

2018 Healthy Michigan Voices Second Follow-Up Survey Report

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Key Longitudinal Results

Changes in employment and/or student status

- The proportion of enrollees who reported being employed/self-employed and/or a student increased from 2016 to 2018 (from 54.5% to 61.4%).

Aim 1: To describe changes over time in health and functional status for HMP enrollees, particularly those with chronic conditions or other indicators of poorer health.

- The proportion of enrollees who reported fair/poor health decreased from 2016 to 2018 (from 30.0% to 25.6%).
- The mean number of days enrollees' physical health was not good in the month prior to survey completion decreased from 2016 to 2018 (from 6.7 to 5.9 days).

Aim 2: To describe perceptions and understanding of Medicaid coverage, HMP policies, and cost-sharing and how these change over time with enrollment.

- The proportion of enrollees* who knew that eyeglasses, routine dental care, and mental health counseling were covered by HMP increased from 2016 to 2018 and the proportion of enrollees who knew that treatment to stop smoking was covered by HMP increased from 2017 to 2018.
- The proportion of enrollees* who knew that some visits, tests, and medicines have no copays decreased slightly from 2016 to 2018 (from 76.7% to 71.6%).
- The proportion of enrollees* who recalled having received a MI Health Account statement increased from 2016 to 2018 (from 73.5% to 80.9%).
- Enrollees* reported receiving a MI Health Account statement were more likely in 2018 than in 2016 to strongly agree or agree that MI Health Account statements led them to change their health care decisions (38.7% vs. 30.6%).

Aim 3: To understand financial and non-financial barriers and facilitators to care and how those change over time of enrollment and disenrollment.

- Among enrollees with HMP/Medicaid at the time of the 2018 survey, the proportion who reported forgone health care due to financial reasons decreased from 2017 to 2018 (from 3.5% to 2.1%).
- Among those who went off HMP/Medicaid for 6+ months, the proportion who reported forgone health care due to financial reasons increased from 2017 to 2018 both for those with other insurance at the time of the 2018 survey (from 5.4% to 9.9%) and for those who were uninsured at the time of the 2018 survey (from 5.4% to 37.2%).
- The proportion of all enrollees who reported forgone dental care due to financial reasons increased from 2017 to 2018 (from 9.8% to 11.8%). Increases were found among some subgroups, particularly among enrollees who were uninsured at the time of the 2018 survey (from 11.5% to 32.3%).

*Among those who stayed on HMP/Medicaid.

The longitudinal results presented here are statistically significant ($p < 0.05$).

Aim 5: To understand HMP enrollees' decisions about when, where and how to seek care, including decisions about emergency department utilization.

- Compared to the 12 months prior to HMP enrollment, enrollees* were, in 2016, 2017, and 2018, less likely to report the emergency room (ER) as their regular source of care and more likely to report having a regular source of care that was a doctor's office or clinic.
- The proportion of enrollees* who reported having a regular source of care that was a doctor's office or clinic decreased slightly from 2016 to 2018 (from 88.0% to 83.0%).
- The proportion of enrollees* who had a claim for at least one preventive dental visit in the past 12 months increased from 2016 to 2018 (from 18.3% to 23.4%).
- The proportion of enrollees who reported an ER visit in the past 12 months or since their HMP coverage ended decreased from 2016 to 2018 (from 37.1% to 30.7%), including among those with a chronic condition (from 43.0% to 35.7%) and those with a mental health condition and/or substance use disorder (from 44.8% to 37.3%).
- The proportion of enrollees* who had a claim for at least one low-complexity ER visit in the last 12 months decreased from 2016 to 2018 (from 3.6% to 1.9%).

*Among those who stayed on HMP/Medicaid.

The longitudinal results presented here are statistically significant ($p < 0.05$).

Executive Summary

The University of Michigan Institute for Healthcare Policy & Innovation (IHPI) is conducting the evaluation of the Healthy Michigan Plan (HMP) as required by the Centers for Medicare & Medicaid Services (CMS) through a contract with the Michigan Department of Health and Human Services (MDHHS). Domain IV of the evaluation includes a series of surveys called *Healthy Michigan Voices (HMV)*. This report presents findings from the 2018 *Healthy Michigan Voices Second Follow-Up Survey*; 2,608 individuals from the HMV longitudinal panel completed this third annual survey.

Methods

Individuals who completed the 2017 HMV Follow-Up Survey and consented to be contacted for follow-up were the target population for the 2018 HMV Second Follow-Up Survey. Out of 3,104 respondents to the 2017 HMV Follow-Up Survey, 3,070 (98.9%) agreed to be re-contacted. The response rate for the 2018 HMV Second Follow-Up Survey (n=2,608) was 89.4% among those who agreed to be re-contacted.

Two survey instruments were developed, one for those who were enrolled and one for those who were not enrolled in HMP at the time of the 2018 survey. Many items on each survey were drawn from established surveys. Items specific to HMP (e.g., items about Health Risk Assessments (HRAs), understanding of HMP, reasons for disenrollment) were developed for, and used in, prior HMV surveys. From June 2018 to January 2019, surveys were conducted by telephone in English, Arabic and Spanish. Responses were recorded using computer-assisted telephone interviewing software.

Descriptive statistics were generated for responses to all questions, with survey weights calculated and applied to adjust for the probability of selection, nonresponse, and other factors. Bivariate and multivariate analyses were also performed. The report text highlights many of the statistically significant findings ($p < 0.05$) from the bivariate and multivariate analyses.

Results

Demographics

- Of the 2018 HMV Second Follow-Up Survey respondents, 74.2% stayed on HMP/Medicaid, 16.0% had been off HMP/Medicaid for 6+ months, and 9.8% churned off and on HMP/Medicaid.
- 15.4% had an income 100-133% FPL and 61.7% had an income 0-35% FPL in the month they completed the 2018 survey or their most recent month of HMP/Medicaid.
- 51.5% of enrollees were women.
- 89.3% of enrollees had at least a high school diploma or equivalent.
- 31.0% of enrollees spent time caring for a person who could not care for themselves due to illness or disability in the past 12 months.

Employment

- 58.5% of enrollees were employed or self-employed.
- 51.0% of enrollees reported working 20 or more hours per week.
- Among employed enrollees, 11.2% reported working for two or more employers at the time of the survey, 72.3% said they would work more hours if their employer would let them, and 29.8% reported that their employer(s) offers health insurance.
- Enrollees who were not employed/self-employed or a full-time student most often reported being unable to work (47.3%) or out of work (40.4%).
- Among enrollees who reported that they were not employed/self-employed, 36.8% were looking for a job and 9.1% had completed or were currently enrolled in training, programs, or courses to increase their chances of getting or keeping a job.

Changes in employment and/or student status

- The proportion of enrollees who reported being employed/self-employed and/or a student increased from 2016 to 2018 (from 54.5% to 61.4%). Increases were found in most subgroups, including enrollees from the W/E Central/E region (from 51.1% to 60.2%), those from the Detroit Metro region (from 55.2% to 61.1%), enrollees with a chronic condition (from 47.8% to 53.8%), and those with a mental health condition and/or substance use disorder (from 48.5% to 56.0%).

Perspectives on the impact of HMP on employment-related outcomes

- 77.3% of enrollees agreed that getting health insurance through HMP helped them do a better job at work.
- 59.4% agreed that having health insurance through HMP has made them better able to look for a job.
- 41.6% agreed that having health insurance through HMP helped them get a better job.

Aim 1: To describe changes over time in health and functional status for HMP enrollees, particularly those with chronic conditions or other indicators of poorer health.

Health status

- The proportion of enrollees who reported fair/poor health decreased from 2016 to 2018 (from 30.0% to 25.6%).
- 36.7% of enrollees reported that their health was excellent or very good; 37.5% reported that their health was good, 19.7% reported that their health was fair, and 6.1% reported that their health was poor.

Number of days physical health not good

- The mean number of days enrollees' physical health was not good in the month prior to survey completion decreased from 2016 to 2018 (from 6.7 to 5.9 days).

Number of days mental health not good

- Enrollees reported an average of 5.7 days in the past 30 days that their mental health was not good. This did not change significantly from 2016 to 2018 except for those in the 51-64 year-old age group (from 6.3 to 4.8 days).

Chronic health conditions

- Across all HMP survey years, 61.7% of enrollees reported ever being told they have a chronic condition and 31.9% reported ever being told they have two or more. Those who stayed on HMP/Medicaid were more likely than those who went off HMP/Medicaid for 6+ months and those who churned off and on HMP/Medicaid to have two or more chronic conditions (35.0% vs. 24.0% and 20.7%, respectively).

Aim 2: To describe perceptions and understanding of Medicaid coverage, HMP policies, and cost-sharing and how these change over time with enrollment.

Knowledge of HMP covered benefits

- The majority of enrollees knew that HMP covers prescription medications (95.2%), dental care (82.6%), eyeglasses (67.7%), and counseling for mental or emotional problems (60.5%). Nearly half knew that HMP covers birth control or family planning (49.7%). Less than half knew that HMP covers substance use treatment (43.2%) and treatment to stop smoking (42.1%).
- Among those who stayed on HMP/Medicaid, the proportion of enrollees who knew that eyeglasses, routine dental care, and mental health counseling were covered by HMP increased from 2016 to 2018 and the proportion of enrollees who knew that treatment to stop smoking was covered by HMP increased from 2017 to 2018.

Knowledge of HMP cost-sharing requirements and healthy behavior rewards

- 40.3% of enrollees were aware that there is a limit or maximum on the amount they might have to pay each year for HMP.
- 29.5% said they knew they could get a reduction in the amount they have to pay if they complete a health risk assessment (HRA), while 59.3% said they did not know.
- Of enrollees who stayed on HMP/Medicaid, there was no statistically significant change from 2016 to 2018 in the proportion of enrollees who said they knew that they could get a reduction in the amount they have to pay if they complete a health risk assessment.
- 32.9% erroneously thought they could be disenrolled from HMP for not paying their bill and 50.2% were unsure.
- Of enrollees who stayed on HMP/Medicaid, there was no statistically significant change from 2016 to 2018 in the proportion who knew they could not be disenrolled from HMP for not paying their bill.
- 70.2% were aware that some kinds of visits, tests, and medicines have no copays.
- Of enrollees who stayed on HMP/Medicaid, the proportion who knew that some visits, tests, and medicines have no copays decreased slightly from 2016 to 2018 (from 76.7% to 71.6%).

Experiences with MI Health Account

- 78.4% of all enrollees reported that they received a MI Health Account statement in the past year.
- Among enrollees who reported receiving a MI Health Account statement in the past year, 87.9% strongly agreed or agreed that they carefully review each statement to see how much they owe, 86.7% strongly agreed or agreed that the statements help them be more

aware of the cost of health care, and 39.0% strongly agreed or agreed that the information in the statement led them to change some of their health care decisions.

- Of enrollees who stayed on HMP/Medicaid, the proportion who recalled having received a MI Health Account statement increased from 2016 to 2018 (from 73.5% to 80.9%).
- Enrollees who stayed on HMP/Medicaid and reported receiving a MI Health Account statement were more likely in 2018 than in 2016 to strongly agree or agree that MI Health Account statements led them to change their health care decisions (38.7% vs. 30.6%).

Perspectives on HMP coverage and cost-sharing

- The majority of enrollees who completed the Enrolled Survey strongly agreed or agreed that the amount they have to pay for HMP overall seems fair (85.8%) and the amount they pay for HMP is affordable (86.5%).
- 49.9% of enrollees strongly agreed or agreed that everyone should have to pay something for their health care.
- Most enrollees strongly agreed or agreed that having HMP has taken a lot of stress off them (93.9%) and that without HMP they would not be able to go to the doctor (90.7%) or the dentist (85.0%).

Aim 3: To understand financial and non-financial barriers and facilitators to care and how those change over time of enrollment and disenrollment.

Forgone health care

- 10.8% of all enrollees reported not getting the health care they needed in the last 12 months or since their HMP coverage ended. Those who had been off HMP/Medicaid for 6+ months compared to those who stayed on HMP/Medicaid were more likely to report forgone health care in the last 12 months or since their HMP coverage ended (20.7% vs. 8.3%).
- Among enrollees with HMP/Medicaid at the time of the 2018 survey, the proportion who reported forgone health care due to financial reasons decreased from 2017 to 2018 (from 3.5% to 2.1%).
- Among those who went off HMP/Medicaid for 6+ months, the proportion who reported forgone health care due to financial reasons increased from 2017 to 2018 both for those with other insurance at the time of the 2018 survey (from 5.4% to 9.9%) and for those who were uninsured at the time of the 2018 survey (from 5.4% to 37.2%).

Forgone dental care

- 20.7% of all enrollees reported not getting the dental care they needed in the last 12 months or since their HMP coverage ended.
- The proportion of all enrollees who reported forgone dental care due to financial reasons increased from 2017 to 2018 (from 9.8% to 11.8%). Increases were found among some subgroups, particularly among enrollees who were uninsured at the time of the 2018 survey (from 11.5% to 32.3%) and those who reported needing help reading written materials (from 7.6% to 14.9%).

Out-of-pocket costs

- In the last 12 months, 57.4% of enrollees spent less than \$50 out-of-pocket for their own medical and dental care, while 42.6% spent more than \$50 out-of-pocket. Those who went off HMP/Medicaid for 6+ months were more likely than those who stayed on HMP/Medicaid or those who churned off and on HMP/Medicaid to report spending more than \$50 out-of-pocket for their own medical and dental care.

Access to care after HMP

- Among those who completed the Not Enrolled Survey, about one in five reported their ability to get primary care (20.4%), specialty care (20.0%), prescriptions (24.3%), dental care (24.1%), and vision care (19.1%) was worse compared to when they had HMP.

Aim 4: To describe HMP enrollees' health behaviors, how they change over time with enrollment and disenrollment in HMP, and barriers and facilitators to improvement in health behaviors.

Health behavior goals

- 51.9% of enrollees said they worked on a health behavior goal during the time they have been on HMP. Among enrollees who worked on a health behavior goal, 13.9% reported meeting their goal, 73.5% reported making progress toward their goal, and 12.5% reported that they had not made progress toward their goal.

Health risk assessment

- 45.5% of enrollees said they discussed the HRA with their doctor or someone at their primary care provider's office in the last year. Among those, 90.5% chose to work on at least one health behavior.
- Among those who stayed on HMP/Medicaid, there was no statistically significant change from 2017 to 2018 in the proportion of enrollees who reported discussing the HRA with their doctor or someone at their primary care provider's office in the last year.

Health behaviors

- From 2016 to 2018, 66.8% of those who stayed on HMP/Medicaid increased exercise frequency or maintained a healthy exercise frequency, 50.0% of those who stayed on HMP/Medicaid decreased sugary drink consumption or maintained no sugary drink consumption, 72.5% of those who stayed on HMP/Medicaid increased or maintained healthy fruit and vegetable consumption, 19.5% of those who stayed on HMP/Medicaid and reported smoking or using tobacco in 2016 or 2017 were no longer smoking or using tobacco in 2018, 64.2% of those who stayed on HMP/Medicaid and reported drug use in 2016 or 2017 did not report drug use in 2018, and 82.5% of those who stayed on HMP/Medicaid and reported binge drinking in 2016 decreased their frequency of binge drinking between 2016 and 2018.

Aim 5: To understand HMP enrollees' decisions about when, where and how to seek care, including decisions about emergency department utilization.

Regular source of care

- 91.5% of enrollees reported having a place they would usually go when they need a checkup, feel sick, or want advice about their health in the last 12 months or since their HMP coverage ended. Those who stayed on HMP/Medicaid were more likely than those who churned off and on or those who went off HMP/Medicaid for 6+ months to report having a regular source of care (93.9% vs. 83.6% and 84.6%, respectively).
- Compared to the 12 months prior to HMP enrollment, enrollees who stayed on HMP/Medicaid were, in 2016, 2017, and 2018, less likely to report the emergency room (ER) as their regular source of care and more likely to report having a regular source of care that was a doctor's office or clinic.
- Of enrollees who stayed on HMP/Medicaid, the proportion who reported having a regular source of care that was a doctor's office or clinic decreased slightly from 2016 to 2018 (from 88.0% to 83.0%).

Primary care utilization

- 84.8% of enrollees who completed the Enrolled Survey and who reported having a primary care provider (PCP) saw their PCP in the past 12 months.
- Among those who reported not seeing their PCP in the past 12 months, the most common reason was that they were healthy and did not need to see a provider (48.5%).
- Among those who stayed on HMP/Medicaid, there was no statistically significant change from 2016 to 2018 in the proportion of enrollees who reported seeing their PCP in the past 12 months; the overall percent who reported seeing their PCP remained high.

Dental care utilization

- The proportion of enrollees who stayed on HMP/Medicaid who had a claim for at least one preventive dental visit in the past 12 months increased from 2016 to 2017 (from 18.3% to 30.8%) and from 2016 to 2018 (from 18.3% to 23.4%).

Self-reported emergency room use

- 30.7% of enrollees reported going to the ER for care in the past 12 months or since their HMP coverage ended.
- The proportion of enrollees who reported an ER visit in the past 12 months or since their HMP coverage ended decreased from 2016 to 2018 (from 37.1% to 30.7%). Decreases were found in most subgroups, including those with a chronic condition (from 43.0% to 35.7%) and those with a mental health condition and/or substance use disorder (from 44.8% to 37.3%).
- Among enrollees who reported an ER visit, 21.4% tried to contact their usual provider's office before going to the ER.
- In multivariate analysis, enrollees who reported having a regular source of care that was a doctor's office or clinic were more likely than those who did not (aOR=3.03) to report trying to contact their PCP before going to the ER across all survey years.

Emergency room utilization

- Among those who stayed on HMP/Medicaid, the proportion of enrollees who had a claim for at least one low-complexity ER visit in the last 12 months decreased from 2016 to 2018 (from 3.6% to 1.9%).

Engagement in consumer behaviors

- In the past 12 months, 27.9% of enrollees reported that they had checked how much they would have to pay for a doctor's visit, medication, or other health service before they received care, 19.4% reported talking with a health care provider about how much health care services would cost them out-of-pocket, 22.7% reported asking a provider to recommend a less costly prescription drug, and 14.4% reported comparing quality ratings for health care services at different places.
- Among those who stayed on HMP/Medicaid, there was no statistically significant change from 2017 to 2018 in the proportion of enrollees who reported checking how much they would have to pay for a doctor's visit, medication, or other health service before they received care in the past 12 months, comparing quality ratings for health care services at different places in the past 12 months, or who reported asking a provider to recommend a less costly prescription drug in the past 12 months.

Aim 6: To understand why enrollees lose or drop HMP coverage and what, if any, source of health insurance coverage they subsequently obtain.

Reasons for disenrollment

- Among enrollees who completed the Not Enrolled Survey and whose HMP/Medicaid coverage ended since the 2017 survey, the most common reasons why their coverage ended were an income increase (35.2%) and getting other coverage (26.7%).

Insurance status

- In 2018, nearly half of enrollees who went off HMP/Medicaid for 6+ months (45.1%) had employer-sponsored insurance, 14.2% had other insurance, and 28.4% were uninsured.
- 58.9% of enrollees who went off HMP/Medicaid for 6+ months and 42.8% of enrollees who churned off and on HMP/Medicaid had a period of uninsurance in 2017 or 2018.

Cost of insurance since HMP coverage ended

- Among enrollees who completed the Not Enrolled Survey, nearly half reported that the amount they currently pay for their health care in a typical month is a little (14.5%) or a lot (33.4%) more than what they were paying with their HMP coverage.

Problems paying medical bills since HMP coverage ended

- 26.0% of enrollees who completed the Not Enrolled Survey reported having problems paying medical bills since their HMP coverage ended or in the past 12 months.
- Among those who reported having problems paying medical bills, 73.1% said their problems paying medical bills have gotten worse since their HMP coverage ended.

Worry since HMP coverage ended

- Among enrollees who completed the Not Enrolled Survey whose HMP coverage ended since the 2017 survey, nearly half (45.5%) strongly agreed or agreed that they worry more about something bad happening to their health since their HMP coverage ended.

Conclusions and Recommendations

Our findings show that HMP continues to contribute to improvements in health and well-being, including employment. There were improvements in several markers of health for enrollees between 2016 and 2018, particularly among those who stayed on HMP/Medicaid, those with chronic conditions, those in the older age groups, and those with a mental health condition or substance use disorder. Employment and/or student status increased between 2016 and 2018, confirming findings from 2017 about this area of positive impact of HMP. Increases were found in subgroups with lower rates of employment and/or student status, including enrollees with a chronic condition and those with a mental health condition and/or substance use disorder. The use of primary care remained high. The proportion of enrollees who stayed on HMP/Medicaid with one or more low-complexity ER visits decreased from 2016 to 2018, which may reflect both increased access to primary care and a shift in care-seeking behavior away from the ER to primary care.

MDHHS should continue its emphasis on primary care and prevention. These features of HMP seem to be contributing to improvements in health and employment and could have a long-term impact on individuals, families, communities, and the state.

Enrollees generally had a good overall understanding of HMP's covered benefits, although more than half of enrollees continue to be unaware that HMP provides coverage for smoking cessation and substance use disorder treatment. Understanding of the healthy behavior rewards associated with HRA completion and payment requirements remained low among enrollees, but knowledge about waived copayments remained high.

MDHHS should continue to educate HMP enrollees about covered benefits, particularly coverage for smoking cessation and treatment for substance use disorders. MDHHS should consider modifying communications around incentives/requirements for health risk assessments and healthy behaviors, and sending reminders about important program features to enrollees, such as information about some visits, tests, and medicines having no copays.

A majority of respondents who went off HMP/Medicaid experienced periods of uninsurance. The impact of the lack of post-HMP insurance coverage is demonstrated by increased rates of forgone care due to financial reasons, higher out-of-pocket costs, and more worries about something bad happening to their health for respondents who were not enrolled in HMP/Medicaid at the time of the 2018 survey.

MDHHS should communicate potential options for health insurance coverage after HMP/Medicaid enrollment ends to enrollees. Even among those who are employed, employer-sponsored insurance may be unavailable or unaffordable. Finding other coverage after HMP enrollment ends is especially important for those who need long-term treatment for chronic conditions, for whom an exacerbation of their illness could threaten their health and employment.

Introduction

The University of Michigan Institute for Healthcare Policy & Innovation (IHPI) is conducting the evaluation of the Healthy Michigan Plan (HMP) as required by the Centers for Medicare & Medicaid Services (CMS) through a contract with the Michigan Department of Health and Human Services (MDHHS). Domain IV of the evaluation includes a series of surveys called *Healthy Michigan Voices (HMV)*. This report presents findings from the 2018 *Healthy Michigan Voices Second Follow-Up Survey*; 2,608 individuals from the HMV longitudinal panel completed this third annual survey.

Methods

Survey design

Two survey instruments were developed, one for those who were enrolled and one for those who were not enrolled in HMP at the time of the survey. Those who were enrolled in HMP at the time of the survey completed the Enrolled Survey, while all others completed the Not Enrolled Survey. Each survey included established measures of demographics, health, access to care, and insurance status drawn from national surveys, including the National Health and Nutrition Exam Survey (NHANES),* the Health Tracking Household Survey (HTHS),† the National Health Interview Survey (NHIS),‡ the Behavioral Risk Factor Surveillance System (BRFSS§ and MiBRFSS**), the Short Form Health Survey (SF-12),†† the Food Attitudes and Behaviors Survey,‡‡ the Consumer Assessment of Healthcare Providers and Systems (CAHPS),§§ the Employee Benefit Research Institute Consumer Engagement in Healthcare Survey (CEHCS),*** the Commonwealth Fund Health Care Quality Survey,††† and the U.S. Census. Items specific to HMP (e.g., items about Health Risk Assessments (HRAs), understanding of HMP, reasons for disenrollment) were developed for, and used in, prior HMV surveys.‡‡‡, §§§, ****

Survey administration

Individuals who completed the 2017 HMV Follow-Up Survey and consented to be re-contacted were the target population for the 2018 HMV Second Follow-Up Survey. Approximately one

* [NHANES \(National Health and Nutrition Exam Survey, CDC\)](#)

† [HTHS \(Health Tracking Household Survey\)](#)

‡ [NHIS \(National Health Interview Survey, CDC\)](#)

§ [BRFSS \(Behavioral Risk Factor Surveillance System, CDC\)](#)

** [MiBRFSS \(Michigan Behavioral Risk Factor Surveillance System, MDHHS\)](#)

†† [SF-12 \(Short Form Health Survey, RAND\)](#)

‡‡ [FAB \(Food Attitudes and Behaviors Survey, NCI\)](#)

§§ [CAHPS \(Consumer Assessment of Healthcare Providers and Systems\)](#)

*** [Consumer Engagement in Health Care Survey \(EBRI: CEHCS\)](#)

††† [Commonwealth Fund Health Care Quality Survey](#)

‡‡‡ [2016 Healthy Michigan Voices Enrollee Survey Report](#)

§§§ [2017 Healthy Michigan Voices New Enrollee Survey Report](#)

**** [2017 Healthy Michigan Voices Follow-Up Survey Report](#)

year (average of 13 months; ranging from 12-15 months) after completion of the 2017 HMO Follow-Up Survey, introductory packets were mailed to respondents at the address given during the 2017 survey. The introductory packet contained a letter explaining the second follow-up survey, a brochure about the project, and a postage-paid postcard that could be used to indicate a preferred time/day for interview or refusal to participate. The letter also provided a toll-free number and email address for enrollees who wished to indicate a preferred time/day for interview or refusal to participate. For introductory packets returned as undeliverable, the MDHHS Data Warehouse was queried for updated address information.

Approximately five business days after introductory packets were mailed, email and/or text messages were sent to respondents who indicated on their 2017 HMO Follow-Up Survey that they preferred these contact methods; the emails and text messages restated key information from the introductory letter. For those who did not refuse using postcards, email or text response, *Healthy Michigan Voices* interviewers placed phone calls to respondents' preferred phone number between the hours of 9 AM and 9 PM. Surveys were conducted in English, Arabic and Spanish. Responses were recorded using computer-assisted telephone interviewing software.

Prior to mailing, the MDHHS Data Warehouse was queried to identify any respondents who were documented as deceased or in a non-community setting. In addition, Medicaid enrollment files were queried to identify the enrollment status of each individual, categorized as enrolled in HMO, enrolled in another type of Medicaid coverage, or not enrolled; this information was used to predict which survey instrument (Enrolled or Not Enrolled) would be administered.

At the outset of the survey, enrollees were informed that their individual responses would be kept confidential; only aggregate data would be reported. They were also informed that completing the survey was voluntary, that they could skip questions if they wished, and that they would receive a \$25 gift card to compensate them for their time and phone minutes devoted to completing the survey. Finally, enrollees either confirmed their enrollment status from the Data Warehouse or provided updated health insurance coverage information; for the 45 individuals who provided updated information, the version of the survey instrument was changed to match the enrollment status reported by the enrollee.

The median duration of time to complete the survey was 17 minutes, with a range from 9 to 93 minutes.

Survey population and inclusion criteria

The 2018 HMO Second Follow-Up Survey was administered to those who agreed to be followed up in the 2017 HMO Follow-Up Survey. Out of 3,104 respondents in 2017, 34 (1.1%) did not consent to be re-contacted for the follow-up survey. This low refusal rate is unlikely to bias estimations.

Sampling plan

Those who consented in 2017 to be re-contacted were included in the eligible population for the 2018 HMV Second Follow-Up Survey. The breakdown of region and income level is similar to the original HMV sampling plan.

Survey response characteristics

The results of the 2018 HMV Second Follow-Up Survey call attempts to the 3,070 consenters are shown in Table 2. For various reasons, not everyone who consented in 2017 to be re-contacted ultimately participated in the 2018 HMV Second Follow-Up Survey. In some cases there was attempted contact but no response, and some 2017 respondents were no longer considered eligible to participate.

Table 2. 2018 HMV Second Follow-Up Survey call results

Call Results	N	(%)
Response	2,608	84.0%
Nonresponse	310	10.0%
Partial complete	1	0.0%
Refusal	63	2.0%
Noncontact/Other NR	246	7.9%
Ineligible	77	2.5%
Deceased	28	0.9%
Non-community setting (e.g., incarcerated, nursing home)	9	0.3%
Not the correct number	40	1.3%
Non-working number	54	1.7%
Unknown eligibility	21	0.7%
Did not consent in 2017 to follow-up contact	34	1.1%
Total	3,104	100.0%

The 2018 HMV Second Follow-Up Survey response rate was 89.4% as 2,608 of 2,918 eligible enrollees completed the survey. This is considered a very high response rate for surveys of this nature.*

We compared respondents and nonrespondents of the 2018 HMV Second Follow-Up Survey in Table 3 using weighted analysis as described in Appendix D. Older HMV respondents (ages 50-64 years old) were more likely to respond than younger HMV respondents. Non-Hispanic White respondents were less likely to respond than those of other race/ethnicity.

* Holt, C. L., Le, D., Calvanelli, J., Huang, J., Clark, E. M., Roth, D. L., Williams, B., & Schulz, E. (2015). Participant retention in a longitudinal national telephone survey of African American men and women. *Ethnicity & Disease, 25*(2), 187-192.

Table 3. Comparison of characteristics of 2018 HMV Second Follow-Up Survey respondents and nonrespondents using frame data, weighted

Characteristics	Respondents N=2,608 (%)	Nonrespondents N=310 (%)	<i>p</i> value
Age			
19-35	41.7%	47.7%	0.011
36-49	29.2%	33.0%	
50-64	29.1%	19.2%	
Gender			
Male	47.1%	50.4%	0.362
Female	52.9%	49.6%	
Race/Ethnicity			
Non-Hispanic White	60.0%	67.5%	0.042
Other	40.0%	32.5%	
Income (% FPL)			
0-35% FPL	52.4%	47.6%	0.384
36-99% FPL	28.2%	30.4%	
100-133% FPL	19.4%	22.0%	
Prosperity Region			
Northern Michigan	9.1%	8.1%	0.715
Central Michigan	28.2%	31.1%	
Southern Michigan	18.4%	19.2%	
Detroit Metro	44.3%	41.6%	

Weighting adjustment

Weights were calculated to adjust for the probability of selection (see Base Selection Weight), nonresponse bias (see Nonresponse adjustment) and other adjustments (Nonworking Number adjustment, Unknown Eligibility adjustment, Known Eligibility adjustment) (see Appendix D for details).

Analyses

We generated descriptive statistics for responses to all questions in the survey, and present the weighted percentages with 95% confidence intervals (CIs) in Appendix A. Weights were applied to the data to adjust for the probability of selection, nonresponse bias, and other factors (see Appendix D for details). The proportions included in this report reflect how the results we observed would apply to the eligible population of HMP enrollees as described in the 2016 HMV Enrollee Survey Report.* The number of individuals who responded to each survey question is noted in the tables in Appendix A. “Don’t know” responses were treated as missing data if they accounted for less than 2% of the total responses to that question. Respondents who

* [2016 Healthy Michigan Voices Enrollee Survey Report](#)

answered “not applicable” to survey questions were excluded from bivariate and multivariate analyses.

Additional characteristics were drawn from the state Data Warehouse for inclusion in bivariate and multivariate analyses:

- *Demographic characteristics* were drawn from Medicaid enrollment files at the time of the original sampling for the 2016 HMV survey, and included age, gender, income level (% of FPL), and region. An updated income variable reflected either the month of completion of the HMV Second Follow-Up Survey, or the respondent’s most recent month of HMP/Medicaid enrollment if they were not enrolled at the time of the survey.
- *Claims-based utilization variables* were generated from Medicaid administrative claims, extracted in July 2019, and cover four 12-month periods corresponding to the year before the 2017 and 2018 surveys and the two years prior to sampling for the 2016 HMV survey (see Appendix C). Some summary variables were generated for each time period, such as counts of emergency department visits and receipt of dental care.
- *Evidence of mental health condition or substance use disorder* was derived from Medicaid administrative claims for the 24 months prior to the original sampling for the 2016 HMV survey and for 24 months after. Claims data were processed to identify, for each time period, whether the respondent had ≥ 1 Medicaid claim with a diagnosis code reflecting a mental health condition or substance use disorder. Receipt of a mental health treatment or other service was not required for this variable.
- *Health Risk Assessment (HRA) completion data* were drawn from the HRA table in the Data Warehouse. Data were processed to generate a hierarchical variable identifying respondents who had, at any time during the four 12-month periods, ≥ 1 HRA with a physician attestation, ≥ 1 HRA with no physician attestation, or no HRA.
- *Continuity of HMP/Medicaid enrollment* was derived from each respondent’s monthly Medicaid enrollment status. Monthly enrollment data were summarized to reflect the continuity of HMP/Medicaid enrollment from the respondent’s initial month of HMP enrollment to the month of completion of the 2018 Second Follow-up Survey. Respondents who had continuous HMP/Medicaid enrollment, brief gaps (1-2 months), or up to a 5 month gap prior to the survey were categorized as “stayed on”; those with no HMP/Medicaid enrollment for 3+ consecutive months but who subsequently re-enrolled in HMP/Medicaid were categorized as “churned off/on”; and those who had been disenrolled from HMP/Medicaid for 6+ months at the time of the 2018 survey were categorized as “off for 6+ months”. *Note: In general, we use the term “enrollee” to represent the overall survey population of individuals who were enrolled in HMP at the time of initial HMV participation – regardless of their subsequent enrollment patterns.*

All survey questions and their bivariate associations are presented in Appendix A. Additional analyses were conducted to examine change over time by comparing 2016 to 2017 responses and 2016 to 2018 responses, and to test for relationships or differences between selected variables and groups of interest, including analyses using claims data (see Appendix B). *Note: Longitudinal analyses in Appendix B excluded those who had only partially completed the 2016 HMV survey (n=6) and therefore the 2018 estimates reported in Appendix B may be slightly different from those reported in Appendix A.* For all analyses of bivariate and multivariate relationships, the types of analysis, models, and specific tests are described in the table footnotes. Appendix C

provides definitions for all variables derived from Medicaid claims, as well as definitions for composite variables based on survey responses.

Results

This section includes key findings from descriptive and multivariate analyses. Additional results are reported in Appendix A and Appendix B. The report text highlights many of the statistically significant findings ($p < 0.05$) from the bivariate and multivariate analyses. Specific p-values for bivariate and multivariate analyses can be found in Appendix A and Appendix B.

Enrollee characteristics

HMP/Medicaid enrollment pattern

Among those who participated in the 2018 HMV Second Follow-Up Survey, 1,622 respondents completed the Enrolled Survey and 986 completed the Not Enrolled Survey. The table below compares the survey version with the HMP/Medicaid enrollment pattern variable. The survey version was based specifically on HMP enrollment whereas the HMP/Medicaid enrollment pattern variable included enrollment in all Medicaid benefit plans (not just HMP). As a result, a relatively large number of respondents (513) who completed the Not Enrolled Survey were classified as having “stayed on” HMP/Medicaid enrollment.

	HMP/Medicaid Enrollment Pattern			Total
	Stayed on	Churned off/on	Off for 6+ months	
2018 HMV Second Follow-Up Survey				
Enrolled Survey	1,494	125	3	1,622
Not Enrolled Survey	513	78	395	986
Total	2,007	203	398	2,608

Demographics

Of the 2018 HMV Second Follow-Up Survey respondents, 74.2% stayed on HMP/Medicaid, 16.0% had been off HMP/Medicaid for 6+ months, and 9.8% churned off and on HMP/Medicaid (Appendix A Table 0.1).

About one in six enrollees (15.4%) had an income 100-133% FPL in the month they completed the 2018 survey or their most recent month of HMP/Medicaid enrollment, while more than half (61.7%) had an income between 0-35% FPL (Appendix A Table 0.1). Just over half of enrollees (51.5%) were women (Appendix A Table 0.1). Few enrollees (4.1%) had lived four or more places in the past 3 years and 5.6% had been homeless in the last 12 months; 8.6% experienced housing instability (living four or more places in the past 3 years or experiencing homelessness in the last 12 months) (Appendix A Table 0.1). The majority of enrollees (89.3%) had at least a high school diploma or equivalent (Appendix A Table 0.1).

Many respondents **stayed on HMP/Medicaid** from their initial HMP enrollment until the 2018 survey.



Nearly one in three enrollees (31.0%) spent time caring for a person who could not care for themselves due to illness or disability in the past 12 months (Appendix A Table 0.10). This was more likely for women than men (34.3% vs. 27.4%) (Appendix A Table 0.10).

About one in ten enrollees (9.3%) were students (Appendix A Table 0.7). Among enrollees who were in school, 57.7% reported being a full-time student (Appendix A Table 0.7.1).

Employment

Over half of enrollees (58.5%) were employed or self-employed (Appendix A Table 0.8). Enrollees with a chronic condition were less likely than those without (51.6% vs. 69.6%), those with a mental health condition and/or substance use disorder were less likely than those without (52.8% vs. 68.2%), and those age 51-64 were less likely than younger age groups to be employed (40.2% vs. 58.3% for those age 35-50 and 70.6% for those age 19-34) (Appendix A Table 0.8). Those who went off HMP/Medicaid for 6+ months were more likely than those who stayed on HMP/Medicaid or those who churned off and on HMP/Medicaid to be employed (84.3% vs. 52.3% and 63.1%, respectively) (Appendix A Table 0.8).

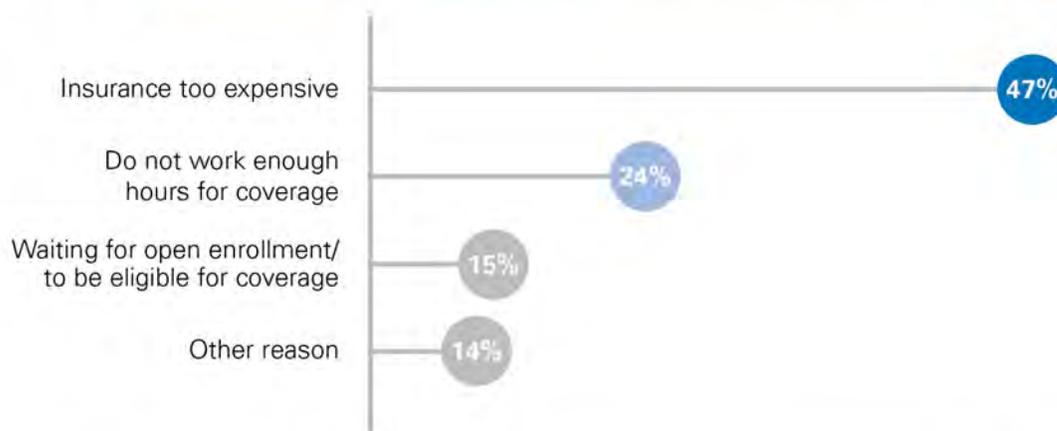


About one in ten employed enrollees (11.2%) reported working for two or more employers at the time of the survey (Appendix A Table 0.8.1). Employed enrollees reported working an average of 34.7 hours per week on all paid jobs (Appendix A Table 0.8.2). The majority of employed enrollees (88.1%) reported working 20 or more hours per week (Appendix A Table 0.8.2). Those who went off HMP/Medicaid for 6+ months reported working a greater number of hours per week compared to those who stayed on HMP/Medicaid or those who churned off and on HMP/Medicaid (Appendix A Table 0.8.2). Half of employed enrollees (51.6%) described the number of hours they worked in the past 12 months as pretty consistent throughout the year, 25.3% said they change from week to week, and 23.1% said they change by season (Appendix A Table 0.8.4). Nearly three in four employed enrollees (72.3%) said they would

work more hours if their employer would let them (Appendix A Table 0.8.5). Among employed enrollees who said they would not work more hours if their employer would let them, the most commonly reported reasons* were that they did not want to work additional hours (35.5%) or were already working full-time (32.4%) (Appendix A Table 0.8.6.1).

Less than one in three employed enrollees (29.8%) reported that their employer(s) offers health insurance (Appendix A Table 0.8.3). Employed enrollees age 19-34 were more likely than those age 35-50 or age 51-64 (37.8% vs. 23.9% and 22.1%, respectively) to report that their employer(s) offers health insurance (Appendix A Table 0.8.3). Among employed enrollees who reported that their employer(s) offers health insurance, 47.2% said the reason* they do not have insurance through their job is because it is too expensive, 24.1% said they do not work enough hours to be eligible for coverage, and 15.1% said they were waiting for open enrollment or to be eligible for coverage (Appendix A Table 0.8.3.1).

In 2018, enrollees most commonly reported that they did not have health insurance through their job because it was **too expensive** or they **did not work enough hours to be eligible for coverage**.



Notes: Only asked of respondents who completed the Enrolled Survey in 2018, who were employed/self-employed, and whose employer offered health insurance. Respondents were able to provide multiple responses.

About one in four employed enrollees (23.8%) reported changing jobs in the last 12 months (Appendix A Table 0.8.7). Those age 19-34 were more likely than older age groups, and those who churned off and on HMP/Medicaid were more likely than those who stayed on HMP/Medicaid or those who went off HMP/Medicaid for 6+ months, to report changing jobs in the last 12 months (Appendix A Table 0.8.7). Employed enrollees reported being out of work for an average of 4.1 weeks in the past 12 months (Appendix A Table 0.8.8). More than half of employed enrollees (55.7%) reported being out of work for 0 weeks in the past 12 months (Appendix A Table 0.8.8).

One in three employed enrollees (32.1%), reported that they were looking for a different job (Appendix A Table 0.8.10). Men were more likely than women (37.5% vs. 27.0%), enrollees who were Black were more likely than enrollees who were White (46.2% vs. 24.6%), and enrollees

*Respondents were able to provide multiple responses to the survey question.

from the Detroit Metro region were more likely than those from other regions to report job seeking (Appendix A Table 0.8.10).

Employed enrollees reported experiencing problems related to transportation that caused them to be late or miss days at work or school an average of 0.9 days in the past 30 days; 8.1% reported experiencing problems on 3 or more days (Appendix A Table 0.8.9).

Enrollees who reported that they were not employed/self-employed experienced problems related to transportation that would affect their ability to get or keep a job on an average of 7.3 days in the past 30 days; one in four (24.0%) reported experiencing problems on 15 or more days in the last 30 days (Appendix A Table 0.9.10).

Enrollees who were not employed/self-employed or a full-time student most often reported being unable to work (47.3%) or out of work (40.4%); fewer reported being retired (12.3%) (Appendix A Table 0.9). Those age 51-64 were less likely than younger age groups to report being out of work and more likely to report being retired (Appendix A Table 0.9). Those who churned off and on HMP/Medicaid were more likely than those who stayed on HMP/Medicaid to report being out of work (59.5% vs. 38.8%) (Appendix A Table 0.9). Those with a chronic condition were more likely than those without to report being unable to work (51.9% vs. 34.5%) (Appendix A Table 0.9). Those with a mental health condition and/or substance use disorder were more likely than those without to report being unable to work (55.7% vs. 25.0%) (Appendix A Table 0.9).

Among enrollees who reported being retired, 82.3% had been retired for one year or more (Appendix A Table 0.9.1). The most commonly reported reasons* for being retired were poor health or disability (48.7%) and ability to retire (e.g. age, finances, just chose to retire) (40.0%) (Appendix A Table 0.9.2).

Among enrollees who reported being unable to work, 90.5% had been unable to work for one year or more (Appendix A Table 0.9.3). Most who reported being unable to work said that was due* to poor health or disability (91.4%) (Appendix A Table 0.9.4).

Among enrollees who reported being out of work, 60.6% had been out of work for one year or more (Appendix A Table 0.9.5). The most commonly reported reasons* for being out of work were not being able to find work (35.1%), poor health or disability (24.1%), and caregiving responsibilities (21.5%) (Appendix A Table 0.9.7). Among those who were out of work due to caregiving responsibilities, 64.9% said those caregiving responsibilities were for their child/children and 30.1% said they were for another family member (Appendix A Table 0.9.7.1).

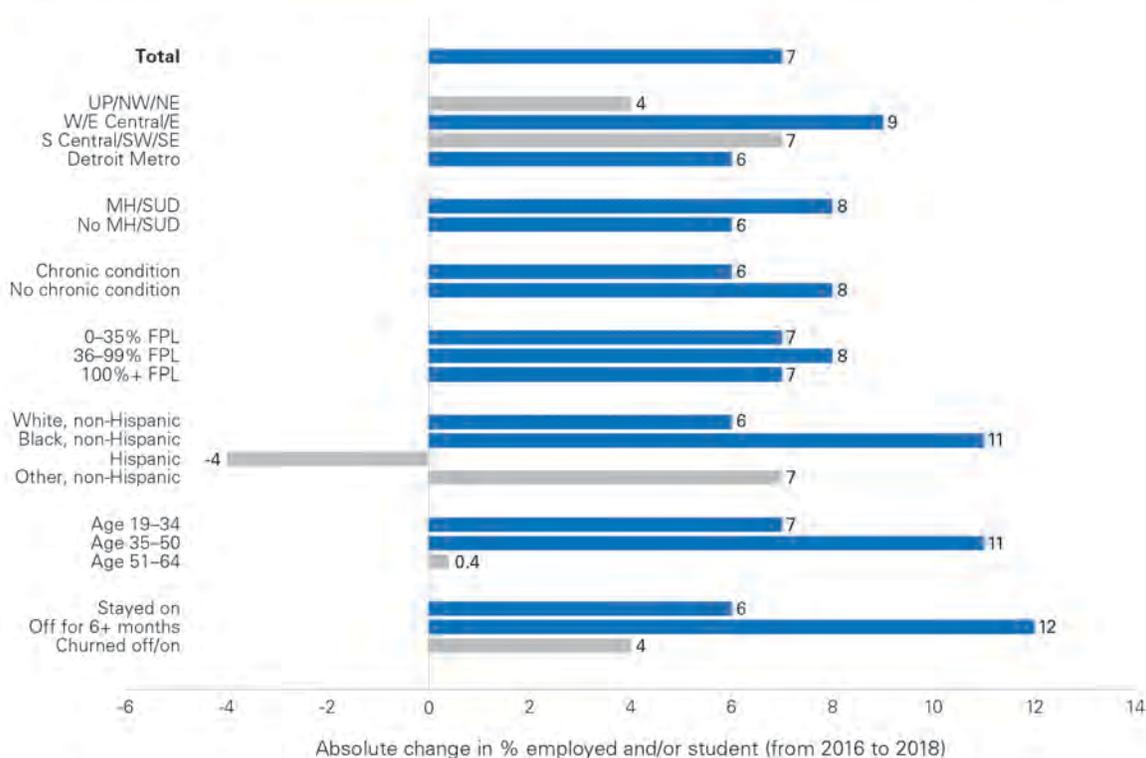
Among enrollees who reported that they were not employed/self-employed, 36.8% were looking for a job and 9.1% had completed or were currently enrolled in training, programs, or courses to increase their chances of getting or keeping a job (Appendix A Tables 0.9.8, 0.9.9).

*Respondents were able to provide multiple responses to the survey question.

Changes in employment and/or student status

The proportion of enrollees who reported being employed/self-employed and/or a student increased from 2016 to 2018 (from 54.5% to 61.4%) (Appendix B Table 0.2.1). Increases were found in most subgroups, including enrollees from the W/E Central/E region (from 51.1% to 60.2%), those from the Detroit Metro region (from 55.2% to 61.1%), enrollees with a chronic condition (from 47.8% to 53.8%), and those with a mental health condition and/or substance use disorder (from 48.5% to 56.0%) (Appendix B Table 0.2.1). Increases were found among both enrollees who stayed on HMP/Medicaid (from 49.4% to 55.7%) and who went off HMP/Medicaid for 6+ months (from 74.0% to 85.6%) (Appendix B Table 0.2.1). Enrollees age 51-64 had no statistically significant change from 2016 to 2018 in the proportion who reported being employed/self-employed and/or a student (Appendix B Table 0.2.1).

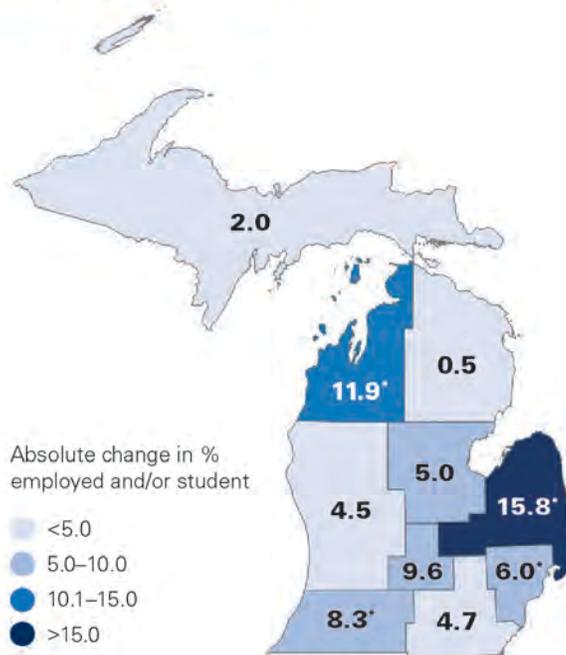
A greater percentage of enrollees were employed and/or a student in 2018 compared to 2016 and this was true for almost all subgroups of enrollees.



Note: Blue color indicates statistically significant change over time.

The proportion of enrollees who were employed/self-employed and/or a student increased from 2016 to 2018 in the following State of Michigan Prosperity Regions: Detroit Metro Prosperity Region (from 55.2% to 61.2%), East Michigan Prosperity Region (from 49.7% to 65.5%), Northwest Prosperity Region (from 49.9% to 61.8%), and Southwest Prosperity Region (from 52.3% to 60.6%) (Appendix B Table 0.2.3).

The change from 2016 to 2018 in the proportion of enrollees who were **employed and/or a student** varied by prosperity region.



*Indicates statistically significant change over time

Use of HMP to avoid insurance gaps

The majority of enrollees agreed that HMP gave them insurance when they could not get insurance through their job (89.6%) and that having HMP helped them stay insured between jobs or between school and a job (89.2%) (Appendix A Tables 0.11, 0.12).

Perspectives on the impact of HMP on employment-related outcomes

The majority of enrollees agreed that getting health insurance through HMP helped them do a better job at work (77.3%) and that having health insurance through HMP has made them better able to look for a job (59.4%) (Appendix A Tables 0.13, 0.15). Two in five of enrollees (41.6%) agreed that having health insurance through HMP helped them get a better job (Appendix A Table 0.14).

In 2018, enrollees reported that HMP had a **positive impact on their employment and job seeking ability**.



Caregiving and employment

Enrollees who were caregivers for a person who could not care for themselves due to illness or disability (31.0%) reported the following experiences as a result of their caregiving responsibilities (Appendix A Table 0.10):

- 27.5% went from working full-time to part-time or cut back their hours (Appendix A Table 0.10.1).
- 9.0% received a warning about their performance or attendance at work (Appendix A Table 0.10.2).
- 6.1% lost their job benefits (Appendix A Table 0.10.3).
- 8.8% took a leave of absence from work (Appendix A Table 0.10.4); this was more likely for women.
- 16.8% gave up working entirely (Appendix A Table 0.10.5).

Enrollees who were caregivers reported missing an average of 11.8 days of work in the past 12 months because they were caring for a person who could not care for themselves (Appendix A Table 0.10.6). Most (63.6%) reported 0 days of missed work due to caregiving, 23.3% reported 1-11 days, and 13.2% reported 12 or more days (Appendix A Table 0.10.6).

Aim 1: To describe changes over time in health and functional status for HMP enrollees, particularly those with chronic conditions or other indicators of poorer health.

Health status

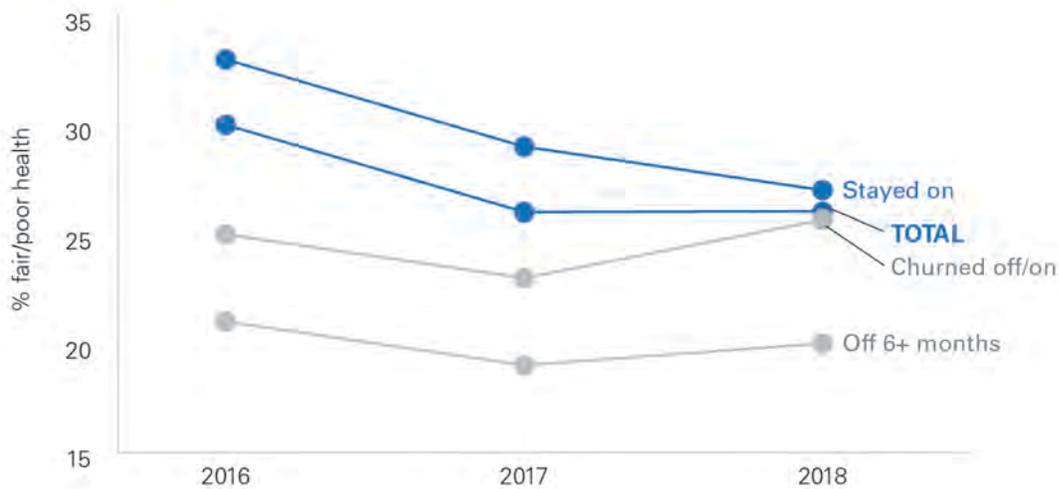
More than one in three enrollees (36.7%) reported that their health was excellent or very good; 37.5% reported that their health was good, 19.7% reported that their health was fair, and 6.1% reported that their health was poor (Appendix A Table 1.1).

The proportion of enrollees who reported fair/poor health decreased from 2016 to 2018 (from 30.0% to 25.6%) (Appendix B Table 1.2.1). Decreases were found in many subgroups, including

enrollees who stayed on HMP/Medicaid (from 32.6% to 26.8%), who were Black (from 32.7% to 24.7%), who were Hispanic (from 30.0% to 17.6%), who were from the Detroit Metro region (from 30.7% to 23.9%), with a chronic condition (from 40.3% to 34.2%), and with a mental health condition and/or substance use disorder (from 38.4% to 33.1%) (Appendix B Table 1.2.1).

Decreases in the proportion reporting fair/poor health were found among both those who were employed (from 20.7% to 16.6%) and those not employed (from 43.0% to 38.4%) at the time of the 2018 survey (Appendix B Table 1.2.1).

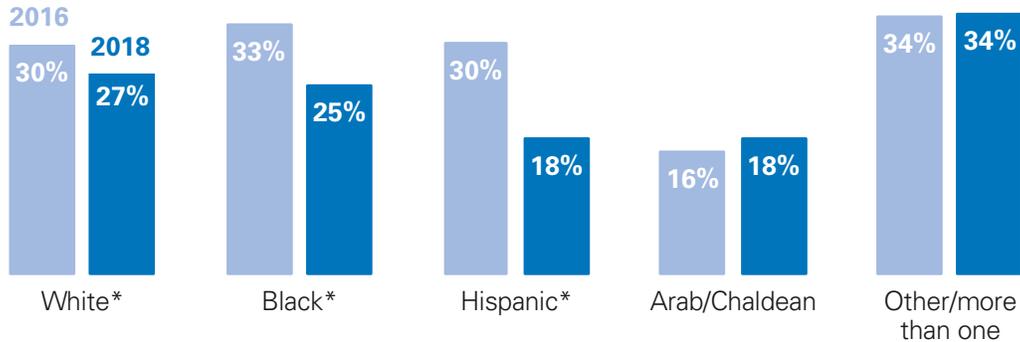
Fewer enrollees reported fair or poor health in 2018 compared to 2016. Based on enrollment pattern, the **largest improvement in health was among those who stayed on HMP/Medicaid**.



Note: Blue color indicates statistically significant change over time.

In contrast to most other racial/ethnic subgroups, the proportion of enrollees of Arab/Chaldean descent reporting fair/poor health did not change from 2016 to 2018; however, this may be due to the lower baseline (2016) rate of fair/poor health in this group (Appendix B Table 1.2.1).

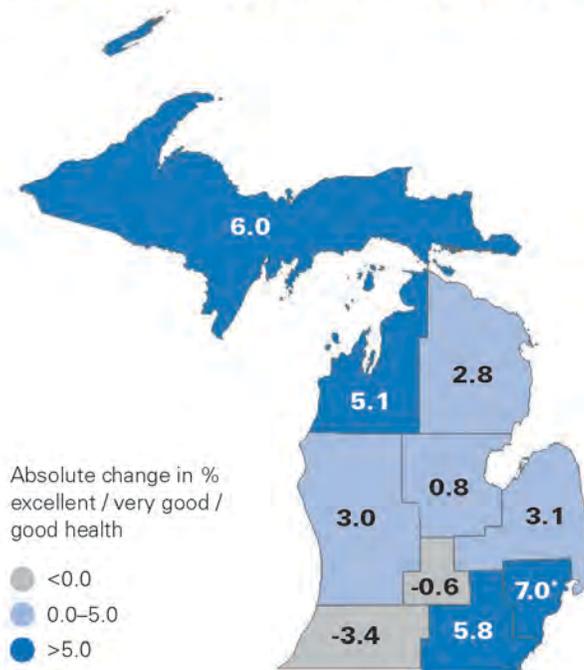
Across most racial/ethnic subgroups, fewer enrollees reported fair/poor health in 2018 compared to 2016.



*Indicates statistically significant change over time.

Improvements in health varied by prosperity region. The proportion of enrollees who reported excellent/very good/good health increased from 2016 to 2018 in the Detroit Metro Prosperity Region (from 69.1% to 76.1%); there was no statistically significant change from 2016 to 2018 in all other prosperity regions (Appendix B Table 1.2.3).

The change from 2016 to 2018 in the proportion of enrollees who reported **excellent/very good/good health status varied by prosperity region.**



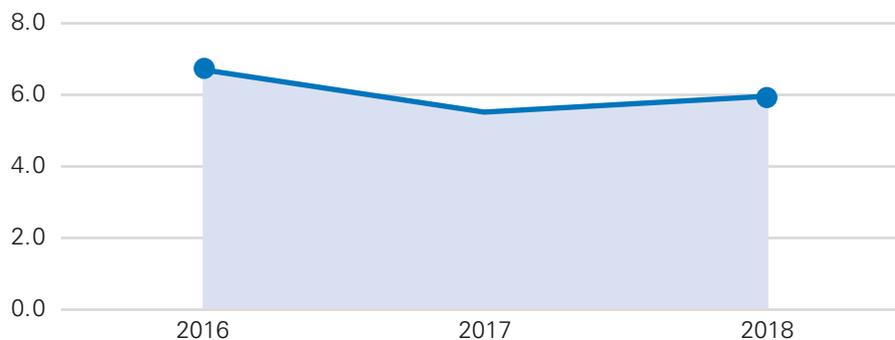
*Indicates statistically significant change over time

Number of days physical health not good

Enrollees reported an average of 5.9 days in the past 30 days that their physical health was not good; 17.8% of enrollees reported 15 or more days (Appendix A Table 1.2). The mean number of days in the past 30 days that physical health was not good was greater for those with a chronic condition compared to those without (7.4 vs. 3.4 days) and for enrollees with a mental health condition and/or substance abuse disorder compared to those without (7.7 vs. 2.7 days) (Appendix A Table 1.2).

The mean number of days enrollees' physical health was not good in the month prior to survey completion decreased from 2016 to 2018 (from 6.7 to 5.9 days) (Appendix B Table 1.3.1). Decreases were found in many subgroups, including enrollees who stayed on HMP/Medicaid (from 7.4 to 6.5 days), who were age 51-64 (from 9.0 to 7.5 days), with a chronic condition (from 8.4 to 7.5 days), and with a mental health condition and/or substance use disorder (from 8.7 to 7.7 days) (Appendix B Table 1.3.1).

The mean number of days enrollees' physical health was not good in the month prior to survey completion **decreased from 2016 to 2018**.



Note: This is a statistically significant change over time.

Number of days mental health not good

Enrollees reported an average of 5.7 days in the past 30 days that their mental health was not good; 18.5% of enrollees reported 15 or more days (Appendix A Table 1.4). Mean number of days in the past 30 days that mental health was not good was greater for those with a chronic condition compared to those without (6.7 vs. 4.2 days) and for enrollees with a mental health condition and/or substance abuse disorder compared to those without (8.0 vs. 1.9 days) (Appendix A Table 1.4).

Overall, there was no statistically significant change from 2016 to 2018 in the mean number of days enrollees' mental health was not good in the month prior to survey completion (Appendix B Table 1.4.1). However, among enrollees age 51-64, the mean number of days their mental health was not good decreased from 2016 to 2018 (from 6.3 to 4.8 days) (Appendix B Table 1.4.1).

Number of days poor physical or mental health limited usual activities

Enrollees reported an average of 4.7 days in the past 30 days that poor physical or mental health kept them from doing their usual activities; 15.2% of enrollees reported 15 or more days (Appendix A Table 1.6). Those with a chronic condition compared to those without (6.1 vs. 2.6 days) and enrollees with a mental health condition and/or substance abuse disorder compared to those without (6.6 vs. 1.5 days) reported more such days (Appendix A Table 1.6).

In unadjusted analyses, there was no statistically significant change from 2016 to 2018 in the mean number of days that enrollees' poor physical or mental health limited usual activities in the month prior to survey completion (Appendix B Table 1.5.1). In multivariate analysis, however, change in the number of days from 2016 to 2018 that enrollees' poor physical or mental health limited usual activities in the month prior to survey completion was found to be statistically significant (Appendix B Table 1.5.2). In unadjusted analyses, some subgroups had significant decreases, including enrollees age 51-64 (from 6.9 to 5.7 days), men (from 5.3 to 4.5 days), and those who were employed at the time of the 2018 survey (from 3.0 to 2.4 days) (Appendix B Table 1.5.1).

Number of days missed work due to illness or injury

Employed enrollees reported a mean number of 5.8 days they missed work due to illness or injury in the past 12 months; 7.3% of enrollees reported 15 or more days (Appendix A Table 1.7). The number of days of missed work was greater for those with a chronic condition compared to those without (7.8 vs. 3.4 days), and for enrollees with a mental health condition and/or substance abuse disorder compared to those without (8.0 vs. 2.9 days) (Appendix A Table 1.7).

Chronic health conditions

At the time of the 2018 survey, more than half of enrollees (58.1%) reported having at least one chronic condition (Appendix A Table 1.10.1). The most commonly reported chronic conditions* in 2018 were hypertension (32.8%), mood disorder (32.7%), and arthritis or a related condition (27.2%) (Appendix A Table 1.10.1). Other conditions reported included asthma (15.3%), diabetes (11.3%), or a heart condition or heart disease (8.8%) (Appendix A Table 1.10.1).

Across all HMV survey years, 61.7% of enrollees reported ever being told they have a chronic condition and 31.9% reported ever being told they have two or more (Appendix A Tables 1.11, 1.12). Those who stayed on HMP/Medicaid were more likely than those who went off HMP/Medicaid for 6+ months and those who churned off and on HMP/Medicaid to have two or more chronic conditions (35.0% vs. 24.0% and 20.7%, respectively) (Appendix A Table 1.12).

*Respondents were able to provide multiple responses to the survey question.

Self-reported change in health

Most enrollees reported that in the past year their physical health had improved (27.1%) or stayed the same (55.9%), their mental health had improved (28.8%) or stayed the same (57.4%), and their oral health had improved (16.9%) or stayed the same (63.5%) (Appendix A Tables 1.3, 1.5, 1.8). Enrollees with a chronic condition were more likely than those without, and enrollees with a mental health condition and/or substance use disorder were more likely than those without, to report that their physical health got worse, their mental health got worse, and their oral health got worse (Appendix A Tables 1.3, 1.5, 1.8). Enrollees with an income 0-35% FPL were more likely than higher income groups to report that their physical health got worse and their mental health got worse (Appendix A Tables 1.3, 1.5). Enrollees age 19-34 were more likely than older age groups to report that their mental health improved and their oral health improved (Appendix A Tables 1.5, 1.8).

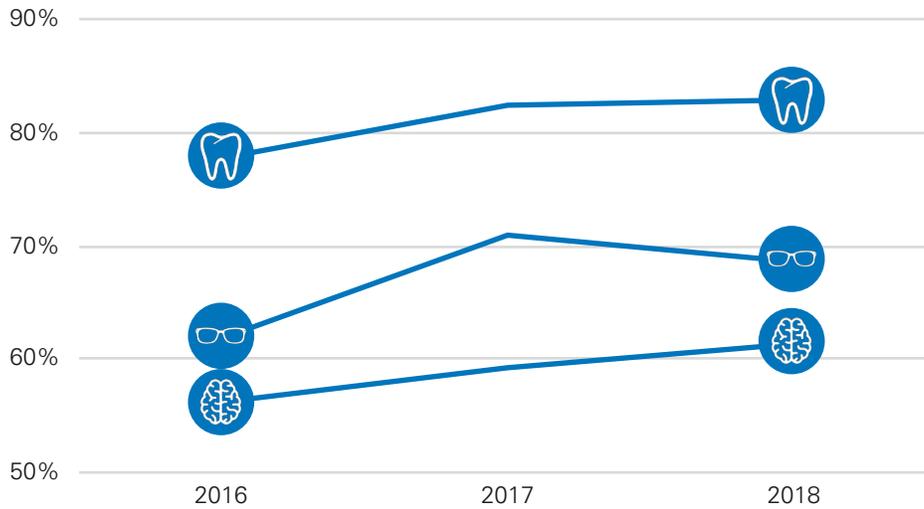
Aim 2: To describe perceptions and understanding of Medicaid coverage, HMP policies, and cost-sharing and how these change over time with enrollment.

Knowledge of HMP covered benefits

The majority of enrollees knew that HMP covers prescription medications (95.2%), dental care (82.6%), eyeglasses (67.7%), and counseling for mental or emotional problems (60.5%) (Appendix A Tables 2.1, 2.2, 2.3, 2.6). Nearly half knew that HMP covers birth control or family planning (49.7%) (Appendix A Table 2.5). Less than half knew that HMP covers substance use treatment (43.2%) and treatment to stop smoking (42.1%) (Appendix A Tables 2.4, 2.7).

Among those who stayed on HMP/Medicaid, the proportion of enrollees who knew that eyeglasses, routine dental care, and mental health counseling were covered by HMP increased from 2016 to 2018 (Appendix B Table 2.3.1).

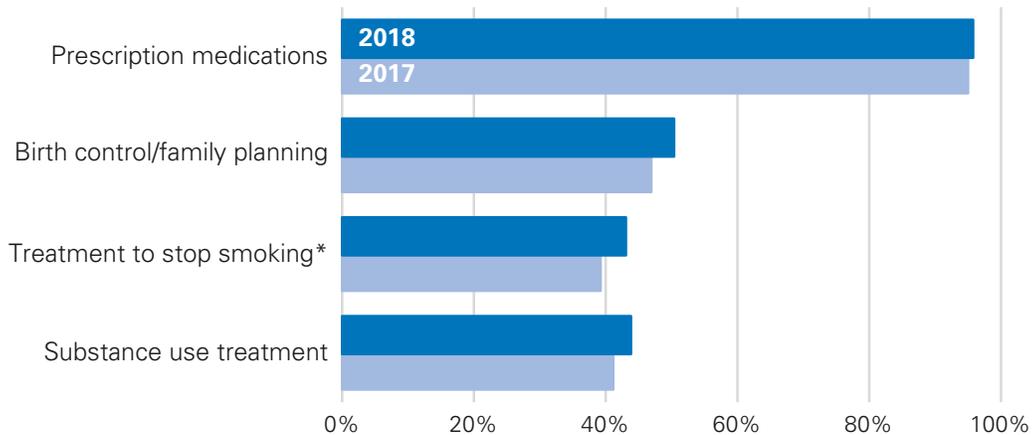
The proportion of enrollees who **knew that routine dental care, eyeglasses, and mental health counseling were covered by HMP increased from 2016 to 2018.**



Note: Among those who stayed on HMP/Medicaid and completed the Enrolled Survey in 2018. This is a statistically significant change over time.

Among those who stayed on HMP/Medicaid, the proportion of enrollees who knew that treatment to stop smoking was covered by HMP increased from 2017 to 2018 (from 39.4% to 43.1%) (Appendix B Table 2.3.1).

The proportion of enrollees who **knew that treatment to stop smoking was covered by HMP increased from 2017 to 2018**, while there was no change in knowledge of other HMP covered services.



Note: Among those who stayed on HMP/Medicaid and completed the Enrolled Survey in 2018. *Indicates statistically significant change over time.

Knowledge of HMP cost-sharing requirements and healthy behavior rewards

Less than half of enrollees (40.3%) were aware that there is a limit or maximum on the amount they might have to pay each year for HMP (Appendix A Table 2.14).

Less than one in three enrollees (29.5%) said they knew they could get a reduction in the amount they have to pay if they complete a health risk assessment (HRA), while 59.3% said they did not know (Appendix A Table 2.9). Awareness of getting a payment reduction for completing the HRA was greater among enrollees who were White compared to enrollees who were Black (34.8% vs. 22.5%), and among those with an income 100-133% FPL compared to those with an income 36-99% FPL or an income 0-35% FPL (38.1% vs. 26.5% and 28.1%, respectively) (Appendix A Table 2.9).

There was no statistically significant change from 2016 to 2018 in the proportion of enrollees overall who stayed on HMP/Medicaid who said they knew that they could get a reduction in the amount they have to pay if they complete a health risk assessment (Appendix B Table 2.1.1). However, increases were found in some subgroups, including women (from 25.0% to 30.3%), enrollees with an income 100-133% FPL (from 26.8% to 38.4%), and those from the UP/NW/NE region (from 31.4% to 41.9%) (Appendix B Table 2.1.1).

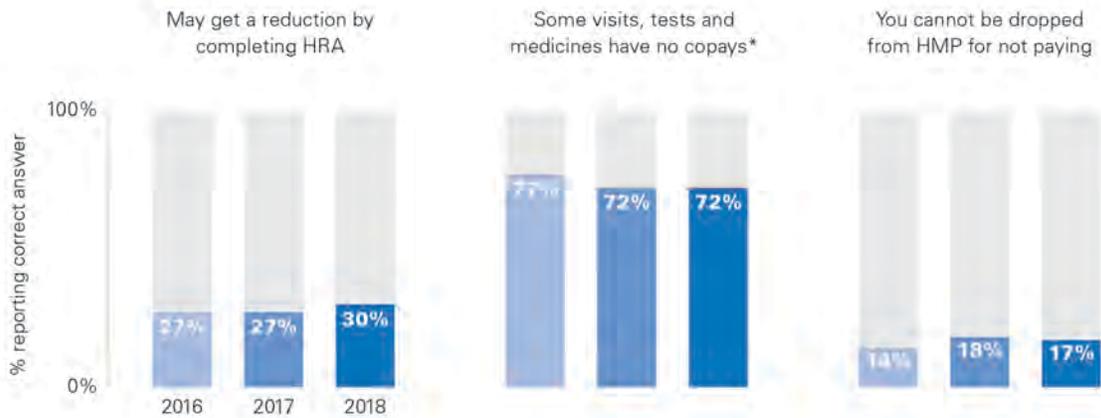
The majority of enrollees (70.2%) were aware that some kinds of visits, tests, and medicines have no copays (Appendix A Table 2.10). Knowledge that some kinds of visits, tests, and medicines have no copays was greater among those who stayed on HMP/Medicaid compared to those who churned off and on (71.7% vs. 56.6%) and among those with a mental health condition and/or substance use disorder compared to those without (73.6% vs. 64.1%) (Appendix A Table 2.10).

Of enrollees who stayed on HMP/Medicaid, the proportion who knew that some visits, tests, and medicines have no copays decreased slightly from 2016 to 2018 (from 76.7% to 71.6%) (Appendix B Table 2.1.3). Decreases in knowledge were found in some subgroups, including those age 51-64 (from 80.9% to 74.9%), women (from 80.5% to 73.5%), enrollees with an income 0-35% FPL (from 75.8% to 69.5%), those from the W/E Central/E region (from 82.3% to 72.1%), those with a chronic condition (from 78.2% to 73.5%), those with a mental health condition and/or substance use disorder (from 80.0% to 75.5%), and those who never or rarely need help reading written materials (from 77.6% to 72.7%) (Appendix B Table 2.1.3).

Nearly one in three enrollees (32.9%) erroneously thought they could be disenrolled from HMP for not paying their bill and half (50.2%) were unsure (Appendix A Table 2.8). Those with an income 100-133% were more likely than those with an income 36-99% FPL to believe they could be disenrolled for this reason (41.1% vs. 29.0%) (Appendix A Table 2.8).

Of enrollees who stayed on HMP/Medicaid, there was no statistically significant change from 2016 to 2018 in the proportion who knew they could not be disenrolled from HMP for not paying their bill (Appendix B Table 2.1.5). However, increases were found in some subgroups, including enrollees with an income 0-35% FPL (from 14.7% to 19.1%) and those from the UP/NW/NE region (from 11.2% to 21.2%) (Appendix B Table 2.1.5).

Knowledge of HMP cost-sharing requirements and healthy behavior rewards **did not significantly change** or **decreased slightly** from 2016 to 2018.



Note: Among those who stayed on HMP/Medicaid and completed the Enrolled Survey in 2018.
 *Indicates statistically significant change over time.

Experiences with MI Health Account

Most enrollees (78.4%) reported that they received a MI Health Account statement in the past year (Appendix A Table 2.11). Reporting receipt of a MI Health Account statement was more likely among those who stayed on HMP/Medicaid compared to those who churned off and on (81.0% vs. 54.1%) and among those with a chronic condition compared to those without (81.2% vs. 73.7%) (Appendix A Table 2.11). Among enrollees who reported receiving a MI Health Account statement in the past year, 87.9% strongly agreed or agreed that they carefully review each statement to see how much they owe, 86.7% strongly agreed or agreed that the statements help them be more aware of the cost of health care, and 39.0% strongly agreed or agreed that the information in the statement led them to change some of their health care decisions (Appendix A Tables 2.11.1, 2.11.1, 2.11.3).

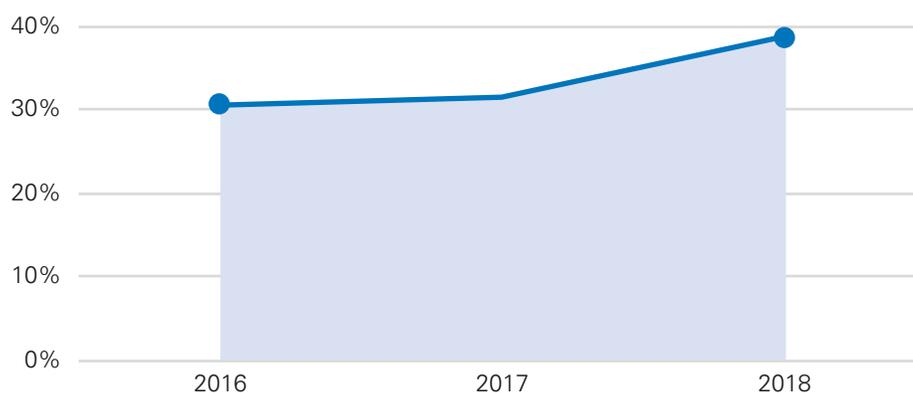
Of enrollees who stayed on HMP/Medicaid, the proportion who recalled having received a MI Health Account statement increased from 2016 to 2018 (from 73.5% to 80.9%) (Appendix B Table 2.2.1). Increases were found in most subgroups, including those age 19-34 (from 65.0% to 79.4%), those with a chronic condition (from 74.0% to 83.5%), those with a mental health condition and/or substance use disorder (from 70.9% to 81.2%), and those who reported needing help reading written materials (sometimes, often, or always) (from 60.3% to 71.8%) (Appendix B Table 2.2.1). In multivariate analysis, those who reported needing help reading written materials (sometimes, often, or always) were less likely than those who rarely or never needed such help to recall having received a MI Health Account statement across all survey years (Appendix B Table 2.2.2).

Enrollees who stayed on HMP/Medicaid and reported receiving a MI Health Account statement were slightly less likely in 2018 than in 2016 to strongly agree or agree that they carefully review MI Health Account statements (87.5% vs. 91.0%) and that MI Health Account

statements help them be aware of health care costs (86.3% vs. 89.7%) and (Appendix B Tables 2.2.3, 2.2.5).

Enrollees who stayed on HMP/Medicaid and reported receiving a MI Health Account statement were more likely in 2018 than in 2016 to strongly agree or agree that MI Health Account statements led them to change their health care decisions (38.7% vs. 30.6%) (Appendix B Table 2.2.7).

Enrollees were more likely in 2018 than in 2016 to strongly agree or agree that **MI Health Account statements led them to change their health care decisions.**



Note: Among those who stayed on HMP/Medicaid, completed the Enrolled Survey in 2018, and reported receiving a MI Health Account statement. This is a statistically significant change over time.

Perspectives on cost-sharing

The majority of enrollees who completed the Enrolled Survey strongly agreed or agreed that the amount they have to pay for HMP overall seems fair (85.8%) and the amount they pay for HMP is affordable (86.5%) (Appendix A Tables 2.12, 2.13). Among enrollees who completed the Not Enrolled Survey whose HMP coverage ended since the 2017 survey, nearly all strongly agreed or agreed that the amount they paid for HMP seemed fair (92.9%) and was affordable (93.9%) (Appendix A Tables 6.3, 6.4).

Most enrollees (94.5%) strongly agreed or agreed that getting discounts on copays and premiums as a reward for working on improving your health is a good idea (Appendix A Table 2.21). About half of enrollees (49.9%) strongly agreed or agreed that everyone should have to pay something for their health care (Appendix A Table 2.22).

Perspectives on HMP coverage

Nearly all enrollees (97.6%) strongly agreed or agreed that it is very important for them personally to have health insurance (Appendix A Table 2.20).

Most enrollees strongly agreed or agreed that having HMP has taken a lot of stress off them (93.9%) and that without HMP they would not be able to go to the doctor (90.7%) or the dentist (85.0%) (Appendix A Tables 2.15, 2.16, 2.17).

Questions or problems using HMP

Few enrollees (10.8%) reported that they had questions or problems using their HMP coverage in the last 12 months (Appendix A Table 2.18). Among those who had questions or problems, the most commonly reported challenges* included needing a service that was not covered (42.9%) and difficulty/inability finding a provider (30.5%) (Appendix A Table 2.18.1).

Among those who stayed on HMP/Medicaid, the proportion of enrollees who had questions or problems using their HMP coverage in the last 12 months decreased from 2016 to 2018 (from 15.4% to 9.7%) (Appendix B Table 2.4.1). Decreases were found in many subgroups, including enrollees age 19-34 (from 18.7% to 9.8%), with an income 0-35% FPL (from 14.5% to 9.9%), with an income 36-99% FPL (from 16.9% to 8.7%), from the W/E Central/E region (from 18.6% to 9.4%), and those who never or rarely need help reading written materials (from 14.8% to 8.9%) (Appendix B Table 2.4.1).

Fewer enrollees had questions or problems using their HMP coverage in 2018 compared to 2016.



Note: Among those who stayed on HMP/Medicaid and completed the Enrolled Survey in 2018. This is a statistically significant change over time.

Perspectives on the Medicaid program

Most enrollees (65.2%) disagreed or strongly disagreed that there should be a limit on how long someone can be covered by Medicaid (Appendix A Table 2.19). Enrollees of Arab/Chaldean descent were more likely to agree with this statement (Appendix A Table 2.19).

Aim 3: To understand financial and non-financial barriers and facilitators to care and how those change over time of enrollment and disenrollment.

Forgone health care

*Respondents were able to provide multiple responses to the survey question.

One in ten enrollees (10.8%) reported not getting the health care they needed in the last 12 months or since their HMP coverage ended (Appendix A Table 3.1). Enrollees with a chronic condition compared to those without (12.3% vs. 8.4%), enrollees with a mental health condition and/or substance use disorder compared to those without (12.5% vs. 7.9%), and those who had been off HMP/Medicaid for 6+ months compared to those who stayed on HMP/Medicaid (20.7% vs. 8.3%) were more likely to report forgone health care in the last 12 months or since their HMP coverage ended (Appendix A Table 3.1).

Among those who completed the Enrolled Survey and reported not getting the health care they needed in the last 12 months:

- The most commonly reported types of forgone health care* were primary care (42.0%), specialty care (30.9%), and prescription medications (22.3%) (Appendix A Table 3.1.1).
- The most commonly reported reasons for not getting the health care they needed*, regardless of the type of health care, were difficulty/inability finding a provider (26.2%), cost/needing a service that was not covered (25.9%), and difficulty getting an appointment (15.6%) (Appendix A Table 3.1.3).

Forgone health care in the last 12 months among those who stayed on HMP/Medicaid ranged from 2.0% to 11.8% in individual prosperity regions (Appendix B Table 3.1.3).

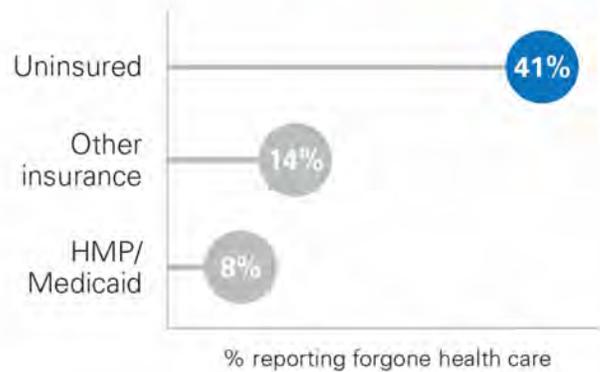
Among those who completed the Not Enrolled Survey and reported not getting the health care they needed since their HMP coverage ended or in the past 12 months:

- The most commonly reported types of forgone health care* were primary care (56.1%), specialty care (27.2%), and prescription medications (23.3%) (Appendix A Table 3.1.2).
- The most commonly reported reason for not getting the health care they needed*, regardless of the type of health care, was cost/no insurance coverage (57.5%) (Appendix A Table 3.1.4).

There was no statistically significant change from 2017 to 2018 in the proportion of enrollees overall who reported forgone health care in the last 12 months/since HMP coverage ended, however, significant changes were found among subgroups based on their health insurance coverage in 2018 (Appendix B Table 3.1.1). Among enrollees with HMP/Medicaid at the time of the 2018 survey, the proportion who reported forgone health care decreased from 2017 to 2018 (from 9.7% to 7.5%) (Appendix B Table 3.1.1). For those uninsured at the time of the 2018 survey, reports of forgone health care increased four-fold from 2017 to 2018 (from 10.3% to 40.8%) (Appendix B Table 3.1.1).

*Respondents were able to provide multiple responses to the survey question.

In 2018, those who were **uninsured** were much more likely than those with insurance to report **forgone health care**.



Overall, the proportion of enrollees who reported forgone health care due to financial reasons in the last 12 months/since HMP coverage ended increased from 2017 to 2018 (from 3.9% to 5.9%) (Appendix B Table 3.2.1). Significant changes were found in subgroups of enrollees based on their health insurance coverage in 2018 (Appendix B Table 3.2.1). Among enrollees with HMP/Medicaid at the time of the 2018 survey, the proportion who reported forgone health care due to financial reasons decreased from 2017 to 2018 (from 3.5% to 2.1%). Among those who went off HMP/Medicaid for 6+ months, the proportion who reported forgone health care due to financial reasons increased from 2017 to 2018 for those with other insurance (from 5.4% to 9.9%) and increased seven-fold for those who were uninsured at the time of the 2018 survey (from 5.4% to 37.2%) (Appendix B Table 3.2.1).

Forgone dental care

One in five enrollees (20.7%) reported not getting the dental care they needed in the last 12 months or since their HMP coverage ended (Appendix A Table 3.2).

Among those who completed the Enrolled Survey and reported not getting the dental care they needed in the last 12 months:

- The most commonly reported reasons for not getting the dental care they needed* were difficulty/inability finding a provider (33.9%) and cost/needing a service that was not covered (33.1%) (Appendix A Table 3.2.1).

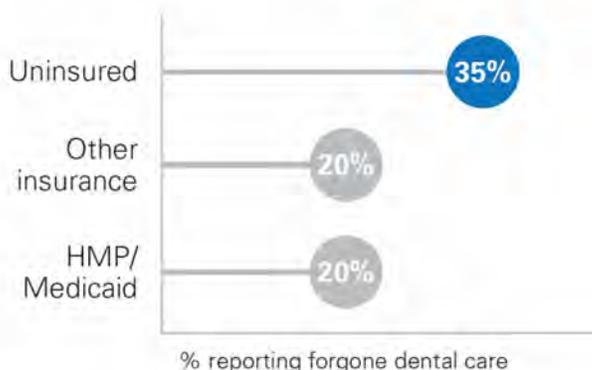
Among those who completed the Not Enrolled Survey and reported not getting the dental care they needed since their HMP coverage ended or in the past 12 months:

- The most commonly reported reasons for not getting the dental care they needed* were cost/no insurance coverage (60.4%) and cost/needing a service that was not covered (22.3%) (Appendix A Table 3.2.2).

*Respondents were able to provide multiple responses to the survey question.

There was no statistically significant change from 2017 to 2018 in the proportion of enrollees overall who reported forgone dental care in the last 12 months/since HMP coverage ended (Appendix B Table 3.3.1). However, increases were found in some subgroups, including those who were uninsured at the time of the 2018 survey (from 16.6% to 35.1%) and enrollees who were Hispanic (from 8.6% to 21.4%) (Appendix B Table 3.3.1).

In 2018, those who were **uninsured** were more likely than those with insurance to report **forgone dental care**.



Among enrollees who reported forgone dental care in the last 12 months/since HMP coverage ended, financial reasons were the most commonly reported reason for forgoing dental care in both 2017 and 2018 (Appendix B Table 3.3.3).

The proportion of all enrollees who reported forgone dental care due to financial reasons in the last 12 months/since HMP coverage ended increased from 2017 to 2018 (from 9.8% to 11.8%) (Appendix B Table 3.4.1). Increases were found among some subgroups, particularly among enrollees who were uninsured at the time of the 2018 survey (from 11.5% to 32.3%) and those who reported needing help reading written materials (from 7.6% to 14.9%) (Appendix B Table 3.4.1).

Out-of-pocket costs

In the last 12 months, 57.4% of enrollees spent less than \$50 out-of-pocket for their own medical and dental care, while 42.7% spent more than \$50 out-of-pocket (Appendix A Table 3.3). Those who went off HMP/Medicaid for 6+ months were more likely than those who stayed on HMP/Medicaid or those who churned off and on HMP/Medicaid to report spending more than \$50 out-of-pocket for their own medical and dental care (Appendix A Table 3.3). Among those who went off HMP/Medicaid for 6+ months, 8.4% spent over \$2,000 and 22.3% spent between \$501 and \$2,000 (Appendix A Table 3.3).

Access to care after HMP

The majority of those who completed the Not Enrolled Survey described their ability to get the following types of care now compared to when they had HMP as worse or about the same:

- Primary care (20.4% worse, 62.0% about the same, 12.8% better)
- Specialty care (20.0% worse, 47.6% about the same, 13.9% better)
- Dental care (24.1% worse, 46.9% about the same, 14.4% better)
- Vision care (19.1% worse, 49.7% about the same, 11.6% better)
- Mental health care (13.3% worse, 43.1% about the same, 7.2% better)
- Prescription medications (24.3% worse, 52.6% about the same, 12.9% better)
- Help staying healthy or preventing health problems (12.4% worse, 60.1% about the same, 10.0% better) (Appendix A Tables 3.5, 3.6, 3.7, 3.8, 3.9, 3.11, 3.13)

The majority of enrollees who completed the Not Enrolled Survey said they did not know how their ability to get the following types of care changed compared to when they had HMP:

- Substance use treatment (70.2% did not know, 4.2% worse, 23.1% about the same, 2.4% better)
- Cancer screening (50.4% did not know, 9.1% worse, 36.2% about the same, 4.4% better)
- Birth control/family planning services (57.3% did not know, 5.5% worse, 31.7% about the same, 5.5% better) (Appendix A Tables 3.10, 3.12, 3.14)

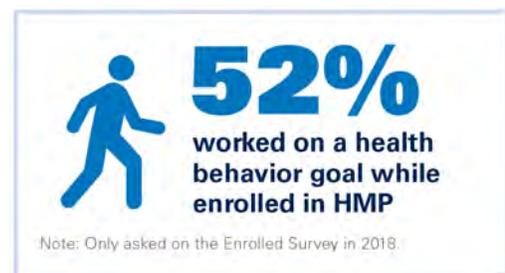
Change in providers since HMP coverage ended

Among enrollees who completed the Not Enrolled Survey, approximately one in five (21.0%) reported having to change one or more of their providers since their HMP coverage ended or in the past 12 months (Appendix A Table 3.4). Those who had to change one or more providers most commonly reported having to change their primary care provider (PCP) (80.9%) (Appendix A Table 3.4.1).

Aim 4: To describe HMP enrollees’ health behaviors, how they change over time with enrollment and disenrollment in HMP, and barriers and facilitators to improvement in health behaviors.

Health behavior goals

Half of enrollees (51.9%) said they worked on a health behavior goal during the time they have been on HMP (Appendix A Table 4.1). Enrollees age 51-64 were more likely than younger enrollees and enrollees who were White were more likely than enrollees who were Black (57.3% vs. 44.5%) to report working on a health behavior goal while on HMP (Appendix A Table 4.1).



Among enrollees who worked on a health behavior goal, the most commonly reported goals* were losing weight (29.6%), exercising (26.4%), nutrition/diet (26.3%), and reducing or quitting tobacco use (14.4%) (Appendix A Table 4.1.1).

*Respondents were able to provide multiple responses to the survey question.

Among enrollees who worked on a health behavior goal, 13.9% reported meeting their goal, 73.5% reported making progress toward their goal, and 12.5% reported that they had not made progress toward their goal (Appendix A Table 4.1.2). Those who stayed on HMP/Medicaid were more likely than those who churned off and on HMP/Medicaid to report making progress toward their goal (75.2% vs. 55.3%) (Appendix A Table 4.1.2).

Enrollees who reported meeting or making progress toward their goal were asked what helped them make progress toward their goal. The most commonly reported facilitators* were eating healthier (for weight loss, health condition, etc.) (32.4%), exercise (for weight loss, health condition, etc.) (27.1%), having motivation (17.5%), and receiving help from a doctor (15.5%) (Appendix A Table 4.1.2.1).

Enrollees who worked on a health behavior goal were asked about barriers they faced in trying to meet their goal. The most commonly reported barriers* were lack of motivation (17.7%), circumstances (e.g. weather, season, other logistics) (16.7%), and illness/injury (15.6%); 24.9% said they did not face any barriers in trying to meet their goal (Appendix A Table 4.1.3).

Health risk assessment

Self-reported HRA discussion

Nearly half of enrollees (45.5%) said they discussed the HRA with their doctor or someone at their primary care provider's office in the last year (Appendix A Table 4.2). Among enrollees who discussed the HRA with their doctor or someone at their primary care provider's office, 90.5% chose to work on at least one health behavior (Appendix A Table 4.2.1). The most common behaviors* that enrollees chose to work on were related to nutrition/diet (33.7%), exercise/activity (30.0%), losing weight (22.2%), and reducing/quitting tobacco use (17.1%) (Appendix A Table 4.2.1). Asked why they chose the healthy behavior they did*, most enrollees (70.1%) said the behavior was something that they wanted to do anyway (Appendix A Table 4.2.1.1). Other reasons were that it would help them improve their condition (30.6%) or because the doctor suggested it (14.5%) (Appendix A Table 4.2.1.1).

Among those who stayed on HMP/Medicaid, there was no statistically significant change from 2017 to 2018 in the proportion of enrollees who reported discussing the HRA with their doctor or someone at their primary care provider's office in the last year (Appendix B Table 4.7.3).

Any HRA completion

Nearly three in four enrollees who stayed on HMP/Medicaid (72.0%) had some record of HRA activity in the Data Warehouse and 48.3% had a completed HRA with physician attestation at any time during HMP enrollment (Appendix B Tables 4.7.1, 4.7.2).

*Respondents were able to provide multiple responses to the survey question.

Health behaviors and health education

Exercise

One in four enrollees (25.2%) reported exercising for at least 20 minutes every day in the last 7 days, and another 36.2% reported exercising on 3-6 of the last 7 days (Appendix A Table 4.3). Those age 51-64 were more likely than younger enrollees to report exercising every day while those age 19-34 were more likely than older enrollees to report exercising on 3-6 of the last 7 days (Appendix A Table 4.3).

About half of enrollees (45.0%) reported talking with a health professional about exercise in the last 12 months (Appendix A Table 4.6). Those with a chronic condition were more likely than those without, and those with a mental health condition and/or substance use disorder were more likely than those without, to report this (Appendix A Table 4.6).

From 2016 to 2018, 66.8% of those who stayed on HMP/Medicaid either increased exercise frequency or maintained a healthy exercise frequency (defined as 3 or more days in the last 7 days) (Appendix B Table 4.1.2).

Among those who stayed on HMP/Medicaid, there was no statistically significant change from 2016 to 2018 in the proportion of enrollees who reported 1 or more days of exercise in the last 7 days (Appendix B Table 4.1.3). There was no statistically significant change from 2016 to 2018 among the subgroup of enrollees who completed an HRA with physician attestation (Appendix B Table 4.1.3).

Diet/nutrition

About half of enrollees (46.9%) reported talking with a health professional about diet/nutrition in the last 12 months (Appendix A Table 4.7). Those with a chronic condition were more likely than those without, and those with a mental health condition and/or substance use disorder were more likely than those without, to report this (Appendix A Table 4.7).

Over half of enrollees (54.8%) reported drinking sugary drinks on 2 or fewer days in the last 7 days (Appendix A Table 4.4). Those age 51-64 were more likely than younger enrollees to report 0 days of sugary drink consumption in the last 7 days (Appendix A Table 4.4).

From 2016 to 2018, 50.0% of those who stayed on HMP/Medicaid either decreased sugary drink consumption or maintained no sugary drink consumption (Appendix B Table 4.2.2).

The proportion of enrollees who stayed on HMP/Medicaid who reported 1 or more days of sugary drink consumption in the last 7 days decreased from 2016 to 2018 (from 70.3% to 66.9%) (Appendix B Table 4.2.3). Decreases were found in some subgroups, including enrollees who were age 19-34 (from 80.3% to 74.9%), who were non-Hispanic Black (from 76.4% to 69.2%), with an income 0-35% FPL (from 69.8% to 65.0%), from the Detroit Metro region (from 67.6% to 61.4%), and who completed an HRA with physician attestation (from 69.9% to 64.4%) (Appendix B Table 4.2.3).

Less than one in three enrollees (31.6%) reported eating 3 or more servings of fruit and vegetables every day in the last 7 days (Appendix A Table 4.5).

From 2016 to 2018, 72.5% of those who stayed on HMP/Medicaid either maintained healthy fruit and vegetable consumption (defined as 3 or more days of eating 3+ fruits and vegetables in the last 7 days) or increased fruit and vegetable consumption (Appendix B Table 4.3.2). Among those who stayed on HMP/Medicaid, there was no statistically significant change from 2016 to 2018 in the proportion of enrollees who reported 3 or more days of eating 3+ fruits and vegetables in the last 7 days (Appendix B Table 4.3.3). There was no statistically significant change in fruit and vegetable consumption from 2016 to 2018 among the subgroup of enrollees who completed an HRA with physician attestation (Appendix B Table 4.3.3).

Alcohol use

Few enrollees (5.5%) reported binge drinking (5 or more drinks for men and 4 or more drinks for women) on 3 or more of the last 7 days (Appendix A Table 4.8). Among those who reported any binge drinking in the last 7 days, 33.9% reported talking with a health professional about safe alcohol use in the last 12 months (Appendix A Table 4.8.1).

Among enrollees who stayed on HMP/Medicaid and reported any binge drinking in 2016, 82.5% decreased their frequency of binge drinking between 2016 and 2018 (Appendix B Table 4.5.2).

Among those who stayed on HMP/Medicaid, there was no statistically significant change from 2016 to 2018 in the proportion of enrollees overall who reported 1 or more days of binge drinking in the last 7 days (Appendix B Table 4.5.3). However, among the subgroup of enrollees age 35-50, the proportion who reported 1 or more days of binge drinking in the last 7 days decreased from 2016 to 2018 (from 23.9% to 17.3%) (Appendix B Table 4.5.3).

Tobacco use

About one in three enrollees (35.7%) reported smoking or using tobacco in the last 30 days (Appendix A Table 4.9). Those with an income 0-35% FPL were more likely than those with higher incomes, and those with a mental health condition and/or substance use disorder were more likely than those without, to report smoking or using tobacco in the last 30 days (Appendix A Table 4.9). Among those who reported smoking or using tobacco in the last 30 days, 71.0% reported wanting to quit (Appendix A Table 4.9.1). Of those who said they would like to quit smoking or using tobacco, 91.7% reported working on quitting or cutting back (Appendix A Table 4.9.1.1). Among those who reported smoking or using tobacco in the last 30 days, half (49.2%) reported receiving advice or assistance from a health professional or their health plan on how to quit in the last 12 months (Appendix A Table 4.9.2).

From 2016 to 2018, 19.5% of those who stayed on HMP/Medicaid and reported smoking or using tobacco in 2016 or 2017 were no longer smoking or using tobacco in 2018 (Appendix B Table 4.4.2).

Among those who stayed on HMP/Medicaid, there was no statistically significant change from 2016 to 2018 in the proportion of enrollees overall who reported smoking or using tobacco (Appendix B Table 4.4.3). However, decreases were found in some subgroups, including enrollees age 51-64 (from 41.3% to 35.2%) and those with a chronic condition (from 40.1% to 36.9%) (Appendix B Table 4.4.3).

Drug use

Few enrollees (5.9%) reported using drugs or medications to affect mood or help them relax (includes prescription drugs taken differently than instructed as well as street drugs) in the last 30 days (Appendix A Table 4.10). Among those who reported using drugs or medications to affect mood or help them relax, 52.1% used them almost every day (Appendix A Table 4.10.1). Among those who used them sometimes or almost every day, 50.6% reported speaking with a health professional about the use of these drugs or medications in the last 12 months (Appendix A Table 4.10.1.1).

From 2016 to 2018, 64.2% of those who stayed on HMP/Medicaid and reported drug use in 2016 or 2017 did not report drug use in 2018 (Appendix B Table 4.6.2).

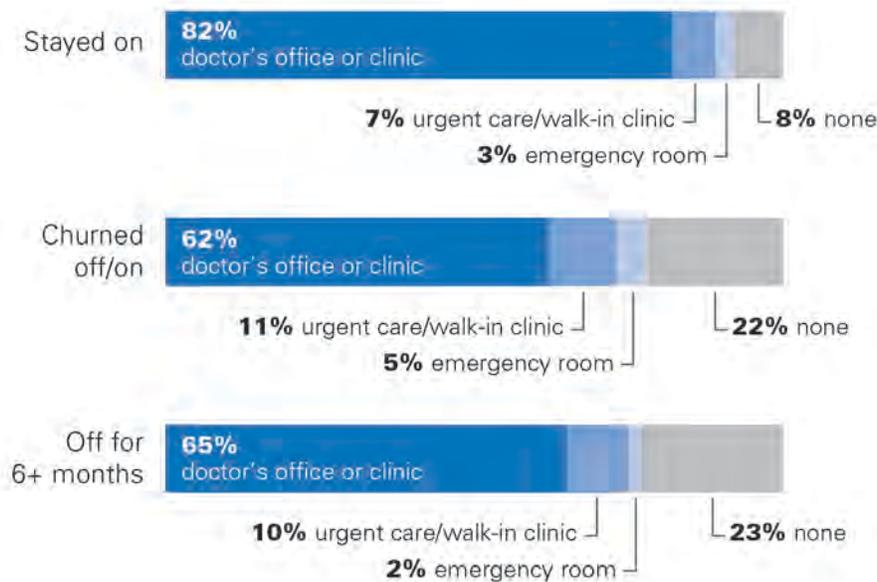
Among those who stayed on HMP/Medicaid, there was no statistically significant change from 2016 to 2018 in the proportion of enrollees who reported 1 or more days of drug use in the last 30 days (Appendix B Table 4.6.3). There was no statistically significant change from 2016 to 2018 among the subgroup of enrollees who completed an HRA with physician attestation (Appendix B Table 4.6.3).

Aim 5: To understand HMP enrollees' decisions about when, where and how to seek care, including decisions about emergency department utilization.

Regular source of care

Most enrollees (91.5%) reported having a place they would usually go when they need a checkup, feel sick, or want advice about their health in the last 12 months or since their HMP coverage ended (Appendix A Table 5.1). Those who stayed on HMP/Medicaid were more likely than those who churned off and on HMP/Medicaid or those who went off HMP/Medicaid for 6+ months to report having a regular source of care (93.9% vs. 83.6% and 84.6%, respectively) (Appendix A Table 5.1). Among enrollees who reported having a place they would go for health care in the last 12 months or since their HMP coverage ended, 66.6% reported a doctor's office, 20.6% a clinic, 9.1% an urgent care/walk-in clinic, and 3.0% reported the emergency room (ER) (Appendix A Table 5.1.2).

In 2018, those who stayed on HMP/Medicaid were more likely than those who did not stay on **to have a regular source of care**.



Among enrollees who completed the Enrolled Survey and reported going to a doctor's office or clinic for their health care in the last 12 months, 97.4% said this was their PCP through their HMP coverage (Appendix A Table 5.1.3.2). Among all enrollees who completed the Enrolled Survey, 95.1% reported having a PCP (Appendix A Table 5.2).

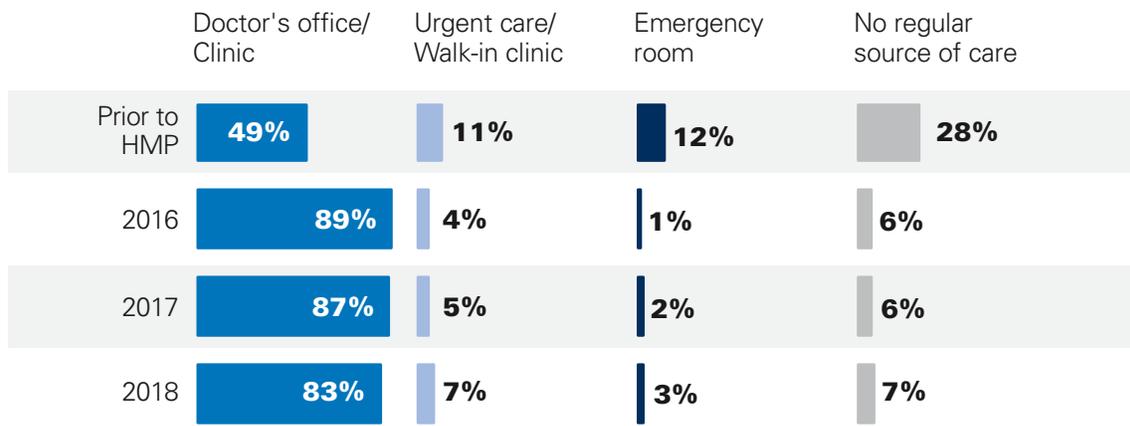
Among enrollees who completed the Enrolled Survey and indicated they had a PCP, 80.2% reported that they had the same PCP as when they were surveyed last year (Appendix A Table 5.2.1). Among those who did not have the same PCP as last year, the most common reasons* enrollees reported for changing their PCP were wanting a new PCP (32.9%) and their PCP office moved or closed (27.0%); 4.0% reported that the reason was because their PCP no longer accepted Medicaid (Appendix A Table 5.2.1.1).

Among enrollees who completed the Not Enrolled Survey and reported going to a doctor's office or clinic for their health care since their HMP coverage ended or in the past 12 months, 81.1% reported still going to their HMP PCP (Appendix A Table 5.1.3.1).

Compared to the 12 months prior to HMP enrollment, enrollees who stayed on HMP/Medicaid were, in 2016, 2017, and 2018, less likely to report the ER as their regular source of care and more likely to report having a regular source of care that was a doctor's office or clinic (Appendix B Table 5.1.1).

*Respondents were able to provide multiple responses to the survey question.

In 2016, 2017, and 2018, enrollees were **more likely to report having a regular source of care that was a doctor's office or clinic** and **less likely to report the ER** compared to the 12 months prior to enrollment.



Note: Among those who stayed on HMP/Medicaid and completed the Enrolled Survey in 2018.

The proportion of enrollees who stayed on HMP/Medicaid who reported having a regular source of care that was a doctor's office or clinic in the last 12 months decreased slightly from 2016 to 2018 (from 88.0% to 83.0%); this was true for some subgroups (Appendix B Table 5.1.2).

In multivariate analysis among enrollees who stayed on HMP/Medicaid, women were more likely than men (aOR=2.29), and those with a chronic condition were more likely than those without (aOR=2.00), to have a regular source of care that was a doctor's office or clinic in the last 12 months across all survey years (Appendix B Table 5.1.3). Enrollees who were non-Hispanic Black were less likely than enrollees who were non-Hispanic White (aOR=0.52) to have a regular source of care that was a doctor's office or clinic in the last 12 months across all survey years (Appendix B Table 5.1.3).

Primary care utilization

The majority of enrollees who completed the Enrolled Survey and who reported having a PCP saw their PCP in the past 12 months (84.8%) (Appendix A Table 5.2.2). Among those who reported not seeing their PCP in the past 12 months, the most common reason* given was that they were healthy and did not need to see a provider (48.5%) (Appendix A Table 5.2.2.1).

Among those who stayed on HMP/Medicaid, there was no statistically significant change from 2016 to 2018 in the proportion of enrollees who reported seeing their PCP in the past 12 months; the overall percent who reported seeing their PCP remained high (Appendix B Table 5.2.1).

Most enrollees who completed the Enrolled Survey (80.8%) said it was very easy or easy to get an appointment to see their PCP in the past 12 months (Appendix A Table 5.3). Among those

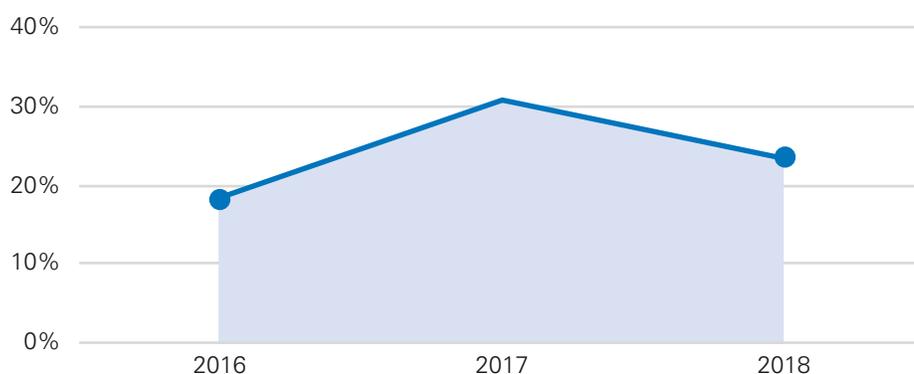
*Respondents were able to provide multiple responses to the survey question.

who said it was difficult or very difficult to get an appointment, the most common reason* was difficulty getting an appointment soon enough (74.9%) (Appendix A Table 5.3.1.1).

Dental care utilization

The proportion of enrollees who stayed on HMP/Medicaid who had a claim for at least one preventive dental visit in the past 12 months increased from 2016 to 2017 (from 18.3% to 30.8%) and from 2016 to 2018 (from 18.3% to 23.4%); this was true among most subgroups (Appendix B Table 5.3.1).

The proportion of enrollees who had a **claim for at least one preventive dental visit in the past 12 months increased from 2016 to 2018.**



Note: Among those who stayed on HMP/Medicaid and completed the Enrolled Survey in 2018. This is a statistically significant change over time.

In multivariate analysis among enrollees who stayed on HMP/Medicaid, having a claim for at least one preventive dental visit in any survey year was less likely among enrollees age 35-50 (aOR=0.61) or age 51-64 (aOR=0.41) compared to those age 19-34, enrollees who were non-Hispanic Black compared to enrollees who were non-Hispanic White (aOR=0.52), enrollees from the S Central/SW/SE region (aOR=0.47) or the Detroit Metro region (aOR=0.48) compared to those from the UP/NW/NE region, and among enrollees who did not know (aOR=0.08) or who thought routine dental care was not covered by HMP (aOR=0.14) compared to those who knew that HMP covers routine dental care (Appendix B Table 5.3.2).

The proportion of enrollees who stayed on HMP/Medicaid who had a claim for at least one other (non-preventive) dental visit in the past 12 months increased from 2016 to 2017 (from 27.3% to 34.3%) but there was no statistically significant change from 2016 to 2018 (Appendix B Table 5.3.3). However, increases from 2016 to 2018 were found among some subgroups of enrollees who stayed on HMP/Medicaid, including enrollees age 19-34 (from 22.0% to 29.0%) and those with an income 100-133% FPL (from 23.0% to 30.8%) (Appendix B Table 5.3.3).

*Respondents were able to provide multiple responses to the survey question.

Self-reported emergency room use

Nearly one in three enrollees (30.7%) reported going to the ER for care in the past 12 months or since their HMP coverage ended (Appendix A Table 5.4). Among enrollees who reported an ER visit, one in five (21.4%) tried to contact their usual provider's office before going to the ER (Appendix A Table 5.4.1). Women were more likely than men to report this (26.8% vs. 14.7%) (Appendix A Table 5.4.1). Of those enrollees who tried to contact their usual provider's office before going to the ER, 79.5% reported talking to someone (Appendix A Table 5.4.1.2). Among those who talked to someone from their provider's office before going to the ER, the most common reason* for going to the ER was because they were told to go to the ER (57.9%) (Appendix A Table 5.4.1.3).

Among enrollees who completed the Enrolled Survey and reported going to the ER in the past 12 months, 78.0% reported that they went to the ER because it is the closest place to receive care, 60.6% reported that the problem was too serious for a doctor's office or clinic, 60.0% reported that their doctor's office or clinic was not open, 46.8% reported that they needed to get care at a time when they would not miss work or school, 31.1% reported that they went to the ER because they get most of their care at the ER, and 20.9% reported arriving to the ER by ambulance (Appendix A Tables 5.4.2, 5.4.3, 5.4.4, 5.4.5, 5.4.6, 5.4.7).

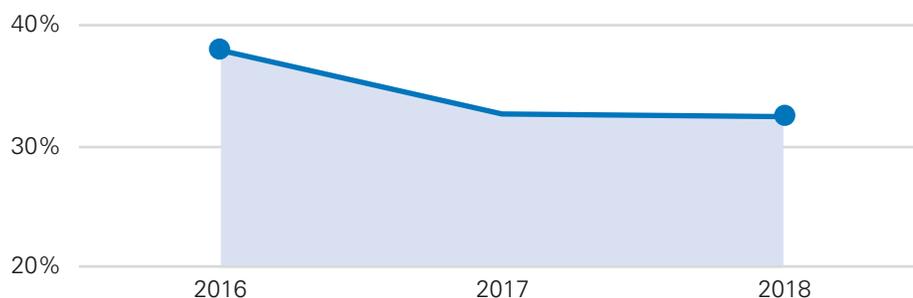
The proportion of enrollees who reported an ER visit in the past 12 months/since HMP coverage ended decreased from 2016 to 2018 (from 37.1% to 30.7%) (Appendix B Table 5.4.1). Decreases were found in most subgroups, including enrollees with a chronic condition (from 43.0% to 35.7%) and with a mental health condition and/or substance use disorder (from 44.8% to 37.3%) (Appendix B Table 5.4.1). In multivariate analysis, reporting an ER visit in any survey year was more likely among those with a chronic condition compared to those without (aOR=2.29), those with a mental health condition and/or substance use disorder compared to those without (aOR=3.05), and among those who experienced housing instability compared to those without (aOR=1.75); and was less likely for enrollees who were employed compared to those not employed (aOR=0.77) (Appendix B Table 5.4.2).

Specifically among enrollees who stayed on HMP/Medicaid, the proportion who reported an ER visit in the past 12 months decreased from 2016 to 2018 (from 38.0% to 32.5%) (Appendix B Table 5.4.3). Decreases were found in many subgroups, including enrollees age 19-34 (from 43.2% to 33.6%), those with a chronic condition (from 43.5% to 36.4%), and those with a mental health condition and/or substance use disorder (from 46.5% to 39.5%) (Appendix B Table 5.4.3). In multivariate analysis among those who stayed on HMP/Medicaid, reporting an ER visit in any survey year was more likely among those with a chronic condition compared to those without (aOR=2.00), those with a mental health condition and/or substance use disorder compared to those without (aOR=3.95), and among those who experienced housing instability compared to those without (aOR=2.25) (Appendix B Table 5.4.4).

*Respondents were able to provide multiple responses to the survey question.

Among enrollees who stayed on HMP/Medicaid, there was no statistically significant change from 2016 to 2018 in the proportion of enrollees who reported trying to contact their PCP before going to the ER (Appendix B Table 5.4.5). In multivariate analysis, enrollees who reported having a regular source of care that was a doctor's office or clinic were more likely than those who did not (aOR=3.03) to report trying to contact their PCP before going to the ER across all survey years (Appendix B Table 5.4.6).

The proportion of enrollees who reported an **ER visit in the past 12 months decreased from 2016 to 2018**.



Note: Among those who stayed on HMP/Medicaid and completed the Enrolled Survey in 2018. This is a statistically significant change over time.

Emergency room utilization

Among those who stayed on HMP/Medicaid, the proportion of enrollees who had a claim for at least one low-complexity ER visit in the last 12 months decreased from 2016 to 2018 (from 3.6% to 1.9%) (Appendix B Table 5.5.1). Decreases were found among some subgroups, including those age 35-50 (from 4.1% to 1.4%) and men (from 3.7% to 0.3%) (Appendix B Table 5.5.1). Women were more likely to have had a claim for at least one low-complexity ER visit in any survey year (aOR=1.88) and had no change from 2016 to 2018 (Appendix B Tables 5.5.1, 5.5.2).

Among those who stayed on HMP/Medicaid, there was no statistically significant change from 2016 to 2018 in the proportion of enrollees overall who had a claim for at least one medium or high-complexity ER visit in the last 12 months (Appendix B Table 5.5.3). However, decreases were found among some subgroups, including enrollees with a chronic condition (from 44.4% to 40.0%) and those with a mental health condition and/or substance use disorder (from 48.0% to 42.8%) (Appendix B Table 5.5.3).

Care needs after hours

Among enrollees who completed the Enrolled Survey and did not report going to the ER for care in the past 12 months, one in six (16.6%) reported that there was a time when they needed help or advice when their usual clinic or doctor's office was closed (Appendix A Table 5.4.9). Those who reported needing help or advice when their usual clinic or doctor's office was closed were asked what they did to get the health care help or advice they needed and the most

common responses* were that they went to urgent care or a walk-in clinic (60.1%) and that they got advice elsewhere (24.2%) (Appendix A Table 5.4.9.1).

Checking cost-sharing before seeking care

One in four enrollees (27.9%) reported that in the past 12 months they had checked how much they would have to pay for a doctor's visit, medication, or other health service before they received care (Appendix A Table 5.6). Checking cost before receiving care was more common among those who went off HMP/Medicaid for 6+ months compared to those who stayed on HMP/Medicaid or those who churned off and on HMP/Medicaid (47.3% vs. 23.4% and 29.6%, respectively) and among enrollees who were White compared to enrollees who were Black (30.2% vs. 22.0%) (Appendix A Table 5.6). Enrollees most commonly reported checking the cost before receiving* primary care (45.4%) and prescription medications (25.2%) (Appendix A Table 5.6.1).

Among those who stayed on HMP/Medicaid, there was no statistically significant change from 2017 to 2018 in the proportion of enrollees who reported checking how much they would have to pay for a doctor's visit, medication, or other health service before they received care in the past 12 months (Appendix B Table 5.7.1).

In multivariate analysis among enrollees who stayed on HMP/Medicaid, checking cost before receiving care in 2017 or 2018 was more likely among women compared to men (aOR=1.85), those with a chronic condition compared to those without (aOR=1.74), those with a bachelor's or post-graduate degree (aOR=2.54) or an associate's degree or some college (aOR=1.60) compared to those whose highest level of education was high school or less, and among those who reported forgone health care due to cost in the last 12 months in 2017 compared to those who did not (aOR=3.65) (Appendix B Table 5.7.2).

Using quality information in health care decisions

Few enrollees (14.4%) reported comparing quality ratings for health care services at different places in the past 12 months (Appendix A Table 5.7). Those who went off HMP/Medicaid for 6+ months were more likely than those who stayed on HMP/Medicaid to report comparing quality ratings (20.9% vs. 12.6%) (Appendix A Table 5.7). Enrollees most commonly reported comparing quality ratings for* primary care (45.4%) (Appendix A Table 5.7.1).

Among those who stayed on HMP/Medicaid, there was no statistically significant change from 2017 to 2018 in the proportion of enrollees who reported comparing quality ratings for health care services at different places in the past 12 months (Appendix B Table 5.7.3).

In multivariate analysis among enrollees who stayed on HMP/Medicaid, comparing quality ratings for health care services in 2017 or 2018 was more likely among women compared to men (aOR=2.61), those with a bachelor's or post-graduate degree (aOR=3.30) or an associate's degree or some college (aOR=1.51) compared to those whose highest level of education was high

*Respondents were able to provide multiple responses to the survey question.

school or less, those who spent more than \$500 on out-of-pocket costs in the last 12 months compared to those who spent less than \$50 on out-of-pocket costs (aOR=2.04), and among those who reported forgone health care due to cost in the last 12 months in 2017 compared to those who did not (aOR=3.39) (Appendix B Table 5.7.4). In multivariate analysis among enrollees who stayed on HMP/Medicaid, comparing quality ratings for health care services at different places in 2017 or 2018 was less likely among those age 35-50 (aOR=0.55) or age 51-64 (aOR=0.37) compared to those age 19-34 (Appendix B Table 5.7.4).

Talking with a provider about health care costs

About one in five enrollees (19.4%) reported talking with a health care provider about how much health care services would cost them out-of-pocket in the past 12 months (Appendix A Table 5.8). Enrollees who were White were more likely than enrollees who were Black to report talking with a health care provider about how much health care services would cost them out-of-pocket (21.5% vs. 13.9%) (Appendix A Table 5.8). Enrollees most commonly reported discussing out-of-pocket costs for* primary care (30.4%) (Appendix A Table 5.8.1).

About one in six enrollees who stayed on HMP/Medicaid (15.5%) reported talking with a health care provider about how much health care services would cost them out-of-pocket in the past 12 months (Appendix B Table 5.7.7).

In multivariate analysis among enrollees who stayed on HMP/Medicaid, talking with a health care provider about how much health care services would cost in 2018 was more likely among those with a bachelor's or post-graduate degree (aOR=1.89) compared to those whose highest level of education was high school or less, and among those who reported forgone health care due to cost in the last 12 months in 2016 compared to those who did not (aOR=2.40) (Appendix B Table 5.7.8). Talking with a health care provider about how much health care services would cost in 2018 was less likely among those with an income 100-133% FPL compared to those with an income 0-35% FPL (aOR=0.60) (Appendix B Table 5.7.8).

About one in four enrollees (22.7%) reported asking a provider to recommend a less costly prescription drug in the past 12 months (Appendix A Table 5.9). Asking for a less costly prescription drug was more common among those who went off HMP/Medicaid for 6+ months compared to those who stayed on HMP/Medicaid (30.6% vs. 21.4%), enrollees who were White compared to enrollees who were Black (25.8% vs. 16.1%), those with a chronic condition compared to those without (27.5% vs. 15.0%), and among those with a mental health condition and/or substance use disorder compared to those without (26.2% vs. 16.6%) (Appendix A Table 5.9).

Among those who stayed on HMP/Medicaid, there was no statistically significant change from 2017 to 2018 in the proportion of enrollees who reported asking a provider to recommend a less costly prescription drug in the past 12 months (Appendix B Table 5.7.5).

*Respondents were able to provide multiple responses to the survey question.

In multivariate analysis among enrollees who stayed on HMP/Medicaid, asking a provider to recommend a less costly prescription drug in 2017 or 2018 was more likely among those age 51-64 compared to those age 19-34 (aOR=1.63), women compared to men (aOR=2.42), those with a mental health condition and/or substance use disorder compared to those without (aOR=2.05), and among those who spent \$51-\$100 (aOR=2.71) or \$101-\$500 (aOR=1.90) on out-of-pocket costs in the last 12 months compared to those who spent less than \$50 on out-of-pocket costs (Appendix B Table 5.7.6).

Aim 6: To understand why enrollees lose or drop HMP coverage and what, if any, source of health insurance coverage they subsequently obtain.

HMP/Medicaid enrollment pattern

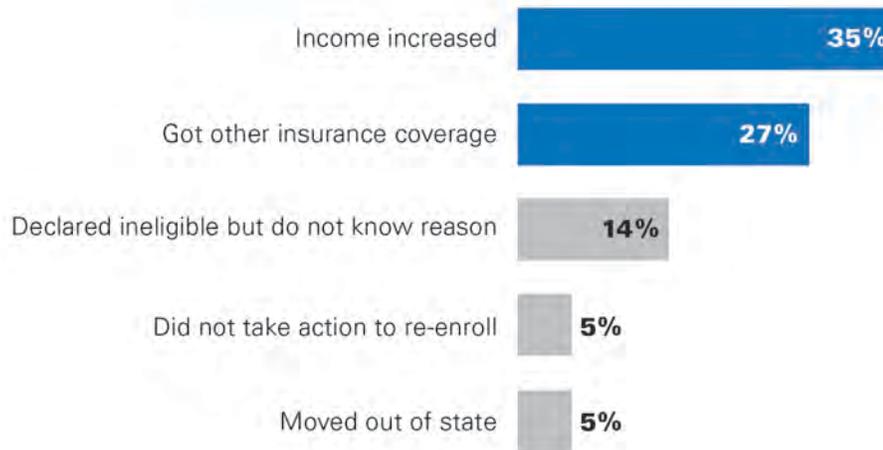
Enrollees age 51-64 were more likely than those age 19-34 to have stayed on HMP/Medicaid (81.0% vs. 68.5%) and enrollees age 19-34 were more likely than those age 51-64 to have churned off and on HMP/Medicaid (14.4% vs. 5.7%) (Appendix B Table 6.1.1). Staying on HMP/Medicaid was more common among women compared to men (77.6% vs. 70.6%), enrollees with a chronic condition compared to those without (76.6% vs. 70.3%), enrollees with a mental health condition and/or substance use disorder compared to those without (77.7% vs. 68.1%), and enrollees who reported needing help reading written materials (sometimes, often, or always) compared to those who never or rarely need help reading written materials (85.5% vs. 72.1%) (Appendix B Table 6.1.1). Enrollees who were Black were more likely than those who were White to have churned off and on HMP/Medicaid (14.6% vs. 6.9%) (Appendix B Table 6.1.1). Enrollees who were employed/self-employed in 2017 or 2018 were more likely than those who were not to have gone off HMP/Medicaid for 6+ months (21.7% vs. 5.2%) (Appendix B Table 6.1.1).

Reasons for disenrollment

Among enrollees who completed the Not Enrolled Survey and whose HMP/Medicaid coverage ended since the 2017 survey, the most commonly reported reasons why their HMP coverage ended* were an income increase (35.2%) and getting other coverage (26.7%); fewer reported that they were declared ineligible but did not know why (Appendix A Table 6.1).

*Respondents were able to provide multiple responses to the survey question.

In 2018, the most common reasons enrollees provided for why their HMP coverage ended was **an income increase** or because they **got other insurance coverage**.



Note: Among those whose HMP/Medicaid coverage ended since the 2017 survey. Respondents were able to provide multiple responses.

Insurance status

At the time of the 2018 survey, 65.4% of enrollees who completed the Not Enrolled Survey and were not enrolled in any Medicaid program reported being insured and 34.6% reported being uninsured (Appendix A Table 6.2). Among those who reported being insured at the time of the 2018 survey, 60.3% reported insurance through a job or union, 17.8% reported insurance purchased by themselves or someone else, 10.6% reported Medicaid, and 8.4% reported Medicare (Appendix A Table 6.2.2).

Among those covered by insurance purchased by themselves or someone else, 79.0% said the insurance was purchased through the marketplace known as Healthcare.gov (Appendix A Table 6.2.2.3). The majority of those who said the insurance was purchased through the marketplace (72.4%) said they or their family member received a subsidy (Appendix A Table 6.2.2.4).

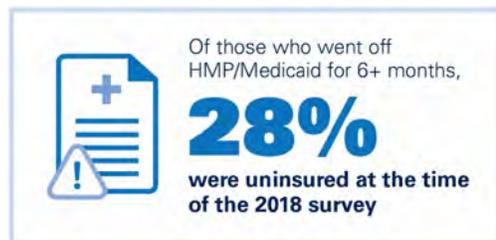
Among those who reported being insured at the time of the 2018 survey, 25.4% said there was a time since their HMP coverage ended or in the past 12 months that they did not have any health insurance (Appendix A Table 6.2.3). Of those, most (74.3%) reported being uninsured for three months or less and the most common reasons* for being without health insurance for a period of time were they had a job but were waiting for the open enrollment period (46.6%) and because it was too expensive (19.0%) (Appendix A Tables 6.2.3.1, 6.2.3.2).

*Respondents were able to provide multiple responses to the survey question.

Among those covered by a private health insurance plan that was in their own name at the time of the survey, 83.2% reported that the health plan has a deductible and more than half of those with an individual plan reported a high deductible (>\$1,300) (Appendix A Tables 6.2.9, 6.2.9.1).

Among those who were uninsured or did not know their insurance status at the time of the 2018 survey, the most commonly reported reasons* for not having health insurance were because it was too expensive (47.9%), they did not get around to it (16.0%), and they had a job but were waiting for the open enrollment period (13.1%) (Appendix A Table 6.2.1.8).

In 2018, nearly half of enrollees who went off HMP/Medicaid for 6+ months (45.1%) had employer-sponsored insurance, 14.2% had other insurance, and 28.4% were uninsured (Appendix B Table 6.1.2).



More than half of enrollees who went off HMP/Medicaid for 6+ months (58.9%) had a period of uninsurance in 2017 or 2018 (Appendix B Table 6.1.3). Among those who churned off and on HMP/Medicaid, 42.8% had a period of uninsurance in 2017 or 2018 (Appendix B Table 6.1.3).

Cost of insurance since HMP coverage ended

Among enrollees who completed the Not Enrolled Survey, nearly half reported that the amount they currently pay for their health care in a typical month is a little (14.5%) or a lot (33.4%) more than what they were paying with their HMP coverage, 36.5% said it is about the same, and 9.7% said it was less (Appendix A Table 6.8). Those who were off HMP/Medicaid for 6+ months were more likely than others to report that the amount they currently pay for their health insurance is a lot more than what they were paying with their HMP coverage (Appendix A Table 6.8).

Among enrollees who completed the Not Enrolled Survey and reported having insurance coverage at the time of the survey (which could include Medicaid), a majority strongly agreed or agreed that the amount they pay now for their health insurance seems fair (68.4%) and is affordable (71.7%) (Appendix A Tables 6.6, 6.7).

Problems paying medical bills since HMP coverage ended

One in four enrollees who completed the Not Enrolled Survey (26.0%) reported having problems paying medical bills since their HMP coverage ended or in the past 12 months (Appendix A Table 6.9). Those who churned off and on HMP/Medicaid and those who were off HMP/Medicaid for 6+ months were more likely than those who stayed on HMP/Medicaid to report problems paying medical bills (Appendix A Table 6.9).

*Respondents were able to provide multiple responses to the survey question.

Among those who reported having problems paying medical bills, 73.1% said their problems paying medical bills have gotten worse since their HMP coverage ended (Appendix A Table 6.9.1).

Worry since HMP coverage ended

Among enrollees who completed the Not Enrolled Survey whose HMP coverage ended since the 2017 survey, nearly half (45.5%) strongly agreed or agreed that they worry more about something bad happening to their health since their HMP coverage ended (Appendix A Table 6.5).

Limitations

The 2018 HMV Second Follow-Up Survey was administered to those who participated in the 2017 HMV Follow-Up Survey and consented to be re-contacted. Out of 3,104 respondents in 2017, 3,070 (98.9%) agreed to be re-contacted. Although our analysis of the potential for non-response bias indicated little difference between those who consented to be re-contacted compared to those who did not, there may be some bias due to sampling only those who consented to follow-up.

As with any survey, some HMV survey responses could be biased due to social desirability, misinterpretation of questions, or limited ability to recall certain events. For example, respondent reports of working on a health behavior goal could reflect a desire not to admit that one did not do so. Recall of counseling about health behaviors may be flawed. However, for many health measures, such as functional status (e.g., days unable to do usual activities) and access (e.g., forgone care), self-report is considered the “gold standard.” As much as possible, we relied on validated measures with neutral wording. In some cases, even validated measures used in national surveys may have been difficult for respondents to understand, particularly if they address unfamiliar activities (e.g., looking for quality information). In addition, measures developed to assess knowledge about specific HMP features do not differentiate respondents’ degree of certainty or their ability to apply that knowledge to their interactions with health care providers or their health plan.

Survey responses were supplemented with claims data from Medicaid records. These data are limited to services enrollees received during periods of enrollment in HMP or in other Medicaid programs; we do not have claims information on utilization for those with private or no insurance coverage after they left HMP.

Claims-derived variables related to mental health diagnoses were defined in order to maximize sensitivity (i.e., broad identification of enrollees with any indication of those conditions) over specificity (i.e., limiting to only those meeting narrow definitions). This decision was based on well-documented access barriers, especially for low-income populations, which contribute to underutilization of mental health services; when that occurs, individuals are less likely to meet claims-based definitions that require multiple events. In using a broad definition, we mitigate the under-identification of conditions related to underutilization of services, and acknowledge

the limitations around the inability to confirm results through validated specifications such as HEDIS.

Bivariate analyses should be interpreted with caution as they may identify relationships between variables that are due to confounding, and small sample sizes may limit the ability to detect statistical associations.

Conclusions

Overall, the findings from this longitudinal panel survey demonstrate that HMP has had a positive impact on the health and well-being of enrollees over time, that enrollees' knowledge of healthy behavior rewards and payment requirements remained low over time, and that those who went off HMP/Medicaid experienced increased rates of forgone care due to financial reasons over time and higher out-of-pocket costs than those who stayed on HMP/Medicaid. Findings from this report on the 2018 HMV Second Follow-Up Survey add to the growing literature about the effects of Medicaid Expansion.¹

Positive impact on health and well-being

Our findings show that Medicaid expansion in Michigan continues to be associated with improvements in health, health behavior, access to care, and well-being.

Health: There were improvements in several markers of health for enrollees between 2016 and 2018:

- The proportion reporting their health status as fair or poor
- The mean number of days that physical health was not good in the preceding 30 days
- The mean number of days that poor physical or mental health limited usual activities in the preceding 30 days

These changes over time were found in (and were sometimes greater in) particularly vulnerable subgroups, including those with chronic conditions, those in the older age groups, and those with a mental health condition or substance use disorder.

Use of health care services: The use of primary care remained high among enrollees. Enrollees who stayed on HMP/Medicaid were more likely to identify a regular source of care compared to their counterparts who went off HMP/Medicaid. The proportion of enrollees who stayed on HMP/Medicaid with one or more low-complexity ER visits decreased from 2016 to 2018, which may reflect both increased access to primary care and a shift in care-seeking behavior away from the ER to primary care.

Health behaviors: Some enrollees reported positive changes in health behaviors. For instance, among enrollees who reported smoking or using tobacco in 2016 or 2017, one in five did not

¹Antonisse, L., Garfield, R., Rudowitz, R., & Guth, M. (2019, August 15). *The effects of Medicaid expansion under the ACA: Updated findings from a literature review*. Retrieved from <https://www.kff.org/medicaid/issue-brief/the-effects-of-medicaid-expansion-under-the-aca-updated-findings-from-a-literature-review-august-2019/>

report smoking or using tobacco in 2018. However, the overall tobacco use rate did not change significantly between 2016 and 2018. Improvement was also noted in other health behaviors, including consumption of fresh fruits, vegetables, sugary drinks, and alcohol. While a substantial proportion – nearly two in three – of those who reported drug use in previous surveys did not report drug use in 2018, the overall proportion of enrollees reporting drug use did not change, indicating that the number who quit may have been replaced by new users.

Employment: Employment and/or student status increased between 2016 and 2018, confirming findings from 2017 about this area of positive impact of HMP. Increases were found in most subgroups including those with lower rates of employment and/or student status, such as enrollees with a chronic condition and those with a mental health condition and/or substance use disorder.

Understanding of HMP coverage and features

Enrollees generally had a good overall understanding of HMP's covered benefits, although more than half of enrollees continue to be unaware that HMP provides coverage for smoking cessation and substance use disorder treatment. Understanding of the healthy behavior rewards associated with HRA completion and payment requirements remained low among enrollees who stayed on HMP, but knowledge about waived copayments remained high.

Most enrollees recalled receiving a MI Health Account statement. The number reporting that information in those statements led them to change their health care decisions increased from 2016 to 2018, a possible sign of improved effectiveness of these communications.

Few enrollees engaged in consumer behaviors and among those who stayed on HMP/Medicaid these behaviors did not change over time.

Health insurance coverage during and after HMP

Of the 2018 HMV Second Follow-Up Survey respondents, about three in four had stayed on HMP/Medicaid, while about one in ten churned off and on HMP/Medicaid, and about one in six had no HMP/Medicaid coverage for an extended period of at least 6 months. These enrollment patterns were associated with employment, health, forgone health and dental care, consumer behaviors, problems paying medical bills, and demographic characteristics, such as age, gender, and race/ethnicity.

Among employed enrollees who reported that their employer(s) offers health insurance, nearly half said the reason they do not have insurance through their job is because it is too expensive, while one in four said they did not work enough hours to be eligible for coverage.

A majority of respondents who went off HMP/Medicaid experienced periods of uninsurance. The impact of the lack of post-HMP insurance coverage is demonstrated by increased rates of forgone care due to financial reasons, higher out-of-pocket costs, and more worries about something bad happening to their health for respondents who were not enrolled in HMP/Medicaid at the time of the 2018 survey.

Recommendations

Longitudinal surveys such as *Healthy Michigan Voices* provide a unique opportunity to assess the long-term impact of Medicaid expansion on health and functional outcomes, particularly those not readily evident in administrative data, such as changes in enrollees' self-reported health behaviors, health status, and employment. Findings may be used by state officials to inform program modifications and communications around incentive structures and other features to maximize health and economic well-being.

Use of primary care continues to be high among individuals who stayed on HMP/Medicaid, while use of the ER decreased. MDHHS should continue its emphasis on primary care and prevention. These features of HMP seem to be contributing to improvements in health and employment and could have a long-term impact on individuals, families, communities, and the state.

While some enrollees appear to have quit using tobacco and drugs while enrolled in HMP, other enrollees have begun or resumed these behaviors. MDHHS should continue to educate HMP enrollees about covered benefits, particularly coverage for smoking cessation and treatment for substance use disorders.

Understanding of the healthy behavior rewards associated with HRA completion and payment requirements remained low among enrollees, but knowledge about waived copayments remained high. MDHHS should consider modifying communications around incentives/requirements for health risk assessments and healthy behaviors, and sending reminders about important program features to enrollees, such as information about some visits, tests, and medicines having no copays. Knowledge will become even more important with new HMP features implemented in 2020.

Few enrollees engaged in consumer behaviors and among those who stayed on HMP/Medicaid these behaviors did not change over time. MDHHS should consider additional strategies beyond the MI Health Account statements to support and encourage informed decision-making about health care services among enrollees.

A majority of respondents who went off HMP/Medicaid experienced periods of uninsurance. MDHHS should communicate potential options for health insurance coverage after HMP/Medicaid enrollment ends to enrollees. Individuals who experience periods of uninsurance have higher rates of forgone care and out-of-pocket costs. Even among those who are employed, employer-sponsored insurance may be unavailable or unaffordable. Finding other coverage after HMP enrollment ends is especially important for those who need long-term treatment for chronic conditions, for whom an exacerbation of their illness could threaten their health and employment.

**2018 Healthy Michigan Voices Second Follow-Up Survey
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6	Aim 6: To understand why enrollees lose or drop HMP coverage and what, if any, source of health insurance coverage they subsequently obtain.	A189
6.1	Q: Why did your Healthy Michigan Plan coverage end?	A190
6.2	Q: Are you currently covered by any kind of health insurance or health care plan?	A191
6.2.1	Q: Did you have health insurance at any time since your Healthy Michigan Plan ended/in the last 12 months?	A192
6.2.1.1	Q: What type of health insurance did you have?	A192
6.2.1.2	Q: Whose job is it?	A192
6.2.1.3	Q: Who purchased it?	A193
6.2.1.4	Q: Was it purchased through the marketplace known as Healthcare.gov?	A193
6.2.1.5	Q: Did [you/they] receive a subsidy?	A193
6.2.1.6	Q: Why did that insurance coverage end?	A194
6.2.1.7	Q: Since your Healthy Michigan Plan insurance ended/in the last 12 months, for how many months were you uninsured?	A194
6.2.1.8	Q: What are the main reasons you currently do not have health insurance?	A195
6.2.2	Q: What type of health insurance do you have?	A195
6.2.2.1	Q: Whose job is it?	A195
6.2.2.2	Q: Who purchased it?	A196
6.2.2.3	Q: Was it purchased through the marketplace known as Healthcare.gov?	A196
6.2.2.4	Q: Did [you/they] receive a subsidy?	A196

6.2.3	Q: Was there any time since your Healthy Michigan Plan insurance ended/in the past 12 months that you didn't have any health insurance?	A197
6.2.3.1	Q: How long were you uninsured?	A198
6.2.3.2	Q: What were the main reasons you were without health insurance for that time?	A198
6.2.4	Q: Is your current health insurance plan in your name or someone else's?	A198
6.2.4.1	Q: What is your relationship to that person?	A199
6.2.5	Q: How much are the health insurance premiums?	A199
6.2.6	Q: How often are the health insurance premiums paid?	A200
6.2.7	All responses: How often are the health insurance premiums paid?	A200
6.2.8	Q: Who is covered under your current health insurance plan?	A200
6.2.9	Q: Does this health plan have a deductible?	A201
6.2.9.1	Q: What is the annual deductible for medical care for this plan? (individual plan)	A201
6.2.9.2	Q: What is the annual deductible for medical care for this plan? (2+ persons covered)	A201
6.3	Q: The amount I paid for the Healthy Michigan Plan seemed fair.	A202
6.4	Q: The amount I paid for the Healthy Michigan Plan was affordable.	A203
6.5	Q: I worry more about something bad happening to my health since my Healthy Michigan Plan insurance ended.	A204
6.6	Q: The amount I pay now for my health insurance seems fair.	A205
6.7	Q: The amount I pay now for my health insurance is affordable.	A206
6.8	Q: Overall, how does the amount you currently pay for your health care in a typical month compare to what you were paying with your Healthy Michigan Plan insurance?	A207
6.9	Q: Since your Healthy Michigan Plan insurance ended/in the past 12 months, have you had problems paying medical bills?	A208
6.9.1	Q: Since your Healthy Michigan insurance ended, have your problems paying medical bills gotten worse, stayed the same, or gotten better?	A209

0 Demographics

0.1 Main demographics table

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Weighted Proportion	95% CI
HMP/Medicaid enrollment pattern (DW)		
Stayed on (n=2,007)	74.2	[72.0, 76.3]
Off for 6+ months (n=398)	16.0	[14.4, 17.8]
Churned off/on (n=203)	9.8	[8.4, 11.5]
FPL category (DW)		
0-35% (n=1,512)	61.7	[59.6, 63.8]
36-99% (n=649)	22.9	[21.1, 24.9]
100%+ (n=447)	15.4	[13.8, 17.0]
Region (DW)		
UP/NW/NE (n=488)	9.0	[8.5, 9.4]
W/E Central/E (n=822)	28.5	[27.5, 29.5]
S Central/SW/SE (n=526)	18.5	[17.6, 19.4]
Detroit Metro (n=772)	44.0	[42.9, 45.1]
Age (DW)		
19-34 (n=736)	39.6	[37.2, 42.1]
35-50 (n=812)	34.5	[32.2, 36.8]
51-64 (n=1,060)	25.9	[24.1, 27.8]
Gender (DW)		
Male (n=1,004)	48.5	[46.1, 50.9]
Female (n=1,604)	51.5	[49.1, 53.9]
Race/ethnicity (2016)		
White, non-Hispanic (n=1,742)	58.7	[56.4, 60.9]
Black, non-Hispanic (n=539)	26.9	[24.8, 29.0]
Hispanic (n=107)	4.5	[3.6, 5.6]
Other, non-Hispanic (n=186)	9.9	[8.4, 11.6]
Race (2016)		
White (n=1,778)	60.0	[57.7, 62.2]
Black or African American (n=542)	27.1	[25.0, 29.2]
Other (n=165)	8.6	[7.2, 10.1]
More than one (n=88)	4.4	[3.4, 5.6]
Race/ethnicity, detailed (2016)		
White (n=1,696)	56.7	[54.4, 58.9]
Black (n=537)	26.8	[24.7, 28.9]
Hispanic (n=105)	4.5	[3.6, 5.6]
Arab/Chaldean (n=106)	6.0	[4.9, 7.4]
Other/more than one (n=130)	6.0	[4.9, 7.4]
Hispanic/Latino (2016)		
Yes (n=107)	4.5	[3.6, 5.6]
No (n=2,472)	95.5	[94.4, 96.4]
Arab/Chaldean/Middle Eastern (2016)		
Yes (n=108)	6.0	[4.9, 7.4]
No (n=2,470)	94.0	[92.6, 95.1]
Survey language		
Arabic (n=23)	1.3	[0.9, 2.1]
English (n=2,574)	98.4	[97.6, 98.9]
Spanish (n=9)	0.3	[0.1, 0.5]

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Marital status		
Married (n=676)	22.1	[20.3, 23.9]
Divorced (n=613)	19.1	[17.4, 20.9]
Widowed (n=112)	2.7	[2.1, 3.4]
Separated (n=84)	2.9	[2.2, 3.8]
Partnered (n=92)	3.9	[3.1, 5.0]
Never married (n=1,019)	49.3	[47.0, 51.7]
Veteran (2016)		
Yes (n=89)	3.9	[3.0, 5.0]
No (n=2,514)	96.1	[95.0, 97.0]
Health status		
Excellent (n=225)	9.9	[8.5, 11.5]
Very good (n=691)	26.8	[24.8, 29.0]
Good (n=995)	37.5	[35.2, 39.8]
Fair (n=532)	19.7	[17.8, 21.6]
Poor (n=162)	6.1	[5.1, 7.4]
Chronic condition (2016, 2017, 2018)		
Yes (n=1,739)	61.7	[59.3, 64.0]
No (n=869)	38.3	[36.0, 40.7]
MH/SUD (2016, 2017, 2018 or DW)		
Yes (n=1,688)	63.4	[61.1, 65.7]
No (n=920)	36.6	[34.3, 38.9]
Number of places lived in past 3 years		
One (n=1,900)	69.4	[67.1, 71.6]
Two (n=478)	20.9	[19.0, 23.0]
Three (n=129)	5.6	[4.6, 6.9]
Four or more (n=86)	4.1	[3.2, 5.2]
Homeless in last 12 months		
Yes (n=120)	5.6	[4.5, 6.8]
No (n=2,482)	94.4	[93.2, 95.5]
Housing instability (2018)		
Yes (n=186)	8.6	[7.3, 10.2]
No (n=2,422)	91.4	[89.8, 92.7]
Need help reading written materials (2016)		
Never/Rarely (n=2,241)	84.7	[82.8, 86.3]
Sometimes/Often/Always (n=364)	15.3	[13.7, 17.2]
Highest level of education (2017)		
Less than high school (n=279)	10.7	[9.4, 12.3]
High school graduate (or equiv.) (n=1,059)	39.8	[37.5, 42.1]
Some college (n=566)	23.2	[21.2, 25.3]
Associate's degree (n=339)	13.1	[11.6, 14.8]
Bachelor's degree (n=278)	10.5	[9.1, 12.0]
Post graduate degree (n=81)	2.7	[2.1, 3.5]
In school		
Yes (n=166)	9.3	[7.8, 10.9]
No (n=2,442)	90.7	[89.1, 92.2]
Employed/self-employed		
Yes (n=1,471)	58.5	[56.2, 60.7]
No (n=1,136)	41.5	[39.3, 43.8]
Employment status, detailed		
Full-time employment (n=639)	27.3	[25.2, 29.5]
Part-time employment (n=792)	29.5	[27.4, 31.6]
Out of work (n=343)	15.7	[14.0, 17.7]
Unable to work (n=526)	18.5	[16.7, 20.3]
Retired (n=215)	4.8	[4.1, 5.7]
Don't know (n=93)	4.2	[3.3, 5.3]

Note: Variables are from the 2018 HMV survey unless otherwise noted.

0.2 Demographics table by HMP/Medicaid enrollment pattern (DW)

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents

	HMP/Medicaid enrollment pattern (DW)							
	Stayed on		Off for 6+ months		Churned off/on		Total	
	Col%	95% CI	Col%	95% CI	Col%	95% CI	Col%	95% CI
FPL category (DW)								
0-35% (n=1,512)	61.3	[58.8, 63.7]	66.2	[60.7, 71.3]	57.8	[49.4, 65.8]	61.7	[59.6, 63.8]
36-99% (n=649)	23.3	[21.2, 25.5]	19.4	[15.3, 24.2]	26.2	[19.6, 34.0]	22.9	[21.1, 24.9]
100%+ (n=447)	15.5	[13.7, 17.4]	14.4	[11.0, 18.6]	16.1	[10.7, 23.4]	15.4	[13.8, 17.0]
Pearson: Uncorrected chi2(4) =	5.9748							
Design-based F(3.91, 10147.43) =	0.9385	Pr =	0.439					
Region (DW)								
UP/NW/NE (n=488)	9.4	[8.7, 10.1]	9.8	[7.7, 12.4]	4.3	[2.7, 6.6]	9.0	[8.5, 9.4]
W/E Central/E (n=822)	28.1	[26.7, 29.6]	29.9	[25.2, 35.1]	29.3	[22.9, 36.8]	28.5	[27.5, 29.5]
S Central/SW/SE (n=526)	18.1	[16.8, 19.4]	19.5	[15.4, 24.2]	20.4	[14.9, 27.2]	18.5	[17.6, 19.4]
Detroit Metro (n=772)	44.4	[42.7, 46.1]	40.8	[35.3, 46.6]	46.0	[38.0, 54.3]	44.0	[42.9, 45.1]
Pearson: Uncorrected chi2(6) =	9.6901							
Design-based F(5.27, 13685.24) =	1.2292	Pr =	0.291					
Age (DW)								
19-34 (n=736)	36.6	[33.9, 39.4]	42.0	[36.2, 48.0]	58.8	[50.6, 66.5]	39.6	[37.2, 42.1]
35-50 (n=812)	35.1	[32.5, 37.8]	36.4	[30.8, 42.4]	26.3	[19.7, 34.2]	34.5	[32.2, 36.8]
51-64 (n=1,060)	28.3	[26.2, 30.5]	21.6	[17.5, 26.3]	14.9	[10.8, 20.3]	25.9	[24.1, 27.8]
Pearson: Uncorrected chi2(4) =	53.7413							
Design-based F(3.85, 9997.75) =	8.9989	Pr =	0.000					
Gender (DW)								
Male (n=1,004)	46.1	[43.4, 48.9]	53.4	[47.5, 59.1]	58.7	[50.6, 66.4]	48.5	[46.1, 50.9]
Female (n=1,604)	53.9	[51.1, 56.6]	46.6	[40.9, 52.5]	41.3	[33.6, 49.4]	51.5	[49.1, 53.9]
Pearson: Uncorrected chi2(2) =	19.0787							
Design-based F(1.99, 5168.59) =	5.9036	Pr =	0.003					
Race/ethnicity (2016)								
White, non-Hispanic (n=1,742)	60.1	[57.5, 62.7]	62.1	[56.0, 67.8]	42.3	[34.5, 50.6]	58.7	[56.4, 60.9]
Black, non-Hispanic (n=539)	25.5	[23.2, 27.9]	25.5	[20.3, 31.4]	39.8	[31.7, 48.4]	26.9	[24.8, 29.0]
Hispanic (n=107)	4.7	[3.6, 6.1]	4.1	[2.4, 7.1]	3.8	[1.7, 8.2]	4.5	[3.6, 5.6]
Other, non-Hispanic (n=186)	9.7	[8.0, 11.6]	8.3	[5.3, 12.8]	14.1	[8.7, 22.0]	9.9	[8.4, 11.6]
Pearson: Uncorrected chi2(6) =	37.3494							
Design-based F(5.72, 14656.49) =	3.7801	Pr =	0.001					
Race (2016)								
White (n=1,778)	61.6	[59.0, 64.2]	63.0	[56.9, 68.7]	43.0	[35.1, 51.2]	60.0	[57.7, 62.2]
Black or African American (n=542)	25.5	[23.2, 28.0]	26.3	[21.1, 32.2]	39.8	[31.7, 48.4]	27.1	[25.0, 29.2]
Other (n=165)	8.8	[7.3, 10.7]	5.9	[3.4, 10.0]	10.8	[6.3, 18.1]	8.6	[7.2, 10.1]
More than one (n=88)	4.0	[3.0, 5.4]	4.8	[2.8, 8.2]	6.4	[3.1, 12.8]	4.4	[3.4, 5.6]
Pearson: Uncorrected chi2(6) =	39.0470							
Design-based F(5.91, 15126.28) =	3.3930	Pr =	0.003					

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Race/ethnicity, detailed (2016)								
White (n=1,696)	58.2	[55.6, 60.8]	59.9	[53.8, 65.7]	39.6	[32.0, 47.7]	56.7	[54.4, 58.9]
Black (n=537)	25.4	[23.1, 27.8]	25.5	[20.3, 31.4]	39.5	[31.4, 48.2]	26.8	[24.7, 28.9]
Hispanic (n=105)	4.7	[3.6, 6.0]	4.1	[2.4, 7.1]	3.8	[1.7, 8.2]	4.5	[3.6, 5.6]
Arab/Chaldean (n=106)	6.2	[4.9, 7.8]	3.7	[1.9, 6.9]	8.7	[4.6, 15.8]	6.0	[4.9, 7.4]
Other/more than one (n=130)	5.6	[4.4, 7.1]	6.9	[4.2, 11.0]	8.4	[4.5, 15.1]	6.0	[4.9, 7.4]
Pearson: Uncorrected chi2(8) =	42.3058							
Design-based F(7.64, 19580.97) =	3.0889	Pr =	0.002					
Hispanic/Latino (2016)								
Yes (n=107)	4.7	[3.6, 6.0]	4.1	[2.4, 7.1]	3.9	[1.8, 8.3]	4.5	[3.6, 5.6]
No (n=2,472)	95.3	[94.0, 96.4]	95.9	[92.9, 97.6]	96.1	[91.7, 98.2]	95.5	[94.4, 96.4]
Pearson: Uncorrected chi2(2) =	0.5099							
Design-based F(1.99, 5116.05) =	0.1674	Pr =	0.845					
Arab/Chaldean/Middle Eastern (2016)								
Yes (n=108)	6.2	[4.9, 7.8]	3.7	[1.9, 6.9]	8.7	[4.6, 15.8]	6.0	[4.9, 7.4]
No (n=2,470)	93.8	[92.2, 95.1]	96.3	[93.1, 98.1]	91.3	[84.2, 95.4]	94.0	[92.6, 95.1]
Pearson: Uncorrected chi2(2) =	7.3605							
Design-based F(1.95, 5008.42) =	1.8366	Pr =	0.160					
Survey language								
Arabic (n=23)	1.5	[0.9, 2.4]	0.2	[0.0, 1.7]	2.3	[0.6, 8.6]	1.3	[0.9, 2.1]
English (n=2,574)	98.3	[97.4, 98.9]	99.4	[97.7, 99.9]	97.1	[91.4, 99.1]	98.4	[97.6, 98.9]
Spanish (n=9)	0.2	[0.1, 0.5]	0.3	[0.0, 2.3]	0.6	[0.1, 2.7]	0.3	[0.1, 0.5]
Pearson: Uncorrected chi2(4) =	7.2005							
Design-based F(3.22, 8358.80) =	1.2274	Pr =	0.298					
Marital status								
Married (n=676)	20.6	[18.7, 22.7]	30.2	[25.2, 35.7]	19.6	[13.8, 27.0]	22.1	[20.3, 23.9]
Divorced (n=613)	20.5	[18.5, 22.7]	17.3	[13.3, 22.1]	11.1	[7.3, 16.5]	19.1	[17.4, 20.9]
Widowed (n=112)	3.1	[2.4, 4.0]	2.0	[1.0, 3.9]	0.8	[0.3, 2.1]	2.7	[2.1, 3.4]
Separated (n=84)	3.1	[2.3, 4.2]	2.2	[1.0, 4.7]	2.7	[1.3, 5.5]	2.9	[2.2, 3.8]
Partnered (n=92)	3.4	[2.6, 4.6]	5.7	[3.4, 9.4]	4.5	[2.1, 9.6]	3.9	[3.1, 5.0]
Never married (n=1,019)	49.2	[46.5, 51.9]	42.7	[36.9, 48.8]	61.3	[53.1, 68.9]	49.3	[47.0, 51.7]
Pearson: Uncorrected chi2(10) =	48.3785							
Design-based F(9.22, 23836.34) =	3.5619	Pr =	0.000					
Veteran (2016)								
Yes (n=89)	4.1	[3.1, 5.5]	2.9	[1.3, 6.3]	3.6	[1.5, 8.6]	3.9	[3.0, 5.0]
No (n=2,514)	95.9	[94.5, 96.9]	97.1	[93.7, 98.7]	96.4	[91.4, 98.5]	96.1	[95.0, 97.0]
Pearson: Uncorrected chi2(2) =	1.4158							
Design-based F(2.00, 5181.20) =	0.3676	Pr =	0.692					
Health status								
Excellent (n=225)	9.7	[8.1, 11.5]	13.2	[9.7, 17.8]	6.2	[3.3, 11.3]	9.9	[8.5, 11.5]
Very good (n=691)	26.3	[23.9, 28.8]	28.3	[23.4, 33.8]	28.6	[21.5, 36.8]	26.8	[24.8, 29.0]
Good (n=995)	37.2	[34.6, 39.9]	38.3	[32.7, 44.3]	38.4	[30.5, 46.8]	37.5	[35.2, 39.8]
Fair (n=532)	19.7	[17.7, 22.0]	16.7	[12.6, 21.8]	23.8	[17.5, 31.6]	19.7	[17.8, 21.6]
Poor (n=162)	7.1	[5.8, 8.7]	3.5	[1.9, 6.2]	3.1	[1.2, 7.9]	6.1	[5.1, 7.4]
Pearson: Uncorrected chi2(8) =	24.8843							
Design-based F(7.90, 20486.90) =	1.8708	Pr =	0.061					

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Chronic condition (2016, 2017, 2018)								
Yes (n=1,739)	63.7	[60.9, 66.3]	54.8	[48.8, 60.7]	57.8	[49.3, 65.9]	61.7	[59.3, 64.0]
No (n=869)	36.3	[33.7, 39.1]	45.2	[39.3, 51.2]	42.2	[34.1, 50.7]	38.3	[36.0, 40.7]
Pearson: Uncorrected chi2(2) =	13.2253							
Design-based F(1.98, 5146.69) =	3.8479	Pr =	0.022					
MH/SUD (2016, 2017, 2018 or DW)								
Yes (n=1,688)	66.3	[63.7, 68.8]	49.8	[43.8, 55.7]	63.5	[55.1, 71.3]	63.4	[61.1, 65.7]
No (n=920)	33.7	[31.2, 36.3]	50.2	[44.3, 56.2]	36.5	[28.7, 44.9]	36.6	[34.3, 38.9]
Pearson: Uncorrected chi2(2) =	40.5006							
Design-based F(1.98, 5140.35) =	11.8920	Pr =	0.000					
Number of places lived in past 3 years								
One (n=1,900)	72.6	[70.0, 75.1]	59.3	[53.3, 65.0]	61.7	[53.1, 69.6]	69.4	[67.1, 71.6]
Two (n=478)	19.2	[17.1, 21.5]	26.1	[21.3, 31.6]	25.1	[18.2, 33.4]	20.9	[19.0, 23.0]
Three (n=129)	4.4	[3.4, 5.6]	10.0	[6.7, 14.6]	8.1	[4.7, 13.6]	5.6	[4.6, 6.9]
Four or more (n=86)	3.8	[2.8, 5.2]	4.6	[2.6, 7.9]	5.1	[2.4, 10.8]	4.1	[3.2, 5.2]
Pearson: Uncorrected chi2(6) =	45.0197							
Design-based F(5.92, 15282.84) =	4.2445	Pr =	0.000					
Homeless in last 12 months								
Yes (n=120)	5.0	[3.9, 6.4]	5.4	[3.1, 9.2]	9.8	[5.8, 16.1]	5.6	[4.5, 6.8]
No (n=2,482)	95.0	[93.6, 96.1]	94.6	[90.8, 96.9]	90.2	[83.9, 94.2]	94.4	[93.2, 95.5]
Pearson: Uncorrected chi2(2) =	9.9132							
Design-based F(2.00, 5177.86) =	2.6888	Pr =	0.068					
Housing instability (2018)								
Yes (n=186)	7.7	[6.3, 9.4]	9.6	[6.4, 14.1]	14.0	[9.0, 21.2]	8.6	[7.3, 10.2]
No (n=2,422)	92.3	[90.6, 93.7]	90.4	[85.9, 93.6]	86.0	[78.8, 91.0]	91.4	[89.8, 92.7]
Pearson: Uncorrected chi2(2) =	11.9268							
Design-based F(1.99, 5178.01) =	3.2080	Pr =	0.041					
Need help reading written materials (2016)								
Never/Rarely (n=2,241)	82.3	[80.1, 84.4]	94.3	[91.2, 96.4]	86.6	[79.4, 91.5]	84.7	[82.8, 86.3]
Sometimes/Often/Always (n=364)	17.7	[15.6, 19.9]	5.7	[3.6, 8.8]	13.4	[8.5, 20.6]	15.3	[13.7, 17.2]
Pearson: Uncorrected chi2(2) =	38.8714							
Design-based F(1.91, 4961.83) =	11.7716	Pr =	0.000					
Highest level of education (2017)								
Less than high school (n=279)	12.5	[10.8, 14.4]	5.2	[3.0, 8.9]	6.8	[3.7, 11.9]	10.7	[9.4, 12.3]
High school graduate (or equiv.) (n=1,059)	41.2	[38.5, 43.9]	35.0	[29.5, 40.9]	36.9	[29.1, 45.4]	39.8	[37.5, 42.1]
Some college (n=566)	23.0	[20.7, 25.5]	22.2	[17.6, 27.5]	26.4	[19.9, 34.2]	23.2	[21.2, 25.3]
Associate's degree (n=339)	12.3	[10.6, 14.2]	13.6	[10.3, 17.8]	18.0	[12.4, 25.5]	13.1	[11.6, 14.8]
Bachelor's degree (n=278)	8.9	[7.4, 10.5]	18.4	[14.3, 23.3]	9.6	[5.7, 15.8]	10.5	[9.1, 12.0]
Post graduate degree (n=81)	2.1	[1.5, 3.0]	5.6	[3.3, 9.4]	2.3	[1.0, 5.0]	2.7	[2.1, 3.5]
Pearson: Uncorrected chi2(10) =	77.6120							
Design-based F(9.75, 25249.08) =	4.8800	Pr =	0.000					
In school								
Yes (n=166)	8.3	[6.8, 10.2]	11.2	[7.7, 16.0]	13.4	[8.5, 20.5]	9.3	[7.8, 10.9]
No (n=2,442)	91.7	[89.8, 93.2]	88.8	[84.0, 92.3]	86.6	[79.5, 91.5]	90.7	[89.1, 92.2]
Pearson: Uncorrected chi2(2) =	9.0806							
Design-based F(2.00, 5186.04) =	2.3384	Pr =	0.097					

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Employed/self-employed								
Yes (n=1,471)	52.3	[49.6, 55.0]	84.3	[79.7, 88.0]	63.1	[54.7, 70.8]	58.5	[56.2, 60.7]
No (n=1,136)	47.7	[45.0, 50.4]	15.7	[12.0, 20.3]	36.9	[29.2, 45.3]	41.5	[39.3, 43.8]
Pearson: Uncorrected chi2(2) =	147.2833							
Design-based F(1.96, 5095.34) =	44.8930	Pr =	0.000					
Employment status, detailed								
Full-time employment (n=639)	20.2	[18.1, 22.5]	59.1	[53.2, 64.7]	29.1	[22.0, 37.3]	27.3	[25.2, 29.5]
Part-time employment (n=792)	30.3	[27.9, 32.9]	24.0	[19.4, 29.3]	31.8	[24.6, 40.0]	29.5	[27.4, 31.6]
Out of work (n=343)	17.4	[15.3, 19.6]	4.8	[2.8, 8.2]	21.3	[14.8, 29.5]	15.7	[14.0, 17.7]
Unable to work (n=526)	21.8	[19.6, 24.1]	6.9	[4.5, 10.4]	12.4	[8.0, 18.7]	18.5	[16.7, 20.3]
Retired (n=215)	5.6	[4.7, 6.7]	2.8	[1.7, 4.5]	2.1	[1.0, 4.2]	4.8	[4.1, 5.7]
Don't know (n=93)	4.7	[3.6, 6.1]	2.4	[1.1, 4.9]	3.4	[1.4, 7.9]	4.2	[3.3, 5.3]
Pearson: Uncorrected chi2(10) =	297.6943							
Design-based F(9.27, 24070.39) =	20.0515	Pr =	0.000					

0.3 Q: In the past 3 years, how many places have you lived for one week or longer (including where you live now)?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	One		Two		Three		Four or more		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)									
Stayed on (n=1,995)	72.6	[70.0, 75.1]	19.2	[17.1, 21.5]	4.4	[3.4, 5.6]	3.8	[2.8, 5.2]	100.0
Off for 6+ months (n=396)	59.3	[53.3, 65.0]	26.1	[21.3, 31.6]	10.0	[6.7, 14.6]	4.6	[2.6, 7.9]	100.0
Churned off/on (n=202)	61.7	[53.1, 69.6]	25.1	[18.2, 33.4]	8.1	[4.7, 13.6]	5.1	[2.4, 10.8]	100.0
Pearson: Uncorrected chi2(6) =	45.0197								
Design-based F(5.92, 15282.84) =	4.2445	Pr =	0.000						
Age (DW)									
19-34 (n=733)	60.2	[56.0, 64.2]	27.7	[24.1, 31.6]	7.1	[5.3, 9.4]	5.1	[3.5, 7.4]	100.0
35-50 (n=805)	72.1	[68.2, 75.8]	18.5	[15.5, 22.0]	5.3	[3.6, 7.6]	4.1	[2.7, 6.2]	100.0
51-64 (n=1,055)	79.9	[76.7, 82.8]	13.7	[11.3, 16.4]	3.9	[2.6, 5.8]	2.5	[1.6, 4.0]	100.0
Pearson: Uncorrected chi2(6) =	80.0833								
Design-based F(5.74, 14824.40) =	8.9591	Pr =	0.000						
Gender (DW)									
Male (n=999)	68.9	[65.3, 72.3]	20.1	[17.2, 23.4]	6.2	[4.6, 8.3]	4.8	[3.3, 6.8]	100.0
Female (n=1,594)	69.9	[67.0, 72.6]	21.6	[19.1, 24.3]	5.1	[3.9, 6.6]	3.4	[2.4, 4.8]	100.0
Pearson: Uncorrected chi2(3) =	5.1256								
Design-based F(3.00, 7731.73) =	1.0383	Pr =	0.374						
Race/ethnicity, detailed (2016)									
White (n=1,687)	69.6	[66.7, 72.4]	20.7	[18.4, 23.3]	6.0	[4.7, 7.7]	3.6	[2.5, 5.1]	100.0
Black (n=532)	69.1	[64.2, 73.7]	22.2	[18.2, 26.9]	4.1	[2.6, 6.5]	4.6	[2.9, 7.3]	100.0
Hispanic (n=105)	63.9	[52.3, 74.1]	24.9	[16.1, 36.4]	5.7	[2.3, 13.5]	5.5	[2.3, 12.7]	100.0
Arab/Chaldean (n=106)	78.0	[67.7, 85.8]	16.8	[10.2, 26.6]	3.9	[1.3, 11.4]	1.2	[0.2, 8.3]	100.0
Other/more than one (n=129)	64.6	[53.5, 74.3]	16.6	[10.1, 26.1]	9.7	[4.4, 19.9]	9.1	[4.4, 18.1]	100.0
Pearson: Uncorrected chi2(12) =	29.6410								
Design-based F(11.74, 29895.75) =	1.3666	Pr =	0.176						
FPL category (DW)									
0-35% (n=1,500)	70.0	[67.0, 72.8]	19.1	[16.7, 21.7]	6.5	[5.1, 8.3]	4.4	[3.2, 6.0]	100.0
36-99% (n=647)	66.8	[62.0, 71.3]	25.6	[21.5, 30.2]	4.6	[2.9, 7.2]	3.0	[1.6, 5.5]	100.0
100%+ (n=446)	71.0	[65.4, 76.0]	21.0	[16.6, 26.3]	3.5	[2.0, 5.8]	4.5	[2.5, 8.1]	100.0
Pearson: Uncorrected chi2(6) =	18.7096								
Design-based F(5.87, 15160.64) =	2.0118	Pr =	0.062						
Region (DW)									
UP/NW/NE (n=486)	73.7	[68.7, 78.2]	19.3	[15.3, 24.0]	4.5	[2.7, 7.2]	2.5	[1.4, 4.5]	100.0
W/E Central/E (n=816)	71.5	[67.6, 75.1]	18.3	[15.3, 21.7]	5.6	[3.9, 7.9]	4.7	[3.1, 6.9]	100.0
S Central/SW/SE (n=524)	62.0	[56.8, 67.0]	25.4	[21.0, 30.3]	8.9	[6.2, 12.6]	3.7	[2.1, 6.4]	100.0
Detroit Metro (n=767)	70.3	[66.3, 74.0]	21.0	[17.8, 24.6]	4.5	[3.0, 6.6]	4.2	[2.7, 6.4]	100.0
Pearson: Uncorrected chi2(9) =	27.1439								
Design-based F(8.01, 20679.07) =	2.2690	Pr =	0.020						
Chronic condition (2016, 2017, 2018)									
Yes (n=1,728)	70.2	[67.3, 72.9]	20.1	[17.7, 22.6]	5.0	[3.8, 6.5]	4.8	[3.5, 6.4]	100.0
No (n=865)	68.2	[64.3, 71.8]	22.2	[19.0, 25.8]	6.6	[4.9, 8.9]	3.0	[1.8, 4.8]	100.0
Pearson: Uncorrected chi2(3) =	9.4660								
Design-based F(2.99, 7713.00) =	1.8496	Pr =	0.136						
MH/SUD (2016, 2017, 2018 or DW)									
Yes (n=1,679)	67.0	[64.1, 69.8]	22.1	[19.7, 24.8]	6.0	[4.8, 7.6]	4.8	[3.6, 6.4]	100.0
No (n=914)	73.6	[69.8, 77.1]	18.7	[15.7, 22.2]	4.9	[3.3, 7.1]	2.8	[1.6, 4.7]	100.0
Pearson: Uncorrected chi2(3) =	14.8119								
Design-based F(2.99, 7719.09) =	2.8012	Pr =	0.039						
Total (n=2,593)	69.4	[67.1, 71.6]	20.9	[19.0, 23.0]	5.6	[4.6, 6.9]	4.1	[3.2, 5.2]	100.0

Note: Total n is less than universe N due to item non-response.

0.4 Q: Have you been homeless at any time in the last 12 months?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Homeless in last 12 months				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=2,002)	5.0	[3.9, 6.4]	95.0	[93.6, 96.1]	100.0
Off for 6+ months (n=397)	5.4	[3.1, 9.2]	94.6	[90.8, 96.9]	100.0
Churned off/on (n=203)	9.8	[5.8, 16.1]	90.2	[83.9, 94.2]	100.0
Pearson: Uncorrected chi2(2) =	9.9132				
Design-based F(2.00, 5177.86) =	2.6888	Pr =	0.068		
Age (DW)					
19-34 (n=734)	5.1	[3.5, 7.5]	94.9	[92.5, 96.5]	100.0
35-50 (n=810)	6.2	[4.5, 8.6]	93.8	[91.4, 95.5]	100.0
51-64 (n=1,058)	5.4	[3.8, 7.6]	94.6	[92.4, 96.2]	100.0
Pearson: Uncorrected chi2(2) =	1.1363				
Design-based F(1.96, 5065.90) =	0.3461	Pr =	0.703		
Gender (DW)					
Male (n=1,002)	7.1	[5.3, 9.4]	92.9	[90.6, 94.7]	100.0
Female (n=1,600)	4.1	[3.1, 5.5]	95.9	[94.5, 96.9]	100.0
Pearson: Uncorrected chi2(1) =	10.8257				
Design-based F(1.00, 2590.00) =	7.1325	Pr =	0.008		
Race/ethnicity, detailed (2016)					
White (n=1,692)	4.6	[3.4, 6.2]	95.4	[93.8, 96.6]	100.0
Black (n=535)	6.8	[4.6, 9.9]	93.2	[90.1, 95.4]	100.0
Hispanic (n=105)	4.6	[1.8, 11.6]	95.4	[88.4, 98.2]	100.0
Arab/Chaldean (n=106)	1.4	[0.3, 6.7]	98.6	[93.3, 99.7]	100.0
Other/more than one (n=130)	13.3	[7.6, 22.3]	86.7	[77.7, 92.4]	100.0
Pearson: Uncorrected chi2(4) =	27.3628				
Design-based F(3.93, 10048.83) =	4.2782	Pr =	0.002		
FPL category (DW)					
0-35% (n=1,506)	6.4	[5.0, 8.1]	93.6	[91.9, 95.0]	100.0
36-99% (n=649)	5.0	[3.1, 8.0]	95.0	[92.0, 96.9]	100.0
100%+ (n=447)	3.3	[1.7, 6.0]	96.7	[94.0, 98.3]	100.0
Pearson: Uncorrected chi2(2) =	6.4008				
Design-based F(1.97, 5091.83) =	1.9821	Pr =	0.139		
Region (DW)					
UP/NW/NE (n=487)	2.9	[1.6, 5.0]	97.1	[95.0, 98.4]	100.0
W/E Central/E (n=819)	5.9	[4.2, 8.2]	94.1	[91.8, 95.8]	100.0
S Central/SW/SE (n=526)	6.7	[4.3, 10.1]	93.3	[89.9, 95.7]	100.0
Detroit Metro (n=770)	5.4	[3.8, 7.7]	94.6	[92.3, 96.2]	100.0
Pearson: Uncorrected chi2(3) =	4.5117				
Design-based F(2.59, 6711.89) =	1.1490	Pr =	0.325		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,734)	6.5	[5.1, 8.2]	93.5	[91.8, 94.9]	100.0
No (n=868)	4.1	[2.7, 6.1]	95.9	[93.9, 97.3]	100.0
Pearson: Uncorrected chi2(1) =	6.8212				
Design-based F(1.00, 2590.00) =	3.8894	Pr =	0.049		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,683)	7.4	[5.9, 9.2]	92.6	[90.8, 94.1]	100.0
No (n=919)	2.5	[1.5, 4.1]	97.5	[95.9, 98.5]	100.0
Pearson: Uncorrected chi2(1) =	27.6960				
Design-based F(1.00, 2590.00) =	16.3613	Pr =	0.000		
Total (n=2,602)	5.6	[4.5, 6.8]	94.4	[93.2, 95.5]	100.0

Note: Total n is less than universe N due to item non-response.

0.5 Q: Are you currently a Michigan resident?

Follow-up groups(s): Not Enrolled

Universe: All respondents (N=986)

	Michigan resident				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=512)	97.3	[94.8, 98.6]	2.7	[1.4, 5.2]	100.0
Off for 6+ months (n=395)	90.7	[86.9, 93.4]	9.3	[6.6, 13.1]	100.0
Churned off/on (n=78)	98.7	[91.4, 99.8]	1.3	[0.2, 8.6]	100.0
Pearson: Uncorrected chi2(2) =	22.5567				
Design-based F(1.99, 1934.80) =	8.4164	Pr =	0.000		
Age (DW)					
19-34 (n=303)	94.4	[91.5, 96.4]	5.6	[3.6, 8.5]	100.0
35-50 (n=296)	94.9	[91.2, 97.1]	5.1	[2.9, 8.8]	100.0
51-64 (n=386)	94.8	[90.2, 97.3]	5.2	[2.7, 9.8]	100.0
Pearson: Uncorrected chi2(2) =	0.0910				
Design-based F(1.99, 1936.54) =	0.0333	Pr =	0.967		
Gender (DW)					
Male (n=384)	95.4	[92.4, 97.3]	4.6	[2.7, 7.6]	100.0
Female (n=601)	94.0	[91.3, 95.8]	6.0	[4.2, 8.7]	100.0
Pearson: Uncorrected chi2(1) =	1.0226				
Design-based F(1.00, 973.00) =	0.7480	Pr =	0.387		
Race/ethnicity, detailed (2016)					
White (n=633)	94.7	[92.1, 96.5]	5.3	[3.5, 7.9]	100.0
Black (n=204)	97.1	[94.3, 98.5]	2.9	[1.5, 5.7]	100.0
Hispanic (n=45)	87.4	[73.5, 94.5]	12.6	[5.5, 26.5]	100.0
Arab/Chaldean (n=35)	89.5	[69.3, 97.0]	10.5	[3.0, 30.7]	100.0
Other/more than one (n=53)	95.7	[80.4, 99.2]	4.3	[0.8, 19.6]	100.0
Pearson: Uncorrected chi2(4) =	11.1074				
Design-based F(3.74, 3587.36) =	1.8720	Pr =	0.117		
FPL category (DW)					
0-35% (n=711)	96.1	[93.9, 97.6]	3.9	[2.4, 6.1]	100.0
36-99% (n=174)	92.0	[86.8, 95.2]	8.0	[4.8, 13.2]	100.0
100%+ (n=100)	88.3	[79.6, 93.6]	11.7	[6.4, 20.4]	100.0
Pearson: Uncorrected chi2(2) =	13.1896				
Design-based F(1.98, 1925.85) =	5.5966	Pr =	0.004		
Region (DW)					
UP/NW/NE (n=192)	93.6	[86.8, 97.0]	6.4	[3.0, 13.2]	100.0
W/E Central/E (n=283)	95.2	[91.9, 97.2]	4.8	[2.8, 8.1]	100.0
S Central/SW/SE (n=206)	90.7	[84.8, 94.5]	9.3	[5.5, 15.2]	100.0
Detroit Metro (n=304)	96.3	[93.0, 98.0]	3.7	[2.0, 7.0]	100.0
Pearson: Uncorrected chi2(3) =	8.4775				
Design-based F(2.88, 2799.14) =	2.3060	Pr =	0.078		
Chronic condition (2016, 2017, 2018)					
Yes (n=645)	94.9	[92.4, 96.7]	5.1	[3.3, 7.6]	100.0
No (n=340)	94.2	[91.1, 96.3]	5.8	[3.7, 8.9]	100.0
Pearson: Uncorrected chi2(1) =	0.2344				
Design-based F(1.00, 973.00) =	0.1821	Pr =	0.670		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=634)	94.2	[91.7, 96.1]	5.8	[3.9, 8.3]	100.0
No (n=351)	95.3	[92.3, 97.2]	4.7	[2.8, 7.7]	100.0
Pearson: Uncorrected chi2(1) =	0.5306				
Design-based F(1.00, 973.00) =	0.4117	Pr =	0.521		
Total (n=985)	94.7	[92.8, 96.1]	5.3	[3.9, 7.2]	100.0

Note: Total n is less than universe N due to item non-response.

0.6 Q: What is the highest grade of school you have completed, or the highest degree you have received?

Follow-up group(s): Enrolled
 Universe: All respondents (N=1,622)

	Highest level of education												Total Row %
	Less than high school		High school graduate (or equiv.)		Some college		Associate's degree		Bachelor's degree		Post graduate degree		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)													
Stayed on (n=1,492)	11.0	[9.2, 13.1]	40.3	[37.2, 43.4]	21.2	[18.6, 24.0]	14.6	[12.5, 17.1]	10.7	[8.8, 12.9]	2.3	[1.5, 3.3]	100.0
Churned off/on (n=125)	12.4	[6.5, 22.1]	36.9	[27.3, 47.7]	19.2	[12.1, 29.0]	17.3	[10.8, 26.3]	11.6	[6.3, 20.3]	2.7	[1.0, 6.8]	100.0
Pearson: Uncorrected chi2(5) =	1.7990												
Design-based F(4.79, 7684.51) =	0.2077	Pr =	0.955										
Age (DW)													
19-34 (n=431)	8.4	[5.8, 11.9]	34.1	[29.1, 39.5]	24.2	[19.8, 29.3]	17.9	[14.2, 22.4]	12.4	[9.2, 16.6]	2.9	[1.7, 5.1]	100.0
35-50 (n=516)	14.7	[11.3, 18.9]	41.0	[36.0, 46.2]	19.1	[15.3, 23.6]	12.8	[9.7, 16.9]	10.6	[7.7, 14.4]	1.7	[0.8, 3.5]	100.0
51-64 (n=673)	10.2	[7.8, 13.3]	46.7	[42.1, 51.4]	19.0	[15.4, 23.2]	13.1	[10.2, 16.6]	8.4	[6.3, 11.2]	2.5	[1.4, 4.5]	100.0
Pearson: Uncorrected chi2(10) =	38.5397												
Design-based F(9.48, 15244.58) =	2.6997	Pr =	0.003										
Gender (DW)													
Male (n=619)	12.1	[9.3, 15.5]	40.0	[35.5, 44.7]	19.4	[15.8, 23.6]	14.6	[11.4, 18.4]	12.1	[9.3, 15.7]	1.8	[1.0, 3.3]	100.0
Female (n=1,001)	10.2	[8.1, 12.7]	39.7	[36.0, 43.5]	22.7	[19.4, 26.2]	15.1	[12.6, 18.0]	9.4	[7.4, 11.9]	3.0	[1.9, 4.6]	100.0
Pearson: Uncorrected chi2(5) =	8.3528												
Design-based F(4.96, 7970.80) =	1.0831	Pr =	0.367										
Race/ethnicity, detailed (2016)													
White (n=1,061)	9.5	[7.5, 11.9]	41.0	[37.4, 44.8]	20.0	[17.0, 23.3]	15.6	[13.0, 18.6]	11.7	[9.4, 14.6]	2.1	[1.3, 3.5]	100.0
Black (n=333)	12.2	[8.5, 17.2]	43.7	[37.4, 50.1]	23.4	[18.3, 29.4]	11.4	[8.0, 15.8]	6.8	[4.2, 10.8]	2.6	[1.3, 5.1]	100.0
Hispanic (n=60)	15.5	[8.5, 26.4]	31.8	[19.3, 47.5]	23.4	[13.4, 37.7]	10.4	[3.1, 29.7]	14.0	[6.7, 27.1]	4.9	[1.2, 18.0]	100.0
Arab/Chaldean (n=70)	12.0	[5.5, 24.0]	29.8	[18.9, 43.6]	21.7	[11.8, 36.4]	17.8	[10.0, 29.6]	17.0	[9.7, 28.1]	1.7	[0.4, 7.3]	100.0
Other/more than one (n=77)	14.9	[7.5, 27.3]	32.7	[21.8, 45.8]	19.7	[10.6, 33.8]	21.7	[11.8, 36.3]	7.6	[2.5, 20.7]	3.5	[1.1, 10.6]	100.0
Pearson: Uncorrected chi2(20) =	37.6077												
Design-based F(18.81, 29891.49) =	1.0841	Pr =	0.360										
FPL category (DW)													
0-35% (n=800)	12.8	[10.2, 15.9]	40.0	[35.9, 44.3]	21.3	[17.9, 25.1]	14.1	[11.3, 17.4]	9.9	[7.5, 12.8]	2.0	[1.1, 3.4]	100.0
36-99% (n=473)	9.2	[6.5, 13.0]	40.5	[35.0, 46.2]	20.5	[16.3, 25.5]	14.5	[11.0, 18.8]	11.8	[8.5, 16.2]	3.5	[1.9, 6.2]	100.0
100%+ (n=347)	8.8	[5.6, 13.7]	38.3	[32.4, 44.7]	21.2	[15.9, 27.6]	17.8	[13.2, 23.5]	11.8	[8.1, 16.8]	2.1	[1.0, 4.3]	100.0
Pearson: Uncorrected chi2(10) =	11.7239												
Design-based F(9.81, 15781.47) =	0.8066	Pr =	0.620										
Region (DW)													
UP/NW/NE (n=296)	8.3	[5.0, 13.4]	48.1	[41.5, 54.8]	16.9	[12.8, 22.1]	15.5	[11.5, 20.5]	9.9	[6.4, 14.8]	1.3	[0.5, 3.1]	100.0
W/E Central/E (n=538)	10.5	[8.0, 13.7]	40.9	[36.1, 45.9]	21.0	[17.1, 25.4]	14.9	[11.6, 18.9]	10.4	[7.6, 14.2]	2.3	[1.3, 4.0]	100.0
S Central/SW/SE (n=320)	10.7	[7.1, 15.7]	40.5	[34.3, 47.0]	20.8	[15.7, 27.1]	14.4	[10.2, 20.0]	11.3	[7.8, 16.1]	2.3	[1.0, 5.0]	100.0
Detroit Metro (n=466)	12.2	[9.1, 16.0]	37.2	[32.3, 42.5]	22.0	[17.8, 26.8]	14.9	[11.6, 19.1]	10.9	[8.0, 14.7]	2.7	[1.6, 4.8]	100.0
Pearson: Uncorrected chi2(15) =	8.5089												
Design-based F(13.19, 21204.77) =	0.4746	Pr =	0.941										
Chronic condition (2016, 2017, 2018)													
Yes (n=1,092)	12.0	[9.8, 14.7]	41.3	[37.7, 45.1]	21.7	[18.7, 25.1]	14.6	[12.1, 17.5]	8.4	[6.5, 10.8]	1.9	[1.2, 3.2]	100.0
No (n=528)	9.6	[6.9, 13.1]	37.3	[32.5, 42.5]	19.9	[16.0, 24.6]	15.4	[12.0, 19.5]	14.6	[11.3, 18.8]	3.2	[1.9, 5.2]	100.0
Pearson: Uncorrected chi2(5) =	20.3403												
Design-based F(4.95, 7967.30) =	2.5595	Pr =	0.026										
MH/SUD (2016, 2017, 2018 or DW)													
Yes (n=1,053)	12.1	[9.9, 14.7]	39.8	[36.2, 43.5]	22.7	[19.6, 26.2]	15.5	[13.0, 18.5]	8.3	[6.4, 10.7]	1.6	[0.9, 2.7]	100.0
No (n=567)	9.3	[6.5, 13.0]	39.9	[35.0, 45.1]	18.1	[14.4, 22.5]	13.6	[10.4, 17.7]	15.2	[11.8, 19.3]	3.9	[2.5, 6.1]	100.0
Pearson: Uncorrected chi2(5) =	31.5908												
Design-based F(4.96, 7974.48) =	3.9994	Pr =	0.001										
Total (n=1,620)	11.1	[9.3, 13.2]	39.8	[36.9, 42.8]	21.1	[18.6, 23.8]	14.9	[12.8, 17.2]	10.8	[9.0, 12.8]	2.4	[1.7, 3.4]	100.0

Note: Total n is less than universe N due to item non-response.

0.7 Q: Are you currently in school?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Yes		In school		Total Row %
	Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=2,007)	8.3	[6.8, 10.2]	91.7	[89.8, 93.2]	100.0
Off for 6+ months (n=398)	11.2	[7.7, 16.0]	88.8	[84.0, 92.3]	100.0
Churned off/on (n=203)	13.4	[8.5, 20.5]	86.6	[79.5, 91.5]	100.0
Pearson: Uncorrected chi2(2) =	9.0806				
Design-based F(2.00, 5186.04) =	2.3384	Pr =	0.097		
Age (DW)					
19-34 (n=736)	19.3	[16.1, 22.9]	80.7	[77.1, 83.9]	100.0
35-50 (n=812)	4.2	[2.8, 6.3]	95.8	[93.7, 97.2]	100.0
51-64 (n=1,060)	0.6	[0.3, 1.3]	99.4	[98.7, 99.7]	100.0
Pearson: Uncorrected chi2(2) =	210.5611				
Design-based F(1.60, 4148.95) =	90.3186	Pr =	0.000		
Gender (DW)					
Male (n=1,004)	8.8	[6.7, 11.5]	91.2	[88.5, 93.3]	100.0
Female (n=1,604)	9.7	[7.9, 11.8]	90.3	[88.2, 92.1]	100.0
Pearson: Uncorrected chi2(1) =	0.5548				
Design-based F(1.00, 2596.00) =	0.2816	Pr =	0.596		
Race/ethnicity, detailed (2016)					
White (n=1,696)	6.1	[4.7, 7.9]	93.9	[92.1, 95.3]	100.0
Black (n=537)	9.4	[6.8, 13.0]	90.6	[87.0, 93.2]	100.0
Hispanic (n=105)	16.6	[9.1, 28.4]	83.4	[71.6, 90.9]	100.0
Arab/Chaldean (n=106)	27.4	[18.5, 38.5]	72.6	[61.5, 81.5]	100.0
Other/more than one (n=130)	15.1	[8.2, 26.2]	84.9	[73.8, 91.8]	100.0
Pearson: Uncorrected chi2(4) =	90.7271				
Design-based F(3.95, 10116.58) =	11.0308	Pr =	0.000		
FPL category (DW)					
0-35% (n=1,512)	7.9	[6.2, 10.0]	92.1	[90.0, 93.8]	100.0
36-99% (n=649)	12.1	[9.1, 15.9]	87.9	[84.1, 90.9]	100.0
100%+ (n=447)	10.6	[7.2, 15.3]	89.4	[84.7, 92.8]	100.0
Pearson: Uncorrected chi2(2) =	10.0374				
Design-based F(2.00, 5181.83) =	2.7538	Pr =	0.064		
Region (DW)					
UP/NW/NE (n=488)	2.8	[1.5, 5.4]	97.2	[94.6, 98.5]	100.0
W/E Central/E (n=822)	5.8	[4.1, 8.2]	94.2	[91.8, 95.9]	100.0
S Central/SW/SE (n=526)	10.6	[7.5, 14.8]	89.4	[85.2, 92.5]	100.0
Detroit Metro (n=772)	12.2	[9.7, 15.3]	87.8	[84.7, 90.3]	100.0
Pearson: Uncorrected chi2(3) =	34.9618				
Design-based F(2.71, 7027.36) =	8.3999	Pr =	0.000		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,739)	6.1	[4.7, 8.0]	93.9	[92.0, 95.3]	100.0
No (n=869)	14.3	[11.6, 17.5]	85.7	[82.5, 88.4]	100.0
Pearson: Uncorrected chi2(1) =	48.8837				
Design-based F(1.00, 2596.00) =	25.5302	Pr =	0.000		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,688)	8.0	[6.4, 10.0]	92.0	[90.0, 93.6]	100.0
No (n=920)	11.5	[9.0, 14.6]	88.5	[85.4, 91.0]	100.0
Pearson: Uncorrected chi2(1) =	8.8676				
Design-based F(1.00, 2596.00) =	4.6072	Pr =	0.032		
Total (n=2,608)	9.3	[7.8, 10.9]	90.7	[89.1, 92.2]	100.0

0.7.1 Q: Are you a full-time or part-time student?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were in school (N=166)

	Student status				Total Row %
	Full-time Row %	95% CI	Part-time Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=109)	58.7	[48.0, 68.7]	41.3	[31.3, 52.0]	100.0
Off for 6+ months (n=32)	50.7	[31.3, 69.9]	49.3	[30.1, 68.7]	100.0
Churned off/on (n=23)	62.8	[38.2, 82.2]	37.2	[17.8, 61.8]	100.0
Pearson: Uncorrected chi2(2) =	0.9338				
Design-based F(2.00, 303.51) =	0.3450	Pr =	0.708		
Age (DW)					
19-34 (n=124)	61.1	[50.9, 70.3]	38.9	[29.7, 49.1]	100.0
35-50 (n=31)	42.5	[23.9, 63.6]	57.5	[36.4, 76.1]	100.0
51-64 (n=9)	37.5	[11.7, 73.0]	62.5	[27.0, 88.3]	100.0
Pearson: Uncorrected chi2(2) =	3.5244				
Design-based F(1.61, 245.26) =	2.1464	Pr =	0.129		
Gender (DW)					
Male (n=59)	66.3	[51.5, 78.5]	33.7	[21.5, 48.5]	100.0
Female (n=105)	50.3	[39.2, 61.3]	49.7	[38.7, 60.8]	100.0
Pearson: Uncorrected chi2(1) =	4.3109				
Design-based F(1.00, 152.00) =	3.0082	Pr =	0.085		
Race/ethnicity, detailed (2016)					
White (n=72)	61.6	[47.8, 73.7]	38.4	[26.3, 52.2]	100.0
Black (n=44)	62.8	[45.8, 77.2]	37.2	[22.8, 54.2]	100.0
Hispanic (n=11)	42.3	[16.1, 73.8]	57.7	[26.2, 83.9]	100.0
Arab/Chaldean (n=26)	46.5	[25.9, 68.3]	53.5	[31.7, 74.1]	100.0
Other/more than one (n=10)	67.5	[34.5, 89.1]	32.5	[10.9, 65.5]	100.0
Pearson: Uncorrected chi2(4) =	4.2424				
Design-based F(3.95, 596.19) =	0.7289	Pr =	0.571		
FPL category (DW)					
0-35% (n=79)	57.7	[44.8, 69.7]	42.3	[30.3, 55.2]	100.0
36-99% (n=55)	50.9	[35.9, 65.7]	49.1	[34.3, 64.1]	100.0
100%+ (n=30)	69.4	[49.6, 83.9]	30.6	[16.1, 50.4]	100.0
Pearson: Uncorrected chi2(2) =	2.5412				
Design-based F(1.99, 301.93) =	1.0572	Pr =	0.348		
Region (DW)					
UP/NW/NE (n=11)	66.3	[27.2, 91.2]	33.7	[8.8, 72.8]	100.0
W/E Central/E (n=39)	57.6	[39.3, 74.0]	42.4	[26.0, 60.7]	100.0
S Central/SW/SE (n=38)	60.6	[42.1, 76.5]	39.4	[23.5, 57.9]	100.0
Detroit Metro (n=76)	56.3	[43.8, 68.1]	43.7	[31.9, 56.2]	100.0
Pearson: Uncorrected chi2(3) =	0.3303				
Design-based F(2.85, 433.77) =	0.1070	Pr =	0.950		
Chronic condition (2016, 2017, 2018)					
Yes (n=69)	57.4	[43.4, 70.4]	42.6	[29.6, 56.6]	100.0
No (n=95)	58.0	[46.2, 68.9]	42.0	[31.1, 53.8]	100.0
Pearson: Uncorrected chi2(1) =	0.0046				
Design-based F(1.00, 152.00) =	0.0034	Pr =	0.954		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=93)	48.7	[37.0, 60.5]	51.3	[39.5, 63.0]	100.0
No (n=71)	68.8	[55.6, 79.4]	31.2	[20.6, 44.4]	100.0
Pearson: Uncorrected chi2(1) =	6.7137				
Design-based F(1.00, 152.00) =	5.2673	Pr =	0.023		
Total (n=164)	57.7	[48.8, 66.2]	42.3	[33.8, 51.2]	100.0

Note: Total n is less than universe N due to item non-response.

0.8 Q: Are you currently employed or self-employed?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Employed/self-employed				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=2,007)	52.3	[49.6, 55.0]	47.7	[45.0, 50.4]	100.0
Off for 6+ months (n=397)	84.3	[79.7, 88.0]	15.7	[12.0, 20.3]	100.0
Churned off/on (n=203)	63.1	[54.7, 70.8]	36.9	[29.2, 45.3]	100.0
Pearson: Uncorrected chi2(2) =	147.2833				
Design-based F(1.96, 5095.34) =	44.8930	Pr =	0.000		
Age (DW)					
19-34 (n=735)	70.6	[66.6, 74.4]	29.4	[25.6, 33.4]	100.0
35-50 (n=812)	58.3	[54.1, 62.3]	41.7	[37.7, 45.9]	100.0
51-64 (n=1,060)	40.2	[36.6, 43.9]	59.8	[56.1, 63.4]	100.0
Pearson: Uncorrected chi2(2) =	156.3147				
Design-based F(1.92, 4981.33) =	51.8383	Pr =	0.000		
Gender (DW)					
Male (n=1,004)	58.1	[54.4, 61.7]	41.9	[38.3, 45.6]	100.0
Female (n=1,603)	58.8	[55.8, 61.7]	41.2	[38.3, 44.2]	100.0
Pearson: Uncorrected chi2(1) =	0.1267				
Design-based F(1.00, 2595.00) =	0.0811	Pr =	0.776		
Race/ethnicity, detailed (2016)					
White (n=1,695)	58.0	[55.1, 60.9]	42.0	[39.1, 44.9]	100.0
Black (n=537)	57.9	[52.9, 62.7]	42.1	[37.3, 47.1]	100.0
Hispanic (n=105)	65.8	[54.6, 75.4]	34.2	[24.6, 45.4]	100.0
Arab/Chaldean (n=106)	64.6	[53.5, 74.3]	35.4	[25.7, 46.5]	100.0
Other/more than one (n=130)	61.9	[51.4, 71.4]	38.1	[28.6, 48.6]	100.0
Pearson: Uncorrected chi2(4) =	5.7041				
Design-based F(3.96, 10134.72) =	0.8346	Pr =	0.502		
FPL category (DW)					
0-35% (n=1,511)	48.1	[45.0, 51.2]	51.9	[48.8, 55.0]	100.0
36-99% (n=649)	71.8	[67.3, 76.0]	28.2	[24.0, 32.7]	100.0
100%+ (n=447)	80.1	[75.3, 84.2]	19.9	[15.8, 24.7]	100.0
Pearson: Uncorrected chi2(2) =	192.0365				
Design-based F(1.99, 5173.32) =	68.1057	Pr =	0.000		
Region (DW)					
UP/NW/NE (n=488)	60.4	[55.4, 65.1]	39.6	[34.9, 44.6]	100.0
W/E Central/E (n=822)	57.6	[53.7, 61.4]	42.4	[38.6, 46.3]	100.0
S Central/SW/SE (n=526)	61.2	[56.3, 65.9]	38.8	[34.1, 43.7]	100.0
Detroit Metro (n=771)	57.5	[53.5, 61.4]	42.5	[38.6, 46.5]	100.0
Pearson: Uncorrected chi2(3) =	2.4775				
Design-based F(2.72, 7049.85) =	0.7130	Pr =	0.531		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,738)	51.6	[48.7, 54.5]	48.4	[45.5, 51.3]	100.0
No (n=869)	69.6	[65.7, 73.2]	30.4	[26.8, 34.3]	100.0
Pearson: Uncorrected chi2(1) =	82.3146				
Design-based F(1.00, 2595.00) =	50.0258	Pr =	0.000		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,687)	52.8	[49.9, 55.7]	47.2	[44.3, 50.1]	100.0
No (n=920)	68.2	[64.5, 71.8]	31.8	[28.2, 35.5]	100.0
Pearson: Uncorrected chi2(1) =	59.2514				
Design-based F(1.00, 2595.00) =	38.1814	Pr =	0.000		
Total (n=2,607)	58.5	[56.2, 60.7]	41.5	[39.3, 43.8]	100.0

Note: Total n is less than universe N due to item non-response.

0.8.1 Q: How many employers do you currently work for?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were employed/self-employed (N=1,471)

	Number of current employers						
	One		Two		Three or more		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=1,019)	89.0	[86.4, 91.1]	9.2	[7.3, 11.6]	1.8	[1.0, 3.0]	100.0
Off for 6+ months (n=320)	86.8	[81.9, 90.5]	12.4	[8.7, 17.3]	0.8	[0.3, 2.5]	100.0
Churned off/on (n=124)	92.1	[84.8, 96.0]	6.3	[2.9, 12.8]	1.7	[0.3, 8.8]	100.0
Pearson: Uncorrected chi2(4) =	6.3586						
Design-based F(3.79, 5502.62) =	1.1136	Pr =	0.347				
Age (DW)							
19-34 (n=540)	87.3	[83.7, 90.2]	11.3	[8.6, 14.7]	1.4	[0.6, 3.2]	100.0
35-50 (n=492)	90.9	[87.8, 93.3]	7.6	[5.4, 10.4]	1.5	[0.7, 3.3]	100.0
51-64 (n=431)	88.8	[84.5, 91.9]	9.3	[6.4, 13.4]	1.9	[1.0, 3.8]	100.0
Pearson: Uncorrected chi2(4) =	4.9766						
Design-based F(3.80, 5511.96) =	1.0718	Pr =	0.367				
Gender (DW)							
Male (n=556)	90.1	[86.8, 92.6]	8.7	[6.3, 11.9]	1.2	[0.5, 2.6]	100.0
Female (n=907)	87.6	[84.8, 89.9]	10.5	[8.4, 13.1]	1.9	[1.0, 3.3]	100.0
Pearson: Uncorrected chi2(2) =	2.5384						
Design-based F(1.99, 2893.64) =	0.8969	Pr =	0.408				
Race/ethnicity, detailed (2016)							
White (n=942)	88.7	[86.0, 91.0]	9.9	[7.8, 12.5]	1.4	[0.8, 2.5]	100.0
Black (n=313)	90.4	[86.3, 93.4]	7.8	[5.2, 11.7]	1.8	[0.7, 4.2]	100.0
Hispanic (n=61)	85.0	[72.3, 92.5]	12.5	[5.8, 25.1]	2.5	[0.5, 10.7]	100.0
Arab/Chaldean (n=67)	88.3	[76.6, 94.5]	8.9	[3.9, 18.8]	2.9	[0.4, 17.5]	100.0
Other/more than one (n=69)	85.2	[71.9, 92.9]	14.8	[7.1, 28.1]	0.0		100.0
Pearson: Uncorrected chi2(8) =	8.0496						
Design-based F(7.32, 10535.20) =	0.6464	Pr =	0.725				
FPL category (DW)							
0-35% (n=667)	90.1	[87.1, 92.4]	8.8	[6.6, 11.7]	1.1	[0.5, 2.4]	100.0
36-99% (n=452)	88.4	[84.5, 91.5]	9.6	[6.8, 13.5]	1.9	[1.0, 3.7]	100.0
100%+ (n=344)	86.1	[81.0, 90.0]	11.8	[8.2, 16.5]	2.1	[0.8, 5.8]	100.0
Pearson: Uncorrected chi2(4) =	4.4314						
Design-based F(3.92, 5682.39) =	0.8191	Pr =	0.511				
Region (DW)							
UP/NW/NE (n=275)	86.7	[81.9, 90.3]	11.9	[8.4, 16.5]	1.4	[0.6, 3.6]	100.0
W/E Central/E (n=444)	89.2	[85.2, 92.3]	9.4	[6.6, 13.3]	1.4	[0.6, 3.1]	100.0
S Central/SW/SE (n=294)	88.9	[84.0, 92.4]	8.7	[5.7, 13.2]	2.4	[1.0, 5.6]	100.0
Detroit Metro (n=450)	89.0	[85.3, 91.8]	9.7	[7.1, 13.2]	1.3	[0.5, 3.1]	100.0
Pearson: Uncorrected chi2(6) =	2.8269						
Design-based F(5.31, 7710.93) =	0.4234	Pr =	0.843				
Chronic condition (2016, 2017, 2018)							
Yes (n=858)	90.0	[87.3, 92.2]	8.0	[6.1, 10.5]	1.9	[1.1, 3.3]	100.0
No (n=605)	87.3	[83.9, 90.1]	11.6	[8.9, 14.9]	1.1	[0.4, 2.6]	100.0
Pearson: Uncorrected chi2(2) =	6.8078						
Design-based F(2.00, 2901.80) =	2.4319	Pr =	0.088				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=875)	88.9	[86.2, 91.2]	9.1	[7.1, 11.6]	2.0	[1.1, 3.5]	100.0
No (n=588)	88.6	[85.2, 91.3]	10.4	[7.8, 13.8]	1.0	[0.5, 1.9]	100.0
Pearson: Uncorrected chi2(2) =	3.0966						
Design-based F(1.92, 2781.49) =	1.3066	Pr =	0.270				
Total (n=1,463)	88.8	[86.7, 90.6]	9.7	[8.0, 11.6]	1.5	[1.0, 2.5]	100.0

Note: Total n is less than universe N due to item non-response.

0.8.2 Q: Including overtime, about how many hours per week do you usually work on all paid jobs?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were employed/self-employed (N=1,471)

	Mean	Hours worked SE	95% CI	N
HMP/Medicaid enrollment pattern (DW)				
Stayed on	32.3	0.55	[31.3, 33.4]	993
Went off for 6+ months	41.1	0.93	[39.3, 43.0]	317
Churned off/on	34.9	1.38	[32.2, 37.6]	121
Gender (DW)				
Male	36.0	0.73	[34.6, 37.5]	544
Female	33.4	0.56	[32.3, 34.5]	887
Age (DW)				
19-34	36.0	0.68	[34.7, 37.4]	529
35-50	33.8	0.82	[32.2, 35.4]	484
51-64	32.6	0.93	[30.8, 34.4]	418
Race/ethnicity, detailed (2016)				
White	34.3	0.57	[33.2, 35.5]	923
Black	34.6	0.89	[32.8, 36.3]	305
Hispanic	33.9	2.02	[29.9, 37.9]	62
Arab/Chaldean	36.6	2.16	[32.4, 40.9]	63
Other/more than one	35.8	2.54	[30.8, 40.8]	68
FPL category (DW)				
0-35%	34.9	0.69	[33.5, 36.3]	653
36-99%	33.9	0.85	[32.2, 35.6]	437
100%+	35.1	0.85	[33.5, 36.8]	341
Region (DW)				
UP/NW/NE	34.6	1.11	[32.5, 36.8]	271
W/E Central/E	34.5	0.80	[32.9, 36.0]	435
S Central/SW/SE	33.4	0.93	[31.5, 35.2]	286
Detroit Metro	35.4	0.79	[33.8, 36.9]	439
Chronic condition (2016, 2017, 2018)				
Yes	33.7	0.61	[32.5, 34.9]	839
No	35.8	0.69	[34.5, 37.2]	592
MH/SUD (2016, 2017, 2018 or DW)				
Yes	33.8	0.60	[32.6, 34.9]	861
No	35.9	0.71	[34.5, 37.3]	570
Total	34.7	0.46	[33.8, 35.6]	1431

Note: Total n is less than universe N due to item non-response. Responses are normally distributed: Among those who reported being employed or self-employed, 11.8% reported working fewer than 20 hours per week, 31.0% reported 20-34 hours per week, 43.7% reported 35-49 hours per week, and 13.4% reported 50 or more hours per week. Among all enrollees, 42.2% reported not working, 6.8% reported working less than 20 hours, 17.9% reported 20-34 hours, 25.3% reported 35-49 hours, and 7.8% reported 50 or more hours.

0.8.3 Q: Does your employer offer health insurance?/Do any of your employers offer health insurance?

Follow-up group(s): Enrolled

Universe: Respondents who were employed/self-employed (N=901)

	Employer offers health insurance							Total Row %
	Yes		No		Don't know			
	Row %	95% CI	Row %	95% CI	Row %	95% CI		
HMP/Medicaid enrollment pattern (DW)								
Stayed on (n=824)	29.5	[25.7, 33.6]	65.9	[61.7, 69.9]	4.6	[3.0, 6.9]	100.0	
Churned off/on (n=74)	31.0	[19.8, 45.1]	60.0	[46.1, 72.5]	8.9	[3.6, 20.7]	100.0	
Pearson: Uncorrected chi2(2) =	3.4370							
Design-based F(2.00, 1771.06) =	0.9837	Pr =	0.374					
Age (DW)								
19-34 (n=298)	37.8	[31.6, 44.4]	54.7	[48.1, 61.2]	7.5	[4.6, 12.2]	100.0	
35-50 (n=300)	23.9	[18.7, 30.0]	72.3	[66.1, 77.8]	3.8	[2.2, 6.7]	100.0	
51-64 (n=303)	22.1	[16.7, 28.7]	76.6	[70.0, 82.1]	1.3	[0.5, 3.4]	100.0	
Pearson: Uncorrected chi2(4) =	40.0363							
Design-based F(3.66, 3255.51) =	8.5875	Pr =	0.000					
Gender (DW)								
Male (n=345)	24.2	[19.0, 30.3]	72.2	[65.9, 77.7]	3.6	[1.7, 7.3]	100.0	
Female (n=556)	35.0	[30.2, 40.2]	58.6	[53.4, 63.7]	6.3	[4.1, 9.7]	100.0	
Pearson: Uncorrected chi2(2) =	18.7070							
Design-based F(1.99, 1766.69) =	5.1396	Pr =	0.006					
Race/ethnicity, detailed (2016)								
White (n=582)	26.3	[22.0, 31.1]	69.6	[64.6, 74.1]	4.1	[2.3, 7.2]	100.0	
Black (n=193)	35.3	[27.7, 43.8]	57.7	[49.2, 65.8]	7.0	[3.8, 12.5]	100.0	
Hispanic (n=36)	43.6	[26.2, 62.8]	55.6	[36.5, 73.1]	0.8	[0.1, 5.6]	100.0	
Arab/Chaldean (n=44)	20.9	[10.1, 38.2]	70.8	[53.1, 83.8]	8.4	[2.4, 25.5]	100.0	
Other/more than one (n=43)	36.2	[21.2, 54.6]	59.9	[41.9, 75.5]	3.9	[0.9, 14.9]	100.0	
Pearson: Uncorrected chi2(8) =	20.2030							
Design-based F(7.21, 6386.11) =	1.5729	Pr =	0.136					
FPL category (DW)								
0-35% (n=331)	27.9	[22.3, 34.2]	67.2	[60.6, 73.2]	5.0	[2.6, 9.2]	100.0	
36-99% (n=308)	25.7	[20.1, 32.4]	68.1	[61.2, 74.2]	6.2	[3.5, 10.7]	100.0	
100%+ (n=262)	37.9	[30.8, 45.5]	58.5	[50.9, 65.8]	3.6	[1.6, 8.0]	100.0	
Pearson: Uncorrected chi2(4) =	11.2101							
Design-based F(3.97, 3530.23) =	1.7434	Pr =	0.138					
Region (DW)								
UP/NW/NE (n=160)	25.5	[18.3, 34.2]	70.6	[61.5, 78.3]	4.0	[1.3, 11.1]	100.0	
W/E Central/E (n=298)	30.2	[24.3, 36.8]	65.1	[58.3, 71.3]	4.7	[2.5, 8.7]	100.0	
S Central/SW/SE (n=177)	26.7	[19.5, 35.4]	67.5	[58.3, 75.5]	5.8	[2.4, 13.2]	100.0	
Detroit Metro (n=266)	31.8	[25.6, 38.7]	63.1	[56.1, 69.7]	5.1	[2.7, 9.2]	100.0	
Pearson: Uncorrected chi2(6) =	2.7749							
Design-based F(5.48, 4873.72) =	0.3313	Pr =	0.908					
Chronic condition (2016, 2017, 2018)								
Yes (n=541)	27.5	[23.1, 32.5]	67.3	[62.1, 72.1]	5.2	[3.2, 8.3]	100.0	
No (n=360)	32.7	[27.0, 39.0]	62.5	[56.1, 68.5]	4.8	[2.6, 8.7]	100.0	
Pearson: Uncorrected chi2(2) =	2.8276							
Design-based F(1.99, 1772.56) =	0.8437	Pr =	0.430					
MH/SUD (2016, 2017, 2018 or DW)								
Yes (n=551)	27.9	[23.5, 32.8]	66.0	[60.9, 70.8]	6.0	[3.9, 9.2]	100.0	
No (n=350)	32.6	[26.7, 39.2]	63.9	[57.2, 70.1]	3.5	[1.6, 7.2]	100.0	
Pearson: Uncorrected chi2(2) =	4.6300							
Design-based F(1.99, 1770.04) =	1.3440	Pr =	0.261					
Total (n=901)	29.8	[26.2, 33.7]	65.2	[61.2, 69.0]	5.0	[3.4, 7.3]	100.0	

0.8.3.1 Q: What is the reason you don't have health insurance through your job?

Follow-up group(s): Enrolled

Universe: Respondents who were employed/self-employed and their employer offers health insurance (N=257)

Reasons for no health insurance through job	Weighted Proportion	95% CI
Have a job but insurance too expensive (n=127)	47.2	[39.6, 54.9]
Have a job but don't work enough hours for coverage (n=67)	24.1	[18.2, 31.2]
Have a job but waiting for open enrollment/to be eligible for coverage (n=32)	15.1	[10.2, 21.7]
Other (n=36)	14.4	[9.7, 20.8]

Note: Respondents were able to provide multiple responses.

0.8.4 Q: In the past 12 months, how would you describe the number of hours you work?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were employed/self-employed (N=1,471)

	Consistent through the year		Consistency of hours worked				Total Row %
	Row %	95% CI	Changes by season		Changes week to week		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=1,010)	48.0	[44.2, 51.8]	24.6	[21.3, 28.1]	27.5	[24.2, 31.0]	100.0
Off for 6+ months (n=319)	68.0	[61.7, 73.8]	18.2	[13.8, 23.6]	13.8	[9.8, 19.0]	100.0
Churned off/on (n=124)	38.2	[28.7, 48.8]	24.6	[16.8, 34.6]	37.2	[27.4, 48.1]	100.0
Pearson: Uncorrected chi2(4) =	58.2340						
Design-based F(3.96, 5712.52) =	9.0152	Pr =	0.000				
Age (DW)							
19-34 (n=535)	52.1	[47.2, 57.0]	24.0	[20.0, 28.6]	23.8	[19.8, 28.4]	100.0
35-50 (n=488)	51.3	[46.0, 56.7]	21.0	[17.0, 25.7]	27.7	[23.2, 32.7]	100.0
51-64 (n=430)	50.7	[44.8, 56.6]	24.5	[19.7, 30.0]	24.8	[20.1, 30.1]	100.0
Pearson: Uncorrected chi2(4) =	3.3106						
Design-based F(3.83, 5523.69) =	0.6130	Pr =	0.646				
Gender (DW)							
Male (n=554)	46.4	[41.5, 51.4]	25.6	[21.6, 30.1]	28.0	[23.7, 32.7]	100.0
Female (n=899)	56.5	[52.5, 60.4]	20.7	[17.6, 24.2]	22.8	[19.7, 26.3]	100.0
Pearson: Uncorrected chi2(2) =	14.7939						
Design-based F(2.00, 2881.99) =	4.8412	Pr =	0.008				
Race/ethnicity, detailed (2016)							
White (n=935)	52.2	[48.3, 56.1]	24.4	[21.1, 28.0]	23.4	[20.3, 26.8]	100.0
Black (n=312)	53.7	[46.9, 60.3]	18.7	[14.0, 24.5]	27.6	[21.9, 34.2]	100.0
Hispanic (n=62)	67.0	[53.4, 78.3]	13.8	[7.0, 25.4]	19.2	[11.1, 31.0]	100.0
Arab/Chaldean (n=65)	34.4	[22.9, 48.0]	31.5	[20.2, 45.4]	34.1	[22.1, 48.5]	100.0
Other/more than one (n=69)	43.3	[30.4, 57.3]	27.1	[16.1, 41.7]	29.6	[18.5, 43.7]	100.0
Pearson: Uncorrected chi2(8) =	27.0131						
Design-based F(7.79, 11143.18) =	2.0182	Pr =	0.042				
FPL category (DW)							
0-35% (n=662)	50.9	[46.2, 55.5]	24.2	[20.4, 28.5]	24.9	[21.1, 29.1]	100.0
36-99% (n=445)	50.1	[44.4, 55.7]	22.9	[18.5, 28.0]	27.0	[22.2, 32.4]	100.0
100%+ (n=346)	55.4	[48.9, 61.7]	20.5	[15.7, 26.3]	24.1	[18.9, 30.2]	100.0
Pearson: Uncorrected chi2(4) =	3.1142						
Design-based F(3.99, 5746.51) =	0.5354	Pr =	0.709				
Region (DW)							
UP/NW/NE (n=275)	53.1	[46.2, 59.9]	28.7	[22.8, 35.4]	18.2	[13.5, 24.0]	100.0
W/E Central/E (n=443)	52.2	[46.7, 57.6]	22.6	[18.2, 27.7]	25.2	[21.0, 30.0]	100.0
S Central/SW/SE (n=291)	48.8	[42.0, 55.6]	22.4	[17.2, 28.7]	28.8	[22.8, 35.6]	100.0
Detroit Metro (n=444)	52.2	[46.8, 57.6]	22.4	[18.2, 27.4]	25.4	[20.9, 30.4]	100.0
Pearson: Uncorrected chi2(6) =	6.6723						
Design-based F(5.48, 7900.89) =	0.8850	Pr =	0.498				
Chronic condition (2016, 2017, 2018)							
Yes (n=853)	49.8	[45.6, 54.0]	21.8	[18.5, 25.5]	28.3	[24.7, 32.3]	100.0
No (n=600)	53.8	[49.0, 58.5]	24.6	[20.7, 29.0]	21.7	[18.0, 25.9]	100.0
Pearson: Uncorrected chi2(2) =	8.6323						
Design-based F(2.00, 2881.70) =	2.8105	Pr =	0.060				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=865)	51.3	[47.2, 55.4]	22.7	[19.4, 26.4]	26.0	[22.6, 29.8]	100.0
No (n=588)	52.1	[47.1, 57.0]	23.6	[19.7, 28.0]	24.4	[20.3, 29.0]	100.0
Pearson: Uncorrected chi2(2) =	0.5443						
Design-based F(2.00, 2880.77) =	0.1747	Pr =	0.840				
Total (n=1,453)	51.6	[48.4, 54.8]	23.1	[20.5, 25.9]	25.3	[22.6, 28.2]	100.0

Note: Total n is less than universe N due to item non-response.

0.8.5 Q: Would you work more hours if your employer would let you?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were employed/self-employed (N=1,471)

	Would work more hours				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=873)	74.2	[70.5, 77.6]	25.8	[22.4, 29.5]	100.0
Off for 6+ months (n=304)	64.1	[57.5, 70.2]	35.9	[29.8, 42.5]	100.0
Churned off/on (n=119)	79.2	[69.3, 86.4]	20.8	[13.6, 30.7]	100.0
Pearson: Uncorrected chi2(2) =	15.6227				
Design-based F(1.99, 2554.83) =	4.9645	Pr =	0.007		
Age (DW)					
19-34 (n=510)	72.9	[68.3, 77.2]	27.1	[22.8, 31.7]	100.0
35-50 (n=425)	74.0	[68.7, 78.7]	26.0	[21.3, 31.3]	100.0
51-64 (n=361)	67.1	[60.9, 72.8]	32.9	[27.2, 39.1]	100.0
Pearson: Uncorrected chi2(2) =	3.6888				
Design-based F(1.93, 2481.03) =	1.4171	Pr =	0.243		
Gender (DW)					
Male (n=479)	71.6	[66.6, 76.1]	28.4	[23.9, 33.4]	100.0
Female (n=817)	72.9	[69.1, 76.4]	27.1	[23.6, 30.9]	100.0
Pearson: Uncorrected chi2(1) =	0.2916				
Design-based F(1.00, 1284.00) =	0.1946	Pr =	0.659		
Race/ethnicity, detailed (2016)					
White (n=817)	71.1	[67.1, 74.8]	28.9	[25.2, 32.9]	100.0
Black (n=294)	77.9	[72.0, 82.8]	22.1	[17.2, 28.0]	100.0
Hispanic (n=54)	85.3	[71.4, 93.1]	14.7	[6.9, 28.6]	100.0
Arab/Chaldean (n=63)	59.6	[45.5, 72.3]	40.4	[27.7, 54.5]	100.0
Other/more than one (n=59)	61.8	[46.7, 74.9]	38.2	[25.1, 53.3]	100.0
Pearson: Uncorrected chi2(4) =	22.9648				
Design-based F(3.96, 5045.98) =	3.5036	Pr =	0.008		
FPL category (DW)					
0-35% (n=583)	71.7	[67.0, 76.0]	28.3	[24.0, 33.0]	100.0
36-99% (n=392)	72.0	[66.4, 76.9]	28.0	[23.1, 33.6]	100.0
100%+ (n=321)	74.0	[67.9, 79.3]	26.0	[20.7, 32.1]	100.0
Pearson: Uncorrected chi2(2) =	0.5543				
Design-based F(1.99, 2555.43) =	0.2012	Pr =	0.817		
Region (DW)					
UP/NW/NE (n=233)	69.2	[62.1, 75.5]	30.8	[24.5, 37.9]	100.0
W/E Central/E (n=392)	73.9	[68.5, 78.7]	26.1	[21.3, 31.5]	100.0
S Central/SW/SE (n=260)	68.8	[61.8, 75.0]	31.2	[25.0, 38.2]	100.0
Detroit Metro (n=411)	73.5	[68.2, 78.1]	26.5	[21.9, 31.8]	100.0
Pearson: Uncorrected chi2(3) =	2.9329				
Design-based F(2.73, 3511.66) =	0.8052	Pr =	0.481		
Chronic condition (2016, 2017, 2018)					
Yes (n=755)	74.1	[70.2, 77.7]	25.9	[22.3, 29.8]	100.0
No (n=541)	70.1	[65.3, 74.6]	29.9	[25.4, 34.7]	100.0
Pearson: Uncorrected chi2(1) =	2.5973				
Design-based F(1.00, 1284.00) =	1.7495	Pr =	0.186		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=780)	71.3	[67.3, 75.1]	28.7	[24.9, 32.7]	100.0
No (n=516)	73.6	[68.8, 77.9]	26.4	[22.1, 31.2]	100.0
Pearson: Uncorrected chi2(1) =	0.7890				
Design-based F(1.00, 1284.00) =	0.5285	Pr =	0.467		
Total (n=1,296)	72.3	[69.2, 75.2]	27.7	[24.8, 30.8]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

0.8.6 All responses: Would you work more hours if your employer would let you?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were employed/self-employed (N=1,471)

Would work more hours	Weighted Proportion	95% CI
Yes (n=918)	65.5	[62.5, 68.4]
No (n=378)	25.1	[22.5, 27.9]
NA (n=148)	9.4	[7.7, 11.3]
Total (n=1,444)	100.0	

Note: Total n is less than universe N due to item non-response.

0.8.6.1 Q: If not, why not?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who would not work more hours if their employer would let them (N=378)

Reasons would not work more hours	Weighted Proportion	95% CI
Just do not want to work additional hours (part-time, stress, etc.) (n=128)	35.5	[29.7, 41.7]
Already work full time (n=124)	32.4	[26.8, 38.4]
Poor health/disability (n=66)	13.8	[10.4, 18.3]
In school or other training (n=27)	11.4	[7.6, 16.8]
Caregiving responsibilities (n=45)	9.8	[7.0, 13.4]
Other (n=8)	2.2	[0.9, 5.3]
Transportation/logistics (n=1)	0.1	[0.0, 0.6]

Note: Respondents were able to provide multiple responses.

0.8.6.2 Q: Were those caregiving responsibilities for your child/children/another family member/another person?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who would not work more hours if their employer would let them due to caregiving responsibilities (N=45)

Would not work more hours due to caregiving responsibilities	Weighted Proportion
For your child/children (n=32)	79.5
For another family member (n=12)	20.5
Total (n=44)	100.0

Note: Total n is less than universe N due to item non-response. Confidence interval omitted due to small sample size.

0.8.7 Q: Have you changed jobs in the last 12 months?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were employed/self-employed (N=1,471)

	Job change in last 12 months				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,023)	21.0	[17.9, 24.3]	79.0	[75.7, 82.1]	100.0
Off for 6+ months (n=321)	21.7	[16.7, 27.7]	78.3	[72.3, 83.3]	100.0
Churned off/on (n=125)	46.4	[36.1, 57.0]	53.6	[43.0, 63.9]	100.0
Pearson: Uncorrected chi2(2) =	48.9906				
Design-based F(1.99, 2899.96) =	14.5784	Pr =	0.000		
Age (DW)					
19-34 (n=542)	33.5	[29.0, 38.3]	66.5	[61.7, 71.0]	100.0
35-50 (n=494)	17.4	[13.6, 22.0]	82.6	[78.0, 86.4]	100.0
51-64 (n=433)	10.3	[7.2, 14.4]	89.7	[85.6, 92.8]	100.0
Pearson: Uncorrected chi2(2) =	73.9058				
Design-based F(1.89, 2751.66) =	27.9101	Pr =	0.000		
Gender (DW)					
Male (n=560)	25.4	[21.2, 30.1]	74.6	[69.9, 78.8]	100.0
Female (n=909)	22.4	[19.2, 25.9]	77.6	[74.1, 80.8]	100.0
Pearson: Uncorrected chi2(1) =	1.8847				
Design-based F(1.00, 1457.00) =	1.1675	Pr =	0.280		
Race/ethnicity, detailed (2016)					
White (n=945)	22.9	[19.6, 26.4]	77.1	[73.6, 80.4]	100.0
Black (n=314)	22.5	[17.4, 28.6]	77.5	[71.4, 82.6]	100.0
Hispanic (n=62)	18.2	[9.5, 32.0]	81.8	[68.0, 90.5]	100.0
Arab/Chaldean (n=68)	37.5	[24.9, 52.0]	62.5	[48.0, 75.1]	100.0
Other/more than one (n=69)	27.5	[16.7, 41.8]	72.5	[58.2, 83.3]	100.0
Pearson: Uncorrected chi2(4) =	12.6522				
Design-based F(3.96, 5723.56) =	1.7621	Pr =	0.134		
FPL category (DW)					
0-35% (n=669)	24.5	[20.6, 28.8]	75.5	[71.2, 79.4]	100.0
36-99% (n=452)	23.3	[18.7, 28.6]	76.7	[71.4, 81.3]	100.0
100%+ (n=348)	22.9	[17.6, 29.2]	77.1	[70.8, 82.4]	100.0
Pearson: Uncorrected chi2(2) =	0.3946				
Design-based F(2.00, 2909.89) =	0.1268	Pr =	0.881		
Region (DW)					
UP/NW/NE (n=275)	22.3	[16.8, 28.9]	77.7	[71.1, 83.2]	100.0
W/E Central/E (n=444)	24.9	[20.3, 30.1]	75.1	[69.9, 79.7]	100.0
S Central/SW/SE (n=297)	24.8	[19.2, 31.5]	75.2	[68.5, 80.8]	100.0
Detroit Metro (n=453)	23.0	[18.7, 28.0]	77.0	[72.0, 81.3]	100.0
Pearson: Uncorrected chi2(3) =	0.8006				
Design-based F(2.77, 4032.75) =	0.1972	Pr =	0.885		
Chronic condition (2016, 2017, 2018)					
Yes (n=860)	22.4	[19.0, 26.3]	77.6	[73.7, 81.0]	100.0
No (n=609)	25.5	[21.5, 30.0]	74.5	[70.0, 78.5]	100.0
Pearson: Uncorrected chi2(1) =	1.9620				
Design-based F(1.00, 1457.00) =	1.2103	Pr =	0.271		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=877)	25.9	[22.4, 29.8]	74.1	[70.2, 77.6]	100.0
No (n=592)	21.0	[17.1, 25.6]	79.0	[74.4, 82.9]	100.0
Pearson: Uncorrected chi2(1) =	4.7159				
Design-based F(1.00, 1457.00) =	2.8268	Pr =	0.093		
Total (n=1,469)	23.8	[21.2, 26.7]	76.2	[73.3, 78.8]	100.0

Note: Total n is less than universe N due to item non-response.

0.8.8 Q: In the past 12 months, about how many weeks, in total, were you out of work?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were employed/self-employed (N=1,471)

	Number of weeks out of work			N
	Mean	SE	95% CI	
HMP/Medicaid enrollment pattern (DW)				
Stayed on	4.5	0.38	[3.7, 5.2]	984
Went off for 6+ months	2.9	0.47	[2.0, 3.8]	311
Churned off/on	4.6	0.72	[3.2, 6.0]	122
Gender (DW)				
Male	4.1	0.40	[3.4, 4.9]	538
Female	4.1	0.41	[3.3, 4.9]	879
Age (DW)				
19-34	3.9	0.42	[3.1, 4.8]	525
35-50	4.5	0.51	[3.4, 5.5]	474
51-64	4.0	0.60	[2.9, 5.2]	418
Race/ethnicity, detailed (2016)				
White	4.6	0.39	[3.8, 5.3]	918
Black	3.4	0.48	[2.4, 4.4]	296
Hispanic	2.5	0.99	[0.5, 4.4]	62
Arab/Chaldean	3.7	1.03	[1.6, 5.7]	64
Other/more than one	5.6	1.61	[2.4, 8.7]	66
FPL category (DW)				
0-35%	4.9	0.47	[4.0, 5.8]	642
36-99%	3.8	0.46	[2.9, 4.7]	438
100%+	2.7	0.44	[1.8, 3.6]	337
Region (DW)				
UP/NW/NE	4.9	0.85	[3.2, 6.6]	268
W/E Central/E	4.8	0.57	[3.6, 5.9]	429
S Central/SW/SE	3.9	0.57	[2.7, 5.0]	287
Detroit Metro	3.7	0.45	[2.8, 4.6]	433
Chronic condition (2016, 2017, 2018)				
Yes	4.8	0.41	[4.0, 5.6]	827
No	3.4	0.40	[2.6, 4.2]	590
MH/SUD (2016, 2017, 2018 or DW)				
Yes	4.9	0.42	[4.1, 5.7]	848
No	3.1	0.36	[2.4, 3.8]	569
Total	4.1	0.29	[3.6, 4.7]	1417

Note: Total n is less than universe N due to item non-response. Responses are non-normally distributed: 55.7% reported 0 weeks out of work, 22.8% reported 1-4 weeks, 17.5% reported 5-25 weeks, and 4.1% reported 26 or more weeks.

0.8.9 Q: In the past 30 days, how many days have you experienced problems related to transportation that caused you to be late or miss days at work or school?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were employed/self-employed (N=1,471)

	Number of days late/missed work/school due to transportation problems			N
	Mean	SE	95% CI	
HMP/Medicaid enrollment pattern (DW)				
Stayed on	0.9	0.12	[0.7, 1.1]	1017
Went off for 6+ months	0.6	0.18	[0.3, 1.0]	319
Churned off/on	1.3	0.48	[0.4, 2.3]	125
Gender (DW)				
Male	1.0	0.16	[0.7, 1.3]	558
Female	0.8	0.14	[0.5, 1.1]	903
Age (DW)				
19-34	0.7	0.11	[0.5, 0.9]	539
35-50	1.2	0.24	[0.7, 1.7]	490
51-64	0.7	0.21	[0.3, 1.2]	432
Race/ethnicity, detailed (2016)				
White	0.8	0.13	[0.5, 1.0]	944
Black	1.1	0.19	[0.7, 1.5]	310
Hispanic	1.0	0.47	[0.0, 1.9]	62
Arab/Chaldean	0.8	0.31	[0.1, 1.4]	67
Other/more than one	1.3	0.72	[-0.1, 2.7]	68
FPL category (DW)				
0-35%	1.0	0.18	[0.7, 1.4]	662
36-99%	0.6	0.12	[0.4, 0.9]	451
100%+	0.9	0.21	[0.5, 1.3]	348
Region (DW)				
UP/NW/NE	0.7	0.24	[0.3, 1.2]	274
W/E Central/E	0.6	0.17	[0.3, 1.0]	442
S Central/SW/SE	1.1	0.31	[0.5, 1.7]	297
Detroit Metro	1.0	0.15	[0.7, 1.3]	448
Chronic condition (2016, 2017, 2018)				
Yes	1.0	0.16	[0.7, 1.3]	854
No	0.8	0.13	[0.5, 1.0]	607
MH/SUD (2016, 2017, 2018 or DW)				
Yes	1.1	0.15	[0.8, 1.4]	873
No	0.6	0.13	[0.4, 0.9]	588
Total	0.9	0.10	[0.7, 1.1]	1461

Note: Total n is less than universe N due to item non-response. Responses are non-normally distributed: 83.4% reported 0 days with problems related to transportation that caused them to be late or miss days at work or school, 8.5% reported 1-2 days, and 8.1% reported 3 or more days.

0.8.10 Q: Are you currently looking for a job other than what you have now?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were employed/self-employed (N=1,471)

	Looking for new job				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,024)	31.9	[28.4, 35.7]	68.1	[64.3, 71.6]	100.0
Off for 6+ months (n=320)	29.2	[23.5, 35.7]	70.8	[64.3, 76.5]	100.0
Churned off/on (n=125)	39.3	[29.4, 50.1]	60.7	[49.9, 70.6]	100.0
Pearson: Uncorrected chi2(2) =	4.9400				
Design-based F(1.99, 2899.00) =	1.4316	Pr =	0.239		
Age (DW)					
19-34 (n=542)	36.0	[31.5, 40.9]	64.0	[59.1, 68.5]	100.0
35-50 (n=494)	32.1	[27.2, 37.4]	67.9	[62.6, 72.8]	100.0
51-64 (n=433)	21.5	[17.0, 27.0]	78.5	[73.0, 83.0]	100.0
Pearson: Uncorrected chi2(2) =	18.3798				
Design-based F(1.93, 2805.86) =	6.6311	Pr =	0.002		
Gender (DW)					
Male (n=560)	37.5	[32.8, 42.4]	62.5	[57.6, 67.2]	100.0
Female (n=909)	27.0	[23.6, 30.8]	73.0	[69.2, 76.4]	100.0
Pearson: Uncorrected chi2(1) =	18.5188				
Design-based F(1.00, 1457.00) =	11.7146	Pr =	0.001		
Race/ethnicity, detailed (2016)					
White (n=945)	24.6	[21.3, 28.3]	75.4	[71.7, 78.7]	100.0
Black (n=314)	46.2	[39.6, 52.9]	53.8	[47.1, 60.4]	100.0
Hispanic (n=62)	33.2	[20.7, 48.5]	66.8	[51.5, 79.3]	100.0
Arab/Chaldean (n=68)	35.8	[23.9, 49.7]	64.2	[50.3, 76.1]	100.0
Other/more than one (n=69)	36.3	[23.8, 51.0]	63.7	[49.0, 76.2]	100.0
Pearson: Uncorrected chi2(4) =	56.9717				
Design-based F(3.97, 5741.68) =	7.8757	Pr =	0.000		
FPL category (DW)					
0-35% (n=668)	36.0	[31.6, 40.7]	64.0	[59.3, 68.4]	100.0
36-99% (n=453)	27.8	[22.9, 33.2]	72.2	[66.8, 77.1]	100.0
100%+ (n=348)	28.4	[22.8, 34.7]	71.6	[65.3, 77.2]	100.0
Pearson: Uncorrected chi2(2) =	10.7976				
Design-based F(1.99, 2904.69) =	3.5930	Pr =	0.028		
Region (DW)					
UP/NW/NE (n=275)	19.2	[14.4, 25.2]	80.8	[74.8, 85.6]	100.0
W/E Central/E (n=444)	24.8	[20.3, 29.9]	75.2	[70.1, 79.7]	100.0
S Central/SW/SE (n=297)	29.6	[23.6, 36.3]	70.4	[63.7, 76.4]	100.0
Detroit Metro (n=453)	40.7	[35.5, 46.1]	59.3	[53.9, 64.5]	100.0
Pearson: Uncorrected chi2(3) =	42.9552				
Design-based F(2.74, 3987.49) =	11.4219	Pr =	0.000		
Chronic condition (2016, 2017, 2018)					
Yes (n=860)	32.2	[28.4, 36.4]	67.8	[63.6, 71.6]	100.0
No (n=609)	31.9	[27.5, 36.6]	68.1	[63.4, 72.5]	100.0
Pearson: Uncorrected chi2(1) =	0.0181				
Design-based F(1.00, 1457.00) =	0.0110	Pr =	0.917		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=876)	31.4	[27.7, 35.4]	68.6	[64.6, 72.3]	100.0
No (n=593)	33.0	[28.4, 37.9]	67.0	[62.1, 71.6]	100.0
Pearson: Uncorrected chi2(1) =	0.3960				
Design-based F(1.00, 1457.00) =	0.2390	Pr =	0.625		
Total (n=1,469)	32.1	[29.2, 35.2]	67.9	[64.8, 70.8]	100.0

Note: Total n is less than universe N due to item non-response.

0.9 Q: Would you say you are retired, unable to work, or out of work?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were not employed/self-employed or a full-time student (N=1,136)

	Unemployed status							Total Row %
	Out of work		Unable to work		Retired			
	Row %	95% CI	Row %	95% CI	Row %	95% CI		
HMP/Medicaid enrollment pattern (DW)								
Stayed on (n=937)	38.8	[34.9, 42.9]	48.7	[44.6, 52.7]	12.5	[10.5, 14.9]		100.0
Off for 6+ months (n=72)	33.4	[20.6, 49.1]	47.4	[33.2, 62.0]	19.3	[11.7, 30.1]		100.0
Churned off/on (n=75)	59.5	[45.5, 72.1]	34.7	[22.9, 48.8]	5.8	[2.8, 11.6]		100.0
Pearson: Uncorrected chi2(4) =	19.7536							
Design-based F(3.54, 3790.92) =	3.6504	Pr =	0.008					
Age (DW)								
19-34 (n=161)	62.0	[53.2, 70.0]	38.0	[30.0, 46.8]	0.0			100.0
35-50 (n=306)	43.2	[36.6, 50.1]	53.9	[47.1, 60.6]	2.9	[1.2, 6.8]		100.0
51-64 (n=617)	23.9	[19.7, 28.6]	47.4	[42.5, 52.3]	28.7	[24.8, 33.0]		100.0
Pearson: Uncorrected chi2(4) =	223.9209							
Design-based F(3.74, 4010.57) =	32.7289	Pr =	0.000					
Gender (DW)								
Male (n=430)	40.5	[34.8, 46.5]	46.1	[40.4, 51.9]	13.4	[10.4, 17.0]		100.0
Female (n=654)	40.2	[35.4, 45.1]	48.6	[43.8, 53.4]	11.2	[9.1, 13.8]		100.0
Pearson: Uncorrected chi2(2) =	1.3484							
Design-based F(1.87, 2006.98) =	0.4864	Pr =	0.602					
Race/ethnicity, detailed (2016)								
White (n=718)	35.7	[31.1, 40.5]	48.8	[44.1, 53.6]	15.5	[12.9, 18.5]		100.0
Black (n=210)	49.4	[41.5, 57.4]	40.9	[33.4, 48.9]	9.7	[6.4, 14.4]		100.0
Hispanic (n=40)	40.8	[23.7, 60.5]	53.8	[35.1, 71.5]	5.4	[2.1, 13.3]		100.0
Arab/Chaldean (n=33)	60.1	[40.0, 77.2]	37.3	[20.7, 57.6]	2.6	[0.4, 16.7]		100.0
Other/more than one (n=60)	27.6	[14.6, 46.0]	65.3	[48.1, 79.3]	7.0	[3.0, 15.7]		100.0
Pearson: Uncorrected chi2(8) =	39.0680							
Design-based F(7.05, 7390.71) =	3.3038	Pr =	0.002					
FPL category (DW)								
0-35% (n=812)	37.2	[33.0, 41.6]	51.7	[47.4, 56.1]	11.1	[9.2, 13.4]		100.0
36-99% (n=182)	51.2	[41.8, 60.5]	35.3	[27.1, 44.4]	13.5	[9.0, 19.9]		100.0
100%+ (n=90)	51.8	[39.1, 64.3]	24.8	[16.6, 35.2]	23.4	[14.5, 35.6]		100.0
Pearson: Uncorrected chi2(4) =	34.4987							
Design-based F(3.81, 4080.16) =	7.0351	Pr =	0.000					
Region (DW)								
UP/NW/NE (n=208)	30.4	[23.2, 38.8]	46.6	[38.9, 54.5]	23.0	[17.9, 29.0]		100.0
W/E Central/E (n=356)	35.6	[29.6, 42.1]	49.9	[43.7, 56.2]	14.5	[11.0, 18.7]		100.0
S Central/SW/SE (n=221)	37.4	[29.8, 45.6]	51.4	[43.4, 59.3]	11.3	[8.0, 15.6]		100.0
Detroit Metro (n=299)	46.6	[40.1, 53.3]	44.2	[37.8, 50.8]	9.2	[6.5, 12.9]		100.0
Pearson: Uncorrected chi2(6) =	25.5533							
Design-based F(5.15, 5525.67) =	3.8578	Pr =	0.002					
Chronic condition (2016, 2017, 2018)								
Yes (n=853)	34.5	[30.4, 38.9]	51.9	[47.6, 56.2]	13.5	[11.3, 16.2]		100.0
No (n=231)	56.5	[48.6, 64.2]	34.5	[27.3, 42.6]	8.9	[6.2, 12.7]		100.0
Pearson: Uncorrected chi2(2) =	42.4066							
Design-based F(1.82, 1948.69) =	14.5913	Pr =	0.000					
MH/SUD (2016, 2017, 2018 or DW)								
Yes (n=779)	35.3	[31.0, 39.8]	55.7	[51.2, 60.1]	9.0	[7.2, 11.3]		100.0
No (n=305)	54.0	[46.9, 60.9]	25.0	[19.4, 31.5]	21.1	[16.6, 26.3]		100.0
Pearson: Uncorrected chi2(2) =	86.7060							
Design-based F(1.92, 2055.86) =	31.5947	Pr =	0.000					
Total (n=1,084)	40.4	[36.6, 44.2]	47.3	[43.6, 51.1]	12.3	[10.5, 14.4]		100.0

Note: Total n is less than universe N due to item non-response.

0.9.1 Q: How long have you been retired?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were retired (N=215)

	Less than one year		Time retired One year or more		Total Row %
	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=184)	18.7	[11.4, 29.3]	81.3	[70.7, 88.6]	100.0
Off for 6+ months (n=22)	2.8	[0.4, 18.1]	97.2	[81.9, 99.6]	100.0
Churned off/on (n=9)	29.0	[8.6, 63.8]	71.0	[36.2, 91.4]	100.0
Pearson: Uncorrected chi2(2) =	3.9796				
Design-based F(1.85, 376.17) =	2.3217	Pr =	0.104		
Age (DW)					
35-50 (n=8)	28.4	[4.3, 77.8]	71.6	[22.2, 95.7]	100.0
51-64 (n=207)	16.7	[10.6, 25.4]	83.3	[74.6, 89.4]	100.0
Pearson: Uncorrected chi2(1) =	1.5466				
Design-based F(1.00, 203.00) =	0.3774	Pr =	0.540		
Gender (DW)					
Male (n=95)	20.2	[10.6, 35.1]	79.8	[64.9, 89.4]	100.0
Female (n=120)	14.6	[7.4, 26.9]	85.4	[73.1, 92.6]	100.0
Pearson: Uncorrected chi2(1) =	1.1563				
Design-based F(1.00, 203.00) =	0.5139	Pr =	0.474		
Race/ethnicity, detailed (2016)					
White (n=169)	17.2	[9.8, 28.4]	82.8	[71.6, 90.2]	100.0
Black (n=31)	19.2	[6.3, 45.5]	80.8	[54.5, 93.7]	100.0
Hispanic (n=5)	0.0		100.0		100.0
Arab/Chaldean (n=1)	100.0		0.0		100.0
Other/more than one (n=7)	12.1	[1.6, 54.7]	87.9	[45.3, 98.4]	100.0
Pearson: Uncorrected chi2(4) =	11.4859				
Design-based F(3.26, 654.44) =	1.6509	Pr =	0.172		
FPL category (DW)					
0-35% (n=153)	9.7	[4.4, 20.3]	90.3	[79.7, 95.6]	100.0
36-99% (n=36)	30.2	[13.8, 53.9]	69.8	[46.1, 86.2]	100.0
100%+ (n=26)	44.1	[20.9, 70.3]	55.9	[29.7, 79.1]	100.0
Pearson: Uncorrected chi2(2) =	23.8330				
Design-based F(2.00, 405.16) =	5.4890	Pr =	0.004		
Region (DW)					
UP/NW/NE (n=59)	17.8	[9.3, 31.3]	82.2	[68.7, 90.7]	100.0
W/E Central/E (n=73)	15.2	[5.7, 34.6]	84.8	[65.4, 94.3]	100.0
S Central/SW/SE (n=39)	14.3	[5.8, 31.2]	85.7	[68.8, 94.2]	100.0
Detroit Metro (n=44)	21.8	[9.2, 43.3]	78.2	[56.7, 90.8]	100.0
Pearson: Uncorrected chi2(3) =	1.4043				
Design-based F(2.44, 494.58) =	0.2560	Pr =	0.816		
Chronic condition (2016, 2017, 2018)					
Yes (n=175)	18.7	[11.2, 29.7]	81.3	[70.3, 88.8]	100.0
No (n=40)	13.2	[4.9, 31.1]	86.8	[68.9, 95.1]	100.0
Pearson: Uncorrected chi2(1) =	0.6955				
Design-based F(1.00, 203.00) =	0.4430	Pr =	0.506		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=115)	19.7	[10.3, 34.3]	80.3	[65.7, 89.7]	100.0
No (n=100)	15.4	[7.8, 28.2]	84.6	[71.8, 92.2]	100.0
Pearson: Uncorrected chi2(1) =	0.6748				
Design-based F(1.00, 203.00) =	0.2919	Pr =	0.590		
Total (n=215)	17.7	[11.1, 27.0]	82.3	[73.0, 88.9]	100.0

0.9.2 Q: What are the reasons you retired?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were retired (N=215)

Reasons for retirement	Weighted Proportion	95% CI
Poor health/disability (n=94)	48.7	[40.4, 57.1]
Respondent able to retire (age, finances, just chose to retire) (n=93)	40.0	[32.0, 48.4]
Caregiving responsibilities (n=15)	6.8	[3.4, 13.1]
Couldn't find work (n=14)	6.3	[3.5, 10.8]
Laid off (n=11)	5.1	[2.4, 10.4]
Other (n=5)	3.8	[1.4, 9.5]
Employer offered early retirement (n=2)	0.8	[0.2, 3.6]
Transportation/logistics (n=1)	0.4	[0.1, 2.7]

Note: Respondents were able to provide multiple responses.

0.9.2.1 Q: Were those caregiving responsibilities for your child/children/another family member/another person?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were retired due to caregiving responsibilities (N=15)

Retired due to caregiving responsibilities	Weighted Proportion
For your child/children (n=2)	10.6
For another family member (n=13)	89.4
Total (n=15)	100.0

Note: Confidence interval omitted due to small sample size.

0.9.3 Q: How long have you been unable to work?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were unable to work (N=526)

	Time unable to work				Total Row %
	Less than one year		One year or more		
	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=456)	7.7	[5.2, 11.3]	92.3	[88.7, 94.8]	100.0
Off for 6+ months (n=33)	9.6	[1.4, 44.5]	90.4	[55.5, 98.6]	100.0
Churned off/on (n=31)	33.6	[15.0, 59.2]	66.4	[40.8, 85.0]	100.0
Pearson: Uncorrected chi2(2) =	23.7476				
Design-based F(1.94, 985.50) =	4.9975	Pr =	0.007		
Age (DW)					
19-34 (n=64)	22.3	[12.4, 36.6]	77.7	[63.4, 87.6]	100.0
35-50 (n=171)	5.2	[2.8, 9.4]	94.8	[90.6, 97.2]	100.0
51-64 (n=285)	7.3	[4.1, 12.7]	92.7	[87.3, 95.9]	100.0
Pearson: Uncorrected chi2(2) =	25.5652				
Design-based F(1.90, 964.77) =	8.4204	Pr =	0.000		
Gender (DW)					
Male (n=199)	8.9	[5.1, 15.3]	91.1	[84.7, 94.9]	100.0
Female (n=321)	9.9	[6.3, 15.3]	90.1	[84.7, 93.7]	100.0
Pearson: Uncorrected chi2(1) =	0.1525				
Design-based F(1.00, 508.00) =	0.0862	Pr =	0.769		
Race/ethnicity, detailed (2016)					
White (n=345)	8.6	[5.5, 13.3]	91.4	[86.7, 94.5]	100.0
Black (n=90)	6.7	[3.2, 13.6]	93.3	[86.4, 96.8]	100.0
Hispanic (n=21)	19.1	[4.5, 54.0]	80.9	[46.0, 95.5]	100.0
Arab/Chaldean (n=12)	41.9	[15.0, 74.6]	58.1	[25.4, 85.0]	100.0
Other/more than one (n=40)	2.1	[0.3, 13.8]	97.9	[86.2, 99.7]	100.0
Pearson: Uncorrected chi2(4) =	31.6786				
Design-based F(3.51, 1743.12) =	4.6470	Pr =	0.002		
FPL category (DW)					
0-35% (n=420)	8.6	[5.7, 12.8]	91.4	[87.2, 94.3]	100.0
36-99% (n=70)	14.1	[5.7, 31.0]	85.9	[69.0, 94.3]	100.0
100%+ (n=30)	14.6	[4.2, 40.3]	85.4	[59.7, 95.8]	100.0
Pearson: Uncorrected chi2(2) =	2.3996				
Design-based F(1.87, 952.43) =	0.8135	Pr =	0.437		
Region (DW)					
UP/NW/NE (n=97)	6.3	[2.6, 14.8]	93.7	[85.2, 97.4]	100.0
W/E Central/E (n=178)	8.4	[4.7, 14.5]	91.6	[85.5, 95.3]	100.0
S Central/SW/SE (n=112)	8.6	[3.9, 17.8]	91.4	[82.2, 96.1]	100.0
Detroit Metro (n=133)	11.3	[6.3, 19.4]	88.7	[80.6, 93.7]	100.0
Pearson: Uncorrected chi2(3) =	1.6496				
Design-based F(2.66, 1350.43) =	0.4376	Pr =	0.702		
Chronic condition (2016, 2017, 2018)					
Yes (n=443)	6.4	[4.2, 9.8]	93.6	[90.2, 95.8]	100.0
No (n=77)	22.4	[12.5, 36.7]	77.6	[63.3, 87.5]	100.0
Pearson: Uncorrected chi2(1) =	23.8428				
Design-based F(1.00, 508.00) =	12.9397	Pr =	0.000		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=440)	9.0	[6.0, 13.3]	91.0	[86.7, 94.0]	100.0
No (n=80)	12.3	[6.0, 23.4]	87.7	[76.6, 94.0]	100.0
Pearson: Uncorrected chi2(1) =	0.8211				
Design-based F(1.00, 508.00) =	0.5975	Pr =	0.440		
Total (n=520)	9.5	[6.6, 13.3]	90.5	[86.7, 93.4]	100.0

Note: Total n is less than universe N due to item non-response.

0.9.4 Q: What are the reasons you are unable to work?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were unable to work (N=526)

Reasons unable to work	Weighted Proportion	95% CI
Poor health/disability (n=483)	91.4	[87.8, 94.0]
Caregiving responsibilities (n=36)	7.1	[4.8, 10.3]
In school or other training (n=3)	1.1	[0.3, 3.9]
Prior conviction (n=1)	0.6	[0.1, 4.3]
Transportation/logistics (n=3)	0.5	[0.1, 2.0]
Couldn't find work (n=2)	0.5	[0.1, 2.0]
Other (n=2)	0.2	[0.0, 0.7]
Employers think I'm too old or too young (n=1)	0.2	[0.0, 1.2]

Note: Respondents were able to provide multiple responses.

0.9.4.1 Q: Were those caregiving responsibilities for your child/children/another family member/another person?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were unable to work due to caregiving responsibilities (N=36)

Unable to work due to caregiving responsibilities	Weighted Proportion
For your child/children (n=22)	54.3
For another family member (n=14)	45.7
Total (n=36)	100.0

Note: Confidence interval omitted due to small sample size.

0.9.5 Q: How long have you been out of work?

Follow-up group(s): Enrolled

Universe: Respondents who were out of work (N=283)

	Time out of work				Total Row %
	Less than one year		One year or more		
	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=246)	30.2	[23.9, 37.5]	69.8	[62.5, 76.1]	100.0
Churned off/on (n=31)	89.4	[70.9, 96.7]	10.6	[3.3, 29.1]	100.0
Pearson: Uncorrected chi2(1) =	53.0053				
Design-based F(1.00, 265.00) =	33.5832	Pr =	0.000		
Age (DW)					
19-34 (n=69)	40.2	[28.4, 53.2]	59.8	[46.8, 71.6]	100.0
35-50 (n=100)	47.0	[35.4, 59.0]	53.0	[41.0, 64.6]	100.0
51-64 (n=108)	26.4	[16.9, 38.7]	73.6	[61.3, 83.1]	100.0
Pearson: Uncorrected chi2(2) =	7.5217				
Design-based F(1.95, 515.95) =	2.5929	Pr =	0.077		
Gender (DW)					
Male (n=112)	43.2	[33.0, 54.1]	56.8	[45.9, 67.0]	100.0
Female (n=165)	34.9	[26.6, 44.4]	65.1	[55.6, 73.4]	100.0
Pearson: Uncorrected chi2(1) =	1.9825				
Design-based F(1.00, 265.00) =	1.3661	Pr =	0.244		
Race/ethnicity, detailed (2016)					
White (n=160)	39.5	[30.4, 49.3]	60.5	[50.7, 69.6]	100.0
Black (n=77)	41.2	[29.2, 54.4]	58.8	[45.6, 70.8]	100.0
Hispanic (n=8)	47.2	[15.6, 81.3]	52.8	[18.7, 84.4]	100.0
Arab/Chaldean (n=14)	16.3	[5.0, 42.2]	83.7	[57.8, 95.0]	100.0
Other/more than one (n=9)	65.5	[24.3, 91.8]	34.5	[8.2, 75.7]	100.0
Pearson: Uncorrected chi2(4) =	7.2654				
Design-based F(3.65, 934.66) =	1.3336	Pr =	0.258		
FPL category (DW)					
0-35% (n=187)	40.3	[32.1, 49.1]	59.7	[50.9, 67.9]	100.0
36-99% (n=62)	26.9	[14.9, 43.7]	73.1	[56.3, 85.1]	100.0
100%+ (n=28)	60.6	[38.6, 78.9]	39.4	[21.1, 61.4]	100.0
Pearson: Uncorrected chi2(2) =	8.3232				
Design-based F(1.97, 521.64) =	2.9500	Pr =	0.054		
Region (DW)					
UP/NW/NE (n=41)	24.0	[11.5, 43.3]	76.0	[56.7, 88.5]	100.0
W/E Central/E (n=86)	45.0	[32.6, 58.1]	55.0	[41.9, 67.4]	100.0
S Central/SW/SE (n=53)	44.1	[29.2, 60.1]	55.9	[39.9, 70.8]	100.0
Detroit Metro (n=97)	37.0	[27.1, 48.2]	63.0	[51.8, 72.9]	100.0
Pearson: Uncorrected chi2(3) =	3.4233				
Design-based F(2.74, 727.01) =	1.0131	Pr =	0.382		
Chronic condition (2016, 2017, 2018)					
Yes (n=193)	35.8	[27.9, 44.6]	64.2	[55.4, 72.1]	100.0
No (n=84)	45.9	[33.6, 58.8]	54.1	[41.2, 66.4]	100.0
Pearson: Uncorrected chi2(1) =	2.6956				
Design-based F(1.00, 265.00) =	1.6881	Pr =	0.195		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=170)	43.2	[34.4, 52.5]	56.8	[47.5, 65.6]	100.0
No (n=107)	33.2	[23.2, 45.1]	66.8	[54.9, 76.8]	100.0
Pearson: Uncorrected chi2(1) =	2.7473				
Design-based F(1.00, 265.00) =	1.8154	Pr =	0.179		
Total (n=277)	39.4	[32.5, 46.6]	60.6	[53.4, 67.5]	100.0

Note: Total n is less than universe N due to item non-response.

0.9.6 Q: In the past year, about how many weeks, in total, were you out of work?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were out of work (for those who took the Enrolled survey, this was limited to those who reported less than a year of being out of work) (N=159)

	Number of weeks out of work			N
	Mean	SE	95% CI	
HMP/Medicaid enrollment pattern (DW)				
Stayed on	25.8	2.21	[21.5, 30.2]	102
Went off for 6+ months	22.2	5.96	[10.4, 33.9]	16
Churned off/on	21.1	2.56	[16.1, 26.2]	27
Gender (DW)				
Male	23.3	2.32	[18.7, 27.9]	61
Female	25.5	2.50	[20.5, 30.4]	84
Age (DW)				
19-34	24.9	3.05	[18.9, 30.9]	47
35-50	23.2	2.42	[18.4, 28.0]	63
51-64	25.9	3.44	[19.1, 32.7]	35
Race/ethnicity, detailed (2016)				
White	27.8	2.31	[23.2, 32.3]	81
Black	22.1	3.08	[16.0, 28.2]	39
Hispanic	19.2	6.47	[6.4, 32.0]	7
Arab/Chaldean	19.9	6.50	[7.1, 32.8]	7
Other/more than one	15.7	6.05	[3.7, 27.7]	9
FPL category (DW)				
0-35%	25.4	2.04	[21.3, 29.4]	107
36-99%	22.3	4.05	[14.3, 30.3]	21
100%+	20.2	3.93	[12.5, 28.0]	17
Region (DW)				
UP/NW/NE	24.6	5.51	[13.7, 35.5]	19
W/E Central/E	23.0	3.22	[16.6, 29.4]	46
S Central/SW/SE	29.2	3.59	[22.1, 36.3]	30
Detroit Metro	23.2	2.58	[18.1, 28.3]	50
Chronic condition (2016, 2017, 2018)				
Yes	24.0	2.25	[19.5, 28.4]	86
No	24.8	2.61	[19.6, 29.9]	59
MH/SUD (2016, 2017, 2018 or DW)				
Yes	25.8	2.05	[21.8, 29.9]	103
No	20.6	2.90	[14.8, 26.3]	42
Total	24.3	1.69	[21.0, 27.7]	145

Note: Total n is less than universe N due to item non-response. Responses were non-normally distributed: 58.1% reported 1-24 weeks out of work, 22.0% reported 26-51 weeks, and 19.9% reported 52 weeks.

0.9.7 Q: What are the reasons you are out of work?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were out of work (N=343)

Reasons out of work	Weighted Proportion	95% CI
Couldn't find work (n=112)	35.1	[29.2, 41.6]
Poor health/disability (n=82)	24.1	[19.0, 30.0]
Caregiving responsibilities (n=84)	21.5	[17.1, 26.7]
Laid off (n=33)	10.2	[6.8, 15.1]
Other (n=28)	7.6	[4.8, 11.9]
Transportation/logistics (n=17)	5.7	[3.2, 9.7]
No work available nearby (n=12)	2.2	[1.0, 4.8]
In school or other training (n=6)	2.1	[0.9, 5.0]
Prior conviction (n=7)	1.9	[0.8, 4.5]
Employers think I'm too old or too young (n=10)	1.4	[0.7, 3.0]
Lack necessary school, training, skills, or experience for available jobs (n=4)	1.1	[0.4, 3.4]

Note: Respondents were able to provide multiple responses.

0.9.7.1 Q: Were those caregiving responsibilities for your child/children/another family member/another person?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were out of work due to caregiving responsibilities (N=84)

Out of work due to caregiving responsibilities	Weighted Proportion	95% CI
For your child/children (n=50)	64.9	[53.9, 74.6]
For another family member (n=32)	30.1	[21.2, 40.9]
Other (n=2)	4.9	[1.2, 18.0]
Total (n=84)	100.0	

0.9.8 Q: Are you currently looking for a job?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were not employed or self-employed (N=1,137)

	Looking for a job				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=950)	33.9	[30.1, 38.0]	66.1	[62.0, 69.9]	100.0
Off for 6+ months (n=73)	37.4	[23.8, 53.3]	62.6	[46.7, 76.2]	100.0
Churned off/on (n=77)	63.6	[50.2, 75.2]	36.4	[24.8, 49.8]	100.0
Pearson: Uncorrected chi2(2) =	34.1061				
Design-based F(2.00, 2173.42) =	9.7726	Pr =	0.000		
Age (DW)					
19-34 (n=169)	54.5	[46.0, 62.8]	45.5	[37.2, 54.0]	100.0
35-50 (n=309)	40.6	[34.1, 47.4]	59.4	[52.6, 65.9]	100.0
51-64 (n=622)	21.7	[17.6, 26.5]	78.3	[73.5, 82.4]	100.0
Pearson: Uncorrected chi2(2) =	82.2270				
Design-based F(1.95, 2126.47) =	23.2652	Pr =	0.000		
Gender (DW)					
Male (n=432)	41.9	[36.2, 47.9]	58.1	[52.1, 63.8]	100.0
Female (n=668)	31.8	[27.3, 36.6]	68.2	[63.4, 72.7]	100.0
Pearson: Uncorrected chi2(1) =	12.2328				
Design-based F(1.00, 1088.00) =	7.1309	Pr =	0.008		
Race/ethnicity, detailed (2016)					
White (n=728)	31.1	[26.7, 35.8]	68.9	[64.2, 73.3]	100.0
Black (n=211)	42.9	[35.1, 51.1]	57.1	[48.9, 64.9]	100.0
Hispanic (n=42)	47.0	[29.3, 65.4]	53.0	[34.6, 70.7]	100.0
Arab/Chaldean (n=35)	46.3	[28.2, 65.5]	53.7	[34.5, 71.8]	100.0
Other/more than one (n=61)	49.9	[34.1, 65.7]	50.1	[34.3, 65.9]	100.0
Pearson: Uncorrected chi2(4) =	22.1316				
Design-based F(3.93, 4184.50) =	2.9995	Pr =	0.018		
FPL category (DW)					
0-35% (n=821)	35.8	[31.6, 40.2]	64.2	[59.8, 68.4]	100.0
36-99% (n=186)	39.6	[30.6, 49.3]	60.4	[50.7, 69.4]	100.0
100%+ (n=93)	42.4	[30.0, 55.9]	57.6	[44.1, 70.0]	100.0
Pearson: Uncorrected chi2(2) =	1.9492				
Design-based F(1.98, 2158.84) =	0.6251	Pr =	0.534		
Region (DW)					
UP/NW/NE (n=210)	24.6	[18.5, 32.1]	75.4	[67.9, 81.5]	100.0
W/E Central/E (n=362)	33.2	[27.3, 39.7]	66.8	[60.3, 72.7]	100.0
S Central/SW/SE (n=223)	35.3	[27.9, 43.6]	64.7	[56.4, 72.1]	100.0
Detroit Metro (n=305)	42.2	[35.8, 48.9]	57.8	[51.1, 64.2]	100.0
Pearson: Uncorrected chi2(3) =	14.2895				
Design-based F(2.67, 2904.28) =	3.6401	Pr =	0.016		
Chronic condition (2016, 2017, 2018)					
Yes (n=861)	31.9	[27.9, 36.1]	68.1	[63.9, 72.1]	100.0
No (n=239)	50.4	[42.7, 58.1]	49.6	[41.9, 57.3]	100.0
Pearson: Uncorrected chi2(1) =	32.0310				
Design-based F(1.00, 1088.00) =	17.7485	Pr =	0.000		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=789)	33.4	[29.2, 37.9]	66.6	[62.1, 70.8]	100.0
No (n=311)	45.9	[38.8, 53.2]	54.1	[46.8, 61.2]	100.0
Pearson: Uncorrected chi2(1) =	14.6794				
Design-based F(1.00, 1088.00) =	8.6493	Pr =	0.003		
Total (n=1,100)	36.8	[33.2, 40.7]	63.2	[59.3, 66.8]	100.0

Note: Total n is less than universe N due to item non-response.

0.9.9 Q: In the last 2 years, have you completed or are you currently enrolled in training, programs, or courses to increase your chances of getting or keeping a job?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were not employed or self-employed (N=1,137)

	Recently completed/enrolled in job training program				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=948)	8.4	[6.3, 11.2]	91.6	[88.8, 93.7]	100.0
Off for 6+ months (n=72)	3.7	[1.2, 11.3]	96.3	[88.7, 98.8]	100.0
Churned off/on (n=77)	19.3	[10.0, 33.8]	80.7	[66.2, 90.0]	100.0
Pearson: Uncorrected chi2(2) =	15.2537				
Design-based F(1.68, 1827.19) =	4.8762	Pr =	0.012		
Age (DW)					
19-34 (n=166)	13.9	[8.9, 21.3]	86.1	[78.7, 91.1]	100.0
35-50 (n=310)	10.6	[7.0, 15.8]	89.4	[84.2, 93.0]	100.0
51-64 (n=621)	4.6	[2.9, 7.3]	95.4	[92.7, 97.1]	100.0
Pearson: Uncorrected chi2(2) =	19.3618				
Design-based F(1.90, 2056.75) =	5.5904	Pr =	0.004		
Gender (DW)					
Male (n=429)	10.8	[7.5, 15.5]	89.2	[84.5, 92.5]	100.0
Female (n=668)	7.4	[5.3, 10.4]	92.6	[89.6, 94.7]	100.0
Pearson: Uncorrected chi2(1) =	3.7979				
Design-based F(1.00, 1085.00) =	2.1956	Pr =	0.139		
Race/ethnicity, detailed (2016)					
White (n=727)	5.5	[3.7, 8.2]	94.5	[91.8, 96.3]	100.0
Black (n=211)	13.5	[8.8, 20.1]	86.5	[79.9, 91.2]	100.0
Hispanic (n=41)	1.4	[0.2, 9.5]	98.6	[90.5, 99.8]	100.0
Arab/Chaldean (n=35)	32.0	[16.4, 53.1]	68.0	[46.9, 83.6]	100.0
Other/more than one (n=61)	1.8	[0.3, 12.0]	98.2	[88.0, 99.7]	100.0
Pearson: Uncorrected chi2(4) =	61.5016				
Design-based F(3.34, 3549.32) =	10.4965	Pr =	0.000		
FPL category (DW)					
0-35% (n=819)	8.6	[6.3, 11.6]	91.4	[88.4, 93.7]	100.0
36-99% (n=186)	12.8	[7.3, 21.7]	87.2	[78.3, 92.7]	100.0
100%+ (n=92)	6.2	[2.2, 16.6]	93.8	[83.4, 97.8]	100.0
Pearson: Uncorrected chi2(2) =	3.8476				
Design-based F(1.93, 2095.73) =	1.1575	Pr =	0.313		
Region (DW)					
UP/NW/NE (n=209)	5.4	[2.9, 9.6]	94.6	[90.4, 97.1]	100.0
W/E Central/E (n=364)	7.8	[4.6, 12.9]	92.2	[87.1, 95.4]	100.0
S Central/SW/SE (n=221)	7.5	[4.5, 12.3]	92.5	[87.7, 95.5]	100.0
Detroit Metro (n=303)	11.4	[7.7, 16.4]	88.6	[83.6, 92.3]	100.0
Pearson: Uncorrected chi2(3) =	5.8649				
Design-based F(2.46, 2669.36) =	1.5457	Pr =	0.208		
Chronic condition (2016, 2017, 2018)					
Yes (n=858)	8.1	[5.9, 10.9]	91.9	[89.1, 94.1]	100.0
No (n=239)	12.0	[7.5, 18.8]	88.0	[81.2, 92.5]	100.0
Pearson: Uncorrected chi2(1) =	4.0958				
Design-based F(1.00, 1085.00) =	2.0023	Pr =	0.157		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=787)	9.1	[6.7, 12.2]	90.9	[87.8, 93.3]	100.0
No (n=310)	9.2	[5.5, 15.1]	90.8	[84.9, 94.5]	100.0
Pearson: Uncorrected chi2(1) =	0.0042				
Design-based F(1.00, 1085.00) =	0.0021	Pr =	0.964		
Total (n=1,097)	9.1	[7.0, 11.8]	90.9	[88.2, 93.0]	100.0

Note: Total n is less than universe N due to item non-response.

0.9.10 Q: In the past 30 days, how many days have you experienced problems related to transportation that would affect your ability to get or keep a job?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were not employed or self-employed (N=1,137)

	Number of days transportation problems would have affected ability to get/keep a job			N
	Mean	SE	95% CI	
HMP/Medicaid enrollment pattern (DW)				
Stayed on	7.3	0.51	[6.3, 8.3]	910
Went off for 6+ months	7.9	2.12	[3.7, 12.0]	71
Churned off/on	6.5	1.66	[3.3, 9.8]	76
Gender (DW)				
Male	7.8	0.74	[6.4, 9.3]	417
Female	6.7	0.60	[5.5, 7.9]	640
Age (DW)				
19-34	7.7	1.08	[5.6, 9.8]	163
35-50	7.5	0.83	[5.9, 9.2]	299
51-64	6.7	0.65	[5.4, 8.0]	595
Race/ethnicity, detailed (2016)				
White	6.9	0.60	[5.7, 8.1]	702
Black	7.5	0.99	[5.5, 9.4]	202
Hispanic	8.9	2.66	[3.7, 14.1]	40
Arab/Chaldean	3.3	1.86	[-0.4, 6.9]	34
Other/more than one	10.9	2.36	[6.3, 15.6]	57
FPL category (DW)				
0-35%	8.0	0.57	[6.9, 9.2]	789
36-99%	5.0	0.94	[3.2, 6.9]	177
100%+	3.7	1.09	[1.6, 5.9]	91
Region (DW)				
UP/NW/NE	4.9	0.79	[3.4, 6.5]	200
W/E Central/E	7.7	0.80	[6.1, 9.2]	352
S Central/SW/SE	6.3	0.87	[4.6, 8.0]	216
Detroit Metro	7.9	0.86	[6.2, 9.5]	289
Chronic condition (2016, 2017, 2018)				
Yes	8.3	0.57	[7.2, 9.4]	823
No	4.6	0.81	[3.0, 6.2]	234
MH/SUD (2016, 2017, 2018 or DW)				
Yes	8.0	0.58	[6.8, 9.1]	754
No	5.5	0.82	[3.9, 7.1]	303
Total	7.3	0.48	[6.3, 8.2]	1057

Note: Total n is less than universe N due to item non-response. Responses are non-normally distributed: 67.5% reported 0 days with problems related to transportation that would affect their ability to get or keep a job, 8.5% reported 1-14 days, 4.8% reported 15-29 days, and 19.2% reported 30 days.

0.10 Q: In the past 12 months, did you spend time caring for a person who could not care for themselves due to illness or disability?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Yes		Caregiver No		Total Row %
	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,998)	31.8	[29.3, 34.4]	68.2	[65.6, 70.7]	100.0
Off for 6+ months (n=397)	25.3	[20.5, 30.7]	74.7	[69.3, 79.5]	100.0
Churned off/on (n=202)	34.2	[26.6, 42.8]	65.8	[57.2, 73.4]	100.0
Pearson: Uncorrected chi2(2) =	8.1768				
Design-based F(1.97, 5098.49) =	2.3945	Pr =	0.092		
Age (DW)					
19-34 (n=734)	28.8	[25.2, 32.8]	71.2	[67.2, 74.8]	100.0
35-50 (n=810)	34.7	[30.8, 38.8]	65.3	[61.2, 69.2]	100.0
51-64 (n=1,053)	29.3	[26.1, 32.8]	70.7	[67.2, 73.9]	100.0
Pearson: Uncorrected chi2(2) =	8.8363				
Design-based F(1.92, 4953.03) =	3.0415	Pr =	0.050		
Gender (DW)					
Male (n=1,002)	27.4	[24.2, 31.0]	72.6	[69.0, 75.8]	100.0
Female (n=1,595)	34.3	[31.5, 37.2]	65.7	[62.8, 68.5]	100.0
Pearson: Uncorrected chi2(1) =	14.3341				
Design-based F(1.00, 2585.00) =	8.8157	Pr =	0.003		
Race/ethnicity, detailed (2016)					
White (n=1,687)	29.5	[26.9, 32.3]	70.5	[67.7, 73.1]	100.0
Black (n=535)	33.4	[28.8, 38.3]	66.6	[61.7, 71.2]	100.0
Hispanic (n=105)	28.9	[19.7, 40.2]	71.1	[59.8, 80.3]	100.0
Arab/Chaldean (n=106)	29.6	[20.4, 40.7]	70.4	[59.3, 79.6]	100.0
Other/more than one (n=130)	38.3	[28.5, 49.3]	61.7	[50.7, 71.5]	100.0
Pearson: Uncorrected chi2(4) =	7.6900				
Design-based F(3.96, 10092.89) =	1.0816	Pr =	0.363		
FPL category (DW)					
0-35% (n=1,507)	30.2	[27.4, 33.2]	69.8	[66.8, 72.6]	100.0
36-99% (n=645)	33.9	[29.6, 38.5]	66.1	[61.5, 70.4]	100.0
100%+ (n=445)	29.6	[24.7, 35.1]	70.4	[64.9, 75.3]	100.0
Pearson: Uncorrected chi2(2) =	3.2164				
Design-based F(1.99, 5156.29) =	1.1350	Pr =	0.321		
Region (DW)					
UP/NW/NE (n=485)	30.1	[25.7, 35.0]	69.9	[65.0, 74.3]	100.0
W/E Central/E (n=817)	28.1	[24.6, 31.8]	71.9	[68.2, 75.4]	100.0
S Central/SW/SE (n=526)	29.9	[25.4, 34.7]	70.1	[65.3, 74.6]	100.0
Detroit Metro (n=769)	33.5	[29.7, 37.5]	66.5	[62.5, 70.3]	100.0
Pearson: Uncorrected chi2(3) =	6.6833				
Design-based F(2.72, 7018.38) =	1.8480	Pr =	0.142		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,730)	31.4	[28.7, 34.2]	68.6	[65.8, 71.3]	100.0
No (n=867)	30.4	[26.8, 34.2]	69.6	[65.8, 73.2]	100.0
Pearson: Uncorrected chi2(1) =	0.2957				
Design-based F(1.00, 2585.00) =	0.1837	Pr =	0.668		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,686)	32.3	[29.6, 35.1]	67.7	[64.9, 70.4]	100.0
No (n=911)	28.7	[25.2, 32.5]	71.3	[67.5, 74.8]	100.0
Pearson: Uncorrected chi2(1) =	3.6416				
Design-based F(1.00, 2585.00) =	2.2883	Pr =	0.130		
Total (n=2,597)	31.0	[28.8, 33.2]	69.0	[66.8, 71.2]	100.0

Note: Total n is less than universe N due to item non-response.

0.10.1 Q: In the past 12 months, did you go from working full-time to part-time, or cut back your hours because you were caring for a person who could not care for themselves due to illness or disability?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were caregivers (N=821)

	Yes		Cut back hours No		Don't know		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=645)	25.2	[21.2, 29.7]	71.3	[66.6, 75.6]	3.5	[2.0, 6.2]	100.0
Off for 6+ months (n=107)	23.7	[15.4, 34.5]	76.3	[65.5, 84.6]	0.0		100.0
Churned off/on (n=65)	47.9	[33.5, 62.7]	51.3	[36.7, 65.8]	0.7	[0.2, 3.0]	100.0
Pearson: Uncorrected chi2(4) =	26.0772						
Design-based F(3.30, 2658.29) =	4.6350	Pr =	0.002				
Age (DW)							
19-34 (n=214)	24.8	[18.6, 32.3]	70.9	[63.2, 77.6]	4.3	[1.9, 9.2]	100.0
35-50 (n=277)	30.6	[24.4, 37.7]	67.6	[60.5, 74.0]	1.8	[0.6, 5.7]	100.0
51-64 (n=326)	26.6	[20.8, 33.2]	71.6	[64.8, 77.4]	1.9	[0.8, 4.6]	100.0
Pearson: Uncorrected chi2(4) =	6.4561						
Design-based F(3.70, 2982.10) =	1.0410	Pr =	0.382				
Gender (DW)							
Male (n=257)	30.7	[24.1, 38.1]	66.5	[59.1, 73.3]	2.8	[1.1, 7.1]	100.0
Female (n=560)	25.0	[20.9, 29.7]	72.3	[67.5, 76.6]	2.7	[1.4, 5.3]	100.0
Pearson: Uncorrected chi2(2) =	3.2446						
Design-based F(1.99, 1599.38) =	0.8773	Pr =	0.416				
Race/ethnicity, detailed (2016)							
White (n=512)	21.3	[17.4, 25.9]	76.5	[71.7, 80.7]	2.2	[0.9, 4.9]	100.0
Black (n=187)	35.5	[27.6, 44.3]	63.0	[54.2, 71.1]	1.4	[0.2, 8.2]	100.0
Hispanic (n=32)	37.6	[19.2, 60.4]	60.3	[38.1, 79.0]	2.1	[0.5, 8.4]	100.0
Arab/Chaldean (n=28)	37.6	[19.8, 59.6]	53.8	[33.2, 73.1]	8.6	[2.7, 24.2]	100.0
Other/more than one (n=49)	23.6	[11.7, 41.9]	68.2	[49.7, 82.3]	8.2	[2.2, 26.2]	100.0
Pearson: Uncorrected chi2(8) =	35.6035						
Design-based F(7.12, 5665.04) =	2.4870	Pr =	0.014				
FPL category (DW)							
0-35% (n=442)	27.1	[22.2, 32.8]	69.3	[63.6, 74.5]	3.5	[1.9, 6.5]	100.0
36-99% (n=237)	27.3	[20.8, 34.8]	70.3	[62.5, 77.0]	2.5	[0.7, 8.6]	100.0
100%+ (n=138)	29.1	[20.5, 39.5]	70.9	[60.5, 79.5]	0.0		100.0
Pearson: Uncorrected chi2(4) =	4.6762						
Design-based F(3.87, 3117.28) =	0.6856	Pr =	0.597				
Region (DW)							
UP/NW/NE (n=149)	20.8	[14.6, 28.7]	77.3	[69.2, 83.8]	1.9	[0.6, 5.9]	100.0
W/E Central/E (n=243)	21.3	[15.7, 28.1]	77.5	[70.6, 83.2]	1.2	[0.3, 4.0]	100.0
S Central/SW/SE (n=170)	27.2	[19.9, 35.9]	71.2	[62.4, 78.6]	1.6	[0.4, 6.3]	100.0
Detroit Metro (n=255)	32.1	[25.7, 39.1]	63.8	[56.6, 70.4]	4.1	[2.0, 8.4]	100.0
Pearson: Uncorrected chi2(6) =	16.9741						
Design-based F(5.31, 4272.44) =	2.6011	Pr =	0.021				
Chronic condition (2016, 2017, 2018)							
Yes (n=548)	29.5	[24.8, 34.7]	68.7	[63.4, 73.5]	1.8	[0.8, 4.1]	100.0
No (n=269)	24.0	[18.3, 30.9]	71.7	[64.5, 77.9]	4.3	[2.0, 9.0]	100.0
Pearson: Uncorrected chi2(2) =	6.4096						
Design-based F(2.00, 1607.28) =	1.8135	Pr =	0.163				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=537)	27.8	[23.3, 32.7]	69.8	[64.8, 74.4]	2.4	[1.2, 4.6]	100.0
No (n=280)	26.8	[20.4, 34.4]	69.7	[61.9, 76.5]	3.5	[1.3, 8.8]	100.0
Pearson: Uncorrected chi2(2) =	0.8499						
Design-based F(1.99, 1598.91) =	0.2272	Pr =	0.795				
Total (n=817)	27.5	[23.7, 31.5]	69.8	[65.6, 73.7]	2.7	[1.6, 4.8]	100.0

Note: Total n is less than universe N due to item non-response.

0.10.2 Q: In the past 12 months, did you receive a warning about your performance or attendance at work because you were caring for a person who could not care for themselves due to illness or disability?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were caregivers (N=821)

	Received performance warning at work				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=635)	6.9	[4.7, 9.9]	93.1	[90.1, 95.3]	100.0
Off for 6+ months (n=106)	12.3	[5.5, 25.3]	87.7	[74.7, 94.5]	100.0
Churned off/on (n=64)	19.8	[10.0, 35.3]	80.2	[64.7, 90.0]	100.0
Pearson: Uncorrected chi2(2) =	17.2718				
Design-based F(1.99, 1579.36) =	3.9784	Pr =	0.019		
Age (DW)					
19-34 (n=210)	12.0	[7.6, 18.4]	88.0	[81.6, 92.4]	100.0
35-50 (n=277)	10.9	[6.9, 16.6]	89.1	[83.4, 93.1]	100.0
51-64 (n=318)	1.7	[0.7, 4.1]	98.3	[95.9, 99.3]	100.0
Pearson: Uncorrected chi2(2) =	17.3476				
Design-based F(1.68, 1328.56) =	6.3449	Pr =	0.003		
Gender (DW)					
Male (n=255)	11.3	[7.0, 17.5]	88.7	[82.5, 93.0]	100.0
Female (n=550)	7.3	[5.0, 10.6]	92.7	[89.4, 95.0]	100.0
Pearson: Uncorrected chi2(1) =	3.7428				
Design-based F(1.00, 793.00) =	2.0504	Pr =	0.153		
Race/ethnicity, detailed (2016)					
White (n=504)	5.0	[3.1, 8.1]	95.0	[91.9, 96.9]	100.0
Black (n=186)	12.0	[6.9, 19.8]	88.0	[80.2, 93.1]	100.0
Hispanic (n=32)	20.3	[6.4, 48.7]	79.7	[51.3, 93.6]	100.0
Arab/Chaldean (n=26)	14.8	[5.1, 35.8]	85.2	[64.2, 94.9]	100.0
Other/more than one (n=48)	15.2	[6.8, 30.8]	84.8	[69.2, 93.2]	100.0
Pearson: Uncorrected chi2(4) =	20.7075				
Design-based F(3.89, 3052.62) =	2.6445	Pr =	0.033		
FPL category (DW)					
0-35% (n=430)	9.2	[6.0, 13.8]	90.8	[86.2, 94.0]	100.0
36-99% (n=237)	8.8	[5.0, 15.0]	91.2	[85.0, 95.0]	100.0
100%+ (n=138)	8.7	[4.1, 17.3]	91.3	[82.7, 95.9]	100.0
Pearson: Uncorrected chi2(2) =	0.0481				
Design-based F(1.99, 1577.68) =	0.0144	Pr =	0.985		
Region (DW)					
UP/NW/NE (n=147)	3.1	[1.1, 8.3]	96.9	[91.7, 98.9]	100.0
W/E Central/E (n=241)	7.8	[4.1, 14.3]	92.2	[85.7, 95.9]	100.0
S Central/SW/SE (n=168)	11.7	[7.1, 18.7]	88.3	[81.3, 92.9]	100.0
Detroit Metro (n=249)	9.8	[6.0, 15.4]	90.2	[84.6, 94.0]	100.0
Pearson: Uncorrected chi2(3) =	4.9451				
Design-based F(2.55, 2018.82) =	1.2261	Pr =	0.298		
Chronic condition (2016, 2017, 2018)					
Yes (n=542)	9.4	[6.4, 13.6]	90.6	[86.4, 93.6]	100.0
No (n=263)	8.4	[5.0, 13.9]	91.6	[86.1, 95.0]	100.0
Pearson: Uncorrected chi2(1) =	0.2189				
Design-based F(1.00, 793.00) =	0.1156	Pr =	0.734		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=528)	9.6	[6.7, 13.5]	90.4	[86.5, 93.3]	100.0
No (n=277)	7.9	[4.3, 14.1]	92.1	[85.9, 95.7]	100.0
Pearson: Uncorrected chi2(1) =	0.6670				
Design-based F(1.00, 793.00) =	0.3249	Pr =	0.569		
Total (n=805)	9.0	[6.6, 12.2]	91.0	[87.8, 93.4]	100.0

Note: Total n is less than universe N due to item non-response.

0.10.3 Q: In the past 12 months, did you lose any of your job benefits because you were caring for a person who could not care for themselves due to illness or disability?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were caregivers (N=821)

	Lost job benefits				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=635)	4.1	[2.5, 6.7]	95.9	[93.3, 97.5]	100.0
Off for 6+ months (n=105)	4.5	[1.2, 15.4]	95.5	[84.6, 98.8]	100.0
Churned off/on (n=64)	21.8	[11.1, 38.5]	78.2	[61.5, 88.9]	100.0
Pearson: Uncorrected chi2(2) =	42.8162				
Design-based F(1.99, 1577.46) =	9.8315	Pr =	0.000		
Age (DW)					
19-34 (n=210)	8.1	[4.5, 14.4]	91.9	[85.6, 95.5]	100.0
35-50 (n=276)	5.4	[2.7, 10.6]	94.6	[89.4, 97.3]	100.0
51-64 (n=318)	4.1	[1.9, 8.7]	95.9	[91.3, 98.1]	100.0
Pearson: Uncorrected chi2(2) =	3.7619				
Design-based F(1.90, 1505.35) =	1.0132	Pr =	0.360		
Gender (DW)					
Male (n=255)	7.5	[4.1, 13.5]	92.5	[86.5, 95.9]	100.0
Female (n=549)	5.0	[3.1, 8.0]	95.0	[92.0, 96.9]	100.0
Pearson: Uncorrected chi2(1) =	2.2307				
Design-based F(1.00, 792.00) =	1.0997	Pr =	0.295		
Race/ethnicity, detailed (2016)					
White (n=506)	5.0	[2.8, 8.6]	95.0	[91.4, 97.2]	100.0
Black (n=185)	6.9	[3.3, 13.8]	93.1	[86.2, 96.7]	100.0
Hispanic (n=32)	0.0		100.0		100.0
Arab/Chaldean (n=25)	13.8	[3.6, 41.0]	86.2	[59.0, 96.4]	100.0
Other/more than one (n=47)	8.9	[2.6, 26.1]	91.1	[73.9, 97.4]	100.0
Pearson: Uncorrected chi2(4) =	8.6354				
Design-based F(3.88, 3034.47) =	0.9949	Pr =	0.407		
FPL category (DW)					
0-35% (n=429)	7.9	[4.9, 12.4]	92.1	[87.6, 95.1]	100.0
36-99% (n=237)	2.4	[1.1, 5.1]	97.6	[94.9, 98.9]	100.0
100%+ (n=138)	5.3	[1.9, 13.9]	94.7	[86.1, 98.1]	100.0
Pearson: Uncorrected chi2(2) =	7.7363				
Design-based F(1.81, 1431.68) =	2.7782	Pr =	0.068		
Region (DW)					
UP/NW/NE (n=146)	1.3	[0.4, 4.1]	98.7	[95.9, 99.6]	100.0
W/E Central/E (n=242)	4.3	[1.7, 10.3]	95.7	[89.7, 98.3]	100.0
S Central/SW/SE (n=167)	9.0	[4.8, 16.2]	91.0	[83.8, 95.2]	100.0
Detroit Metro (n=249)	6.8	[3.7, 12.2]	93.2	[87.8, 96.3]	100.0
Pearson: Uncorrected chi2(3) =	6.3180				
Design-based F(2.30, 1818.95) =	1.5321	Pr =	0.213		
Chronic condition (2016, 2017, 2018)					
Yes (n=540)	6.7	[4.1, 10.5]	93.3	[89.5, 95.9]	100.0
No (n=264)	5.1	[2.4, 10.4]	94.9	[89.6, 97.6]	100.0
Pearson: Uncorrected chi2(1) =	0.7681				
Design-based F(1.00, 792.00) =	0.3525	Pr =	0.553		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=526)	6.2	[3.9, 9.8]	93.8	[90.2, 96.1]	100.0
No (n=278)	5.9	[2.8, 12.1]	94.1	[87.9, 97.2]	100.0
Pearson: Uncorrected chi2(1) =	0.0222				
Design-based F(1.00, 792.00) =	0.0099	Pr =	0.921		
Total (n=804)	6.1	[4.1, 9.0]	93.9	[91.0, 95.9]	100.0

Note: Total n is less than universe N due to item non-response.

0.10.4 Q: In the past 12 months, did you take a leave of absence from work because you were caring for a person who could not care for themselves due to illness or disability?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were caregivers (N=821)

	Took leave of absence from work				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=633)	6.0	[4.3, 8.1]	94.0	[91.9, 95.7]	100.0
Off for 6+ months (n=106)	16.4	[9.2, 27.6]	83.6	[72.4, 90.8]	100.0
Churned off/on (n=63)	19.2	[10.6, 32.3]	80.8	[67.7, 89.4]	100.0
Pearson: Uncorrected chi2(2) =	25.4756				
Design-based F(1.98, 1564.97) =	8.3608	Pr =	0.000		
Age (DW)					
19-34 (n=209)	11.8	[7.7, 17.5]	88.2	[82.5, 92.3]	100.0
35-50 (n=275)	8.0	[5.4, 11.7]	92.0	[88.3, 94.6]	100.0
51-64 (n=318)	5.6	[3.4, 9.0]	94.4	[91.0, 96.6]	100.0
Pearson: Uncorrected chi2(2) =	6.0586				
Design-based F(1.87, 1475.71) =	2.7989	Pr =	0.065		
Gender (DW)					
Male (n=253)	5.1	[2.9, 8.8]	94.9	[91.2, 97.1]	100.0
Female (n=549)	11.5	[8.7, 15.2]	88.5	[84.8, 91.3]	100.0
Pearson: Uncorrected chi2(1) =	10.2163				
Design-based F(1.00, 790.00) =	7.2097	Pr =	0.007		
Race/ethnicity, detailed (2016)					
White (n=503)	9.7	[7.1, 13.1]	90.3	[86.9, 92.9]	100.0
Black (n=186)	8.0	[4.6, 13.6]	92.0	[86.4, 95.4]	100.0
Hispanic (n=32)	2.6	[0.4, 16.5]	97.4	[83.5, 99.6]	100.0
Arab/Chaldean (n=25)	10.7	[3.2, 30.2]	89.3	[69.8, 96.8]	100.0
Other/more than one (n=47)	7.7	[1.9, 25.7]	92.3	[74.3, 98.1]	100.0
Pearson: Uncorrected chi2(4) =	2.5700				
Design-based F(3.67, 2868.43) =	0.4207	Pr =	0.778		
FPL category (DW)					
0-35% (n=429)	8.3	[5.7, 11.9]	91.7	[88.1, 94.3]	100.0
36-99% (n=236)	10.2	[6.7, 15.1]	89.8	[84.9, 93.3]	100.0
100%+ (n=137)	8.3	[4.4, 15.2]	91.7	[84.8, 95.6]	100.0
Pearson: Uncorrected chi2(2) =	0.6824				
Design-based F(1.98, 1565.99) =	0.2988	Pr =	0.740		
Region (DW)					
UP/NW/NE (n=144)	7.1	[3.7, 13.1]	92.9	[86.9, 96.3]	100.0
W/E Central/E (n=242)	9.1	[5.8, 13.9]	90.9	[86.1, 94.2]	100.0
S Central/SW/SE (n=166)	11.6	[7.2, 18.0]	88.4	[82.0, 92.8]	100.0
Detroit Metro (n=250)	7.9	[5.0, 12.3]	92.1	[87.7, 95.0]	100.0
Pearson: Uncorrected chi2(3) =	2.0254				
Design-based F(2.69, 2127.36) =	0.6694	Pr =	0.555		
Chronic condition (2016, 2017, 2018)					
Yes (n=540)	9.0	[6.7, 12.1]	91.0	[87.9, 93.3]	100.0
No (n=262)	8.3	[5.1, 13.3]	91.7	[86.7, 94.9]	100.0
Pearson: Uncorrected chi2(1) =	0.1216				
Design-based F(1.00, 790.00) =	0.0832	Pr =	0.773		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=525)	9.7	[7.2, 13.0]	90.3	[87.0, 92.8]	100.0
No (n=277)	6.9	[4.1, 11.4]	93.1	[88.6, 95.9]	100.0
Pearson: Uncorrected chi2(1) =	1.6957				
Design-based F(1.00, 790.00) =	1.2642	Pr =	0.261		
Total (n=802)	8.8	[6.8, 11.3]	91.2	[88.7, 93.2]	100.0

Note: Total n is less than universe N due to item non-response.

0.10.5 Q: In the past 12 months, did you give up working entirely because you were caring for a person who could not care for themselves due to illness or disability?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were caregivers (N=821)

	Gave up working				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=629)	17.4	[13.9, 21.5]	82.6	[78.5, 86.1]	100.0
Off for 6+ months (n=106)	5.5	[2.4, 12.2]	94.5	[87.8, 97.6]	100.0
Churned off/on (n=64)	26.3	[15.3, 41.3]	73.7	[58.7, 84.7]	100.0
Pearson: Uncorrected chi2(2) =	15.5661				
Design-based F(1.85, 1459.46) =	5.0158	Pr =	0.008		
Age (DW)					
19-34 (n=212)	16.9	[11.7, 23.9]	83.1	[76.1, 88.3]	100.0
35-50 (n=272)	14.2	[9.8, 20.2]	85.8	[79.8, 90.2]	100.0
51-64 (n=315)	20.5	[15.2, 27.0]	79.5	[73.0, 84.8]	100.0
Pearson: Uncorrected chi2(2) =	3.3736				
Design-based F(1.93, 1522.56) =	1.0527	Pr =	0.347		
Gender (DW)					
Male (n=253)	17.1	[12.2, 23.3]	82.9	[76.7, 87.8]	100.0
Female (n=546)	16.5	[12.8, 21.0]	83.5	[79.0, 87.2]	100.0
Pearson: Uncorrected chi2(1) =	0.0437				
Design-based F(1.00, 787.00) =	0.0254	Pr =	0.873		
Race/ethnicity, detailed (2016)					
White (n=500)	16.0	[12.4, 20.5]	84.0	[79.5, 87.6]	100.0
Black (n=184)	17.2	[11.3, 25.2]	82.8	[74.8, 88.7]	100.0
Hispanic (n=32)	12.8	[4.4, 32.1]	87.2	[67.9, 95.6]	100.0
Arab/Chaldean (n=27)	18.7	[6.6, 42.5]	81.3	[57.5, 93.4]	100.0
Other/more than one (n=47)	20.4	[9.2, 39.2]	79.6	[60.8, 90.8]	100.0
Pearson: Uncorrected chi2(4) =	1.2444				
Design-based F(3.83, 2983.10) =	0.1639	Pr =	0.952		
FPL category (DW)					
0-35% (n=426)	18.8	[14.5, 23.9]	81.2	[76.1, 85.5]	100.0
36-99% (n=236)	13.2	[8.7, 19.4]	86.8	[80.6, 91.3]	100.0
100%+ (n=137)	14.9	[8.6, 24.6]	85.1	[75.4, 91.4]	100.0
Pearson: Uncorrected chi2(2) =	3.5210				
Design-based F(1.99, 1566.45) =	1.1952	Pr =	0.303		
Region (DW)					
UP/NW/NE (n=145)	15.0	[9.3, 23.3]	85.0	[76.7, 90.7]	100.0
W/E Central/E (n=239)	13.8	[9.5, 19.6]	86.2	[80.4, 90.5]	100.0
S Central/SW/SE (n=166)	20.4	[13.9, 28.8]	79.6	[71.2, 86.1]	100.0
Detroit Metro (n=249)	17.4	[12.4, 23.7]	82.6	[76.3, 87.6]	100.0
Pearson: Uncorrected chi2(3) =	2.8935				
Design-based F(2.72, 2137.46) =	0.8044	Pr =	0.481		
Chronic condition (2016, 2017, 2018)					
Yes (n=535)	18.2	[14.4, 22.7]	81.8	[77.3, 85.6]	100.0
No (n=264)	14.4	[9.6, 21.0]	85.6	[79.0, 90.4]	100.0
Pearson: Uncorrected chi2(1) =	2.0070				
Design-based F(1.00, 787.00) =	1.0756	Pr =	0.300		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=524)	17.8	[14.1, 22.3]	82.2	[77.7, 85.9]	100.0
No (n=275)	14.6	[9.8, 21.3]	85.4	[78.7, 90.2]	100.0
Pearson: Uncorrected chi2(1) =	1.3260				
Design-based F(1.00, 787.00) =	0.7486	Pr =	0.387		
Total (n=799)	16.8	[13.7, 20.4]	83.2	[79.6, 86.3]	100.0

Note: Total n is less than universe N due to item non-response.

0.10.6 Q: In the past 12 months, about how many days did you miss work because you were caring for a person who could not care for themselves?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were caregivers (N=821)

	Number of days missed work due to caregiving			N
	Mean	SE	95% CI	
HMP/Medicaid enrollment pattern (DW)				
Stayed on	12.5	2.70	[7.2, 17.8]	624
Went off for 6+ months	4.7	1.39	[2.0, 7.5]	106
Churned off/on	15.9	6.77	[2.6, 29.2]	64
Gender (DW)				
Male	10.5	2.80	[5.0, 16.0]	252
Female	12.9	3.20	[6.6, 19.2]	542
Age (DW)				
19-34	10.1	3.14	[3.9, 16.2]	208
35-50	13.4	4.05	[5.5, 21.4]	276
51-64	11.9	3.99	[4.1, 19.7]	310
Race/ethnicity, detailed (2016)				
White	12.0	3.10	[5.9, 18.1]	495
Black	12.5	4.31	[4.0, 20.9]	183
Hispanic	19.3	15.62	[-11.3, 50.0]	32
Arab/Chaldean	8.5	5.21	[-1.7, 18.7]	28
Other/more than one	8.5	3.39	[1.9, 15.2]	47
FPL category (DW)				
0-35%	11.9	3.08	[5.8, 17.9]	422
36-99%	14.2	4.38	[5.6, 22.8]	237
100%+	7.6	2.55	[2.6, 12.6]	135
Region (DW)				
UP/NW/NE	7.9	2.91	[2.2, 13.7]	143
W/E Central/E	4.3	1.09	[2.2, 6.5]	237
S Central/SW/SE	18.4	4.91	[8.8, 28.1]	165
Detroit Metro	14.1	4.09	[6.0, 22.1]	249
Chronic condition (2016, 2017, 2018)				
Yes	12.8	2.52	[7.8, 17.7]	532
No	10.3	4.04	[2.3, 18.2]	262
MH/SUD (2016, 2017, 2018 or DW)				
Yes	12.0	2.32	[7.5, 16.6]	518
No	11.5	4.59	[2.5, 20.5]	276
Total	11.8	2.18	[7.6, 16.1]	794

Note: Total n is less than universe N due to item non-response. Responses were non-normally distributed: 63.6% reported 0 days of missed work due to caregiving, 23.3% reported 1-11 days, and 13.2% reported 12 or more days.

0.11 Q: The Healthy Michigan Plan gave me insurance when I couldn't get insurance at my job.

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	HMP gave me insurance when I couldn't get it through my job				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,642)	89.4	[87.3, 91.2]	10.6	[8.8, 12.7]	100.0
Off for 6+ months (n=365)	92.3	[87.9, 95.2]	7.7	[4.8, 12.1]	100.0
Churned off/on (n=168)	86.8	[78.4, 92.3]	13.2	[7.7, 21.6]	100.0
Pearson: Uncorrected chi2(2) =	4.9181				
Design-based F(1.98, 4291.19) =	1.2491	Pr =	0.287		
Age (DW)					
19-34 (n=626)	90.3	[87.1, 92.8]	9.7	[7.2, 12.9]	100.0
35-50 (n=692)	90.0	[86.6, 92.6]	10.0	[7.4, 13.4]	100.0
51-64 (n=857)	88.2	[84.9, 90.8]	11.8	[9.2, 15.1]	100.0
Pearson: Uncorrected chi2(2) =	1.8182				
Design-based F(1.95, 4213.71) =	0.5341	Pr =	0.582		
Gender (DW)					
Male (n=854)	88.5	[85.5, 91.0]	11.5	[9.0, 14.5]	100.0
Female (n=1,321)	90.7	[88.5, 92.5]	9.3	[7.5, 11.5]	100.0
Pearson: Uncorrected chi2(1) =	2.7380				
Design-based F(1.00, 2163.00) =	1.5972	Pr =	0.206		
Race/ethnicity, detailed (2016)					
White (n=1,411)	92.8	[90.8, 94.4]	7.2	[5.6, 9.2]	100.0
Black (n=460)	86.1	[81.8, 89.6]	13.9	[10.4, 18.2]	100.0
Hispanic (n=86)	86.5	[76.2, 92.8]	13.5	[7.2, 23.8]	100.0
Arab/Chaldean (n=79)	86.8	[75.2, 93.5]	13.2	[6.5, 24.8]	100.0
Other/more than one (n=110)	86.8	[77.0, 92.8]	13.2	[7.2, 23.0]	100.0
Pearson: Uncorrected chi2(4) =	24.2882				
Design-based F(3.93, 8382.05) =	3.4146	Pr =	0.009		
FPL category (DW)					
0-35% (n=1,214)	88.4	[85.9, 90.5]	11.6	[9.5, 14.1]	100.0
36-99% (n=557)	91.2	[87.5, 93.9]	8.8	[6.1, 12.5]	100.0
100%+ (n=404)	91.8	[87.3, 94.8]	8.2	[5.2, 12.7]	100.0
Pearson: Uncorrected chi2(2) =	5.3929				
Design-based F(2.00, 4325.56) =	1.5534	Pr =	0.212		
Region (DW)					
UP/NW/NE (n=417)	92.2	[89.2, 94.4]	7.8	[5.6, 10.8]	100.0
W/E Central/E (n=685)	91.7	[88.9, 93.9]	8.3	[6.1, 11.1]	100.0
S Central/SW/SE (n=433)	90.4	[86.6, 93.1]	9.6	[6.9, 13.4]	100.0
Detroit Metro (n=640)	87.4	[83.9, 90.3]	12.6	[9.7, 16.1]	100.0
Pearson: Uncorrected chi2(3) =	9.4285				
Design-based F(2.60, 5618.82) =	2.6422	Pr =	0.056		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,420)	88.8	[86.4, 90.8]	11.2	[9.2, 13.6]	100.0
No (n=755)	90.9	[87.9, 93.3]	9.1	[6.7, 12.1]	100.0
Pearson: Uncorrected chi2(1) =	2.5627				
Design-based F(1.00, 2163.00) =	1.3837	Pr =	0.240		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,399)	88.9	[86.5, 90.8]	11.1	[9.2, 13.5]	100.0
No (n=776)	91.0	[88.0, 93.3]	9.0	[6.7, 12.0]	100.0
Pearson: Uncorrected chi2(1) =	2.5191				
Design-based F(1.00, 2163.00) =	1.4210	Pr =	0.233		
Total (n=2,175)	89.6	[87.8, 91.2]	10.4	[8.8, 12.2]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

0.11.1 All responses: The Healthy Michigan Plan gave me insurance when I couldn't get insurance at my job.

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

HMP gave me insurance when I couldn't get it through my job	Weighted Proportion	95% CI
Yes (n=1,968)	75.5	[73.4, 77.6]
No (n=207)	8.7	[7.4, 10.3]
NA (n=394)	15.7	[14.0, 17.6]
Total (n=2,569)	100.0	

Note: Total n is less than universe N due to item non-response.

0.12 Q: Having the Healthy Michigan Plan helped me stay insured between jobs or between school and a job.

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	HMP helped me stay insured						Total Row %
	Yes		No		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=1,642)	88.1	[86.0, 90.0]	9.5	[7.9, 11.4]	2.3	[1.5, 3.5]	100.0
Off for 6+ months (n=363)	94.4	[90.7, 96.7]	5.4	[3.1, 9.1]	0.2	[0.1, 1.0]	100.0
Churned off/on (n=178)	87.5	[80.2, 92.4]	9.7	[5.6, 16.5]	2.7	[0.8, 8.5]	100.0
Pearson: Uncorrected chi2(4) =	14.9680						
Design-based F(3.43, 7454.30) =	2.4855	Pr =	0.051				
Age (DW)							
19-34 (n=653)	90.6	[87.4, 93.0]	6.6	[4.6, 9.4]	2.8	[1.5, 5.0]	100.0
35-50 (n=694)	89.3	[86.2, 91.8]	9.1	[6.8, 12.1]	1.6	[0.8, 3.1]	100.0
51-64 (n=836)	86.6	[83.6, 89.1]	12.1	[9.7, 15.0]	1.3	[0.7, 2.2]	100.0
Pearson: Uncorrected chi2(4) =	16.9321						
Design-based F(3.62, 7861.49) =	3.0096	Pr =	0.021				
Gender (DW)							
Male (n=860)	89.3	[86.4, 91.6]	8.6	[6.5, 11.1]	2.2	[1.2, 3.9]	100.0
Female (n=1,323)	89.1	[86.8, 91.0]	9.1	[7.4, 11.2]	1.8	[1.1, 3.0]	100.0
Pearson: Uncorrected chi2(2) =	0.4497						
Design-based F(1.99, 4329.16) =	0.1365	Pr =	0.872				
Race/ethnicity, detailed (2016)							
White (n=1,399)	90.7	[88.6, 92.4]	7.6	[6.1, 9.5]	1.7	[1.0, 3.0]	100.0
Black (n=476)	87.8	[83.9, 90.9]	9.9	[7.1, 13.5]	2.3	[1.2, 4.5]	100.0
Hispanic (n=87)	89.1	[79.0, 94.7]	10.4	[4.9, 20.6]	0.5	[0.1, 3.7]	100.0
Arab/Chaldean (n=81)	77.5	[64.7, 86.6]	16.2	[8.7, 28.1]	6.3	[2.1, 17.4]	100.0
Other/more than one (n=110)	91.7	[83.9, 95.9]	7.4	[3.4, 15.4]	0.9	[0.3, 3.0]	100.0
Pearson: Uncorrected chi2(8) =	26.2211						
Design-based F(6.86, 14687.91) =	2.2309	Pr =	0.030				
FPL category (DW)							
0-35% (n=1,262)	88.6	[86.2, 90.6]	9.1	[7.4, 11.3]	2.3	[1.4, 3.7]	100.0
36-99% (n=540)	90.7	[87.2, 93.4]	7.9	[5.5, 11.2]	1.3	[0.5, 3.6]	100.0
100%+ (n=381)	89.3	[84.8, 92.7]	8.9	[5.9, 13.2]	1.7	[0.6, 4.7]	100.0
Pearson: Uncorrected chi2(4) =	2.6131						
Design-based F(3.97, 8609.65) =	0.4132	Pr =	0.798				
Region (DW)							
UP/NW/NE (n=392)	91.1	[87.9, 93.5]	8.1	[5.8, 11.3]	0.7	[0.2, 2.3]	100.0
W/E Central/E (n=686)	88.4	[85.1, 91.0]	8.4	[6.3, 11.1]	3.3	[1.9, 5.6]	100.0
S Central/SW/SE (n=450)	90.0	[86.1, 92.8]	9.3	[6.5, 13.0]	0.8	[0.3, 2.3]	100.0
Detroit Metro (n=655)	89.0	[85.8, 91.5]	9.1	[6.8, 12.0]	2.0	[1.0, 3.7]	100.0
Pearson: Uncorrected chi2(6) =	10.0303						
Design-based F(4.99, 10832.68) =	1.4463	Pr =	0.204				
Chronic condition (2016, 2017, 2018)							
Yes (n=1,430)	87.6	[85.2, 89.6]	10.3	[8.4, 12.4]	2.2	[1.4, 3.4]	100.0
No (n=753)	91.7	[88.8, 93.8]	6.6	[4.8, 9.1]	1.7	[0.8, 3.7]	100.0
Pearson: Uncorrected chi2(2) =	9.3444						
Design-based F(1.97, 4286.62) =	2.5615	Pr =	0.078				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=1,416)	88.5	[86.2, 90.4]	9.6	[7.9, 11.7]	1.9	[1.2, 3.1]	100.0
No (n=767)	90.4	[87.4, 92.7]	7.4	[5.5, 10.0]	2.2	[1.1, 4.2]	100.0
Pearson: Uncorrected chi2(2) =	3.2473						
Design-based F(1.98, 4296.04) =	0.9516	Pr =	0.385				
Total (n=2,183)	89.2	[87.4, 90.7]	8.8	[7.5, 10.4]	2.0	[1.3, 3.0]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

0.12.1 All responses: Having the Healthy Michigan Plan helped me stay insured between jobs or between school and a job.

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

HMP helped me stay insured	Weighted Proportion	95% CI
Yes (n=1,939)	76.9	[74.9, 78.8]
No (n=205)	7.6	[6.4, 9.0]
NA (n=418)	13.8	[12.3, 15.4]
Don't know (n=39)	1.7	[1.2, 2.5]
Total (n=2,601)	100.0	

Note: Total n is less than universe N due to item non-response.

0.13 Q: Getting health insurance through the Healthy Michigan Plan helped me do a better job at work.

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	HMP helped me do a better job at work						Total Row %
	Yes		No		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=1,504)	77.4	[74.7, 80.0]	19.1	[16.7, 21.7]	3.5	[2.5, 5.0]	100.0
Off for 6+ months (n=330)	77.5	[71.5, 82.5]	21.8	[16.9, 27.8]	0.7	[0.2, 2.5]	100.0
Churned off/on (n=163)	76.3	[67.0, 83.6]	20.9	[14.1, 30.0]	2.8	[0.8, 9.3]	100.0
Pearson: Uncorrected chi2(4) =	8.5780						
Design-based F(3.73, 7410.60) =	1.2511	Pr =	0.288				
Age (DW)							
19-34 (n=596)	79.4	[75.2, 83.1]	17.7	[14.3, 21.7]	2.8	[1.5, 5.2]	100.0
35-50 (n=649)	75.0	[70.7, 78.9]	22.1	[18.4, 26.2]	2.9	[1.7, 5.1]	100.0
51-64 (n=752)	77.1	[73.2, 80.5]	19.7	[16.5, 23.4]	3.2	[1.9, 5.2]	100.0
Pearson: Uncorrected chi2(4) =	4.6349						
Design-based F(3.79, 7527.66) =	0.7505	Pr =	0.551				
Gender (DW)							
Male (n=800)	74.1	[70.2, 77.6]	21.7	[18.4, 25.5]	4.2	[2.8, 6.3]	100.0
Female (n=1,197)	80.6	[77.8, 83.2]	17.7	[15.2, 20.5]	1.7	[1.0, 2.8]	100.0
Pearson: Uncorrected chi2(2) =	17.4015						
Design-based F(2.00, 3963.37) =	5.8963	Pr =	0.003				
Race/ethnicity, detailed (2016)							
White (n=1,267)	77.9	[74.9, 80.7]	19.4	[16.8, 22.4]	2.6	[1.7, 4.0]	100.0
Black (n=438)	76.1	[71.1, 80.5]	20.5	[16.4, 25.4]	3.4	[1.9, 6.0]	100.0
Hispanic (n=84)	80.8	[68.7, 89.0]	18.3	[10.3, 30.5]	0.9	[0.1, 6.0]	100.0
Arab/Chaldean (n=89)	80.3	[68.6, 88.3]	15.3	[8.6, 25.8]	4.4	[1.1, 16.0]	100.0
Other/more than one (n=93)	72.6	[60.0, 82.3]	22.8	[14.0, 35.0]	4.6	[1.3, 15.2]	100.0
Pearson: Uncorrected chi2(8) =	7.1399						
Design-based F(7.39, 14483.20) =	0.4906	Pr =	0.851				
FPL category (DW)							
0-35% (n=1,103)	75.6	[72.3, 78.7]	20.5	[17.6, 23.6]	3.9	[2.7, 5.7]	100.0
36-99% (n=516)	80.7	[76.0, 84.6]	17.6	[13.9, 22.1]	1.7	[0.7, 4.1]	100.0
100%+ (n=378)	78.6	[73.0, 83.3]	20.1	[15.5, 25.6]	1.3	[0.5, 3.3]	100.0
Pearson: Uncorrected chi2(4) =	11.5986						
Design-based F(3.91, 7753.60) =	2.0315	Pr =	0.089				
Region (DW)							
UP/NW/NE (n=360)	78.2	[72.8, 82.8]	20.5	[16.0, 25.9]	1.3	[0.5, 3.2]	100.0
W/E Central/E (n=625)	79.0	[74.9, 82.6]	18.3	[14.9, 22.3]	2.8	[1.6, 4.6]	100.0
S Central/SW/SE (n=412)	76.4	[70.9, 81.1]	20.4	[16.0, 25.7]	3.2	[1.6, 6.3]	100.0
Detroit Metro (n=600)	76.5	[72.3, 80.2]	20.2	[16.7, 24.2]	3.3	[1.9, 5.6]	100.0
Pearson: Uncorrected chi2(6) =	3.2544						
Design-based F(5.25, 10429.63) =	0.4349	Pr =	0.833				
Chronic condition (2016, 2017, 2018)							
Yes (n=1,288)	76.6	[73.5, 79.4]	19.9	[17.3, 22.8]	3.5	[2.4, 5.2]	100.0
No (n=709)	78.4	[74.4, 82.0]	19.5	[16.1, 23.4]	2.1	[1.1, 4.0]	100.0
Pearson: Uncorrected chi2(2) =	3.5100						
Design-based F(2.00, 3962.82) =	1.0104	Pr =	0.364				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=1,288)	77.4	[74.3, 80.1]	19.4	[16.8, 22.2]	3.3	[2.2, 4.8]	100.0
No (n=709)	77.3	[73.1, 80.9]	20.3	[16.9, 24.3]	2.4	[1.2, 4.6]	100.0
Pearson: Uncorrected chi2(2) =	1.5019						
Design-based F(1.98, 3936.39) =	0.4217	Pr =	0.654				
Total (n=1,997)	77.3	[74.9, 79.6]	19.7	[17.6, 22.0]	3.0	[2.1, 4.1]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

0.13.1 All responses: Getting health insurance through the Healthy Michigan Plan helped me do a better job at work.

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

HMP helped me do a better job at work	Weighted Proportion	95% CI
Yes (n=1,563)	60.6	[58.2, 62.9]
No (n=383)	15.4	[13.8, 17.3]
NA (n=599)	21.7	[19.8, 23.7]
Don't know (n=51)	2.3	[1.7, 3.2]
Total (n=2,596)	100.0	

Note: Total n is less than universe N due to item non-response.

0.14 Q: Having health insurance through the Healthy Michigan Plan helped me get a better job.

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Yes		HMP helped me get a better job			Total Row %	
	Row %	95% CI	No Row %	95% CI	Don't know Row %		
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=1,313)	41.1	[37.8, 44.5]	54.0	[50.7, 57.4]	4.9	[3.6, 6.6]	100.0
Off for 6+ months (n=303)	38.9	[32.5, 45.8]	60.7	[53.8, 67.2]	0.4	[0.1, 1.6]	100.0
Churned off/on (n=146)	50.0	[40.2, 59.7]	46.2	[36.7, 56.0]	3.8	[1.3, 10.7]	100.0
Pearson: Uncorrected chi2(4) =	21.3431						
Design-based F(3.56, 6237.09) =	3.5166	Pr =	0.010				
Age (DW)							
19-34 (n=526)	42.7	[37.9, 47.6]	53.5	[48.6, 58.4]	3.8	[2.3, 6.4]	100.0
35-50 (n=573)	40.3	[35.6, 45.3]	55.4	[50.4, 60.2]	4.3	[2.7, 6.9]	100.0
51-64 (n=663)	41.7	[36.9, 46.6]	54.7	[49.8, 59.5]	3.6	[2.4, 5.6]	100.0
Pearson: Uncorrected chi2(4) =	0.9981						
Design-based F(3.79, 6630.54) =	0.1735	Pr =	0.946				
Gender (DW)							
Male (n=710)	43.0	[38.7, 47.5]	52.5	[48.1, 56.9]	4.4	[2.9, 6.7]	100.0
Female (n=1,052)	40.2	[36.5, 43.9]	56.4	[52.6, 60.1]	3.5	[2.3, 5.1]	100.0
Pearson: Uncorrected chi2(2) =	3.1230						
Design-based F(2.00, 3498.93) =	1.0205	Pr =	0.361				
Race/ethnicity, detailed (2016)							
White (n=1,111)	37.7	[34.1, 41.3]	58.7	[55.0, 62.3]	3.6	[2.5, 5.2]	100.0
Black (n=393)	47.3	[41.5, 53.2]	48.6	[42.7, 54.4]	4.1	[2.3, 7.3]	100.0
Hispanic (n=68)	43.0	[29.6, 57.4]	52.1	[38.1, 65.7]	5.0	[1.3, 17.6]	100.0
Arab/Chaldean (n=80)	53.5	[40.9, 65.7]	37.8	[26.5, 50.6]	8.7	[3.3, 20.7]	100.0
Other/more than one (n=87)	40.0	[28.3, 53.0]	58.9	[45.9, 70.7]	1.1	[0.3, 4.6]	100.0
Pearson: Uncorrected chi2(8) =	33.3081						
Design-based F(7.48, 12917.91) =	2.4534	Pr =	0.014				
FPL category (DW)							
0-35% (n=987)	42.3	[38.5, 46.2]	53.5	[49.6, 57.3]	4.2	[2.9, 6.2]	100.0
36-99% (n=444)	45.6	[39.9, 51.4]	50.9	[45.2, 56.6]	3.5	[1.8, 6.5]	100.0
100%+ (n=331)	33.7	[27.8, 40.2]	62.6	[56.1, 68.7]	3.7	[2.1, 6.4]	100.0
Pearson: Uncorrected chi2(4) =	11.5080						
Design-based F(3.92, 6851.74) =	2.0972	Pr =	0.080				
Region (DW)							
UP/NW/NE (n=304)	36.5	[30.2, 43.3]	60.4	[53.6, 66.7]	3.1	[1.6, 6.1]	100.0
W/E Central/E (n=547)	37.3	[32.6, 42.2]	59.0	[54.0, 63.7]	3.8	[2.3, 6.1]	100.0
S Central/SW/SE (n=364)	39.7	[33.7, 45.9]	57.0	[50.8, 63.0]	3.3	[1.7, 6.3]	100.0
Detroit Metro (n=547)	46.0	[41.2, 50.9]	49.5	[44.7, 54.4]	4.5	[2.8, 7.1]	100.0
Pearson: Uncorrected chi2(6) =	15.0542						
Design-based F(5.44, 9515.73) =	2.1127	Pr =	0.055				
Chronic condition (2016, 2017, 2018)							
Yes (n=1,132)	39.9	[36.4, 43.6]	55.4	[51.8, 59.1]	4.6	[3.3, 6.5]	100.0
No (n=630)	44.0	[39.4, 48.7]	53.0	[48.3, 57.7]	3.0	[1.7, 5.1]	100.0
Pearson: Uncorrected chi2(2) =	5.1691						
Design-based F(2.00, 3498.43) =	1.5851	Pr =	0.205				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=1,133)	41.5	[38.0, 45.1]	54.3	[50.7, 57.9]	4.2	[3.0, 5.9]	100.0
No (n=629)	41.8	[37.1, 46.7]	54.7	[49.8, 59.4]	3.5	[2.1, 6.0]	100.0
Pearson: Uncorrected chi2(2) =	0.4625						
Design-based F(2.00, 3496.33) =	0.1407	Pr =	0.869				
Total (n=1,762)	41.6	[38.8, 44.5]	54.4	[51.5, 57.3]	4.0	[2.9, 5.3]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

0.14.1 All responses: Having health insurance through the Healthy Michigan Plan helped me get a better job.

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

HMP helped me get a better job	Weighted Proportion	95% CI
Yes (n=673)	29.1	[26.9, 31.4]
No (n=1,021)	38.1	[35.8, 40.4]
NA (n=834)	30.1	[28.0, 32.3]
Don't know (n=68)	2.8	[2.1, 3.7]
Total (n=2,596)	100.0	

Note: Total n is less than universe N due to item non-response.

0.15 Q: Having health insurance through the Healthy Michigan Plan has made me better able to look for a job.

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	HMP made me better able to look for a job						Total Row %
	Yes		No		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=1,433)	60.4	[57.2, 63.5]	36.6	[33.5, 39.7]	3.0	[2.1, 4.2]	100.0
Off for 6+ months (n=314)	54.1	[47.4, 60.6]	45.9	[39.4, 52.6]	0.0		100.0
Churned off/on (n=150)	61.8	[52.0, 70.7]	35.3	[26.6, 45.0]	3.0	[0.9, 10.0]	100.0
Pearson: Uncorrected chi2(4) =	18.5300						
Design-based F(3.83, 7214.07) =	2.7054	Pr =	0.031				
Age (DW)							
19-34 (n=572)	60.0	[55.3, 64.6]	38.0	[33.6, 42.7]	1.9	[1.0, 3.7]	100.0
35-50 (n=627)	58.8	[54.1, 63.3]	38.6	[34.1, 43.2]	2.6	[1.5, 4.5]	100.0
51-64 (n=698)	59.4	[54.7, 63.8]	37.4	[33.0, 41.9]	3.3	[1.9, 5.4]	100.0
Pearson: Uncorrected chi2(4) =	2.3184						
Design-based F(3.88, 7316.37) =	0.4162	Pr =	0.791				
Gender (DW)							
Male (n=774)	61.6	[57.4, 65.6]	36.5	[32.5, 40.7]	1.9	[1.0, 3.5]	100.0
Female (n=1,123)	57.3	[53.7, 60.8]	39.7	[36.2, 43.2]	3.1	[2.1, 4.5]	100.0
Pearson: Uncorrected chi2(2) =	5.2763						
Design-based F(2.00, 3770.00) =	1.7271	Pr =	0.178				
Race/ethnicity, detailed (2016)							
White (n=1,199)	58.5	[55.0, 62.0]	39.2	[35.8, 42.6]	2.3	[1.5, 3.5]	100.0
Black (n=422)	61.1	[55.5, 66.4]	36.3	[31.0, 41.8]	2.6	[1.4, 5.0]	100.0
Hispanic (n=80)	60.0	[46.9, 71.8]	35.9	[24.7, 48.9]	4.1	[1.0, 15.4]	100.0
Arab/Chaldean (n=82)	63.0	[50.4, 74.1]	33.1	[22.6, 45.7]	3.9	[1.1, 13.0]	100.0
Other/more than one (n=86)	57.7	[44.6, 69.8]	41.5	[29.5, 54.6]	0.8	[0.2, 3.2]	100.0
Pearson: Uncorrected chi2(8) =	5.9692						
Design-based F(7.37, 13691.71) =	0.4735	Pr =	0.863				
FPL category (DW)							
0-35% (n=1,084)	60.8	[57.1, 64.3]	36.3	[32.9, 39.9]	2.9	[1.9, 4.4]	100.0
36-99% (n=475)	60.8	[55.2, 66.1]	37.1	[31.8, 42.7]	2.1	[1.0, 4.3]	100.0
100%+ (n=338)	52.7	[46.2, 59.1]	45.9	[39.5, 52.4]	1.4	[0.7, 3.1]	100.0
Pearson: Uncorrected chi2(4) =	11.3488						
Design-based F(3.80, 7171.83) =	2.2686	Pr =	0.063				
Region (DW)							
UP/NW/NE (n=332)	59.3	[53.0, 65.3]	39.4	[33.5, 45.7]	1.3	[0.5, 3.2]	100.0
W/E Central/E (n=597)	57.7	[53.0, 62.3]	39.5	[35.0, 44.2]	2.8	[1.6, 4.8]	100.0
S Central/SW/SE (n=378)	58.0	[51.8, 63.9]	39.4	[33.5, 45.5]	2.7	[1.3, 5.4]	100.0
Detroit Metro (n=590)	61.1	[56.5, 65.5]	36.5	[32.2, 41.1]	2.4	[1.4, 4.2]	100.0
Pearson: Uncorrected chi2(6) =	3.0298						
Design-based F(5.31, 10015.83) =	0.4463	Pr =	0.827				
Chronic condition (2016, 2017, 2018)							
Yes (n=1,238)	58.2	[54.7, 61.6]	38.4	[35.1, 41.8]	3.4	[2.4, 4.9]	100.0
No (n=659)	61.3	[56.8, 65.7]	37.6	[33.3, 42.2]	1.1	[0.5, 2.4]	100.0
Pearson: Uncorrected chi2(2) =	11.0749						
Design-based F(2.00, 3760.90) =	3.6895	Pr =	0.025				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=1,237)	60.4	[57.0, 63.7]	37.0	[33.7, 40.4]	2.6	[1.7, 3.9]	100.0
No (n=660)	57.8	[53.1, 62.4]	40.0	[35.5, 44.7]	2.2	[1.2, 4.0]	100.0
Pearson: Uncorrected chi2(2) =	1.8059						
Design-based F(1.99, 3760.37) =	0.6100	Pr =	0.543				
Total (n=1,897)	59.4	[56.7, 62.1]	38.1	[35.4, 40.8]	2.5	[1.8, 3.5]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

0.15.1 All responses: Having health insurance through the Healthy Michigan Plan has made me better able to look for a job.

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

HMP made me better able to look for a job	Weighted Proportion	95% CI
Yes (n=1,111)	45.3	[42.9, 47.7]
No (n=736)	29.0	[26.9, 31.2]
NA (n=698)	23.8	[21.9, 25.9]
Don't know (n=50)	1.9	[1.4, 2.6]
Total (n=2,595)	100.0	

Note: Total n is less than universe N due to item non-response.

- 1 Aim 1: To describe changes over time in health and functional status for HMP enrollees, particularly those with chronic conditions or other indicators of poorer health.**

1.1 Q: In general, would you say your health is...

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Health status										Total Row %
	Excellent		Very good		Good		Fair		Poor		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)											
Stayed on (n=2,005)	9.7	[8.1, 11.5]	26.3	[23.9, 28.8]	37.2	[34.6, 39.9]	19.7	[17.7, 22.0]	7.1	[5.8, 8.7]	100.0
Off for 6+ months (n=397)	13.2	[9.7, 17.8]	28.3	[23.4, 33.8]	38.3	[32.7, 44.3]	16.7	[12.6, 21.8]	3.5	[1.9, 6.2]	100.0
Churned off/on (n=203)	6.2	[3.3, 11.3]	28.6	[21.5, 36.8]	38.4	[30.5, 46.8]	23.8	[17.5, 31.6]	3.1	[1.2, 7.9]	100.0
Pearson: Uncorrected chi2(8) =	24.8843										
Design-based F(7.90, 20486.90) =	1.8708	Pr =	0.061								
Age (DW)											
19-34 (n=735)	13.3	[10.8, 16.4]	33.9	[30.1, 38.0]	35.7	[31.8, 39.8]	14.2	[11.5, 17.4]	2.8	[1.6, 4.8]	100.0
35-50 (n=812)	8.1	[6.0, 10.7]	20.3	[17.1, 23.8]	38.8	[34.9, 43.0]	24.5	[21.1, 28.2]	8.3	[6.3, 10.9]	100.0
51-64 (n=1,058)	7.1	[5.3, 9.5]	24.7	[21.7, 28.0]	38.4	[34.8, 42.1]	21.5	[18.6, 24.7]	8.3	[6.3, 10.7]	100.0
Pearson: Uncorrected chi2(8) =	115.1929										
Design-based F(7.64, 19802.13) =	9.3703	Pr =	0.000								
Gender (DW)											
Male (n=1,002)	9.9	[7.9, 12.4]	26.2	[23.1, 29.6]	37.7	[34.1, 41.4]	19.4	[16.6, 22.5]	6.8	[5.2, 8.8]	100.0
Female (n=1,603)	9.9	[8.1, 12.1]	27.4	[24.8, 30.3]	37.3	[34.4, 40.2]	19.9	[17.6, 22.4]	5.5	[4.3, 7.1]	100.0
Pearson: Uncorrected chi2(4) =	2.1542										
Design-based F(3.99, 10357.09) =	0.3413	Pr =	0.850								
Race/ethnicity, detailed (2016)											
White (n=1,693)	8.0	[6.5, 9.8]	26.8	[24.3, 29.6]	38.4	[35.5, 41.3]	20.2	[17.9, 22.7]	6.6	[5.2, 8.3]	100.0
Black (n=537)	13.3	[10.3, 17.1]	26.5	[22.2, 31.2]	35.2	[30.5, 40.2]	20.8	[17.0, 25.1]	4.2	[2.7, 6.5]	100.0
Hispanic (n=105)	13.7	[7.0, 25.0]	24.0	[15.6, 35.0]	44.7	[33.7, 56.2]	12.9	[7.6, 20.9]	4.8	[2.1, 10.4]	100.0
Arab/Chaldean (n=106)	12.4	[6.5, 22.3]	37.2	[27.4, 48.2]	32.6	[23.4, 43.4]	11.0	[5.9, 19.8]	6.8	[2.7, 16.0]	100.0
Other/more than one (n=130)	8.6	[4.0, 17.8]	20.3	[13.2, 30.0]	35.8	[26.2, 46.7]	24.3	[16.4, 34.6]	10.9	[6.4, 18.1]	100.0
Pearson: Uncorrected chi2(16) =	50.8493										
Design-based F(15.37, 39335.49) =	1.8487	Pr =	0.022								
FPL category (DW)											
0-35% (n=1,509)	9.2	[7.4, 11.3]	22.9	[20.4, 25.7]	37.8	[34.8, 40.9]	21.9	[19.4, 24.6]	8.2	[6.7, 10.1]	100.0
36-99% (n=649)	11.5	[8.7, 15.0]	34.8	[30.3, 39.5]	33.9	[29.6, 38.4]	17.4	[14.2, 21.3]	2.5	[1.4, 4.5]	100.0
100%+ (n=447)	10.5	[7.5, 14.6]	30.6	[25.7, 36.0]	41.6	[36.1, 47.4]	14.0	[10.6, 18.2]	3.2	[1.7, 6.1]	100.0
Pearson: Uncorrected chi2(8) =	73.5379										
Design-based F(7.96, 20643.51) =	6.4071	Pr =	0.000								
Region (DW)											
UP/NW/NE (n=486)	10.4	[7.5, 14.3]	26.8	[22.6, 31.5]	38.9	[33.9, 44.2]	17.9	[14.4, 21.9]	6.0	[4.0, 8.9]	100.0
W/E Central/E (n=821)	6.7	[4.9, 9.2]	25.5	[22.2, 29.2]	39.4	[35.5, 43.5]	21.5	[18.4, 25.0]	6.8	[5.0, 9.1]	100.0
S Central/SW/SE (n=526)	8.9	[6.3, 12.3]	27.1	[22.6, 32.0]	37.4	[32.6, 42.4]	21.4	[17.4, 25.9]	5.3	[3.5, 8.1]	100.0
Detroit Metro (n=772)	12.3	[9.8, 15.3]	27.6	[24.1, 31.3]	36.0	[32.1, 40.0]	18.1	[15.2, 21.4]	6.1	[4.4, 8.4]	100.0
Pearson: Uncorrected chi2(12) =	21.7528										
Design-based F(10.89, 28248.38) =	1.4668	Pr =	0.137								
Chronic condition (2016, 2017, 2018)											
Yes (n=1,737)	6.3	[4.9, 8.0]	20.1	[17.9, 22.6]	39.2	[36.3, 42.1]	25.9	[23.4, 28.6]	8.5	[7.0, 10.3]	100.0
No (n=868)	15.7	[13.0, 18.8]	37.7	[33.9, 41.6]	34.8	[31.1, 38.7]	9.5	[7.3, 12.3]	2.3	[1.3, 4.1]	100.0
Pearson: Uncorrected chi2(4) =	251.1477										
Design-based F(3.97, 10300.83) =	36.2121	Pr =	0.000								
MH/SUD (2016, 2017, 2018 or DW)											
Yes (n=1,686)	7.6	[6.1, 9.4]	21.5	[19.1, 24.0]	37.7	[34.8, 40.6]	24.8	[22.3, 27.4]	8.5	[7.0, 10.4]	100.0
No (n=919)	14.0	[11.3, 17.0]	36.1	[32.4, 40.1]	37.2	[33.3, 41.1]	10.8	[8.6, 13.4]	2.0	[1.2, 3.3]	100.0
Pearson: Uncorrected chi2(4) =	176.0443										
Design-based F(3.99, 10338.65) =	28.5337	Pr =	0.000								
Total (n=2,605)	9.9	[8.5, 11.5]	26.8	[24.8, 29.0]	37.5	[35.2, 39.8]	19.7	[17.8, 21.6]	6.1	[5.1, 7.4]	100.0

Note: Total n is less than universe N due to item non-response.

1.2 Q: For how many days during the past 30 days was your physical health not good?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Number of days physical health not good			N
	Mean	SE	95% CI	
HMP/Medicaid enrollment pattern (DW)				
Stayed on	6.5	0.28	[5.9, 7.0]	1983
Went off for 6+ months	3.8	0.49	[2.9, 4.8]	396
Churned off/on	4.8	0.67	[3.5, 6.1]	202
Gender (DW)				
Male	5.9	0.36	[5.2, 6.6]	1000
Female	5.9	0.29	[5.3, 6.5]	1581
Age (DW)				
19-34	3.7	0.33	[3.0, 4.3]	728
35-50	7.2	0.45	[6.3, 8.1]	808
51-64	7.5	0.40	[6.7, 8.3]	1045
Race/ethnicity, detailed (2016)				
White	6.6	0.32	[6.0, 7.2]	1677
Black	4.3	0.37	[3.6, 5.0]	532
Hispanic	5.4	1.09	[3.2, 7.5]	105
Arab/Chaldean	4.4	1.04	[2.4, 6.4]	106
Other/more than one	8.3	1.22	[5.9, 10.7]	127
FPL category (DW)				
0-35%	7.2	0.33	[6.6, 7.9]	1496
36-99%	3.8	0.35	[3.1, 4.5]	643
100%+	3.6	0.43	[2.7, 4.4]	442
Region (DW)				
UP/NW/NE	6.2	0.51	[5.2, 7.2]	484
W/E Central/E	6.6	0.40	[5.8, 7.4]	809
S Central/SW/SE	6.1	0.51	[5.1, 7.1]	519
Detroit Metro	5.3	0.39	[4.5, 6.0]	769
Chronic condition (2016, 2017, 2018)				
Yes	7.4	0.31	[6.8, 8.0]	1718
No	3.4	0.33	[2.8, 4.1]	863
MH/SUD (2016, 2017, 2018 or DW)				
Yes	7.7	0.32	[7.1, 8.3]	1671
No	2.7	0.24	[2.3, 3.2]	910
Total	5.9	0.23	[5.4, 6.3]	2581

Note: Total n is less than universe N due to item non-response. Responses were non-normally distributed: 50.9% reported 0 days of poor physical health, 31.3% reported 1-14 days, 8.3% reported 15-29 days, and 9.5% reported 30 days.

1.3 Q: In the past year, would you say your physical health has gotten better, stayed the same, or gotten worse?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Change in physical health status in the past year						Total Row %
	Gotten better		Stayed the same		Gotten worse		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=2,001)	28.0	[25.6, 30.6]	54.5	[51.8, 57.2]	17.5	[15.5, 19.6]	100.0
Off for 6+ months (n=395)	22.2	[17.8, 27.3]	63.5	[57.7, 69.0]	14.3	[10.5, 19.1]	100.0
Churned off/on (n=202)	28.7	[21.6, 37.1]	54.1	[45.6, 62.3]	17.2	[11.6, 24.7]	100.0
Pearson: Uncorrected chi2(4) =	11.6473						
Design-based F(3.95, 10205.16) =	1.7122	Pr =	0.145				
Age (DW)							
19-34 (n=733)	31.6	[27.8, 35.6]	57.6	[53.5, 61.7]	10.8	[8.4, 13.8]	100.0
35-50 (n=811)	22.8	[19.4, 26.5]	57.4	[53.2, 61.4]	19.8	[16.8, 23.3]	100.0
51-64 (n=1,054)	26.2	[23.0, 29.7]	51.4	[47.6, 55.1]	22.4	[19.4, 25.7]	100.0
Pearson: Uncorrected chi2(4) =	56.6959						
Design-based F(3.85, 9966.68) =	9.4896	Pr =	0.000				
Gender (DW)							
Male (n=1,000)	26.3	[23.1, 29.7]	57.4	[53.7, 61.0]	16.3	[13.8, 19.2]	100.0
Female (n=1,598)	27.9	[25.3, 30.8]	54.6	[51.5, 57.6]	17.5	[15.3, 19.9]	100.0
Pearson: Uncorrected chi2(2) =	2.1059						
Design-based F(2.00, 5169.65) =	0.6725	Pr =	0.510				
Race/ethnicity, detailed (2016)							
White (n=1,689)	24.0	[21.6, 26.6]	57.0	[54.1, 60.0]	18.9	[16.7, 21.4]	100.0
Black (n=536)	32.7	[28.2, 37.7]	54.8	[49.8, 59.8]	12.4	[9.6, 15.9]	100.0
Hispanic (n=104)	33.3	[23.1, 45.2]	53.0	[41.6, 64.1]	13.7	[8.3, 21.9]	100.0
Arab/Chaldean (n=106)	23.9	[15.9, 34.3]	59.1	[48.0, 69.4]	17.0	[10.0, 27.5]	100.0
Other/more than one (n=130)	29.8	[20.8, 40.7]	48.9	[38.4, 59.5]	21.3	[14.1, 30.8]	100.0
Pearson: Uncorrected chi2(8) =	32.2118						
Design-based F(7.79, 19895.02) =	2.3641	Pr =	0.016				
FPL category (DW)							
0-35% (n=1,505)	25.2	[22.5, 28.0]	54.7	[51.6, 57.8]	20.1	[17.8, 22.7]	100.0
36-99% (n=648)	29.2	[24.9, 33.9]	57.5	[52.7, 62.2]	13.3	[10.5, 16.8]	100.0
100%+ (n=445)	32.1	[26.9, 37.7]	58.5	[52.8, 64.0]	9.4	[6.7, 13.0]	100.0
Pearson: Uncorrected chi2(4) =	35.8666						
Design-based F(3.97, 10272.56) =	6.4048	Pr =	0.000				
Region (DW)							
UP/NW/NE (n=485)	24.1	[19.9, 28.9]	56.8	[51.6, 61.9]	19.1	[15.5, 23.4]	100.0
W/E Central/E (n=818)	24.8	[21.5, 28.4]	57.9	[53.8, 61.8]	17.3	[14.5, 20.5]	100.0
S Central/SW/SE (n=524)	28.8	[24.3, 33.7]	51.0	[45.8, 56.1]	20.3	[16.4, 24.8]	100.0
Detroit Metro (n=771)	28.6	[25.0, 32.5]	56.6	[52.5, 60.6]	14.8	[12.1, 18.0]	100.0
Pearson: Uncorrected chi2(6) =	13.2907						
Design-based F(5.44, 14056.31) =	1.7949	Pr =	0.104				
Chronic condition (2016, 2017, 2018)							
Yes (n=1,732)	25.8	[23.3, 28.5]	53.2	[50.2, 56.1]	21.0	[18.7, 23.5]	100.0
No (n=866)	29.3	[25.8, 33.2]	60.3	[56.3, 64.2]	10.3	[8.1, 13.1]	100.0
Pearson: Uncorrected chi2(2) =	49.8544						
Design-based F(2.00, 5171.93) =	15.4300	Pr =	0.000				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=1,681)	25.9	[23.4, 28.6]	52.1	[49.1, 55.1]	22.0	[19.6, 24.5]	100.0
No (n=917)	29.2	[25.6, 33.1]	62.6	[58.6, 66.4]	8.2	[6.4, 10.6]	100.0
Pearson: Uncorrected chi2(2) =	81.3468						
Design-based F(1.99, 5158.49) =	26.6428	Pr =	0.000				
Total (n=2,598)	27.1	[25.1, 29.3]	55.9	[53.5, 58.3]	16.9	[15.2, 18.8]	100.0

Note: Total n is less than universe N due to item non-response.

1.4 Q: For how many days during the past 30 days was your mental health not good?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Number of days mental health not good			N
	Mean	SE	95% CI	
HMP/Medicaid enrollment pattern (DW)				
Stayed on	6.2	0.27	[5.6, 6.7]	1980
Went off for 6+ months	4.3	0.47	[3.3, 5.2]	394
Churned off/on	4.8	0.70	[3.5, 6.2]	200
Gender (DW)				
Male	5.4	0.35	[4.7, 6.0]	992
Female	6.1	0.30	[5.5, 6.7]	1582
Age (DW)				
19-34	5.4	0.39	[4.6, 6.1]	725
35-50	6.8	0.43	[6.0, 7.6]	802
51-64	4.8	0.32	[4.2, 5.4]	1047
Race/ethnicity, detailed (2016)				
White	6.2	0.30	[5.6, 6.8]	1675
Black	4.8	0.44	[3.9, 5.6]	531
Hispanic	5.3	1.07	[3.2, 7.4]	103
Arab/Chaldean	3.6	0.86	[1.9, 5.3]	106
Other/more than one	8.4	1.26	[6.0, 10.9]	126
FPL category (DW)				
0-35%	6.7	0.32	[6.0, 7.3]	1493
36-99%	4.4	0.42	[3.6, 5.2]	639
100%+	3.9	0.39	[3.1, 4.7]	442
Region (DW)				
UP/NW/NE	5.5	0.49	[4.6, 6.5]	484
W/E Central/E	6.8	0.42	[6.0, 7.6]	813
S Central/SW/SE	5.8	0.46	[4.9, 6.7]	515
Detroit Metro	5.0	0.38	[4.3, 5.8]	762
Chronic condition (2016, 2017, 2018)				
Yes	6.7	0.30	[6.1, 7.3]	1715
No	4.2	0.34	[3.5, 4.9]	859
MH/SUD (2016, 2017, 2018 or DW)				
Yes	8.0	0.32	[7.3, 8.6]	1659
No	1.9	0.24	[1.4, 2.4]	915
Total	5.7	0.23	[5.3, 6.2]	2574

Note: Total n is less than universe N due to item non-response. Responses were non-normally distributed: 53.7% reported 0 days of poor mental health, 27.8% reported 1-14 days, 10.2% reported 15-29 days, and 8.3% reported 30 days.

1.5 Q: In the past year, would you say your mental and emotional health has gotten better, stayed the same, or gotten worse?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Change in mental health status in the past year						Total Row %
	Gotten better		Stayed the same		Gotten worse		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=1,999)	28.5	[26.0, 31.1]	57.7	[55.0, 60.4]	13.8	[12.0, 15.8]	100.0
Off for 6+ months (n=397)	27.5	[22.5, 33.2]	59.4	[53.3, 65.1]	13.1	[9.5, 17.9]	100.0
Churned off/on (n=200)	33.0	[25.4, 41.6]	51.7	[43.3, 60.1]	15.3	[10.2, 22.2]	100.0
Pearson: Uncorrected chi2(4) =	4.1489						
Design-based F(3.97, 10260.55) =	0.5989	Pr =	0.662				
Age (DW)							
19-34 (n=732)	34.1	[30.2, 38.2]	51.2	[47.1, 55.4]	14.6	[11.9, 17.9]	100.0
35-50 (n=808)	25.5	[22.0, 29.4]	59.2	[55.0, 63.2]	15.3	[12.6, 18.4]	100.0
51-64 (n=1,056)	25.0	[21.8, 28.5]	64.5	[60.7, 68.0]	10.6	[8.5, 13.1]	100.0
Pearson: Uncorrected chi2(4) =	37.0387						
Design-based F(3.85, 9953.26) =	6.2997	Pr =	0.000				
Gender (DW)							
Male (n=998)	29.2	[25.9, 32.8]	57.1	[53.4, 60.8]	13.6	[11.2, 16.4]	100.0
Female (n=1,598)	28.4	[25.6, 31.3]	57.7	[54.6, 60.7]	14.0	[12.0, 16.3]	100.0
Pearson: Uncorrected chi2(2) =	0.2399						
Design-based F(2.00, 5165.13) =	0.0737	Pr =	0.929				
Race/ethnicity, detailed (2016)							
White (n=1,692)	27.0	[24.4, 29.8]	57.2	[54.2, 60.2]	15.8	[13.6, 18.2]	100.0
Black (n=536)	31.4	[26.9, 36.4]	57.6	[52.5, 62.5]	11.0	[8.3, 14.5]	100.0
Hispanic (n=103)	32.5	[22.4, 44.7]	59.1	[47.3, 69.9]	8.4	[4.4, 15.4]	100.0
Arab/Chaldean (n=104)	31.6	[22.0, 43.1]	57.7	[46.4, 68.4]	10.7	[5.2, 20.7]	100.0
Other/more than one (n=128)	30.5	[21.5, 41.2]	52.8	[42.1, 63.3]	16.7	[10.3, 25.9]	100.0
Pearson: Uncorrected chi2(8) =	17.3401						
Design-based F(7.74, 19754.99) =	1.2376	Pr =	0.274				
FPL category (DW)							
0-35% (n=1,506)	28.4	[25.6, 31.3]	55.3	[52.1, 58.4]	16.4	[14.1, 18.9]	100.0
36-99% (n=644)	29.8	[25.4, 34.5]	60.0	[55.1, 64.7]	10.2	[7.7, 13.5]	100.0
100%+ (n=446)	29.0	[23.7, 34.8]	62.1	[56.2, 67.6]	8.9	[6.3, 12.5]	100.0
Pearson: Uncorrected chi2(4) =	23.7182						
Design-based F(3.96, 10220.42) =	4.0723	Pr =	0.003				
Region (DW)							
UP/NW/NE (n=484)	23.9	[19.7, 28.8]	62.2	[56.9, 67.3]	13.8	[10.4, 18.2]	100.0
W/E Central/E (n=822)	25.1	[21.6, 28.9]	57.9	[53.8, 61.9]	17.0	[14.1, 20.3]	100.0
S Central/SW/SE (n=523)	34.3	[29.5, 39.6]	51.2	[46.1, 56.4]	14.4	[11.0, 18.6]	100.0
Detroit Metro (n=767)	29.8	[26.2, 33.8]	58.7	[54.6, 62.7]	11.5	[9.0, 14.5]	100.0
Pearson: Uncorrected chi2(6) =	25.6424						
Design-based F(5.48, 14150.06) =	3.2526	Pr =	0.005				
Chronic condition (2016, 2017, 2018)							
Yes (n=1,730)	28.0	[25.4, 30.8]	55.4	[52.4, 58.3]	16.6	[14.5, 19.1]	100.0
No (n=866)	30.1	[26.4, 34.0]	60.7	[56.6, 64.6]	9.3	[7.3, 11.7]	100.0
Pearson: Uncorrected chi2(2) =	28.2111						
Design-based F(2.00, 5156.37) =	8.7356	Pr =	0.000				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=1,679)	30.1	[27.4, 32.9]	51.6	[48.7, 54.6]	18.2	[16.0, 20.7]	100.0
No (n=917)	26.5	[22.9, 30.4]	67.4	[63.3, 71.2]	6.2	[4.4, 8.5]	100.0
Pearson: Uncorrected chi2(2) =	92.4293						
Design-based F(2.00, 5163.73) =	27.1883	Pr =	0.000				
Total (n=2,596)	28.8	[26.6, 31.1]	57.4	[55.0, 59.8]	13.8	[12.2, 15.6]	100.0

Note: Total n is less than universe N due to item non-response.

1.6 Q: During the past 30 days, for how many days did poor physical or mental health keep you from doing your usual activities, such as self-care, work, or recreation?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Number of days poor physical or mental health limited usual activities			N
	Mean	SE	95% CI	
HMP/Medicaid enrollment pattern (DW)				
Stayed on	5.4	0.26	[4.9, 5.9]	1982
Went off for 6+ months	2.6	0.35	[1.9, 3.3]	397
Churned off/on	3.2	0.59	[2.1, 4.4]	197
Gender (DW)				
Male	4.5	0.32	[3.8, 5.1]	994
Female	5.0	0.28	[4.4, 5.6]	1582
Age (DW)				
19-34	3.1	0.32	[2.4, 3.7]	726
35-50	6.0	0.41	[5.1, 6.8]	803
51-64	5.7	0.36	[5.0, 6.4]	1047
Race/ethnicity, detailed (2016)				
White	5.0	0.28	[4.5, 5.6]	1673
Black	3.7	0.38	[3.0, 4.5]	532
Hispanic	4.5	0.89	[2.8, 6.3]	105
Arab/Chaldean	5.0	1.17	[2.7, 7.3]	105
Other/more than one	6.3	1.05	[4.2, 8.3]	127
FPL category (DW)				
0-35%	5.9	0.30	[5.3, 6.5]	1488
36-99%	3.2	0.33	[2.5, 3.8]	647
100%+	2.5	0.42	[1.7, 3.3]	441
Region (DW)				
UP/NW/NE	4.8	0.48	[3.8, 5.7]	485
W/E Central/E	5.4	0.39	[4.6, 6.1]	808
S Central/SW/SE	5.1	0.45	[4.2, 6.0]	518
Detroit Metro	4.2	0.35	[3.5, 4.9]	765
Chronic condition (2016, 2017, 2018)				
Yes	6.1	0.30	[5.5, 6.7]	1714
No	2.6	0.27	[2.0, 3.1]	862
MH/SUD (2016, 2017, 2018 or DW)				
Yes	6.6	0.30	[6.0, 7.2]	1667
No	1.5	0.19	[1.1, 1.9]	909
Total	4.7	0.21	[4.3, 5.2]	2576

Note: Total n is less than universe N due to item non-response. Responses are non-normally distributed: 63.5% reported 0 days poor physical or mental health limited usual activities, 10.5% reported 1-4 days, 10.8% reported 5-14 days, and 15.2% reported 15 or more days.

1.7 Q: In the past 12 months, about how many days did you miss work because of illness or injury (do not include maternity leave)?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who were employed/self-employed (N=1,471)

	Number of days missed work due to illness or injury			N
	Mean	SE	95% CI	
HMP/Medicaid enrollment pattern (DW)				
Stayed on	6.8	1.09	[4.6, 8.9]	1017
Went off for 6+ months	3.9	0.58	[2.8, 5.0]	319
Churned off/on	3.9	1.18	[1.6, 6.2]	125
Gender (DW)				
Male	4.9	1.03	[2.9, 6.9]	556
Female	6.7	1.08	[4.6, 8.8]	905
Age (DW)				
19-34	3.9	0.51	[2.9, 4.9]	542
35-50	8.3	1.88	[4.7, 12.0]	491
51-64	6.2	1.56	[3.1, 9.2]	428
Race/ethnicity, detailed (2016)				
White	6.2	0.99	[4.3, 8.2]	940
Black	5.0	1.19	[2.7, 7.4]	312
Hispanic	3.0	1.17	[0.7, 5.3]	61
Arab/Chaldean	8.5	5.36	[-2.0, 19.0]	68
Other/more than one	5.3	2.73	[-0.1, 10.6]	69
FPL category (DW)				
0-35%	6.5	1.14	[4.2, 8.7]	666
36-99%	3.9	0.82	[2.3, 5.5]	451
100%+	6.8	1.94	[3.0, 10.6]	344
Region (DW)				
UP/NW/NE	6.0	1.87	[2.3, 9.7]	275
W/E Central/E	6.2	1.53	[3.2, 9.2]	440
S Central/SW/SE	3.0	0.42	[2.2, 3.8]	295
Detroit Metro	6.8	1.34	[4.2, 9.4]	451
Chronic condition (2016, 2017, 2018)				
Yes	7.8	1.28	[5.3, 10.3]	856
No	3.4	0.56	[2.3, 4.5]	605
MH/SUD (2016, 2017, 2018 or DW)				
Yes	8.0	1.23	[5.6, 10.4]	872
No	2.9	0.56	[1.8, 4.0]	589
Total	5.8	0.75	[4.3, 7.3]	1461

Note: Total n is less than universe N due to item non-response. Responses were non-normally distributed: 57.4% reported 0 days of missed work due to illness or injury, 23.9% reported 1-4 days, 11.4% reported 5-14 days, and 7.3% reported 15 or more days.

1.8 Q: In the past year, has the health of your teeth and gums gotten better, stayed the same, or gotten worse?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Change in oral health status in the past year						Total Row %
	Gotten better		Stayed the same		Gotten worse		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=1,994)	18.2	[16.2, 20.5]	62.9	[60.2, 65.5]	18.9	[16.9, 21.1]	100.0
Off for 6+ months (n=397)	11.8	[8.3, 16.6]	69.0	[63.2, 74.3]	19.2	[15.0, 24.1]	100.0
Churned off/on (n=202)	14.7	[9.8, 21.4]	59.6	[51.1, 67.7]	25.7	[18.8, 34.1]	100.0
Pearson: Uncorrected chi2(4) =	17.2150						
Design-based F(3.95, 10200.07) =	2.5048	Pr =	0.041				
Age (DW)							
19-34 (n=734)	22.5	[19.2, 26.2]	61.4	[57.2, 65.4]	16.2	[13.3, 19.5]	100.0
35-50 (n=805)	12.4	[10.0, 15.4]	65.5	[61.4, 69.3]	22.1	[18.9, 25.8]	100.0
51-64 (n=1,054)	14.2	[11.7, 17.1]	64.3	[60.6, 67.9]	21.5	[18.6, 24.7]	100.0
Pearson: Uncorrected chi2(4) =	44.1674						
Design-based F(3.87, 9995.94) =	7.5258	Pr =	0.000				
Gender (DW)							
Male (n=997)	16.1	[13.5, 19.1]	65.9	[62.3, 69.4]	17.9	[15.3, 20.9]	100.0
Female (n=1,596)	17.6	[15.3, 20.1]	61.3	[58.2, 64.2]	21.1	[18.7, 23.8]	100.0
Pearson: Uncorrected chi2(2) =	6.4241						
Design-based F(2.00, 5158.74) =	2.0027	Pr =	0.135				
Race/ethnicity, detailed (2016)							
White (n=1,685)	14.6	[12.6, 16.9]	63.6	[60.6, 66.4]	21.8	[19.5, 24.4]	100.0
Black (n=534)	19.7	[16.0, 24.1]	64.3	[59.3, 69.0]	16.0	[12.6, 20.1]	100.0
Hispanic (n=105)	19.6	[11.7, 31.0]	63.9	[52.2, 74.1]	16.5	[9.8, 26.4]	100.0
Arab/Chaldean (n=105)	27.0	[18.3, 37.9]	56.5	[45.3, 67.0]	16.6	[9.6, 27.2]	100.0
Other/more than one (n=130)	12.5	[6.8, 21.8]	65.7	[55.1, 74.8]	21.9	[14.7, 31.3]	100.0
Pearson: Uncorrected chi2(8) =	30.5027						
Design-based F(7.89, 20089.03) =	2.1426	Pr =	0.029				
FPL category (DW)							
0-35% (n=1,504)	16.1	[13.9, 18.5]	63.1	[60.1, 66.1]	20.8	[18.4, 23.4]	100.0
36-99% (n=647)	16.8	[13.4, 21.0]	64.8	[60.1, 69.3]	18.3	[14.9, 22.3]	100.0
100%+ (n=442)	20.2	[15.8, 25.4]	63.3	[57.5, 68.7]	16.6	[12.7, 21.4]	100.0
Pearson: Uncorrected chi2(4) =	6.8602						
Design-based F(3.99, 10294.57) =	1.1444	Pr =	0.333				
Region (DW)							
UP/NW/NE (n=486)	19.8	[15.6, 24.8]	65.3	[60.0, 70.2]	14.9	[11.6, 19.0]	100.0
W/E Central/E (n=816)	14.8	[12.2, 17.9]	65.2	[61.2, 69.0]	20.0	[16.9, 23.4]	100.0
S Central/SW/SE (n=522)	17.5	[13.7, 22.1]	61.2	[56.0, 66.1]	21.3	[17.5, 25.7]	100.0
Detroit Metro (n=769)	17.3	[14.4, 20.7]	63.1	[59.1, 67.0]	19.6	[16.5, 23.0]	100.0
Pearson: Uncorrected chi2(6) =	7.4922						
Design-based F(5.51, 14210.01) =	0.9843	Pr =	0.430				
Chronic condition (2016, 2017, 2018)							
Yes (n=1,729)	14.5	[12.5, 16.7]	63.0	[60.1, 65.8]	22.5	[20.1, 25.1]	100.0
No (n=864)	20.7	[17.5, 24.3]	64.5	[60.5, 68.3]	14.8	[12.2, 17.9]	100.0
Pearson: Uncorrected chi2(2) =	32.7949						
Design-based F(2.00, 5159.50) =	10.2054	Pr =	0.000				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=1,677)	16.6	[14.5, 19.0]	61.5	[58.6, 64.4]	21.9	[19.5, 24.4]	100.0
No (n=916)	17.3	[14.4, 20.7]	67.1	[63.1, 70.8]	15.7	[12.9, 18.8]	100.0
Pearson: Uncorrected chi2(2) =	14.8339						
Design-based F(2.00, 5158.73) =	4.5817	Pr =	0.010				
Total (n=2,593)	16.9	[15.1, 18.8]	63.5	[61.2, 65.8]	19.6	[17.8, 21.6]	100.0

Note: Total n is less than universe N due to item non-response.

1.9 Q: How much do you weigh?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Mean	Weight (pounds) SE	95% CI	N
HMP/Medicaid enrollment pattern (DW)				
Stayed on	193.1	1.62	[189.9, 196.3]	1951
Went off for 6+ months	197.8	2.89	[192.1, 203.4]	390
Churned off/on	196.5	5.11	[186.4, 206.5]	201
Gender (DW)				
Male	207.6	2.12	[203.5, 211.8]	996
Female	181.2	1.66	[177.9, 184.4]	1546
Age (DW)				
19-34	192.7	2.36	[188.1, 197.3]	717
35-50	201.0	2.63	[195.8, 206.2]	790
51-64	187.4	1.71	[184.0, 190.8]	1035
Race/ethnicity, detailed (2016)				
White	194.3	1.78	[190.8, 197.8]	1651
Black	200.2	2.90	[194.5, 205.9]	525
Hispanic	187.4	6.86	[174.0, 200.9]	102
Arab/Chaldean	180.8	5.45	[170.1, 191.5]	105
Other/more than one	187.1	5.35	[176.6, 197.6]	128
FPL category (DW)				
0-35%	197.1	1.90	[193.4, 200.9]	1483
36-99%	187.9	2.43	[183.2, 192.7]	627
100%+	191.5	3.03	[185.6, 197.4]	432
Region (DW)				
UP/NW/NE	196.5	3.17	[190.2, 202.7]	470
W/E Central/E	196.2	2.41	[191.5, 200.9]	802
S Central/SW/SE	192.5	2.80	[187.0, 198.0]	512
Detroit Metro	193.1	2.36	[188.5, 197.8]	758
Chronic condition (2016, 2017, 2018)				
Yes	202.5	1.87	[198.9, 206.2]	1692
No	180.9	1.84	[177.3, 184.5]	850
MH/SUD (2016, 2017, 2018 or DW)				
Yes	195.3	1.71	[191.9, 198.6]	1643
No	192.4	2.35	[187.7, 197.0]	899
Total	194.2	1.38	[191.5, 196.9]	2542

Note: Total n is less than universe N due to item non-response.

1.10 Q: Has a doctor or other health professional ever told you that you had any of the following?

1.10.1 Self-reported chronic conditions

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Weighted Proportion	95% CI
Any chronic condition reported in 2018 (n=1,704)	58.1	[55.6, 60.4]
Hypertension (n=983)	32.8	[30.6, 35.0]
Mood disorder (n=866)	32.7	[30.5, 34.9]
Other chronic health condition (n=784)	28.2	[26.1, 30.4]
Arthritis, or a related condition (n=854)	27.2	[25.2, 29.2]
Asthma (n=431)	15.3	[13.7, 17.0]
Diabetes (n=357)	11.3	[10.0, 12.8]
Chronic bronchitis, COPD, or emphysema (n=334)	9.9	[8.7, 11.3]
Heart condition or heart disease (n=273)	8.8	[7.7, 10.2]
Substance use disorder (n=110)	4.1	[3.3, 5.2]
Cancer (n=102)	2.8	[2.2, 3.5]
Stroke (n=73)	2.2	[1.7, 2.9]

Note: Respondents were able to provide multiple responses. Any chronic condition reported in 2018 was defined as a "Yes" response in the 2018 survey to the question of ever having been told by a health care provider that the individual had asthma, arthritis or related conditions, cancer other than skin cancer, COPD/chronic bronchitis, diabetes, hypertension, heart disease, or stroke.

1.10.2 Any chronic condition reported in 2018

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Any chronic condition reported in 2018				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=2,007)	61.9	[59.1, 64.6]	38.1	[35.4, 40.9]	100.0
Off for 6+ months (n=398)	45.8	[40.0, 51.7]	54.2	[48.3, 60.0]	100.0
Churned off/on (n=203)	49.3	[41.0, 57.7]	50.7	[42.3, 59.0]	100.0
Pearson: Uncorrected chi2(2) =	45.4495				
Design-based F(1.98, 5144.94) =	13.4419	Pr =	0.000		
Age (DW)					
19-34 (n=736)	40.5	[36.5, 44.7]	59.5	[55.3, 63.5]	100.0
35-50 (n=812)	61.7	[57.5, 65.7]	38.3	[34.3, 42.5]	100.0
51-64 (n=1,060)	80.1	[76.7, 83.1]	19.9	[16.9, 23.3]	100.0
Pearson: Uncorrected chi2(2) =	269.8981				
Design-based F(1.94, 5044.87) =	90.0681	Pr =	0.000		
Gender (DW)					
Male (n=1,004)	57.5	[53.7, 61.2]	42.5	[38.8, 46.3]	100.0
Female (n=1,604)	58.6	[55.5, 61.6]	41.4	[38.4, 44.5]	100.0
Pearson: Uncorrected chi2(1) =	0.2933				
Design-based F(1.00, 2596.00) =	0.1812	Pr =	0.670		
Race/ethnicity, detailed (2016)					
White (n=1,696)	61.2	[58.2, 64.1]	38.8	[35.9, 41.8]	100.0
Black (n=537)	58.3	[53.2, 63.3]	41.7	[36.7, 46.8]	100.0
Hispanic (n=105)	49.4	[38.2, 60.7]	50.6	[39.3, 61.8]	100.0
Arab/Chaldean (n=106)	35.1	[25.5, 46.1]	64.9	[53.9, 74.5]	100.0
Other/more than one (n=130)	57.0	[46.0, 67.3]	43.0	[32.7, 54.0]	100.0
Pearson: Uncorrected chi2(4) =	42.8210				
Design-based F(3.97, 10172.66) =	6.0254	Pr =	0.000		
FPL category (DW)					
0-35% (n=1,512)	59.8	[56.6, 62.9]	40.2	[37.1, 43.4]	100.0
36-99% (n=649)	56.0	[51.2, 60.7]	44.0	[39.3, 48.8]	100.0
100%+ (n=447)	54.1	[48.4, 59.8]	45.9	[40.2, 51.6]	100.0
Pearson: Uncorrected chi2(2) =	5.5839				
Design-based F(1.99, 5177.29) =	1.9038	Pr =	0.149		
Region (DW)					
UP/NW/NE (n=488)	63.3	[58.0, 68.3]	36.7	[31.7, 42.0]	100.0
W/E Central/E (n=822)	59.4	[55.3, 63.5]	40.6	[36.5, 44.7]	100.0
S Central/SW/SE (n=526)	59.5	[54.3, 64.6]	40.5	[35.4, 45.7]	100.0
Detroit Metro (n=772)	55.5	[51.3, 59.5]	44.5	[40.5, 48.7]	100.0
Pearson: Uncorrected chi2(3) =	6.8093				
Design-based F(2.75, 7130.37) =	1.7663	Pr =	0.156		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,688)	64.8	[61.9, 67.7]	35.2	[32.3, 38.1]	100.0
No (n=920)	46.4	[42.4, 50.4]	53.6	[49.6, 57.6]	100.0
Pearson: Uncorrected chi2(1) =	84.7798				
Design-based F(1.00, 2596.00) =	53.0891	Pr =	0.000		
Total (n=2,608)	58.1	[55.6, 60.4]	41.9	[39.6, 44.4]	100.0

Note: Any self-reported chronic condition was defined as a Yes response to the question of ever having been told by a health care provider that the individual had asthma, arthritis or related conditions, cancer other than skin cancer, COPD/chronic bronchitis, diabetes, hypertension, heart disease, or stroke.

1.10.3 Q: Has a doctor or other health professional ever told you that you had a mood disorder (for example, depression, anxiety, bipolar disorder)?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Mood disorder				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=2,003)	35.4	[32.8, 38.0]	64.6	[62.0, 67.2]	100.0
Off for 6+ months (n=398)	23.0	[18.5, 28.2]	77.0	[71.8, 81.5]	100.0
Churned off/on (n=202)	28.1	[21.3, 36.0]	71.9	[64.0, 78.7]	100.0
Pearson: Uncorrected chi2(2) =	26.6274				
Design-based F(1.98, 5124.50) =	8.3018	Pr =	0.000		
Age (DW)					
19-34 (n=735)	34.2	[30.4, 38.2]	65.8	[61.8, 69.6]	100.0
35-50 (n=811)	35.2	[31.5, 39.1]	64.8	[60.9, 68.5]	100.0
51-64 (n=1,057)	27.0	[23.8, 30.5]	73.0	[69.5, 76.2]	100.0
Pearson: Uncorrected chi2(2) =	13.5456				
Design-based F(1.93, 4997.85) =	4.7903	Pr =	0.009		
Gender (DW)					
Male (n=1,001)	28.2	[25.0, 31.7]	71.8	[68.3, 75.0]	100.0
Female (n=1,602)	36.9	[34.0, 39.8]	63.1	[60.2, 66.0]	100.0
Pearson: Uncorrected chi2(1) =	21.9433				
Design-based F(1.00, 2591.00) =	13.8380	Pr =	0.000		
Race/ethnicity, detailed (2016)					
White (n=1,692)	40.7	[37.8, 43.7]	59.3	[56.3, 62.2]	100.0
Black (n=536)	21.3	[17.5, 25.7]	78.7	[74.3, 82.5]	100.0
Hispanic (n=105)	17.7	[10.9, 27.5]	82.3	[72.5, 89.1]	100.0
Arab/Chaldean (n=106)	11.0	[6.0, 19.3]	89.0	[80.7, 94.0]	100.0
Other/more than one (n=130)	39.6	[29.9, 50.1]	60.4	[49.9, 70.1]	100.0
Pearson: Uncorrected chi2(4) =	131.6461				
Design-based F(3.97, 10143.97) =	20.1018	Pr =	0.000		
FPL category (DW)					
0-35% (n=1,511)	36.2	[33.3, 39.2]	63.8	[60.8, 66.7]	100.0
36-99% (n=647)	27.2	[23.2, 31.6]	72.8	[68.4, 76.8]	100.0
100%+ (n=445)	26.7	[22.0, 31.9]	73.3	[68.1, 78.0]	100.0
Pearson: Uncorrected chi2(2) =	23.6243				
Design-based F(2.00, 5172.39) =	8.4248	Pr =	0.000		
Region (DW)					
UP/NW/NE (n=487)	37.5	[32.6, 42.6]	62.5	[57.4, 67.4]	100.0
W/E Central/E (n=822)	39.6	[35.7, 43.6]	60.4	[56.4, 64.3]	100.0
S Central/SW/SE (n=524)	38.5	[33.5, 43.6]	61.5	[56.4, 66.5]	100.0
Detroit Metro (n=770)	24.8	[21.4, 28.5]	75.2	[71.5, 78.6]	100.0
Pearson: Uncorrected chi2(3) =	58.2122				
Design-based F(2.71, 7027.41) =	15.3726	Pr =	0.000		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,736)	37.5	[34.7, 40.4]	62.5	[59.6, 65.3]	100.0
No (n=867)	25.0	[21.7, 28.6]	75.0	[71.4, 78.3]	100.0
Pearson: Uncorrected chi2(1) =	43.9220				
Design-based F(1.00, 2591.00) =	27.5235	Pr =	0.000		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,684)	51.6	[48.6, 54.5]	48.4	[45.5, 51.4]	100.0
No (n=919)	0.0		100.0		100.0
Pearson: Uncorrected chi2(1) =	730.6617				
Design-based F(1.00, 2591.00) =	537.5565	Pr =	0.000		
Total (n=2,603)	32.7	[30.5, 34.9]	67.3	[65.1, 69.5]	100.0

Note: Total n is less than universe N due to item non-response.

1.10.4 Q: Has a doctor or other health professional ever told you that you had hypertension, also called high blood pressure?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Hypertension				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=2,002)	35.7	[33.2, 38.4]	64.3	[61.6, 66.8]	100.0
Off for 6+ months (n=397)	22.3	[18.0, 27.4]	77.7	[72.6, 82.0]	100.0
Churned off/on (n=203)	27.5	[20.7, 35.4]	72.5	[64.6, 79.3]	100.0
Pearson: Uncorrected chi2(2) =	31.6815				
Design-based F(1.97, 5105.82) =	9.8778	Pr =	0.000		
Age (DW)					
19-34 (n=734)	15.7	[12.8, 19.0]	84.3	[81.0, 87.2]	100.0
35-50 (n=810)	36.8	[32.9, 40.9]	63.2	[59.1, 67.1]	100.0
51-64 (n=1,058)	53.7	[49.9, 57.4]	46.3	[42.6, 50.1]	100.0
Pearson: Uncorrected chi2(2) =	277.6295				
Design-based F(1.92, 4970.11) =	89.5734	Pr =	0.000		
Gender (DW)					
Male (n=1,000)	36.7	[33.2, 40.3]	63.3	[59.7, 66.8]	100.0
Female (n=1,602)	29.1	[26.6, 31.9]	70.9	[68.1, 73.4]	100.0
Pearson: Uncorrected chi2(1) =	16.6350				
Design-based F(1.00, 2590.00) =	11.2752	Pr =	0.001		
Race/ethnicity, detailed (2016)					
White (n=1,691)	31.9	[29.3, 34.7]	68.1	[65.3, 70.7]	100.0
Black (n=537)	39.2	[34.4, 44.1]	60.8	[55.9, 65.6]	100.0
Hispanic (n=105)	23.5	[15.8, 33.4]	76.5	[66.6, 84.2]	100.0
Arab/Chaldean (n=106)	17.1	[10.0, 27.7]	82.9	[72.3, 90.0]	100.0
Other/more than one (n=130)	34.8	[25.6, 45.2]	65.2	[54.8, 74.4]	100.0
Pearson: Uncorrected chi2(4) =	35.3618				
Design-based F(3.87, 9883.39) =	5.1711	Pr =	0.000		
FPL category (DW)					
0-35% (n=1,509)	36.7	[33.8, 39.7]	63.3	[60.3, 66.2]	100.0
36-99% (n=647)	23.9	[20.2, 28.0]	76.1	[72.0, 79.8]	100.0
100%+ (n=446)	30.4	[25.5, 35.7]	69.6	[64.3, 74.5]	100.0
Pearson: Uncorrected chi2(2) =	33.5738				
Design-based F(2.00, 5171.29) =	12.4207	Pr =	0.000		
Region (DW)					
UP/NW/NE (n=487)	36.2	[31.5, 41.2]	63.8	[58.8, 68.5]	100.0
W/E Central/E (n=821)	32.2	[28.7, 36.0]	67.8	[64.0, 71.3]	100.0
S Central/SW/SE (n=524)	32.1	[27.7, 37.0]	67.9	[63.0, 72.3]	100.0
Detroit Metro (n=770)	32.7	[29.0, 36.6]	67.3	[63.4, 71.0]	100.0
Pearson: Uncorrected chi2(3) =	1.4526				
Design-based F(2.72, 7039.30) =	0.4129	Pr =	0.724		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,735)	53.1	[50.2, 56.1]	46.9	[43.9, 49.8]	100.0
No (n=867)	0.0		100.0		100.0
Pearson: Uncorrected chi2(1) =	787.9413				
Design-based F(1.00, 2590.00) =	583.5369	Pr =	0.000		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,685)	37.5	[34.7, 40.3]	62.5	[59.7, 65.3]	100.0
No (n=917)	24.7	[21.5, 28.1]	75.3	[71.9, 78.5]	100.0
Pearson: Uncorrected chi2(1) =	44.6778				
Design-based F(1.00, 2590.00) =	30.7319	Pr =	0.000		
Total (n=2,602)	32.8	[30.6, 35.0]	67.2	[65.0, 69.4]	100.0

Note: Total n is less than universe N due to item non-response.

1.10.5 Q: Has a doctor or other health professional ever told you that you had arthritis or a related condition (for example, rheumatoid arthritis, gout, lupus, or fibromyalgia)?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Arthritis or a related condition				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,995)	30.3	[28.0, 32.8]	69.7	[67.2, 72.0]	100.0
Off for 6+ months (n=397)	17.5	[13.6, 22.2]	82.5	[77.8, 86.4]	100.0
Churned off/on (n=201)	18.7	[13.4, 25.5]	81.3	[74.5, 86.6]	100.0
Pearson: Uncorrected chi2(2) =	38.6184				
Design-based F(1.99, 5137.83) =	13.1179	Pr =	0.000		
Age (DW)					
19-34 (n=735)	10.5	[8.3, 13.3]	89.5	[86.7, 91.7]	100.0
35-50 (n=807)	32.5	[28.8, 36.4]	67.5	[63.6, 71.2]	100.0
51-64 (n=1,051)	45.6	[41.9, 49.4]	54.4	[50.6, 58.1]	100.0
Pearson: Uncorrected chi2(2) =	272.2479				
Design-based F(1.95, 5034.99) =	93.9755	Pr =	0.000		
Gender (DW)					
Male (n=999)	24.8	[21.8, 28.0]	75.2	[72.0, 78.2]	100.0
Female (n=1,594)	29.4	[26.8, 32.1]	70.6	[67.9, 73.2]	100.0
Pearson: Uncorrected chi2(1) =	6.8302				
Design-based F(1.00, 2581.00) =	4.7085	Pr =	0.030		
Race/ethnicity, detailed (2016)					
White (n=1,687)	30.3	[27.7, 33.1]	69.7	[66.9, 72.3]	100.0
Black (n=535)	24.7	[20.8, 29.1]	75.3	[70.9, 79.2]	100.0
Hispanic (n=104)	23.8	[16.0, 33.9]	76.2	[66.1, 84.0]	100.0
Arab/Chaldean (n=104)	11.5	[5.9, 21.4]	88.5	[78.6, 94.1]	100.0
Other/more than one (n=129)	25.6	[18.5, 34.3]	74.4	[65.7, 81.5]	100.0
Pearson: Uncorrected chi2(4) =	29.0044				
Design-based F(3.82, 9736.94) =	4.5582	Pr =	0.001		
FPL category (DW)					
0-35% (n=1,504)	29.7	[27.1, 32.5]	70.3	[67.5, 72.9]	100.0
36-99% (n=646)	24.4	[20.6, 28.6]	75.6	[71.4, 79.4]	100.0
100%+ (n=443)	20.8	[17.0, 25.3]	79.2	[74.7, 83.0]	100.0
Pearson: Uncorrected chi2(2) =	15.6848				
Design-based F(1.98, 5104.09) =	6.2877	Pr =	0.002		
Region (DW)					
UP/NW/NE (n=486)	30.9	[26.6, 35.6]	69.1	[64.4, 73.4]	100.0
W/E Central/E (n=819)	29.2	[25.8, 32.8]	70.8	[67.2, 74.2]	100.0
S Central/SW/SE (n=520)	26.4	[22.4, 30.8]	73.6	[69.2, 77.6]	100.0
Detroit Metro (n=768)	25.4	[22.1, 29.0]	74.6	[71.0, 77.9]	100.0
Pearson: Uncorrected chi2(3) =	5.1651				
Design-based F(2.70, 6957.10) =	1.5480	Pr =	0.204		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,729)	36.1	[33.3, 38.9]	63.9	[61.1, 66.7]	100.0
No (n=864)	12.8	[10.5, 15.5]	87.2	[84.5, 89.5]	100.0
Pearson: Uncorrected chi2(1) =	168.4500				
Design-based F(1.00, 2581.00) =	116.4897	Pr =	0.000		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,676)	33.0	[30.3, 35.7]	67.0	[64.3, 69.7]	100.0
No (n=917)	17.1	[14.5, 20.1]	82.9	[79.9, 85.5]	100.0
Pearson: Uncorrected chi2(1) =	76.3024				
Design-based F(1.00, 2581.00) =	54.4422	Pr =	0.000		
Total (n=2,593)	27.2	[25.2, 29.2]	72.8	[70.8, 74.8]	100.0

Note: Total n is less than universe N due to item non-response.

1.10.6 Q: Has a doctor or other health professional ever told you that you had asthma?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Yes		Asthma No		Total Row %
	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,998)	15.8	[14.0, 17.8]	84.2	[82.2, 86.0]	100.0
Off for 6+ months (n=398)	12.6	[9.4, 16.7]	87.4	[83.3, 90.6]	100.0
Churned off/on (n=202)	15.9	[10.8, 22.7]	84.1	[77.3, 89.2]	100.0
Pearson: Uncorrected chi2(2) =	2.8033				
Design-based F(1.97, 5104.29) =	0.9231	Pr =	0.396		
Age (DW)					
19-34 (n=733)	15.4	[12.6, 18.6]	84.6	[81.4, 87.4]	100.0
35-50 (n=809)	15.8	[13.1, 18.9]	84.2	[81.1, 86.9]	100.0
51-64 (n=1,056)	14.5	[12.2, 17.1]	85.5	[82.9, 87.8]	100.0
Pearson: Uncorrected chi2(2) =	0.5221				
Design-based F(1.91, 4934.86) =	0.1959	Pr =	0.812		
Gender (DW)					
Male (n=1,001)	11.4	[9.3, 14.0]	88.6	[86.0, 90.7]	100.0
Female (n=1,597)	18.9	[16.7, 21.4]	81.1	[78.6, 83.3]	100.0
Pearson: Uncorrected chi2(1) =	28.3214				
Design-based F(1.00, 2586.00) =	17.9115	Pr =	0.000		
Race/ethnicity, detailed (2016)					
White (n=1,689)	16.1	[14.1, 18.4]	83.9	[81.6, 85.9]	100.0
Black (n=537)	15.8	[12.5, 19.7]	84.2	[80.3, 87.5]	100.0
Hispanic (n=105)	13.7	[7.6, 23.5]	86.3	[76.5, 92.4]	100.0
Arab/Chaldean (n=106)	6.2	[2.8, 13.2]	93.8	[86.8, 97.2]	100.0
Other/more than one (n=127)	15.9	[9.9, 24.4]	84.1	[75.6, 90.1]	100.0
Pearson: Uncorrected chi2(4) =	10.9379				
Design-based F(3.99, 10189.24) =	1.7507	Pr =	0.136		
FPL category (DW)					
0-35% (n=1,504)	15.3	[13.3, 17.6]	84.7	[82.4, 86.7]	100.0
36-99% (n=648)	17.3	[14.0, 21.1]	82.7	[78.9, 86.0]	100.0
100%+ (n=446)	12.3	[9.1, 16.5]	87.7	[83.5, 90.9]	100.0
Pearson: Uncorrected chi2(2) =	4.4372				
Design-based F(2.00, 5165.09) =	1.6270	Pr =	0.197		
Region (DW)					
UP/NW/NE (n=486)	16.4	[13.1, 20.4]	83.6	[79.6, 86.9]	100.0
W/E Central/E (n=818)	15.8	[13.2, 18.9]	84.2	[81.1, 86.8]	100.0
S Central/SW/SE (n=523)	16.7	[13.3, 20.8]	83.3	[79.2, 86.7]	100.0
Detroit Metro (n=771)	14.1	[11.6, 17.2]	85.9	[82.8, 88.4]	100.0
Pearson: Uncorrected chi2(3) =	2.3192				
Design-based F(2.71, 7001.47) =	0.6628	Pr =	0.560		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,731)	24.8	[22.4, 27.4]	75.2	[72.6, 77.6]	100.0
No (n=867)	0.0		100.0		100.0
Pearson: Uncorrected chi2(1) =	292.2569				
Design-based F(1.00, 2586.00) =	217.1453	Pr =	0.000		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,679)	17.5	[15.4, 19.8]	82.5	[80.2, 84.6]	100.0
No (n=919)	11.5	[9.2, 14.1]	88.5	[85.9, 90.8]	100.0
Pearson: Uncorrected chi2(1) =	17.1006				
Design-based F(1.00, 2586.00) =	11.8222	Pr =	0.001		
Total (n=2,598)	15.3	[13.7, 17.0]	84.7	[83.0, 86.3]	100.0

Note: Total n is less than universe N due to item non-response.

1.10.7 Q: Has a doctor or other health professional ever told you that you had chronic bronchitis, COPD or emphysema?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Chronic bronchitis, COPD, or emphysema				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,995)	11.1	[9.7, 12.8]	88.9	[87.2, 90.3]	100.0
Off for 6+ months (n=398)	5.3	[3.5, 8.1]	94.7	[91.9, 96.5]	100.0
Churned off/on (n=202)	8.3	[4.8, 14.0]	91.7	[86.0, 95.2]	100.0
Pearson: Uncorrected chi2(2) =	13.7851				
Design-based F(1.91, 4930.87) =	4.9206	Pr =	0.008		
Age (DW)					
19-34 (n=735)	4.4	[3.0, 6.5]	95.6	[93.5, 97.0]	100.0
35-50 (n=805)	10.6	[8.4, 13.3]	89.4	[86.7, 91.6]	100.0
51-64 (n=1,055)	17.4	[14.9, 20.2]	82.6	[79.8, 85.1]	100.0
Pearson: Uncorrected chi2(2) =	77.2691				
Design-based F(1.91, 4944.75) =	26.9077	Pr =	0.000		
Gender (DW)					
Male (n=999)	8.6	[6.9, 10.7]	91.4	[89.3, 93.1]	100.0
Female (n=1,596)	11.1	[9.5, 13.0]	88.9	[87.0, 90.5]	100.0
Pearson: Uncorrected chi2(1) =	4.3821				
Design-based F(1.00, 2583.00) =	3.3791	Pr =	0.066		
Race/ethnicity, detailed (2016)					
White (n=1,687)	11.8	[10.2, 13.7]	88.2	[86.3, 89.8]	100.0
Black (n=534)	7.6	[5.5, 10.6]	92.4	[89.4, 94.5]	100.0
Hispanic (n=105)	5.9	[2.6, 12.8]	94.1	[87.2, 97.4]	100.0
Arab/Chaldean (n=106)	3.0	[0.7, 11.6]	97.0	[88.4, 99.3]	100.0
Other/more than one (n=129)	10.4	[5.6, 18.5]	89.6	[81.5, 94.4]	100.0
Pearson: Uncorrected chi2(4) =	20.5986				
Design-based F(3.72, 9494.06) =	3.0375	Pr =	0.019		
FPL category (DW)					
0-35% (n=1,502)	11.1	[9.4, 13.0]	88.9	[87.0, 90.6]	100.0
36-99% (n=646)	9.2	[7.0, 11.9]	90.8	[88.1, 93.0]	100.0
100%+ (n=447)	6.4	[4.3, 9.4]	93.6	[90.6, 95.7]	100.0
Pearson: Uncorrected chi2(2) =	8.2800				
Design-based F(2.00, 5156.95) =	3.6584	Pr =	0.026		
Region (DW)					
UP/NW/NE (n=484)	12.4	[9.6, 15.9]	87.6	[84.1, 90.4]	100.0
W/E Central/E (n=816)	11.7	[9.6, 14.2]	88.3	[85.8, 90.4]	100.0
S Central/SW/SE (n=525)	10.5	[8.0, 13.7]	89.5	[86.3, 92.0]	100.0
Detroit Metro (n=770)	8.0	[6.1, 10.4]	92.0	[89.6, 93.9]	100.0
Pearson: Uncorrected chi2(3) =	9.2016				
Design-based F(2.67, 6895.31) =	2.9234	Pr =	0.038		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,729)	16.1	[14.1, 18.2]	83.9	[81.8, 85.9]	100.0
No (n=866)	0.0		100.0		100.0
Pearson: Uncorrected chi2(1) =	177.5500				
Design-based F(1.00, 2583.00) =	141.0475	Pr =	0.000		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,679)	13.1	[11.4, 15.1]	86.9	[84.9, 88.6]	100.0
No (n=916)	4.3	[3.2, 5.9]	95.7	[94.1, 96.8]	100.0
Pearson: Uncorrected chi2(1) =	52.1581				
Design-based F(1.00, 2583.00) =	46.3237	Pr =	0.000		
Total (n=2,595)	9.9	[8.7, 11.3]	90.1	[88.7, 91.3]	100.0

Note: Total n is less than universe N due to item non-response.

1.10.8 Q: Has a doctor or other health professional ever told you that you had diabetes or sugar diabetes (other than during pregnancy)?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Yes		Diabetes No		Total Row %
	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=2,002)	12.9	[11.3, 14.7]	87.1	[85.3, 88.7]	100.0
Off for 6+ months (n=396)	6.8	[4.5, 10.3]	93.2	[89.7, 95.5]	100.0
Churned off/on (n=202)	6.8	[3.6, 12.8]	93.2	[87.2, 96.4]	100.0
Pearson: Uncorrected chi2(2) =	18.1483				
Design-based F(1.94, 5013.80) =	5.4546	Pr =	0.005		
Age (DW)					
19-34 (n=735)	5.2	[3.6, 7.4]	94.8	[92.6, 96.4]	100.0
35-50 (n=808)	12.6	[10.1, 15.6]	87.4	[84.4, 89.9]	100.0
51-64 (n=1,057)	19.0	[16.3, 22.0]	81.0	[78.0, 83.7]	100.0
Pearson: Uncorrected chi2(2) =	79.4061				
Design-based F(1.93, 5002.04) =	26.7811	Pr =	0.000		
Gender (DW)					
Male (n=1,000)	12.0	[9.9, 14.5]	88.0	[85.5, 90.1]	100.0
Female (n=1,600)	10.6	[9.0, 12.5]	89.4	[87.5, 91.0]	100.0
Pearson: Uncorrected chi2(1) =	1.2722				
Design-based F(1.00, 2588.00) =	0.9533	Pr =	0.329		
Race/ethnicity, detailed (2016)					
White (n=1,692)	11.3	[9.6, 13.2]	88.7	[86.8, 90.4]	100.0
Black (n=535)	11.1	[8.5, 14.3]	88.9	[85.7, 91.5]	100.0
Hispanic (n=105)	15.6	[9.3, 24.8]	84.4	[75.2, 90.7]	100.0
Arab/Chaldean (n=106)	10.6	[5.7, 19.0]	89.4	[81.0, 94.3]	100.0
Other/more than one (n=129)	8.0	[4.6, 13.8]	92.0	[86.2, 95.4]	100.0
Pearson: Uncorrected chi2(4) =	3.8498				
Design-based F(3.89, 9938.08) =	0.6845	Pr =	0.599		
FPL category (DW)					
0-35% (n=1,504)	12.4	[10.6, 14.5]	87.6	[85.5, 89.4]	100.0
36-99% (n=649)	8.7	[6.5, 11.5]	91.3	[88.5, 93.5]	100.0
100%+ (n=447)	11.0	[8.1, 14.6]	89.0	[85.4, 91.9]	100.0
Pearson: Uncorrected chi2(2) =	6.0476				
Design-based F(2.00, 5163.41) =	2.5085	Pr =	0.082		
Region (DW)					
UP/NW/NE (n=486)	12.2	[9.4, 15.7]	87.8	[84.3, 90.6]	100.0
W/E Central/E (n=820)	10.9	[8.8, 13.4]	89.1	[86.6, 91.2]	100.0
S Central/SW/SE (n=523)	9.5	[7.2, 12.5]	90.5	[87.5, 92.8]	100.0
Detroit Metro (n=771)	12.1	[9.8, 14.9]	87.9	[85.1, 90.2]	100.0
Pearson: Uncorrected chi2(3) =	2.6681				
Design-based F(2.71, 7022.13) =	0.8720	Pr =	0.446		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,731)	18.4	[16.3, 20.7]	81.6	[79.3, 83.7]	100.0
No (n=869)	0.0		100.0		100.0
Pearson: Uncorrected chi2(1) =	207.0461				
Design-based F(1.00, 2588.00) =	158.7007	Pr =	0.000		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,680)	12.5	[10.7, 14.5]	87.5	[85.5, 89.3]	100.0
No (n=920)	9.3	[7.4, 11.6]	90.7	[88.4, 92.6]	100.0
Pearson: Uncorrected chi2(1) =	6.1180				
Design-based F(1.00, 2588.00) =	4.6436	Pr =	0.031		
Total (n=2,600)	11.3	[10.0, 12.8]	88.7	[87.2, 90.0]	100.0

Note: Total n is less than universe N due to item non-response.

1.10.9 Q: Has a doctor or other health professional ever told you that you had a heart condition or heart disease?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Heart condition or heart disease				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=2,001)	9.9	[8.4, 11.5]	90.1	[88.5, 91.6]	100.0
Off for 6+ months (n=397)	6.5	[4.3, 9.8]	93.5	[90.2, 95.7]	100.0
Churned off/on (n=203)	4.8	[2.4, 9.2]	95.2	[90.8, 97.6]	100.0
Pearson: Uncorrected chi2(2) =	10.6295				
Design-based F(1.99, 5163.84) =	3.7903	Pr =	0.023		
Age (DW)					
19-34 (n=734)	4.5	[3.1, 6.4]	95.5	[93.6, 96.9]	100.0
35-50 (n=810)	8.4	[6.3, 11.1]	91.6	[88.9, 93.7]	100.0
51-64 (n=1,057)	16.0	[13.5, 18.9]	84.0	[81.1, 86.5]	100.0
Pearson: Uncorrected chi2(2) =	67.7895				
Design-based F(1.97, 5090.54) =	23.1310	Pr =	0.000		
Gender (DW)					
Male (n=998)	10.2	[8.2, 12.5]	89.8	[87.5, 91.8]	100.0
Female (n=1,603)	7.6	[6.3, 9.2]	92.4	[90.8, 93.7]	100.0
Pearson: Uncorrected chi2(1) =	5.2998				
Design-based F(1.00, 2589.00) =	4.0591	Pr =	0.044		
Race/ethnicity, detailed (2016)					
White (n=1,689)	10.2	[8.6, 12.1]	89.8	[87.9, 91.4]	100.0
Black (n=537)	8.8	[6.4, 12.0]	91.2	[88.0, 93.6]	100.0
Hispanic (n=105)	1.5	[0.3, 6.4]	98.5	[93.6, 99.7]	100.0
Arab/Chaldean (n=106)	2.1	[0.6, 7.5]	97.9	[92.5, 99.4]	100.0
Other/more than one (n=130)	8.8	[4.9, 15.3]	91.2	[84.7, 95.1]	100.0
Pearson: Uncorrected chi2(4) =	19.9462				
Design-based F(3.90, 9962.99) =	3.7445	Pr =	0.005		
FPL category (DW)					
0-35% (n=1,505)	10.3	[8.6, 12.2]	89.7	[87.8, 91.4]	100.0
36-99% (n=649)	6.6	[4.8, 8.9]	93.4	[91.1, 95.2]	100.0
100%+ (n=447)	6.5	[4.4, 9.5]	93.5	[90.5, 95.6]	100.0
Pearson: Uncorrected chi2(2) =	10.4691				
Design-based F(1.99, 5163.88) =	4.6552	Pr =	0.010		
Region (DW)					
UP/NW/NE (n=485)	11.3	[8.4, 14.9]	88.7	[85.1, 91.6]	100.0
W/E Central/E (n=819)	9.7	[7.7, 12.1]	90.3	[87.9, 92.3]	100.0
S Central/SW/SE (n=525)	9.2	[6.7, 12.5]	90.8	[87.5, 93.3]	100.0
Detroit Metro (n=772)	7.6	[5.8, 10.0]	92.4	[90.0, 94.2]	100.0
Pearson: Uncorrected chi2(3) =	4.4745				
Design-based F(2.73, 7068.91) =	1.3122	Pr =	0.269		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,733)	14.3	[12.4, 16.4]	85.7	[83.6, 87.6]	100.0
No (n=868)	0.0		100.0		100.0
Pearson: Uncorrected chi2(1) =	156.6954				
Design-based F(1.00, 2589.00) =	118.9121	Pr =	0.000		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,681)	10.2	[8.6, 12.0]	89.8	[88.0, 91.4]	100.0
No (n=920)	6.5	[4.9, 8.6]	93.5	[91.4, 95.1]	100.0
Pearson: Uncorrected chi2(1) =	10.2742				
Design-based F(1.00, 2589.00) =	7.4717	Pr =	0.006		
Total (n=2,601)	8.8	[7.7, 10.2]	91.2	[89.8, 92.3]	100.0

Note: Total n is less than universe N due to item non-response.

1.10.10 Q: Has a doctor or other health professional ever told you that you had a substance use disorder?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Substance use disorder				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=2,006)	4.6	[3.6, 5.9]	95.4	[94.1, 96.4]	100.0
Off for 6+ months (n=398)	2.4	[1.2, 4.6]	97.6	[95.4, 98.8]	100.0
Churned off/on (n=203)	3.6	[1.8, 7.0]	96.4	[93.0, 98.2]	100.0
Pearson: Uncorrected chi2(2) =	4.4905				
Design-based F(2.00, 5183.84) =	1.8690	Pr =	0.154		
Age (DW)					
19-34 (n=736)	2.9	[1.8, 4.6]	97.1	[95.4, 98.2]	100.0
35-50 (n=811)	5.1	[3.6, 7.4]	94.9	[92.6, 96.4]	100.0
51-64 (n=1,060)	4.7	[3.3, 6.7]	95.3	[93.3, 96.7]	100.0
Pearson: Uncorrected chi2(2) =	6.5836				
Design-based F(1.97, 5103.24) =	2.2050	Pr =	0.111		
Gender (DW)					
Male (n=1,004)	6.4	[4.9, 8.3]	93.6	[91.7, 95.1]	100.0
Female (n=1,603)	2.0	[1.4, 3.1]	98.0	[96.9, 98.6]	100.0
Pearson: Uncorrected chi2(1) =	30.7042				
Design-based F(1.00, 2595.00) =	23.2853	Pr =	0.000		
Race/ethnicity, detailed (2016)					
White (n=1,695)	5.3	[4.0, 6.9]	94.7	[93.1, 96.0]	100.0
Black (n=537)	1.8	[0.9, 3.3]	98.2	[96.7, 99.1]	100.0
Hispanic (n=105)	0.0		100.0		100.0
Arab/Chaldean (n=106)	5.9	[2.4, 13.7]	94.1	[86.3, 97.6]	100.0
Other/more than one (n=130)	5.8	[2.7, 12.0]	94.2	[88.0, 97.3]	100.0
Pearson: Uncorrected chi2(4) =	21.5884				
Design-based F(3.92, 10029.81) =	3.5158	Pr =	0.008		
FPL category (DW)					
0-35% (n=1,512)	4.4	[3.3, 5.8]	95.6	[94.2, 96.7]	100.0
36-99% (n=648)	3.2	[1.9, 5.6]	96.8	[94.4, 98.1]	100.0
100%+ (n=447)	4.4	[2.5, 7.7]	95.6	[92.3, 97.5]	100.0
Pearson: Uncorrected chi2(2) =	1.5799				
Design-based F(2.00, 5186.95) =	0.5057	Pr =	0.603		
Region (DW)					
UP/NW/NE (n=488)	5.3	[3.6, 7.8]	94.7	[92.2, 96.4]	100.0
W/E Central/E (n=822)	5.4	[3.8, 7.7]	94.6	[92.3, 96.2]	100.0
S Central/SW/SE (n=525)	3.4	[1.9, 5.8]	96.6	[94.2, 98.1]	100.0
Detroit Metro (n=772)	3.4	[2.2, 5.3]	96.6	[94.7, 97.8]	100.0
Pearson: Uncorrected chi2(3) =	5.9881				
Design-based F(2.63, 6829.51) =	1.5931	Pr =	0.195		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,738)	5.0	[3.8, 6.4]	95.0	[93.6, 96.2]	100.0
No (n=869)	2.8	[1.8, 4.5]	97.2	[95.5, 98.2]	100.0
Pearson: Uncorrected chi2(1) =	7.0737				
Design-based F(1.00, 2595.00) =	4.5278	Pr =	0.033		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,687)	6.5	[5.2, 8.2]	93.5	[91.8, 94.8]	100.0
No (n=920)	0.0		100.0		100.0
Pearson: Uncorrected chi2(1) =	65.2282				
Design-based F(1.00, 2595.00) =	44.3179	Pr =	0.000		
Total (n=2,607)	4.1	[3.3, 5.2]	95.9	[94.8, 96.7]	100.0

Note: Total n is less than universe N due to item non-response.

1.10.11 Q: Has a doctor or other health professional ever told you that you had cancer, other than skin cancer?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Yes		Cancer No		Total Row %
	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,998)	2.9	[2.2, 3.8]	97.1	[96.2, 97.8]	100.0
Off for 6+ months (n=396)	2.6	[1.5, 4.4]	97.4	[95.6, 98.5]	100.0
Churned off/on (n=201)	1.9	[0.7, 5.5]	98.1	[94.5, 99.3]	100.0
Pearson: Uncorrected chi2(2) =	0.8513				
Design-based F(1.87, 4835.29) =	0.3708	Pr =	0.676		
Age (DW)					
19-34 (n=733)	0.4	[0.1, 1.2]	99.6	[98.8, 99.9]	100.0
35-50 (n=808)	2.9	[1.9, 4.4]	97.1	[95.6, 98.1]	100.0
51-64 (n=1,054)	6.2	[4.7, 8.3]	93.8	[91.7, 95.3]	100.0
Pearson: Uncorrected chi2(2) =	52.4910				
Design-based F(1.98, 5118.66) =	21.4053	Pr =	0.000		
Gender (DW)					
Male (n=997)	1.9	[1.2, 3.0]	98.1	[97.0, 98.8]	100.0
Female (n=1,598)	3.5	[2.7, 4.6]	96.5	[95.4, 97.3]	100.0
Pearson: Uncorrected chi2(1) =	6.1889				
Design-based F(1.00, 2583.00) =	5.4100	Pr =	0.020		
Race/ethnicity, detailed (2016)					
White (n=1,687)	3.3	[2.5, 4.3]	96.7	[95.7, 97.5]	100.0
Black (n=537)	1.9	[1.0, 3.5]	98.1	[96.5, 99.0]	100.0
Hispanic (n=102)	0.3	[0.0, 2.4]	99.7	[97.6, 100.0]	100.0
Arab/Chaldean (n=105)	4.1	[1.5, 11.0]	95.9	[89.0, 98.5]	100.0
Other/more than one (n=130)	2.3	[0.9, 5.9]	97.7	[94.1, 99.1]	100.0
Pearson: Uncorrected chi2(4) =	6.9586				
Design-based F(3.31, 8433.18) =	1.6596	Pr =	0.168		
FPL category (DW)					
0-35% (n=1,504)	3.1	[2.3, 4.2]	96.9	[95.8, 97.7]	100.0
36-99% (n=644)	2.6	[1.6, 4.3]	97.4	[95.7, 98.4]	100.0
100%+ (n=447)	1.5	[0.7, 3.1]	98.5	[96.9, 99.3]	100.0
Pearson: Uncorrected chi2(2) =	3.3497				
Design-based F(2.00, 5154.38) =	1.7263	Pr =	0.178		
Region (DW)					
UP/NW/NE (n=485)	4.4	[2.7, 7.1]	95.6	[92.9, 97.3]	100.0
W/E Central/E (n=821)	2.2	[1.4, 3.4]	97.8	[96.6, 98.6]	100.0
S Central/SW/SE (n=522)	3.1	[1.9, 5.0]	96.9	[95.0, 98.1]	100.0
Detroit Metro (n=767)	2.6	[1.7, 4.0]	97.4	[96.0, 98.3]	100.0
Pearson: Uncorrected chi2(3) =	3.3345				
Design-based F(2.87, 7404.44) =	1.2104	Pr =	0.304		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,728)	4.5	[3.5, 5.6]	95.5	[94.4, 96.5]	100.0
No (n=867)	0.0		100.0		100.0
Pearson: Uncorrected chi2(1) =	45.8827				
Design-based F(1.00, 2583.00) =	42.0811	Pr =	0.000		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,678)	3.0	[2.3, 4.0]	97.0	[96.0, 97.7]	100.0
No (n=917)	2.3	[1.5, 3.5]	97.7	[96.5, 98.5]	100.0
Pearson: Uncorrected chi2(1) =	1.1396				
Design-based F(1.00, 2583.00) =	1.0610	Pr =	0.303		
Total (n=2,595)	2.8	[2.2, 3.5]	97.2	[96.5, 97.8]	100.0

Note: Total n is less than universe N due to item non-response.

1.10.12 Q: Has a doctor or other health professional ever told you that you had a stroke?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Yes		Stroke No		Total Row %
	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=2,005)	2.3	[1.7, 3.2]	97.7	[96.8, 98.3]	100.0
Off for 6+ months (n=398)	1.8	[0.8, 3.9]	98.2	[96.1, 99.2]	100.0
Churned off/on (n=203)	1.8	[0.8, 3.8]	98.2	[96.2, 99.2]	100.0
Pearson: Uncorrected chi2(2) =	0.6336				
Design-based F(1.90, 4938.05) =	0.3256	Pr =	0.711		
Age (DW)					
19-34 (n=735)	0.5	[0.2, 1.5]	99.5	[98.5, 99.8]	100.0
35-50 (n=812)	2.3	[1.4, 3.9]	97.7	[96.1, 98.6]	100.0
51-64 (n=1,059)	4.6	[3.3, 6.5]	95.4	[93.5, 96.7]	100.0
Pearson: Uncorrected chi2(2) =	32.7144				
Design-based F(1.97, 5104.59) =	11.3067	Pr =	0.000		
Gender (DW)					
Male (n=1,003)	2.8	[1.8, 4.1]	97.2	[95.9, 98.2]	100.0
Female (n=1,603)	1.7	[1.1, 2.5]	98.3	[97.5, 98.9]	100.0
Pearson: Uncorrected chi2(1) =	3.5174				
Design-based F(1.00, 2594.00) =	3.1481	Pr =	0.076		
Race/ethnicity, detailed (2016)					
White (n=1,694)	2.0	[1.4, 3.0]	98.0	[97.0, 98.6]	100.0
Black (n=537)	1.9	[1.1, 3.2]	98.1	[96.8, 98.9]	100.0
Hispanic (n=105)	3.1	[1.0, 9.1]	96.9	[90.9, 99.0]	100.0
Arab/Chaldean (n=106)	0.0		100.0		100.0
Other/more than one (n=130)	7.2	[3.4, 14.7]	92.8	[85.3, 96.6]	100.0
Pearson: Uncorrected chi2(4) =	22.7272				
Design-based F(3.87, 9901.67) =	4.3341	Pr =	0.002		
FPL category (DW)					
0-35% (n=1,510)	2.7	[1.9, 3.7]	97.3	[96.3, 98.1]	100.0
36-99% (n=649)	1.0	[0.4, 2.4]	99.0	[97.6, 99.6]	100.0
100%+ (n=447)	2.0	[1.0, 4.1]	98.0	[95.9, 99.0]	100.0
Pearson: Uncorrected chi2(2) =	5.7611				
Design-based F(1.99, 5167.57) =	2.4989	Pr =	0.082		
Region (DW)					
UP/NW/NE (n=488)	2.5	[1.5, 4.3]	97.5	[95.7, 98.5]	100.0
W/E Central/E (n=822)	2.7	[1.7, 4.3]	97.3	[95.7, 98.3]	100.0
S Central/SW/SE (n=526)	2.1	[1.2, 3.7]	97.9	[96.3, 98.8]	100.0
Detroit Metro (n=770)	1.8	[1.0, 3.2]	98.2	[96.8, 99.0]	100.0
Pearson: Uncorrected chi2(3) =	1.9448				
Design-based F(2.61, 6768.91) =	0.6511	Pr =	0.561		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,737)	3.6	[2.7, 4.7]	96.4	[95.3, 97.3]	100.0
No (n=869)	0.0		100.0		100.0
Pearson: Uncorrected chi2(1) =	36.5455				
Design-based F(1.00, 2594.00) =	29.4674	Pr =	0.000		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,686)	3.1	[2.3, 4.2]	96.9	[95.8, 97.7]	100.0
No (n=920)	0.6	[0.3, 1.3]	99.4	[98.7, 99.7]	100.0
Pearson: Uncorrected chi2(1) =	17.6937				
Design-based F(1.00, 2594.00) =	19.1824	Pr =	0.000		
Total (n=2,606)	2.2	[1.7, 2.9]	97.8	[97.1, 98.3]	100.0

Note: Total n is less than universe N due to item non-response.

1.10.13 Q: Has a doctor or other health professional ever told you that you had any other ongoing health condition?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Other chronic health condition				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=2,005)	30.5	[28.0, 33.0]	69.5	[67.0, 72.0]	100.0
Off for 6+ months (n=398)	20.9	[16.8, 25.7]	79.1	[74.3, 83.2]	100.0
Churned off/on (n=202)	23.0	[16.9, 30.4]	77.0	[69.6, 83.1]	100.0
Pearson: Uncorrected chi2(2) =	19.3461				
Design-based F(1.98, 5130.11) =	6.4093	Pr =	0.002		
Age (DW)					
19-34 (n=734)	22.1	[18.9, 25.7]	77.9	[74.3, 81.1]	100.0
35-50 (n=811)	33.1	[29.3, 37.0]	66.9	[63.0, 70.7]	100.0
51-64 (n=1,060)	31.1	[27.7, 34.6]	68.9	[65.4, 72.3]	100.0
Pearson: Uncorrected chi2(2) =	31.9530				
Design-based F(1.94, 5020.29) =	11.0967	Pr =	0.000		
Gender (DW)					
Male (n=1,003)	25.5	[22.5, 28.8]	74.5	[71.2, 77.5]	100.0
Female (n=1,602)	30.8	[28.0, 33.6]	69.2	[66.4, 72.0]	100.0
Pearson: Uncorrected chi2(1) =	8.8373				
Design-based F(1.00, 2593.00) =	5.7615	Pr =	0.016		
Race/ethnicity, detailed (2016)					
White (n=1,694)	30.6	[27.9, 33.4]	69.4	[66.6, 72.1]	100.0
Black (n=537)	19.7	[16.2, 23.8]	80.3	[76.2, 83.8]	100.0
Hispanic (n=105)	26.5	[18.0, 37.2]	73.5	[62.8, 82.0]	100.0
Arab/Chaldean (n=105)	27.3	[18.3, 38.5]	72.7	[61.5, 81.7]	100.0
Other/more than one (n=130)	38.1	[28.6, 48.6]	61.9	[51.4, 71.4]	100.0
Pearson: Uncorrected chi2(4) =	36.5029				
Design-based F(3.93, 10056.16) =	5.3982	Pr =	0.000		
FPL category (DW)					
0-35% (n=1,511)	29.4	[26.7, 32.3]	70.6	[67.7, 73.3]	100.0
36-99% (n=648)	26.7	[22.7, 31.1]	73.3	[68.9, 77.3]	100.0
100%+ (n=446)	25.6	[21.2, 30.6]	74.4	[69.4, 78.8]	100.0
Pearson: Uncorrected chi2(2) =	3.2464				
Design-based F(1.99, 5159.77) =	1.1905	Pr =	0.304		
Region (DW)					
UP/NW/NE (n=487)	29.9	[25.6, 34.7]	70.1	[65.3, 74.4]	100.0
W/E Central/E (n=821)	31.2	[27.6, 35.0]	68.8	[65.0, 72.4]	100.0
S Central/SW/SE (n=525)	28.5	[24.1, 33.2]	71.5	[66.8, 75.9]	100.0
Detroit Metro (n=772)	25.8	[22.4, 29.5]	74.2	[70.5, 77.6]	100.0
Pearson: Uncorrected chi2(3) =	6.8952				
Design-based F(2.69, 6987.28) =	1.9127	Pr =	0.132		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,737)	32.7	[30.1, 35.5]	67.3	[64.5, 69.9]	100.0
No (n=868)	20.9	[17.9, 24.3]	79.1	[75.7, 82.1]	100.0
Pearson: Uncorrected chi2(1) =	42.5930				
Design-based F(1.00, 2593.00) =	27.0266	Pr =	0.000		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,686)	33.5	[30.8, 36.3]	66.5	[63.7, 69.2]	100.0
No (n=919)	19.1	[16.3, 22.2]	80.9	[77.8, 83.7]	100.0
Pearson: Uncorrected chi2(1) =	62.0048				
Design-based F(1.00, 2593.00) =	42.6362	Pr =	0.000		
Total (n=2,605)	28.2	[26.1, 30.4]	71.8	[69.6, 73.9]	100.0

Note: Total n is less than universe N due to item non-response.

1.10.13.1 Q: What is the condition?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who had any other ongoing health condition (N=784)

	Weighted Proportion	95% CI
Other (n=543)	71.7	[67.7, 75.5]
Back pains (n=127)	14.8	[12.1, 18.2]
Thyroid/hypo-thyroid (n=92)	10.6	[8.3, 13.6]
Cholesterol (n=67)	8.2	[6.1, 10.9]
Allergies (n=23)	2.6	[1.5, 4.5]

Note: Respondents were able to provide multiple responses.

1.11 Chronic condition (2016, 2017, 2018)

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Chronic condition (2016, 2017, 2018)				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=2,007)	63.7	[60.9, 66.3]	36.3	[33.7, 39.1]	100.0
Off for 6+ months (n=398)	54.8	[48.8, 60.7]	45.2	[39.3, 51.2]	100.0
Churned off/on (n=203)	57.8	[49.3, 65.9]	42.2	[34.1, 50.7]	100.0
Pearson: Uncorrected chi2(2) =	13.2253				
Design-based F(1.98, 5146.69) =	3.8479	Pr =	0.022		
Age (DW)					
19-34 (n=736)	48.0	[43.9, 52.2]	52.0	[47.8, 56.1]	100.0
35-50 (n=812)	64.3	[60.3, 68.2]	35.7	[31.8, 39.7]	100.0
51-64 (n=1,060)	79.0	[75.6, 82.0]	21.0	[18.0, 24.4]	100.0
Pearson: Uncorrected chi2(2) =	169.8445				
Design-based F(1.94, 5023.94) =	57.8139	Pr =	0.000		
Gender (DW)					
Male (n=1,004)	62.3	[58.5, 65.8]	37.7	[34.2, 41.5]	100.0
Female (n=1,604)	61.1	[58.1, 64.1]	38.9	[35.9, 41.9]	100.0
Pearson: Uncorrected chi2(1) =	0.3633				
Design-based F(1.00, 2596.00) =	0.2246	Pr =	0.636		
Race/ethnicity, detailed (2016)					
White (n=1,696)	62.4	[59.4, 65.3]	37.6	[34.7, 40.6]	100.0
Black (n=537)	66.3	[61.3, 71.0]	33.7	[29.0, 38.7]	100.0
Hispanic (n=105)	51.3	[40.0, 62.5]	48.7	[37.5, 60.0]	100.0
Arab/Chaldean (n=106)	44.2	[33.8, 55.2]	55.8	[44.8, 66.2]	100.0
Other/more than one (n=130)	57.6	[46.7, 67.8]	42.4	[32.2, 53.3]	100.0
Pearson: Uncorrected chi2(4) =	32.7669				
Design-based F(3.97, 10176.61) =	4.5997	Pr =	0.001		
FPL category (DW)					
0-35% (n=1,512)	64.9	[61.7, 67.9]	35.1	[32.1, 38.3]	100.0
36-99% (n=649)	57.9	[53.1, 62.6]	42.1	[37.4, 46.9]	100.0
100%+ (n=447)	54.4	[48.7, 60.1]	45.6	[39.9, 51.3]	100.0
Pearson: Uncorrected chi2(2) =	19.4657				
Design-based F(1.99, 5176.85) =	6.6206	Pr =	0.001		
Region (DW)					
UP/NW/NE (n=488)	63.8	[58.5, 68.7]	36.2	[31.3, 41.5]	100.0
W/E Central/E (n=822)	65.1	[61.1, 69.0]	34.9	[31.0, 38.9]	100.0
S Central/SW/SE (n=526)	61.4	[56.1, 66.4]	38.6	[33.6, 43.9]	100.0
Detroit Metro (n=772)	59.1	[55.0, 63.1]	40.9	[36.9, 45.0]	100.0
Pearson: Uncorrected chi2(3) =	7.4551				
Design-based F(2.75, 7129.54) =	1.9457	Pr =	0.126		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,688)	68.0	[65.1, 70.8]	32.0	[29.2, 34.9]	100.0
No (n=920)	50.7	[46.7, 54.7]	49.3	[45.3, 53.3]	100.0
Pearson: Uncorrected chi2(1) =	76.9224				
Design-based F(1.00, 2596.00) =	48.0184	Pr =	0.000		
Total (n=2,608)	61.7	[59.3, 64.0]	38.3	[36.0, 40.7]	100.0

Note: Chronic condition was defined as reporting on any survey that a doctor or other health professional ever said they had asthma, cancer other than skin cancer, COPD/chronic bronchitis, diabetes, hypertension, heart disease, or stroke.

1.12 Count of chronic conditions (2016, 2017, 2018)

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Count of chronic conditions (2016, 2017, 2018)							Total Row %
	None		One		Two or more			
	Row %	95% CI	Row %	95% CI	Row %	95% CI		
HMP/Medicaid enrollment pattern (DW)								
Stayed on (n=2,007)	36.3	[33.7, 39.1]	28.6	[26.2, 31.2]	35.0	[32.5, 37.6]	100.0	
Off for 6+ months (n=398)	45.2	[39.3, 51.2]	30.8	[25.6, 36.5]	24.0	[19.4, 29.3]	100.0	
Churned off/on (n=203)	42.2	[34.1, 50.7]	37.1	[29.3, 45.6]	20.7	[15.1, 27.6]	100.0	
Pearson: Uncorrected chi2(4) =	38.0505							
Design-based F(3.95, 10253.34) =	5.8109	Pr =	0.000					
Age (DW)								
19-34 (n=736)	52.0	[47.8, 56.1]	30.6	[26.8, 34.6]	17.5	[14.6, 20.8]	100.0	
35-50 (n=812)	35.7	[31.8, 39.7]	28.1	[24.5, 31.9]	36.3	[32.4, 40.4]	100.0	
51-64 (n=1,060)	21.0	[18.0, 24.4]	30.9	[27.6, 34.6]	48.0	[44.3, 51.8]	100.0	
Pearson: Uncorrected chi2(4) =	234.4300							
Design-based F(3.88, 10063.52) =	39.8401	Pr =	0.000					
Gender (DW)								
Male (n=1,004)	37.7	[34.2, 41.5]	30.5	[27.1, 34.1]	31.8	[28.5, 35.2]	100.0	
Female (n=1,604)	38.9	[35.9, 41.9]	29.1	[26.5, 31.9]	32.0	[29.3, 34.8]	100.0	
Pearson: Uncorrected chi2(2) =	0.6342							
Design-based F(1.99, 5177.21) =	0.2038	Pr =	0.815					
Race/ethnicity, detailed (2016)								
White (n=1,696)	37.6	[34.7, 40.6]	29.0	[26.4, 31.8]	33.4	[30.7, 36.2]	100.0	
Black (n=537)	33.7	[29.0, 38.7]	33.4	[28.7, 38.4]	32.9	[28.5, 37.7]	100.0	
Hispanic (n=105)	48.7	[37.5, 60.0]	30.4	[20.9, 41.9]	20.9	[13.7, 30.6]	100.0	
Arab/Chaldean (n=106)	55.8	[44.8, 66.2]	26.0	[17.5, 36.9]	18.2	[11.2, 28.2]	100.0	
Other/more than one (n=130)	42.4	[32.2, 53.3]	22.5	[14.9, 32.7]	35.1	[26.0, 45.4]	100.0	
Pearson: Uncorrected chi2(8) =	42.2034							
Design-based F(7.88, 20177.87) =	3.0713	Pr =	0.002					
FPL category (DW)								
0-35% (n=1,512)	35.1	[32.1, 38.3]	28.4	[25.6, 31.3]	36.5	[33.6, 39.5]	100.0	
36-99% (n=649)	42.1	[37.4, 46.9]	33.7	[29.3, 38.4]	24.2	[20.6, 28.2]	100.0	
100%+ (n=447)	45.6	[39.9, 51.3]	29.6	[24.7, 35.1]	24.8	[20.5, 29.6]	100.0	
Pearson: Uncorrected chi2(4) =	44.2280							
Design-based F(3.95, 10259.87) =	7.9630	Pr =	0.000					
Region (DW)								
UP/NW/NE (n=488)	36.2	[31.3, 41.5]	29.1	[24.5, 34.1]	34.7	[30.1, 39.5]	100.0	
W/E Central/E (n=822)	34.9	[31.0, 38.9]	30.6	[27.0, 34.5]	34.6	[30.9, 38.4]	100.0	
S Central/SW/SE (n=526)	38.6	[33.6, 43.9]	29.6	[25.1, 34.6]	31.8	[27.3, 36.5]	100.0	
Detroit Metro (n=772)	40.9	[36.9, 45.0]	29.5	[25.9, 33.4]	29.6	[26.1, 33.4]	100.0	
Pearson: Uncorrected chi2(6) =	8.9621							
Design-based F(5.45, 14151.26) =	1.2119	Pr =	0.299					
MH/SUD (2016, 2017, 2018 or DW)								
Yes (n=1,688)	32.0	[29.2, 34.9]	29.2	[26.5, 32.0]	38.8	[36.0, 41.7]	100.0	
No (n=920)	49.3	[45.3, 53.3]	30.9	[27.3, 34.7]	19.8	[17.0, 22.9]	100.0	
Pearson: Uncorrected chi2(2) =	116.9688							
Design-based F(1.99, 5159.52) =	38.5466	Pr =	0.000					
Total (n=2,608)	38.3	[36.0, 40.7]	29.8	[27.6, 32.0]	31.9	[29.8, 34.1]	100.0	

Note: Chronic condition was defined as reporting on any survey that a doctor or other health professional ever said they had asthma, cancer other than skin cancer, COPD/chronic bronchitis, diabetes, hypertension, heart disease, or stroke.

1.13 Mental health condition and/or substance use disorder (2016, 2017, 2018 or DW)

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	MH/SUD (2016, 2017, 2018 or DW)				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=2,007)	66.3	[63.7, 68.8]	33.7	[31.2, 36.3]	100.0
Off for 6+ months (n=398)	49.8	[43.8, 55.7]	50.2	[44.3, 56.2]	100.0
Churned off/on (n=203)	63.5	[55.1, 71.3]	36.5	[28.7, 44.9]	100.0
Pearson: Uncorrected chi2(2) =	40.5006				
Design-based F(1.98, 5140.35) =	11.8920	Pr =	0.000		
Age (DW)					
19-34 (n=736)	62.1	[58.0, 66.1]	37.9	[33.9, 42.0]	100.0
35-50 (n=812)	66.8	[62.7, 70.7]	33.2	[29.3, 37.3]	100.0
51-64 (n=1,060)	60.7	[57.0, 64.4]	39.3	[35.6, 43.0]	100.0
Pearson: Uncorrected chi2(2) =	7.3336				
Design-based F(1.93, 5014.76) =	2.4621	Pr =	0.087		
Gender (DW)					
Male (n=1,004)	60.9	[57.2, 64.5]	39.1	[35.5, 42.8]	100.0
Female (n=1,604)	65.7	[62.8, 68.5]	34.3	[31.5, 37.2]	100.0
Pearson: Uncorrected chi2(1) =	6.5657				
Design-based F(1.00, 2596.00) =	4.1592	Pr =	0.042		
Race/ethnicity, detailed (2016)					
White (n=1,696)	70.1	[67.3, 72.7]	29.9	[27.3, 32.7]	100.0
Black (n=537)	53.9	[48.8, 58.9]	46.1	[41.1, 51.2]	100.0
Hispanic (n=105)	55.3	[43.8, 66.2]	44.7	[33.8, 56.2]	100.0
Arab/Chaldean (n=106)	43.0	[32.7, 54.0]	57.0	[46.0, 67.3]	100.0
Other/more than one (n=130)	68.7	[57.5, 78.0]	31.3	[22.0, 42.5]	100.0
Pearson: Uncorrected chi2(4) =	87.8899				
Design-based F(3.95, 10131.34) =	12.2928	Pr =	0.000		
FPL category (DW)					
0-35% (n=1,512)	66.5	[63.5, 69.5]	33.5	[30.5, 36.5]	100.0
36-99% (n=649)	60.0	[55.2, 64.6]	40.0	[35.4, 44.8]	100.0
100%+ (n=447)	55.8	[50.1, 61.4]	44.2	[38.6, 49.9]	100.0
Pearson: Uncorrected chi2(2) =	19.6876				
Design-based F(1.99, 5177.63) =	6.7535	Pr =	0.001		
Region (DW)					
UP/NW/NE (n=488)	68.1	[63.1, 72.7]	31.9	[27.3, 36.9]	100.0
W/E Central/E (n=822)	68.4	[64.5, 72.0]	31.6	[28.0, 35.5]	100.0
S Central/SW/SE (n=526)	66.6	[61.5, 71.4]	33.4	[28.6, 38.5]	100.0
Detroit Metro (n=772)	57.8	[53.8, 61.7]	42.2	[38.3, 46.2]	100.0
Pearson: Uncorrected chi2(3) =	27.8490				
Design-based F(2.74, 7107.11) =	7.5154	Pr =	0.000		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,739)	69.9	[67.1, 72.6]	30.1	[27.4, 32.9]	100.0
No (n=869)	52.9	[48.9, 56.9]	47.1	[43.1, 51.1]	100.0
Pearson: Uncorrected chi2(1) =	76.9224				
Design-based F(1.00, 2596.00) =	48.0184	Pr =	0.000		
Total (n=2,608)	63.4	[61.1, 65.7]	36.6	[34.3, 38.9]	100.0

Note: Mental health condition and/or substance use disorder was defined as either survey report in 2016, 2017, or 2018 or claims evidence of having at least one mental health condition OR substance use disorder, as defined in Appendix C.

1.14 Q: Do you have a health problem or disability which prevents you from working or which limits the kind or amount of work you can do?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Health problem or disability that affects ability to work				Total Row %
	Yes		No		
	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,998)	36.8	[34.3, 39.4]	63.2	[60.6, 65.7]	100.0
Off for 6+ months (n=395)	13.8	[10.3, 18.2]	86.2	[81.8, 89.7]	100.0
Churned off/on (n=202)	23.5	[17.3, 31.0]	76.5	[69.0, 82.7]	100.0
Pearson: Uncorrected chi2(2) =	92.6631				
Design-based F(1.98, 5119.30) =	29.5650	Pr =	0.000		
Age (DW)					
19-34 (n=730)	17.6	[14.6, 21.0]	82.4	[79.0, 85.4]	100.0
35-50 (n=808)	36.2	[32.4, 40.3]	63.8	[59.7, 67.6]	100.0
51-64 (n=1,057)	47.7	[44.0, 51.5]	52.3	[48.5, 56.0]	100.0
Pearson: Uncorrected chi2(2) =	182.3730				
Design-based F(1.93, 4984.16) =	60.9704	Pr =	0.000		
Gender (DW)					
Male (n=997)	32.9	[29.5, 36.4]	67.1	[63.6, 70.5]	100.0
Female (n=1,598)	30.8	[28.2, 33.6]	69.2	[66.4, 71.8]	100.0
Pearson: Uncorrected chi2(1) =	1.2231				
Design-based F(1.00, 2583.00) =	0.8163	Pr =	0.366		
Race/ethnicity, detailed (2016)					
White (n=1,690)	34.5	[31.8, 37.3]	65.5	[62.7, 68.2]	100.0
Black (n=534)	28.2	[24.0, 32.8]	71.8	[67.2, 76.0]	100.0
Hispanic (n=105)	22.1	[14.5, 32.2]	77.9	[67.8, 85.5]	100.0
Arab/Chaldean (n=106)	25.0	[16.4, 36.2]	75.0	[63.8, 83.6]	100.0
Other/more than one (n=128)	35.8	[26.6, 46.1]	64.2	[53.9, 73.4]	100.0
Pearson: Uncorrected chi2(4) =	18.5565				
Design-based F(3.91, 9965.95) =	2.7538	Pr =	0.028		
FPL category (DW)					
0-35% (n=1,502)	39.3	[36.3, 42.3]	60.7	[57.7, 63.7]	100.0
36-99% (n=647)	21.1	[17.6, 25.2]	78.9	[74.8, 82.4]	100.0
100%+ (n=446)	18.1	[14.3, 22.6]	81.9	[77.4, 85.7]	100.0
Pearson: Uncorrected chi2(2) =	107.2211				
Design-based F(1.99, 5150.98) =	40.3020	Pr =	0.000		
Region (DW)					
UP/NW/NE (n=487)	34.3	[29.7, 39.3]	65.7	[60.7, 70.3]	100.0
W/E Central/E (n=819)	35.3	[31.7, 39.1]	64.7	[60.9, 68.3]	100.0
S Central/SW/SE (n=522)	33.5	[28.9, 38.4]	66.5	[61.6, 71.1]	100.0
Detroit Metro (n=767)	28.3	[24.8, 32.1]	71.7	[67.9, 75.2]	100.0
Pearson: Uncorrected chi2(3) =	11.8117				
Design-based F(2.72, 7017.86) =	3.3451	Pr =	0.022		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,732)	41.6	[38.7, 44.5]	58.4	[55.5, 61.3]	100.0
No (n=863)	16.1	[13.4, 19.2]	83.9	[80.8, 86.6]	100.0
Pearson: Uncorrected chi2(1) =	183.6650				
Design-based F(1.00, 2583.00) =	116.7590	Pr =	0.000		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,678)	41.2	[38.3, 44.1]	58.8	[55.9, 61.7]	100.0
No (n=917)	15.7	[13.1, 18.7]	84.3	[81.3, 86.9]	100.0
Pearson: Uncorrected chi2(1) =	180.0315				
Design-based F(1.00, 2583.00) =	120.7061	Pr =	0.000		
Total (n=2,595)	31.8	[29.7, 34.0]	68.2	[66.0, 70.3]	100.0

Note: Total n is less than universe N due to item non-response.

- 2 Aim 2: To describe perceptions and understanding of Medicaid coverage, HMP policies, and cost-sharing and how these change over time with enrollment.**

2.1 Q: Do you think eyeglasses are covered, not covered, or don't know?

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

	Knowledge that eyeglasses are covered						Total Row %
	Yes		No		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=1,493)	68.9	[65.8, 71.8]	7.9	[6.4, 9.8]	23.2	[20.5, 26.1]	100.0
Churned off/on (n=125)	57.6	[46.7, 67.8]	12.8	[6.8, 22.6]	29.6	[20.8, 40.3]	100.0
Pearson: Uncorrected chi2(2) =	9.2659						
Design-based F(1.99, 3198.28) =	2.3100	Pr =	0.100				
Age (DW)							
19-34 (n=433)	63.5	[58.1, 68.7]	9.8	[6.9, 13.6]	26.7	[22.1, 31.9]	100.0
35-50 (n=516)	70.3	[65.2, 75.0]	7.5	[5.2, 10.7]	22.2	[18.0, 27.0]	100.0
51-64 (n=672)	70.5	[65.9, 74.7]	7.5	[5.4, 10.4]	22.0	[18.1, 26.4]	100.0
Pearson: Uncorrected chi2(4) =	8.4697						
Design-based F(3.83, 6170.31) =	1.3971	Pr =	0.234				
Gender (DW)							
Male (n=620)	63.0	[58.2, 67.5]	8.0	[5.8, 10.9]	29.0	[24.8, 33.7]	100.0
Female (n=1,001)	72.3	[68.6, 75.7]	8.7	[6.7, 11.4]	19.0	[16.1, 22.2]	100.0
Pearson: Uncorrected chi2(2) =	22.7175						
Design-based F(2.00, 3216.72) =	7.0070	Pr =	0.001				
Race/ethnicity, detailed (2016)							
White (n=1,061)	69.4	[65.7, 72.9]	8.6	[6.6, 11.0]	22.0	[18.9, 25.5]	100.0
Black (n=333)	66.4	[59.9, 72.2]	7.9	[5.0, 12.2]	25.8	[20.4, 31.9]	100.0
Hispanic (n=60)	66.3	[49.8, 79.6]	1.0	[0.1, 6.7]	32.7	[19.5, 49.4]	100.0
Arab/Chaldean (n=71)	56.2	[42.7, 68.9]	10.0	[4.8, 19.5]	33.8	[22.2, 47.6]	100.0
Other/more than one (n=77)	69.5	[55.3, 80.7]	13.6	[6.1, 27.6]	16.9	[9.2, 29.1]	100.0
Pearson: Uncorrected chi2(8) =	20.9790						
Design-based F(7.46, 11865.06) =	1.5398	Pr =	0.143				
FPL category (DW)							
0-35% (n=800)	67.3	[63.0, 71.3]	8.4	[6.2, 11.3]	24.3	[20.7, 28.4]	100.0
36-99% (n=475)	64.4	[58.7, 69.8]	9.7	[6.9, 13.6]	25.9	[21.0, 31.4]	100.0
100%+ (n=346)	73.9	[67.7, 79.3]	6.4	[3.9, 10.2]	19.7	[14.9, 25.6]	100.0
Pearson: Uncorrected chi2(4) =	7.8298						
Design-based F(3.96, 6371.08) =	1.3034	Pr =	0.266				
Region (DW)							
UP/NW/NE (n=296)	75.7	[69.5, 81.0]	8.1	[5.0, 12.7]	16.2	[11.8, 21.8]	100.0
W/E Central/E (n=539)	71.1	[66.2, 75.6]	7.4	[5.1, 10.5]	21.5	[17.5, 26.2]	100.0
S Central/SW/SE (n=319)	68.1	[61.6, 73.9]	8.3	[5.4, 12.3]	23.7	[18.4, 29.9]	100.0
Detroit Metro (n=467)	63.8	[58.5, 68.8]	9.2	[6.5, 12.8]	27.0	[22.5, 32.0]	100.0
Pearson: Uncorrected chi2(6) =	12.2921						
Design-based F(5.40, 8694.96) =	1.6364	Pr =	0.141				
Chronic condition (2016, 2017, 2018)							
Yes (n=1,093)	69.6	[66.0, 73.1]	6.7	[5.0, 8.9]	23.6	[20.5, 27.1]	100.0
No (n=528)	64.6	[59.4, 69.5]	11.1	[8.3, 14.9]	24.3	[20.0, 29.2]	100.0
Pearson: Uncorrected chi2(2) =	10.3125						
Design-based F(2.00, 3214.29) =	3.0585	Pr =	0.047				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=1,053)	69.7	[66.0, 73.1]	7.8	[6.0, 10.1]	22.5	[19.4, 25.9]	100.0
No (n=568)	64.2	[58.9, 69.1]	9.5	[6.8, 13.0]	26.4	[21.9, 31.4]	100.0
Pearson: Uncorrected chi2(2) =	5.1920						
Design-based F(2.00, 3215.06) =	1.5556	Pr =	0.211				
Total (n=1,621)	67.7	[64.8, 70.6]	8.4	[6.8, 10.3]	23.9	[21.3, 26.7]	100.0

Note: Total n is less than universe N due to item non-response.

2.2 Q: Do you think prescription medications are covered, not covered, or don't know?

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

	Knowledge that prescription medications are covered						Total Row %
	Yes		No		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=1,494)	95.8	[94.2, 96.9]	1.0	[0.6, 2.0]	3.2	[2.2, 4.6]	100.0
Churned off/on (n=125)	89.5	[80.2, 94.7]	1.2	[0.2, 7.9]	9.3	[4.4, 18.5]	100.0
Pearson: Uncorrected chi2(2) =	15.0539						
Design-based F(1.99, 3203.56) =	3.8175	Pr =	0.022				
Age (DW)							
19-34 (n=433)	96.5	[93.6, 98.1]	0.9	[0.3, 3.0]	2.6	[1.3, 5.2]	100.0
35-50 (n=516)	93.3	[89.8, 95.6]	1.6	[0.7, 3.6]	5.1	[3.1, 8.3]	100.0
51-64 (n=673)	95.8	[93.3, 97.4]	0.6	[0.2, 1.4]	3.7	[2.2, 6.2]	100.0
Pearson: Uncorrected chi2(4) =	7.9456						
Design-based F(3.54, 5698.19) =	1.2968	Pr =	0.271				
Gender (DW)							
Male (n=620)	95.5	[92.9, 97.2]	0.6	[0.2, 1.7]	3.9	[2.3, 6.5]	100.0
Female (n=1,002)	94.9	[92.7, 96.4]	1.5	[0.7, 3.1]	3.6	[2.4, 5.5]	100.0
Pearson: Uncorrected chi2(2) =	3.5585						
Design-based F(1.98, 3194.53) =	1.0662	Pr =	0.344				
Race/ethnicity, detailed (2016)							
White (n=1,062)	96.5	[94.5, 97.7]	0.8	[0.3, 2.1]	2.8	[1.7, 4.6]	100.0
Black (n=333)	92.4	[88.1, 95.2]	0.8	[0.2, 3.2]	6.8	[4.1, 11.0]	100.0
Hispanic (n=60)	92.4	[76.7, 97.8]	0.0		7.6	[2.2, 23.3]	100.0
Arab/Chaldean (n=71)	96.2	[89.9, 98.7]	3.0	[0.9, 9.5]	0.7	[0.1, 5.0]	100.0
Other/more than one (n=77)	95.1	[86.3, 98.4]	3.5	[0.8, 13.2]	1.4	[0.3, 6.3]	100.0
Pearson: Uncorrected chi2(8) =	30.4984						
Design-based F(7.37, 11727.46) =	2.5508	Pr =	0.011				
FPL category (DW)							
0-35% (n=800)	93.8	[91.2, 95.7]	1.2	[0.6, 2.6]	5.0	[3.3, 7.5]	100.0
36-99% (n=475)	96.3	[93.4, 97.9]	1.1	[0.4, 3.4]	2.6	[1.3, 5.2]	100.0
100%+ (n=347)	97.6	[94.8, 99.0]	0.5	[0.1, 3.6]	1.8	[0.8, 4.4]	100.0
Pearson: Uncorrected chi2(4) =	9.6141						
Design-based F(3.95, 6354.39) =	1.6038	Pr =	0.171				
Region (DW)							
UP/NW/NE (n=296)	97.3	[93.2, 98.9]	1.7	[0.4, 6.5]	1.1	[0.4, 2.9]	100.0
W/E Central/E (n=539)	95.9	[92.7, 97.7]	0.6	[0.2, 2.4]	3.5	[1.8, 6.6]	100.0
S Central/SW/SE (n=320)	94.9	[90.3, 97.4]	0.9	[0.2, 4.9]	4.2	[2.0, 8.5]	100.0
Detroit Metro (n=467)	94.4	[91.6, 96.3]	1.3	[0.5, 3.0]	4.3	[2.7, 6.9]	100.0
Pearson: Uncorrected chi2(6) =	5.1535						
Design-based F(5.31, 8547.92) =	0.5897	Pr =	0.718				
Chronic condition (2016, 2017, 2018)							
Yes (n=1,093)	94.9	[92.7, 96.5]	1.2	[0.6, 2.4]	3.9	[2.5, 6.0]	100.0
No (n=529)	95.6	[93.0, 97.3]	0.8	[0.3, 2.8]	3.6	[2.1, 5.9]	100.0
Pearson: Uncorrected chi2(2) =	0.5415						
Design-based F(2.00, 3216.80) =	0.1554	Pr =	0.856				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=1,053)	95.8	[93.8, 97.2]	1.0	[0.4, 2.0]	3.2	[2.0, 5.1]	100.0
No (n=569)	94.0	[91.0, 96.0]	1.2	[0.5, 3.3]	4.8	[3.0, 7.5]	100.0
Pearson: Uncorrected chi2(2) =	2.8942						
Design-based F(2.00, 3218.81) =	0.8345	Pr =	0.434				
Total (n=1,622)	95.2	[93.6, 96.4]	1.1	[0.6, 1.9]	3.8	[2.7, 5.2]	100.0

2.3 Q: Do you think routine dental care is covered, not covered, or don't know?

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

	Knowledge that routine dental is covered						Total Row %
	Yes		No		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=1,494)	82.9	[80.3, 85.1]	5.8	[4.4, 7.5]	11.4	[9.5, 13.5]	100.0
Churned off/on (n=125)	80.2	[69.8, 87.7]	4.4	[1.6, 11.6]	15.4	[8.9, 25.4]	100.0
Pearson: Uncorrected chi2(2) =	2.6068						
Design-based F(2.00, 3209.70) =	0.6573	Pr =	0.518				
Age (DW)							
19-34 (n=433)	84.3	[79.8, 88.0]	4.6	[2.8, 7.5]	11.0	[7.9, 15.2]	100.0
35-50 (n=516)	81.5	[77.1, 85.2]	7.2	[4.9, 10.7]	11.3	[8.4, 14.9]	100.0
51-64 (n=673)	81.5	[77.6, 84.8]	4.9	[3.2, 7.3]	13.6	[10.7, 17.2]	100.0
Pearson: Uncorrected chi2(4) =	6.2010						
Design-based F(3.80, 6114.82) =	1.0217	Pr =	0.392				
Gender (DW)							
Male (n=620)	81.7	[77.7, 85.2]	5.2	[3.4, 7.8]	13.1	[10.1, 16.8]	100.0
Female (n=1,002)	83.4	[80.4, 86.1]	6.0	[4.4, 8.3]	10.6	[8.5, 13.0]	100.0
Pearson: Uncorrected chi2(2) =	2.8458						
Design-based F(2.00, 3213.33) =	0.8880	Pr =	0.411				
Race/ethnicity, detailed (2016)							
White (n=1,062)	82.5	[79.3, 85.2]	5.9	[4.3, 8.1]	11.6	[9.3, 14.3]	100.0
Black (n=333)	84.4	[79.2, 88.5]	4.4	[2.4, 8.2]	11.2	[7.8, 15.7]	100.0
Hispanic (n=60)	86.5	[68.9, 94.9]	0.0		13.5	[5.1, 31.1]	100.0
Arab/Chaldean (n=71)	74.3	[60.6, 84.5]	13.2	[6.5, 25.0]	12.5	[5.6, 25.6]	100.0
Other/more than one (n=77)	82.7	[71.4, 90.1]	4.5	[1.8, 10.7]	12.8	[6.4, 23.9]	100.0
Pearson: Uncorrected chi2(8) =	17.5139						
Design-based F(7.57, 12048.81) =	1.2458	Pr =	0.270				
FPL category (DW)							
0-35% (n=800)	81.9	[78.3, 85.0]	6.4	[4.5, 9.0]	11.7	[9.2, 14.7]	100.0
36-99% (n=475)	82.2	[77.4, 86.2]	4.7	[2.9, 7.6]	13.0	[9.5, 17.6]	100.0
100%+ (n=347)	85.2	[80.0, 89.2]	4.6	[2.5, 8.2]	10.2	[6.9, 14.9]	100.0
Pearson: Uncorrected chi2(4) =	3.7082						
Design-based F(3.97, 6395.33) =	0.6383	Pr =	0.634				
Region (DW)							
UP/NW/NE (n=296)	87.1	[82.2, 90.8]	4.4	[2.5, 7.4]	8.6	[5.5, 13.0]	100.0
W/E Central/E (n=539)	80.4	[76.0, 84.1]	6.1	[3.9, 9.3]	13.5	[10.4, 17.4]	100.0
S Central/SW/SE (n=320)	83.5	[77.9, 88.0]	5.1	[3.1, 8.3]	11.4	[7.6, 16.7]	100.0
Detroit Metro (n=467)	82.8	[78.5, 86.5]	5.8	[3.7, 8.9]	11.4	[8.5, 15.2]	100.0
Pearson: Uncorrected chi2(6) =	3.9683						
Design-based F(5.19, 8351.13) =	0.5413	Pr =	0.752				
Chronic condition (2016, 2017, 2018)							
Yes (n=1,093)	81.7	[78.5, 84.4]	4.9	[3.4, 6.9]	13.5	[11.1, 16.2]	100.0
No (n=529)	84.2	[80.0, 87.6]	6.8	[4.7, 9.9]	9.0	[6.4, 12.6]	100.0
Pearson: Uncorrected chi2(2) =	9.1608						
Design-based F(2.00, 3217.88) =	2.7265	Pr =	0.066				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=1,053)	83.7	[80.7, 86.3]	5.4	[3.9, 7.4]	10.9	[8.8, 13.5]	100.0
No (n=569)	80.7	[76.1, 84.6]	6.0	[3.9, 9.2]	13.3	[10.1, 17.4]	100.0
Pearson: Uncorrected chi2(2) =	2.4061						
Design-based F(2.00, 3218.83) =	0.7259	Pr =	0.484				
Total (n=1,622)	82.6	[80.1, 84.8]	5.6	[4.3, 7.2]	11.8	[9.9, 13.9]	100.0

2.4 Q: Do you think treatment to stop smoking is covered, not covered, or don't know?

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

	Knowledge that treatment to stop smoking is covered						Total Row %
	Yes		No		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=1,494)	43.0	[39.9, 46.2]	4.6	[3.4, 6.3]	52.4	[49.2, 55.5]	100.0
Churned off/on (n=125)	33.6	[24.6, 44.0]	14.9	[8.4, 24.9]	51.5	[40.9, 61.9]	100.0
Pearson: Uncorrected chi2(2) =	30.0233						
Design-based F(1.99, 3192.36) =	7.7836	Pr =	0.000				
Age (DW)							
19-34 (n=433)	36.3	[31.4, 41.6]	8.2	[5.6, 11.9]	55.5	[50.0, 60.8]	100.0
35-50 (n=516)	42.1	[37.0, 47.3]	4.9	[2.9, 8.1]	53.0	[47.7, 58.2]	100.0
51-64 (n=673)	50.6	[45.9, 55.3]	2.7	[1.6, 4.7]	46.6	[42.0, 51.3]	100.0
Pearson: Uncorrected chi2(4) =	30.2821						
Design-based F(3.73, 5997.48) =	5.0568	Pr =	0.001				
Gender (DW)							
Male (n=620)	42.7	[38.1, 47.4]	6.9	[4.7, 10.1]	50.4	[45.6, 55.1]	100.0
Female (n=1,002)	41.5	[37.8, 45.3]	4.4	[3.0, 6.4]	54.1	[50.3, 58.0]	100.0
Pearson: Uncorrected chi2(2) =	5.9770						
Design-based F(1.99, 3207.20) =	1.7944	Pr =	0.167				
Race/ethnicity, detailed (2016)							
White (n=1,062)	48.3	[44.5, 52.1]	4.3	[2.9, 6.5]	47.4	[43.6, 51.2]	100.0
Black (n=333)	34.6	[28.7, 40.9]	9.7	[6.4, 14.4]	55.7	[49.2, 62.0]	100.0
Hispanic (n=60)	46.4	[32.0, 61.4]	0.0		53.6	[38.6, 68.0]	100.0
Arab/Chaldean (n=71)	13.3	[7.1, 23.5]	6.9	[2.4, 18.2]	79.8	[67.7, 88.1]	100.0
Other/more than one (n=77)	44.6	[31.7, 58.3]	2.7	[0.4, 16.6]	52.7	[39.1, 65.9]	100.0
Pearson: Uncorrected chi2(8) =	77.1946						
Design-based F(7.74, 12319.17) =	5.1707	Pr =	0.000				
FPL category (DW)							
0-35% (n=800)	42.2	[38.1, 46.5]	5.4	[3.7, 7.9]	52.4	[48.1, 56.7]	100.0
36-99% (n=475)	41.3	[35.9, 46.9]	6.1	[3.6, 10.1]	52.7	[47.0, 58.3]	100.0
100%+ (n=347)	42.9	[36.6, 49.4]	5.6	[3.0, 10.4]	51.5	[44.9, 58.0]	100.0
Pearson: Uncorrected chi2(4) =	0.3852						
Design-based F(3.92, 6310.44) =	0.0576	Pr =	0.993				
Region (DW)							
UP/NW/NE (n=296)	49.2	[42.6, 55.8]	1.7	[0.7, 4.2]	49.1	[42.4, 55.7]	100.0
W/E Central/E (n=539)	45.4	[40.5, 50.4]	3.6	[2.1, 6.0]	51.0	[46.0, 56.0]	100.0
S Central/SW/SE (n=320)	46.1	[39.6, 52.7]	5.7	[3.3, 9.9]	48.2	[41.6, 54.8]	100.0
Detroit Metro (n=467)	36.9	[32.0, 42.1]	7.6	[5.1, 11.2]	55.5	[50.2, 60.6]	100.0
Pearson: Uncorrected chi2(6) =	23.6251						
Design-based F(5.25, 8451.64) =	3.2311	Pr =	0.006				
Chronic condition (2016, 2017, 2018)							
Yes (n=1,093)	44.3	[40.6, 48.0]	5.3	[3.7, 7.4]	50.5	[46.7, 54.2]	100.0
No (n=529)	38.4	[33.6, 43.5]	6.2	[3.9, 9.7]	55.4	[50.2, 60.5]	100.0
Pearson: Uncorrected chi2(2) =	5.4810						
Design-based F(1.97, 3176.56) =	1.5337	Pr =	0.216				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=1,053)	48.8	[45.1, 52.6]	5.4	[3.8, 7.5]	45.8	[42.0, 49.6]	100.0
No (n=569)	29.8	[25.5, 34.5]	6.0	[3.8, 9.6]	64.1	[59.2, 68.9]	100.0
Pearson: Uncorrected chi2(2) =	56.1098						
Design-based F(1.96, 3147.57) =	16.2197	Pr =	0.000				
Total (n=1,622)	42.1	[39.1, 45.1]	5.6	[4.3, 7.4]	52.3	[49.2, 55.3]	100.0

2.5 Q: Do you think birth control or family planning is covered, not covered, or don't know?

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

	Knowledge that birth control/family planning is covered						Total Row %
	Yes		No		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=1,491)	50.4	[47.2, 53.6]	3.4	[2.4, 4.9]	46.2	[43.0, 49.4]	100.0
Churned off/on (n=125)	42.9	[33.0, 53.3]	9.2	[4.2, 18.9]	47.9	[37.5, 58.6]	100.0
Pearson: Uncorrected chi2(2) =	13.8870						
Design-based F(1.97, 3156.08) =	3.4121	Pr =	0.034				
Age (DW)							
19-34 (n=433)	56.6	[51.1, 61.9]	5.1	[3.1, 8.2]	38.4	[33.1, 43.9]	100.0
35-50 (n=516)	49.1	[43.9, 54.4]	4.3	[2.4, 7.5]	46.6	[41.4, 51.9]	100.0
51-64 (n=670)	40.3	[35.8, 45.0]	1.9	[1.0, 3.4]	57.8	[53.1, 62.4]	100.0
Pearson: Uncorrected chi2(4) =	40.7432						
Design-based F(3.63, 5833.81) =	6.7743	Pr =	0.000				
Gender (DW)							
Male (n=619)	34.4	[30.0, 39.1]	6.0	[3.9, 8.9]	59.6	[54.8, 64.2]	100.0
Female (n=1,000)	64.4	[60.6, 68.0]	2.1	[1.3, 3.4]	33.6	[30.0, 37.3]	100.0
Pearson: Uncorrected chi2(2) =	147.7455						
Design-based F(2.00, 3206.18) =	48.7047	Pr =	0.000				
Race/ethnicity, detailed (2016)							
White (n=1,059)	51.2	[47.4, 55.0]	2.9	[1.8, 4.5]	45.9	[42.1, 49.7]	100.0
Black (n=333)	51.3	[44.8, 57.6]	7.5	[4.5, 12.2]	41.2	[35.0, 47.8]	100.0
Hispanic (n=60)	49.2	[34.6, 64.0]	0.0		50.8	[36.0, 65.4]	100.0
Arab/Chaldean (n=71)	29.3	[18.8, 42.5]	2.5	[0.6, 9.4]	68.3	[55.0, 79.1]	100.0
Other/more than one (n=77)	56.4	[42.8, 69.1]	3.6	[0.6, 17.3]	40.0	[27.9, 53.6]	100.0
Pearson: Uncorrected chi2(8) =	44.4399						
Design-based F(7.64, 12138.82) =	3.0693	Pr =	0.002				
FPL category (DW)							
0-35% (n=797)	45.5	[41.3, 49.8]	4.8	[3.1, 7.2]	49.7	[45.4, 54.0]	100.0
36-99% (n=475)	53.2	[47.5, 58.8]	4.0	[2.1, 7.6]	42.8	[37.3, 48.6]	100.0
100%+ (n=347)	57.0	[50.3, 63.4]	1.6	[0.7, 3.8]	41.4	[35.1, 48.0]	100.0
Pearson: Uncorrected chi2(4) =	17.8563						
Design-based F(3.80, 6105.00) =	2.9850	Pr =	0.020				
Region (DW)							
UP/NW/NE (n=295)	50.4	[43.8, 57.0]	3.6	[1.8, 7.0]	46.0	[39.5, 52.7]	100.0
W/E Central/E (n=538)	49.9	[44.9, 55.0]	2.6	[1.2, 5.3]	47.5	[42.5, 52.5]	100.0
S Central/SW/SE (n=319)	55.3	[48.7, 61.7]	5.9	[3.1, 10.8]	38.8	[32.6, 45.4]	100.0
Detroit Metro (n=467)	47.2	[42.0, 52.4]	4.2	[2.5, 7.0]	48.6	[43.4, 53.9]	100.0
Pearson: Uncorrected chi2(6) =	12.5804						
Design-based F(5.25, 8437.73) =	1.5317	Pr =	0.173				
Chronic condition (2016, 2017, 2018)							
Yes (n=1,091)	49.1	[45.3, 52.8]	4.3	[2.8, 6.5]	46.6	[42.9, 50.4]	100.0
No (n=528)	50.8	[45.6, 56.0]	3.4	[2.0, 5.9]	45.7	[40.6, 51.0]	100.0
Pearson: Uncorrected chi2(2) =	1.0005						
Design-based F(2.00, 3206.24) =	0.2909	Pr =	0.747				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=1,051)	51.2	[47.4, 55.0]	3.7	[2.4, 5.6]	45.1	[41.4, 48.9]	100.0
No (n=568)	47.1	[41.9, 52.2]	4.5	[2.6, 7.7]	48.4	[43.3, 53.6]	100.0
Pearson: Uncorrected chi2(2) =	2.8405						
Design-based F(1.98, 3175.02) =	0.7994	Pr =	0.448				
Total (n=1,619)	49.7	[46.7, 52.8]	4.0	[2.8, 5.5]	46.3	[43.3, 49.4]	100.0

Note: Total n is less than universe N due to item non-response.

2.6 Q: Do you think counseling for mental or emotional problems is covered, not covered, or don't know?

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

	Knowledge that mental health counseling is covered						Total Row %
	Yes		No		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=1,493)	61.3	[58.1, 64.4]	2.4	[1.6, 3.8]	36.3	[33.2, 39.4]	100.0
Churned off/on (n=125)	52.5	[41.8, 63.0]	8.0	[3.4, 17.5]	39.5	[29.5, 50.5]	100.0
Pearson: Uncorrected chi2(2) =	17.0721						
Design-based F(1.98, 3177.89) =	4.1007	Pr =	0.017				
Age (DW)							
19-34 (n=433)	60.5	[55.0, 65.8]	4.4	[2.6, 7.5]	35.0	[29.9, 40.5]	100.0
35-50 (n=516)	59.6	[54.3, 64.7]	1.9	[0.8, 4.5]	38.5	[33.5, 43.8]	100.0
51-64 (n=672)	61.7	[57.1, 66.2]	2.3	[1.2, 4.4]	36.0	[31.6, 40.6]	100.0
Pearson: Uncorrected chi2(4) =	8.6377						
Design-based F(3.77, 6063.44) =	1.3135	Pr =	0.264				
Gender (DW)							
Male (n=619)	58.3	[53.5, 63.0]	4.4	[2.7, 7.0]	37.3	[32.8, 42.1]	100.0
Female (n=1,002)	62.7	[58.8, 66.4]	1.6	[0.9, 3.1]	35.7	[32.0, 39.5]	100.0
Pearson: Uncorrected chi2(2) =	11.6876						
Design-based F(2.00, 3216.96) =	3.5119	Pr =	0.030				
Race/ethnicity, detailed (2016)							
White (n=1,061)	66.9	[63.1, 70.4]	1.4	[0.7, 2.6]	31.8	[28.3, 35.5]	100.0
Black (n=333)	53.5	[47.0, 59.8]	5.8	[3.3, 9.9]	40.8	[34.6, 47.3]	100.0
Hispanic (n=60)	68.0	[52.1, 80.5]	0.0		32.0	[19.5, 47.9]	100.0
Arab/Chaldean (n=71)	30.3	[19.4, 44.1]	4.5	[1.1, 16.3]	65.2	[51.3, 76.9]	100.0
Other/more than one (n=77)	60.7	[46.7, 73.2]	6.4	[1.8, 20.0]	32.9	[21.5, 46.8]	100.0
Pearson: Uncorrected chi2(8) =	84.4217						
Design-based F(7.71, 12254.19) =	5.4635	Pr =	0.000				
FPL category (DW)							
0-35% (n=799)	61.6	[57.3, 65.8]	2.8	[1.6, 4.8]	35.6	[31.5, 39.9]	100.0
36-99% (n=475)	58.2	[52.5, 63.8]	3.5	[1.7, 7.2]	38.3	[32.8, 44.0]	100.0
100%+ (n=347)	60.6	[53.9, 66.9]	2.8	[1.2, 6.5]	36.7	[30.5, 43.3]	100.0
Pearson: Uncorrected chi2(4) =	1.6843						
Design-based F(3.92, 6307.60) =	0.2449	Pr =	0.910				
Region (DW)							
UP/NW/NE (n=296)	62.4	[55.6, 68.7]	2.7	[1.0, 7.3]	34.9	[28.8, 41.6]	100.0
W/E Central/E (n=539)	68.8	[63.8, 73.3]	1.4	[0.6, 3.5]	29.8	[25.3, 34.7]	100.0
S Central/SW/SE (n=319)	66.9	[60.3, 72.9]	1.8	[0.8, 4.2]	31.3	[25.4, 37.9]	100.0
Detroit Metro (n=467)	52.1	[46.8, 57.3]	4.5	[2.7, 7.6]	43.4	[38.2, 48.6]	100.0
Pearson: Uncorrected chi2(6) =	44.1343						
Design-based F(5.57, 8956.18) =	5.7442	Pr =	0.000				
Chronic condition (2016, 2017, 2018)							
Yes (n=1,092)	64.2	[60.5, 67.8]	2.8	[1.7, 4.7]	33.0	[29.5, 36.6]	100.0
No (n=529)	54.4	[49.2, 59.6]	3.2	[1.7, 5.9]	42.4	[37.3, 47.6]	100.0
Pearson: Uncorrected chi2(2) =	15.3217						
Design-based F(1.98, 3189.44) =	4.1950	Pr =	0.015				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=1,052)	69.7	[66.0, 73.2]	2.8	[1.7, 4.5]	27.5	[24.2, 31.2]	100.0
No (n=569)	43.9	[38.8, 49.0]	3.3	[1.7, 6.3]	52.8	[47.6, 57.9]	100.0
Pearson: Uncorrected chi2(2) =	106.3920						
Design-based F(1.97, 3171.68) =	29.1065	Pr =	0.000				
Total (n=1,621)	60.5	[57.5, 63.5]	3.0	[2.0, 4.4]	36.5	[33.6, 39.5]	100.0

Note: Total n is less than universe N due to item non-response.

2.7 Q: Do you think substance use treatment is covered, not covered, or don't know?

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

	Knowledge that substance use treatment is covered						Total Row %
	Yes		No		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=1,494)	43.9	[40.8, 47.1]	3.6	[2.6, 5.1]	52.5	[49.3, 55.6]	100.0
Churned off/on (n=125)	36.1	[26.9, 46.4]	10.9	[5.6, 20.3]	53.0	[42.4, 63.3]	100.0
Pearson: Uncorrected chi2(2) =	19.6680						
Design-based F(1.98, 3189.84) =	5.1543	Pr =	0.006				
Age (DW)							
19-34 (n=433)	37.2	[32.2, 42.6]	6.2	[3.9, 9.7]	56.6	[51.1, 61.8]	100.0
35-50 (n=516)	42.9	[37.8, 48.1]	4.0	[2.5, 6.5]	53.1	[47.8, 58.2]	100.0
51-64 (n=673)	52.6	[47.9, 57.2]	2.0	[1.1, 3.7]	45.4	[40.8, 50.1]	100.0
Pearson: Uncorrected chi2(4) =	30.1623						
Design-based F(3.76, 6059.53) =	5.3048	Pr =	0.000				
Gender (DW)							
Male (n=620)	43.3	[38.7, 48.0]	6.0	[4.0, 8.9]	50.7	[45.9, 55.4]	100.0
Female (n=1,002)	43.2	[39.4, 47.0]	2.7	[1.7, 4.3]	54.1	[50.3, 57.9]	100.0
Pearson: Uncorrected chi2(2) =	10.9833						
Design-based F(2.00, 3219.03) =	3.5237	Pr =	0.030				
Race/ethnicity, detailed (2016)							
White (n=1,062)	45.6	[41.9, 49.4]	4.3	[2.9, 6.3]	50.1	[46.3, 53.9]	100.0
Black (n=333)	40.7	[34.6, 47.0]	5.7	[3.3, 9.8]	53.6	[47.2, 59.9]	100.0
Hispanic (n=60)	53.6	[38.6, 67.9]	1.8	[0.3, 11.9]	44.6	[30.5, 59.7]	100.0
Arab/Chaldean (n=71)	25.3	[15.3, 38.8]	2.8	[0.4, 17.1]	71.9	[58.1, 82.6]	100.0
Other/more than one (n=77)	44.0	[31.1, 57.7]	3.2	[0.6, 15.2]	52.8	[39.2, 66.1]	100.0
Pearson: Uncorrected chi2(8) =	24.7975						
Design-based F(7.53, 11978.10) =	1.6155	Pr =	0.120				
FPL category (DW)							
0-35% (n=800)	46.4	[42.1, 50.7]	4.7	[3.2, 6.9]	48.9	[44.6, 53.2]	100.0
36-99% (n=475)	39.8	[34.4, 45.3]	5.0	[2.7, 9.1]	55.2	[49.5, 60.7]	100.0
100%+ (n=347)	38.9	[32.8, 45.3]	2.4	[1.1, 5.1]	58.8	[52.3, 64.9]	100.0
Pearson: Uncorrected chi2(4) =	13.0726						
Design-based F(3.85, 6201.35) =	2.1321	Pr =	0.077				
Region (DW)							
UP/NW/NE (n=296)	41.6	[35.3, 48.2]	3.7	[2.0, 6.9]	54.7	[48.1, 61.1]	100.0
W/E Central/E (n=539)	45.5	[40.6, 50.5]	4.1	[2.3, 7.0]	50.4	[45.4, 55.4]	100.0
S Central/SW/SE (n=320)	48.0	[41.5, 54.6]	6.0	[3.4, 10.4]	46.0	[39.5, 52.7]	100.0
Detroit Metro (n=467)	40.0	[35.0, 45.2]	4.0	[2.3, 6.8]	56.0	[50.8, 61.2]	100.0
Pearson: Uncorrected chi2(6) =	10.7286						
Design-based F(5.21, 8386.33) =	1.3592	Pr =	0.234				
Chronic condition (2016, 2017, 2018)							
Yes (n=1,093)	45.9	[42.1, 49.6]	4.5	[3.1, 6.6]	49.6	[45.9, 53.4]	100.0
No (n=529)	38.8	[34.0, 44.0]	4.0	[2.4, 6.7]	57.1	[52.0, 62.2]	100.0
Pearson: Uncorrected chi2(2) =	8.6768						
Design-based F(1.99, 3209.91) =	2.5550	Pr =	0.078				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=1,053)	48.6	[44.8, 52.3]	4.5	[3.1, 6.5]	46.9	[43.1, 50.7]	100.0
No (n=569)	33.5	[29.0, 38.4]	4.0	[2.3, 6.9]	62.5	[57.5, 67.3]	100.0
Pearson: Uncorrected chi2(2) =	37.0975						
Design-based F(1.98, 3182.41) =	10.9425	Pr =	0.000				
Total (n=1,622)	43.2	[40.2, 46.2]	4.3	[3.2, 5.9]	52.4	[49.4, 55.5]	100.0

2.8 Q: I could be dropped from the Healthy Michigan Plan for not paying my bill.

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

	Could be dropped from HMP for not paying my bill						Total Row %
	Yes		No		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=1,493)	33.9	[31.0, 37.0]	16.7	[14.4, 19.1]	49.4	[46.2, 52.6]	100.0
Churned off/on (n=125)	23.0	[15.7, 32.3]	19.2	[12.2, 28.7]	57.9	[47.3, 67.7]	100.0
Pearson: Uncorrected chi2(2) =	7.8609						
Design-based F(1.99, 3194.75) =	2.2849	Pr =	0.102				
Age (DW)							
19-34 (n=433)	34.5	[29.6, 39.8]	16.1	[12.5, 20.5]	49.4	[44.0, 54.9]	100.0
35-50 (n=516)	29.0	[24.6, 33.9]	16.7	[13.2, 21.0]	54.2	[49.0, 59.4]	100.0
51-64 (n=672)	35.7	[31.3, 40.3]	18.2	[15.0, 22.0]	46.1	[41.4, 50.8]	100.0
Pearson: Uncorrected chi2(4) =	8.1733						
Design-based F(3.83, 6163.76) =	1.4003	Pr =	0.233				
Gender (DW)							
Male (n=620)	29.1	[25.1, 33.5]	19.2	[15.8, 23.2]	51.7	[46.9, 56.4]	100.0
Female (n=1,001)	36.5	[32.8, 40.3]	14.6	[12.2, 17.5]	48.9	[45.0, 52.8]	100.0
Pearson: Uncorrected chi2(2) =	12.4125						
Design-based F(2.00, 3213.59) =	4.0523	Pr =	0.018				
Race/ethnicity, detailed (2016)							
White (n=1,062)	36.7	[33.2, 40.4]	16.9	[14.3, 19.8]	46.4	[42.6, 50.2]	100.0
Black (n=332)	29.7	[24.2, 35.8]	14.1	[10.2, 19.2]	56.2	[49.8, 62.5]	100.0
Hispanic (n=60)	22.8	[12.9, 37.1]	21.9	[11.8, 37.1]	55.2	[40.2, 69.3]	100.0
Arab/Chaldean (n=71)	22.2	[13.3, 34.6]	17.1	[9.3, 29.4]	60.7	[47.4, 72.6]	100.0
Other/more than one (n=77)	33.3	[21.5, 47.7]	25.3	[14.9, 39.4]	41.4	[29.0, 55.0]	100.0
Pearson: Uncorrected chi2(8) =	28.0265						
Design-based F(7.88, 12532.00) =	1.9955	Pr =	0.044				
FPL category (DW)							
0-35% (n=799)	32.0	[28.2, 36.0]	19.1	[16.0, 22.7]	49.0	[44.7, 53.3]	100.0
36-99% (n=475)	29.0	[24.3, 34.2]	14.3	[10.8, 18.8]	56.6	[51.0, 62.1]	100.0
100%+ (n=347)	41.1	[34.8, 47.7]	14.0	[10.3, 18.8]	44.9	[38.5, 51.5]	100.0
Pearson: Uncorrected chi2(4) =	19.6907						
Design-based F(3.97, 6389.34) =	3.4715	Pr =	0.008				
Region (DW)							
UP/NW/NE (n=296)	39.6	[33.4, 46.3]	20.6	[15.6, 26.7]	39.8	[33.4, 46.5]	100.0
W/E Central/E (n=539)	33.5	[29.0, 38.4]	17.2	[13.9, 21.2]	49.2	[44.2, 54.2]	100.0
S Central/SW/SE (n=320)	34.1	[28.2, 40.6]	14.8	[10.9, 19.8]	51.1	[44.5, 57.6]	100.0
Detroit Metro (n=466)	30.6	[26.1, 35.6]	16.8	[13.1, 21.2]	52.6	[47.3, 57.8]	100.0
Pearson: Uncorrected chi2(6) =	9.0549						
Design-based F(5.42, 8728.35) =	1.2370	Pr =	0.287				
Chronic condition (2016, 2017, 2018)							
Yes (n=1,092)	33.2	[29.8, 36.7]	16.5	[13.9, 19.5]	50.3	[46.6, 54.1]	100.0
No (n=529)	32.4	[27.8, 37.4]	17.5	[13.9, 21.7]	50.1	[44.9, 55.3]	100.0
Pearson: Uncorrected chi2(2) =	0.2665						
Design-based F(2.00, 3216.41) =	0.0833	Pr =	0.920				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=1,052)	33.8	[30.3, 37.4]	17.0	[14.4, 19.9]	49.3	[45.5, 53.1]	100.0
No (n=569)	31.3	[26.8, 36.2]	16.7	[13.1, 21.0]	52.0	[46.8, 57.2]	100.0
Pearson: Uncorrected chi2(2) =	1.2771						
Design-based F(2.00, 3215.22) =	0.4063	Pr =	0.666				
Total (n=1,621)	32.9	[30.1, 35.8]	16.9	[14.7, 19.3]	50.2	[47.2, 53.3]	100.0

Note: Total n is less than universe N due to item non-response.

2.9 Q: I may get a reduction in the amount I might have to pay if I complete a Health Risk Assessment.

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

	May get reduction by completing HRA						Total Row %
	Yes		No		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=1,494)	30.3	[27.5, 33.3]	11.2	[9.4, 13.4]	58.5	[55.3, 61.6]	100.0
Churned off/on (n=125)	22.4	[15.1, 31.9]	10.9	[6.2, 18.7]	66.7	[56.4, 75.6]	100.0
Pearson: Uncorrected chi2(2) =	4.7253						
Design-based F(2.00, 3206.38) =	1.4267	Pr =	0.240				
Age (DW)							
19-34 (n=433)	31.2	[26.4, 36.3]	11.5	[8.4, 15.5]	57.3	[51.9, 62.6]	100.0
35-50 (n=516)	26.0	[21.7, 30.8]	10.2	[7.5, 13.9]	63.8	[58.6, 68.6]	100.0
51-64 (n=673)	31.8	[27.7, 36.2]	12.0	[9.3, 15.3]	56.2	[51.5, 60.7]	100.0
Pearson: Uncorrected chi2(4) =	7.4978						
Design-based F(3.83, 6161.76) =	1.2811	Pr =	0.276				
Gender (DW)							
Male (n=620)	29.0	[24.9, 33.5]	11.7	[9.0, 15.0]	59.3	[54.6, 63.9]	100.0
Female (n=1,002)	30.0	[26.7, 33.6]	10.7	[8.5, 13.4]	59.3	[55.5, 63.0]	100.0
Pearson: Uncorrected chi2(2) =	0.4950						
Design-based F(2.00, 3219.26) =	0.1582	Pr =	0.854				
Race/ethnicity, detailed (2016)							
White (n=1,062)	34.8	[31.3, 38.4]	9.2	[7.2, 11.7]	56.0	[52.2, 59.7]	100.0
Black (n=333)	22.5	[17.6, 28.2]	11.8	[8.4, 16.3]	65.7	[59.5, 71.5]	100.0
Hispanic (n=60)	21.3	[12.2, 34.3]	10.8	[4.4, 24.0]	68.0	[53.4, 79.7]	100.0
Arab/Chaldean (n=71)	20.5	[12.1, 32.5]	13.7	[7.1, 24.7]	65.8	[52.8, 76.8]	100.0
Other/more than one (n=77)	30.8	[19.0, 45.8]	23.2	[13.4, 37.1]	46.0	[33.1, 59.6]	100.0
Pearson: Uncorrected chi2(8) =	45.7732						
Design-based F(7.80, 12403.89) =	3.3772	Pr =	0.001				
FPL category (DW)							
0-35% (n=800)	28.1	[24.4, 32.0]	11.6	[9.1, 14.7]	60.3	[56.1, 64.5]	100.0
36-99% (n=475)	26.5	[21.9, 31.7]	9.3	[6.6, 12.9]	64.2	[58.7, 69.3]	100.0
100%+ (n=347)	38.1	[32.0, 44.6]	12.7	[8.8, 17.9]	49.2	[42.7, 55.8]	100.0
Pearson: Uncorrected chi2(4) =	18.7484						
Design-based F(3.98, 6411.56) =	3.2482	Pr =	0.011				
Region (DW)							
UP/NW/NE (n=296)	41.1	[34.6, 47.8]	6.8	[4.3, 10.5]	52.2	[45.5, 58.8]	100.0
W/E Central/E (n=539)	29.1	[24.9, 33.8]	11.9	[8.9, 15.7]	59.0	[54.0, 63.8]	100.0
S Central/SW/SE (n=320)	33.3	[27.4, 39.8]	10.2	[6.9, 14.9]	56.5	[49.8, 62.9]	100.0
Detroit Metro (n=467)	26.0	[21.7, 30.9]	12.0	[9.0, 15.7]	62.0	[56.8, 67.0]	100.0
Pearson: Uncorrected chi2(6) =	16.3629						
Design-based F(5.33, 8575.52) =	2.2505	Pr =	0.043				
Chronic condition (2016, 2017, 2018)							
Yes (n=1,093)	30.1	[26.8, 33.7]	10.8	[8.6, 13.4]	59.1	[55.3, 62.7]	100.0
No (n=529)	28.5	[24.2, 33.3]	11.8	[8.9, 15.6]	59.6	[54.5, 64.6]	100.0
Pearson: Uncorrected chi2(2) =	0.7127						
Design-based F(2.00, 3217.88) =	0.2243	Pr =	0.799				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=1,053)	29.8	[26.4, 33.3]	11.9	[9.6, 14.6]	58.3	[54.6, 62.0]	100.0
No (n=569)	29.1	[24.8, 33.8]	9.9	[7.3, 13.2]	61.0	[56.0, 65.8]	100.0
Pearson: Uncorrected chi2(2) =	1.8369						
Design-based F(2.00, 3218.15) =	0.6078	Pr =	0.545				
Total (n=1,622)	29.5	[26.9, 32.3]	11.2	[9.4, 13.3]	59.3	[56.3, 62.2]	100.0

2.10 Q: Some kinds of visits, tests and medicines have no copays.

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

	Some kinds of visits, tests, and medicines have no copay						Total Row %
	Yes		No		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=1,494)	71.7	[68.6, 74.5]	5.3	[4.0, 7.0]	23.1	[20.4, 26.0]	100.0
Churned off/on (n=125)	56.6	[45.9, 66.8]	5.1	[2.1, 11.6]	38.3	[28.5, 49.2]	100.0
Pearson: Uncorrected chi2(2) =	18.3313						
Design-based F(1.99, 3195.02) =	5.1525	Pr =	0.006				
Age (DW)							
19-34 (n=433)	67.4	[62.0, 72.4]	6.5	[4.2, 10.0]	26.0	[21.4, 31.3]	100.0
35-50 (n=516)	69.7	[64.5, 74.5]	4.1	[2.5, 6.6]	26.2	[21.7, 31.3]	100.0
51-64 (n=673)	75.0	[70.9, 78.7]	4.9	[3.3, 7.2]	20.1	[16.8, 24.0]	100.0
Pearson: Uncorrected chi2(4) =	10.1566						
Design-based F(3.75, 6036.63) =	1.7157	Pr =	0.148				
Gender (DW)							
Male (n=620)	66.9	[62.1, 71.3]	5.2	[3.4, 7.9]	27.9	[23.7, 32.5]	100.0
Female (n=1,002)	73.4	[69.7, 76.7]	5.3	[3.7, 7.3]	21.4	[18.3, 24.8]	100.0
Pearson: Uncorrected chi2(2) =	9.3831						
Design-based F(2.00, 3219.48) =	2.8098	Pr =	0.060				
Race/ethnicity, detailed (2016)							
White (n=1,062)	73.9	[70.2, 77.2]	3.4	[2.3, 5.1]	22.7	[19.5, 26.2]	100.0
Black (n=333)	66.1	[59.6, 72.0]	6.8	[4.1, 10.9]	27.2	[21.7, 33.4]	100.0
Hispanic (n=60)	51.1	[36.3, 65.7]	7.6	[2.7, 19.4]	41.3	[27.4, 56.8]	100.0
Arab/Chaldean (n=71)	63.2	[49.4, 75.2]	11.1	[5.0, 22.6]	25.7	[15.5, 39.5]	100.0
Other/more than one (n=77)	71.4	[57.6, 82.1]	7.6	[2.8, 19.0]	20.9	[11.9, 34.2]	100.0
Pearson: Uncorrected chi2(8) =	33.3321						
Design-based F(7.85, 12492.22) =	2.3300	Pr =	0.018				
FPL category (DW)							
0-35% (n=800)	69.1	[64.9, 73.1]	5.4	[3.7, 7.6]	25.5	[21.8, 29.6]	100.0
36-99% (n=475)	74.0	[68.6, 78.7]	6.0	[3.6, 9.7]	20.1	[15.9, 25.0]	100.0
100%+ (n=347)	68.0	[61.3, 74.0]	3.8	[1.9, 7.4]	28.2	[22.4, 34.8]	100.0
Pearson: Uncorrected chi2(4) =	8.4435						
Design-based F(3.98, 6408.43) =	1.3366	Pr =	0.254				
Region (DW)							
UP/NW/NE (n=296)	77.4	[70.7, 83.0]	2.5	[0.9, 6.7]	20.1	[14.8, 26.7]	100.0
W/E Central/E (n=539)	70.2	[65.3, 74.7]	4.3	[2.7, 6.7]	25.5	[21.2, 30.3]	100.0
S Central/SW/SE (n=320)	71.5	[64.9, 77.3]	3.5	[1.9, 6.5]	25.0	[19.5, 31.5]	100.0
Detroit Metro (n=467)	68.3	[63.1, 73.1]	7.1	[4.8, 10.3]	24.6	[20.2, 29.6]	100.0
Pearson: Uncorrected chi2(6) =	12.1820						
Design-based F(5.59, 9003.12) =	1.5928	Pr =	0.150				
Chronic condition (2016, 2017, 2018)							
Yes (n=1,093)	72.2	[68.6, 75.5]	4.6	[3.4, 6.4]	23.2	[20.0, 26.7]	100.0
No (n=529)	66.9	[61.7, 71.8]	6.2	[4.0, 9.7]	26.8	[22.4, 31.9]	100.0
Pearson: Uncorrected chi2(2) =	5.4199						
Design-based F(2.00, 3219.14) =	1.5527	Pr =	0.212				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=1,053)	73.6	[70.0, 76.9]	4.8	[3.5, 6.8]	21.6	[18.5, 25.0]	100.0
No (n=569)	64.1	[58.8, 69.0]	5.9	[3.8, 9.1]	30.0	[25.3, 35.1]	100.0
Pearson: Uncorrected chi2(2) =	16.3718						
Design-based F(2.00, 3219.21) =	4.7916	Pr =	0.008				
Total (n=1,622)	70.2	[67.2, 73.0]	5.2	[4.0, 6.8]	24.6	[21.9, 27.4]	100.0

2.11 Q: In the past year, have you received a statement from the state that showed the services you received through the Healthy Michigan Plan and how much you owe, if anything?

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

	Received MIHA statement in the past year						Total Row %
	Yes		No		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=1,494)	81.0	[78.2, 83.5]	14.1	[11.9, 16.6]	4.9	[3.6, 6.7]	100.0
Churned off/on (n=125)	54.1	[43.4, 64.4]	30.7	[21.9, 41.1]	15.2	[8.6, 25.6]	100.0
Pearson: Uncorrected chi2(2) =	64.3313						
Design-based F(1.98, 3184.59) =	16.3180	Pr =	0.000				
Age (DW)							
19-34 (n=433)	76.0	[70.9, 80.5]	16.8	[13.0, 21.4]	7.2	[4.7, 10.9]	100.0
35-50 (n=516)	76.8	[72.0, 81.0]	16.4	[12.9, 20.7]	6.8	[4.4, 10.2]	100.0
51-64 (n=673)	84.0	[79.9, 87.4]	13.1	[9.9, 17.0]	3.0	[1.7, 5.1]	100.0
Pearson: Uncorrected chi2(4) =	13.3483						
Design-based F(3.78, 6081.74) =	2.1006	Pr =	0.082				
Gender (DW)							
Male (n=620)	73.9	[69.4, 78.0]	18.7	[15.2, 22.8]	7.4	[5.1, 10.6]	100.0
Female (n=1,002)	82.6	[79.3, 85.5]	12.8	[10.3, 15.8]	4.6	[3.1, 6.7]	100.0
Pearson: Uncorrected chi2(2) =	18.0626						
Design-based F(2.00, 3215.15) =	5.2416	Pr =	0.005				
Race/ethnicity, detailed (2016)							
White (n=1,062)	83.1	[79.9, 85.9]	13.0	[10.6, 15.9]	3.9	[2.5, 5.8]	100.0
Black (n=333)	71.9	[65.6, 77.4]	20.0	[15.3, 25.9]	8.1	[5.1, 12.7]	100.0
Hispanic (n=60)	77.2	[61.8, 87.6]	15.8	[7.8, 29.4]	7.0	[1.8, 23.6]	100.0
Arab/Chaldean (n=71)	65.2	[51.4, 76.8]	20.5	[11.7, 33.4]	14.3	[7.0, 27.2]	100.0
Other/more than one (n=77)	78.6	[64.0, 88.3]	17.4	[8.7, 31.5]	4.1	[0.9, 17.2]	100.0
Pearson: Uncorrected chi2(8) =	41.9103						
Design-based F(7.80, 12415.11) =	2.6168	Pr =	0.008				
FPL category (DW)							
0-35% (n=800)	76.0	[71.9, 79.7]	16.8	[13.7, 20.4]	7.2	[5.1, 10.1]	100.0
36-99% (n=475)	79.8	[74.5, 84.2]	16.4	[12.4, 21.5]	3.8	[2.2, 6.7]	100.0
100%+ (n=347)	83.2	[77.8, 87.6]	11.4	[8.0, 16.0]	5.3	[2.9, 9.6]	100.0
Pearson: Uncorrected chi2(4) =	11.7782						
Design-based F(3.94, 6341.50) =	1.8718	Pr =	0.114				
Region (DW)							
UP/NW/NE (n=296)	83.8	[77.8, 88.4]	13.7	[9.3, 19.5]	2.6	[1.2, 5.3]	100.0
W/E Central/E (n=539)	81.9	[77.4, 85.6]	11.9	[9.0, 15.7]	6.2	[3.9, 9.7]	100.0
S Central/SW/SE (n=320)	79.3	[73.2, 84.4]	14.1	[10.1, 19.2]	6.6	[3.6, 11.9]	100.0
Detroit Metro (n=467)	74.6	[69.7, 79.0]	19.2	[15.4, 23.8]	6.1	[4.0, 9.3]	100.0
Pearson: Uncorrected chi2(6) =	16.4422						
Design-based F(5.21, 8393.20) =	1.9954	Pr =	0.073				
Chronic condition (2016, 2017, 2018)							
Yes (n=1,093)	81.2	[78.0, 84.0]	13.6	[11.2, 16.4]	5.2	[3.7, 7.4]	100.0
No (n=529)	73.7	[68.6, 78.2]	19.2	[15.2, 23.9]	7.1	[4.7, 10.8]	100.0
Pearson: Uncorrected chi2(2) =	12.6986						
Design-based F(1.99, 3205.33) =	3.4258	Pr =	0.033				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=1,053)	78.7	[75.3, 81.8]	15.2	[12.6, 18.3]	6.1	[4.4, 8.4]	100.0
No (n=569)	77.8	[72.9, 82.0]	16.6	[12.9, 20.9]	5.7	[3.5, 9.1]	100.0
Pearson: Uncorrected chi2(2) =	0.5809						
Design-based F(1.99, 3197.03) =	0.1552	Pr =	0.855				
Total (n=1,622)	78.4	[75.6, 80.9]	15.7	[13.5, 18.1]	5.9	[4.5, 7.8]	100.0

2.11.1 Q: I carefully review each MI Health Account statement to see how much I owe.

Follow-up group(s): Enrolled

Universe: Respondents who received a MIHA statement in the past year (N=1,336)

	Strongly agree		Agree		Carefully review MIHA statement		Disagree		Strongly disagree		Total Row %
	Row %	95% CI	Row %	95% CI	Neutral Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)											
Stayed on (n=1,248)	24.5	[21.6, 27.8]	63.8	[60.3, 67.1]	4.6	[3.4, 6.3]	6.7	[5.1, 8.8]	0.4	[0.1, 1.1]	100.0
Off for 6+ months (n=3)	33.4	[4.0, 85.8]	66.6	[14.2, 96.0]	0.0		0.0		0.0		100.0
Churned off/on (n=71)	25.1	[14.5, 39.8]	56.4	[41.9, 69.8]	3.6	[1.1, 11.4]	14.9	[7.0, 28.9]	0.0		100.0
Pearson: Uncorrected chi2(8) =	9.6610										
Design-based F(7.71, 10106.51) =	0.7417	Pr =	0.650								
Age (DW)											
19-34 (n=343)	24.0	[19.2, 29.7]	61.9	[55.7, 67.6]	5.3	[3.3, 8.5]	8.4	[5.5, 12.6]	0.3	[0.0, 2.3]	100.0
35-50 (n=400)	24.5	[19.6, 30.3]	62.0	[56.0, 67.7]	4.7	[2.9, 7.7]	8.2	[5.5, 12.2]	0.5	[0.1, 2.2]	100.0
51-64 (n=579)	25.4	[21.1, 30.3]	66.7	[61.6, 71.5]	3.3	[1.8, 6.0]	4.5	[2.6, 7.7]	0.1	[0.0, 0.7]	100.0
Pearson: Uncorrected chi2(8) =	9.6208										
Design-based F(7.31, 9577.69) =	0.8537	Pr =	0.547								
Gender (DW)											
Male (n=478)	26.1	[21.5, 31.3]	62.2	[56.7, 67.4]	4.1	[2.6, 6.5]	7.6	[5.0, 11.2]	0.0		100.0
Female (n=844)	23.3	[19.9, 27.2]	64.2	[59.9, 68.2]	4.9	[3.3, 7.3]	7.0	[5.0, 9.7]	0.6	[0.2, 1.8]	100.0
Pearson: Uncorrected chi2(4) =	5.5534										
Design-based F(3.95, 5176.09) =	0.8727	Pr =	0.478								
Race/ethnicity, detailed (2016)											
White (n=904)	26.2	[22.7, 30.1]	64.3	[60.2, 68.2]	3.3	[2.1, 4.9]	6.0	[4.2, 8.4]	0.3	[0.0, 1.3]	100.0
Black (n=249)	22.5	[16.6, 29.7]	61.2	[53.6, 68.3]	6.7	[3.9, 11.4]	8.8	[5.3, 14.5]	0.7	[0.2, 3.1]	100.0
Hispanic (n=45)	31.2	[16.9, 50.1]	51.9	[35.0, 68.4]	8.8	[3.2, 21.7]	8.2	[2.6, 23.3]	0.0		100.0
Arab/Chaldean (n=47)	17.4	[8.1, 33.5]	66.7	[49.4, 80.4]	4.5	[1.4, 13.4]	11.5	[3.7, 30.1]	0.0		100.0
Other/more than one (n=62)	21.1	[11.2, 36.3]	61.2	[45.9, 74.7]	6.9	[2.1, 20.2]	10.8	[4.7, 22.8]	0.0		100.0
Pearson: Uncorrected chi2(16) =	23.0726										
Design-based F(15.22, 19704.07) =	0.8376	Pr =	0.638								
FPL category (DW)											
0-35% (n=639)	26.5	[22.3, 31.1]	63.5	[58.7, 68.1]	4.0	[2.5, 6.3]	5.5	[3.7, 8.2]	0.5	[0.1, 1.8]	100.0
36-99% (n=397)	22.8	[18.1, 28.4]	64.0	[57.7, 69.8]	4.0	[2.2, 7.2]	9.1	[5.8, 14.1]	0.1	[0.0, 0.7]	100.0
100%+ (n=286)	22.0	[16.3, 29.0]	61.5	[54.0, 68.5]	6.8	[4.0, 11.5]	9.4	[5.6, 15.3]	0.3	[0.0, 1.9]	100.0
Pearson: Uncorrected chi2(8) =	13.3154										
Design-based F(7.23, 9472.85) =	1.2192	Pr =	0.287								
Region (DW)											
UP/NW/NE (n=252)	24.1	[18.2, 31.2]	65.3	[57.9, 72.0]	6.9	[3.9, 11.9]	3.7	[1.7, 8.0]	0.0		100.0
W/E Central/E (n=452)	23.1	[18.7, 28.3]	66.2	[60.7, 71.2]	3.5	[2.0, 6.1]	6.7	[4.5, 10.0]	0.5	[0.1, 2.6]	100.0
S Central/SW/SE (n=262)	20.7	[15.5, 27.0]	67.3	[60.0, 73.8]	3.6	[2.0, 6.4]	8.5	[4.8, 14.4]	0.0		100.0
Detroit Metro (n=356)	27.5	[22.3, 33.4]	59.0	[52.8, 64.8]	5.2	[3.1, 8.6]	7.9	[5.1, 12.0]	0.4	[0.1, 1.8]	100.0
Pearson: Uncorrected chi2(12) =	14.8339										
Design-based F(10.32, 13514.04) =	1.0313	Pr =	0.414								
Chronic condition (2016, 2017, 2018)											
Yes (n=903)	27.0	[23.3, 31.0]	61.2	[57.0, 65.3]	4.8	[3.3, 6.9]	6.8	[4.9, 9.3]	0.2	[0.0, 1.2]	100.0
No (n=419)	20.3	[16.1, 25.3]	67.0	[61.3, 72.2]	4.2	[2.5, 6.8]	8.0	[5.2, 12.4]	0.5	[0.1, 2.2]	100.0
Pearson: Uncorrected chi2(4) =	8.6616										
Design-based F(3.93, 5152.14) =	1.3782	Pr =	0.239								
MH/SUD (2016, 2017, 2018 or DW)											
Yes (n=860)	23.7	[20.3, 27.6]	62.5	[58.4, 66.6]	5.3	[3.8, 7.3]	8.1	[6.1, 10.8]	0.3	[0.1, 1.2]	100.0
No (n=462)	26.2	[21.3, 31.8]	64.6	[58.7, 70.1]	3.2	[1.7, 6.2]	5.6	[3.2, 9.7]	0.4	[0.1, 2.5]	100.0
Pearson: Uncorrected chi2(4) =	6.2816										
Design-based F(3.94, 5160.01) =	0.9186	Pr =	0.451								
Total (n=1,322)	24.6	[21.7, 27.7]	63.3	[59.9, 66.5]	4.6	[3.4, 6.1]	7.3	[5.6, 9.4]	0.3	[0.1, 1.0]	100.0

Note: Total n is less than universe N due to item non-response.

A100

2.11.2 Q: The MI Health Account statements help me be more aware of the cost of health care.

Follow-up group(s): Enrolled

Universe: Respondents who received a MIHA statement in the past year (N=1,336)

	MIHA statements help me be aware of health care costs												Total Row %
	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)													
Stayed on (n=1,260)	20.2	[17.4, 23.2]	66.3	[62.9, 69.6]	4.6	[3.3, 6.3]	5.7	[4.3, 7.5]	0.3	[0.1, 0.6]	2.9	[2.0, 4.4]	100.0
Off for 6+ months (n=3)	33.4	[4.0, 85.8]	66.6	[14.2, 96.0]	0.0		0.0		0.0		0.0		100.0
Churned off/on (n=71)	27.1	[15.8, 42.3]	60.8	[45.9, 74.0]	8.2	[2.6, 23.3]	3.1	[0.8, 10.9]	0.0		0.8	[0.1, 5.2]	100.0
Pearson: Uncorrected chi2(10) =	8.2052												
Design-based F(8.66, 11442.58) =	0.5418	Pr =	0.839										
Age (DW)													
19-34 (n=344)	20.4	[15.8, 25.9]	67.0	[61.0, 72.6]	4.3	[2.4, 7.5]	6.9	[4.4, 10.6]	0.0		1.4	[0.4, 4.3]	100.0
35-50 (n=403)	22.3	[17.5, 28.0]	64.5	[58.5, 70.0]	5.3	[3.2, 8.7]	4.7	[2.9, 7.5]	0.0		3.1	[1.6, 5.9]	100.0
51-64 (n=587)	19.0	[15.2, 23.4]	66.4	[61.3, 71.1]	4.9	[2.7, 8.7]	4.6	[3.1, 6.9]	0.9	[0.4, 2.0]	4.3	[2.5, 7.2]	100.0
Pearson: Uncorrected chi2(10) =	19.8897												
Design-based F(9.12, 12056.60) =	1.2988	Pr =	0.231										
Gender (DW)													
Male (n=478)	23.1	[18.7, 28.2]	61.9	[56.4, 67.2]	6.4	[4.1, 9.8]	5.6	[3.6, 8.5]	0.2	[0.0, 0.8]	2.9	[1.4, 5.7]	100.0
Female (n=856)	18.6	[15.5, 22.3]	69.4	[65.4, 73.2]	3.5	[2.3, 5.4]	5.4	[3.9, 7.6]	0.3	[0.1, 0.8]	2.7	[1.7, 4.2]	100.0
Pearson: Uncorrected chi2(5) =	11.6015												
Design-based F(4.59, 6067.76) =	1.6424	Pr =	0.151										
Race/ethnicity, detailed (2016)													
White (n=912)	19.8	[16.7, 23.3]	66.2	[62.1, 70.0]	5.1	[3.5, 7.6]	6.0	[4.5, 8.0]	0.3	[0.1, 0.8]	2.6	[1.5, 4.4]	100.0
Black (n=249)	24.4	[18.1, 31.9]	63.2	[55.5, 70.3]	5.3	[2.7, 10.2]	4.8	[2.6, 9.0]	0.2	[0.0, 1.3]	2.1	[1.0, 4.5]	100.0
Hispanic (n=46)	24.1	[11.7, 43.2]	65.4	[47.5, 79.8]	5.0	[1.6, 15.1]	1.7	[0.2, 11.5]	0.0		3.8	[0.7, 16.9]	100.0
Arab/Chaldean (n=48)	13.9	[5.8, 29.7]	69.8	[52.5, 82.8]	3.8	[1.1, 12.1]	4.0	[0.6, 23.3]	0.0		8.6	[2.5, 26.0]	100.0
Other/more than one (n=64)	19.8	[10.3, 34.9]	67.9	[52.3, 80.3]	1.9	[0.6, 6.3]	8.2	[2.4, 24.2]	0.0		2.1	[0.5, 8.6]	100.0
Pearson: Uncorrected chi2(20) =	20.7401												
Design-based F(16.92, 22113.50) =	0.6643	Pr =	0.840										
FPL category (DW)													
0-35% (n=644)	22.9	[19.0, 27.4]	65.5	[60.8, 70.0]	4.7	[3.0, 7.5]	3.9	[2.5, 5.9]	0.1	[0.0, 0.4]	2.9	[1.6, 5.0]	100.0
36-99% (n=398)	18.6	[14.1, 24.1]	66.7	[60.6, 72.4]	5.8	[3.4, 9.6]	6.9	[4.3, 10.8]	0.5	[0.1, 1.5]	1.6	[0.8, 3.3]	100.0
100%+ (n=292)	17.6	[12.5, 24.4]	66.0	[58.6, 72.7]	3.9	[1.9, 7.7]	7.9	[4.6, 13.1]	0.4	[0.1, 1.8]	4.1	[1.8, 9.0]	100.0
Pearson: Uncorrected chi2(10) =	17.8784												
Design-based F(8.89, 11754.78) =	1.3534	Pr =	0.204										
Region (DW)													
UP/NW/NE (n=254)	22.8	[17.0, 29.9]	63.1	[55.8, 69.9]	4.3	[2.4, 7.6]	7.5	[4.2, 13.1]	0.0		2.4	[1.1, 5.1]	100.0
W/E Central/E (n=458)	18.6	[14.5, 23.6]	68.7	[63.3, 73.7]	4.4	[2.5, 7.7]	5.5	[3.5, 8.6]	0.6	[0.2, 1.5]	2.1	[1.1, 4.3]	100.0
S Central/SW/SE (n=264)	16.5	[12.0, 22.2]	68.6	[61.5, 74.9]	4.9	[2.4, 9.8]	8.2	[4.9, 13.3]	0.2	[0.0, 1.2]	1.6	[0.6, 4.4]	100.0
Detroit Metro (n=358)	23.5	[18.6, 29.3]	63.4	[57.3, 69.1]	5.2	[3.1, 8.7]	3.9	[2.2, 6.8]	0.1	[0.0, 0.8]	3.9	[2.1, 6.9]	100.0
Pearson: Uncorrected chi2(15) =	20.6459												
Design-based F(12.52, 16553.95) =	1.2348	Pr =	0.249										
Chronic condition (2016, 2017, 2018)													
Yes (n=913)	22.0	[18.6, 25.8]	65.6	[61.5, 69.5]	4.6	[3.0, 7.0]	4.2	[3.0, 5.9]	0.3	[0.1, 0.8]	3.3	[2.1, 5.0]	100.0
No (n=421)	18.3	[14.1, 23.4]	66.6	[60.8, 72.0]	5.2	[3.2, 8.4]	7.9	[5.2, 11.8]	0.1	[0.0, 0.9]	1.9	[0.7, 5.0]	100.0
Pearson: Uncorrected chi2(5) =	12.2752												
Design-based F(4.50, 5953.61) =	1.6208	Pr =	0.158										
MH/SUD (2016, 2017, 2018 or DW)													
Yes (n=866)	19.6	[16.4, 23.3]	65.7	[61.6, 69.6]	4.8	[3.2, 7.1]	6.3	[4.6, 8.6]	0.3	[0.1, 0.8]	3.2	[2.0, 5.2]	100.0
No (n=468)	22.6	[17.9, 28.1]	66.4	[60.6, 71.7]	4.9	[2.9, 8.0]	4.0	[2.4, 6.7]	0.1	[0.0, 0.8]	2.0	[0.9, 4.2]	100.0
Pearson: Uncorrected chi2(5) =	6.2644												
Design-based F(4.56, 6030.22) =	0.9125	Pr =	0.465										
Total (n=1,334)	20.7	[18.0, 23.7]	66.0	[62.6, 69.1]	4.8	[3.5, 6.6]	5.5	[4.2, 7.2]	0.2	[0.1, 0.6]	2.8	[1.9, 4.2]	100.0

Note: Total n is less than universe N due to item non-response.

2.11.3 Q: Information I saw in a MI Health Account statement led me to change some of my decisions about health care.

Follow-up group(s): Enrolled

Universe: Respondents who received a MIHA statement in the past year (N=1,336)

	MIHA statement led me to change health care decisions												Total Row %
	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)													
Stayed on (n=1,260)	5.8	[4.3, 7.9]	32.8	[29.6, 36.2]	15.1	[12.7, 17.9]	36.9	[33.7, 40.3]	3.1	[2.1, 4.6]	6.3	[4.9, 8.1]	100.0
Off for 6+ months (n=3)	0.0		66.6	[14.2, 96.0]	0.0		33.4	[4.0, 85.8]	0.0		0.0		100.0
Churned off/on (n=71)	7.5	[2.2, 22.8]	35.4	[23.4, 49.4]	15.4	[7.1, 30.3]	36.9	[24.6, 51.2]	4.2	[0.8, 18.9]	0.6	[0.1, 4.4]	100.0
Pearson: Uncorrected chi2(10) =	8.1226												
Design-based F(8.95, 11828.57) =	0.4542	Pr =	0.905										
Age (DW)													
19-34 (n=344)	7.3	[4.5, 11.6]	34.1	[28.5, 40.1]	20.3	[15.6, 25.9]	32.2	[26.9, 38.0]	4.0	[2.1, 7.4]	2.1	[1.0, 4.5]	100.0
35-50 (n=404)	6.1	[3.5, 10.3]	35.2	[29.8, 41.1]	11.4	[8.1, 15.9]	38.4	[32.8, 44.3]	2.5	[1.2, 4.9]	6.4	[3.9, 10.1]	100.0
51-64 (n=586)	3.8	[2.4, 5.8]	29.0	[24.6, 33.8]	12.4	[9.6, 16.0]	41.5	[36.6, 46.5]	2.9	[1.5, 5.5]	10.4	[7.7, 13.9]	100.0
Pearson: Uncorrected chi2(10) =	54.6570												
Design-based F(9.44, 12477.25) =	3.5623	Pr =	0.000										
Gender (DW)													
Male (n=479)	8.0	[5.4, 11.7]	36.5	[31.4, 41.9]	15.3	[11.6, 19.8]	33.3	[28.4, 38.6]	2.1	[0.9, 4.8]	4.9	[3.1, 7.7]	100.0
Female (n=855)	4.1	[2.6, 6.6]	30.2	[26.4, 34.2]	14.9	[12.0, 18.3]	40.0	[36.0, 44.1]	4.1	[2.7, 6.2]	6.7	[4.9, 9.0]	100.0
Pearson: Uncorrected chi2(5) =	22.2914												
Design-based F(4.93, 6520.19) =	2.5149	Pr =	0.028										
Race/ethnicity, detailed (2016)													
White (n=912)	4.6	[3.2, 6.7]	29.5	[25.9, 33.4]	17.7	[14.5, 21.4]	39.2	[35.3, 43.3]	2.6	[1.6, 4.0]	6.3	[4.7, 8.6]	100.0
Black (n=249)	9.0	[5.1, 15.5]	33.8	[27.2, 41.1]	10.5	[6.6, 16.3]	34.4	[27.8, 41.7]	5.0	[2.5, 9.8]	7.3	[4.3, 12.2]	100.0
Hispanic (n=46)	3.7	[1.1, 11.2]	48.6	[32.3, 65.2]	11.3	[4.8, 24.3]	26.1	[14.3, 42.8]	6.1	[0.9, 32.1]	4.3	[1.5, 12.1]	100.0
Arab/Chaldean (n=48)	6.1	[1.4, 23.2]	51.8	[35.8, 67.4]	8.1	[3.0, 19.9]	33.6	[20.5, 49.8]	0.0		0.4	[0.1, 3.1]	100.0
Other/more than one (n=64)	8.4	[2.6, 24.1]	40.8	[27.0, 56.2]	13.0	[5.7, 27.0]	35.8	[23.2, 50.8]	0.0		2.0	[0.5, 7.7]	100.0
Pearson: Uncorrected chi2(20) =	58.1092												
Design-based F(17.15, 22411.28) =	1.7524	Pr =	0.028										
FPL category (DW)													
0-35% (n=644)	5.8	[3.8, 8.8]	33.1	[28.6, 37.8]	15.2	[11.8, 19.3]	35.8	[31.5, 40.4]	3.5	[2.0, 6.1]	6.6	[4.6, 9.2]	100.0
36-99% (n=398)	5.8	[3.2, 10.1]	32.8	[27.2, 38.9]	13.1	[9.4, 17.9]	41.4	[35.4, 47.7]	2.6	[1.4, 4.6]	4.4	[2.6, 7.3]	100.0
100%+ (n=292)	6.3	[3.2, 12.0]	33.5	[27.1, 40.6]	17.4	[12.4, 23.7]	33.6	[27.2, 40.6]	3.1	[1.3, 7.3]	6.1	[3.6, 10.3]	100.0
Pearson: Uncorrected chi2(10) =	7.6809												
Design-based F(9.67, 12787.44) =	0.4946	Pr =	0.890										
Region (DW)													
UP/NW/NE (n=254)	6.6	[3.0, 13.9]	31.2	[25.1, 38.2]	10.7	[7.0, 16.0]	43.2	[36.4, 50.3]	2.7	[1.2, 5.9]	5.5	[3.4, 8.8]	100.0
W/E Central/E (n=459)	5.3	[3.3, 8.3]	31.6	[26.8, 36.9]	15.2	[11.3, 20.1]	39.1	[34.0, 44.5]	1.9	[0.9, 3.7]	6.9	[4.7, 10.0]	100.0
S Central/SW/SE (n=264)	5.7	[3.1, 10.3]	33.5	[26.9, 40.8]	16.3	[11.6, 22.3]	36.9	[30.1, 44.2]	2.9	[1.5, 5.4]	4.7	[2.5, 8.8]	100.0
Detroit Metro (n=357)	6.3	[3.6, 10.6]	34.3	[28.8, 40.3]	15.3	[11.4, 20.4]	34.0	[28.6, 39.8]	4.3	[2.4, 7.9]	5.7	[3.6, 9.1]	100.0
Pearson: Uncorrected chi2(15) =	12.1647												
Design-based F(13.09, 17299.37) =	0.6470	Pr =	0.817										
Chronic condition (2016, 2017, 2018)													
Yes (n=913)	6.0	[4.1, 8.6]	32.1	[28.3, 36.1]	13.4	[10.7, 16.6]	37.3	[33.4, 41.3]	3.9	[2.5, 6.1]	7.4	[5.5, 9.8]	100.0
No (n=421)	5.7	[3.4, 9.5]	34.9	[29.5, 40.7]	18.1	[13.9, 23.3]	36.2	[30.9, 42.0]	1.8	[0.9, 3.5]	3.2	[2.0, 5.2]	100.0
Pearson: Uncorrected chi2(5) =	18.6262												
Design-based F(4.76, 6292.63) =	2.4510	Pr =	0.034										
MH/SUD (2016, 2017, 2018 or DW)													
Yes (n=867)	5.0	[3.4, 7.2]	33.8	[30.0, 37.9]	14.8	[11.9, 18.3]	37.5	[33.5, 41.5]	3.3	[2.0, 5.1]	5.6	[4.1, 7.8]	100.0
No (n=467)	7.6	[4.7, 12.1]	31.7	[26.5, 37.4]	15.5	[11.7, 20.1]	35.9	[30.8, 41.5]	3.0	[1.5, 6.1]	6.3	[4.2, 9.4]	100.0
Pearson: Uncorrected chi2(5) =	4.4887												
Design-based F(4.91, 6493.73) =	0.5291	Pr =	0.751										
Total (n=1,334)	5.9	[4.4, 8.0]	33.1	[29.9, 36.3]	15.1	[12.7, 17.8]	36.9	[33.8, 40.2]	3.2	[2.1, 4.7]	5.9	[4.6, 7.6]	100.0

Note: Total n is less than universe N due to item non-response.

2.12 Q: The amount I have to pay overall for the Healthy Michigan Plan seems fair.

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)													
Stayed on (n=1,493)	25.2	[22.5, 28.1]	61.4	[58.3, 64.5]	4.9	[3.7, 6.5]	4.3	[3.2, 5.8]	1.0	[0.5, 2.1]	3.2	[2.2, 4.6]	100.0
Churned off/on (n=125)	21.0	[13.5, 31.1]	57.6	[46.8, 67.8]	7.8	[3.5, 16.7]	5.9	[2.3, 14.2]	1.1	[0.3, 4.4]	6.6	[2.8, 15.0]	100.0
Pearson: Uncorrected chi2(5) =	9.2579												
Design-based F(4.77, 7667.88) =	1.0053	Pr =	0.411										
Age (DW)													
19-34 (n=432)	24.5	[20.1, 29.5]	61.4	[55.9, 66.6]	7.9	[5.4, 11.4]	3.5	[1.9, 6.1]	0.9	[0.3, 2.8]	1.9	[0.8, 4.4]	100.0
35-50 (n=516)	24.5	[20.2, 29.3]	61.4	[56.1, 66.4]	2.9	[1.6, 5.1]	5.9	[3.8, 9.1]	0.9	[0.2, 3.2]	4.5	[2.6, 7.6]	100.0
51-64 (n=673)	25.3	[21.5, 29.5]	60.1	[55.4, 64.6]	4.6	[2.9, 7.1]	4.0	[2.7, 6.1]	1.3	[0.4, 4.0]	4.6	[2.9, 7.3]	100.0
Pearson: Uncorrected chi2(10) =	27.1578												
Design-based F(9.44, 15196.28) =	1.6610	Pr =	0.088										
Gender (DW)													
Male (n=620)	25.2	[21.3, 29.5]	63.4	[58.7, 67.9]	4.1	[2.6, 6.5]	4.2	[2.7, 6.7]	0.6	[0.2, 2.2]	2.4	[1.2, 4.5]	100.0
Female (n=1,001)	24.2	[21.0, 27.8]	58.8	[54.9, 62.6]	6.3	[4.6, 8.7]	4.7	[3.3, 6.6]	1.3	[0.6, 3.1]	4.6	[3.1, 6.8]	100.0
Pearson: Uncorrected chi2(5) =	13.3735												
Design-based F(4.95, 7959.13) =	1.5034	Pr =	0.186										
Race/ethnicity, detailed (2016)													
White (n=1,061)	31.0	[27.5, 34.7]	58.9	[55.1, 62.6]	5.4	[3.9, 7.5]	2.7	[1.8, 4.2]	0.2	[0.1, 0.5]	1.8	[1.0, 3.3]	100.0
Black (n=333)	15.2	[11.1, 20.4]	62.8	[56.4, 68.8]	5.3	[2.9, 9.4]	7.8	[5.0, 11.8]	1.8	[0.6, 5.1]	7.1	[4.4, 11.1]	100.0
Hispanic (n=60)	33.7	[20.5, 50.0]	52.9	[37.8, 67.5]	4.9	[1.5, 14.6]	0.6	[0.1, 4.2]	0.0		8.0	[2.3, 23.9]	100.0
Arab/Chaldean (n=71)	12.2	[5.7, 24.2]	68.7	[54.8, 79.9]	1.5	[0.2, 10.2]	11.4	[4.9, 24.1]	2.7	[0.6, 11.1]	3.5	[0.7, 15.5]	100.0
Other/more than one (n=77)	15.8	[8.4, 27.6]	72.5	[59.5, 82.5]	8.1	[3.1, 19.2]	1.3	[0.4, 4.0]	1.1	[0.2, 7.5]	1.3	[0.3, 5.4]	100.0
Pearson: Uncorrected chi2(20) =	126.7128												
Design-based F(17.34, 27565.78) =	4.1585	Pr =	0.000										
FPL category (DW)													
0-35% (n=800)	24.3	[20.7, 28.2]	62.1	[57.8, 66.2]	4.7	[3.2, 7.0]	3.7	[2.4, 5.7]	1.1	[0.5, 2.5]	4.0	[2.6, 6.2]	100.0
36-99% (n=474)	25.9	[21.3, 31.2]	60.3	[54.6, 65.8]	4.6	[2.7, 7.7]	5.2	[3.1, 8.6]	1.3	[0.3, 4.9]	2.7	[1.3, 5.5]	100.0
100%+ (n=347)	24.2	[19.0, 30.4]	59.0	[52.3, 65.3]	7.8	[4.9, 12.3]	5.5	[3.1, 9.6]	0.3	[0.0, 2.1]	3.2	[1.5, 6.6]	100.0
Pearson: Uncorrected chi2(10) =	11.1186												
Design-based F(9.57, 15394.95) =	0.7048	Pr =	0.714										
Region (DW)													
UP/NW/NE (n=296)	33.6	[27.6, 40.2]	54.8	[48.1, 61.4]	7.7	[4.3, 13.6]	2.6	[1.1, 6.1]	0.0		1.2	[0.5, 2.9]	100.0
W/E Central/E (n=538)	28.1	[23.7, 33.0]	59.9	[54.9, 64.8]	5.1	[3.3, 7.9]	2.7	[1.7, 4.4]	0.6	[0.2, 2.1]	3.5	[2.1, 5.8]	100.0
S Central/SW/SE (n=320)	21.8	[17.1, 27.5]	64.8	[58.2, 70.9]	4.0	[2.1, 7.4]	6.2	[3.3, 11.2]	0.3	[0.1, 1.4]	2.8	[1.1, 7.1]	100.0
Detroit Metro (n=467)	21.9	[17.7, 26.7]	61.4	[56.1, 66.5]	5.4	[3.4, 8.4]	5.3	[3.4, 8.0]	1.7	[0.7, 4.0]	4.3	[2.5, 7.0]	100.0
Pearson: Uncorrected chi2(15) =	31.9757												
Design-based F(12.70, 20428.76) =	1.6769	Pr =	0.060										
Chronic condition (2016, 2017, 2018)													
Yes (n=1,092)	22.9	[19.9, 26.2]	61.2	[57.5, 64.9]	5.5	[4.0, 7.5]	4.7	[3.3, 6.6]	1.2	[0.5, 2.9]	4.5	[3.1, 6.5]	100.0
No (n=529)	27.7	[23.2, 32.6]	60.8	[55.6, 65.8]	4.9	[3.0, 7.9]	4.1	[2.5, 6.8]	0.6	[0.2, 1.6]	1.9	[0.9, 4.0]	100.0
Pearson: Uncorrected chi2(5) =	12.7080												
Design-based F(4.94, 7944.42) =	1.5721	Pr =	0.165										
MH/SUD (2016, 2017, 2018 or DW)													
Yes (n=1,053)	26.4	[23.2, 29.8]	60.2	[56.4, 63.8]	5.1	[3.6, 7.0]	4.2	[3.0, 5.8]	0.4	[0.2, 1.0]	3.8	[2.5, 5.8]	100.0
No (n=568)	21.7	[17.6, 26.3]	62.7	[57.4, 67.7]	5.6	[3.6, 8.7]	5.0	[3.0, 8.2]	2.1	[0.9, 4.9]	2.9	[1.7, 5.1]	100.0
Pearson: Uncorrected chi2(5) =	15.7304												
Design-based F(4.96, 7980.88) =	1.9914	Pr =	0.077										
Total (n=1,621)	24.7	[22.1, 27.4]	61.1	[58.0, 64.0]	5.3	[4.0, 6.8]	4.5	[3.3, 5.9]	1.0	[0.5, 2.0]	3.5	[2.5, 4.9]	100.0

Note: Total n is less than universe N due to item non-response.

2.13 Q: The amount I have to pay for the Healthy Michigan Plan is affordable.

Follow-up group(s): Enrolled
 Universe: All respondents (N=1,622)

	Strongly agree		Agree		Neutral		Amount I have to pay for HMP is affordable Disagree		Strongly disagree		Don't know		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)													
Stayed on (n=1,493)	24.7	[22.1, 27.6]	62.3	[59.1, 65.3]	3.3	[2.3, 4.6]	5.4	[4.1, 7.1]	0.7	[0.3, 1.7]	3.6	[2.6, 5.1]	100.0
Churned off/on (n=125)	23.7	[15.7, 34.1]	59.8	[48.8, 69.9]	6.2	[2.3, 16.0]	3.6	[1.2, 10.8]	0.4	[0.1, 2.7]	6.3	[2.6, 14.1]	100.0
Pearson: Uncorrected chi2(5) =	7.4250												
Design-based F(4.50, 7233.27) =	0.8250	Pr =	0.521										
Age (DW)													
19-34 (n=432)	25.9	[21.4, 31.0]	60.1	[54.6, 65.4]	6.0	[3.8, 9.2]	4.4	[2.5, 7.4]	0.8	[0.2, 3.0]	2.8	[1.4, 5.6]	100.0
35-50 (n=516)	22.8	[18.7, 27.5]	62.9	[57.7, 67.8]	2.4	[1.2, 4.8]	6.8	[4.6, 9.8]	0.6	[0.1, 3.3]	4.4	[2.6, 7.3]	100.0
51-64 (n=673)	24.8	[20.9, 29.1]	63.6	[59.0, 68.0]	1.7	[0.9, 3.1]	4.4	[2.7, 7.1]	0.6	[0.2, 1.5]	4.9	[3.2, 7.3]	100.0
Pearson: Uncorrected chi2(10) =	25.5443												
Design-based F(9.05, 14554.00) =	1.6292	Pr =	0.100										
Gender (DW)													
Male (n=620)	24.6	[20.8, 28.8]	63.8	[59.1, 68.3]	3.7	[2.2, 6.1]	3.7	[2.2, 6.3]	0.5	[0.1, 2.4]	3.8	[2.3, 6.2]	100.0
Female (n=1,001)	24.5	[21.3, 28.1]	60.3	[56.4, 64.0]	3.6	[2.3, 5.4]	6.7	[5.0, 8.9]	0.9	[0.4, 2.3]	4.0	[2.7, 5.9]	100.0
Pearson: Uncorrected chi2(5) =	9.0444												
Design-based F(4.90, 7890.75) =	0.9704	Pr =	0.433										
Race/ethnicity, detailed (2016)													
White (n=1,061)	29.4	[26.0, 33.0]	61.8	[58.1, 65.5]	3.3	[2.1, 5.1]	3.4	[2.3, 4.9]	0.3	[0.1, 0.7]	1.8	[1.1, 2.9]	100.0
Black (n=333)	18.2	[13.6, 23.9]	62.4	[55.9, 68.5]	4.6	[2.4, 8.5]	6.5	[4.0, 10.3]	1.3	[0.4, 4.3]	7.1	[4.5, 11.1]	100.0
Hispanic (n=60)	27.1	[15.4, 43.1]	60.3	[44.6, 74.1]	3.4	[0.8, 13.2]	2.3	[0.3, 14.7]	0.0		6.9	[1.7, 23.5]	100.0
Arab/Chaldean (n=71)	13.8	[6.9, 25.8]	55.6	[42.0, 68.5]	4.3	[1.0, 16.5]	17.1	[8.8, 30.5]	0.0		9.1	[3.4, 22.3]	100.0
Other/more than one (n=77)	16.0	[8.6, 27.6]	74.0	[61.3, 83.7]	2.3	[0.8, 6.3]	6.3	[2.1, 17.4]	0.0		1.4	[0.4, 5.8]	100.0
Pearson: Uncorrected chi2(20) =	105.3057												
Design-based F(18.04, 28682.26) =	3.1690	Pr =	0.000										
FPL category (DW)													
0-35% (n=800)	23.6	[20.1, 27.4]	63.9	[59.7, 68.0]	3.0	[1.8, 5.0]	4.1	[2.7, 6.1]	0.6	[0.2, 2.0]	4.8	[3.2, 7.2]	100.0
36-99% (n=474)	27.5	[22.7, 32.9]	58.2	[52.4, 63.7]	4.0	[2.2, 7.2]	7.0	[4.3, 11.1]	1.1	[0.3, 3.9]	2.3	[1.3, 3.8]	100.0
100%+ (n=347)	23.2	[18.0, 29.4]	62.0	[55.3, 68.3]	4.8	[2.5, 9.2]	5.9	[3.5, 9.8]	0.6	[0.1, 3.8]	3.5	[1.6, 7.4]	100.0
Pearson: Uncorrected chi2(10) =	17.1536												
Design-based F(9.67, 15564.07) =	1.0658	Pr =	0.385										
Region (DW)													
UP/NW/NE (n=296)	33.4	[27.4, 40.0]	61.0	[54.3, 67.3]	3.0	[1.5, 5.9]	1.6	[0.5, 5.2]	0.0		0.9	[0.3, 2.5]	100.0
W/E Central/E (n=538)	28.1	[23.7, 33.0]	61.2	[56.1, 66.0]	2.8	[1.7, 4.8]	4.0	[2.4, 6.4]	0.6	[0.2, 2.2]	3.3	[1.9, 5.7]	100.0
S Central/SW/SE (n=320)	21.1	[16.3, 26.9]	65.4	[58.9, 71.4]	4.7	[2.5, 8.8]	5.5	[3.2, 9.5]	0.3	[0.1, 1.2]	2.9	[1.4, 5.9]	100.0
Detroit Metro (n=467)	21.9	[17.7, 26.7]	61.4	[56.0, 66.4]	3.8	[2.1, 6.7]	6.6	[4.5, 9.7]	1.1	[0.3, 3.2]	5.3	[3.4, 8.2]	100.0
Pearson: Uncorrected chi2(15) =	31.3345												
Design-based F(12.50, 20106.95) =	1.6976	Pr =	0.057										
Chronic condition (2016, 2017, 2018)													
Yes (n=1,092)	23.5	[20.4, 26.9]	61.9	[58.1, 65.5]	3.4	[2.2, 5.1]	5.8	[4.3, 7.9]	1.0	[0.4, 2.4]	4.4	[3.1, 6.3]	100.0
No (n=529)	26.3	[22.0, 31.1]	62.2	[57.0, 67.2]	4.0	[2.3, 7.0]	4.2	[2.5, 7.0]	0.2	[0.1, 0.8]	3.0	[1.6, 5.5]	100.0
Pearson: Uncorrected chi2(5) =	8.4783												
Design-based F(4.67, 7521.17) =	1.0858	Pr =	0.365										
MH/SUD (2016, 2017, 2018 or DW)													
Yes (n=1,053)	25.4	[22.3, 28.8]	62.3	[58.6, 65.9]	3.3	[2.2, 4.9]	5.4	[3.9, 7.2]	0.2	[0.1, 0.6]	3.4	[2.2, 5.2]	100.0
No (n=568)	22.9	[18.8, 27.7]	61.5	[56.2, 66.6]	4.2	[2.4, 7.4]	5.0	[2.9, 8.3]	1.6	[0.6, 4.2]	4.8	[3.0, 7.6]	100.0
Pearson: Uncorrected chi2(5) =	13.2255												
Design-based F(4.77, 7673.02) =	1.6614	Pr =	0.144										
Total (n=1,621)	24.5	[22.0, 27.3]	62.0	[59.0, 65.0]	3.6	[2.6, 5.0]	5.2	[4.0, 6.8]	0.7	[0.3, 1.6]	3.9	[2.8, 5.3]	100.0

Note: Total n is less than universe N due to item non-response.

2.14 Q: There is a limit on the total amount I have to pay each year for Healthy Michigan Plan insurance.

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

	Strongly agree		Agree		Neutral		Limit on total amount I have to pay Disagree		Strongly disagree		Don't know		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)													
Stayed on (n=1,489)	7.0	[5.5, 8.8]	34.1	[31.1, 37.2]	11.2	[9.3, 13.4]	8.9	[7.2, 10.9]	0.9	[0.5, 1.9]	38.0	[34.9, 41.1]	100.0
Churned off/on (n=125)	2.9	[0.8, 9.6]	30.4	[22.0, 40.5]	15.0	[8.8, 24.6]	10.7	[5.8, 18.9]	2.0	[0.6, 6.3]	39.0	[29.0, 49.9]	100.0
Pearson: Uncorrected chi2(5) =	7.9963												
Design-based F(4.91, 7859.45) =	0.9230	Pr =	0.463										
Age (DW)													
19-34 (n=431)	4.7	[2.9, 7.6]	31.0	[26.2, 36.3]	20.3	[16.3, 25.0]	10.8	[7.8, 14.6]	0.7	[0.2, 2.3]	32.6	[27.7, 37.9]	100.0
35-50 (n=515)	7.9	[5.5, 11.3]	35.7	[30.8, 40.9]	6.1	[4.2, 8.6]	8.0	[5.6, 11.3]	1.5	[0.6, 3.9]	40.8	[35.8, 46.0]	100.0
51-64 (n=671)	7.4	[5.1, 10.6]	35.4	[31.0, 40.1]	6.2	[4.4, 8.7]	7.8	[5.7, 10.5]	1.0	[0.4, 2.6]	42.2	[37.6, 46.8]	100.0
Pearson: Uncorrected chi2(10) =	87.2732												
Design-based F(9.51, 15264.61) =	6.0476	Pr =	0.000										
Gender (DW)													
Male (n=620)	6.7	[4.8, 9.3]	37.6	[33.1, 42.3]	14.2	[11.1, 17.9]	7.7	[5.5, 10.8]	1.3	[0.6, 3.0]	32.5	[28.2, 37.1]	100.0
Female (n=997)	6.4	[4.6, 8.8]	30.2	[26.8, 33.9]	9.2	[7.2, 11.6]	10.2	[8.1, 12.9]	0.8	[0.3, 2.0]	43.2	[39.4, 47.1]	100.0
Pearson: Uncorrected chi2(5) =	31.2474												
Design-based F(4.99, 8015.26) =	3.8921	Pr =	0.002										
Race/ethnicity, detailed (2016)													
White (n=1,060)	7.0	[5.3, 9.2]	30.6	[27.2, 34.2]	13.8	[11.2, 16.8]	5.9	[4.4, 7.9]	0.6	[0.2, 1.7]	42.2	[38.5, 46.0]	100.0
Black (n=332)	6.3	[3.8, 10.3]	38.9	[32.8, 45.3]	7.2	[4.5, 11.5]	12.4	[8.8, 17.1]	1.9	[0.8, 4.7]	33.3	[27.5, 39.6]	100.0
Hispanic (n=59)	3.2	[1.1, 9.1]	18.2	[10.1, 30.8]	15.4	[7.9, 28.0]	17.6	[8.5, 33.1]	0.0		45.5	[31.0, 60.8]	100.0
Arab/Chaldean (n=70)	9.3	[3.9, 20.7]	39.9	[27.7, 53.5]	8.1	[3.3, 18.5]	16.6	[8.8, 29.0]	0.0		26.1	[15.7, 40.3]	100.0
Other/more than one (n=77)	1.2	[0.2, 8.2]	43.9	[30.8, 57.9]	11.9	[5.3, 24.7]	10.8	[4.6, 23.2]	2.3	[0.3, 14.6]	29.9	[19.4, 43.0]	100.0
Pearson: Uncorrected chi2(20) =	83.3015												
Design-based F(18.97, 30083.76) =	2.4492	Pr =	0.000										
FPL category (DW)													
0-35% (n=798)	6.8	[4.9, 9.2]	34.6	[30.6, 38.8]	10.5	[8.1, 13.6]	8.8	[6.7, 11.5]	1.5	[0.7, 3.0]	37.9	[33.8, 42.1]	100.0
36-99% (n=472)	6.5	[4.1, 10.3]	31.7	[26.5, 37.3]	11.5	[8.4, 15.5]	9.4	[6.4, 13.7]	0.5	[0.1, 3.6]	40.4	[35.0, 45.9]	100.0
100%+ (n=347)	5.8	[3.4, 9.8]	34.7	[28.7, 41.2]	15.0	[10.7, 20.7]	9.0	[5.9, 13.5]	0.6	[0.1, 2.3]	34.8	[28.9, 41.3]	100.0
Pearson: Uncorrected chi2(10) =	9.9131												
Design-based F(9.66, 15499.10) =	0.6455	Pr =	0.770										
Region (DW)													
UP/NW/NE (n=295)	5.0	[3.2, 7.9]	30.5	[24.8, 36.9]	12.5	[8.0, 19.0]	4.8	[2.8, 8.1]	0.0		47.2	[40.6, 53.8]	100.0
W/E Central/E (n=538)	7.6	[5.2, 10.8]	32.4	[27.9, 37.2]	15.5	[11.9, 19.8]	9.9	[7.2, 13.3]	1.1	[0.4, 3.2]	33.6	[29.1, 38.4]	100.0
S Central/SW/SE (n=319)	6.4	[3.9, 10.5]	30.2	[24.4, 36.7]	12.3	[8.4, 17.5]	10.1	[7.0, 14.6]	0.3	[0.0, 2.4]	40.6	[34.3, 47.2]	100.0
Detroit Metro (n=465)	6.2	[4.0, 9.3]	36.9	[31.9, 42.1]	8.6	[6.1, 12.1]	8.8	[6.2, 12.4]	1.5	[0.7, 3.4]	38.0	[33.0, 43.2]	100.0
Pearson: Uncorrected chi2(15) =	30.5541												
Design-based F(13.37, 21465.14) =	1.5825	Pr =	0.079										
Chronic condition (2016, 2017, 2018)													
Yes (n=1,089)	6.1	[4.6, 8.1]	33.4	[30.0, 37.1]	12.5	[10.1, 15.3]	8.9	[7.0, 11.2]	1.5	[0.7, 2.9]	37.6	[34.0, 41.3]	100.0
No (n=528)	7.3	[4.9, 10.7]	34.4	[29.7, 39.5]	10.2	[7.5, 13.6]	9.2	[6.5, 13.0]	0.3	[0.1, 1.1]	38.6	[33.7, 43.7]	100.0
Pearson: Uncorrected chi2(5) =	7.6496												
Design-based F(4.79, 7686.38) =	1.0153	Pr =	0.405										
MH/SUD (2016, 2017, 2018 or DW)													
Yes (n=1,051)	6.4	[4.8, 8.6]	33.2	[29.8, 36.9]	10.9	[8.8, 13.5]	9.6	[7.6, 12.0]	1.2	[0.6, 2.3]	38.7	[35.0, 42.4]	100.0
No (n=566)	6.7	[4.5, 10.0]	34.9	[30.0, 40.1]	12.9	[9.7, 16.9]	8.0	[5.6, 11.5]	0.8	[0.2, 3.1]	36.7	[31.9, 41.7]	100.0
Pearson: Uncorrected chi2(5) =	3.3813												
Design-based F(4.95, 7937.46) =	0.3920	Pr =	0.853										
Total (n=1,617)	6.5	[5.2, 8.2]	33.8	[31.0, 36.8]	11.6	[9.8, 13.8]	9.0	[7.4, 10.9]	1.0	[0.6, 1.9]	38.0	[35.1, 41.0]	100.0

Note: Total n is less than universe N due to item non-response.

2.15 Q: Having the Healthy Michigan Plan has taken a lot of stress off me.

Follow-up group(s): Enrolled
 Universe: All respondents (N=1,622)

	Strongly agree		Agree		HMP has taken a lot of stress off me Neutral		Disagree		Strongly disagree		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)											
Stayed on (n=1,482)	37.7	[34.6, 40.8]	56.9	[53.7, 60.0]	2.0	[1.3, 3.0]	3.0	[2.0, 4.4]	0.5	[0.2, 1.2]	100.0
Churned off/on (n=121)	30.8	[21.8, 41.6]	56.6	[45.6, 67.0]	8.9	[3.8, 19.1]	3.3	[0.9, 10.7]	0.5	[0.1, 3.2]	100.0
Pearson: Uncorrected chi2(4) = Design-based F(3.61, 5743.69) =	27.1326 3.9980		Pr =	0.004							
Age (DW)											
19-34 (n=431)	32.4	[27.5, 37.8]	58.4	[52.9, 63.7]	5.0	[3.1, 8.0]	3.0	[1.5, 5.7]	1.1	[0.5, 2.7]	100.0
35-50 (n=509)	38.3	[33.3, 43.5]	56.3	[50.9, 61.4]	1.6	[0.7, 3.4]	3.9	[2.2, 6.9]	0.0		100.0
51-64 (n=666)	41.9	[37.3, 46.7]	55.3	[50.6, 60.0]	0.7	[0.3, 1.7]	1.8	[0.9, 3.4]	0.2	[0.1, 1.0]	100.0
Pearson: Uncorrected chi2(8) = Design-based F(7.01, 11176.61) =	40.1058 3.8454		Pr =	0.000							
Gender (DW)											
Male (n=612)	35.6	[31.2, 40.3]	57.1	[52.3, 61.8]	3.3	[1.9, 5.7]	3.5	[2.0, 6.1]	0.5	[0.1, 1.8]	100.0
Female (n=994)	38.2	[34.5, 42.1]	56.6	[52.7, 60.4]	2.1	[1.3, 3.6]	2.5	[1.6, 4.1]	0.5	[0.2, 1.4]	100.0
Pearson: Uncorrected chi2(4) = Design-based F(3.98, 6338.86) =	3.9983 0.6319		Pr =	0.639							
Race/ethnicity, detailed (2016)											
White (n=1,052)	42.3	[38.6, 46.1]	53.5	[49.7, 57.3]	2.0	[1.2, 3.4]	1.9	[1.0, 3.4]	0.3	[0.1, 1.0]	100.0
Black (n=328)	28.4	[22.8, 34.7]	65.7	[59.2, 71.6]	1.4	[0.5, 4.1]	4.2	[2.2, 7.9]	0.3	[0.1, 1.3]	100.0
Hispanic (n=60)	35.7	[22.5, 51.5]	56.5	[41.3, 70.6]	5.0	[1.6, 14.8]	2.8	[0.8, 9.7]	0.0		100.0
Arab /Chaldean (n=71)	23.1	[13.5, 36.7]	59.9	[46.1, 72.3]	7.2	[2.3, 20.4]	7.8	[3.0, 18.7]	2.0	[0.5, 7.9]	100.0
Other /more than one (n=76)	34.0	[22.3, 48.0]	51.8	[38.2, 65.2]	8.2	[3.0, 20.5]	3.7	[0.7, 17.3]	2.3	[0.3, 14.7]	100.0
Pearson: Uncorrected chi2(16) = Design-based F(14.48, 22813.63) =	79.6745 2.9476		Pr =	0.000							
FPL category (DW)											
0-35% (n=792)	38.0	[33.9, 42.3]	57.1	[52.8, 61.3]	1.9	[1.0, 3.8]	2.6	[1.4, 4.7]	0.4	[0.1, 1.2]	100.0
36-99% (n=468)	35.2	[29.9, 40.8]	58.8	[53.1, 64.3]	3.0	[1.6, 5.9]	2.3	[1.1, 5.0]	0.7	[0.1, 3.3]	100.0
100%+ (n=346)	36.5	[30.3, 43.1]	53.4	[46.8, 59.9]	4.4	[2.3, 8.6]	5.2	[2.8, 9.4]	0.5	[0.1, 2.1]	100.0
Pearson: Uncorrected chi2(8) = Design-based F(7.72, 12299.67) =	13.4647 1.0865		Pr =	0.369							
Region (DW)											
UP/NW/NE (n=293)	46.1	[39.5, 52.8]	50.2	[43.5, 56.9]	1.8	[0.7, 4.4]	0.9	[0.2, 3.7]	1.1	[0.2, 7.4]	100.0
W/E Central/E (n=533)	39.7	[34.8, 44.7]	55.4	[50.3, 60.3]	2.7	[1.5, 4.7]	1.7	[0.7, 4.1]	0.6	[0.1, 3.0]	100.0
S Central/SW/SE (n=314)	33.1	[27.3, 39.6]	59.3	[52.6, 65.7]	2.8	[1.1, 7.2]	4.3	[2.1, 8.9]	0.4	[0.1, 1.7]	100.0
Detroit Metro (n=466)	35.0	[30.1, 40.2]	58.1	[52.8, 63.2]	2.8	[1.5, 5.4]	3.7	[2.2, 6.2]	0.4	[0.1, 1.3]	100.0
Pearson: Uncorrected chi2(12) = Design-based F(10.48, 16712.52) =	16.6133 1.0500		Pr =	0.398							
Chronic condition (2016, 2017, 2018)											
Yes (n=1,079)	39.4	[35.8, 43.2]	55.0	[51.2, 58.8]	1.9	[1.2, 3.2]	3.0	[1.8, 4.8]	0.6	[0.2, 1.6]	100.0
No (n=527)	32.8	[28.2, 37.8]	59.9	[54.7, 64.8]	3.9	[2.2, 7.0]	3.0	[1.6, 5.6]	0.4	[0.1, 1.1]	100.0
Pearson: Uncorrected chi2(4) = Design-based F(3.81, 6071.31) =	11.9349 1.9456		Pr =	0.104							
MH/SUD (2016, 2017, 2018 or DW)											
Yes (n=1,042)	38.9	[35.3, 42.7]	55.6	[51.8, 59.4]	2.4	[1.5, 4.0]	2.3	[1.4, 3.7]	0.7	[0.3, 1.7]	100.0
No (n=564)	33.3	[28.6, 38.4]	59.1	[53.8, 64.1]	3.1	[1.6, 5.9]	4.3	[2.4, 7.6]	0.2	[0.0, 1.1]	100.0
Pearson: Uncorrected chi2(4) = Design-based F(3.79, 6044.80) =	11.6217 1.8595		Pr =	0.118							
Total (n=1,606)	37.0	[34.0, 40.0]	56.9	[53.8, 59.9]	2.7	[1.8, 4.0]	3.0	[2.0, 4.4]	0.5	[0.2, 1.1]	100.0

Note: Total n is less than universe N due to item non-response.

2.16 Q: Without the Healthy Michigan Plan, I wouldn't be able to go to the doctor.

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

	Strongly agree		Agree		Wouldn't be able to go to doctor without HMP				Strongly disagree		Total Row %
	Row %	95% CI	Row %	95% CI	Neutral Row %	95% CI	Disagree Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)											
Stayed on (n=1,480)	36.5	[33.5, 39.6]	54.1	[50.9, 57.3]	2.8	[1.8, 4.2]	6.6	[5.0, 8.5]	0.1	[0.0, 0.4]	100.0
Churned off/on (n=124)	39.0	[29.1, 49.8]	51.5	[40.8, 62.0]	3.0	[0.7, 11.5]	6.5	[2.8, 14.3]	0.0		100.0
Pearson: Uncorrected chi2(4) =	0.5555										
Design-based F(3.59, 5709.70) =	0.0796	Pr =	0.983								
Age (DW)											
19-34 (n=428)	34.5	[29.5, 39.9]	55.1	[49.6, 60.5]	3.4	[1.8, 6.3]	7.0	[4.6, 10.6]	0.0		100.0
35-50 (n=515)	37.4	[32.5, 42.5]	52.2	[47.0, 57.4]	1.9	[0.9, 4.3]	8.3	[5.7, 12.0]	0.1	[0.0, 1.0]	100.0
51-64 (n=664)	38.9	[34.4, 43.6]	54.7	[49.9, 59.4]	3.0	[1.5, 5.9]	3.4	[2.0, 5.9]	0.0		100.0
Pearson: Uncorrected chi2(8) =	14.9417										
Design-based F(7.44, 11861.74) =	1.2270	Pr =	0.281								
Gender (DW)											
Male (n=612)	33.4	[29.0, 38.0]	54.4	[49.6, 59.2]	3.6	[2.2, 6.0]	8.5	[6.0, 11.8]	0.1	[0.0, 0.7]	100.0
Female (n=995)	39.8	[36.1, 43.6]	53.5	[49.6, 57.4]	2.0	[1.0, 3.8]	4.7	[3.2, 6.8]	0.0		100.0
Pearson: Uncorrected chi2(4) =	18.1851										
Design-based F(3.68, 5872.84) =	2.9984	Pr =	0.021								
Race/ethnicity, detailed (2016)											
White (n=1,052)	42.0	[38.3, 45.8]	48.6	[44.8, 52.4]	3.4	[2.1, 5.4]	6.1	[4.3, 8.5]	0.0		100.0
Black (n=331)	28.3	[22.8, 34.5]	61.4	[54.9, 67.6]	1.8	[0.6, 5.1]	8.5	[5.4, 13.1]	0.0		100.0
Hispanic (n=59)	36.7	[23.3, 52.6]	58.4	[42.9, 72.4]	1.6	[0.2, 10.6]	3.3	[0.9, 11.3]	0.0		100.0
Arab/Chaldean (n=71)	26.8	[16.4, 40.7]	60.2	[46.5, 72.5]	1.7	[0.2, 11.3]	10.5	[4.7, 22.0]	0.7	[0.1, 5.1]	100.0
Other/more than one (n=75)	26.7	[16.7, 39.7]	69.4	[55.7, 80.3]	3.9	[0.8, 17.7]	0.0		0.0		100.0
Pearson: Uncorrected chi2(16) =	62.0470										
Design-based F(14.83, 23368.59) =	2.2925	Pr =	0.003								
FPL category (DW)											
0-35% (n=790)	37.2	[33.1, 41.4]	52.7	[48.3, 57.0]	3.1	[1.8, 5.3]	7.1	[4.9, 10.1]	0.0		100.0
36-99% (n=472)	35.9	[30.7, 41.5]	56.8	[51.1, 62.3]	2.3	[1.1, 4.9]	5.1	[3.2, 8.0]	0.0		100.0
100%+ (n=345)	36.3	[30.2, 42.9]	53.7	[47.1, 60.2]	2.6	[1.0, 6.4]	7.1	[4.4, 11.3]	0.3	[0.0, 1.8]	100.0
Pearson: Uncorrected chi2(8) =	7.0957										
Design-based F(7.64, 12183.52) =	0.6125	Pr =	0.761								
Region (DW)											
UP/NW/NE (n=292)	45.1	[38.5, 51.8]	47.6	[41.0, 54.3]	2.3	[0.9, 5.8]	4.5	[2.3, 8.6]	0.6	[0.1, 4.0]	100.0
W/E Central/E (n=535)	40.1	[35.2, 45.2]	52.4	[47.3, 57.4]	2.7	[1.3, 5.5]	4.8	[2.9, 7.9]	0.0		100.0
S Central/SW/SE (n=317)	35.0	[29.1, 41.4]	58.4	[51.8, 64.7]	1.5	[0.4, 4.9]	5.2	[2.8, 9.2]	0.0		100.0
Detroit Metro (n=463)	33.5	[28.7, 38.7]	54.4	[49.1, 59.7]	3.5	[1.9, 6.2]	8.6	[6.0, 12.3]	0.0		100.0
Pearson: Uncorrected chi2(12) =	28.9704										
Design-based F(9.67, 15429.10) =	2.0981	Pr =	0.023								
Chronic condition (2016, 2017, 2018)											
Yes (n=1,081)	39.9	[36.3, 43.6]	51.5	[47.7, 55.2]	2.5	[1.5, 4.3]	6.1	[4.4, 8.5]	0.0		100.0
No (n=526)	31.3	[26.7, 36.3]	58.2	[52.9, 63.2]	3.2	[1.7, 5.9]	7.2	[4.8, 10.6]	0.1	[0.0, 0.9]	100.0
Pearson: Uncorrected chi2(4) =	13.3706										
Design-based F(3.67, 5848.10) =	2.1428	Pr =	0.079								
MH/SUD (2016, 2017, 2018 or DW)											
Yes (n=1,043)	38.2	[34.6, 41.9]	54.2	[50.4, 58.0]	2.2	[1.3, 4.0]	5.4	[3.7, 7.8]	0.0		100.0
No (n=564)	33.9	[29.1, 39.0]	53.6	[48.4, 58.8]	3.7	[2.1, 6.6]	8.6	[6.1, 12.1]	0.1	[0.0, 1.0]	100.0
Pearson: Uncorrected chi2(4) =	12.0411										
Design-based F(3.67, 5853.95) =	1.9447	Pr =	0.106								
Total (n=1,607)	36.7	[33.8, 39.6]	54.0	[50.9, 57.0]	2.8	[1.8, 4.2]	6.5	[5.1, 8.4]	0.0	[0.0, 0.3]	100.0

Note: Total n is less than universe N due to item non-response.

2.17 Q: Without the Healthy Michigan Plan, I wouldn't be able to go to the dentist.

Follow-up group(s): Enrolled
 Universe: All respondents (N=1,622)

	Strongly agree		Agree		Wouldn't be able to go to dentist without HMP				Strongly disagree		Don't know		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)													
Stayed on (n=1,494)	32.1	[29.2, 35.1]	52.8	[49.6, 56.0]	4.7	[3.4, 6.4]	8.0	[6.3, 10.1]	0.3	[0.1, 0.6]	2.2	[1.5, 3.1]	100.0
Churned off/on (n=125)	30.4	[21.6, 40.8]	55.8	[45.1, 66.0]	5.2	[1.8, 14.1]	5.4	[2.4, 11.6]	1.9	[0.3, 12.1]	1.4	[0.3, 7.2]	100.0
Pearson: Uncorrected chi2(5) =	11.1420												
Design-based F(4.86, 7802.35) =	1.1947	Pr =	0.309										
Age (DW)													
19-34 (n=433)	28.9	[24.2, 34.0]	55.5	[50.0, 60.8]	5.4	[3.2, 8.7]	8.7	[6.0, 12.3]	0.7	[0.2, 2.8]	1.0	[0.4, 2.4]	100.0
35-50 (n=516)	34.2	[29.4, 39.3]	50.0	[44.7, 55.2]	4.1	[2.4, 7.0]	9.2	[6.4, 13.1]	0.2	[0.1, 1.0]	2.2	[1.2, 4.1]	100.0
51-64 (n=673)	33.0	[28.7, 37.5]	54.1	[49.4, 58.8]	4.6	[2.7, 7.7]	4.3	[2.7, 7.0]	0.3	[0.1, 1.4]	3.6	[2.4, 5.5]	100.0
Pearson: Uncorrected chi2(10) =	24.3965												
Design-based F(9.27, 14917.54) =	1.7202	Pr =	0.076										
Gender (DW)													
Male (n=620)	29.1	[24.9, 33.6]	54.4	[49.6, 59.2]	4.7	[2.9, 7.4]	9.6	[7.0, 13.0]	0.5	[0.1, 2.4]	1.8	[1.0, 3.2]	100.0
Female (n=1,002)	34.4	[30.8, 38.2]	52.0	[48.1, 55.8]	4.8	[3.2, 7.1]	6.0	[4.4, 8.2]	0.4	[0.1, 0.9]	2.4	[1.6, 3.6]	100.0
Pearson: Uncorrected chi2(5) =	11.6533												
Design-based F(4.86, 7830.32) =	1.4814	Pr =	0.194										
Race/ethnicity, detailed (2016)													
White (n=1,062)	36.8	[33.2, 40.5]	46.6	[42.9, 50.4]	5.6	[3.9, 8.1]	8.5	[6.4, 11.1]	0.2	[0.1, 0.6]	2.3	[1.6, 3.5]	100.0
Black (n=333)	25.7	[20.4, 31.9]	61.6	[55.1, 67.7]	3.8	[1.9, 7.3]	7.0	[4.2, 11.5]	0.3	[0.1, 1.4]	1.5	[0.6, 3.7]	100.0
Hispanic (n=60)	28.4	[16.9, 43.6]	61.9	[46.3, 75.4]	0.0		7.2	[1.8, 24.3]	0.0		2.5	[0.4, 15.9]	100.0
Arab/Chaldean (n=71)	21.6	[12.5, 34.7]	59.1	[45.4, 71.4]	4.5	[1.1, 16.6]	10.5	[4.9, 21.2]	3.5	[0.7, 15.8]	0.8	[0.1, 5.7]	100.0
Other/more than one (n=77)	20.6	[12.1, 32.8]	67.1	[53.5, 78.3]	4.7	[1.2, 16.4]	3.6	[0.6, 17.4]	0.0		4.1	[1.4, 11.1]	100.0
Pearson: Uncorrected chi2(20) =	77.6933												
Design-based F(18.02, 28675.14) =	2.2495	Pr =	0.002										
FPL category (DW)													
0-35% (n=800)	32.2	[28.3, 36.3]	52.0	[47.6, 56.3]	5.5	[3.7, 8.1]	7.6	[5.4, 10.7]	0.1	[0.0, 0.7]	2.6	[1.7, 4.0]	100.0
36-99% (n=475)	32.0	[26.9, 37.5]	54.9	[49.2, 60.5]	5.0	[2.8, 8.5]	7.0	[4.7, 10.2]	0.4	[0.1, 1.1]	0.8	[0.3, 2.1]	100.0
100%+ (n=347)	30.4	[24.8, 36.6]	54.3	[47.7, 60.7]	2.2	[1.0, 4.9]	9.2	[6.0, 13.9]	1.4	[0.3, 5.7]	2.5	[1.3, 4.6]	100.0
Pearson: Uncorrected chi2(10) =	21.2551												
Design-based F(9.29, 14954.06) =	1.6432	Pr =	0.094										
Region (DW)													
UP/NW/NE (n=296)	38.8	[32.4, 45.5]	45.4	[38.9, 52.0]	4.8	[2.4, 9.2]	8.3	[5.2, 13.0]	0.6	[0.1, 4.0]	2.1	[1.0, 4.5]	100.0
W/E Central/E (n=539)	35.3	[30.6, 40.3]	51.4	[46.4, 56.4]	2.8	[1.6, 5.0]	6.6	[4.2, 10.1]	0.3	[0.1, 1.0]	3.6	[2.1, 5.9]	100.0
S Central/SW/SE (n=320)	31.2	[25.6, 37.5]	54.9	[48.3, 61.4]	3.4	[1.6, 7.0]	6.9	[4.1, 11.5]	1.0	[0.1, 6.9]	2.6	[1.3, 5.1]	100.0
Detroit Metro (n=467)	28.4	[23.9, 33.5]	55.1	[49.8, 60.4]	6.6	[4.2, 10.0]	8.7	[6.1, 12.4]	0.2	[0.1, 0.9]	0.9	[0.4, 2.1]	100.0
Pearson: Uncorrected chi2(15) =	34.2999												
Design-based F(12.93, 20817.62) =	1.9022	Pr =	0.025										
Chronic condition (2016, 2017, 2018)													
Yes (n=1,093)	34.3	[30.8, 38.0]	51.4	[47.6, 55.1]	4.4	[3.0, 6.5]	7.3	[5.3, 9.9]	0.2	[0.1, 0.6]	2.4	[1.6, 3.6]	100.0
No (n=529)	27.6	[23.3, 32.4]	56.2	[51.0, 61.2]	5.3	[3.3, 8.4]	8.5	[6.0, 11.8]	0.8	[0.2, 2.9]	1.6	[0.8, 3.1]	100.0
Pearson: Uncorrected chi2(5) =	13.0007												
Design-based F(4.75, 7645.04) =	1.7282	Pr =	0.128										
MH/SUD (2016, 2017, 2018 or DW)													
Yes (n=1,053)	33.1	[29.7, 36.8]	53.4	[49.6, 57.2]	4.4	[3.0, 6.5]	6.2	[4.5, 8.6]	0.1	[0.0, 0.6]	2.6	[1.8, 3.8]	100.0
No (n=569)	29.4	[24.9, 34.4]	52.7	[47.5, 57.9]	5.3	[3.3, 8.6]	10.5	[7.6, 14.3]	0.9	[0.3, 3.0]	1.2	[0.5, 2.5]	100.0
Pearson: Uncorrected chi2(5) =	20.0763												
Design-based F(4.69, 7550.68) =	2.7026	Pr =	0.022										
Total (n=1,622)	31.8	[29.0, 34.7]	53.2	[50.1, 56.2]	4.7	[3.5, 6.4]	7.7	[6.2, 9.7]	0.4	[0.2, 1.1]	2.1	[1.5, 3.0]	100.0

Note: Total n is less than universe N due to item non-response.

2.18 Q: In the last 12 months, have you had any questions or problems using your Healthy Michigan Plan insurance?

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

	Questions/problems using HMP in last 12 months				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,485)	9.7	[8.0, 11.7]	90.3	[88.3, 92.0]	100.0
Churned off/on (n=124)	21.7	[13.9, 32.2]	78.3	[67.8, 86.1]	100.0
Pearson: Uncorrected chi2(1) =	21.2627				
Design-based F(1.00, 1597.00) =	11.0342	Pr =	0.001		
Age (DW)					
19-34 (n=429)	11.5	[8.4, 15.6]	88.5	[84.4, 91.6]	100.0
35-50 (n=515)	9.3	[6.8, 12.5]	90.7	[87.5, 93.2]	100.0
51-64 (n=668)	11.9	[9.1, 15.5]	88.1	[84.5, 90.9]	100.0
Pearson: Uncorrected chi2(2) =	2.2118				
Design-based F(1.94, 3101.61) =	0.7537	Pr =	0.467		
Gender (DW)					
Male (n=618)	9.7	[7.2, 13.0]	90.3	[87.0, 92.8]	100.0
Female (n=994)	11.9	[9.6, 14.6]	88.1	[85.4, 90.4]	100.0
Pearson: Uncorrected chi2(1) =	1.9123				
Design-based F(1.00, 1600.00) =	1.1631	Pr =	0.281		
Race/ethnicity, detailed (2016)					
White (n=1,057)	11.0	[8.8, 13.5]	89.0	[86.5, 91.2]	100.0
Black (n=332)	9.4	[6.2, 14.0]	90.6	[86.0, 93.8]	100.0
Hispanic (n=59)	6.2	[2.5, 14.4]	93.8	[85.6, 97.5]	100.0
Arab/Chaldean (n=68)	15.8	[7.8, 29.3]	84.2	[70.7, 92.2]	100.0
Other/more than one (n=77)	14.2	[7.3, 25.7]	85.8	[74.3, 92.7]	100.0
Pearson: Uncorrected chi2(4) =	6.0633				
Design-based F(3.68, 5815.42) =	0.9440	Pr =	0.432		
FPL category (DW)					
0-35% (n=793)	11.1	[8.7, 14.1]	88.9	[85.9, 91.3]	100.0
36-99% (n=473)	9.7	[6.8, 13.5]	90.3	[86.5, 93.2]	100.0
100%+ (n=346)	11.8	[8.0, 16.9]	88.2	[83.1, 92.0]	100.0
Pearson: Uncorrected chi2(2) =	0.9370				
Design-based F(2.00, 3195.63) =	0.3141	Pr =	0.730		
Region (DW)					
UP/NW/NE (n=294)	10.6	[6.6, 16.4]	89.4	[83.6, 93.4]	100.0
W/E Central/E (n=538)	9.6	[6.9, 13.1]	90.4	[86.9, 93.1]	100.0
S Central/SW/SE (n=317)	13.9	[9.9, 19.1]	86.1	[80.9, 90.1]	100.0
Detroit Metro (n=463)	10.5	[7.7, 14.1]	89.5	[85.9, 92.3]	100.0
Pearson: Uncorrected chi2(3) =	3.7013				
Design-based F(2.83, 4530.99) =	0.9419	Pr =	0.415		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,088)	10.3	[8.3, 12.8]	89.7	[87.2, 91.7]	100.0
No (n=524)	11.7	[8.7, 15.6]	88.3	[84.4, 91.3]	100.0
Pearson: Uncorrected chi2(1) =	0.7779				
Design-based F(1.00, 1600.00) =	0.4766	Pr =	0.490		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,047)	11.0	[8.8, 13.6]	89.0	[86.4, 91.2]	100.0
No (n=565)	10.6	[7.8, 14.2]	89.4	[85.8, 92.2]	100.0
Pearson: Uncorrected chi2(1) =	0.0550				
Design-based F(1.00, 1600.00) =	0.0348	Pr =	0.852		
Total (n=1,612)	10.8	[9.1, 12.9]	89.2	[87.1, 90.9]	100.0

Note: Total n is less than universe N due to item non-response.

2.18.1 Q: What kind of questions or difficulties did you have?

Follow-up group(s): Enrolled

Universe: Respondents who had questions or problems using their Healthy Michigan Plan insurance (N=176)

Kind of questions or difficulties with HMP	Weighted Proportion	95% CI
Cost- insurance plan wouldn't cover services needed (n=76)	42.9	[34.1, 52.2]
Difficulty/inability finding a provider (n=58)	30.5	[22.6, 39.7]
Payment issue- charged incorrectly/too much (n=18)	11.0	[6.2, 18.9]
Admin problem- disenrolled/declared ineligible but don't know why (n=13)	10.2	[5.4, 18.5]
Difficulty finding out information (n=12)	7.8	[3.9, 15.2]
Payment issue- trouble making payments (n=8)	3.5	[1.7, 7.2]
Admin problem- eligibility/administrative error by DHHS (n=9)	3.3	[1.6, 7.0]
Admin problem- case worker difficulties/difficult to reach (n=3)	2.9	[0.8, 10.3]
Transportation/logistics (n=2)	1.4	[0.3, 6.0]
Other (n=1)	1.1	[0.2, 7.5]
Admin problem- inaccurate information from/problem with Medicaid Health Plan (n=2)	0.9	[0.2, 3.9]
Difficulty getting appointment (n=3)	0.7	[0.2, 2.2]
Admin problem- problem with Medicaid/HMP ID card (n=2)	0.4	[0.1, 1.5]

Note: Respondents were able to provide multiple responses.

2.19 Q: There should be a limit on how long someone can be covered by Medicaid.

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Strongly agree		Agree		There should be a limit on the length of Medicaid coverage				Strongly disagree		Don't know		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)													
Stayed on (n=2,004)	2.8	[2.0, 3.8]	15.3	[13.4, 17.5]	10.6	[9.1, 12.4]	49.1	[46.3, 51.8]	18.0	[15.9, 20.2]	4.2	[3.3, 5.4]	100.0
Off for 6+ months (n=397)	5.3	[3.2, 8.6]	21.8	[17.2, 27.2]	11.5	[8.5, 15.4]	45.9	[40.0, 51.9]	13.1	[9.6, 17.6]	2.5	[1.2, 4.9]	100.0
Churned off/on (n=203)	3.0	[1.4, 6.6]	18.5	[12.9, 25.8]	12.0	[7.4, 19.0]	48.4	[40.1, 56.8]	13.2	[8.6, 19.7]	4.9	[2.1, 11.1]	100.0
Pearson: Uncorrected chi2(10) =	27.4757												
Design-based F(9.66, 25036.07) =	1.6736	Pr =	0.083										
Age (DW)													
19-34 (n=735)	2.4	[1.5, 3.9]	14.9	[12.1, 18.1]	13.4	[10.9, 16.4]	48.4	[44.3, 52.6]	17.9	[14.9, 21.4]	3.0	[1.7, 5.0]	100.0
35-50 (n=810)	4.0	[2.7, 6.0]	17.7	[14.7, 21.2]	8.8	[6.7, 11.3]	49.8	[45.7, 54.0]	16.2	[13.3, 19.6]	3.4	[2.2, 5.3]	100.0
51-64 (n=1,059)	3.3	[2.2, 5.0]	18.0	[15.1, 21.4]	9.9	[8.1, 12.0]	46.8	[43.1, 50.6]	15.5	[13.0, 18.4]	6.4	[4.8, 8.4]	100.0
Pearson: Uncorrected chi2(10) =	33.0460												
Design-based F(9.53, 24691.79) =	2.2511	Pr =	0.014										
Gender (DW)													
Male (n=1,001)	3.2	[2.1, 4.7]	17.7	[15.0, 20.8]	11.1	[9.0, 13.6]	47.5	[43.8, 51.3]	16.2	[13.6, 19.2]	4.2	[3.0, 5.9]	100.0
Female (n=1,603)	3.2	[2.3, 4.4]	15.7	[13.6, 18.1]	10.7	[9.0, 12.7]	49.4	[46.4, 52.4]	17.2	[14.9, 19.6]	3.8	[2.8, 5.2]	100.0
Pearson: Uncorrected chi2(5) =	2.7320												
Design-based F(4.99, 12931.00) =	0.3559	Pr =	0.878										
Race/ethnicity, detailed (2016)													
White (n=1,693)	2.7	[1.9, 3.9]	14.9	[12.8, 17.2]	12.6	[10.9, 14.7]	47.2	[44.2, 50.2]	18.2	[15.9, 20.8]	4.4	[3.3, 5.7]	100.0
Black (n=537)	4.9	[3.2, 7.2]	16.0	[12.7, 20.1]	6.2	[4.1, 9.3]	55.1	[50.1, 60.1]	15.0	[11.7, 19.0]	2.7	[1.5, 5.0]	100.0
Hispanic (n=105)	0.3	[0.0, 2.2]	23.7	[15.3, 34.7]	10.5	[5.7, 18.5]	45.2	[34.2, 56.8]	14.2	[8.0, 24.1]	6.0	[2.7, 12.8]	100.0
Arab/Chaldean (n=106)	2.9	[1.1, 7.7]	28.4	[19.5, 39.4]	16.1	[9.3, 26.4]	37.5	[27.7, 48.5]	8.8	[4.7, 15.9]	6.3	[2.5, 15.0]	100.0
Other/more than one (n=129)	3.5	[0.9, 12.8]	20.5	[13.0, 30.9]	11.5	[6.4, 20.0]	43.8	[33.6, 54.6]	17.2	[10.9, 26.2]	3.4	[1.0, 11.0]	100.0
Pearson: Uncorrected chi2(20) =	79.7978												
Design-based F(18.62, 47623.48) =	2.4111	Pr =	0.001										
FPL category (DW)													
0-35% (n=1,509)	3.9	[2.9, 5.3]	17.9	[15.6, 20.5]	9.8	[8.2, 11.7]	47.8	[44.6, 50.9]	16.4	[14.2, 18.9]	4.2	[3.1, 5.6]	100.0
36-99% (n=648)	2.0	[1.1, 3.5]	15.3	[12.2, 19.0]	11.7	[8.9, 15.2]	49.1	[44.3, 53.9]	17.3	[13.9, 21.3]	4.7	[2.9, 7.3]	100.0
100%+ (n=447)	2.0	[1.0, 3.8]	13.9	[10.2, 18.8]	14.3	[10.8, 18.7]	50.6	[44.9, 56.2]	17.0	[13.1, 21.7]	2.3	[1.2, 4.2]	100.0
Pearson: Uncorrected chi2(10) =	22.4157												
Design-based F(9.70, 25153.55) =	1.6672	Pr =	0.085										
Region (DW)													
UP/NW/NE (n=488)	3.8	[2.2, 6.3]	16.0	[12.3, 20.4]	13.1	[10.1, 16.9]	48.7	[43.5, 53.8]	13.4	[10.3, 17.4]	5.0	[3.4, 7.5]	100.0
W/E Central/E (n=820)	1.4	[0.8, 2.6]	16.7	[13.8, 20.0]	11.7	[9.4, 14.4]	48.9	[44.9, 53.0]	17.6	[14.7, 21.0]	3.7	[2.5, 5.5]	100.0
S Central/SW/SE (n=524)	3.0	[1.6, 5.5]	14.4	[11.1, 18.3]	12.4	[9.4, 16.3]	52.1	[46.9, 57.2]	13.9	[10.9, 17.5]	4.3	[2.5, 7.1]	100.0
Detroit Metro (n=772)	4.3	[3.0, 6.1]	17.8	[14.9, 21.2]	9.3	[7.2, 12.0]	46.7	[42.6, 50.8]	18.0	[15.0, 21.4]	3.9	[2.6, 5.8]	100.0
Pearson: Uncorrected chi2(15) =	27.9399												
Design-based F(13.58, 35197.27) =	1.5374	Pr =	0.092										
Chronic condition (2016, 2017, 2018)													
Yes (n=1,735)	2.7	[2.0, 3.8]	16.0	[13.9, 18.4]	10.4	[8.8, 12.3]	49.3	[46.3, 52.2]	16.5	[14.3, 18.8]	5.1	[3.9, 6.6]	100.0
No (n=869)	3.9	[2.6, 5.9]	17.7	[14.9, 21.0]	11.7	[9.4, 14.5]	47.3	[43.3, 51.3]	17.1	[14.2, 20.4]	2.2	[1.4, 3.7]	100.0
Pearson: Uncorrected chi2(5) =	18.3882												
Design-based F(4.99, 12926.53) =	2.3682	Pr =	0.037										
MH/SUD (2016, 2017, 2018 or DW)													
Yes (n=1,686)	2.7	[1.9, 3.9]	15.2	[13.2, 17.6]	10.9	[9.2, 12.8]	49.2	[46.2, 52.1]	18.2	[15.9, 20.6]	3.8	[2.8, 5.2]	100.0
No (n=918)	4.0	[2.7, 5.8]	19.2	[16.2, 22.6]	11.0	[8.7, 13.7]	47.3	[43.3, 51.4]	14.2	[11.6, 17.3]	4.4	[3.0, 6.2]	100.0
Pearson: Uncorrected chi2(5) =	15.0161												
Design-based F(4.99, 12929.31) =	1.9555	Pr =	0.082										
Total (n=2,604)	3.2	[2.5, 4.1]	16.7	[14.9, 18.6]	10.9	[9.6, 12.4]	48.5	[46.1, 50.9]	16.7	[15.0, 18.6]	4.0	[3.2, 5.1]	100.0

Note: Total n is less than universe N due to item non-response.

2.20 Q: It is very important to me personally to have health insurance.

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)											
Stayed on (n=2,005)	45.6	[42.9, 48.3]	52.5	[49.8, 55.3]	1.4	[0.8, 2.2]	0.4	[0.2, 1.0]	0.0	[0.0, 0.2]	100.0
Off for 6+ months (n=398)	48.4	[42.5, 54.3]	47.0	[41.1, 52.9]	2.1	[1.0, 4.5]	2.5	[1.2, 5.2]	0.0		100.0
Churned off/on (n=203)	41.3	[33.5, 49.7]	55.7	[47.3, 63.7]	2.5	[0.8, 7.7]	0.3	[0.0, 1.8]	0.2	[0.0, 1.7]	100.0
Pearson: Uncorrected chi2(8) =	29.5583										
Design-based F(6.65, 17250.40) =	2.8982	Pr =	0.006								
Age (DW)											
19-34 (n=736)	43.9	[39.9, 48.1]	52.1	[47.9, 56.2]	3.0	[1.9, 4.8]	1.0	[0.4, 2.2]	0.0		100.0
35-50 (n=811)	44.7	[40.6, 48.8]	53.8	[49.6, 57.9]	0.7	[0.3, 1.6]	0.7	[0.3, 1.7]	0.1	[0.0, 0.5]	100.0
51-64 (n=1,059)	49.5	[45.7, 53.3]	49.3	[45.5, 53.1]	0.7	[0.3, 1.6]	0.5	[0.2, 1.1]	0.1	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(8) =	27.4812										
Design-based F(6.92, 17944.83) =	3.2197	Pr =	0.002								
Gender (DW)											
Male (n=1,003)	40.9	[37.3, 44.6]	55.9	[52.1, 59.5]	2.4	[1.4, 3.9]	0.8	[0.4, 1.8]	0.0	[0.0, 0.3]	100.0
Female (n=1,603)	50.1	[47.1, 53.1]	48.3	[45.3, 51.3]	0.9	[0.5, 1.6]	0.7	[0.3, 1.4]	0.1	[0.0, 0.3]	100.0
Pearson: Uncorrected chi2(4) =	28.6509										
Design-based F(3.62, 9378.48) =	5.9349	Pr =	0.000								
Race/ethnicity, detailed (2016)											
White (n=1,695)	49.3	[46.3, 52.3]	47.9	[44.9, 50.9]	1.9	[1.2, 2.9]	0.9	[0.5, 1.8]	0.0		100.0
Black (n=536)	40.5	[35.7, 45.5]	58.3	[53.3, 63.2]	1.1	[0.3, 3.4]	0.1	[0.0, 0.7]	0.1	[0.0, 0.6]	100.0
Hispanic (n=105)	42.1	[31.2, 53.8]	56.4	[44.9, 67.4]	1.1	[0.2, 5.3]	0.0		0.3	[0.0, 2.3]	100.0
Arab/Chaldean (n=106)	41.5	[31.4, 52.4]	56.3	[45.4, 66.6]	1.3	[0.3, 5.3]	0.9	[0.2, 3.5]	0.0		100.0
Other/more than one (n=130)	38.7	[29.1, 49.3]	55.3	[44.7, 65.5]	2.8	[0.8, 8.9]	2.8	[0.9, 8.7]	0.3	[0.0, 2.4]	100.0
Pearson: Uncorrected chi2(16) =	44.1924										
Design-based F(13.29, 34029.43) =	2.1317	Pr =	0.009								
FPL category (DW)											
0-35% (n=1,510)	44.8	[41.7, 47.9]	53.1	[50.0, 56.3]	1.4	[0.8, 2.5]	0.6	[0.3, 1.4]	0.0	[0.0, 0.3]	100.0
36-99% (n=649)	46.5	[41.8, 51.2]	50.7	[46.0, 55.5]	1.9	[1.0, 3.6]	0.9	[0.3, 2.3]	0.1	[0.0, 0.4]	100.0
100%+ (n=447)	47.7	[42.1, 53.4]	49.1	[43.4, 54.7]	2.1	[0.9, 4.7]	1.0	[0.4, 2.5]	0.1	[0.0, 0.9]	100.0
Pearson: Uncorrected chi2(8) =	4.5109										
Design-based F(7.04, 18271.15) =	0.4791	Pr =	0.852								
Region (DW)											
UP/NW/NE (n=488)	46.6	[41.5, 51.8]	50.7	[45.5, 55.8]	1.4	[0.6, 3.1]	1.3	[0.5, 2.9]	0.0		100.0
W/E Central/E (n=821)	44.4	[40.4, 48.4]	52.1	[48.0, 56.1]	2.4	[1.4, 4.2]	1.0	[0.4, 2.6]	0.1	[0.0, 0.5]	100.0
S Central/SW/SE (n=526)	43.0	[38.1, 48.2]	54.0	[48.9, 59.1]	1.7	[0.7, 4.0]	1.3	[0.4, 3.7]	0.0		100.0
Detroit Metro (n=771)	47.3	[43.3, 51.4]	51.2	[47.2, 55.3]	1.1	[0.5, 2.5]	0.3	[0.1, 0.7]	0.1	[0.0, 0.4]	100.0
Pearson: Uncorrected chi2(12) =	14.6341										
Design-based F(9.30, 24117.65) =	1.1436	Pr =	0.327								
Chronic condition (2016, 2017, 2018)											
Yes (n=1,737)	47.5	[44.5, 50.4]	51.2	[48.2, 54.2]	1.0	[0.6, 1.8]	0.3	[0.1, 0.8]	0.0	[0.0, 0.2]	100.0
No (n=869)	42.7	[38.7, 46.7]	53.2	[49.1, 57.1]	2.5	[1.5, 4.3]	1.6	[0.9, 2.8]	0.1	[0.0, 0.4]	100.0
Pearson: Uncorrected chi2(4) =	26.2698										
Design-based F(3.57, 9263.82) =	5.0387	Pr =	0.001								
MH/SUD (2016, 2017, 2018 or DW)											
Yes (n=1,686)	46.9	[43.9, 49.8]	51.6	[48.6, 54.5]	1.0	[0.5, 1.9]	0.6	[0.3, 1.2]	0.0	[0.0, 0.2]	100.0
No (n=920)	43.5	[39.5, 47.5]	52.6	[48.6, 56.6]	2.7	[1.7, 4.4]	1.1	[0.5, 2.2]	0.1	[0.0, 0.4]	100.0
Pearson: Uncorrected chi2(4) =	15.6093										
Design-based F(3.55, 9207.82) =	2.9429	Pr =	0.024								
Total (n=2,606)	45.6	[43.3, 48.0]	52.0	[49.6, 54.3]	1.6	[1.1, 2.4]	0.8	[0.4, 1.3]	0.1	[0.0, 0.2]	100.0

Note: Total n is less than universe N due to item non-response.

2.21 Q: Getting discounts on copays and premiums as a reward for working on improving your health is a good idea.

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)											
Stayed on (n=1,983)	29.8	[27.3, 32.4]	64.5	[61.8, 67.1]	2.7	[2.0, 3.6]	2.8	[2.0, 3.9]	0.2	[0.1, 0.6]	100.0
Off for 6+ months (n=395)	34.4	[28.9, 40.3]	61.3	[55.3, 66.9]	2.8	[1.5, 5.4]	1.2	[0.5, 3.2]	0.3	[0.0, 2.2]	100.0
Churned off/on (n=200)	24.4	[18.1, 32.0]	70.2	[62.1, 77.2]	4.4	[1.9, 9.9]	0.2	[0.0, 1.7]	0.8	[0.2, 3.7]	100.0
Pearson: Uncorrected chi2(8) =	20.9028										
Design-based F(7.44, 19084.73) =	1.9183	Pr =	0.058								
Age (DW)											
19-34 (n=727)	29.1	[25.4, 33.0]	65.3	[61.2, 69.1]	3.8	[2.5, 5.7]	1.6	[0.8, 3.1]	0.3	[0.1, 1.1]	100.0
35-50 (n=804)	30.0	[26.2, 34.0]	63.9	[59.7, 67.8]	2.7	[1.8, 4.2]	3.3	[2.1, 5.1]	0.2	[0.0, 1.2]	100.0
51-64 (n=1,047)	31.6	[28.1, 35.2]	64.3	[60.5, 67.8]	1.7	[1.2, 2.6]	2.0	[1.1, 3.6]	0.4	[0.1, 1.2]	100.0
Pearson: Uncorrected chi2(8) =	13.4651										
Design-based F(7.47, 19167.88) =	1.2554	Pr =	0.265								
Gender (DW)											
Male (n=989)	29.4	[26.1, 33.0]	65.4	[61.7, 68.9]	2.5	[1.6, 3.9]	2.6	[1.6, 4.1]	0.1	[0.0, 0.6]	100.0
Female (n=1,589)	30.6	[27.9, 33.5]	63.7	[60.8, 66.6]	3.2	[2.4, 4.4]	2.0	[1.3, 3.1]	0.4	[0.2, 1.1]	100.0
Pearson: Uncorrected chi2(4) =	4.9924										
Design-based F(3.93, 10086.48) =	0.8673	Pr =	0.481								
Race/ethnicity, detailed (2016)											
White (n=1,678)	30.5	[27.8, 33.4]	63.6	[60.6, 66.4]	3.3	[2.4, 4.6]	2.5	[1.6, 3.8]	0.1	[0.0, 0.3]	100.0
Black (n=531)	31.6	[27.0, 36.5]	63.7	[58.6, 68.4]	2.3	[1.2, 4.3]	1.9	[0.9, 3.7]	0.7	[0.2, 2.0]	100.0
Hispanic (n=103)	25.2	[15.9, 37.3]	70.3	[58.4, 80.0]	2.7	[1.0, 6.8]	1.9	[0.6, 5.8]	0.0		100.0
Arab/Chaldean (n=104)	24.4	[16.4, 34.7]	67.7	[57.0, 76.8]	3.4	[1.2, 8.9]	4.6	[1.7, 11.7]	0.0		100.0
Other/more than one (n=128)	26.5	[18.2, 36.8]	70.2	[60.0, 78.8]	1.8	[0.8, 4.0]	1.1	[0.3, 3.3]	0.5	[0.1, 3.2]	100.0
Pearson: Uncorrected chi2(16) =	19.9495										
Design-based F(13.69, 34673.05) =	0.9704	Pr =	0.480								
FPL category (DW)											
0-35% (n=1,493)	31.0	[28.2, 34.0]	64.2	[61.1, 67.1]	2.7	[1.9, 3.8]	1.8	[1.2, 2.9]	0.3	[0.1, 0.7]	100.0
36-99% (n=640)	27.7	[23.5, 32.2]	65.3	[60.6, 69.8]	3.4	[2.0, 5.7]	3.6	[2.1, 6.1]	0.1	[0.0, 0.4]	100.0
100%+ (n=445)	29.4	[24.4, 34.9]	64.7	[59.1, 70.0]	3.1	[1.7, 5.4]	2.1	[1.0, 4.7]	0.7	[0.2, 2.6]	100.0
Pearson: Uncorrected chi2(8) =	12.2402										
Design-based F(7.34, 18824.81) =	1.2022	Pr =	0.296								
Region (DW)											
UP/NW/NE (n=482)	30.6	[25.9, 35.7]	62.6	[57.4, 67.6]	4.8	[3.1, 7.4]	1.6	[0.6, 3.9]	0.4	[0.1, 1.9]	100.0
W/E Central/E (n=815)	30.4	[26.7, 34.3]	64.1	[60.1, 67.9]	2.7	[1.7, 4.4]	2.4	[1.4, 4.0]	0.4	[0.1, 1.5]	100.0
S Central/SW/SE (n=516)	27.6	[23.2, 32.4]	68.4	[63.4, 73.0]	2.2	[1.1, 4.2]	1.9	[0.9, 3.8]	0.0		100.0
Detroit Metro (n=765)	30.7	[27.0, 34.6]	63.6	[59.6, 67.5]	2.9	[1.8, 4.5]	2.5	[1.5, 4.3]	0.3	[0.1, 1.0]	100.0
Pearson: Uncorrected chi2(12) =	9.4890										
Design-based F(10.97, 28161.83) =	0.6811	Pr =	0.758								
Chronic condition (2016, 2017, 2018)											
Yes (n=1,716)	30.9	[28.2, 33.7]	63.6	[60.7, 66.4]	2.7	[1.9, 3.8]	2.5	[1.7, 3.7]	0.4	[0.1, 0.9]	100.0
No (n=862)	28.6	[25.1, 32.4]	66.0	[62.1, 69.7]	3.2	[2.1, 4.8]	2.0	[1.2, 3.4]	0.2	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(4) =	3.7572										
Design-based F(3.85, 9868.66) =	0.6908	Pr =	0.593								
MH/SUD (2016, 2017, 2018 or DW)											
Yes (n=1,668)	30.7	[28.0, 33.5]	63.7	[60.7, 66.5]	2.6	[1.9, 3.7]	2.7	[1.8, 4.0]	0.3	[0.1, 0.8]	100.0
No (n=910)	28.9	[25.3, 32.8]	66.0	[62.1, 69.8]	3.3	[2.2, 4.9]	1.6	[0.9, 2.7]	0.2	[0.0, 1.1]	100.0
Pearson: Uncorrected chi2(4) =	5.4149										
Design-based F(3.96, 10173.47) =	0.9682	Pr =	0.423								
Total (n=2,578)	30.0	[27.9, 32.3]	64.5	[62.2, 66.8]	2.9	[2.2, 3.7]	2.3	[1.7, 3.2]	0.3	[0.1, 0.6]	100.0

Note: Total n is less than universe N due to item non-response.

2.22 Q: Everyone should have to pay something for their health care.

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)											
Stayed on (n=1,965)	8.0	[6.7, 9.6]	41.3	[38.6, 44.0]	15.0	[13.1, 17.1]	29.9	[27.4, 32.5]	5.9	[4.6, 7.5]	100.0
Off for 6+ months (n=393)	10.1	[7.0, 14.3]	42.7	[36.9, 48.7]	11.0	[7.9, 15.2]	27.9	[22.8, 33.7]	8.3	[5.4, 12.5]	100.0
Churned off/on (n=202)	7.8	[4.4, 13.5]	41.0	[33.0, 49.4]	18.4	[12.5, 26.2]	29.6	[22.4, 37.9]	3.2	[1.6, 6.4]	100.0
Pearson: Uncorrected chi2(8) =	15.4279										
Design-based F(7.79, 19856.40) =	1.1874	Pr =	0.303								
Age (DW)											
19-34 (n=727)	6.4	[4.7, 8.7]	39.5	[35.5, 43.6]	19.3	[16.2, 22.8]	27.8	[24.2, 31.7]	7.0	[5.1, 9.6]	100.0
35-50 (n=801)	9.3	[7.2, 12.1]	41.7	[37.6, 45.8]	11.3	[8.9, 14.2]	33.3	[29.5, 37.4]	4.4	[3.0, 6.6]	100.0
51-64 (n=1,032)	10.1	[7.9, 12.7]	44.3	[40.6, 48.0]	12.1	[9.9, 14.7]	27.0	[23.7, 30.7]	6.5	[4.7, 9.0]	100.0
Pearson: Uncorrected chi2(8) =	47.5062										
Design-based F(7.76, 19759.96) =	3.9551	Pr =	0.000								
Gender (DW)											
Male (n=990)	9.3	[7.3, 11.7]	41.8	[38.2, 45.5]	14.7	[12.2, 17.7]	28.4	[25.1, 31.9]	5.9	[4.3, 8.0]	100.0
Female (n=1,570)	7.5	[6.1, 9.1]	41.2	[38.2, 44.2]	14.6	[12.6, 16.8]	30.6	[27.9, 33.5]	6.1	[4.7, 8.0]	100.0
Pearson: Uncorrected chi2(4) =	3.6624										
Design-based F(3.98, 10134.03) =	0.5728	Pr =	0.681								
Race/ethnicity, detailed (2016)											
White (n=1,661)	8.9	[7.4, 10.7]	43.3	[40.4, 46.3]	16.2	[14.1, 18.6]	25.8	[23.2, 28.6]	5.7	[4.3, 7.5]	100.0
Black (n=528)	5.6	[3.6, 8.4]	37.2	[32.4, 42.3]	9.3	[6.8, 12.7]	39.1	[34.3, 44.2]	8.8	[6.3, 12.2]	100.0
Hispanic (n=103)	13.0	[6.3, 25.1]	51.0	[39.6, 62.3]	15.5	[8.7, 26.2]	17.6	[10.9, 27.2]	2.8	[0.7, 10.8]	100.0
Arab/Chaldean (n=105)	9.9	[5.0, 18.7]	44.4	[33.9, 55.4]	12.2	[6.6, 21.4]	30.2	[21.2, 41.1]	3.3	[1.2, 8.9]	100.0
Other/more than one (n=129)	10.2	[5.1, 19.2]	35.8	[26.5, 46.4]	21.8	[13.6, 33.0]	29.4	[20.8, 39.7]	2.8	[1.1, 6.7]	100.0
Pearson: Uncorrected chi2(16) =	89.2748										
Design-based F(15.50, 38971.63) =	3.2520	Pr =	0.000								
FPL category (DW)											
0-35% (n=1,481)	7.9	[6.4, 9.8]	38.9	[35.9, 42.0]	14.9	[12.7, 17.3]	31.7	[28.9, 34.8]	6.6	[5.1, 8.4]	100.0
36-99% (n=639)	6.9	[5.1, 9.3]	46.0	[41.3, 50.8]	13.8	[10.9, 17.4]	27.9	[23.7, 32.5]	5.4	[3.4, 8.6]	100.0
100%+ (n=440)	12.2	[8.7, 16.8]	45.0	[39.4, 50.7]	15.2	[11.4, 19.8]	23.1	[18.7, 28.1]	4.6	[2.9, 7.3]	100.0
Pearson: Uncorrected chi2(8) =	26.8763										
Design-based F(7.82, 19919.79) =	2.3476	Pr =	0.017								
Region (DW)											
UP/NW/NE (n=474)	11.8	[8.6, 16.0]	43.3	[38.2, 48.5]	16.1	[12.7, 20.2]	24.2	[20.0, 29.0]	4.6	[2.7, 7.7]	100.0
W/E Central/E (n=806)	8.3	[6.4, 10.7]	45.2	[41.1, 49.3]	15.9	[13.1, 19.3]	25.6	[22.2, 29.4]	5.0	[3.4, 7.3]	100.0
S Central/SW/SE (n=520)	5.5	[3.7, 7.9]	38.8	[34.0, 43.9]	14.6	[11.3, 18.8]	34.3	[29.5, 39.3]	6.8	[4.4, 10.3]	100.0
Detroit Metro (n=760)	8.9	[6.8, 11.6]	39.8	[35.9, 43.9]	13.6	[10.9, 16.7]	31.1	[27.4, 35.0]	6.6	[4.8, 9.0]	100.0
Pearson: Uncorrected chi2(12) =	28.2821										
Design-based F(10.90, 27785.12) =	1.8708	Pr =	0.039								
Chronic condition (2016, 2017, 2018)											
Yes (n=1,706)	8.1	[6.6, 9.8]	40.8	[37.9, 43.7]	14.6	[12.6, 16.9]	30.8	[28.1, 33.7]	5.7	[4.5, 7.4]	100.0
No (n=854)	8.8	[6.8, 11.3]	42.6	[38.7, 46.6]	14.8	[12.1, 17.9]	27.4	[24.0, 31.2]	6.4	[4.6, 8.9]	100.0
Pearson: Uncorrected chi2(4) =	3.6666										
Design-based F(3.98, 10145.89) =	0.5561	Pr =	0.694								
MH/SUD (2016, 2017, 2018 or DW)											
Yes (n=1,660)	7.2	[5.8, 8.8]	40.7	[37.9, 43.7]	14.9	[12.9, 17.2]	30.7	[27.9, 33.5]	6.5	[5.1, 8.2]	100.0
No (n=900)	10.3	[8.1, 13.1]	42.7	[38.8, 46.8]	14.2	[11.6, 17.3]	27.6	[24.1, 31.3]	5.1	[3.4, 7.6]	100.0
Pearson: Uncorrected chi2(4) =	11.6462										
Design-based F(3.96, 10088.96) =	1.7558	Pr =	0.135								
Total (n=2,560)	8.4	[7.1, 9.8]	41.5	[39.1, 43.8]	14.7	[13.0, 16.5]	29.5	[27.4, 31.8]	6.0	[4.9, 7.3]	100.0

Note: Total n is less than universe N due to item non-response.

- 3 Aim 3: To understand financial and non-financial barriers and facilitators to care and how those change over time of enrollment and disenrollment.**

3.1 Q: In the last 12 months/since your Healthy Michigan Plan insurance ended, was there any time when you didn't get the health care you needed?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Forgone health care in the last 12 months/since HMP coverage ended				Total Row %
	Yes		No		
	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=2,006)	8.3	[6.8, 10.0]	91.7	[90.0, 93.2]	100.0
Off for 6+ months (n=398)	20.7	[16.2, 26.0]	79.3	[74.0, 83.8]	100.0
Churned off/on (n=203)	14.1	[9.3, 20.7]	85.9	[79.3, 90.7]	100.0
Pearson: Uncorrected chi2(2) =	57.9373				
Design-based F(2.00, 5182.85) =	17.3261	Pr =	0.000		
Age (DW)					
19-34 (n=736)	10.8	[8.4, 13.7]	89.2	[86.3, 91.6]	100.0
35-50 (n=812)	11.7	[9.3, 14.7]	88.3	[85.3, 90.7]	100.0
51-64 (n=1,059)	9.7	[7.6, 12.4]	90.3	[87.6, 92.4]	100.0
Pearson: Uncorrected chi2(2) =	1.6138				
Design-based F(1.95, 5064.78) =	0.5247	Pr =	0.587		
Gender (DW)					
Male (n=1,003)	10.2	[8.0, 12.8]	89.8	[87.2, 92.0]	100.0
Female (n=1,604)	11.4	[9.6, 13.5]	88.6	[86.5, 90.4]	100.0
Pearson: Uncorrected chi2(1) =	1.0523				
Design-based F(1.00, 2595.00) =	0.6174	Pr =	0.432		
Race/ethnicity, detailed (2016)					
White (n=1,696)	11.3	[9.5, 13.4]	88.7	[86.6, 90.5]	100.0
Black (n=537)	8.7	[6.3, 12.0]	91.3	[88.0, 93.7]	100.0
Hispanic (n=104)	8.8	[4.0, 18.4]	91.2	[81.6, 96.0]	100.0
Arab/Chaldean (n=106)	11.9	[6.1, 21.8]	88.1	[78.2, 93.9]	100.0
Other/more than one (n=130)	16.4	[9.8, 26.2]	83.6	[73.8, 90.2]	100.0
Pearson: Uncorrected chi2(4) =	9.2568				
Design-based F(3.96, 10134.15) =	1.2268	Pr =	0.297		
FPL category (DW)					
0-35% (n=1,512)	12.1	[10.1, 14.4]	87.9	[85.6, 89.9]	100.0
36-99% (n=648)	9.1	[6.7, 12.1]	90.9	[87.9, 93.3]	100.0
100%+ (n=447)	8.4	[5.7, 12.2]	91.6	[87.8, 94.3]	100.0
Pearson: Uncorrected chi2(2) =	7.1451				
Design-based F(2.00, 5180.23) =	2.5140	Pr =	0.081		
Region (DW)					
UP/NW/NE (n=488)	9.0	[6.4, 12.4]	91.0	[87.6, 93.6]	100.0
W/E Central/E (n=821)	10.0	[7.6, 12.9]	90.0	[87.1, 92.4]	100.0
S Central/SW/SE (n=526)	13.1	[10.0, 17.0]	86.9	[83.0, 90.0]	100.0
Detroit Metro (n=772)	10.8	[8.5, 13.7]	89.2	[86.3, 91.5]	100.0
Pearson: Uncorrected chi2(3) =	4.0225				
Design-based F(2.70, 6994.64) =	1.0358	Pr =	0.371		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,738)	12.3	[10.5, 14.4]	87.7	[85.6, 89.5]	100.0
No (n=869)	8.4	[6.4, 11.1]	91.6	[88.9, 93.6]	100.0
Pearson: Uncorrected chi2(1) =	9.5205				
Design-based F(1.00, 2595.00) =	5.4080	Pr =	0.020		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,688)	12.5	[10.6, 14.6]	87.5	[85.4, 89.4]	100.0
No (n=919)	7.9	[5.9, 10.6]	92.1	[89.4, 94.1]	100.0
Pearson: Uncorrected chi2(1) =	13.1477				
Design-based F(1.00, 2595.00) =	7.5164	Pr =	0.006		
Total (n=2,607)	10.8	[9.4, 12.5]	89.2	[87.5, 90.6]	100.0

Note: Total n is less than universe N due to item non-response.

3.1.1 Q: What type of care?

Follow-up group(s): Enrolled

Universe: Respondents who did not receive health care they needed in the last 12 months (N=91)

Type of forgone care	Weighted Proportion	95% CI
Primary care (n=34)	42.0	[29.4, 55.6]
Specialist care (n=34)	30.9	[20.5, 43.7]
Prescription medication (n=20)	22.3	[13.1, 35.3]
Mental health care (n=4)	5.9	[1.8, 17.4]
Surgery or procedure (n=4)	3.2	[0.8, 11.4]
Lab/imaging test (n=3)	1.4	[0.4, 4.5]
Support services (PT, OT, ST, DME) (n=1)	1.0	[0.1, 7.2]

Note: Respondents were able to provide multiple responses.

3.1.2 Q: What type of care?

Follow-up group(s): Not Enrolled

Universe: Respondents who did not receive health care they needed since their HMP coverage ended/in the past 12 months (N=170)

Type of forgone care	Weighted Proportion	95% CI
Primary care (n=92)	56.1	[46.7, 65.1]
Specialist care (n=48)	27.2	[19.8, 36.1]
Prescription medication (n=34)	23.3	[16.3, 32.1]
Mental health care (n=15)	11.2	[6.3, 19.1]
Lab/imaging test (n=12)	7.8	[3.8, 15.2]
Other (n=7)	2.6	[1.1, 6.1]
Surgery or procedure (n=3)	1.6	[0.5, 5.3]
Support services (PT, OT, ST, DME) (n=3)	1.4	[0.4, 4.5]

Note: Respondents were able to provide multiple responses.

3.1.3 Q: Why didn't you get the care you needed?

Follow-up group(s): Enrolled

Universe: Respondents who did not receive health care they needed in the last 12 months (N=91)

Reasons for forgone care in last 12 months	Weighted Proportion	95% CI
Difficulty/inability finding a provider (n=24)	26.2	[16.0, 39.8]
Cost-insurance plan wouldn't cover services needed (n=25)	25.9	[16.3, 38.5]
Difficulty getting appointment (n=19)	15.6	[9.1, 25.3]
Other (n=14)	14.1	[6.9, 26.5]
Transportation/logistics (n=8)	11.2	[4.8, 23.7]
Didn't get around to it (n=6)	6.7	[2.5, 17.2]
Disenrolled/declared ineligible but don't know why (n=4)	6.3	[2.0, 18.1]

Note: Respondents were able to provide multiple responses.

3.1.4 Q: Why didn't you get the care you needed?

Follow-up group(s): Not Enrolled

Universe: Respondents who did not receive health care they needed since their HMP coverage ended/in the past 12 months (N=170)

Reasons for forgone care since HMP ended/in the past 12 months	Weighted Proportion	95% CI
Cost-no insurance coverage (n=93)	57.5	[48.4, 66.1]
Difficulty/inability finding a provider (n=22)	14.3	[8.8, 22.4]
Difficulty getting appointment (n=17)	11.7	[6.8, 19.3]
Cost-insurance plan wouldn't cover services needed (n=24)	10.1	[6.5, 15.2]
Other (n=9)	5.5	[2.3, 12.2]
Transportation/logistics (n=12)	4.7	[2.1, 9.8]
Didn't get around to it (n=1)	1.6	[0.2, 10.7]

Note: Respondents were able to provide multiple responses.

3.2 Q: In the last 12 months/since your Healthy Michigan Plan insurance ended, was there any time when you didn't get the dental care you needed?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Forgone dental care in last 12 months/since HMP coverage ended				Total Row %
	Yes		No		
	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=2,006)	19.7	[17.6, 21.9]	80.3	[78.1, 82.4]	100.0
Off for 6+ months (n=398)	24.6	[20.1, 29.8]	75.4	[70.2, 79.9]	100.0
Churned off/on (n=203)	22.3	[16.0, 30.3]	77.7	[69.7, 84.0]	100.0
Pearson: Uncorrected chi2(2) =	5.6342				
Design-based F(1.96, 5075.04) =	1.6956	Pr =	0.184		
Age (DW)					
19-34 (n=736)	19.1	[16.1, 22.5]	80.9	[77.5, 83.9]	100.0
35-50 (n=811)	22.4	[19.1, 26.0]	77.6	[74.0, 80.9]	100.0
51-64 (n=1,060)	21.0	[18.1, 24.3]	79.0	[75.7, 81.9]	100.0
Pearson: Uncorrected chi2(2) =	3.2483				
Design-based F(1.94, 5027.04) =	1.1233	Pr =	0.324		
Gender (DW)					
Male (n=1,004)	15.4	[13.0, 18.3]	84.6	[81.7, 87.0]	100.0
Female (n=1,603)	25.7	[23.1, 28.5]	74.3	[71.5, 76.9]	100.0
Pearson: Uncorrected chi2(1) =	41.6132				
Design-based F(1.00, 2595.00) =	25.7948	Pr =	0.000		
Race/ethnicity, detailed (2016)					
White (n=1,695)	21.8	[19.5, 24.4]	78.2	[75.6, 80.5]	100.0
Black (n=537)	17.5	[14.0, 21.6]	82.5	[78.4, 86.0]	100.0
Hispanic (n=105)	21.1	[13.2, 32.1]	78.9	[67.9, 86.8]	100.0
Arab/Chaldean (n=106)	21.3	[13.5, 32.0]	78.7	[68.0, 86.5]	100.0
Other/more than one (n=130)	23.8	[16.0, 33.9]	76.2	[66.1, 84.0]	100.0
Pearson: Uncorrected chi2(4) =	6.4759				
Design-based F(3.96, 10148.22) =	0.9202	Pr =	0.450		
FPL category (DW)					
0-35% (n=1,511)	20.7	[18.3, 23.3]	79.3	[76.7, 81.7]	100.0
36-99% (n=649)	21.2	[17.6, 25.3]	78.8	[74.7, 82.4]	100.0
100%+ (n=447)	19.9	[15.7, 25.0]	80.1	[75.0, 84.3]	100.0
Pearson: Uncorrected chi2(2) =	0.2471				
Design-based F(2.00, 5186.54) =	0.0856	Pr =	0.918		
Region (DW)					
UP/NW/NE (n=488)	20.6	[16.6, 25.3]	79.4	[74.7, 83.4]	100.0
W/E Central/E (n=821)	19.9	[16.9, 23.4]	80.1	[76.6, 83.1]	100.0
S Central/SW/SE (n=526)	20.7	[16.8, 25.2]	79.3	[74.8, 83.2]	100.0
Detroit Metro (n=772)	21.2	[18.2, 24.7]	78.8	[75.3, 81.8]	100.0
Pearson: Uncorrected chi2(3) =	0.4777				
Design-based F(2.78, 7223.37) =	0.1281	Pr =	0.934		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,739)	22.2	[19.9, 24.8]	77.8	[75.2, 80.1]	100.0
No (n=868)	18.2	[15.4, 21.4]	81.8	[78.6, 84.6]	100.0
Pearson: Uncorrected chi2(1) =	6.0221				
Design-based F(1.00, 2595.00) =	3.9167	Pr =	0.048		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,687)	22.6	[20.3, 25.2]	77.4	[74.8, 79.7]	100.0
No (n=920)	17.4	[14.6, 20.6]	82.6	[79.4, 85.4]	100.0
Pearson: Uncorrected chi2(1) =	10.0993				
Design-based F(1.00, 2595.00) =	6.5031	Pr =	0.011		
Total (n=2,607)	20.7	[18.9, 22.7]	79.3	[77.3, 81.1]	100.0

Note: Total n is less than universe N due to item non-response.

3.2.1 Q: Why didn't you get the dental care you needed?

Follow-up group(s): Enrolled

Universe: Respondents who did not receive dental care they needed in the last 12 months (N=305)

Reasons for forgone dental in the last 12 months	Weighted Proportion	95% CI
Difficulty/inability finding a provider (n=113)	33.9	[27.7, 40.6]
Cost-insurance plan wouldn't cover services needed (n=89)	33.1	[26.6, 40.2]
Didn't get around to it (n=35)	13.2	[8.9, 19.2]
Difficulty getting appointment (n=35)	10.5	[7.2, 15.2]
Transportation/logistics (n=17)	5.1	[2.8, 9.1]
Other (n=11)	3.4	[1.6, 7.0]
Cost-no insurance (n=10)	3.3	[1.6, 6.7]
Afraid of going to dentist/dislike dentists (n=11)	2.3	[1.2, 4.4]
Didn't realize HMP covered dental (n=7)	1.7	[0.6, 4.3]
Disenrolled/declared ineligible but don't know why (n=3)	0.6	[0.2, 1.9]

Note: Respondents were able to provide multiple responses.

3.2.2 Q: Why didn't you get the dental care you needed?

Follow-up group(s): Not Enrolled

Universe: Respondents who did not receive dental care they needed since their HMP coverage ended/in the past 12 months (N=241)

Reasons for forgone dental since HMP coverage ended/in the past 12 months	Weighted Proportion	95% CI
Cost-no insurance coverage (n=138)	60.4	[52.6, 67.6]
Cost-insurance plan wouldn't cover services needed (n=66)	22.3	[17.0, 28.7]
Difficulty/inability finding a provider (n=23)	13.1	[8.3, 19.9]
Didn't get around to it (n=8)	2.8	[1.2, 6.0]
Difficulty getting appointment (n=8)	2.6	[1.1, 6.0]
Transportation/logistics (n=2)	1.2	[0.2, 6.2]
Afraid of going to the dentist/dislike dentist (n=2)	0.4	[0.1, 1.8]
Disenrolled/declared ineligible but don't know why (n=1)	0.1	[0.0, 0.9]

Note: Respondents were able to provide multiple responses.

3.3 Q: In the last 12 months, about how much did you spend out-of-pocket for your own medical and dental care?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Less than \$50		\$51-100		Out-of-pocket costs in last 12 months \$101-500		\$501-2000		More than \$2000		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)											
Stayed on (n=1,974)	64.1	[61.5, 66.7]	9.6	[8.2, 11.3]	19.0	[17.0, 21.2]	5.6	[4.5, 7.1]	1.6	[1.0, 2.5]	100.0
Off for 6+ months (n=398)	25.0	[20.0, 30.7]	8.4	[5.6, 12.5]	36.0	[30.5, 41.8]	22.3	[17.8, 27.5]	8.4	[5.8, 11.9]	100.0
Churned off/on (n=198)	60.3	[51.8, 68.2]	11.5	[6.9, 18.6]	13.7	[9.4, 19.5]	9.9	[5.8, 16.2]	4.7	[2.2, 9.8]	100.0
Pearson: Uncorrected chi2(8) = Design-based F(7.88, 20164.33) =	312.6066 23.6790	Pr =	0.000								
Age (DW)											
19-34 (n=721)	58.1	[54.0, 62.1]	9.7	[7.5, 12.4]	19.5	[16.6, 22.9]	9.8	[7.5, 12.6]	2.9	[1.8, 4.7]	100.0
35-50 (n=797)	56.6	[52.4, 60.6]	9.1	[7.0, 11.7]	23.1	[19.8, 26.8]	8.2	[6.2, 10.7]	3.1	[1.9, 4.9]	100.0
51-64 (n=1,052)	57.5	[53.8, 61.1]	10.2	[8.2, 12.6]	21.5	[18.6, 24.6]	8.0	[6.4, 10.0]	2.9	[1.9, 4.4]	100.0
Pearson: Uncorrected chi2(8) = Design-based F(7.66, 19597.67) =	5.5498 0.4937	Pr =	0.855								
Gender (DW)											
Male (n=985)	60.0	[56.3, 63.6]	10.3	[8.2, 12.8]	19.8	[17.1, 22.9]	7.6	[5.8, 9.9]	2.4	[1.5, 3.7]	100.0
Female (n=1,585)	55.0	[52.0, 57.9]	9.0	[7.5, 10.7]	22.6	[20.2, 25.3]	9.9	[8.3, 11.8]	3.5	[2.5, 4.9]	100.0
Pearson: Uncorrected chi2(4) = Design-based F(3.99, 10213.09) =	13.1592 2.1292	Pr =	0.075								
Race/ethnicity, detailed (2016)											
White (n=1,673)	52.0	[49.1, 55.0]	9.9	[8.3, 11.8]	24.1	[21.7, 26.7]	10.0	[8.4, 12.0]	3.9	[2.9, 5.3]	100.0
Black (n=527)	73.7	[69.1, 77.9]	7.3	[5.0, 10.5]	14.4	[11.3, 18.2]	4.2	[2.6, 6.7]	0.4	[0.1, 1.7]	100.0
Hispanic (n=103)	51.6	[40.2, 62.8]	12.7	[6.7, 22.8]	23.4	[15.4, 34.0]	11.5	[5.7, 21.8]	0.7	[0.2, 3.1]	100.0
Arab/Chaldean (n=105)	47.2	[36.5, 58.2]	10.5	[5.9, 18.1]	23.1	[15.3, 33.4]	12.4	[7.0, 21.0]	6.8	[3.0, 15.0]	100.0
Other/more than one (n=129)	53.2	[42.5, 63.6]	13.3	[7.4, 22.8]	22.3	[14.4, 32.7]	9.7	[4.8, 18.6]	1.5	[0.5, 4.3]	100.0
Pearson: Uncorrected chi2(16) = Design-based F(14.97, 37803.15) =	124.0216 4.9010	Pr =	0.000								
FPL category (DW)											
0-35% (n=1,495)	60.6	[57.5, 63.5]	9.2	[7.5, 11.2]	18.7	[16.4, 21.3]	8.4	[6.8, 10.2]	3.2	[2.3, 4.5]	100.0
36-99% (n=637)	57.0	[52.2, 61.7]	8.7	[6.5, 11.5]	22.7	[18.9, 26.9]	9.1	[6.6, 12.6]	2.5	[1.3, 4.6]	100.0
100%+ (n=438)	45.1	[39.4, 50.9]	12.8	[9.5, 17.1]	29.6	[24.9, 34.9]	9.8	[6.9, 13.9]	2.7	[1.2, 5.5]	100.0
Pearson: Uncorrected chi2(8) = Design-based F(7.94, 20321.49) =	38.2370 3.3265	Pr =	0.001								
Region (DW)											
UP/NW/NE (n=482)	50.7	[45.5, 55.8]	8.2	[6.0, 11.3]	26.8	[22.4, 31.6]	10.8	[8.1, 14.4]	3.5	[2.1, 5.8]	100.0
W/E Central/E (n=808)	55.9	[52.0, 59.8]	9.2	[7.2, 11.7]	22.5	[19.3, 26.0]	9.7	[7.4, 12.5]	2.7	[1.6, 4.5]	100.0
S Central/SW/SE (n=522)	54.6	[49.6, 59.6]	10.3	[7.6, 13.6]	22.5	[18.5, 27.1]	9.2	[6.5, 12.8]	3.4	[2.1, 5.5]	100.0
Detroit Metro (n=758)	60.9	[56.9, 64.7]	9.8	[7.6, 12.6]	18.9	[16.0, 22.2]	7.6	[5.7, 10.0]	2.8	[1.7, 4.6]	100.0
Pearson: Uncorrected chi2(12) = Design-based F(10.75, 27490.21) =	17.7933 1.2387	Pr =	0.256								
Chronic condition (2016, 2017, 2018)											
Yes (n=1,714)	58.7	[55.8, 61.6]	9.2	[7.6, 11.0]	20.7	[18.5, 23.2]	8.1	[6.6, 9.8]	3.3	[2.3, 4.6]	100.0
No (n=856)	55.3	[51.3, 59.2]	10.2	[8.1, 12.9]	22.2	[19.1, 25.6]	9.9	[7.7, 12.5]	2.4	[1.5, 3.9]	100.0
Pearson: Uncorrected chi2(4) = Design-based F(4.00, 10223.66) =	6.2447 1.0254	Pr =	0.392								
MH/SUD (2016, 2017, 2018 or DW)											
Yes (n=1,658)	58.6	[55.7, 61.5]	8.8	[7.3, 10.6]	20.1	[17.9, 22.5]	8.7	[7.2, 10.6]	3.7	[2.7, 5.1]	100.0
No (n=912)	55.3	[51.3, 59.2]	10.9	[8.6, 13.7]	23.3	[20.1, 26.9]	8.8	[6.8, 11.4]	1.7	[1.0, 2.8]	100.0
Pearson: Uncorrected chi2(4) = Design-based F(3.95, 10114.01) =	14.7773 2.5535	Pr =	0.038								
Total (n=2,570)	57.4	[55.1, 59.7]	9.6	[8.3, 11.1]	21.3	[19.4, 23.2]	8.8	[7.5, 10.2]	3.0	[2.2, 3.9]	100.0

Note: Total n is less than universe N due to item non-response.

3.4 Q: Since your Healthy Michigan Plan insurance ended/in the past 12 months, have you had to change any of your providers?

Follow-up group(s): Not Enrolled

Universe: All respondents (N=986)

	Changed providers since HMP coverage ended				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=507)	17.2	[13.7, 21.4]	82.8	[78.6, 86.3]	100.0
Off for 6+ months (n=392)	22.6	[18.1, 27.9]	77.4	[72.1, 81.9]	100.0
Churned off/on (n=77)	32.7	[20.9, 47.1]	67.3	[52.9, 79.1]	100.0
Pearson: Uncorrected chi2(2) =	12.6829				
Design-based F(1.94, 1874.39) =	3.8636	Pr =	0.022		
Age (DW)					
19-34 (n=300)	24.3	[19.2, 30.2]	75.7	[69.8, 80.8]	100.0
35-50 (n=296)	17.5	[13.1, 23.0]	82.5	[77.0, 86.9]	100.0
51-64 (n=380)	20.2	[15.5, 25.8]	79.8	[74.2, 84.5]	100.0
Pearson: Uncorrected chi2(2) =	5.1154				
Design-based F(1.97, 1894.30) =	1.8595	Pr =	0.157		
Gender (DW)					
Male (n=379)	17.2	[13.1, 22.2]	82.8	[77.8, 86.9]	100.0
Female (n=597)	24.4	[20.4, 28.9]	75.6	[71.1, 79.6]	100.0
Pearson: Uncorrected chi2(1) =	7.6734				
Design-based F(1.00, 964.00) =	4.9440	Pr =	0.026		
Race/ethnicity, detailed (2016)					
White (n=628)	20.8	[17.3, 25.0]	79.2	[75.0, 82.7]	100.0
Black (n=201)	19.3	[13.7, 26.4]	80.7	[73.6, 86.3]	100.0
Hispanic (n=45)	26.7	[14.1, 44.7]	73.3	[55.3, 85.9]	100.0
Arab/Chaldean (n=35)	27.1	[13.0, 48.0]	72.9	[52.0, 87.0]	100.0
Other/more than one (n=52)	22.2	[11.4, 38.8]	77.8	[61.2, 88.6]	100.0
Pearson: Uncorrected chi2(4) =	2.5538				
Design-based F(3.95, 3753.20) =	0.3769	Pr =	0.823		
FPL category (DW)					
0-35% (n=706)	19.7	[16.3, 23.5]	80.3	[76.5, 83.7]	100.0
36-99% (n=171)	19.7	[13.7, 27.6]	80.3	[72.4, 86.3]	100.0
100%+ (n=99)	32.4	[22.6, 44.1]	67.6	[55.9, 77.4]	100.0
Pearson: Uncorrected chi2(2) =	8.6347				
Design-based F(2.00, 1926.45) =	3.1804	Pr =	0.042		
Region (DW)					
UP/NW/NE (n=190)	24.1	[17.5, 32.3]	75.9	[67.7, 82.5]	100.0
W/E Central/E (n=280)	19.0	[14.2, 25.0]	81.0	[75.0, 85.8]	100.0
S Central/SW/SE (n=205)	23.8	[17.6, 31.3]	76.2	[68.7, 82.4]	100.0
Detroit Metro (n=301)	20.2	[15.5, 25.9]	79.8	[74.1, 84.5]	100.0
Pearson: Uncorrected chi2(3) =	2.2570				
Design-based F(2.82, 2714.07) =	0.6070	Pr =	0.600		
Chronic condition (2016, 2017, 2018)					
Yes (n=638)	22.0	[18.3, 26.2]	78.0	[73.8, 81.7]	100.0
No (n=338)	19.4	[15.0, 24.8]	80.6	[75.2, 85.0]	100.0
Pearson: Uncorrected chi2(1) =	0.9551				
Design-based F(1.00, 964.00) =	0.6368	Pr =	0.425		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=628)	22.0	[18.4, 26.1]	78.0	[73.9, 81.6]	100.0
No (n=348)	19.2	[14.5, 25.0]	80.8	[75.0, 85.5]	100.0
Pearson: Uncorrected chi2(1) =	1.1040				
Design-based F(1.00, 964.00) =	0.7011	Pr =	0.403		
Total (n=976)	21.0	[18.0, 24.2]	79.0	[75.8, 82.0]	100.0

Note: Total n is less than universe N due to item non-response.

3.4.1 Q: Which providers did you have to change?

Follow-up group(s): Not Enrolled

Universe: Respondents who had to change providers since their HMP coverage ended/in the past 12 months (N=206)

Which providers did you have to change?	Weighted Proportion	95% CI
Primary care provider (n=164)	80.9	[73.6, 86.5]
Dentist (n=39)	22.9	[16.4, 31.0]
Specialist (n=38)	18.8	[13.1, 26.2]
Other (n=14)	5.2	[2.6, 10.0]
Mental health provider (n=9)	4.8	[2.3, 9.9]

Note: Respondents were able to provide multiple responses.

3.5 Q: Would you say that your ability to get primary care now is better, worse, or about the same compared to when you had Healthy Michigan Plan insurance?

Follow-up group(s): Not Enrolled
 Universe: All respondents (N=986)

	Better		Worse		Ability to get primary care since HMP coverage ended About the same		Don't know		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)									
Stayed on (n=509)	14.0	[10.7, 18.1]	15.5	[11.7, 20.1]	65.5	[60.2, 70.5]	5.0	[3.0, 8.3]	100.0
Off for 6+ months (n=395)	13.0	[9.2, 17.9]	24.6	[19.9, 29.9]	58.8	[52.9, 64.6]	3.6	[2.1, 6.2]	100.0
Churned off/on (n=78)	6.7	[2.1, 19.1]	27.6	[16.9, 41.7]	57.6	[43.5, 70.5]	8.2	[2.9, 21.3]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.83, 5652.98) =	20.4535 1.9077	Pr =	0.078						
Age (DW)									
19-34 (n=302)	12.3	[8.6, 17.3]	19.7	[15.1, 25.1]	61.8	[55.3, 67.8]	6.3	[3.7, 10.4]	100.0
35-50 (n=295)	14.9	[10.6, 20.6]	21.6	[16.3, 28.0]	58.8	[51.9, 65.4]	4.7	[2.5, 8.7]	100.0
51-64 (n=385)	11.1	[7.6, 15.9]	20.2	[15.3, 26.2]	66.3	[60.0, 72.2]	2.4	[1.3, 4.5]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.67, 5501.55) =	8.3148 0.9772	Pr =	0.436						
Gender (DW)									
Male (n=382)	14.4	[10.6, 19.2]	20.5	[16.1, 25.7]	59.9	[53.9, 65.6]	5.2	[3.2, 8.5]	100.0
Female (n=600)	11.4	[8.6, 15.0]	20.4	[16.6, 24.9]	63.9	[58.9, 68.5]	4.3	[2.6, 7.2]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(3.00, 2907.47) =	2.7087 0.5717	Pr =	0.634						
Race/ethnicity, detailed (2016)									
White (n=632)	10.4	[7.8, 13.7]	21.8	[18.0, 26.2]	63.8	[59.0, 68.4]	4.0	[2.4, 6.5]	100.0
Black (n=202)	21.3	[15.1, 29.2]	19.8	[14.0, 27.2]	55.9	[47.7, 63.9]	3.0	[1.4, 6.1]	100.0
Hispanic (n=45)	10.8	[4.1, 25.5]	14.7	[5.6, 33.2]	68.9	[50.1, 83.0]	5.7	[0.8, 30.6]	100.0
Arab / Chaldean (n=35)	6.8	[1.7, 24.1]	21.4	[10.1, 39.8]	54.2	[35.6, 71.8]	17.5	[6.6, 38.7]	100.0
Other / more than one (n=53)	5.9	[2.1, 15.7]	17.2	[7.8, 33.6]	67.3	[50.5, 80.6]	9.6	[3.3, 25.2]	100.0
Pearson: Uncorrected chi2(12) = Design-based F(11.30, 10788.42) =	46.2961 2.3007	Pr =	0.008						
FPL category (DW)									
0-35% (n=710)	13.8	[10.8, 17.3]	21.1	[17.5, 25.2]	61.6	[56.9, 66.0]	3.6	[2.2, 5.7]	100.0
36-99% (n=173)	9.4	[5.6, 15.3]	16.5	[10.9, 24.2]	64.4	[55.4, 72.4]	9.7	[5.2, 17.5]	100.0
100%+ (n=99)	12.0	[5.9, 22.7]	22.1	[14.6, 32.0]	60.9	[49.6, 71.1]	5.1	[1.8, 13.1]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.89, 5714.10) =	14.5880 1.7416	Pr =	0.109						
Region (DW)									
UP/NW/NE (n=191)	6.2	[3.3, 11.3]	19.9	[13.9, 27.6]	70.7	[62.6, 77.7]	3.3	[1.6, 6.7]	100.0
W/E Central/E (n=282)	13.6	[9.3, 19.6]	15.9	[11.8, 21.1]	63.4	[56.5, 69.9]	7.0	[3.9, 12.4]	100.0
S Central/SW/SE (n=206)	12.6	[7.8, 19.8]	22.5	[16.3, 30.2]	62.4	[54.0, 70.1]	2.5	[1.1, 5.5]	100.0
Detroit Metro (n=303)	13.9	[10.1, 18.9]	22.5	[17.4, 28.7]	58.9	[52.3, 65.2]	4.6	[2.5, 8.3]	100.0
Pearson: Uncorrected chi2(9) = Design-based F(7.86, 7621.36) =	15.2290 1.4100	Pr =	0.188						
Chronic condition (2016, 2017, 2018)									
Yes (n=643)	11.9	[9.0, 15.5]	21.4	[17.7, 25.7]	61.3	[56.4, 66.0]	5.4	[3.5, 8.3]	100.0
No (n=339)	14.3	[10.4, 19.5]	18.9	[14.4, 24.5]	63.0	[56.6, 68.9]	3.7	[2.0, 7.0]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(3.00, 2909.15) =	3.2875 0.6843	Pr =	0.562						
MH/SUD (2016, 2017, 2018 or DW)									
Yes (n=631)	11.3	[8.5, 14.8]	20.8	[17.1, 25.0]	62.3	[57.4, 66.9]	5.7	[3.7, 8.6]	100.0
No (n=351)	15.4	[11.3, 20.6]	19.9	[15.2, 25.6]	61.5	[55.1, 67.5]	3.2	[1.6, 6.4]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(3.00, 2909.16) =	6.1017 1.2759	Pr =	0.281						
Total (n=982)	12.8	[10.4, 15.7]	20.4	[17.5, 23.8]	62.0	[58.1, 65.7]	4.7	[3.3, 6.8]	100.0

Note: Total n is less than universe N due to item non-response.

3.6 Q: Would you say that your ability to get specialist care now is better, worse, or about the same compared to when you had Healthy Michigan Plan insurance?

Follow-up group(s): Not Enrolled
 Universe: All respondents (N=986)

	Better		Worse		Ability to get specialist care since HMP coverage ended About the same		Don't know		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)									
Stayed on (n=509)	16.1	[12.5, 20.5]	14.4	[10.9, 18.8]	52.4	[47.0, 57.7]	17.1	[13.6, 21.3]	100.0
Off for 6+ months (n=394)	13.2	[9.7, 17.7]	24.5	[19.8, 29.9]	42.6	[36.8, 48.7]	19.7	[15.5, 24.7]	100.0
Churned off/on (n=78)	5.2	[1.5, 16.6]	29.0	[18.0, 43.1]	45.1	[32.1, 58.7]	20.8	[11.9, 33.7]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.89, 5707.66) =	28.1496 2.8022	Pr =	0.011						
Age (DW)									
19-34 (n=302)	15.1	[11.1, 20.3]	19.8	[15.2, 25.4]	46.2	[39.8, 52.7]	18.9	[14.5, 24.2]	100.0
35-50 (n=294)	11.0	[7.5, 15.8]	22.3	[17.0, 28.7]	47.9	[41.1, 54.7]	18.9	[14.2, 24.5]	100.0
51-64 (n=385)	15.5	[11.2, 21.0]	17.4	[13.1, 22.7]	49.6	[43.3, 55.9]	17.5	[13.4, 22.5]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.85, 5668.92) =	5.2254 0.6205	Pr =	0.710						
Gender (DW)									
Male (n=381)	13.9	[10.2, 18.5]	18.5	[14.2, 23.7]	48.6	[42.6, 54.6]	19.1	[14.9, 24.0]	100.0
Female (n=600)	13.8	[10.8, 17.6]	21.4	[17.6, 25.8]	46.7	[41.9, 51.6]	18.0	[14.7, 22.0]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.99, 2899.83) =	1.4054 0.3094	Pr =	0.818						
Race/ethnicity, detailed (2016)									
White (n=632)	10.7	[8.2, 13.8]	22.0	[18.2, 26.3]	46.7	[41.9, 51.6]	20.6	[17.0, 24.7]	100.0
Black (n=202)	18.3	[12.6, 25.9]	21.0	[14.9, 28.6]	46.8	[38.8, 55.0]	13.9	[9.6, 19.8]	100.0
Hispanic (n=45)	30.5	[17.3, 48.0]	20.3	[8.8, 40.4]	39.0	[24.2, 56.1]	10.1	[3.1, 28.7]	100.0
Arab / Chaldean (n=35)	11.2	[3.6, 29.9]	7.5	[2.5, 20.0]	59.4	[40.4, 76.0]	22.0	[9.7, 42.3]	100.0
Other / more than one (n=52)	11.2	[4.6, 24.5]	10.9	[3.9, 27.2]	51.6	[35.2, 67.7]	26.3	[14.6, 42.6]	100.0
Pearson: Uncorrected chi2(12) = Design-based F(11.65, 11109.74) =	36.3177 1.8646	Pr =	0.035						
FPL category (DW)									
0-35% (n=709)	13.2	[10.4, 16.6]	19.1	[15.7, 23.1]	49.2	[44.6, 53.8]	18.4	[15.2, 22.1]	100.0
36-99% (n=173)	13.5	[8.5, 20.8]	22.6	[16.0, 31.0]	46.8	[38.2, 55.6]	17.0	[11.9, 23.7]	100.0
100%+ (n=99)	19.0	[11.4, 29.9]	22.0	[14.4, 31.9]	37.1	[26.9, 48.6]	22.0	[14.0, 32.7]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.94, 5759.66) =	6.6241 0.8365	Pr =	0.541						
Region (DW)									
UP/NW/NE (n=191)	12.7	[8.2, 19.3]	21.9	[15.7, 29.6]	43.7	[35.7, 51.9]	21.7	[15.9, 28.9]	100.0
W/E Central/E (n=282)	13.9	[9.8, 19.3]	14.3	[10.4, 19.3]	47.5	[40.7, 54.5]	24.3	[18.7, 30.8]	100.0
S Central/SW/SE (n=206)	13.0	[8.2, 19.9]	25.0	[18.4, 32.9]	43.1	[35.2, 51.3]	19.0	[13.1, 26.7]	100.0
Detroit Metro (n=302)	14.5	[10.5, 19.5]	21.0	[16.0, 27.1]	50.5	[44.0, 57.0]	14.0	[10.3, 18.6]	100.0
Pearson: Uncorrected chi2(9) = Design-based F(8.28, 8026.62) =	19.4993 1.7646	Pr =	0.076						
Chronic condition (2016, 2017, 2018)									
Yes (n=643)	13.9	[10.9, 17.5]	21.0	[17.4, 25.3]	48.1	[43.3, 52.9]	17.0	[13.7, 20.8]	100.0
No (n=338)	13.8	[10.0, 18.7]	18.4	[13.9, 24.1]	46.8	[40.6, 53.2]	20.9	[16.4, 26.2]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.99, 2898.78) =	2.8529 0.6212	Pr =	0.601						
MH/SUD (2016, 2017, 2018 or DW)									
Yes (n=630)	13.5	[10.5, 17.1]	21.4	[17.7, 25.6]	48.2	[43.4, 53.0]	17.0	[13.8, 20.7]	100.0
No (n=351)	14.5	[10.6, 19.5]	17.8	[13.4, 23.4]	46.7	[40.4, 53.1]	21.0	[16.4, 26.5]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.99, 2899.91) =	3.7304 0.8133	Pr =	0.486						
Total (n=981)	13.9	[11.4, 16.7]	20.0	[17.1, 23.3]	47.6	[43.8, 51.5]	18.5	[15.8, 21.6]	100.0

Note: Total n is less than universe N due to item non-response.

3.7 Q: Would you say that your ability to get dental care now is better, worse, or about the same compared to when you had Healthy Michigan Plan insurance?

Follow-up group(s): Not Enrolled
 Universe: All respondents (N=986)

	Better		Worse		Ability to get dental care since HMP coverage ended About the same		Don't know		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)									
Stayed on (n=509)	12.9	[9.8, 16.9]	23.0	[18.7, 27.8]	48.3	[42.9, 53.6]	15.8	[12.3, 20.1]	100.0
Off for 6+ months (n=394)	16.5	[12.4, 21.6]	24.9	[20.3, 30.2]	47.5	[41.6, 53.5]	11.1	[8.1, 15.2]	100.0
Churned off/on (n=78)	13.1	[6.0, 26.4]	26.3	[16.3, 39.4]	38.0	[25.9, 51.8]	22.6	[12.8, 36.7]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.86, 5677.58) =	12.5094 1.2543	Pr =	0.276						
Age (DW)									
19-34 (n=302)	19.1	[14.5, 24.7]	23.2	[18.3, 29.0]	44.6	[38.3, 51.1]	13.1	[9.1, 18.4]	100.0
35-50 (n=295)	11.0	[7.5, 15.8]	26.0	[20.5, 32.3]	50.7	[43.9, 57.4]	12.4	[8.7, 17.2]	100.0
51-64 (n=384)	11.6	[7.9, 16.7]	23.0	[18.4, 28.5]	45.8	[39.6, 52.1]	19.6	[15.1, 25.1]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.85, 5672.83) =	18.5136 2.1794	Pr =	0.044						
Gender (DW)									
Male (n=382)	15.4	[11.4, 20.4]	20.3	[16.0, 25.4]	49.1	[43.2, 55.1]	15.2	[11.5, 19.8]	100.0
Female (n=599)	13.6	[10.6, 17.2]	27.6	[23.4, 32.2]	44.9	[40.1, 49.8]	13.9	[10.8, 17.8]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(3.00, 2905.94) =	7.2336 1.5862	Pr =	0.191						
Race/ethnicity, detailed (2016)									
White (n=631)	11.2	[8.7, 14.5]	29.6	[25.4, 34.2]	46.2	[41.4, 51.1]	12.9	[10.1, 16.4]	100.0
Black (n=202)	24.1	[17.6, 32.0]	16.0	[10.9, 22.9]	48.6	[40.6, 56.8]	11.3	[7.5, 16.8]	100.0
Hispanic (n=45)	19.3	[8.5, 38.0]	20.0	[9.2, 38.3]	40.6	[25.7, 57.4]	20.1	[8.9, 39.4]	100.0
Arab / Chaldean (n=35)	6.2	[0.9, 33.0]	15.3	[6.8, 30.7]	45.6	[28.3, 64.0]	32.9	[17.3, 53.5]	100.0
Other / more than one (n=53)	5.1	[1.7, 14.2]	19.4	[9.3, 36.2]	49.5	[33.5, 65.5]	26.0	[13.9, 43.2]	100.0
Pearson: Uncorrected chi2(12) = Design-based F(11.17, 10658.94) =	63.6089 3.1653	Pr =	0.000						
FPL category (DW)									
0-35% (n=709)	12.9	[10.1, 16.4]	23.7	[20.1, 27.8]	49.3	[44.7, 53.9]	14.1	[11.2, 17.4]	100.0
36-99% (n=173)	18.0	[12.0, 26.2]	23.8	[17.3, 31.7]	44.2	[35.7, 53.0]	14.0	[8.7, 21.9]	100.0
100%+ (n=99)	19.4	[11.5, 30.9]	27.7	[18.9, 38.5]	34.1	[24.6, 45.2]	18.8	[11.2, 29.9]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.95, 5765.28) =	10.6853 1.2708	Pr =	0.267						
Region (DW)									
UP/NW/NE (n=191)	13.8	[9.0, 20.5]	29.5	[22.5, 37.7]	45.9	[37.8, 54.2]	10.8	[7.2, 15.9]	100.0
W/E Central/E (n=282)	16.2	[11.6, 22.2]	23.8	[18.6, 30.0]	47.9	[41.0, 54.8]	12.1	[8.2, 17.4]	100.0
S Central/SW/SE (n=205)	11.4	[6.9, 18.1]	27.7	[21.0, 35.6]	43.4	[35.4, 51.8]	17.5	[12.2, 24.5]	100.0
Detroit Metro (n=303)	14.8	[10.8, 20.1]	21.5	[16.6, 27.3]	48.1	[41.7, 54.6]	15.6	[11.5, 20.9]	100.0
Pearson: Uncorrected chi2(9) = Design-based F(8.16, 7910.05) =	9.4596 0.8571	Pr =	0.554						
Chronic condition (2016, 2017, 2018)									
Yes (n=643)	12.2	[9.5, 15.7]	24.7	[20.9, 29.1]	48.8	[44.0, 53.6]	14.3	[11.3, 17.9]	100.0
No (n=338)	17.8	[13.3, 23.4]	23.1	[18.3, 28.8]	44.2	[38.0, 50.5]	14.9	[10.9, 20.1]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(3.00, 2905.86) =	6.4071 1.3991	Pr =	0.241						
MH/SUD (2016, 2017, 2018 or DW)									
Yes (n=630)	12.2	[9.4, 15.7]	26.4	[22.4, 30.8]	45.0	[40.3, 49.9]	16.4	[13.2, 20.2]	100.0
No (n=351)	18.1	[13.5, 23.7]	20.5	[15.9, 26.0]	49.9	[43.6, 56.3]	11.5	[8.0, 16.3]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(3.00, 2905.84) =	13.9697 3.0048	Pr =	0.029						
Total (n=981)	14.4	[11.9, 17.4]	24.1	[21.0, 27.5]	46.9	[43.1, 50.8]	14.5	[12.0, 17.4]	100.0

Note: Total n is less than universe N due to item non-response.

3.8 Q: Would you say that your ability to get vision care now is better, worse, or about the same compared to when you had Healthy Michigan Plan insurance?

Follow-up group(s): Not Enrolled
 Universe: All respondents (N=986)

	Better		Worse		Ability to get vision care since HMP coverage ended About the same		Don't know		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)									
Stayed on (n=509)	10.4	[7.6, 14.1]	19.8	[15.7, 24.7]	49.3	[44.0, 54.7]	20.5	[16.4, 25.2]	100.0
Off for 6+ months (n=394)	13.5	[9.7, 18.4]	18.0	[14.0, 22.8]	51.6	[45.6, 57.5]	17.0	[13.1, 21.7]	100.0
Churned off/on (n=78)	9.5	[3.7, 22.3]	20.3	[11.7, 33.0]	43.8	[30.9, 57.6]	26.4	[16.0, 40.2]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.87, 5692.02) =	7.4418 0.7376	Pr =	0.616						
Age (DW)									
19-34 (n=302)	13.5	[9.5, 18.8]	16.4	[12.2, 21.6]	48.3	[41.9, 54.8]	21.9	[17.0, 27.7]	100.0
35-50 (n=295)	8.7	[5.6, 13.2]	22.3	[17.1, 28.6]	50.0	[43.2, 56.8]	19.0	[14.3, 24.9]	100.0
51-64 (n=384)	12.3	[8.6, 17.4]	19.4	[14.8, 24.9]	51.6	[45.3, 57.9]	16.7	[12.7, 21.6]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.84, 5655.44) =	9.6415 1.1237	Pr =	0.346						
Gender (DW)									
Male (n=382)	12.9	[9.3, 17.7]	18.4	[14.2, 23.4]	48.2	[42.2, 54.2]	20.6	[16.2, 25.8]	100.0
Female (n=599)	10.4	[7.7, 13.8]	19.8	[16.2, 24.1]	51.2	[46.2, 56.0]	18.7	[15.2, 22.8]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(3.00, 2905.75) =	2.5542 0.5533	Pr =	0.646						
Race/ethnicity, detailed (2016)									
White (n=631)	9.0	[6.7, 12.0]	21.9	[18.1, 26.1]	48.4	[43.6, 53.3]	20.7	[17.0, 24.9]	100.0
Black (n=202)	19.4	[13.4, 27.1]	15.0	[10.0, 21.8]	53.5	[45.3, 61.6]	12.1	[7.8, 18.3]	100.0
Hispanic (n=45)	17.1	[7.1, 35.8]	13.2	[4.7, 31.9]	43.7	[28.1, 60.7]	26.0	[13.3, 44.6]	100.0
Arab / Chaldean (n=35)	7.0	[1.2, 31.4]	15.3	[6.4, 32.3]	39.8	[23.5, 58.6]	37.9	[21.7, 57.4]	100.0
Other / more than one (n=53)	2.3	[0.7, 7.3]	18.8	[8.5, 36.8]	58.0	[41.4, 73.0]	20.9	[11.0, 36.0]	100.0
Pearson: Uncorrected chi2(12) = Design-based F(11.12, 10612.92) =	48.4158 2.4485	Pr =	0.005						
FPL category (DW)									
0-35% (n=709)	11.4	[8.8, 14.8]	19.4	[16.0, 23.4]	50.5	[45.9, 55.1]	18.6	[15.4, 22.4]	100.0
36-99% (n=173)	12.6	[7.5, 20.2]	19.0	[13.2, 26.6]	49.5	[40.8, 58.3]	18.9	[13.2, 26.4]	100.0
100%+ (n=99)	11.0	[5.5, 20.7]	16.8	[10.3, 26.4]	44.4	[33.7, 55.6]	27.8	[18.2, 40.0]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.94, 5752.14) =	4.8444 0.5906	Pr =	0.736						
Region (DW)									
UP/NW/NE (n=191)	10.1	[6.4, 15.6]	18.8	[13.4, 25.9]	52.7	[44.5, 60.7]	18.3	[12.8, 25.5]	100.0
W/E Central/E (n=282)	13.8	[9.5, 19.7]	18.0	[13.4, 23.8]	47.5	[40.7, 54.4]	20.6	[15.6, 26.8]	100.0
S Central/SW/SE (n=205)	7.1	[4.0, 12.5]	21.4	[15.4, 28.9]	47.1	[39.0, 55.4]	24.4	[17.6, 32.7]	100.0
Detroit Metro (n=303)	12.4	[8.7, 17.5]	18.9	[14.2, 24.6]	51.6	[45.0, 58.0]	17.1	[12.9, 22.4]	100.0
Pearson: Uncorrected chi2(9) = Design-based F(8.16, 7906.54) =	10.2540 0.9225	Pr =	0.498						
Chronic condition (2016, 2017, 2018)									
Yes (n=643)	10.8	[8.2, 14.1]	19.8	[16.2, 23.9]	51.1	[46.3, 55.9]	18.4	[15.0, 22.3]	100.0
No (n=338)	12.8	[8.9, 18.1]	18.1	[13.7, 23.5]	47.6	[41.4, 53.9]	21.5	[16.7, 27.1]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(3.00, 2902.72) =	2.9351 0.6209	Pr =	0.601						
MH/SUD (2016, 2017, 2018 or DW)									
Yes (n=630)	11.2	[8.4, 14.7]	20.1	[16.6, 24.2]	48.2	[43.4, 53.0]	20.5	[16.9, 24.6]	100.0
No (n=351)	12.2	[8.5, 17.2]	17.5	[13.0, 23.1]	52.1	[45.7, 58.5]	18.2	[13.8, 23.6]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(3.00, 2904.41) =	2.4714 0.5189	Pr =	0.669						
Total (n=981)	11.6	[9.3, 14.4]	19.1	[16.3, 22.3]	49.7	[45.9, 53.6]	19.6	[16.7, 22.8]	100.0

Note: Total n is less than universe N due to item non-response.

3.9 Q: Would you say that your ability to get mental health care now is better, worse, or about the same compared to when you had Healthy Michigan Plan insurance?

Follow-up group(s): Not Enrolled
 Universe: All respondents (N=986)

	Better		Worse		Ability to get mental health care since HMP coverage ended		Don't know		Total Row %
	Row %	95% CI	Row %	95% CI	About the same	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)									
Stayed on (n=509)	7.8	[5.4, 11.1]	12.2	[8.8, 16.6]	45.6	[40.3, 50.9]	34.5	[29.7, 39.6]	100.0
Off for 6+ months (n=394)	6.8	[4.2, 10.7]	12.7	[9.2, 17.3]	40.9	[35.1, 46.9]	39.7	[34.1, 45.5]	100.0
Churned off/on (n=78)	6.5	[2.0, 19.0]	21.3	[11.9, 35.3]	40.8	[28.3, 54.5]	31.4	[20.3, 45.1]	100.0
Pearson: Uncorrected chi2(6) =	9.1781								
Design-based F(5.87, 5692.03) =	0.8749	Pr =	0.511						
Age (DW)									
19-34 (n=302)	9.3	[6.1, 13.8]	15.3	[11.0, 20.7]	40.8	[34.6, 47.3]	34.6	[28.9, 40.9]	100.0
35-50 (n=295)	5.2	[2.9, 9.1]	15.3	[10.8, 21.2]	45.5	[38.9, 52.4]	34.0	[28.0, 40.6]	100.0
51-64 (n=384)	6.7	[4.0, 10.8]	7.6	[4.9, 11.7]	43.8	[37.6, 50.1]	42.0	[35.9, 48.2]	100.0
Pearson: Uncorrected chi2(6) =	16.5222								
Design-based F(5.82, 5644.34) =	1.9072	Pr =	0.078						
Gender (DW)									
Male (n=382)	7.7	[5.0, 11.7]	12.3	[8.8, 17.1]	44.0	[38.1, 50.0]	36.0	[30.5, 41.9]	100.0
Female (n=599)	6.8	[4.7, 9.7]	14.2	[10.8, 18.3]	42.4	[37.6, 47.2]	36.6	[32.2, 41.3]	100.0
Pearson: Uncorrected chi2(3) =	1.0491								
Design-based F(2.99, 2893.33) =	0.2204	Pr =	0.881						
Race/ethnicity, detailed (2016)									
White (n=631)	4.8	[3.2, 7.0]	14.6	[11.3, 18.7]	42.0	[37.4, 46.8]	38.6	[34.1, 43.3]	100.0
Black (n=202)	14.1	[9.1, 21.2]	13.3	[8.6, 20.0]	45.9	[37.9, 54.1]	26.7	[20.3, 34.2]	100.0
Hispanic (n=45)	8.3	[2.7, 22.7]	10.2	[3.0, 29.5]	46.0	[29.8, 63.2]	35.4	[20.9, 53.2]	100.0
Arab / Chaldean (n=35)	4.4	[0.6, 25.3]	3.2	[0.4, 19.4]	38.9	[22.5, 58.2]	53.6	[35.0, 71.2]	100.0
Other / more than one (n=53)	2.4	[0.7, 7.4]	14.5	[5.5, 33.0]	36.5	[22.1, 53.8]	46.6	[31.1, 62.8]	100.0
Pearson: Uncorrected chi2(12) =	42.7066								
Design-based F(11.27, 10752.95) =	2.2133	Pr =	0.011						
FPL category (DW)									
0-35% (n=709)	8.2	[5.9, 11.1]	12.8	[9.9, 16.5]	44.7	[40.2, 49.3]	34.3	[30.2, 38.7]	100.0
36-99% (n=173)	3.1	[1.4, 6.9]	15.7	[10.0, 23.8]	41.7	[33.3, 50.6]	39.5	[31.4, 48.2]	100.0
100%+ (n=99)	7.5	[3.4, 16.1]	12.6	[7.0, 21.7]	34.2	[24.6, 45.3]	45.6	[34.7, 57.0]	100.0
Pearson: Uncorrected chi2(6) =	11.5097								
Design-based F(5.87, 5690.07) =	1.4884	Pr =	0.179						
Region (DW)									
UP/NW/NE (n=191)	6.3	[3.3, 11.4]	11.6	[6.9, 18.9]	39.4	[31.8, 47.6]	42.7	[35.0, 50.8]	100.0
W/E Central/E (n=282)	7.5	[4.4, 12.5]	8.9	[5.7, 13.8]	50.0	[43.1, 56.9]	33.6	[27.6, 40.3]	100.0
S Central/SW/SE (n=205)	8.1	[4.6, 13.9]	16.0	[10.7, 23.4]	34.5	[27.3, 42.6]	41.3	[33.4, 49.6]	100.0
Detroit Metro (n=303)	6.9	[4.3, 11.0]	15.2	[10.9, 20.9]	43.4	[37.1, 50.0]	34.4	[28.7, 40.7]	100.0
Pearson: Uncorrected chi2(9) =	16.5034								
Design-based F(8.27, 8015.26) =	1.4440	Pr =	0.170						
Chronic condition (2016, 2017, 2018)									
Yes (n=643)	6.6	[4.6, 9.3]	12.9	[9.8, 16.7]	44.4	[39.7, 49.3]	36.1	[31.7, 40.8]	100.0
No (n=338)	8.2	[5.2, 12.7]	13.9	[9.8, 19.3]	41.2	[35.1, 47.5]	36.7	[31.0, 42.8]	100.0
Pearson: Uncorrected chi2(3) =	1.6395								
Design-based F(2.99, 2892.96) =	0.3405	Pr =	0.795						
MH/SUD (2016, 2017, 2018 or DW)									
Yes (n=630)	7.9	[5.7, 11.0]	15.8	[12.5, 19.8]	46.9	[42.2, 51.7]	29.3	[25.2, 33.8]	100.0
No (n=351)	6.1	[3.6, 10.2]	9.3	[5.8, 14.5]	37.2	[31.2, 43.6]	47.4	[41.2, 53.8]	100.0
Pearson: Uncorrected chi2(3) =	34.7651								
Design-based F(2.96, 2870.86) =	6.8054	Pr =	0.000						
Total (n=981)	7.2	[5.5, 9.5]	13.3	[10.8, 16.3]	43.1	[39.4, 47.0]	36.3	[32.8, 40.0]	100.0

Note: Total n is less than universe N due to item non-response.

3.10 Q: Would you say that your ability to get substance use treatment now is better, worse, or about the same compared to when you had Healthy Michigan Plan insurance?

Follow-up group(s): Not Enrolled
 Universe: All respondents (N=986)

	Ability to get substance use treatment services since HMP coverage ended								Total Row %
	Better		Worse		About the same		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)									
Stayed on (n=507)	2.1	[1.0, 4.4]	4.1	[2.2, 7.3]	20.1	[16.1, 24.8]	73.8	[68.6, 78.3]	100.0
Off for 6+ months (n=393)	3.2	[1.6, 6.5]	5.1	[3.1, 8.4]	25.3	[20.2, 31.3]	66.3	[60.2, 71.9]	100.0
Churned off/on (n=78)	0.4	[0.1, 3.1]	1.5	[0.4, 5.8]	28.9	[18.0, 42.8]	69.3	[55.4, 80.3]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.17, 4997.07) =	11.3173 1.4286	Pr =	0.209						
Age (DW)									
19-34 (n=302)	3.0	[1.4, 6.2]	2.8	[1.3, 5.9]	25.7	[20.3, 31.9]	68.5	[62.1, 74.3]	100.0
35-50 (n=294)	1.3	[0.4, 4.2]	7.1	[4.2, 11.8]	22.5	[17.1, 29.0]	69.1	[62.3, 75.3]	100.0
51-64 (n=382)	2.9	[1.2, 6.8]	2.9	[1.5, 5.5]	19.8	[15.3, 25.3]	74.4	[68.5, 79.5]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.78, 5581.61) =	15.0711 1.6973	Pr =	0.120						
Gender (DW)									
Male (n=379)	3.2	[1.6, 6.1]	4.5	[2.6, 7.8]	28.3	[23.1, 34.2]	64.0	[57.9, 69.6]	100.0
Female (n=599)	1.7	[0.7, 3.8]	4.0	[2.4, 6.6]	18.4	[14.7, 22.7]	76.0	[71.3, 80.1]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(3.00, 2897.85) =	17.9623 3.7784	Pr =	0.010						
Race/ethnicity, detailed (2016)									
White (n=630)	0.9	[0.4, 2.0]	3.8	[2.4, 6.2]	22.0	[18.1, 26.5]	73.2	[68.6, 77.4]	100.0
Black (n=202)	5.4	[2.6, 11.1]	5.9	[3.0, 11.2]	25.4	[18.9, 33.2]	63.2	[55.0, 70.8]	100.0
Hispanic (n=45)	3.7	[0.7, 17.2]	8.2	[1.8, 29.5]	24.1	[12.6, 41.3]	64.1	[46.1, 78.8]	100.0
Arab /Chaldean (n=35)	0.0		0.0		21.4	[9.3, 41.9]	78.6	[58.1, 90.7]	100.0
Other /more than one (n=51)	3.8	[0.7, 17.2]	2.0	[0.4, 8.9]	28.6	[14.9, 47.8]	65.6	[47.4, 80.2]	100.0
Pearson: Uncorrected chi2(12) = Design-based F(11.09, 10543.04) =	28.9251 1.5255	Pr =	0.114						
FPL category (DW)									
0-35% (n=706)	2.5	[1.3, 4.6]	3.9	[2.5, 6.2]	21.9	[18.2, 26.2]	71.7	[67.2, 75.8]	100.0
36-99% (n=173)	1.5	[0.4, 5.6]	5.7	[2.4, 12.6]	28.1	[20.5, 37.1]	64.8	[55.6, 73.0]	100.0
100%+ (n=99)	3.2	[0.9, 10.7]	4.2	[1.6, 10.6]	23.6	[15.5, 34.3]	69.0	[57.9, 78.2]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.86, 5659.84) =	4.9291 0.6019	Pr =	0.725						
Region (DW)									
UP/NW/NE (n=191)	0.9	[0.3, 2.9]	2.9	[1.2, 6.6]	22.5	[16.3, 30.2]	73.7	[65.9, 80.3]	100.0
W/E Central/E (n=282)	2.1	[0.8, 5.0]	2.4	[1.2, 4.6]	23.8	[18.3, 30.5]	71.7	[65.0, 77.6]	100.0
S Central/SW/SE (n=203)	2.6	[0.9, 7.2]	7.3	[3.8, 13.4]	17.0	[11.8, 24.0]	73.1	[65.1, 79.8]	100.0
Detroit Metro (n=302)	2.9	[1.3, 6.3]	4.4	[2.3, 8.3]	25.5	[20.0, 31.8]	67.2	[60.6, 73.2]	100.0
Pearson: Uncorrected chi2(9) = Design-based F(7.64, 7379.16) =	13.2911 1.2761	Pr =	0.253						
Chronic condition (2016, 2017, 2018)									
Yes (n=641)	2.1	[1.1, 3.8]	3.6	[2.2, 6.0]	22.9	[19.0, 27.4]	71.4	[66.7, 75.7]	100.0
No (n=337)	2.9	[1.3, 6.6]	5.2	[3.0, 9.0]	23.5	[18.4, 29.5]	68.4	[62.1, 74.1]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(3.00, 2894.75) =	2.4572 0.5026	Pr =	0.680						
MH/SUD (2016, 2017, 2018 or DW)									
Yes (n=627)	2.3	[1.2, 4.4]	3.5	[2.2, 5.5]	22.7	[18.8, 27.2]	71.5	[66.9, 75.8]	100.0
No (n=351)	2.6	[1.2, 5.7]	5.4	[3.0, 9.7]	23.8	[18.7, 29.9]	68.1	[61.8, 73.9]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(3.00, 2896.53) =	2.5847 0.5292	Pr =	0.662						
Total (n=978)	2.4	[1.4, 4.0]	4.2	[2.9, 6.2]	23.1	[19.9, 26.7]	70.2	[66.5, 73.7]	100.0

Note: Total n is less than universe N due to item non-response.

3.11 Q: Would you say that your ability to get prescription medications now is better, worse, or about the same compared to when you had Healthy Michigan Plan insurance?

Follow-up group(s): Not Enrolled
 Universe: All respondents (N=986)

	Ability to get prescription medications since HMP coverage ended									
	Better		Worse		About the same		Don't know		Total	
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI
HMP/Medicaid enrollment pattern (DW)										
Stayed on (n=509)	16.4	[12.7, 21.0]	18.6	[14.7, 23.2]	57.1	[51.7, 62.4]	7.9	[5.4, 11.4]	100.0	
Off for 6+ months (n=394)	9.6	[6.5, 13.9]	30.8	[25.7, 36.4]	46.8	[40.9, 52.8]	12.8	[9.4, 17.3]	100.0	
Churned off/on (n=78)	9.8	[4.2, 21.2]	25.2	[15.5, 38.3]	54.6	[41.0, 67.5]	10.4	[4.4, 22.9]	100.0	
Pearson: Uncorrected chi2(6) = Design-based F(5.92, 5741.21) =	32.0021 3.2025	Pr =	0.004							
Age (DW)										
19-34 (n=302)	13.5	[9.5, 18.8]	22.6	[17.7, 28.3]	51.3	[44.8, 57.7]	12.6	[9.0, 17.4]	100.0	
35-50 (n=295)	11.3	[7.6, 16.4]	27.3	[21.7, 33.7]	51.8	[45.0, 58.5]	9.6	[6.1, 14.8]	100.0	
51-64 (n=384)	14.1	[10.2, 19.2]	23.2	[18.2, 29.1]	55.6	[49.3, 61.7]	7.2	[4.8, 10.6]	100.0	
Pearson: Uncorrected chi2(6) = Design-based F(5.77, 5588.13) =	8.1317 0.9607	Pr =	0.448							
Gender (DW)										
Male (n=382)	13.9	[10.1, 18.8]	20.7	[16.4, 25.9]	52.7	[46.7, 58.6]	12.7	[9.2, 17.3]	100.0	
Female (n=599)	12.0	[9.2, 15.5]	27.6	[23.4, 32.2]	52.5	[47.6, 57.3]	7.9	[5.7, 10.9]	100.0	
Pearson: Uncorrected chi2(3) = Design-based F(3.00, 2903.05) =	10.8148 2.4049	Pr =	0.066							
Race/ethnicity, detailed (2016)										
White (n=631)	10.4	[7.8, 13.7]	26.0	[22.0, 30.4]	53.5	[48.7, 58.3]	10.1	[7.5, 13.5]	100.0	
Black (n=202)	20.4	[14.4, 28.1]	22.6	[16.6, 29.9]	49.1	[41.0, 57.3]	7.8	[4.6, 13.0]	100.0	
Hispanic (n=45)	19.3	[9.0, 36.7]	18.1	[7.9, 36.2]	49.5	[32.8, 66.4]	13.1	[4.7, 31.6]	100.0	
Arab /Chaldean (n=35)	3.5	[0.5, 21.3]	19.3	[8.7, 37.5]	64.3	[45.1, 79.7]	12.9	[4.4, 32.4]	100.0	
Other /more than one (n=53)	6.7	[2.3, 17.8]	25.8	[13.8, 42.9]	49.2	[33.2, 65.4]	18.3	[8.2, 36.0]	100.0	
Pearson: Uncorrected chi2(12) = Design-based F(11.82, 11276.15) =	30.6700 1.5590	Pr =	0.097							
FPL category (DW)										
0-35% (n=709)	13.9	[11.0, 17.5]	23.7	[20.0, 27.9]	53.1	[48.5, 57.7]	9.2	[6.8, 12.4]	100.0	
36-99% (n=173)	10.2	[5.9, 17.0]	25.0	[18.5, 32.9]	53.0	[44.2, 61.5]	11.8	[7.5, 18.2]	100.0	
100%+ (n=99)	10.2	[4.8, 20.4]	27.2	[18.5, 38.0]	48.1	[37.0, 59.3]	14.5	[8.2, 24.5]	100.0	
Pearson: Uncorrected chi2(6) = Design-based F(5.95, 5769.33) =	5.8287 0.7165	Pr =	0.635							
Region (DW)										
UP/NW/NE (n=191)	11.4	[7.0, 17.9]	23.7	[17.5, 31.4]	52.2	[44.0, 60.3]	12.7	[8.2, 19.2]	100.0	
W/E Central/E (n=282)	12.2	[8.1, 18.0]	23.9	[18.6, 30.1]	54.3	[47.4, 61.2]	9.6	[6.0, 15.0]	100.0	
S Central/SW/SE (n=205)	16.4	[10.8, 24.0]	26.9	[20.3, 34.7]	46.8	[38.8, 55.1]	9.9	[5.6, 16.7]	100.0	
Detroit Metro (n=303)	12.2	[8.7, 17.0]	23.6	[18.5, 29.5]	54.0	[47.5, 60.4]	10.2	[7.0, 14.6]	100.0	
Pearson: Uncorrected chi2(9) = Design-based F(8.27, 8016.54) =	5.0342 0.4342	Pr =	0.906							
Chronic condition (2016, 2017, 2018)										
Yes (n=643)	12.5	[9.6, 16.0]	26.3	[22.3, 30.7]	54.6	[49.8, 59.3]	6.6	[4.6, 9.6]	100.0	
No (n=338)	13.6	[9.7, 18.9]	21.3	[16.6, 26.8]	49.5	[43.2, 55.8]	15.6	[11.6, 20.7]	100.0	
Pearson: Uncorrected chi2(3) = Design-based F(3.00, 2903.21) =	22.4271 4.7960	Pr =	0.002							
MH/SUD (2016, 2017, 2018 or DW)										
Yes (n=630)	13.9	[10.8, 17.8]	26.2	[22.3, 30.6]	52.3	[47.5, 57.1]	7.5	[5.3, 10.6]	100.0	
No (n=351)	11.3	[7.9, 16.0]	21.2	[16.5, 26.9]	52.9	[46.6, 59.2]	14.5	[10.6, 19.4]	100.0	
Pearson: Uncorrected chi2(3) = Design-based F(3.00, 2906.31) =	14.8117 3.1778	Pr =	0.023							
Total (n=981)	12.9	[10.5, 15.8]	24.3	[21.2, 27.7]	52.6	[48.7, 56.4]	10.2	[8.1, 12.8]	100.0	

Note: Total n is less than universe N due to item non-response.

3.12 Q: Would you say that your ability to get cancer screening now is better, worse, or about the same compared to when you had Healthy Michigan Plan insurance?

Follow-up group(s): Not Enrolled
 Universe: All respondents (N=986)

	Better		Worse		Ability to get cancer screening since HMP coverage ended About the same		Don't know		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)									
Stayed on (n=509)	5.7	[3.9, 8.3]	6.6	[4.2, 10.2]	36.0	[31.2, 41.2]	51.6	[46.3, 56.9]	100.0
Off for 6+ months (n=393)	3.7	[1.9, 7.0]	10.6	[7.6, 14.6]	36.5	[30.9, 42.5]	49.3	[43.3, 55.3]	100.0
Churned off/on (n=78)	0.6	[0.1, 4.1]	14.9	[7.2, 28.2]	35.8	[24.0, 49.6]	48.8	[35.4, 62.3]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.50, 5325.18) =	13.6525 1.5414	Pr =	0.167						
Age (DW)									
19-34 (n=302)	2.5	[1.3, 5.0]	8.4	[5.5, 12.8]	29.9	[24.2, 36.3]	59.1	[52.6, 65.3]	100.0
35-50 (n=294)	3.2	[1.5, 6.9]	11.8	[7.9, 17.2]	37.1	[30.8, 43.8]	47.9	[41.1, 54.7]	100.0
51-64 (n=384)	8.7	[5.7, 13.2]	6.5	[4.1, 10.3]	45.1	[38.9, 51.4]	39.7	[33.7, 45.9]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.84, 5648.67) =	42.0032 4.9360	Pr =	0.000						
Gender (DW)									
Male (n=381)	5.1	[3.1, 8.3]	8.8	[6.0, 12.7]	37.2	[31.5, 43.2]	48.9	[43.0, 55.0]	100.0
Female (n=599)	3.7	[2.4, 5.7]	9.4	[6.7, 12.9]	35.3	[30.9, 40.0]	51.7	[46.8, 56.5]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.97, 2872.55) =	1.8706 0.4302	Pr =	0.729						
Race/ethnicity, detailed (2016)									
White (n=631)	3.0	[1.9, 4.6]	9.1	[6.7, 12.2]	37.2	[32.6, 41.9]	50.8	[46.0, 55.6]	100.0
Black (n=202)	8.6	[5.0, 14.3]	10.1	[6.0, 16.5]	37.4	[29.9, 45.6]	43.9	[36.0, 52.2]	100.0
Hispanic (n=45)	4.3	[1.4, 12.7]	15.2	[5.6, 35.0]	21.0	[10.7, 37.0]	59.6	[42.1, 74.9]	100.0
Arab /Chaldean (n=35)	0.0		2.8	[0.6, 12.5]	32.8	[18.1, 51.9]	64.4	[45.6, 79.7]	100.0
Other /more than one (n=52)	0.0		6.2	[1.1, 27.6]	36.8	[22.2, 54.2]	57.1	[39.9, 72.7]	100.0
Pearson: Uncorrected chi2(12) = Design-based F(10.91, 10395.50) =	31.9206 1.7189	Pr =	0.064						
FPL category (DW)									
0-35% (n=708)	5.0	[3.4, 7.3]	8.0	[5.7, 10.9]	36.7	[32.4, 41.2]	50.3	[45.7, 54.9]	100.0
36-99% (n=173)	3.2	[1.4, 7.1]	13.6	[8.4, 21.3]	37.3	[29.2, 46.2]	45.9	[37.3, 54.7]	100.0
100%+ (n=99)	1.5	[0.3, 7.0]	9.5	[5.0, 17.5]	30.6	[21.5, 41.6]	58.3	[47.1, 68.7]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.83, 5643.64) =	10.6151 1.4540	Pr =	0.192						
Region (DW)									
UP/NW/NE (n=191)	4.0	[2.1, 7.8]	8.6	[4.7, 15.1]	39.1	[31.5, 47.2]	48.3	[40.2, 56.4]	100.0
W/E Central/E (n=282)	4.9	[2.8, 8.4]	6.5	[4.0, 10.4]	37.8	[31.4, 44.6]	50.8	[44.0, 57.6]	100.0
S Central/SW/SE (n=205)	1.7	[0.4, 6.7]	12.2	[7.5, 19.2]	33.6	[26.3, 41.7]	52.5	[44.2, 60.7]	100.0
Detroit Metro (n=302)	5.3	[3.2, 8.6]	9.4	[6.2, 14.1]	35.7	[29.7, 42.1]	49.7	[43.2, 56.2]	100.0
Pearson: Uncorrected chi2(9) = Design-based F(8.15, 7891.22) =	9.1461 0.8354	Pr =	0.573						
Chronic condition (2016, 2017, 2018)									
Yes (n=643)	4.6	[3.1, 6.9]	8.7	[6.2, 11.9]	39.9	[35.2, 44.7]	46.8	[42.1, 51.7]	100.0
No (n=337)	3.9	[2.2, 7.1]	9.7	[6.5, 14.2]	30.6	[25.1, 36.7]	55.8	[49.4, 61.9]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.99, 2892.18) =	9.8054 2.1696	Pr =	0.090						
MH/SUD (2016, 2017, 2018 or DW)									
Yes (n=629)	4.4	[2.9, 6.5]	8.0	[5.7, 11.0]	36.3	[31.8, 41.0]	51.3	[46.5, 56.1]	100.0
No (n=351)	4.3	[2.4, 7.7]	10.8	[7.3, 15.6]	36.1	[30.2, 42.4]	48.8	[42.6, 55.2]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.99, 2895.78) =	2.2958 0.5066	Pr =	0.677						
Total (n=980)	4.4	[3.1, 6.1]	9.1	[7.0, 11.6]	36.2	[32.6, 40.0]	50.4	[46.5, 54.2]	100.0

Note: Total n is less than universe N due to item non-response.

A131

3.13 Q: Would you say that your ability to get help with staying healthy or preventing health problems now is better, worse, or about the same compared to when you had Healthy Michigan Plan insurance?

Follow-up group(s): Not Enrolled
 Universe: All respondents (N=986)

	Ability to get help with staying healthy or preventing health problems since HMP									Total Row %		
	Better	95% CI		Worse	95% CI		About the same	95% CI			Don't know	95% CI
	Row %			Row %			Row %			Row %		
HMP/Medicaid enrollment pattern (DW)												
Stayed on (n=509)	12.9	[9.8, 16.8]		10.8	[7.7, 15.1]		61.0	[55.7, 66.2]		15.3	[11.8, 19.5]	100.0
Off for 6+ months (n=394)	7.5	[4.9, 11.5]		13.9	[10.3, 18.5]		61.0	[55.0, 66.6]		17.6	[13.6, 22.5]	100.0
Churned off/on (n=78)	6.2	[2.1, 16.7]		14.2	[6.9, 27.0]		52.2	[38.6, 65.5]		27.4	[16.5, 41.9]	100.0
Pearson: Uncorrected chi2(6) =	17.4702											
Design-based F(5.92, 5733.12) =	1.7179	Pr =		0.114								
Age (DW)												
19-34 (n=302)	10.3	[7.0, 15.0]		12.2	[8.6, 17.1]		58.5	[52.0, 64.7]		19.0	[14.5, 24.5]	100.0
35-50 (n=295)	7.8	[4.8, 12.2]		13.4	[9.3, 19.1]		61.0	[54.1, 67.5]		17.8	[13.1, 23.8]	100.0
51-64 (n=384)	12.4	[8.9, 17.1]		11.4	[7.7, 16.7]		61.7	[55.3, 67.7]		14.5	[10.7, 19.4]	100.0
Pearson: Uncorrected chi2(6) =	5.7796											
Design-based F(5.86, 5673.58) =	0.6590	Pr =		0.679								
Gender (DW)												
Male (n=382)	10.5	[7.5, 14.6]		11.0	[7.7, 15.5]		58.2	[52.2, 64.0]		20.2	[15.9, 25.4]	100.0
Female (n=599)	9.5	[7.0, 12.8]		13.7	[10.5, 17.7]		61.9	[57.0, 66.6]		14.8	[11.6, 18.8]	100.0
Pearson: Uncorrected chi2(3) =	6.3264											
Design-based F(2.99, 2895.60) =	1.3604	Pr =		0.253								
Race/ethnicity, detailed (2016)												
White (n=631)	6.7	[4.8, 9.4]		13.2	[10.2, 17.0]		64.5	[59.8, 68.9]		15.6	[12.5, 19.2]	100.0
Black (n=202)	16.1	[10.9, 23.0]		11.9	[7.3, 18.6]		55.2	[46.9, 63.2]		16.8	[11.4, 24.2]	100.0
Hispanic (n=45)	22.2	[10.9, 40.0]		16.3	[6.4, 35.7]		38.6	[24.1, 55.4]		22.9	[10.8, 42.0]	100.0
Arab /Chaldean (n=35)	7.0	[2.1, 21.2]		11.1	[4.2, 26.4]		48.4	[30.6, 66.7]		33.5	[17.8, 53.8]	100.0
Other /more than one (n=53)	7.1	[2.3, 19.7]		7.9	[2.1, 25.6]		59.9	[43.3, 74.5]		25.1	[13.9, 41.0]	100.0
Pearson: Uncorrected chi2(12) =	44.2391											
Design-based F(11.68, 11138.73) =	2.2549	Pr =		0.008								
FPL category (DW)												
0-35% (n=709)	10.6	[8.2, 13.6]		11.2	[8.4, 14.6]		61.2	[56.6, 65.6]		17.0	[13.8, 20.8]	100.0
36-99% (n=173)	5.7	[2.7, 11.4]		14.9	[9.5, 22.8]		64.8	[56.0, 72.7]		14.6	[9.4, 21.8]	100.0
100%+ (n=99)	13.0	[6.5, 24.4]		17.3	[10.5, 27.1]		44.4	[33.8, 55.6]		25.2	[16.3, 37.0]	100.0
Pearson: Uncorrected chi2(6) =	16.8809											
Design-based F(5.93, 5743.62) =	1.9804	Pr =		0.066								
Region (DW)												
UP/NW/NE (n=191)	6.7	[3.4, 12.6]		9.3	[5.4, 15.5]		68.0	[59.9, 75.2]		16.0	[11.1, 22.7]	100.0
W/E Central/E (n=282)	11.2	[7.5, 16.4]		9.9	[6.5, 14.7]		62.0	[55.1, 68.5]		16.9	[12.4, 22.8]	100.0
S Central/SW/SE (n=205)	8.2	[4.6, 14.2]		14.6	[9.7, 21.4]		62.6	[54.4, 70.2]		14.7	[9.9, 21.2]	100.0
Detroit Metro (n=303)	10.8	[7.6, 15.2]		13.8	[9.7, 19.2]		56.1	[49.6, 62.5]		19.3	[14.6, 25.0]	100.0
Pearson: Uncorrected chi2(9) =	10.1319											
Design-based F(8.31, 8050.14) =	0.9155	Pr =		0.505								
Chronic condition (2016, 2017, 2018)												
Yes (n=643)	10.4	[7.9, 13.7]		12.7	[9.6, 16.4]		61.5	[56.7, 66.2]		15.4	[12.2, 19.2]	100.0
No (n=338)	9.4	[6.3, 13.6]		12.1	[8.5, 16.9]		58.0	[51.7, 64.1]		20.6	[15.9, 26.2]	100.0
Pearson: Uncorrected chi2(3) =	4.4571											
Design-based F(3.00, 2902.78) =	0.9553	Pr =		0.413								
MH/SUD (2016, 2017, 2018 or DW)												
Yes (n=630)	10.0	[7.5, 13.2]		12.9	[9.9, 16.6]		59.6	[54.8, 64.3]		17.5	[14.1, 21.5]	100.0
No (n=351)	10.0	[6.9, 14.5]		11.7	[8.1, 16.6]		61.0	[54.6, 67.0]		17.3	[13.0, 22.7]	100.0
Pearson: Uncorrected chi2(3) =	0.3362											
Design-based F(2.99, 2900.38) =	0.0717	Pr =		0.975								
Total (n=981)	10.0	[7.9, 12.5]		12.4	[10.0, 15.3]		60.1	[56.3, 63.9]		17.4	[14.7, 20.6]	100.0

Note: Total n is less than universe N due to item non-response.

3.14 Q: Would you say that your ability to get birth control/family planning services now is better, worse, or about the same compared to when you had Healthy Michigan Plan insurance?

Follow-up group(s): Not Enrolled
 Universe: All respondents (N=986)

	Ability to get birth control/family planning since HMP coverage ended										
	Better			Worse			About the same		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
HMP/Medicaid enrollment pattern (DW)											
Stayed on (n=506)	5.3	[3.2, 8.7]	3.6	[1.9, 6.8]	30.7	[26.1, 35.8]	60.3	[55.0, 65.5]			100.0
Off for 6+ months (n=392)	5.4	[3.3, 8.8]	6.7	[4.5, 9.9]	32.6	[27.1, 38.5]	55.3	[49.3, 61.1]			100.0
Churned off/on (n=78)	6.3	[1.9, 18.7]	9.9	[4.5, 20.5]	32.7	[21.4, 46.4]	51.1	[37.6, 64.4]			100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.88, 5670.77) =	9.6287 0.9457	Pr =	0.460								
Age (DW)											
19-34 (n=302)	9.5	[6.2, 14.1]	8.8	[6.0, 12.9]	40.5	[34.4, 46.8]	41.3	[35.0, 47.9]			100.0
35-50 (n=292)	3.0	[1.4, 6.2]	4.2	[2.1, 8.1]	32.5	[26.5, 39.2]	60.3	[53.4, 66.7]			100.0
51-64 (n=382)	2.3	[0.9, 5.6]	1.9	[0.8, 4.4]	16.6	[12.6, 21.6]	79.2	[73.8, 83.8]			100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.78, 5570.60) =	102.3676 12.6513	Pr =	0.000								
Gender (DW)											
Male (n=378)	3.1	[1.6, 5.8]	3.4	[1.8, 6.4]	27.7	[22.7, 33.4]	65.8	[59.9, 71.3]			100.0
Female (n=598)	7.7	[5.1, 11.3]	7.5	[5.2, 10.6]	35.3	[30.7, 40.2]	49.6	[44.7, 54.5]			100.0
Pearson: Uncorrected chi2(3) = Design-based F(3.00, 2888.30) =	32.4075 6.7755	Pr =	0.000								
Race/ethnicity, detailed (2016)											
White (n=629)	4.5	[2.8, 7.3]	6.1	[4.1, 8.9]	31.1	[26.8, 35.7]	58.3	[53.5, 63.0]			100.0
Black (n=201)	8.0	[4.5, 13.8]	3.6	[1.6, 8.1]	35.7	[28.4, 43.9]	52.6	[44.4, 60.7]			100.0
Hispanic (n=45)	10.1	[2.9, 29.8]	10.6	[3.1, 30.3]	31.8	[18.5, 49.0]	47.6	[31.1, 64.6]			100.0
Arab /Chaldean (n=35)	1.3	[0.2, 8.6]	7.6	[2.6, 20.4]	21.8	[10.1, 41.0]	69.3	[50.6, 83.2]			100.0
Other /more than one (n=51)	2.3	[0.5, 9.7]	3.7	[1.1, 12.0]	30.0	[16.9, 47.6]	64.0	[46.9, 78.1]			100.0
Pearson: Uncorrected chi2(12) = Design-based F(10.85, 10292.17) =	19.7277 1.1405	Pr =	0.325								
FPL category (DW)											
0-35% (n=704)	5.0	[3.3, 7.6]	5.0	[3.3, 7.5]	29.8	[25.7, 34.2]	60.2	[55.5, 64.6]			100.0
36-99% (n=173)	8.0	[4.1, 14.9]	7.5	[4.2, 13.1]	37.7	[29.6, 46.4]	46.8	[38.2, 55.7]			100.0
100%+ (n=99)	4.3	[1.5, 11.9]	5.7	[2.5, 12.5]	35.4	[25.6, 46.6]	54.5	[43.3, 65.3]			100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.90, 5687.99) =	11.3272 1.4330	Pr =	0.199								
Region (DW)											
UP/NW/NE (n=191)	3.5	[1.3, 8.6]	5.6	[2.5, 12.0]	33.7	[26.2, 42.2]	57.2	[48.8, 65.3]			100.0
W/E Central/E (n=281)	4.1	[2.3, 7.2]	3.8	[2.0, 7.0]	34.3	[27.9, 41.3]	57.8	[50.8, 64.5]			100.0
S Central/SW/SE (n=202)	7.3	[3.6, 14.3]	7.7	[4.3, 13.2]	28.1	[21.4, 35.9]	57.0	[48.6, 65.0]			100.0
Detroit Metro (n=302)	6.0	[3.5, 10.1]	5.6	[3.3, 9.5]	31.1	[25.5, 37.4]	57.2	[50.8, 63.5]			100.0
Pearson: Uncorrected chi2(9) = Design-based F(8.30, 8005.00) =	7.4702 0.6618	Pr =	0.732								
Chronic condition (2016, 2017, 2018)											
Yes (n=639)	4.3	[2.7, 6.9]	5.0	[3.2, 7.7]	30.4	[26.1, 35.0]	60.3	[55.5, 65.0]			100.0
No (n=337)	7.3	[4.5, 11.5]	6.3	[4.0, 9.9]	33.7	[28.1, 39.8]	52.8	[46.4, 59.0]			100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.99, 2882.88) =	7.5872 1.6264	Pr =	0.181								
MH/SUD (2016, 2017, 2018 or DW)											
Yes (n=625)	5.9	[3.9, 8.9]	5.0	[3.3, 7.4]	31.6	[27.3, 36.2]	57.6	[52.7, 62.2]			100.0
No (n=351)	4.8	[2.7, 8.3]	6.4	[3.9, 10.4]	31.9	[26.3, 38.0]	57.0	[50.7, 63.1]			100.0
Pearson: Uncorrected chi2(3) = Design-based F(3.00, 2887.77) =	1.4273 0.3105	Pr =	0.818								
Total (n=976)	5.5	[3.9, 7.6]	5.5	[4.0, 7.5]	31.7	[28.2, 35.4]	57.3	[53.5, 61.1]			100.0

Note: Total n is less than universe N due to item non-response.

- 4 Aim 4: To describe HMP enrollees' health behaviors, how they change over time with enrollment and disenrollment in HMP, and barriers and facilitators to improvement in health behaviors.**

4.1 Q: During the time you've been on the Healthy Michigan Plan, have you worked on a health behavior goal?

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

	Worked on health behavior goal while on HMP				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,468)	52.9	[49.7, 56.1]	47.1	[43.9, 50.3]	100.0
Churned off/on (n=123)	43.7	[33.5, 54.5]	56.3	[45.5, 66.5]	100.0
Pearson: Uncorrected chi2(1) =	4.8129				
Design-based F(1.00, 1579.00) =	2.6038	Pr =	0.107		
Age (DW)					
19-34 (n=426)	47.5	[42.1, 53.0]	52.5	[47.0, 57.9]	100.0
35-50 (n=506)	47.2	[42.0, 52.5]	52.8	[47.5, 58.0]	100.0
51-64 (n=662)	64.8	[60.1, 69.3]	35.2	[30.7, 39.9]	100.0
Pearson: Uncorrected chi2(2) =	37.3558				
Design-based F(1.92, 3042.65) =	12.5321	Pr =	0.000		
Gender (DW)					
Male (n=610)	48.7	[43.9, 53.5]	51.3	[46.5, 56.1]	100.0
Female (n=984)	55.0	[51.0, 58.9]	45.0	[41.1, 49.0]	100.0
Pearson: Uncorrected chi2(1) =	6.2893				
Design-based F(1.00, 1582.00) =	3.9243	Pr =	0.048		
Race/ethnicity, detailed (2016)					
White (n=1,037)	57.3	[53.4, 61.1]	42.7	[38.9, 46.6]	100.0
Black (n=330)	44.5	[38.2, 51.0]	55.5	[49.0, 61.8]	100.0
Hispanic (n=60)	50.3	[35.6, 65.0]	49.7	[35.0, 64.4]	100.0
Arab/Chaldean (n=71)	40.9	[28.7, 54.4]	59.1	[45.6, 71.3]	100.0
Other/more than one (n=77)	47.7	[34.5, 61.2]	52.3	[38.8, 65.5]	100.0
Pearson: Uncorrected chi2(4) =	25.5415				
Design-based F(3.96, 6186.77) =	3.6004	Pr =	0.006		
FPL category (DW)					
0-35% (n=785)	52.4	[48.1, 56.7]	47.6	[43.3, 51.9]	100.0
36-99% (n=469)	48.9	[43.2, 54.6]	51.1	[45.4, 56.8]	100.0
100%+ (n=340)	54.8	[48.1, 61.3]	45.2	[38.7, 51.9]	100.0
Pearson: Uncorrected chi2(2) =	2.6320				
Design-based F(1.99, 3155.98) =	0.8799	Pr =	0.415		
Region (DW)					
UP/NW/NE (n=287)	60.6	[53.8, 67.0]	39.4	[33.0, 46.2]	100.0
W/E Central/E (n=529)	57.9	[52.8, 62.8]	42.1	[37.2, 47.2]	100.0
S Central/SW/SE (n=315)	50.2	[43.5, 56.8]	49.8	[43.2, 56.5]	100.0
Detroit Metro (n=463)	47.1	[41.8, 52.4]	52.9	[47.6, 58.2]	100.0
Pearson: Uncorrected chi2(3) =	17.6505				
Design-based F(2.71, 4280.55) =	4.7398	Pr =	0.004		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,071)	54.2	[50.4, 58.0]	45.8	[42.0, 49.6]	100.0
No (n=523)	48.2	[43.0, 53.4]	51.8	[46.6, 57.0]	100.0
Pearson: Uncorrected chi2(1) =	5.4851				
Design-based F(1.00, 1582.00) =	3.3388	Pr =	0.068		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,034)	53.8	[50.0, 57.6]	46.2	[42.4, 50.0]	100.0
No (n=560)	48.4	[43.2, 53.6]	51.6	[46.4, 56.8]	100.0
Pearson: Uncorrected chi2(1) =	4.3222				
Design-based F(1.00, 1582.00) =	2.7136	Pr =	0.100		
Total (n=1,594)	51.9	[48.8, 55.0]	48.1	[45.0, 51.2]	100.0

Note: Total n is less than universe N due to item non-response.

4.1.1 Q: What was it?

Follow-up group(s): Enrolled

Universe: Respondents who worked on a health behavior goal while on HMP (N=912)

Health behavior goal	Weighted Proportion	95% CI
Lose weight (n=315)	29.6	[26.1, 33.4]
Exercise/working out (n=240)	26.4	[23.0, 30.2]
Nutrition/diet (n=232)	26.3	[22.8, 30.2]
Reduce/quit tobacco use (n=142)	14.4	[11.8, 17.5]
Work on specific health condition/illness (n=82)	7.8	[5.9, 10.1]
Being healthy-general (n=58)	7.4	[5.4, 10.1]
Stress/positive mental health (n=54)	6.8	[4.9, 9.4]
Other (n=19)	2.2	[1.3, 3.6]
Return to doctor (n=17)	1.8	[1.0, 3.3]
Reduce/quit alcohol use (n=9)	1.4	[0.6, 3.3]
Take medication regularly (n=7)	1.1	[0.4, 2.6]

Note: Respondents were able to provide multiple responses.

4.1.2 Q: Would you say you've met your goal, made progress toward your goal, or haven't made progress toward your goal?

Follow-up group(s): Enrolled

Universe: Respondents who worked on a health behavior goal while on HMP (N=912)

	Met goal		Progress on health behavior goal				Total Row %
	Row %	95% CI	Row %	95% CI	Haven't made progress Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=853)	13.3	[10.7, 16.6]	75.2	[71.3, 78.6]	11.5	[9.2, 14.3]	100.0
Churned off/on (n=58)	20.6	[9.8, 38.3]	55.3	[39.0, 70.5]	24.1	[12.7, 41.0]	100.0
Pearson: Uncorrected chi2(2) =	15.1118						
Design-based F(1.99, 1784.59) =	3.4597	Pr =	0.032				
Age (DW)							
19-34 (n=204)	17.5	[12.1, 24.6]	74.0	[66.3, 80.5]	8.5	[5.0, 14.3]	100.0
35-50 (n=257)	8.4	[5.2, 13.2]	77.0	[70.1, 82.6]	14.7	[10.1, 20.8]	100.0
51-64 (n=450)	15.6	[11.7, 20.5]	69.6	[64.0, 74.6]	14.8	[11.4, 19.1]	100.0
Pearson: Uncorrected chi2(4) =	17.5131						
Design-based F(3.84, 3453.58) =	2.6880	Pr =	0.032				
Gender (DW)							
Male (n=320)	12.7	[8.7, 18.0]	74.7	[68.4, 80.1]	12.6	[8.9, 17.7]	100.0
Female (n=591)	15.0	[11.6, 19.3]	72.5	[67.6, 76.9]	12.5	[9.6, 16.1]	100.0
Pearson: Uncorrected chi2(2) =	1.0814						
Design-based F(1.99, 1788.42) =	0.3177	Pr =	0.727				
Race/ethnicity, detailed (2016)							
White (n=634)	14.1	[10.9, 18.1]	72.4	[67.7, 76.6]	13.5	[10.5, 17.2]	100.0
Black (n=164)	13.1	[8.0, 20.8]	74.0	[64.8, 81.5]	12.9	[7.7, 20.9]	100.0
Hispanic (n=31)	13.6	[3.7, 38.9]	79.1	[56.5, 91.7]	7.3	[2.2, 21.8]	100.0
Arab/Chaldean (n=30)	20.9	[8.3, 43.5]	76.8	[54.7, 90.1]	2.3	[0.3, 15.0]	100.0
Other/more than one (n=42)	12.5	[4.0, 32.7]	70.0	[50.9, 84.0]	17.4	[7.8, 34.6]	100.0
Pearson: Uncorrected chi2(8) =	8.3331						
Design-based F(7.51, 6673.80) =	0.5910	Pr =	0.776				
FPL category (DW)							
0-35% (n=452)	13.0	[9.7, 17.3]	74.8	[69.5, 79.4]	12.2	[8.9, 16.4]	100.0
36-99% (n=258)	16.0	[10.5, 23.7]	72.6	[64.6, 79.4]	11.4	[7.3, 17.3]	100.0
100%+ (n=201)	13.8	[8.6, 21.4]	71.1	[62.6, 78.3]	15.1	[10.0, 22.0]	100.0
Pearson: Uncorrected chi2(4) =	2.5086						
Design-based F(3.95, 3548.39) =	0.3965	Pr =	0.809				
Region (DW)							
UP/NW/NE (n=180)	13.6	[9.2, 19.7]	76.7	[69.1, 82.9]	9.7	[5.6, 16.3]	100.0
W/E Central/E (n=317)	13.1	[9.0, 18.7]	74.0	[67.7, 79.4]	12.9	[9.3, 17.8]	100.0
S Central/SW/SE (n=176)	10.0	[6.1, 16.1]	73.6	[64.8, 80.8]	16.4	[10.4, 24.7]	100.0
Detroit Metro (n=238)	16.4	[11.5, 22.9]	72.3	[65.1, 78.6]	11.2	[7.4, 16.7]	100.0
Pearson: Uncorrected chi2(6) =	6.6590						
Design-based F(5.31, 4773.57) =	0.8721	Pr =	0.504				
Chronic condition (2016, 2017, 2018)							
Yes (n=633)	10.9	[8.2, 14.4]	74.3	[69.8, 78.4]	14.8	[11.7, 18.5]	100.0
No (n=278)	19.6	[14.2, 26.3]	72.0	[64.8, 78.3]	8.4	[5.1, 13.7]	100.0
Pearson: Uncorrected chi2(2) =	17.9879						
Design-based F(2.00, 1797.85) =	5.1048	Pr =	0.006				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=603)	12.3	[9.2, 16.2]	74.2	[69.5, 78.4]	13.5	[10.5, 17.2]	100.0
No (n=308)	17.2	[12.4, 23.5]	72.2	[65.2, 78.2]	10.6	[7.0, 15.8]	100.0
Pearson: Uncorrected chi2(2) =	4.9794						
Design-based F(2.00, 1793.98) =	1.5144	Pr =	0.220				
Total (n=911)	13.9	[11.2, 17.2]	73.5	[69.7, 77.0]	12.5	[10.1, 15.5]	100.0

Note: Total n is less than universe N due to item non-response.

4.1.2.1 Q: What helped you make progress?

Follow-up group(s): Enrolled

Universe: Respondents who met or made progress toward their health behavior goal while on HMP (N=796)

Facilitators to meeting health behavior goal	Weighted Proportion	95% CI
Eating better (for weight loss/health condition/etc.) (n=280)	32.4	[28.5, 36.6]
Exercise (for weight loss/health condition/etc.) (n=225)	27.1	[23.5, 31.1]
Motivation (n=126)	17.5	[14.3, 21.3]
Doctor helped respondent (n=142)	15.5	[12.7, 18.8]
Prescription medication (n=72)	8.2	[6.2, 10.8]
Circumstances (weather/season/other logistics) (n=42)	7.5	[5.2, 10.6]
Family/friends helped respondent (n=55)	7.3	[5.2, 10.1]
Other (n=50)	7.1	[5.0, 9.9]
Program or group helped respondent (n=16)	2.1	[1.2, 3.8]

Note: Respondents were able to provide multiple responses.

4.1.3 Q: What barriers did you face in trying to meet that goal?

Follow-up group(s): Enrolled

Universe: Respondents who worked on a health behavior goal while on HMP (N=912)

Barriers to meeting health behavior goal	Weighted Proportion	95% CI
None (i.e. didn't face any barriers) (n=212)	24.9	[21.4, 28.7]
Lack of motivation (n=168)	17.7	[14.8, 20.9]
Circumstances (weather/season/other logistics) (n=129)	16.7	[13.7, 20.3]
Illness/injury (n=169)	15.6	[13.1, 18.6]
Too difficult (to do healthy behavior) (n=126)	13.3	[10.8, 16.4]
No time (n=65)	7.7	[5.8, 10.2]
Too expensive (to do healthy behavior) (n=58)	5.8	[4.2, 7.9]
Other (n=25)	2.8	[1.8, 4.5]
Don't know (n=18)	2.0	[1.1, 3.5]
Transportation/logistics (n=8)	0.8	[0.3, 1.9]

Note: Respondents were able to provide multiple responses.

4.2 Q: In the last year, did you discuss the Health Risk Assessment with your doctor or someone at your primary care provider's office?

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

	Discussed HRA with provider in the last year						Total Row %
	Yes		No		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=1,493)	46.7	[43.5, 49.9]	47.0	[43.8, 50.2]	6.3	[5.0, 8.0]	100.0
Churned off/on (n=124)	34.3	[25.0, 45.0]	62.3	[51.6, 71.9]	3.5	[1.4, 8.2]	100.0
Pearson: Uncorrected chi2(2) =	13.5641						
Design-based F(1.90, 3049.05) =	4.5006	Pr =	0.012				
Age (DW)							
19-34 (n=432)	42.5	[37.2, 47.9]	51.8	[46.3, 57.2]	5.7	[3.7, 8.6]	100.0
35-50 (n=516)	43.5	[38.4, 48.7]	49.3	[44.1, 54.6]	7.2	[5.0, 10.1]	100.0
51-64 (n=672)	52.6	[47.9, 57.3]	42.4	[37.8, 47.2]	5.0	[3.3, 7.4]	100.0
Pearson: Uncorrected chi2(4) =	13.1959						
Design-based F(3.83, 6157.92) =	2.3306	Pr =	0.056				
Gender (DW)							
Male (n=618)	41.4	[36.8, 46.1]	53.6	[48.8, 58.3]	5.0	[3.4, 7.3]	100.0
Female (n=1,002)	49.4	[45.5, 53.2]	43.7	[39.8, 47.6]	7.0	[5.2, 9.2]	100.0
Pearson: Uncorrected chi2(2) =	16.4514						
Design-based F(2.00, 3212.34) =	5.3396	Pr =	0.005				
Race/ethnicity, detailed (2016)							
White (n=1,061)	43.9	[40.2, 47.6]	50.0	[46.3, 53.8]	6.1	[4.6, 8.0]	100.0
Black (n=332)	52.1	[45.6, 58.5]	44.5	[38.2, 51.0]	3.4	[2.0, 5.8]	100.0
Hispanic (n=60)	29.4	[18.2, 43.8]	65.8	[51.2, 77.9]	4.8	[1.6, 13.6]	100.0
Arab/Chaldean (n=71)	43.3	[30.7, 56.7]	45.1	[32.3, 58.6]	11.6	[5.3, 23.4]	100.0
Other/more than one (n=77)	41.6	[29.1, 55.4]	45.4	[32.3, 59.3]	12.9	[5.8, 26.6]	100.0
Pearson: Uncorrected chi2(8) =	33.2441						
Design-based F(7.56, 12015.54) =	2.5041	Pr =	0.012				
FPL category (DW)							
0-35% (n=798)	48.0	[43.7, 52.3]	46.4	[42.1, 50.7]	5.6	[4.0, 7.9]	100.0
36-99% (n=475)	39.2	[33.9, 44.7]	53.6	[47.9, 59.1]	7.3	[4.9, 10.5]	100.0
100%+ (n=347)	47.1	[40.7, 53.6]	47.4	[40.9, 54.0]	5.5	[3.2, 9.2]	100.0
Pearson: Uncorrected chi2(4) =	9.9255						
Design-based F(3.98, 6402.42) =	1.7560	Pr =	0.135				
Region (DW)							
UP/NW/NE (n=296)	47.2	[40.7, 53.9]	44.0	[37.4, 50.8]	8.7	[5.6, 13.5]	100.0
W/E Central/E (n=538)	50.4	[45.4, 55.4]	43.9	[38.9, 49.0]	5.7	[3.9, 8.2]	100.0
S Central/SW/SE (n=319)	37.3	[31.2, 43.9]	56.0	[49.4, 62.5]	6.6	[3.8, 11.3]	100.0
Detroit Metro (n=467)	45.3	[40.1, 50.5]	49.3	[44.0, 54.6]	5.5	[3.6, 8.2]	100.0
Pearson: Uncorrected chi2(6) =	15.4948						
Design-based F(5.42, 8718.99) =	2.0808	Pr =	0.059				
Chronic condition (2016, 2017, 2018)							
Yes (n=1,091)	48.6	[44.8, 52.3]	44.6	[40.9, 48.4]	6.8	[5.2, 8.8]	100.0
No (n=529)	40.4	[35.4, 45.5]	54.9	[49.7, 60.0]	4.7	[3.0, 7.4]	100.0
Pearson: Uncorrected chi2(2) =	16.6015						
Design-based F(2.00, 3213.01) =	5.2232	Pr =	0.005				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=1,052)	46.5	[42.8, 50.3]	46.4	[42.6, 50.2]	7.1	[5.4, 9.3]	100.0
No (n=568)	43.6	[38.6, 48.7]	52.4	[47.2, 57.5]	4.0	[2.6, 6.2]	100.0
Pearson: Uncorrected chi2(2) =	9.3939						
Design-based F(1.98, 3181.19) =	3.2519	Pr =	0.039				
Total (n=1,620)	45.5	[42.5, 48.5]	48.5	[45.4, 51.6]	6.0	[4.8, 7.6]	100.0

Note: Total n is less than universe N due to item non-response.

4.2.1 Q: What healthy behavior did you choose to work on?

Follow-up group(s): Enrolled

Universe: Respondents who discussed the Health Risk Assessment with their doctor or someone at their primary care provider's office in the last year (N=809)

HRA healthy behavior	Weighted Proportion	95% CI
At least one healthy behavior (n=743)	90.5	[87.5, 92.9]
Nutrition/diet (n=267)	33.7	[29.7, 38.0]
Exercise/activity (n=237)	30.0	[26.1, 34.2]
Lose weight (n=210)	22.2	[18.9, 25.9]
Reduce/quit tobacco use (n=134)	17.1	[14.0, 20.7]
Don't remember (n=59)	8.4	[6.2, 11.3]
Stress/mental health care (n=40)	5.9	[4.1, 8.4]
Monitor my blood pressure/blood sugar (n=39)	3.5	[2.5, 5.0]
Other (n=34)	3.5	[2.3, 5.3]
Reduce/quit alcohol use (n=10)	1.7	[0.8, 3.8]
Return to doctor (n=8)	0.7	[0.3, 1.4]
Take medicine regularly (n=5)	0.6	[0.2, 1.7]
None (n=4)	0.5	[0.1, 1.9]
Treatment for substance use (n=1)	0.1	[0.0, 0.6]
Go to the dentist (n=1)	0.1	[0.0, 1.0]

Note: Respondents were able to provide multiple responses.

4.2.1.1 Q: Why did you choose this healthy behavior?

Follow-up group(s): Enrolled

Universe: Respondents who chose to work on at least one healthy behavior (N=743)

Reasons for choosing healthy behavior	Weighted Proportion	95% CI
Something I wanted to do anyway (n=509)	70.1	[65.8, 74.0]
Healthy behavior would help improve illness/condition (n=224)	30.6	[26.5, 34.9]
Doctor suggested healthy behavior (n=114)	14.5	[11.7, 18.0]
Other (n=14)	1.9	[1.0, 3.6]
Healthy behavior easy to do (n=9)	1.8	[0.9, 3.7]
HMP would cover cost (n=1)	0.1	[0.0, 0.6]

Note: Respondents were able to provide multiple responses.

4.3 Q: In the last 7 days, how many days did you exercise for at least 20 minutes?

Follow-up group(s): Enrolled
 Universe: All respondents (N=1,622)

	Exercise frequency in last 7 days								Total Row %
	Every day Row %	95% CI	3-6 days Row %	95% CI	1-2 days Row %	95% CI	0 days Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)									
Stayed on (n=1,490)	25.8	[23.1, 28.7]	36.1	[33.1, 39.2]	20.6	[18.1, 23.4]	17.6	[15.3, 20.1]	100.0
Churned off/on (n=124)	19.4	[12.9, 28.0]	37.9	[28.1, 48.8]	22.1	[14.2, 32.7]	20.6	[13.1, 30.8]	100.0
Pearson: Uncorrected chi2(3) =	3.3425								
Design-based F(2.95, 4728.45) =	0.6144	Pr =	0.603						
Age (DW)									
19-34 (n=432)	18.8	[15.0, 23.4]	43.7	[38.3, 49.1]	21.9	[17.7, 26.7]	15.6	[12.0, 20.1]	100.0
35-50 (n=515)	23.8	[19.6, 28.7]	30.1	[25.7, 34.9]	24.1	[19.8, 29.1]	21.9	[17.9, 26.7]	100.0
51-64 (n=670)	36.4	[31.9, 41.1]	33.4	[29.2, 37.8]	14.8	[11.6, 18.8]	15.4	[12.6, 18.8]	100.0
Pearson: Uncorrected chi2(6) =	66.7915								
Design-based F(5.72, 9173.69) =	7.4794	Pr =	0.000						
Gender (DW)									
Male (n=618)	27.7	[23.7, 32.2]	33.0	[28.7, 37.6]	21.4	[17.6, 25.7]	17.9	[14.4, 21.9]	100.0
Female (n=999)	22.7	[19.7, 26.0]	39.2	[35.5, 43.1]	20.3	[17.2, 23.7]	17.8	[15.0, 20.9]	100.0
Pearson: Uncorrected chi2(3) =	8.5725								
Design-based F(2.99, 4803.10) =	1.7821	Pr =	0.148						
Race/ethnicity, detailed (2016)									
White (n=1,058)	27.4	[24.2, 30.9]	37.8	[34.2, 41.5]	16.8	[14.0, 20.1]	18.0	[15.2, 21.2]	100.0
Black (n=333)	20.1	[15.5, 25.6]	30.6	[25.0, 36.9]	30.2	[24.5, 36.5]	19.1	[14.5, 24.6]	100.0
Hispanic (n=60)	13.6	[7.3, 24.0]	47.8	[33.2, 62.8]	21.6	[11.6, 36.5]	17.0	[9.2, 29.2]	100.0
Arab/Chaldean (n=70)	18.0	[9.5, 31.3]	34.0	[22.7, 47.6]	25.1	[15.5, 38.1]	22.9	[13.1, 36.8]	100.0
Other/more than one (n=77)	39.2	[26.8, 53.1]	37.6	[25.2, 52.0]	13.8	[6.9, 25.7]	9.4	[4.1, 19.9]	100.0
Pearson: Uncorrected chi2(12) =	60.3123								
Design-based F(11.57, 18346.11) =	2.9507	Pr =	0.000						
FPL category (DW)									
0-35% (n=798)	25.2	[21.7, 29.1]	34.5	[30.6, 38.7]	21.5	[18.1, 25.4]	18.8	[15.6, 22.4]	100.0
36-99% (n=474)	24.8	[20.2, 29.9]	37.8	[32.5, 43.4]	18.5	[14.4, 23.4]	19.0	[14.9, 24.0]	100.0
100%+ (n=345)	25.7	[20.5, 31.6]	38.9	[32.8, 45.4]	22.2	[16.9, 28.5]	13.3	[9.4, 18.4]	100.0
Pearson: Uncorrected chi2(6) =	7.5304								
Design-based F(5.96, 9570.75) =	0.8416	Pr =	0.537						
Region (DW)									
UP/NW/NE (n=296)	32.2	[26.1, 39.0]	43.1	[36.6, 49.7]	11.5	[8.1, 16.2]	13.2	[9.6, 18.0]	100.0
W/E Central/E (n=536)	27.6	[23.3, 32.3]	34.6	[30.1, 39.5]	20.3	[16.3, 24.9]	17.5	[14.1, 21.6]	100.0
S Central/SW/SE (n=318)	27.4	[22.0, 33.7]	36.3	[30.0, 43.1]	18.3	[13.7, 24.0]	18.0	[13.8, 23.2]	100.0
Detroit Metro (n=467)	21.3	[17.3, 26.0]	35.9	[31.0, 41.0]	24.0	[19.8, 28.9]	18.8	[14.9, 23.4]	100.0
Pearson: Uncorrected chi2(9) =	22.8822								
Design-based F(7.96, 12783.38) =	2.0834	Pr =	0.034						
Chronic condition (2016, 2017, 2018)									
Yes (n=1,090)	26.0	[22.8, 29.4]	33.6	[30.2, 37.2]	21.2	[18.1, 24.6]	19.2	[16.4, 22.4]	100.0
No (n=527)	23.8	[19.7, 28.4]	40.5	[35.5, 45.7]	20.2	[16.3, 24.8]	15.5	[12.0, 19.7]	100.0
Pearson: Uncorrected chi2(3) =	8.8124								
Design-based F(2.99, 4805.73) =	1.7713	Pr =	0.150						
MH/SUD (2016, 2017, 2018 or DW)									
Yes (n=1,049)	23.1	[20.2, 26.3]	35.0	[31.4, 38.6]	21.5	[18.4, 24.9]	20.5	[17.6, 23.7]	100.0
No (n=568)	28.9	[24.4, 33.9]	38.5	[33.6, 43.6]	19.7	[15.8, 24.2]	12.9	[9.8, 16.8]	100.0
Pearson: Uncorrected chi2(3) =	18.7931								
Design-based F(3.00, 4807.99) =	3.8834	Pr =	0.009						
Total (n=1,617)	25.2	[22.6, 27.9]	36.2	[33.3, 39.2]	20.8	[18.4, 23.5]	17.8	[15.6, 20.3]	100.0

Note: Total n is less than universe N due to item non-response.

4.4 Q: In the last 7 days, how many days did you drink soda or pop that contains sugar, sweetened fruit drinks, sports drinks, or energy drinks?

Follow-up group(s): Enrolled
 Universe: All respondents (N=1,622)

	Sugary drink consumption in last 7 days								Total Row %
	Every day Row %	95% CI	3-6 days Row %	95% CI	1-2 days Row %	95% CI	0 days Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)									
Stayed on (n=1,492)	23.4	[20.9, 26.2]	21.0	[18.4, 23.8]	22.3	[19.8, 25.1]	33.3	[30.4, 36.3]	100.0
Churned off/on (n=124)	23.4	[15.4, 33.7]	28.0	[19.0, 39.0]	26.5	[18.1, 37.0]	22.2	[15.1, 31.3]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.96, 4748.27) =	9.7499 1.7831	Pr =	0.149						
Age (DW)									
19-34 (n=432)	24.6	[20.3, 29.4]	24.3	[19.9, 29.4]	26.9	[22.3, 32.0]	24.2	[19.8, 29.2]	100.0
35-50 (n=515)	24.2	[20.0, 29.0]	24.9	[20.5, 29.8]	20.5	[16.8, 24.9]	30.4	[25.8, 35.4]	100.0
51-64 (n=672)	20.7	[17.1, 24.8]	13.6	[10.7, 17.0]	19.4	[16.0, 23.2]	46.4	[41.8, 51.1]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.69, 9142.69) =	67.1957 7.7073	Pr =	0.000						
Gender (DW)									
Male (n=617)	25.1	[21.2, 29.4]	24.7	[20.7, 29.2]	22.8	[19.0, 27.0]	27.4	[23.4, 31.9]	100.0
Female (n=1,002)	21.9	[18.9, 25.2]	18.9	[15.9, 22.2]	22.7	[19.6, 26.1]	36.6	[33.0, 40.4]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(3.00, 4814.58) =	18.7572 3.9305	Pr =	0.008						
Race/ethnicity, detailed (2016)									
White (n=1,061)	27.5	[24.2, 30.9]	19.6	[16.6, 23.0]	20.2	[17.3, 23.4]	32.8	[29.4, 36.4]	100.0
Black (n=332)	19.0	[14.3, 24.6]	27.8	[22.3, 34.1]	25.4	[20.2, 31.3]	27.9	[22.5, 33.9]	100.0
Hispanic (n=60)	22.3	[12.6, 36.4]	19.5	[9.8, 35.1]	24.7	[14.1, 39.6]	33.4	[20.8, 49.0]	100.0
Arab / Chaldean (n=70)	13.7	[6.1, 27.9]	14.7	[7.6, 26.5]	32.2	[21.1, 45.7]	39.4	[27.3, 53.0]	100.0
Other / more than one (n=77)	22.1	[12.4, 36.2]	23.6	[13.9, 37.2]	25.8	[15.7, 39.5]	28.5	[18.0, 42.0]	100.0
Pearson: Uncorrected chi2(12) = Design-based F(11.72, 18612.39) =	39.0853 1.7897	Pr =	0.046						
FPL category (DW)									
0-35% (n=799)	23.6	[20.2, 27.4]	19.4	[16.1, 23.1]	23.1	[19.7, 27.0]	33.9	[30.0, 38.1]	100.0
36-99% (n=475)	24.2	[19.7, 29.3]	24.2	[19.4, 29.8]	21.7	[17.4, 26.6]	29.9	[25.1, 35.2]	100.0
100%+ (n=345)	22.0	[17.0, 27.9]	24.9	[19.4, 31.5]	22.9	[17.9, 28.7]	30.2	[24.7, 36.4]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.94, 9551.83) =	7.4498 0.8356	Pr =	0.541						
Region (DW)									
UP/NW/NE (n=296)	19.5	[14.7, 25.4]	17.6	[13.1, 23.2]	26.5	[20.9, 33.1]	36.4	[30.4, 42.9]	100.0
W/E Central/E (n=538)	30.2	[25.8, 35.0]	20.1	[16.3, 24.6]	20.7	[16.9, 25.1]	29.0	[24.7, 33.7]	100.0
S Central/SW/SE (n=319)	28.0	[22.4, 34.3]	23.4	[18.2, 29.7]	24.3	[18.9, 30.5]	24.3	[19.4, 30.0]	100.0
Detroit Metro (n=466)	17.9	[14.1, 22.4]	22.9	[18.6, 27.8]	22.7	[18.6, 27.3]	36.6	[31.7, 41.8]	100.0
Pearson: Uncorrected chi2(9) = Design-based F(8.06, 12953.36) =	38.9121 3.4500	Pr =	0.001						
Chronic condition (2016, 2017, 2018)									
Yes (n=1,091)	23.0	[20.0, 26.3]	21.1	[18.0, 24.5]	22.2	[19.2, 25.4]	33.8	[30.4, 37.4]	100.0
No (n=528)	24.2	[20.1, 28.9]	22.8	[18.6, 27.5]	23.6	[19.5, 28.3]	29.4	[24.9, 34.4]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.99, 4812.69) =	3.3453 0.6770	Pr =	0.566						
MH/SUD (2016, 2017, 2018 or DW)									
Yes (n=1,052)	26.2	[23.1, 29.6]	22.0	[18.9, 25.4]	22.2	[19.2, 25.5]	29.7	[26.4, 33.2]	100.0
No (n=567)	18.4	[14.7, 22.8]	21.3	[17.2, 26.0]	23.7	[19.6, 28.3]	36.6	[31.8, 41.8]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.99, 4811.43) =	15.6500 3.2536	Pr =	0.021						
Total (n=1,619)	23.4	[21.0, 26.1]	21.7	[19.2, 24.5]	22.7	[20.2, 25.4]	32.1	[29.4, 35.0]	100.0

Note: Total n is less than universe N due to item non-response.

4.5 Q: In the last 7 days, how many days did you eat 3 or more servings of fruits or vegetables in a day?

Follow-up group(s): Enrolled
 Universe: All respondents (N=1,622)

	Every day		3-6 days Row %	Days eating 3+ fruits or vegetables in last 7 days			0 days		Total Row %
	Row %	95% CI		95% CI	1-2 days Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)									
Stayed on (n=1,489)	32.0	[29.2, 35.0]	39.6	[36.5, 42.8]	17.9	[15.4, 20.6]	10.5	[8.7, 12.7]	100.0
Churned off/on (n=123)	27.1	[18.9, 37.3]	37.5	[27.8, 48.4]	24.2	[15.8, 35.1]	11.1	[6.1, 19.6]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.98, 4771.89) =	4.3020 0.7794	Pr =	0.505						
Age (DW)									
19-34 (n=430)	24.2	[19.9, 29.1]	44.2	[38.9, 49.7]	18.9	[14.9, 23.7]	12.7	[9.4, 17.0]	100.0
35-50 (n=513)	32.7	[28.2, 37.6]	37.2	[32.2, 42.4]	20.4	[16.2, 25.3]	9.7	[7.1, 13.1]	100.0
51-64 (n=672)	40.9	[36.4, 45.6]	35.4	[31.2, 39.8]	15.2	[11.9, 19.1]	8.5	[6.3, 11.5]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.70, 9133.89) =	37.1421 4.1479	Pr =	0.000						
Gender (DW)									
Male (n=615)	27.3	[23.3, 31.7]	37.6	[33.1, 42.4]	23.6	[19.7, 28.1]	11.4	[8.8, 14.8]	100.0
Female (n=1,000)	35.6	[32.1, 39.3]	41.1	[37.3, 45.0]	13.5	[11.1, 16.5]	9.7	[7.5, 12.5]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(3.00, 4804.30) =	33.4669 6.9233	Pr =	0.000						
Race/ethnicity, detailed (2016)									
White (n=1,058)	30.7	[27.5, 34.2]	44.0	[40.2, 47.8]	14.4	[11.9, 17.4]	10.8	[8.6, 13.5]	100.0
Black (n=331)	28.9	[23.6, 34.7]	33.3	[27.6, 39.6]	28.0	[22.3, 34.5]	9.9	[6.5, 14.7]	100.0
Hispanic (n=60)	35.0	[22.9, 49.6]	44.5	[30.1, 59.8]	15.6	[7.3, 30.4]	4.9	[1.5, 14.6]	100.0
Arab/Chaldean (n=70)	49.5	[36.2, 62.8]	26.2	[16.5, 39.1]	14.2	[7.2, 26.0]	10.1	[4.5, 20.9]	100.0
Other/more than one (n=77)	27.2	[17.3, 40.1]	33.0	[21.3, 47.4]	21.9	[12.3, 35.9]	17.9	[9.5, 31.0]	100.0
Pearson: Uncorrected chi2(12) = Design-based F(11.71, 18540.97) =	65.4160 3.1386	Pr =	0.000						
FPL category (DW)									
0-35% (n=794)	30.1	[26.4, 34.1]	37.8	[33.7, 42.1]	20.4	[17.0, 24.3]	11.6	[9.1, 14.8]	100.0
36-99% (n=475)	35.1	[30.0, 40.6]	38.3	[33.0, 44.0]	16.6	[12.5, 21.8]	10.0	[7.1, 13.9]	100.0
100%+ (n=346)	30.7	[25.1, 36.9]	45.7	[39.2, 52.3]	15.3	[11.1, 20.8]	8.4	[5.3, 13.0]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.94, 9520.50) =	12.7651 1.3976	Pr =	0.212						
Region (DW)									
UP/NW/NE (n=295)	32.9	[27.4, 39.0]	44.7	[38.1, 51.6]	12.3	[8.6, 17.2]	10.1	[6.7, 14.9]	100.0
W/E Central/E (n=536)	31.8	[27.4, 36.6]	42.0	[37.2, 47.1]	16.8	[13.4, 21.0]	9.3	[6.7, 12.7]	100.0
S Central/SW/SE (n=318)	31.6	[25.9, 38.0]	39.8	[33.4, 46.5]	16.9	[12.4, 22.7]	11.7	[8.0, 16.7]	100.0
Detroit Metro (n=466)	31.1	[26.6, 36.0]	36.5	[31.6, 41.8]	21.3	[17.1, 26.2]	11.0	[8.1, 14.9]	100.0
Pearson: Uncorrected chi2(9) = Design-based F(8.02, 12850.48) =	11.7822 1.0566	Pr =	0.391						
Chronic condition (2016, 2017, 2018)									
Yes (n=1,088)	33.2	[29.8, 36.7]	37.3	[33.7, 41.1]	18.6	[15.7, 21.9]	10.9	[8.7, 13.5]	100.0
No (n=527)	28.9	[24.5, 33.8]	42.9	[37.9, 48.1]	18.2	[14.3, 22.8]	10.0	[7.2, 13.9]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.98, 4781.16) =	5.4484 1.0584	Pr =	0.365						
MH/SUD (2016, 2017, 2018 or DW)									
Yes (n=1,048)	28.9	[25.7, 32.3]	40.0	[36.3, 43.8]	19.3	[16.3, 22.6]	11.8	[9.6, 14.5]	100.0
No (n=567)	36.5	[31.7, 41.5]	38.3	[33.5, 43.4]	17.0	[13.2, 21.6]	8.2	[5.5, 12.0]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.97, 4758.38) =	12.6318 2.4402	Pr =	0.063						
Total (n=1,615)	31.6	[28.9, 34.4]	39.4	[36.5, 42.4]	18.4	[16.1, 21.1]	10.6	[8.8, 12.7]	100.0

Note: Total n is less than universe N due to item non-response.

4.6 Q: In the last 12 months, has a doctor, nurse, or other health professional talked with you about exercise?

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

	Health professional discuss exercise in last 12 months				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,490)	46.2	[43.0, 49.4]	53.8	[50.6, 57.0]	100.0
Churned off/on (n=125)	34.6	[25.4, 45.1]	65.4	[54.9, 74.6]	100.0
Pearson: Uncorrected chi2(1) =	7.8735				
Design-based F(1.00, 1603.00) =	4.3483	Pr =	0.037		
Age (DW)					
19-34 (n=431)	40.4	[35.2, 45.9]	59.6	[54.1, 64.8]	100.0
35-50 (n=516)	43.1	[38.0, 48.3]	56.9	[51.7, 62.0]	100.0
51-64 (n=671)	54.2	[49.5, 58.9]	45.8	[41.1, 50.5]	100.0
Pearson: Uncorrected chi2(2) =	20.6559				
Design-based F(1.92, 3077.55) =	6.9884	Pr =	0.001		
Gender (DW)					
Male (n=620)	41.2	[36.6, 45.9]	58.8	[54.1, 63.4]	100.0
Female (n=998)	48.6	[44.7, 52.5]	51.4	[47.5, 55.3]	100.0
Pearson: Uncorrected chi2(1) =	8.9888				
Design-based F(1.00, 1606.00) =	5.6620	Pr =	0.017		
Race/ethnicity, detailed (2016)					
White (n=1,061)	44.7	[41.0, 48.5]	55.3	[51.5, 59.0]	100.0
Black (n=332)	48.0	[41.6, 54.4]	52.0	[45.6, 58.4]	100.0
Hispanic (n=59)	42.5	[28.6, 57.7]	57.5	[42.3, 71.4]	100.0
Arab/Chaldean (n=71)	38.4	[26.5, 51.9]	61.6	[48.1, 73.5]	100.0
Other/more than one (n=76)	40.4	[27.9, 54.3]	59.6	[45.7, 72.1]	100.0
Pearson: Uncorrected chi2(4) =	4.4385				
Design-based F(3.95, 6271.75) =	0.6279	Pr =	0.641		
FPL category (DW)					
0-35% (n=799)	45.5	[41.3, 49.9]	54.5	[50.1, 58.7]	100.0
36-99% (n=474)	43.2	[37.7, 48.8]	56.8	[51.2, 62.3]	100.0
100%+ (n=345)	45.8	[39.3, 52.4]	54.2	[47.6, 60.7]	100.0
Pearson: Uncorrected chi2(2) =	0.7570				
Design-based F(1.99, 3203.12) =	0.2584	Pr =	0.772		
Region (DW)					
UP/NW/NE (n=296)	38.5	[32.3, 45.2]	61.5	[54.8, 67.7]	100.0
W/E Central/E (n=537)	46.2	[41.3, 51.2]	53.8	[48.8, 58.7]	100.0
S Central/SW/SE (n=319)	41.0	[34.7, 47.5]	59.0	[52.5, 65.3]	100.0
Detroit Metro (n=466)	47.0	[41.8, 52.3]	53.0	[47.7, 58.2]	100.0
Pearson: Uncorrected chi2(3) =	5.6786				
Design-based F(2.70, 4343.88) =	1.5430	Pr =	0.205		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,090)	50.8	[47.0, 54.5]	49.2	[45.5, 53.0]	100.0
No (n=528)	35.3	[30.5, 40.4]	64.7	[59.6, 69.5]	100.0
Pearson: Uncorrected chi2(1) =	36.6717				
Design-based F(1.00, 1606.00) =	22.7596	Pr =	0.000		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,051)	48.4	[44.7, 52.2]	51.6	[47.8, 55.3]	100.0
No (n=567)	38.6	[33.8, 43.7]	61.4	[56.3, 66.2]	100.0
Pearson: Uncorrected chi2(1) =	14.3923				
Design-based F(1.00, 1606.00) =	9.1845	Pr =	0.002		
Total (n=1,618)	45.0	[41.9, 48.0]	55.0	[52.0, 58.1]	100.0

Note: Total n is less than universe N due to item non-response.

4.7 Q: In the last 12 months, has a doctor, nurse, or other health professional talked with you about diet and nutrition?

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

	Health professional discussed diet/nutrition in last 12 months				Total Row %
	Yes		No		
	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,487)	47.5	[44.3, 50.7]	52.5	[49.3, 55.7]	100.0
Churned off/on (n=125)	42.4	[32.4, 53.2]	57.6	[46.8, 67.6]	100.0
Pearson: Uncorrected chi2(1) =	1.4842				
Design-based F(1.00, 1600.00) =	0.7973	Pr =	0.372		
Age (DW)					
19-34 (n=430)	43.1	[37.8, 48.6]	56.9	[51.4, 62.2]	100.0
35-50 (n=514)	46.8	[41.6, 52.0]	53.2	[48.0, 58.4]	100.0
51-64 (n=671)	52.8	[48.1, 57.5]	47.2	[42.5, 51.9]	100.0
Pearson: Uncorrected chi2(2) =	9.6194				
Design-based F(1.92, 3071.81) =	3.2504	Pr =	0.041		
Gender (DW)					
Male (n=616)	43.1	[38.4, 47.8]	56.9	[52.2, 61.6]	100.0
Female (n=999)	50.6	[46.7, 54.5]	49.4	[45.5, 53.3]	100.0
Pearson: Uncorrected chi2(1) =	9.2128				
Design-based F(1.00, 1603.00) =	5.8147	Pr =	0.016		
Race/ethnicity, detailed (2016)					
White (n=1,058)	45.5	[41.8, 49.3]	54.5	[50.7, 58.2]	100.0
Black (n=332)	54.0	[47.5, 60.3]	46.0	[39.7, 52.5]	100.0
Hispanic (n=59)	43.0	[29.1, 58.2]	57.0	[41.8, 70.9]	100.0
Arab/Chaldean (n=71)	37.7	[25.7, 51.6]	62.3	[48.4, 74.3]	100.0
Other/more than one (n=76)	44.3	[31.2, 58.2]	55.7	[41.8, 68.8]	100.0
Pearson: Uncorrected chi2(4) =	13.5177				
Design-based F(3.94, 6241.19) =	1.8747	Pr =	0.113		
FPL category (DW)					
0-35% (n=796)	47.8	[43.5, 52.2]	52.2	[47.8, 56.5]	100.0
36-99% (n=474)	42.7	[37.2, 48.3]	57.3	[51.7, 62.8]	100.0
100%+ (n=345)	50.4	[43.8, 56.9]	49.6	[43.1, 56.2]	100.0
Pearson: Uncorrected chi2(2) =	4.9346				
Design-based F(1.99, 3196.30) =	1.6844	Pr =	0.186		
Region (DW)					
UP/NW/NE (n=295)	42.9	[36.5, 49.6]	57.1	[50.4, 63.5]	100.0
W/E Central/E (n=537)	47.2	[42.2, 52.2]	52.8	[47.8, 57.8]	100.0
S Central/SW/SE (n=317)	45.0	[38.5, 51.6]	55.0	[48.4, 61.5]	100.0
Detroit Metro (n=466)	48.3	[43.1, 53.6]	51.7	[46.4, 56.9]	100.0
Pearson: Uncorrected chi2(3) =	1.8984				
Design-based F(2.70, 4324.27) =	0.5131	Pr =	0.654		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,088)	52.7	[48.9, 56.4]	47.3	[43.6, 51.1]	100.0
No (n=527)	37.3	[32.5, 42.5]	62.7	[57.5, 67.5]	100.0
Pearson: Uncorrected chi2(1) =	35.7389				
Design-based F(1.00, 1603.00) =	21.9150	Pr =	0.000		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,049)	51.0	[47.2, 54.8]	49.0	[45.2, 52.8]	100.0
No (n=566)	39.5	[34.6, 44.7]	60.5	[55.3, 65.4]	100.0
Pearson: Uncorrected chi2(1) =	19.5021				
Design-based F(1.00, 1603.00) =	12.3844	Pr =	0.000		
Total (n=1,615)	46.9	[43.9, 50.0]	53.1	[50.0, 56.1]	100.0

Note: Total n is less than universe N due to item non-response.

4.8 Q: In the last 7 days, how many days did you have [5 or more for men, 4 or more for women] alcoholic drinks?

Follow-up group(s): Enrolled
 Universe: All respondents (N=1,622)

	Binge drinking frequency in last 7 days								Total Row %
	Every day Row %	95% CI	3-6 days Row %	95% CI	1-2 days Row %	95% CI	0 days Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)									
Stayed on (n=1,493)	0.7	[0.4, 1.4]	4.5	[3.3, 6.1]	14.3	[12.1, 16.7]	80.4	[77.7, 82.9]	100.0
Churned off/on (n=125)	1.3	[0.3, 5.2]	5.4	[2.1, 13.1]	19.5	[12.2, 29.8]	73.8	[63.1, 82.2]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.82, 4535.91) =	4.3037 0.8488	Pr =	0.461						
Age (DW)									
19-34 (n=433)	0.8	[0.3, 2.4]	4.5	[2.6, 7.6]	17.2	[13.4, 21.8]	77.5	[72.5, 81.9]	100.0
35-50 (n=516)	0.6	[0.1, 2.0]	4.7	[2.9, 7.5]	12.8	[9.5, 16.9]	81.9	[77.4, 85.7]	100.0
51-64 (n=672)	1.1	[0.5, 2.2]	5.0	[3.3, 7.7]	13.9	[10.9, 17.5]	80.0	[75.9, 83.5]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.65, 9097.44) =	6.0373 0.6877	Pr =	0.651						
Gender (DW)									
Male (n=620)	0.6	[0.2, 1.7]	7.3	[5.1, 10.2]	16.6	[13.3, 20.4]	75.5	[71.2, 79.4]	100.0
Female (n=1,001)	0.9	[0.5, 2.0]	2.3	[1.4, 3.6]	13.1	[10.5, 16.1]	83.7	[80.6, 86.5]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.94, 4734.04) =	28.9084 6.9145	Pr =	0.000						
Race/ethnicity, detailed (2016)									
White (n=1,061)	0.7	[0.3, 1.4]	4.7	[3.3, 6.7]	11.6	[9.4, 14.3]	83.0	[79.9, 85.6]	100.0
Black (n=333)	0.8	[0.3, 2.2]	6.0	[3.6, 9.8]	21.7	[16.8, 27.6]	71.5	[65.3, 77.0]	100.0
Hispanic (n=60)	0.0		0.0		13.1	[5.4, 28.6]	86.9	[71.4, 94.6]	100.0
Arab/Chaldean (n=71)	2.2	[0.3, 14.0]	0.7	[0.1, 5.0]	10.4	[4.6, 21.7]	86.7	[74.8, 93.5]	100.0
Other/more than one (n=77)	1.1	[0.2, 7.5]	7.6	[2.4, 21.7]	18.5	[9.3, 33.4]	72.8	[57.6, 84.1]	100.0
Pearson: Uncorrected chi2(12) = Design-based F(10.65, 16934.72) =	42.1733 2.1329	Pr =	0.016						
FPL category (DW)									
0-35% (n=800)	0.7	[0.3, 1.5]	5.4	[3.7, 7.8]	15.4	[12.4, 18.9]	78.5	[74.7, 81.9]	100.0
36-99% (n=475)	0.6	[0.2, 1.8]	3.6	[1.9, 6.8]	12.8	[9.4, 17.2]	82.9	[78.1, 86.8]	100.0
100%+ (n=346)	1.4	[0.4, 4.6]	4.2	[2.2, 8.0]	15.7	[11.3, 21.4]	78.7	[72.5, 83.8]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.81, 9346.57) =	6.3453 0.7335	Pr =	0.618						
Region (DW)									
UP/NW/NE (n=295)	1.6	[0.8, 3.4]	5.2	[2.4, 10.9]	11.7	[8.2, 16.6]	81.4	[75.3, 86.3]	100.0
W/E Central/E (n=539)	1.2	[0.5, 2.9]	6.5	[4.2, 9.8]	13.8	[10.6, 17.9]	78.5	[73.8, 82.5]	100.0
S Central/SW/SE (n=320)	0.5	[0.1, 2.2]	5.7	[3.1, 10.4]	12.3	[8.7, 17.2]	81.5	[75.6, 86.2]	100.0
Detroit Metro (n=467)	0.5	[0.1, 2.1]	3.1	[1.7, 5.5]	17.0	[13.3, 21.4]	79.5	[74.8, 83.5]	100.0
Pearson: Uncorrected chi2(9) = Design-based F(7.88, 12673.12) =	16.0765 1.3928	Pr =	0.195						
Chronic condition (2016, 2017, 2018)									
Yes (n=1,092)	1.1	[0.6, 2.1]	5.4	[3.9, 7.5]	12.9	[10.5, 15.7]	80.6	[77.4, 83.5]	100.0
No (n=529)	0.2	[0.1, 1.1]	3.6	[2.1, 6.1]	17.9	[14.2, 22.4]	78.2	[73.5, 82.3]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.79, 4495.97) =	13.3158 3.0629	Pr =	0.030						
MH/SUD (2016, 2017, 2018 or DW)									
Yes (n=1,053)	0.9	[0.5, 1.7]	5.1	[3.6, 7.1]	14.1	[11.6, 17.0]	79.9	[76.6, 82.8]	100.0
No (n=568)	0.6	[0.1, 2.4]	4.0	[2.3, 6.7]	16.0	[12.4, 20.4]	79.4	[74.7, 83.4]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(3.00, 4821.11) =	2.4962 0.4926	Pr =	0.687						
Total (n=1,621)	0.8	[0.4, 1.4]	4.7	[3.5, 6.3]	14.8	[12.7, 17.2]	79.7	[77.1, 82.1]	100.0

Note: Total n is less than universe N due to item non-response.

4.8.1 Q: In the last 12 months, has a doctor, nurse, or other health professional talked with you about safe alcohol use?

Follow-up group(s): Enrolled

Universe: Respondents who had [5 or more for men, 4 or more for women] alcoholic drinks on one or more days in the last 7 days (N=301)

	Health professional discussed safe alcohol use in last 12 months				Total Row %
	Yes		No		
	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=267)	33.4	[26.8, 40.7]	66.6	[59.3, 73.2]	100.0
Churned off/on (n=32)	38.6	[19.9, 61.2]	61.4	[38.8, 80.1]	100.0
Pearson: Uncorrected chi2(1) =	0.3968				
Design-based F(1.00, 287.00) =	0.2041	Pr =	0.652		
Age (DW)					
19-34 (n=88)	24.9	[16.0, 36.8]	75.1	[63.2, 84.0]	100.0
35-50 (n=87)	40.6	[28.7, 53.7]	59.4	[46.3, 71.3]	100.0
51-64 (n=125)	40.7	[30.8, 51.4]	59.3	[48.6, 69.2]	100.0
Pearson: Uncorrected chi2(2) =	8.0830				
Design-based F(1.90, 546.63) =	2.7506	Pr =	0.068		
Gender (DW)					
Male (n=150)	36.4	[27.7, 46.2]	63.6	[53.8, 72.3]	100.0
Female (n=150)	30.2	[21.9, 40.1]	69.8	[59.9, 78.1]	100.0
Pearson: Uncorrected chi2(1) =	1.2517				
Design-based F(1.00, 288.00) =	0.8675	Pr =	0.352		
Race/ethnicity, detailed (2016)					
White (n=180)	28.7	[21.4, 37.3]	71.3	[62.7, 78.6]	100.0
Black (n=88)	38.6	[27.3, 51.2]	61.4	[48.8, 72.7]	100.0
Hispanic (n=6)	43.7	[10.8, 83.3]	56.3	[16.7, 89.2]	100.0
Arab/Chaldean (n=9)	0.0		100.0		100.0
Other/more than one (n=12)	54.0	[25.4, 80.2]	46.0	[19.8, 74.6]	100.0
Pearson: Uncorrected chi2(4) =	14.1936				
Design-based F(3.85, 1089.30) =	1.9974	Pr =	0.096		
FPL category (DW)					
0-35% (n=158)	33.0	[24.5, 42.6]	67.0	[57.4, 75.5]	100.0
36-99% (n=76)	40.2	[27.4, 54.6]	59.8	[45.4, 72.6]	100.0
100%+ (n=66)	29.2	[17.8, 44.1]	70.8	[55.9, 82.2]	100.0
Pearson: Uncorrected chi2(2) =	1.8633				
Design-based F(1.99, 573.85) =	0.6462	Pr =	0.524		
Region (DW)					
UP/NW/NE (n=54)	30.8	[18.9, 45.9]	69.2	[54.1, 81.1]	100.0
W/E Central/E (n=101)	33.9	[24.3, 45.1]	66.1	[54.9, 75.7]	100.0
S Central/SW/SE (n=57)	36.8	[22.5, 53.8]	63.2	[46.2, 77.5]	100.0
Detroit Metro (n=88)	33.3	[23.0, 45.4]	66.7	[54.6, 77.0]	100.0
Pearson: Uncorrected chi2(3) =	0.3090				
Design-based F(2.63, 758.12) =	0.0850	Pr =	0.955		
Chronic condition (2016, 2017, 2018)					
Yes (n=195)	40.6	[32.2, 49.6]	59.4	[50.4, 67.8]	100.0
No (n=105)	23.9	[15.3, 35.3]	76.1	[64.7, 84.7]	100.0
Pearson: Uncorrected chi2(1) =	8.9786				
Design-based F(1.00, 288.00) =	5.4369	Pr =	0.020		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=195)	40.0	[31.8, 48.7]	60.0	[51.3, 68.2]	100.0
No (n=105)	22.9	[14.0, 35.3]	77.1	[64.7, 86.0]	100.0
Pearson: Uncorrected chi2(1) =	8.9249				
Design-based F(1.00, 288.00) =	5.2165	Pr =	0.023		
Total (n=300)	33.9	[27.5, 40.9]	66.1	[59.1, 72.5]	100.0

Note: Total n is less than universe N due to item non-response.

4.9 Q: In the last 30 days have you smoked or used tobacco?

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

	Smoked or used tobacco last 30 days?				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,493)	34.8	[31.9, 37.9]	65.2	[62.1, 68.1]	100.0
Churned off/on (n=125)	44.8	[34.5, 55.5]	55.2	[44.5, 65.5]	100.0
Pearson: Uncorrected chi2(1) =	6.1985				
Design-based F(1.00, 1606.00) =	3.2757	Pr =	0.070		
Age (DW)					
19-34 (n=433)	31.4	[26.5, 36.6]	68.6	[63.4, 73.5]	100.0
35-50 (n=515)	41.1	[36.1, 46.4]	58.9	[53.6, 63.9]	100.0
51-64 (n=673)	34.9	[30.6, 39.5]	65.1	[60.5, 69.4]	100.0
Pearson: Uncorrected chi2(2) =	12.6159				
Design-based F(1.91, 3072.31) =	4.1974	Pr =	0.017		
Gender (DW)					
Male (n=620)	40.1	[35.5, 44.9]	59.9	[55.1, 64.5]	100.0
Female (n=1,001)	31.6	[28.1, 35.3]	68.4	[64.7, 71.9]	100.0
Pearson: Uncorrected chi2(1) =	12.8712				
Design-based F(1.00, 1609.00) =	8.1158	Pr =	0.004		
Race/ethnicity, detailed (2016)					
White (n=1,061)	37.1	[33.5, 40.9]	62.9	[59.1, 66.5]	100.0
Black (n=333)	37.4	[31.4, 43.8]	62.6	[56.2, 68.6]	100.0
Hispanic (n=60)	33.5	[20.3, 49.9]	66.5	[50.1, 79.7]	100.0
Arab/Chaldean (n=71)	25.2	[14.9, 39.2]	74.8	[60.8, 85.1]	100.0
Other/more than one (n=77)	32.4	[21.2, 46.0]	67.6	[54.0, 78.8]	100.0
Pearson: Uncorrected chi2(4) =	7.0873				
Design-based F(3.95, 6285.92) =	0.9439	Pr =	0.437		
FPL category (DW)					
0-35% (n=799)	40.5	[36.4, 44.8]	59.5	[55.2, 63.6]	100.0
36-99% (n=475)	30.4	[25.4, 35.9]	69.6	[64.1, 74.6]	100.0
100%+ (n=347)	29.4	[23.7, 35.8]	70.6	[64.2, 76.3]	100.0
Pearson: Uncorrected chi2(2) =	19.5459				
Design-based F(2.00, 3210.77) =	6.5246	Pr =	0.001		
Region (DW)					
UP/NW/NE (n=296)	36.6	[30.3, 43.3]	63.4	[56.7, 69.7]	100.0
W/E Central/E (n=538)	37.3	[32.5, 42.2]	62.7	[57.8, 67.5]	100.0
S Central/SW/SE (n=320)	36.3	[30.3, 42.7]	63.7	[57.3, 69.7]	100.0
Detroit Metro (n=467)	34.3	[29.5, 39.5]	65.7	[60.5, 70.5]	100.0
Pearson: Uncorrected chi2(3) =	1.1773				
Design-based F(2.71, 4352.46) =	0.3176	Pr =	0.792		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,092)	37.5	[33.9, 41.2]	62.5	[58.8, 66.1]	100.0
No (n=529)	32.8	[28.0, 37.9]	67.2	[62.1, 72.0]	100.0
Pearson: Uncorrected chi2(1) =	3.6808				
Design-based F(1.00, 1609.00) =	2.1859	Pr =	0.139		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,052)	41.9	[38.2, 45.6]	58.1	[54.4, 61.8]	100.0
No (n=569)	24.6	[20.3, 29.4]	75.4	[70.6, 79.7]	100.0
Pearson: Uncorrected chi2(1) =	48.0998				
Design-based F(1.00, 1609.00) =	29.0852	Pr =	0.000		
Total (n=1,621)	35.7	[32.9, 38.7]	64.3	[61.3, 67.1]	100.0

Note: Total n is less than universe N due to item non-response.

4.9.1 Q: Do you want to quit smoking or using tobacco?

Follow-up group(s): Enrolled

Universe: Respondents who smoked or used tobacco in the last 30 days (N=559)

	Want to reduce or quit smoking or using tobacco						Total Row %
	Yes		No		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=510)	69.7	[64.3, 74.6]	28.6	[23.8, 33.9]	1.8	[0.7, 4.3]	100.0
Churned off/on (n=49)	80.4	[65.5, 89.9]	15.1	[7.3, 28.8]	4.5	[0.9, 19.1]	100.0
Pearson: Uncorrected chi2(2) =	7.1856						
Design-based F(1.97, 1078.32) =	2.0354	Pr =	0.132				
Age (DW)							
19-34 (n=126)	58.8	[48.8, 68.2]	38.1	[29.0, 48.1]	3.1	[0.9, 10.1]	100.0
35-50 (n=203)	75.1	[67.1, 81.6]	22.8	[16.5, 30.6]	2.1	[0.7, 6.4]	100.0
51-64 (n=230)	80.8	[74.4, 86.0]	18.4	[13.4, 24.9]	0.7	[0.2, 2.3]	100.0
Pearson: Uncorrected chi2(4) =	22.5824						
Design-based F(3.34, 1824.40) =	4.2841	Pr =	0.004				
Gender (DW)							
Male (n=247)	70.7	[63.1, 77.2]	26.5	[20.3, 33.8]	2.9	[1.1, 7.5]	100.0
Female (n=312)	71.4	[64.8, 77.3]	27.4	[21.6, 34.1]	1.2	[0.5, 2.9]	100.0
Pearson: Uncorrected chi2(2) =	1.9717						
Design-based F(1.94, 1060.78) =	0.7422	Pr =	0.472				
Race/ethnicity, detailed (2016)							
White (n=386)	65.7	[59.3, 71.6]	31.5	[25.9, 37.8]	2.7	[1.2, 6.1]	100.0
Black (n=115)	79.1	[68.5, 86.7]	20.9	[13.3, 31.5]	0.0		100.0
Hispanic (n=14)	85.5	[56.1, 96.5]	14.5	[3.5, 43.9]	0.0		100.0
Arab/Chaldean (n=15)	56.8	[29.2, 80.7]	43.2	[19.3, 70.8]	0.0		100.0
Other/more than one (n=24)	86.8	[58.1, 96.9]	3.7	[0.9, 14.8]	9.5	[1.4, 44.4]	100.0
Pearson: Uncorrected chi2(8) =	32.4660						
Design-based F(7.23, 3916.67) =	2.2311	Pr =	0.027				
FPL category (DW)							
0-35% (n=317)	73.9	[67.4, 79.4]	24.7	[19.3, 31.1]	1.4	[0.4, 4.9]	100.0
36-99% (n=142)	70.2	[59.8, 78.8]	29.3	[20.6, 39.7]	0.6	[0.1, 2.4]	100.0
100%+ (n=100)	60.8	[47.8, 72.4]	32.2	[21.4, 45.3]	7.0	[2.4, 19.1]	100.0
Pearson: Uncorrected chi2(4) =	15.6073						
Design-based F(3.46, 1892.60) =	2.8398	Pr =	0.030				
Region (DW)							
UP/NW/NE (n=108)	70.4	[60.1, 78.9]	29.0	[20.6, 39.2]	0.6	[0.1, 4.2]	100.0
W/E Central/E (n=193)	70.2	[62.0, 77.3]	25.7	[19.2, 33.4]	4.1	[1.6, 10.5]	100.0
S Central/SW/SE (n=121)	67.4	[56.7, 76.6]	31.2	[22.1, 42.0]	1.4	[0.3, 5.8]	100.0
Detroit Metro (n=137)	73.3	[63.8, 81.0]	25.5	[18.0, 34.9]	1.2	[0.2, 8.2]	100.0
Pearson: Uncorrected chi2(6) =	6.3950						
Design-based F(4.40, 2407.12) =	0.8437	Pr =	0.506				
Chronic condition (2016, 2017, 2018)							
Yes (n=402)	73.9	[67.9, 79.1]	24.1	[19.1, 29.9]	2.0	[0.7, 5.6]	100.0
No (n=157)	65.5	[56.0, 73.8]	32.3	[24.1, 41.6]	2.3	[0.7, 6.9]	100.0
Pearson: Uncorrected chi2(2) =	4.4402						
Design-based F(2.00, 1093.85) =	1.3014	Pr =	0.273				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=427)	69.4	[63.6, 74.7]	28.8	[23.7, 34.6]	1.8	[0.7, 4.5]	100.0
No (n=132)	75.9	[65.5, 84.0]	21.0	[13.6, 31.1]	3.1	[0.8, 11.7]	100.0
Pearson: Uncorrected chi2(2) =	3.7853						
Design-based F(1.98, 1083.03) =	1.0437	Pr =	0.352				
Total (n=559)	71.0	[66.0, 75.6]	26.9	[22.5, 31.8]	2.1	[1.0, 4.5]	100.0

4.9.1.1 Q: Are you working on cutting back or quitting right now?

Follow-up group(s): Enrolled

Universe: Respondents who smoked or used tobacco in the last 30 days and want to reduce or quit smoking or using tobacco (N=399)

	Attempting to quit smoking or using tobacco				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=363)	91.5	[87.0, 94.6]	8.5	[5.4, 13.0]	100.0
Churned off/on (n=35)	92.5	[76.2, 97.9]	7.5	[2.1, 23.8]	100.0
Pearson: Uncorrected chi2(1) =	0.0543				
Design-based F(1.00, 386.00) =	0.0305	Pr =	0.861		
Age (DW)					
19-34 (n=74)	91.0	[81.2, 96.0]	9.0	[4.0, 18.8]	100.0
35-50 (n=151)	92.1	[84.2, 96.2]	7.9	[3.8, 15.8]	100.0
51-64 (n=173)	91.7	[84.8, 95.6]	8.3	[4.4, 15.2]	100.0
Pearson: Uncorrected chi2(2) =	0.0996				
Design-based F(1.94, 747.93) =	0.0321	Pr =	0.965		
Gender (DW)					
Male (n=177)	94.6	[89.0, 97.5]	5.4	[2.5, 11.0]	100.0
Female (n=221)	88.1	[80.9, 92.8]	11.9	[7.2, 19.1]	100.0
Pearson: Uncorrected chi2(1) =	5.4909				
Design-based F(1.00, 386.00) =	3.2870	Pr =	0.071		
Race/ethnicity, detailed (2016)					
White (n=259)	93.2	[89.2, 95.7]	6.8	[4.3, 10.8]	100.0
Black (n=94)	88.3	[77.1, 94.4]	11.7	[5.6, 22.9]	100.0
Hispanic (n=12)	84.0	[39.5, 97.7]	16.0	[2.3, 60.5]	100.0
Arab/Chaldean (n=8)	91.3	[54.7, 98.9]	8.7	[1.1, 45.3]	100.0
Other/more than one (n=21)	100.0		0.0		100.0
Pearson: Uncorrected chi2(4) =	6.2201				
Design-based F(3.59, 1371.07) =	0.8773	Pr =	0.468		
FPL category (DW)					
0-35% (n=232)	90.6	[84.4, 94.5]	9.4	[5.5, 15.6]	100.0
36-99% (n=97)	94.2	[87.3, 97.4]	5.8	[2.6, 12.7]	100.0
100%+ (n=69)	92.4	[82.9, 96.8]	7.6	[3.2, 17.1]	100.0
Pearson: Uncorrected chi2(2) =	1.1269				
Design-based F(1.96, 755.17) =	0.5600	Pr =	0.568		
Region (DW)					
UP/NW/NE (n=73)	94.3	[87.2, 97.5]	5.7	[2.5, 12.8]	100.0
W/E Central/E (n=137)	96.4	[91.3, 98.6]	3.6	[1.4, 8.7]	100.0
S Central/SW/SE (n=82)	90.7	[81.4, 95.6]	9.3	[4.4, 18.6]	100.0
Detroit Metro (n=106)	88.3	[79.3, 93.7]	11.7	[6.3, 20.7]	100.0
Pearson: Uncorrected chi2(3) =	6.5856				
Design-based F(2.54, 980.24) =	2.3597	Pr =	0.081		
Chronic condition (2016, 2017, 2018)					
Yes (n=296)	93.4	[88.6, 96.2]	6.6	[3.8, 11.4]	100.0
No (n=102)	88.0	[78.1, 93.8]	12.0	[6.2, 21.9]	100.0
Pearson: Uncorrected chi2(1) =	3.2255				
Design-based F(1.00, 386.00) =	1.9386	Pr =	0.165		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=300)	92.4	[87.7, 95.5]	7.6	[4.5, 12.3]	100.0
No (n=98)	89.5	[78.7, 95.1]	10.5	[4.9, 21.3]	100.0
Pearson: Uncorrected chi2(1) =	0.8822				
Design-based F(1.00, 386.00) =	0.5212	Pr =	0.471		
Total (n=398)	91.7	[87.5, 94.5]	8.3	[5.5, 12.5]	100.0

Note: Total n is less than universe N due to item non-response.

4.9.2 Q: In the last 12 months, did you receive any advice or assistance from a health professional or your health plan on how to quit or cut back on smoking?

Follow-up group(s): Enrolled

Universe: Respondents who smoked or used tobacco in the last 30 days (N=559)

	Got help with reducing/quitting tobacco in the last 12 months				Total Row %
	Yes		No		
	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=509)	50.0	[44.6, 55.4]	50.0	[44.6, 55.4]	100.0
Churned off/on (n=48)	43.2	[27.6, 60.2]	56.8	[39.8, 72.4]	100.0
Pearson: Uncorrected chi2(1) =	1.1328				
Design-based F(1.00, 545.00) =	0.5612	Pr =	0.454		
Age (DW)					
19-34 (n=126)	42.7	[33.3, 52.6]	57.3	[47.4, 66.7]	100.0
35-50 (n=201)	46.4	[38.1, 54.9]	53.6	[45.1, 61.9]	100.0
51-64 (n=230)	62.2	[54.0, 69.7]	37.8	[30.3, 46.0]	100.0
Pearson: Uncorrected chi2(2) =	13.4904				
Design-based F(1.91, 1042.03) =	4.5184	Pr =	0.012		
Gender (DW)					
Male (n=246)	45.5	[38.1, 53.1]	54.5	[46.9, 61.9]	100.0
Female (n=311)	53.6	[46.5, 60.6]	46.4	[39.4, 53.5]	100.0
Pearson: Uncorrected chi2(1) =	3.6663				
Design-based F(1.00, 545.00) =	2.3783	Pr =	0.124		
Race/ethnicity, detailed (2016)					
White (n=386)	51.4	[45.1, 57.7]	48.6	[42.3, 54.9]	100.0
Black (n=114)	48.2	[37.5, 59.1]	51.8	[40.9, 62.5]	100.0
Hispanic (n=13)	38.6	[15.6, 68.1]	61.4	[31.9, 84.4]	100.0
Arab/Chaldean (n=15)	16.1	[3.7, 49.2]	83.9	[50.8, 96.3]	100.0
Other/more than one (n=24)	62.1	[38.4, 81.1]	37.9	[18.9, 61.6]	100.0
Pearson: Uncorrected chi2(4) =	14.9749				
Design-based F(3.92, 2118.17) =	1.9486	Pr =	0.101		
FPL category (DW)					
0-35% (n=315)	52.4	[45.5, 59.2]	47.6	[40.8, 54.5]	100.0
36-99% (n=142)	37.1	[28.0, 47.2]	62.9	[52.8, 72.0]	100.0
100%+ (n=100)	54.1	[41.6, 66.1]	45.9	[33.9, 58.4]	100.0
Pearson: Uncorrected chi2(2) =	9.6962				
Design-based F(2.00, 1088.03) =	3.3992	Pr =	0.034		
Region (DW)					
UP/NW/NE (n=107)	56.7	[44.7, 67.9]	43.3	[32.1, 55.3]	100.0
W/E Central/E (n=192)	53.3	[44.8, 61.5]	46.7	[38.5, 55.2]	100.0
S Central/SW/SE (n=121)	47.1	[36.7, 57.7]	52.9	[42.3, 63.3]	100.0
Detroit Metro (n=137)	45.6	[36.6, 55.0]	54.4	[45.0, 63.4]	100.0
Pearson: Uncorrected chi2(3) =	3.5743				
Design-based F(2.72, 1482.70) =	0.9554	Pr =	0.407		
Chronic condition (2016, 2017, 2018)					
Yes (n=400)	53.3	[47.0, 59.4]	46.7	[40.6, 53.0]	100.0
No (n=157)	41.4	[32.4, 50.9]	58.6	[49.1, 67.6]	100.0
Pearson: Uncorrected chi2(1) =	7.1071				
Design-based F(1.00, 545.00) =	4.1942	Pr =	0.041		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=425)	53.3	[47.3, 59.2]	46.7	[40.8, 52.7]	100.0
No (n=132)	36.5	[27.1, 47.0]	63.5	[53.0, 72.9]	100.0
Pearson: Uncorrected chi2(1) =	11.6412				
Design-based F(1.00, 545.00) =	7.4548	Pr =	0.007		
Total (n=557)	49.2	[44.0, 54.4]	50.8	[45.6, 56.0]	100.0

Note: Total n is less than universe N due to item non-response.

4.10 Q: In the last 30 days, have you used drugs or medications to affect your mood or help you relax?

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

	Drug use in last 30 days				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,493)	5.8	[4.4, 7.6]	94.2	[92.4, 95.6]	100.0
Churned off/on (n=124)	6.4	[2.6, 14.6]	93.6	[85.4, 97.4]	100.0
Pearson: Uncorrected chi2(1) =	0.0747				
Design-based F(1.00, 1605.00) =	0.0364	Pr =	0.849		
Age (DW)					
19-34 (n=432)	6.5	[4.3, 9.7]	93.5	[90.3, 95.7]	100.0
35-50 (n=515)	5.1	[3.1, 8.4]	94.9	[91.6, 96.9]	100.0
51-64 (n=673)	5.9	[3.8, 9.2]	94.1	[90.8, 96.2]	100.0
Pearson: Uncorrected chi2(2) =	1.0679				
Design-based F(1.97, 3166.19) =	0.3070	Pr =	0.732		
Gender (DW)					
Male (n=618)	7.1	[5.0, 10.1]	92.9	[89.9, 95.0]	100.0
Female (n=1,002)	4.7	[3.1, 6.8]	95.3	[93.2, 96.9]	100.0
Pearson: Uncorrected chi2(1) =	4.5000				
Design-based F(1.00, 1608.00) =	2.5971	Pr =	0.107		
Race/ethnicity, detailed (2016)					
White (n=1,061)	6.0	[4.3, 8.3]	94.0	[91.7, 95.7]	100.0
Black (n=333)	5.4	[3.1, 9.4]	94.6	[90.6, 96.9]	100.0
Hispanic (n=60)	4.4	[1.1, 16.2]	95.6	[83.8, 98.9]	100.0
Arab/Chaldean (n=70)	4.0	[0.9, 15.6]	96.0	[84.4, 99.1]	100.0
Other/more than one (n=77)	7.5	[2.9, 18.3]	92.5	[81.7, 97.1]	100.0
Pearson: Uncorrected chi2(4) =	1.5822				
Design-based F(3.90, 6197.00) =	0.2108	Pr =	0.929		
FPL category (DW)					
0-35% (n=800)	6.8	[4.9, 9.5]	93.2	[90.5, 95.1]	100.0
36-99% (n=474)	3.7	[2.0, 6.7]	96.3	[93.3, 98.0]	100.0
100%+ (n=346)	6.1	[3.4, 10.7]	93.9	[89.3, 96.6]	100.0
Pearson: Uncorrected chi2(2) =	5.3385				
Design-based F(2.00, 3211.55) =	1.5892	Pr =	0.204		
Region (DW)					
UP/NW/NE (n=296)	3.7	[2.0, 6.9]	96.3	[93.1, 98.0]	100.0
W/E Central/E (n=538)	5.2	[3.4, 7.8]	94.8	[92.2, 96.6]	100.0
S Central/SW/SE (n=319)	7.1	[4.2, 11.7]	92.9	[88.3, 95.8]	100.0
Detroit Metro (n=467)	6.2	[4.0, 9.6]	93.8	[90.4, 96.0]	100.0
Pearson: Uncorrected chi2(3) =	2.5227				
Design-based F(2.55, 4105.95) =	0.6627	Pr =	0.551		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,093)	6.4	[4.7, 8.7]	93.6	[91.3, 95.3]	100.0
No (n=527)	4.9	[3.0, 7.9]	95.1	[92.1, 97.0]	100.0
Pearson: Uncorrected chi2(1) =	1.6582				
Design-based F(1.00, 1608.00) =	0.8782	Pr =	0.349		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,053)	7.9	[6.0, 10.4]	92.1	[89.6, 94.0]	100.0
No (n=567)	2.1	[0.9, 4.6]	97.9	[95.4, 99.1]	100.0
Pearson: Uncorrected chi2(1) =	22.9241				
Design-based F(1.00, 1608.00) =	11.3585	Pr =	0.001		
Total (n=1,620)	5.9	[4.5, 7.6]	94.1	[92.4, 95.5]	100.0

Note: Total n is less than universe N due to item non-response.

4.10.1 Q: How often?

Follow-up group(s): Enrolled

Universe: Respondents who used drugs or medications in the last 30 days to affect their mood or to help them relax (N=81)

Drug use frequency	Weighted Proportion	95% CI
Almost every day (n=40)	52.1	[38.2, 65.7]
Sometimes (n=21)	24.2	[14.4, 37.7]
Rarely (n=19)	23.7	[13.7, 37.7]
Total (n=80)	100.0	

Note: Total n is less than universe N due to item non-response.

4.10.1.1 Q: In the last 12 months, has a doctor, nurse, or other health professional talked with you about your use of these drugs or medications?

Follow-up group(s): Enrolled

Universe: Respondents who used drugs or medications almost everyday or sometimes in the last 30 days to affect their mood or to help them relax (N=61)

Health professional discussed drug use in last 12 months	Weighted Proportion
Yes (n=34)	50.6
No (n=27)	49.4
Total (n=61)	100.0

Note: Confidence interval omitted due to small sample size.

- 5 Aim 5: To understand HMP enrollees' decisions about when, where and how to seek care, including decisions about emergency department utilization.**

5.1 Q: In the last 12 months/since your Healthy Michigan Plan insurance ended, is there a place you usually go when you need a checkup, feel sick, or want advice about your health?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Regular source of care in last 12 months/since HMP coverage ended				Total Row %
	Yes		No		
	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,971)	93.9	[92.4, 95.2]	6.1	[4.8, 7.6]	100.0
Off for 6+ months (n=371)	84.6	[79.3, 88.7]	15.4	[11.3, 20.7]	100.0
Churned off/on (n=197)	83.6	[75.9, 89.1]	16.4	[10.9, 24.1]	100.0
Pearson: Uncorrected chi2(2) =	58.5257				
Design-based F(1.99, 5025.15) =	15.9188	Pr =	0.000		
Age (DW)					
19-34 (n=707)	90.4	[87.6, 92.6]	9.6	[7.4, 12.4]	100.0
35-50 (n=795)	89.5	[86.3, 92.0]	10.5	[8.0, 13.7]	100.0
51-64 (n=1,037)	95.9	[94.1, 97.1]	4.1	[2.9, 5.9]	100.0
Pearson: Uncorrected chi2(2) =	22.4040				
Design-based F(1.87, 4730.97) =	7.4531	Pr =	0.001		
Gender (DW)					
Male (n=960)	88.2	[85.4, 90.6]	11.8	[9.4, 14.6]	100.0
Female (n=1,579)	94.5	[92.9, 95.8]	5.5	[4.2, 7.1]	100.0
Pearson: Uncorrected chi2(1) =	32.3966				
Design-based F(1.00, 2527.00) =	20.3906	Pr =	0.000		
Race/ethnicity, detailed (2016)					
White (n=1,649)	92.4	[90.5, 93.9]	7.6	[6.1, 9.5]	100.0
Black (n=528)	91.3	[87.7, 93.9]	8.7	[6.1, 12.3]	100.0
Hispanic (n=104)	93.7	[85.1, 97.5]	6.3	[2.5, 14.9]	100.0
Arab/Chaldean (n=98)	91.3	[82.1, 96.0]	8.7	[4.0, 17.9]	100.0
Other/more than one (n=127)	82.6	[72.1, 89.8]	17.4	[10.2, 27.9]	100.0
Pearson: Uncorrected chi2(4) =	17.7812				
Design-based F(3.95, 9862.78) =	2.3399	Pr =	0.054		
FPL category (DW)					
0-35% (n=1,467)	91.6	[89.5, 93.3]	8.4	[6.7, 10.5]	100.0
36-99% (n=640)	90.4	[86.8, 93.2]	9.6	[6.8, 13.2]	100.0
100%+ (n=432)	92.8	[89.3, 95.2]	7.2	[4.8, 10.7]	100.0
Pearson: Uncorrected chi2(2) =	1.6748				
Design-based F(1.96, 4941.12) =	0.5367	Pr =	0.581		
Region (DW)					
UP/NW/NE (n=474)	93.6	[90.4, 95.8]	6.4	[4.2, 9.6]	100.0
W/E Central/E (n=803)	93.9	[91.5, 95.7]	6.1	[4.3, 8.5]	100.0
S Central/SW/SE (n=516)	88.2	[84.1, 91.4]	11.8	[8.6, 15.9]	100.0
Detroit Metro (n=746)	90.9	[88.1, 93.2]	9.1	[6.8, 11.9]	100.0
Pearson: Uncorrected chi2(3) =	13.7756				
Design-based F(2.70, 6827.86) =	3.3741	Pr =	0.021		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,712)	92.8	[90.9, 94.3]	7.2	[5.7, 9.1]	100.0
No (n=827)	89.4	[86.5, 91.7]	10.6	[8.3, 13.5]	100.0
Pearson: Uncorrected chi2(1) =	8.7411				
Design-based F(1.00, 2527.00) =	4.9129	Pr =	0.027		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,659)	92.6	[90.7, 94.2]	7.4	[5.8, 9.3]	100.0
No (n=880)	89.6	[86.7, 91.9]	10.4	[8.1, 13.3]	100.0
Pearson: Uncorrected chi2(1) =	7.0871				
Design-based F(1.00, 2527.00) =	4.0559	Pr =	0.044		
Total (n=2,539)	91.5	[90.0, 92.9]	8.5	[7.1, 10.0]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

5.1.1 All responses: In the last 12 months/since your Healthy Michigan Plan insurance ended, is there a place you usually go when you need a checkup, feel sick, or want advice about your health?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

Regular source of care in last 12 months/since HMP coverage ended	Weighted Proportion	95% CI
Yes (n=2,367)	88.9	[87.2, 90.4]
No (n=172)	8.2	[6.9, 9.8]
NA (n=67)	2.9	[2.2, 3.8]
Total (n=2,606)	100.0	

Note: Total n is less than universe N due to item non-response.

5.1.2 Q: What kind of a place was it?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who had a regular source of care (N=2,367)

	Type of regular source of care in last 12 months/since HMP coverage ended										Total Row %
	Clinic		Doctor's office		Urgent care/walk-in clinic		Emergency room		Other		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)											
Stayed on (n=1,570)	21.0	[18.8, 23.3]	68.1	[65.4, 70.7]	7.9	[6.4, 9.7]	2.8	[1.9, 4.0]	0.2	[0.1, 0.6]	100.0
Off for 6+ months (n=323)	22.5	[17.3, 28.7]	61.0	[54.3, 67.3]	12.9	[9.0, 18.1]	2.0	[0.9, 4.3]	1.7	[0.5, 5.6]	100.0
Churned off/on (n=171)	14.7	[10.0, 21.1]	62.3	[53.1, 70.7]	13.5	[8.1, 21.8]	6.4	[2.9, 13.4]	3.0	[0.9, 9.4]	100.0
Pearson: Uncorrected chi2(8) =	57.5978										
Design-based F(7.62, 17926.06) =	4.2372	Pr =	0.000								
Age (DW)											
19-34 (n=638)	16.8	[13.7, 20.4]	66.0	[61.6, 70.1]	12.9	[10.2, 16.2]	3.4	[2.1, 5.4]	0.9	[0.3, 2.7]	100.0
35-50 (n=731)	20.7	[17.4, 24.4]	67.4	[63.1, 71.4]	8.5	[6.2, 11.4]	3.0	[1.7, 5.3]	0.4	[0.1, 1.8]	100.0
51-64 (n=995)	25.9	[22.8, 29.4]	66.4	[62.6, 69.9]	4.7	[3.2, 6.7]	2.4	[1.3, 4.4]	0.7	[0.3, 1.6]	100.0
Pearson: Uncorrected chi2(8) =	46.8321										
Design-based F(7.66, 18008.54) =	3.5871	Pr =	0.000								
Gender (DW)											
Male (n=862)	21.2	[18.2, 24.6]	63.3	[59.3, 67.1]	11.1	[8.7, 14.1]	3.6	[2.3, 5.5]	0.8	[0.3, 2.2]	100.0
Female (n=1,502)	20.1	[17.8, 22.7]	69.4	[66.4, 72.2]	7.4	[5.9, 9.3]	2.5	[1.6, 3.9]	0.6	[0.2, 1.4]	100.0
Pearson: Uncorrected chi2(4) =	15.0739										
Design-based F(3.96, 9325.10) =	2.1696	Pr =	0.070								
Race/ethnicity, detailed (2016)											
White (n=1,544)	17.6	[15.4, 20.0]	71.3	[68.4, 74.0]	8.4	[6.8, 10.3]	2.3	[1.5, 3.5]	0.5	[0.2, 1.5]	100.0
Black (n=487)	25.5	[21.4, 30.2]	58.0	[52.7, 63.1]	11.0	[7.9, 15.1]	4.5	[2.6, 7.5]	1.1	[0.4, 3.1]	100.0
Hispanic (n=99)	22.0	[14.3, 32.2]	59.0	[46.9, 70.1]	13.8	[6.7, 26.3]	5.2	[1.6, 15.4]	0.0		100.0
Arab/Chaldean (n=90)	25.0	[16.1, 36.6]	67.7	[55.5, 77.8]	5.7	[1.9, 15.9]	0.0		1.7	[0.2, 10.9]	100.0
Other/more than one (n=112)	19.7	[12.2, 30.3]	66.8	[55.1, 76.7]	8.8	[4.2, 17.8]	4.6	[1.3, 14.9]	0.0		100.0
Pearson: Uncorrected chi2(16) =	53.6492										
Design-based F(15.55, 36065.02) =	1.7518	Pr =	0.033								
FPL category (DW)											
0-35% (n=1,368)	20.8	[18.3, 23.6]	65.6	[62.4, 68.7]	9.1	[7.3, 11.4]	3.4	[2.3, 5.0]	1.0	[0.5, 2.0]	100.0
36-99% (n=593)	19.2	[15.7, 23.3]	69.4	[64.5, 73.8]	8.5	[6.0, 11.9]	2.7	[1.4, 5.2]	0.3	[0.0, 2.1]	100.0
100%+ (n=403)	22.0	[17.6, 27.1]	66.3	[60.4, 71.7]	10.1	[6.8, 14.7]	1.6	[0.6, 4.1]	0.0		100.0
Pearson: Uncorrected chi2(8) =	11.4381										
Design-based F(7.85, 18465.29) =	0.8939	Pr =	0.519								
Region (DW)											
UP/NW/NE (n=447)	27.9	[23.3, 33.0]	62.2	[56.8, 67.3]	6.6	[4.2, 10.2]	2.8	[1.3, 5.6]	0.5	[0.2, 1.6]	100.0
W/E Central/E (n=762)	16.8	[14.0, 20.0]	70.2	[66.2, 74.0]	9.2	[6.9, 12.3]	2.6	[1.6, 4.4]	1.1	[0.4, 3.5]	100.0
S Central/SW/SE (n=469)	24.1	[19.8, 28.9]	63.0	[57.6, 68.1]	8.8	[6.1, 12.4]	3.9	[2.0, 7.4]	0.3	[0.1, 1.3]	100.0
Detroit Metro (n=686)	20.3	[17.1, 23.9]	66.5	[62.3, 70.5]	9.7	[7.4, 12.7]	2.9	[1.7, 5.0]	0.6	[0.2, 1.6]	100.0
Pearson: Uncorrected chi2(12) =	22.4738										
Design-based F(10.20, 23992.23) =	1.4398	Pr =	0.154								
Chronic condition (2016, 2017, 2018)											
Yes (n=1,619)	20.9	[18.6, 23.4]	67.4	[64.5, 70.3]	7.6	[6.0, 9.5]	3.2	[2.2, 4.7]	0.9	[0.4, 1.9]	100.0
No (n=745)	20.1	[16.9, 23.8]	65.1	[60.8, 69.1]	11.8	[9.2, 15.0]	2.6	[1.5, 4.5]	0.4	[0.1, 1.2]	100.0
Pearson: Uncorrected chi2(4) =	13.9600										
Design-based F(3.96, 9302.82) =	2.1324	Pr =	0.075								
MH/SUD (2016, 2017, 2018 or DW)											
Yes (n=1,571)	19.7	[17.4, 22.2]	68.0	[65.1, 70.9]	8.8	[7.1, 10.9]	3.0	[2.0, 4.4]	0.5	[0.2, 1.0]	100.0
No (n=793)	22.3	[19.0, 26.1]	63.9	[59.6, 67.9]	9.7	[7.4, 12.8]	3.0	[1.7, 5.1]	1.1	[0.4, 3.0]	100.0
Pearson: Uncorrected chi2(4) =	7.0124										
Design-based F(3.97, 9338.66) =	1.0016	Pr =	0.405								
Total (n=2,364)	20.6	[18.7, 22.7]	66.6	[64.1, 68.9]	9.1	[7.7, 10.8]	3.0	[2.2, 4.1]	0.7	[0.3, 1.3]	100.0

Note: Total n is less than universe N due to item non-response.

5.1.3 Regular source of care in last 12 months/since HMP coverage ended, detailed

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Regular source of care in last 12 months/since HMP coverage ended, detailed								Total Row %
	Doctor/clinic Row %	95% CI	Urgent care/walk-in clinic Row %	95% CI	Emergency room Row %	95% CI	None Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)									
Stayed on (n=2,003)	82.3	[80.0, 84.4]	7.3	[6.0, 9.0]	2.6	[1.8, 3.7]	7.8	[6.4, 9.5]	100.0
Off for 6+ months (n=397)	65.0	[59.0, 70.6]	10.1	[7.0, 14.2]	1.5	[0.7, 3.4]	23.4	[18.5, 29.1]	100.0
Churned off/on (n=203)	62.0	[53.3, 69.9]	10.9	[6.5, 17.8]	5.1	[2.4, 10.9]	22.0	[15.6, 30.1]	100.0
Pearson: Uncorrected chi2(6) =	132.1073								
Design-based F(5.80, 15036.16) =	12.6510	Pr =	0.000						
Age (DW)									
19-34 (n=735)	71.6	[67.7, 75.2]	11.2	[8.8, 14.1]	2.9	[1.8, 4.7]	14.3	[11.6, 17.5]	100.0
35-50 (n=809)	77.4	[73.5, 80.9]	7.4	[5.5, 10.1]	2.7	[1.5, 4.7]	12.5	[9.8, 15.8]	100.0
51-64 (n=1,059)	86.7	[83.8, 89.1]	4.4	[3.0, 6.3]	2.2	[1.2, 4.1]	6.7	[5.1, 8.8]	100.0
Pearson: Uncorrected chi2(6) =	57.5177								
Design-based F(5.74, 14879.89) =	6.0208	Pr =	0.000						
Gender (DW)									
Male (n=1,002)	71.5	[67.9, 74.8]	9.4	[7.3, 12.0]	3.0	[1.9, 4.6]	16.1	[13.5, 19.2]	100.0
Female (n=1,601)	83.2	[80.7, 85.4]	6.9	[5.5, 8.6]	2.3	[1.5, 3.7]	7.6	[6.1, 9.4]	100.0
Pearson: Uncorrected chi2(3) =	58.4376								
Design-based F(2.99, 7734.75) =	11.6312	Pr =	0.000						
Race/ethnicity, detailed (2016)									
White (n=1,693)	79.3	[76.7, 81.7]	7.5	[6.0, 9.2]	2.0	[1.3, 3.1]	11.2	[9.4, 13.4]	100.0
Black (n=536)	75.0	[70.2, 79.3]	9.9	[7.1, 13.6]	4.0	[2.3, 6.8]	11.1	[8.2, 14.9]	100.0
Hispanic (n=105)	75.1	[62.9, 84.2]	12.8	[6.2, 24.6]	4.8	[1.5, 14.3]	7.3	[3.2, 15.9]	100.0
Arab/Chaldean (n=106)	77.7	[66.9, 85.7]	4.8	[1.6, 13.5]	0.0		17.6	[10.6, 27.7]	100.0
Other/more than one (n=130)	70.9	[59.9, 79.8]	7.2	[3.4, 14.8]	3.8	[1.1, 12.4]	18.1	[10.9, 28.5]	100.0
Pearson: Uncorrected chi2(12) =	36.8773								
Design-based F(11.75, 30062.67) =	1.5752	Pr =	0.093						
FPL category (DW)									
0-35% (n=1,509)	76.7	[73.8, 79.4]	8.1	[6.5, 10.1]	3.0	[2.1, 4.5]	12.1	[10.1, 14.5]	100.0
36-99% (n=647)	78.8	[74.4, 82.7]	7.5	[5.3, 10.6]	2.4	[1.2, 4.6]	11.3	[8.3, 15.0]	100.0
100%+ (n=447)	78.7	[73.7, 83.1]	9.0	[6.1, 13.1]	1.4	[0.6, 3.7]	10.8	[7.9, 14.8]	100.0
Pearson: Uncorrected chi2(6) =	4.8971								
Design-based F(5.93, 15376.90) =	0.5209	Pr =	0.791						
Region (DW)									
UP/NW/NE (n=487)	81.3	[76.6, 85.2]	6.0	[3.8, 9.2]	2.5	[1.2, 5.1]	10.3	[7.4, 14.2]	100.0
W/E Central/E (n=820)	79.7	[76.0, 83.0]	8.5	[6.3, 11.3]	2.4	[1.4, 4.0]	9.5	[7.2, 12.4]	100.0
S Central/SW/SE (n=525)	75.1	[70.2, 79.5]	7.6	[5.3, 10.7]	3.3	[1.7, 6.4]	14.0	[10.6, 18.2]	100.0
Detroit Metro (n=771)	76.3	[72.6, 79.7]	8.6	[6.5, 11.2]	2.6	[1.5, 4.4]	12.5	[10.0, 15.6]	100.0
Pearson: Uncorrected chi2(9) =	10.7780								
Design-based F(8.15, 21109.89) =	0.8534	Pr =	0.557						
Chronic condition (2016, 2017, 2018)									
Yes (n=1,735)	80.4	[77.7, 82.8]	6.9	[5.5, 8.6]	2.9	[2.0, 4.3]	9.8	[8.0, 12.0]	100.0
No (n=868)	72.9	[69.1, 76.4]	10.1	[7.8, 12.9]	2.3	[1.3, 3.9]	14.8	[12.1, 17.9]	100.0
Pearson: Uncorrected chi2(3) =	25.8774								
Design-based F(3.00, 7769.25) =	4.9263	Pr =	0.002						
MH/SUD (2016, 2017, 2018 or DW)									
Yes (n=1,684)	79.8	[77.1, 82.2]	8.0	[6.5, 9.9]	2.7	[1.8, 4.0]	9.5	[7.8, 11.6]	100.0
No (n=919)	73.6	[69.8, 77.1]	8.3	[6.3, 10.9]	2.5	[1.5, 4.4]	15.6	[12.8, 18.8]	100.0
Pearson: Uncorrected chi2(3) =	22.1592								
Design-based F(2.99, 7757.95) =	4.1691	Pr =	0.006						
Total (n=2,603)	77.5	[75.3, 79.5]	8.1	[6.8, 9.6]	2.6	[1.9, 3.6]	11.7	[10.2, 13.5]	100.0

Note: Respondents were coded as "none" if they reported no regular source of care or "Not applicable." Total n is less than universe N due to item non-response.

5.1.3.1 Q: Is this the same place as your Healthy Michigan Plan primary care provider?

Follow-up group(s): Not Enrolled

Universe: Respondents who had a regular source of care that was a clinic or doctor's office since their HMP coverage ended/in the past 12 months (N=737)

	Regular source of care since HMP coverage ended is same as HMP PCP				Total Row %
	Yes		No		
	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=409)	90.7	[85.9, 94.0]	9.3	[6.0, 14.1]	100.0
Off for 6+ months (n=266)	66.3	[58.9, 73.0]	33.7	[27.0, 41.1]	100.0
Churned off/on (n=49)	87.0	[67.2, 95.7]	13.0	[4.3, 32.8]	100.0
Pearson: Uncorrected chi2(2) =	64.6804				
Design-based F(1.99, 1417.38) =	16.7453	Pr =	0.000		
Age (DW)					
19-34 (n=190)	72.6	[64.8, 79.1]	27.4	[20.9, 35.2]	100.0
35-50 (n=214)	82.0	[74.4, 87.7]	18.0	[12.3, 25.6]	100.0
51-64 (n=320)	90.4	[84.8, 94.1]	9.6	[5.9, 15.2]	100.0
Pearson: Uncorrected chi2(2) =	25.2227				
Design-based F(1.97, 1404.75) =	7.7182	Pr =	0.000		
Gender (DW)					
Male (n=253)	80.3	[73.2, 85.9]	19.7	[14.1, 26.8]	100.0
Female (n=471)	81.7	[76.9, 85.7]	18.3	[14.3, 23.1]	100.0
Pearson: Uncorrected chi2(1) =	0.2379				
Design-based F(1.00, 712.00) =	0.1345	Pr =	0.714		
Race/ethnicity, detailed (2016)					
White (n=464)	84.2	[79.4, 88.1]	15.8	[11.9, 20.6]	100.0
Black (n=151)	78.2	[69.0, 85.3]	21.8	[14.7, 31.0]	100.0
Hispanic (n=35)	79.0	[59.7, 90.5]	21.0	[9.5, 40.3]	100.0
Arab/Chaldean (n=26)	69.9	[46.1, 86.4]	30.1	[13.6, 53.9]	100.0
Other/more than one (n=36)	82.3	[57.4, 94.1]	17.7	[5.9, 42.6]	100.0
Pearson: Uncorrected chi2(4) =	6.7326				
Design-based F(3.95, 2767.77) =	0.9456	Pr =	0.436		
FPL category (DW)					
0-35% (n=536)	84.6	[80.0, 88.4]	15.4	[11.6, 20.0]	100.0
36-99% (n=126)	76.7	[66.4, 84.5]	23.3	[15.5, 33.6]	100.0
100%+ (n=62)	59.2	[44.3, 72.6]	40.8	[27.4, 55.7]	100.0
Pearson: Uncorrected chi2(2) =	25.3619				
Design-based F(1.99, 1419.62) =	8.4757	Pr =	0.000		
Region (DW)					
UP/NW/NE (n=140)	90.8	[84.2, 94.8]	9.2	[5.2, 15.8]	100.0
W/E Central/E (n=211)	80.3	[72.2, 86.4]	19.7	[13.6, 27.8]	100.0
S Central/SW/SE (n=153)	79.9	[70.5, 86.9]	20.1	[13.1, 29.5]	100.0
Detroit Metro (n=220)	80.1	[73.2, 85.5]	19.9	[14.5, 26.8]	100.0
Pearson: Uncorrected chi2(3) =	4.7248				
Design-based F(2.63, 1872.21) =	1.1953	Pr =	0.309		
Chronic condition (2016, 2017, 2018)					
Yes (n=501)	85.9	[81.4, 89.4]	14.1	[10.6, 18.6]	100.0
No (n=223)	73.0	[65.2, 79.6]	27.0	[20.4, 34.8]	100.0
Pearson: Uncorrected chi2(1) =	18.4645				
Design-based F(1.00, 712.00) =	10.8884	Pr =	0.001		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=485)	84.3	[79.7, 88.0]	15.7	[12.0, 20.3]	100.0
No (n=239)	75.4	[67.6, 81.9]	24.6	[18.1, 32.4]	100.0
Pearson: Uncorrected chi2(1) =	8.4690				
Design-based F(1.00, 712.00) =	4.8839	Pr =	0.027		
Total (n=724)	81.1	[77.1, 84.6]	18.9	[15.4, 22.9]	100.0

Note: Total n is less than universe N due to item non-response.

5.1.3.2 Q: Is this your primary care provider for your Healthy Michigan Plan coverage?

Follow-up group(s): Enrolled

Universe: Respondents who had a regular source of care that was a clinic or doctor's office in last 12 months (N=1,388)

Regular source of care is HMP PCP	Weighted Proportion	95% CI
Yes (n=1,349)	97.4	[96.1, 98.3]
No (n=28)	2.6	[1.7, 3.9]
Total (n=1,377)	100.0	

Note: Total n is less than universe N due to item non-response.

5.1.3.3 Q: Do you have a primary care provider for your Healthy Michigan Plan coverage?

Follow-up group(s): Enrolled

Universe: Respondents who did not name a doctor's office or clinic as their regular source of care (N=272)

Has PCP, but PCP not regular source of care	Weighted Proportion	95% CI
Yes (n=198)	72.4	[65.7, 78.2]
No (n=62)	23.3	[17.9, 29.8]
Don't know (n=12)	4.3	[2.2, 8.3]
Total (n=272)	100.0	

5.2 Reported having a primary care provider

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

	Reported having a primary care provider				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,480)	95.4	[93.8, 96.7]	4.6	[3.3, 6.2]	100.0
Churned off/on (n=125)	91.8	[83.6, 96.1]	8.2	[3.9, 16.4]	100.0
Pearson: Uncorrected chi2(1) =	4.1060				
Design-based F(1.00, 1593.00) =	2.1533	Pr =	0.142		
Age (DW)					
19-34 (n=427)	93.6	[90.4, 95.8]	6.4	[4.2, 9.6]	100.0
35-50 (n=512)	94.7	[91.5, 96.8]	5.3	[3.2, 8.5]	100.0
51-64 (n=669)	97.7	[96.1, 98.7]	2.3	[1.3, 3.9]	100.0
Pearson: Uncorrected chi2(2) =	9.3875				
Design-based F(1.78, 2841.77) =	3.2757	Pr =	0.044		
Gender (DW)					
Male (n=615)	93.7	[90.7, 95.7]	6.3	[4.3, 9.3]	100.0
Female (n=993)	96.4	[94.8, 97.6]	3.6	[2.4, 5.2]	100.0
Pearson: Uncorrected chi2(1) =	6.5023				
Design-based F(1.00, 1596.00) =	4.2172	Pr =	0.040		
Race/ethnicity, detailed (2016)					
White (n=1,051)	95.0	[92.9, 96.5]	5.0	[3.5, 7.1]	100.0
Black (n=332)	94.4	[90.4, 96.8]	5.6	[3.2, 9.6]	100.0
Hispanic (n=60)	99.0	[93.0, 99.9]	1.0	[0.1, 7.0]	100.0
Arab/Chaldean (n=70)	97.2	[82.9, 99.6]	2.8	[0.4, 17.1]	100.0
Other/more than one (n=77)	92.9	[82.8, 97.3]	7.1	[2.7, 17.2]	100.0
Pearson: Uncorrected chi2(4) =	4.5533				
Design-based F(3.35, 5284.52) =	0.6387	Pr =	0.607		
FPL category (DW)					
0-35% (n=794)	94.2	[91.6, 96.0]	5.8	[4.0, 8.4]	100.0
36-99% (n=471)	96.1	[93.3, 97.8]	3.9	[2.2, 6.7]	100.0
100%+ (n=343)	96.2	[92.4, 98.1]	3.8	[1.9, 7.6]	100.0
Pearson: Uncorrected chi2(2) =	3.2275				
Design-based F(1.99, 3181.21) =	1.0349	Pr =	0.355		
Region (DW)					
UP/NW/NE (n=294)	97.0	[92.7, 98.8]	3.0	[1.2, 7.3]	100.0
W/E Central/E (n=536)	94.5	[91.0, 96.7]	5.5	[3.3, 9.0]	100.0
S Central/SW/SE (n=315)	92.3	[87.9, 95.2]	7.7	[4.8, 12.1]	100.0
Detroit Metro (n=463)	96.3	[93.5, 97.9]	3.7	[2.1, 6.5]	100.0
Pearson: Uncorrected chi2(3) =	8.2069				
Design-based F(2.75, 4383.64) =	1.8250	Pr =	0.146		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,086)	95.7	[93.6, 97.1]	4.3	[2.9, 6.4]	100.0
No (n=522)	94.0	[91.1, 96.1]	6.0	[3.9, 8.9]	100.0
Pearson: Uncorrected chi2(1) =	2.1899				
Design-based F(1.00, 1596.00) =	1.2491	Pr =	0.264		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,046)	94.3	[92.0, 96.0]	5.7	[4.0, 8.0]	100.0
No (n=562)	96.5	[94.1, 97.9]	3.5	[2.1, 5.9]	100.0
Pearson: Uncorrected chi2(1) =	3.7052				
Design-based F(1.00, 1596.00) =	2.3663	Pr =	0.124		
Total (n=1,608)	95.1	[93.5, 96.3]	4.9	[3.7, 6.5]	100.0

Note: Total n is less than universe N due to item non-response.

5.2.1 Q: Is this the same primary care provider you had when we talked with you last year?

Follow-up group(s): Enrolled

Universe: Respondents who indicated they had a PCP (N=1,546)

	Same PCP as last year						Total Row %
	Yes		No		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=1,426)	81.7	[79.1, 84.0]	15.8	[13.6, 18.2]	2.6	[1.7, 3.8]	100.0
Churned off/on (n=116)	66.6	[55.5, 76.1]	30.9	[21.7, 42.0]	2.5	[0.7, 8.0]	100.0
Pearson: Uncorrected chi2(2) =	21.7981						
Design-based F(1.96, 3005.05) =	6.6755	Pr =	0.001				
Age (DW)							
19-34 (n=399)	79.8	[75.1, 83.8]	17.5	[13.7, 22.0]	2.8	[1.5, 5.0]	100.0
35-50 (n=490)	80.9	[76.5, 84.7]	16.3	[12.8, 20.6]	2.7	[1.5, 4.9]	100.0
51-64 (n=656)	79.9	[75.8, 83.5]	18.0	[14.7, 22.0]	2.0	[0.9, 4.4]	100.0
Pearson: Uncorrected chi2(4) =	1.0921						
Design-based F(3.93, 6022.24) =	0.1917	Pr =	0.941				
Gender (DW)							
Male (n=582)	80.5	[76.4, 84.0]	17.6	[14.2, 21.5]	1.9	[1.0, 3.8]	100.0
Female (n=963)	80.0	[76.7, 82.9]	16.9	[14.2, 20.0]	3.1	[2.0, 4.8]	100.0
Pearson: Uncorrected chi2(2) =	2.0867						
Design-based F(2.00, 3065.73) =	0.6834	Pr =	0.505				
Race/ethnicity, detailed (2016)							
White (n=1,012)	78.3	[74.9, 81.3]	18.5	[15.7, 21.6]	3.2	[2.1, 5.0]	100.0
Black (n=316)	79.7	[74.0, 84.5]	18.7	[14.2, 24.4]	1.5	[0.6, 3.8]	100.0
Hispanic (n=59)	88.6	[77.4, 94.6]	8.3	[3.5, 18.3]	3.2	[0.7, 13.6]	100.0
Arab/Chaldean (n=69)	89.7	[77.9, 95.5]	10.3	[4.5, 22.1]	0.0		100.0
Other/more than one (n=71)	82.8	[70.0, 90.9]	13.5	[6.5, 25.7]	3.7	[0.9, 14.1]	100.0
Pearson: Uncorrected chi2(8) =	16.7563						
Design-based F(7.72, 11697.69) =	1.3371	Pr =	0.222				
FPL category (DW)							
0-35% (n=760)	79.6	[75.9, 82.8]	18.4	[15.3, 22.0]	2.0	[1.1, 3.7]	100.0
36-99% (n=453)	83.7	[79.4, 87.3]	13.4	[10.2, 17.3]	2.9	[1.5, 5.5]	100.0
100%+ (n=332)	77.2	[70.9, 82.4]	19.3	[14.4, 25.4]	3.5	[1.8, 6.8]	100.0
Pearson: Uncorrected chi2(4) =	8.2190						
Design-based F(3.97, 6088.94) =	1.4926	Pr =	0.202				
Region (DW)							
UP/NW/NE (n=287)	84.3	[79.2, 88.3]	11.9	[8.5, 16.4]	3.9	[2.0, 7.4]	100.0
W/E Central/E (n=516)	74.0	[69.2, 78.3]	22.7	[18.6, 27.4]	3.3	[1.8, 5.7]	100.0
S Central/SW/SE (n=294)	76.2	[69.6, 81.8]	20.4	[15.2, 26.9]	3.3	[1.6, 7.1]	100.0
Detroit Metro (n=448)	85.0	[81.0, 88.4]	13.4	[10.3, 17.3]	1.5	[0.6, 3.6]	100.0
Pearson: Uncorrected chi2(6) =	27.8750						
Design-based F(5.25, 8043.94) =	3.6900	Pr =	0.002				
Chronic condition (2016, 2017, 2018)							
Yes (n=1,051)	79.0	[75.8, 81.9]	18.7	[15.9, 21.8]	2.3	[1.4, 3.8]	100.0
No (n=494)	82.3	[78.0, 85.9]	14.7	[11.4, 18.8]	2.9	[1.7, 5.1]	100.0
Pearson: Uncorrected chi2(2) =	4.3275						
Design-based F(2.00, 3058.67) =	1.4543	Pr =	0.234				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=1,001)	80.2	[77.1, 82.9]	17.4	[14.8, 20.3]	2.5	[1.6, 3.9]	100.0
No (n=544)	80.4	[75.7, 84.3]	17.0	[13.3, 21.5]	2.6	[1.4, 4.9]	100.0
Pearson: Uncorrected chi2(2) =	0.0499						
Design-based F(2.00, 3062.86) =	0.0165	Pr =	0.984				
Total (n=1,545)	80.2	[77.7, 82.5]	17.2	[15.1, 19.6]	2.5	[1.8, 3.7]	100.0

Note: Total n is less than universe N due to item non-response.

5.2.1.1 Q: Why did you change?

Follow-up group(s): Enrolled

Universe: Respondents who do not have the same PCP as last year (N=269)

Reason for changing PCP	Weighted Proportion	95% CI
Didn't like PCP/wanted new doctor (n=89)	32.9	[26.4, 40.2]
PCP office closed or moved (n=77)	27.0	[21.1, 34.0]
Other (n=42)	15.9	[11.3, 22.0]
PCP retired (n=28)	9.5	[6.0, 14.7]
Switched health plans, had to change PCP (n=12)	6.0	[3.1, 11.1]
Don't know (n=9)	4.2	[1.9, 9.3]
PCP no longer accepts Medicaid (n=12)	4.0	[1.9, 8.1]

Note: Respondents were able to provide multiple responses.

5.2.2 Q: Have you seen your primary care provider in the past 12 months?

Follow-up group(s): Enrolled

Universe: Respondents with a primary care provider (N=1,547)

	PCP visit in past 12 months				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,421)	85.7	[83.1, 88.0]	14.3	[12.0, 16.9]	100.0
Churned off/on (n=116)	75.7	[64.5, 84.2]	24.3	[15.8, 35.5]	100.0
Pearson: Uncorrected chi2(1) =	10.4986				
Design-based F(1.00, 1525.00) =	5.1461	Pr =	0.023		
Age (DW)					
19-34 (n=398)	83.2	[78.3, 87.1]	16.8	[12.9, 21.7]	100.0
35-50 (n=488)	82.6	[77.7, 86.6]	17.4	[13.4, 22.3]	100.0
51-64 (n=654)	90.0	[86.6, 92.6]	10.0	[7.4, 13.4]	100.0
Pearson: Uncorrected chi2(2) =	11.8942				
Design-based F(1.90, 2897.43) =	3.6308	Pr =	0.029		
Gender (DW)					
Male (n=582)	83.2	[79.0, 86.8]	16.8	[13.2, 21.0]	100.0
Female (n=958)	86.3	[82.9, 89.0]	13.7	[11.0, 17.1]	100.0
Pearson: Uncorrected chi2(1) =	2.7161				
Design-based F(1.00, 1528.00) =	1.4814	Pr =	0.224		
Race/ethnicity, detailed (2016)					
White (n=1,009)	87.7	[84.8, 90.1]	12.3	[9.9, 15.2]	100.0
Black (n=315)	81.1	[74.9, 86.1]	18.9	[13.9, 25.1]	100.0
Hispanic (n=59)	82.0	[64.5, 91.9]	18.0	[8.1, 35.5]	100.0
Arab/Chaldean (n=68)	84.4	[71.6, 92.1]	15.6	[7.9, 28.4]	100.0
Other/more than one (n=71)	75.0	[59.7, 85.9]	25.0	[14.1, 40.3]	100.0
Pearson: Uncorrected chi2(4) =	16.9190				
Design-based F(3.97, 5996.41) =	2.0544	Pr =	0.085		
FPL category (DW)					
0-35% (n=758)	84.5	[80.7, 87.7]	15.5	[12.3, 19.3]	100.0
36-99% (n=452)	83.2	[77.8, 87.4]	16.8	[12.6, 22.2]	100.0
100%+ (n=330)	87.9	[82.7, 91.6]	12.1	[8.4, 17.3]	100.0
Pearson: Uncorrected chi2(2) =	2.9943				
Design-based F(1.97, 3014.36) =	0.9011	Pr =	0.405		
Region (DW)					
UP/NW/NE (n=286)	90.3	[85.8, 93.4]	9.7	[6.6, 14.2]	100.0
W/E Central/E (n=515)	87.9	[83.9, 91.1]	12.1	[8.9, 16.1]	100.0
S Central/SW/SE (n=293)	82.9	[76.6, 87.8]	17.1	[12.2, 23.4]	100.0
Detroit Metro (n=446)	82.5	[77.7, 86.4]	17.5	[13.6, 22.3]	100.0
Pearson: Uncorrected chi2(3) =	10.1143				
Design-based F(2.59, 3962.38) =	2.5489	Pr =	0.063		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,049)	88.0	[84.9, 90.5]	12.0	[9.5, 15.1]	100.0
No (n=491)	79.3	[74.4, 83.5]	20.7	[16.5, 25.6]	100.0
Pearson: Uncorrected chi2(1) =	21.0299				
Design-based F(1.00, 1528.00) =	11.2639	Pr =	0.001		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=998)	88.6	[85.6, 91.1]	11.4	[8.9, 14.4]	100.0
No (n=542)	78.0	[73.0, 82.3]	22.0	[17.7, 27.0]	100.0
Pearson: Uncorrected chi2(1) =	31.0593				
Design-based F(1.00, 1528.00) =	16.8091	Pr =	0.000		
Total (n=1,540)	84.8	[82.2, 87.1]	15.2	[12.9, 17.8]	100.0

Note: Total n is less than universe N due to item non-response.

5.2.2.1 Q: Why haven't you seen your primary care provider in the past 12 months?

Follow-up group(s): Enrolled

Universe: Respondents who had not seen their PCP in the past 12 months (N=182)

Reasons for not seeing PCP	Weighted Proportion	95% CI
Healthy/didn't need care (n=88)	48.5	[39.8, 57.4]
Didn't get around to it (n=50)	28.2	[20.9, 36.8]
Transportation/logistics (n=13)	7.0	[3.6, 13.2]
See a specialist instead (n=8)	5.0	[2.2, 10.7]
Difficulty getting appointment (n=6)	4.6	[1.9, 11.0]
My PCP not available/had to see another provider (n=8)	4.5	[2.0, 9.9]
Other (n=5)	2.6	[0.9, 7.5]
Didn't like PCP/wanted a new doctor (n=6)	2.3	[0.8, 6.2]
Inconvenient hours (n=3)	1.7	[0.5, 6.1]
Don't like doctors in general (n=3)	0.8	[0.3, 2.3]

Note: Respondents were able to provide multiple responses.

5.3 Q: In the past 12 months, when you felt sick or wanted advice about your health, how easy or difficult was it to get an appointment to see your primary care provider?

Follow-up group(s): Enrolled
 Universe: All respondents (N=1,622)

	Very easy		Easy		Neutral		Difficult		Very difficult		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)											
Stayed on (n=1,425)	42.7	[39.5, 46.0]	38.7	[35.6, 41.9]	10.9	[9.1, 13.2]	6.0	[4.6, 7.8]	1.7	[1.0, 2.7]	100.0
Churned off/on (n=111)	36.9	[26.9, 48.2]	38.7	[28.2, 50.3]	10.9	[5.8, 19.6]	11.5	[5.9, 21.2]	2.0	[0.7, 6.0]	100.0
Pearson: Uncorrected chi2(4) =	7.1940										
Design-based F(3.78, 5767.72) =	1.0981	Pr =	0.354								
Age (DW)											
19-34 (n=400)	40.4	[35.0, 46.1]	36.7	[31.4, 42.4]	13.8	[10.4, 18.0]	7.4	[4.9, 11.1]	1.7	[0.9, 3.4]	100.0
35-50 (n=494)	42.8	[37.6, 48.2]	38.9	[33.9, 44.2]	9.8	[7.0, 13.4]	6.5	[4.3, 9.6]	2.0	[0.9, 4.4]	100.0
51-64 (n=645)	43.4	[38.7, 48.3]	41.3	[36.7, 46.1]	8.8	[6.5, 11.9]	5.1	[3.3, 7.9]	1.3	[0.7, 2.3]	100.0
Pearson: Uncorrected chi2(8) =	11.1876										
Design-based F(7.46, 11387.24) =	1.0029	Pr =	0.429								
Gender (DW)											
Male (n=575)	41.7	[36.9, 46.7]	40.3	[35.5, 45.2]	10.4	[7.8, 13.8]	6.1	[4.0, 9.1]	1.5	[0.7, 3.0]	100.0
Female (n=964)	42.4	[38.5, 46.4]	37.3	[33.6, 41.1]	11.6	[9.3, 14.4]	6.8	[5.0, 9.1]	1.9	[1.1, 3.3]	100.0
Pearson: Uncorrected chi2(4) =	2.2010										
Design-based F(3.97, 6063.67) =	0.3481	Pr =	0.844								
Race/ethnicity, detailed (2016)											
White (n=1,013)	41.9	[38.1, 45.8]	39.1	[35.4, 43.0]	11.4	[9.1, 14.2]	5.6	[4.1, 7.6]	1.9	[1.2, 3.1]	100.0
Black (n=313)	42.6	[36.2, 49.2]	37.5	[31.3, 44.2]	11.8	[8.1, 16.8]	7.3	[4.5, 11.6]	0.9	[0.2, 3.7]	100.0
Hispanic (n=58)	47.2	[32.4, 62.6]	26.7	[16.1, 40.9]	13.8	[6.9, 25.6]	5.3	[1.9, 13.9]	7.0	[1.7, 24.1]	100.0
Arab / Chaldean (n=68)	40.9	[28.1, 55.0]	45.0	[32.1, 58.5]	8.5	[3.6, 18.8]	5.6	[1.4, 19.7]	0.0		100.0
Other / more than one (n=69)	40.2	[26.9, 55.2]	41.8	[28.4, 56.4]	5.1	[2.1, 11.9]	11.2	[4.5, 25.2]	1.7	[0.4, 6.9]	100.0
Pearson: Uncorrected chi2(16) =	26.8012										
Design-based F(14.44, 21782.62) =	1.0188	Pr =	0.431								
FPL category (DW)											
0-35% (n=757)	40.2	[36.0, 44.7]	39.6	[35.4, 44.0]	12.2	[9.6, 15.4]	6.7	[4.8, 9.1]	1.3	[0.6, 2.8]	100.0
36-99% (n=450)	45.9	[40.1, 51.8]	37.8	[32.3, 43.6]	8.5	[5.8, 12.3]	5.1	[2.8, 9.1]	2.7	[1.5, 4.7]	100.0
100%+ (n=332)	42.0	[35.5, 48.8]	37.3	[31.1, 44.0]	11.3	[7.9, 15.9]	7.8	[4.6, 12.9]	1.6	[0.6, 4.0]	100.0
Pearson: Uncorrected chi2(8) =	11.2433										
Design-based F(7.81, 11923.99) =	0.9509	Pr =	0.472								
Region (DW)											
UP/NW/NE (n=288)	44.4	[37.8, 51.3]	39.1	[32.7, 45.9]	9.0	[5.9, 13.7]	5.7	[3.3, 9.8]	1.7	[0.7, 4.2]	100.0
W/E Central/E (n=513)	44.4	[39.4, 49.6]	33.7	[29.0, 38.7]	12.9	[9.8, 17.0]	6.7	[4.5, 10.0]	2.2	[1.1, 4.1]	100.0
S Central/SW/SE (n=296)	37.6	[31.1, 44.6]	40.6	[34.0, 47.5]	11.1	[7.6, 15.8]	8.1	[4.9, 13.2]	2.6	[1.3, 5.1]	100.0
Detroit Metro (n=442)	41.8	[36.5, 47.3]	41.2	[36.0, 46.7]	10.1	[7.3, 13.9]	5.8	[3.6, 9.0]	1.0	[0.3, 3.2]	100.0
Pearson: Uncorrected chi2(12) =	14.2251										
Design-based F(10.38, 15857.09) =	0.9485	Pr =	0.489								
Chronic condition (2016, 2017, 2018)											
Yes (n=1,060)	43.1	[39.3, 46.9]	38.8	[35.1, 42.5]	11.3	[9.1, 13.9]	5.1	[3.8, 6.8]	1.8	[1.0, 3.0]	100.0
No (n=479)	40.3	[35.0, 45.7]	38.6	[33.5, 44.1]	10.6	[7.7, 14.4]	8.9	[6.0, 13.0]	1.6	[0.7, 3.4]	100.0
Pearson: Uncorrected chi2(4) =	8.9664										
Design-based F(3.98, 6074.54) =	1.4154	Pr =	0.226								
MH/SUD (2016, 2017, 2018 or DW)											
Yes (n=1,021)	40.4	[36.7, 44.2]	38.0	[34.3, 41.8]	12.1	[9.8, 14.9]	7.4	[5.6, 9.8]	2.1	[1.3, 3.3]	100.0
No (n=518)	45.3	[39.9, 50.8]	40.1	[34.9, 45.6]	9.0	[6.5, 12.3]	4.6	[2.7, 7.7]	0.9	[0.3, 3.0]	100.0
Pearson: Uncorrected chi2(4) =	12.4871										
Design-based F(3.98, 6078.53) =	1.9240	Pr =	0.104								
Total (n=1,539)	42.1	[39.0, 45.2]	38.7	[35.7, 41.8]	11.0	[9.2, 13.2]	6.5	[5.0, 8.3]	1.7	[1.1, 2.6]	100.0

Note: Total n is less than universe N due to item non-response.

5.3.1 All responses: In the past 12 months, when you felt sick or wanted advice about your health, how easy or difficult was it to get an appointment to see your primary care provider?

Follow-up group(s): Enrolled

Universe: All respondents (N=1,622)

PCP appointment ease in past 12 months	Weighted Proportion	95% CI
Very easy (n=647)	39.5	[36.5, 42.5]
Easy (n=604)	36.3	[33.4, 39.3]
Neutral (n=163)	10.4	[8.7, 12.3]
Difficult (n=94)	6.1	[4.7, 7.8]
Very difficult (n=31)	1.6	[1.0, 2.5]
NA (n=83)	6.2	[4.8, 8.0]
Total (n=1,622)	100.0	

5.3.1.1 Q: What made it difficult?

Follow-up group(s): Enrolled

Universe: Respondents who had a difficult/very difficult time getting an appointment to see their PCP in the past 12 months (N=125)

Reasons PCP visit difficult	Weighted Proportion	95% CI
Difficulty getting appointment (n=91)	74.9	[64.6, 83.0]
My PCP not available/had to see another provider (n=21)	17.9	[10.6, 28.5]
Inconvenient hours (n=12)	11.2	[5.5, 21.6]
Transportation/logistics (n=7)	8.2	[3.3, 18.6]
No response from provider/provider's office not open (n=9)	6.5	[3.1, 13.1]
Other (n=5)	3.3	[0.9, 11.5]

Note: Respondents were able to provide multiple responses.

5.4 Q: During the past 12 months/since your Healthy Michigan Plan insurance ended, did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Any ER visit in past 12 months/since HMP coverage ended				Total Row %
	Yes		No		
	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=2,007)	31.6	[29.1, 34.2]	68.4	[65.8, 70.9]	100.0
Off for 6+ months (n=398)	20.8	[16.7, 25.6]	79.2	[74.4, 83.3]	100.0
Churned off/on (n=203)	39.7	[31.8, 48.2]	60.3	[51.8, 68.2]	100.0
Pearson: Uncorrected chi2(2) =	29.7709				
Design-based F(1.95, 5061.81) =	9.3080	Pr =	0.000		
Age (DW)					
19-34 (n=736)	32.6	[28.8, 36.6]	67.4	[63.4, 71.2]	100.0
35-50 (n=812)	30.0	[26.4, 33.8]	70.0	[66.2, 73.6]	100.0
51-64 (n=1,060)	28.6	[25.3, 32.2]	71.4	[67.8, 74.7]	100.0
Pearson: Uncorrected chi2(2) =	3.3779				
Design-based F(1.94, 5039.17) =	1.1731	Pr =	0.309		
Gender (DW)					
Male (n=1,004)	28.3	[25.1, 31.7]	71.7	[68.3, 74.9]	100.0
Female (n=1,604)	32.9	[30.1, 35.8]	67.1	[64.2, 69.9]	100.0
Pearson: Uncorrected chi2(1) =	6.5496				
Design-based F(1.00, 2596.00) =	4.1659	Pr =	0.041		
Race/ethnicity, detailed (2016)					
White (n=1,696)	28.3	[25.7, 31.0]	71.7	[69.0, 74.3]	100.0
Black (n=537)	36.1	[31.5, 41.1]	63.9	[58.9, 68.5]	100.0
Hispanic (n=105)	18.3	[11.0, 29.0]	81.7	[71.0, 89.0]	100.0
Arab/Chaldean (n=106)	33.1	[23.3, 44.7]	66.9	[55.3, 76.7]	100.0
Other/more than one (n=130)	35.2	[25.9, 45.8]	64.8	[54.2, 74.1]	100.0
Pearson: Uncorrected chi2(4) =	23.6910				
Design-based F(3.94, 10101.41) =	3.3298	Pr =	0.010		
FPL category (DW)					
0-35% (n=1,512)	31.7	[28.9, 34.7]	68.3	[65.3, 71.1]	100.0
36-99% (n=649)	28.4	[24.3, 33.0]	71.6	[67.0, 75.7]	100.0
100%+ (n=447)	29.8	[24.8, 35.4]	70.2	[64.6, 75.2]	100.0
Pearson: Uncorrected chi2(2) =	2.3917				
Design-based F(2.00, 5187.91) =	0.8118	Pr =	0.444		
Region (DW)					
UP/NW/NE (n=488)	25.5	[21.3, 30.2]	74.5	[69.8, 78.7]	100.0
W/E Central/E (n=822)	31.0	[27.4, 34.9]	69.0	[65.1, 72.6]	100.0
S Central/SW/SE (n=526)	31.1	[26.5, 36.1]	68.9	[63.9, 73.5]	100.0
Detroit Metro (n=772)	31.3	[27.7, 35.2]	68.7	[64.8, 72.3]	100.0
Pearson: Uncorrected chi2(3) =	3.2472				
Design-based F(2.72, 7054.34) =	0.8842	Pr =	0.440		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,739)	35.6	[32.8, 38.4]	64.4	[61.6, 67.2]	100.0
No (n=869)	22.8	[19.6, 26.4]	77.2	[73.6, 80.4]	100.0
Pearson: Uncorrected chi2(1) =	47.1943				
Design-based F(1.00, 2596.00) =	28.9076	Pr =	0.000		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,688)	37.3	[34.5, 40.2]	62.7	[59.8, 65.5]	100.0
No (n=920)	19.2	[16.2, 22.7]	80.8	[77.3, 83.8]	100.0
Pearson: Uncorrected chi2(1) =	92.8988				
Design-based F(1.00, 2596.00) =	57.1773	Pr =	0.000		
Total (n=2,608)	30.7	[28.5, 32.9]	69.3	[67.1, 71.5]	100.0

5.4.1 Q: Thinking about the last time you were at the emergency room, did you try to contact your usual provider's office before going to the emergency room?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who had an ER visit in the past 12 months/since HMP coverage ended (N=775)

	Tried to contact PCP before going to ER				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=587)	21.0	[17.3, 25.2]	79.0	[74.8, 82.7]	100.0
Off for 6+ months (n=87)	20.2	[12.4, 31.2]	79.8	[68.8, 87.6]	100.0
Churned off/on (n=81)	25.0	[15.8, 37.2]	75.0	[62.8, 84.2]	100.0
Pearson: Uncorrected chi2(2) =	0.9019				
Design-based F(1.96, 1457.18) =	0.3297	Pr =	0.715		
Age (DW)					
19-34 (n=230)	16.8	[12.0, 22.9]	83.2	[77.1, 88.0]	100.0
35-50 (n=257)	24.3	[18.8, 30.9]	75.7	[69.1, 81.2]	100.0
51-64 (n=268)	25.5	[19.4, 32.8]	74.5	[67.2, 80.6]	100.0
Pearson: Uncorrected chi2(2) =	7.2429				
Design-based F(1.96, 1458.65) =	2.5991	Pr =	0.076		
Gender (DW)					
Male (n=271)	14.7	[10.4, 20.3]	85.3	[79.7, 89.6]	100.0
Female (n=484)	26.8	[22.3, 31.9]	73.2	[68.1, 77.7]	100.0
Pearson: Uncorrected chi2(1) =	16.3209				
Design-based F(1.00, 743.00) =	10.5662	Pr =	0.001		
Race/ethnicity, detailed (2016)					
White (n=465)	21.6	[17.5, 26.3]	78.4	[73.7, 82.5]	100.0
Black (n=189)	20.7	[14.8, 28.1]	79.3	[71.9, 85.2]	100.0
Hispanic (n=19)	55.0	[28.9, 78.6]	45.0	[21.4, 71.1]	100.0
Arab/Chaldean (n=25)	17.1	[6.6, 37.6]	82.9	[62.4, 93.4]	100.0
Other/more than one (n=46)	16.8	[6.3, 37.8]	83.2	[62.2, 93.7]	100.0
Pearson: Uncorrected chi2(4) =	14.8113				
Design-based F(3.91, 2860.91) =	2.1032	Pr =	0.079		
FPL category (DW)					
0-35% (n=466)	19.0	[15.3, 23.3]	81.0	[76.7, 84.7]	100.0
36-99% (n=172)	27.6	[20.0, 36.8]	72.4	[63.2, 80.0]	100.0
100%+ (n=117)	23.0	[14.6, 34.3]	77.0	[65.7, 85.4]	100.0
Pearson: Uncorrected chi2(2) =	5.5935				
Design-based F(2.00, 1482.99) =	1.8757	Pr =	0.154		
Region (DW)					
UP/NW/NE (n=120)	18.6	[12.7, 26.4]	81.4	[73.6, 87.3]	100.0
W/E Central/E (n=242)	20.2	[15.1, 26.5]	79.8	[73.5, 84.9]	100.0
S Central/SW/SE (n=160)	26.9	[19.6, 35.8]	73.1	[64.2, 80.4]	100.0
Detroit Metro (n=233)	20.3	[15.1, 26.8]	79.7	[73.2, 84.9]	100.0
Pearson: Uncorrected chi2(3) =	3.2634				
Design-based F(2.60, 1934.28) =	0.9981	Pr =	0.385		
Chronic condition (2016, 2017, 2018)					
Yes (n=574)	21.5	[17.8, 25.7]	78.5	[74.3, 82.2]	100.0
No (n=181)	21.2	[14.9, 29.3]	78.8	[70.7, 85.1]	100.0
Pearson: Uncorrected chi2(1) =	0.0085				
Design-based F(1.00, 743.00) =	0.0052	Pr =	0.942		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=591)	23.1	[19.2, 27.4]	76.9	[72.6, 80.8]	100.0
No (n=164)	16.0	[10.7, 23.1]	84.0	[76.9, 89.3]	100.0
Pearson: Uncorrected chi2(1) =	4.0319				
Design-based F(1.00, 743.00) =	3.0735	Pr =	0.080		
Total (n=755)	21.4	[18.1, 25.1]	78.6	[74.9, 81.9]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

5.4.1.1 All responses: Thinking about the last time you were at the emergency room, did you try to contact your usual provider's office before going to the emergency room?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who had an ER visit in the past 12 months/since HMP coverage ended (N=775)

Tried to contact PCP before going to ER	Weighted Proportion	95% CI
Yes (n=175)	21.0	[17.8, 24.7]
No (n=580)	77.2	[73.4, 80.5]
NA (n=12)	1.8	[0.9, 3.4]
Total (n=767)	100.0	

Note: Total n is less than universe N due to item non-response.

5.4.1.2 Q: Did you talk to someone?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who tried to contact their usual provider's office before going to the emergency room (N=175)

Talked to someone before going to ER	Weighted Proportion	95% CI
Yes (n=141)	79.5	[71.2, 85.9]
No (n=33)	20.5	[14.1, 28.8]

Note: Total n is less than universe N due to item non-response.

5.4.1.3 Q: Why did you end up going to the ER?

Follow-up group(s): Enrolled

Universe: Respondents who talked to someone at their usual provider before going to the emergency room (N=141)

Why did you end up going to the ER?	Weighted Proportion	95% CI
Told to go to ER (n=91)	57.9	[47.3, 67.9]
Symptoms didn't improve or got worse (n=30)	24.1	[16.0, 34.6]
Difficulty getting appointment (n=31)	19.8	[12.7, 29.6]
Provider's advice wasn't helpful (n=6)	3.2	[1.3, 7.7]
No response from provider/office not open (n=2)	2.4	[0.5, 10.4]
Transportation/logistics (n=1)	2.2	[0.3, 14.4]
Other (n=3)	1.9	[0.5, 6.3]

Note: Respondents were able to provide multiple responses.

5.4.2 Q: Which of these were true about that last ER visit - You arrived by ambulance or other emergency vehicle?

Follow-up group(s): Enrolled

Universe: Respondents who had an emergency room visit in the past 12 months (N=502)

	Arrived by ambulance				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=446)	20.8	[16.4, 26.1]	79.2	[73.9, 83.6]	100.0
Churned off/on (n=50)	21.7	[9.9, 41.3]	78.3	[58.7, 90.1]	100.0
Pearson: Uncorrected chi2(1) =	0.0280				
Design-based F(1.00, 484.00) =	0.0124	Pr =	0.911		
Age (DW)					
19-34 (n=146)	19.1	[12.5, 28.1]	80.9	[71.9, 87.5]	100.0
35-50 (n=181)	21.2	[14.3, 30.4]	78.8	[69.6, 85.7]	100.0
51-64 (n=171)	23.4	[16.4, 32.2]	76.6	[67.8, 83.6]	100.0
Pearson: Uncorrected chi2(2) =	0.8479				
Design-based F(1.91, 928.73) =	0.2635	Pr =	0.758		
Gender (DW)					
Male (n=186)	25.8	[19.0, 34.1]	74.2	[65.9, 81.0]	100.0
Female (n=312)	16.4	[11.5, 22.8]	83.6	[77.2, 88.5]	100.0
Pearson: Uncorrected chi2(1) =	6.7108				
Design-based F(1.00, 486.00) =	3.9972	Pr =	0.046		
Race/ethnicity, detailed (2016)					
White (n=303)	18.2	[13.0, 24.7]	81.8	[75.3, 87.0]	100.0
Black (n=119)	18.5	[11.8, 27.7]	81.5	[72.3, 88.2]	100.0
Hispanic (n=14)	33.1	[9.9, 69.1]	66.9	[30.9, 90.1]	100.0
Arab/Chaldean (n=22)	32.4	[14.4, 57.7]	67.6	[42.3, 85.6]	100.0
Other/more than one (n=34)	29.1	[13.7, 51.6]	70.9	[48.4, 86.3]	100.0
Pearson: Uncorrected chi2(4) =	7.6666				
Design-based F(3.91, 1878.21) =	1.0130	Pr =	0.398		
FPL category (DW)					
0-35% (n=277)	22.8	[17.1, 29.7]	77.2	[70.3, 82.9]	100.0
36-99% (n=126)	16.5	[9.3, 27.4]	83.5	[72.6, 90.7]	100.0
100%+ (n=95)	20.0	[11.4, 32.7]	80.0	[67.3, 88.6]	100.0
Pearson: Uncorrected chi2(2) =	2.0674				
Design-based F(2.00, 971.21) =	0.6093	Pr =	0.544		
Region (DW)					
UP/NW/NE (n=78)	8.4	[3.8, 17.4]	91.6	[82.6, 96.2]	100.0
W/E Central/E (n=166)	16.2	[10.7, 23.8]	83.8	[76.2, 89.3]	100.0
S Central/SW/SE (n=97)	24.6	[15.2, 37.2]	75.4	[62.8, 84.8]	100.0
Detroit Metro (n=157)	24.1	[17.1, 33.0]	75.9	[67.0, 82.9]	100.0
Pearson: Uncorrected chi2(3) =	7.3644				
Design-based F(2.52, 1226.84) =	2.0604	Pr =	0.115		
Chronic condition (2016, 2017, 2018)					
Yes (n=372)	21.6	[16.6, 27.6]	78.4	[72.4, 83.4]	100.0
No (n=126)	19.3	[12.0, 29.6]	80.7	[70.4, 88.0]	100.0
Pearson: Uncorrected chi2(1) =	0.3277				
Design-based F(1.00, 486.00) =	0.1736	Pr =	0.677		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=393)	21.7	[16.9, 27.5]	78.3	[72.5, 83.1]	100.0
No (n=105)	18.1	[10.3, 29.9]	81.9	[70.1, 89.7]	100.0
Pearson: Uncorrected chi2(1) =	0.7166				
Design-based F(1.00, 486.00) =	0.3796	Pr =	0.538		
Total (n=498)	20.9	[16.6, 25.9]	79.1	[74.1, 83.4]	100.0

Note: Total n is less than universe N due to item non-response.

5.4.3 Q: Which of these were true about that last ER visit - The problem was too serious for a doctor's office or clinic?

Follow-up group(s): Enrolled

Universe: Respondents who had an emergency room visit in the past 12 months (N=502)

	Problem too serious for doctor's office							Total Row %
	Yes		No		Don't know			
	Row %	95% CI	Row %	95% CI	Row %	95% CI		
HMP/Medicaid enrollment pattern (DW)								
Stayed on (n=445)	61.7	[56.0, 67.1]	36.2	[30.8, 41.9]	2.1	[1.0, 4.4]		100.0
Churned off/on (n=49)	54.2	[37.1, 70.4]	43.3	[27.4, 60.6]	2.5	[0.3, 16.2]		100.0
Pearson: Uncorrected chi2(2) =	1.2213							
Design-based F(1.98, 955.01) =	0.3713	Pr =	0.688					
Age (DW)								
19-34 (n=145)	54.7	[45.2, 63.9]	42.5	[33.5, 52.1]	2.7	[0.9, 8.3]		100.0
35-50 (n=180)	61.6	[52.8, 69.8]	37.3	[29.2, 46.2]	1.0	[0.3, 3.2]		100.0
51-64 (n=171)	69.3	[60.3, 77.0]	27.9	[20.5, 36.8]	2.7	[1.0, 7.1]		100.0
Pearson: Uncorrected chi2(4) =	8.4321							
Design-based F(3.67, 1775.93) =	1.7674	Pr =	0.139					
Gender (DW)								
Male (n=186)	62.3	[53.7, 70.1]	36.7	[28.9, 45.2]	1.1	[0.3, 3.5]		100.0
Female (n=310)	59.1	[52.0, 65.8]	37.8	[31.3, 44.8]	3.1	[1.3, 7.1]		100.0
Pearson: Uncorrected chi2(2) =	2.6385							
Design-based F(1.93, 934.40) =	0.9950	Pr =	0.368					
Race/ethnicity, detailed (2016)								
White (n=302)	64.2	[57.4, 70.4]	32.9	[26.9, 39.6]	2.9	[1.2, 6.8]		100.0
Black (n=120)	52.0	[41.5, 62.3]	45.8	[35.6, 56.4]	2.2	[0.7, 7.0]		100.0
Hispanic (n=14)	70.2	[38.2, 90.0]	29.8	[10.0, 61.8]	0.0			100.0
Arab/Chaldean (n=21)	49.2	[26.8, 72.0]	50.8	[28.0, 73.2]	0.0			100.0
Other/more than one (n=33)	76.1	[54.6, 89.4]	23.9	[10.6, 45.4]	0.0			100.0
Pearson: Uncorrected chi2(8) =	15.5941							
Design-based F(7.67, 3666.90) =	1.2094	Pr =	0.291					
FPL category (DW)								
0-35% (n=277)	62.3	[55.2, 68.9]	34.8	[28.4, 41.8]	2.8	[1.2, 6.5]		100.0
36-99% (n=125)	62.4	[51.1, 72.4]	36.6	[26.6, 47.9]	1.1	[0.3, 4.4]		100.0
100%+ (n=94)	52.2	[39.8, 64.4]	46.7	[34.5, 59.3]	1.1	[0.3, 4.3]		100.0
Pearson: Uncorrected chi2(4) =	5.4778							
Design-based F(3.48, 1682.65) =	1.2857	Pr =	0.276					
Region (DW)								
UP/NW/NE (n=78)	64.0	[50.8, 75.3]	36.0	[24.7, 49.2]	0.0			100.0
W/E Central/E (n=164)	60.9	[51.8, 69.2]	37.1	[28.9, 46.2]	2.0	[0.7, 6.0]		100.0
S Central/SW/SE (n=97)	54.7	[42.6, 66.3]	42.7	[31.3, 54.9]	2.7	[1.0, 7.1]		100.0
Detroit Metro (n=157)	62.3	[53.1, 70.6]	35.4	[27.2, 44.5]	2.3	[0.7, 7.4]		100.0
Pearson: Uncorrected chi2(6) =	2.5315							
Design-based F(5.16, 2497.10) =	0.3678	Pr =	0.876					
Chronic condition (2016, 2017, 2018)								
Yes (n=372)	63.6	[57.4, 69.5]	33.9	[28.2, 40.1]	2.5	[1.1, 5.4]		100.0
No (n=124)	53.5	[42.9, 63.8]	45.2	[34.9, 55.9]	1.3	[0.3, 6.1]		100.0
Pearson: Uncorrected chi2(2) =	5.9873							
Design-based F(1.97, 952.09) =	2.0319	Pr =	0.132					
MH/SUD (2016, 2017, 2018 or DW)								
Yes (n=392)	62.0	[55.9, 67.8]	35.9	[30.2, 42.1]	2.0	[0.8, 4.8]		100.0
No (n=104)	55.9	[44.0, 67.1]	41.7	[30.7, 53.7]	2.4	[0.8, 6.9]		100.0
Pearson: Uncorrected chi2(2) =	1.4150							
Design-based F(1.90, 918.13) =	0.5257	Pr =	0.582					
Total (n=496)	60.6	[55.1, 65.8]	37.3	[32.1, 42.7]	2.1	[1.1, 4.3]		100.0

Note: Total n is less than universe N due to item non-response.

5.4.4 Q: Which of these were true about that last ER visit - Your doctor's office or clinic was not open?

Follow-up group(s): Enrolled

Universe: Respondents who had an emergency room visit in the past 12 months (N=502)

	Yes		No		Don't know		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=446)	60.6	[54.9, 66.1]	34.2	[28.9, 39.8]	5.2	[3.1, 8.7]	100.0
Churned off/on (n=50)	54.7	[37.4, 70.9]	39.7	[24.3, 57.4]	5.7	[1.1, 24.2]	100.0
Pearson: Uncorrected chi2(2) =	0.8077						
Design-based F(1.98, 959.08) =	0.1947	Pr =	0.821				
Age (DW)							
19-34 (n=146)	61.3	[51.6, 70.1]	33.5	[25.2, 43.0]	5.2	[2.1, 12.4]	100.0
35-50 (n=181)	60.0	[51.1, 68.3]	33.8	[26.0, 42.6]	6.2	[3.0, 12.3]	100.0
51-64 (n=171)	57.9	[48.4, 66.8]	38.2	[29.4, 47.8]	3.9	[1.8, 8.7]	100.0
Pearson: Uncorrected chi2(4) =	1.3396						
Design-based F(3.73, 1813.59) =	0.2284	Pr =	0.913				
Gender (DW)							
Male (n=186)	56.0	[47.4, 64.2]	37.4	[29.5, 46.0]	6.6	[3.2, 13.3]	100.0
Female (n=312)	63.7	[56.8, 70.1]	32.3	[26.1, 39.2]	4.0	[2.2, 7.2]	100.0
Pearson: Uncorrected chi2(2) =	3.7639						
Design-based F(2.00, 971.55) =	1.2225	Pr =	0.295				
Race/ethnicity, detailed (2016)							
White (n=303)	64.3	[57.3, 70.7]	31.2	[25.0, 38.2]	4.5	[2.3, 8.6]	100.0
Black (n=120)	66.4	[55.9, 75.4]	29.1	[20.7, 39.3]	4.5	[1.6, 12.0]	100.0
Hispanic (n=14)	67.4	[38.9, 87.1]	32.6	[12.9, 61.1]	0.0		100.0
Arab/Chaldean (n=21)	41.4	[20.9, 65.4]	48.8	[26.7, 71.3]	9.8	[2.1, 36.0]	100.0
Other/more than one (n=34)	27.8	[14.3, 46.9]	61.2	[40.8, 78.4]	11.0	[2.8, 34.2]	100.0
Pearson: Uncorrected chi2(8) =	28.5011						
Design-based F(7.50, 3601.60) =	2.0842	Pr =	0.038				
FPL category (DW)							
0-35% (n=278)	58.8	[51.6, 65.6]	34.2	[27.7, 41.3]	7.0	[4.0, 12.0]	100.0
36-99% (n=125)	62.3	[50.9, 72.6]	37.4	[27.2, 48.9]	0.3	[0.0, 1.9]	100.0
100%+ (n=95)	61.2	[48.6, 72.5]	33.0	[22.5, 45.5]	5.8	[1.8, 17.2]	100.0
Pearson: Uncorrected chi2(4) =	7.6405						
Design-based F(3.34, 1623.30) =	1.4973	Pr =	0.209				
Region (DW)							
UP/NW/NE (n=78)	74.1	[62.7, 83.0]	24.9	[16.1, 36.3]	1.0	[0.1, 6.9]	100.0
W/E Central/E (n=166)	54.9	[46.3, 63.2]	37.4	[29.4, 46.2]	7.6	[3.9, 14.6]	100.0
S Central/SW/SE (n=98)	60.2	[47.5, 71.6]	38.4	[27.1, 51.2]	1.4	[0.3, 5.7]	100.0
Detroit Metro (n=156)	61.1	[51.8, 69.6]	32.9	[24.9, 42.0]	6.0	[2.7, 12.6]	100.0
Pearson: Uncorrected chi2(6) =	9.2266						
Design-based F(4.74, 2302.42) =	1.4386	Pr =	0.210				
Chronic condition (2016, 2017, 2018)							
Yes (n=373)	60.7	[54.4, 66.7]	33.9	[28.2, 40.1]	5.4	[2.9, 9.6]	100.0
No (n=125)	58.4	[47.7, 68.5]	36.6	[26.9, 47.5]	5.0	[2.0, 11.7]	100.0
Pearson: Uncorrected chi2(2) =	0.3574						
Design-based F(2.00, 971.40) =	0.1061	Pr =	0.899				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=394)	58.8	[52.7, 64.7]	36.4	[30.7, 42.6]	4.7	[2.8, 8.0]	100.0
No (n=104)	64.0	[51.7, 74.6]	29.1	[19.6, 40.8]	6.9	[2.4, 18.4]	100.0
Pearson: Uncorrected chi2(2) =	2.5937						
Design-based F(1.97, 959.82) =	0.7011	Pr =	0.495				
Total (n=498)	60.0	[54.6, 65.3]	34.7	[29.7, 40.1]	5.3	[3.2, 8.5]	100.0

Note: Total n is less than universe N due to item non-response.

5.4.5 Q: Which of these were true about that last ER visit - You needed to get care at a time that would not make you miss work or school.

Follow-up group(s): Enrolled

Universe: Respondents who had an emergency room visit in the past 12 months (N=502)

	Needed to go at a time I wouldn't miss work/school						Total Row %
	Yes		No		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=447)	45.7	[40.0, 51.4]	52.0	[46.3, 57.7]	2.3	[1.3, 4.2]	100.0
Churned off/on (n=50)	53.6	[36.7, 69.6]	46.0	[30.0, 62.8]	0.5	[0.1, 3.4]	100.0
Pearson: Uncorrected chi2(2) =	1.9609						
Design-based F(1.35, 653.04) =	0.9180	Pr =	0.366				
Age (DW)							
19-34 (n=147)	50.7	[41.3, 60.0]	48.7	[39.4, 58.0]	0.6	[0.2, 2.5]	100.0
35-50 (n=181)	47.6	[39.0, 56.3]	49.2	[40.6, 57.8]	3.2	[1.3, 8.0]	100.0
51-64 (n=171)	38.8	[29.9, 48.4]	58.3	[48.8, 67.2]	2.9	[1.4, 5.9]	100.0
Pearson: Uncorrected chi2(4) =	7.3951						
Design-based F(3.51, 1709.88) =	1.7037	Pr =	0.155				
Gender (DW)							
Male (n=187)	47.8	[39.5, 56.3]	51.0	[42.6, 59.4]	1.2	[0.3, 4.0]	100.0
Female (n=312)	45.9	[39.1, 52.9]	51.2	[44.3, 58.0]	2.9	[1.5, 5.6]	100.0
Pearson: Uncorrected chi2(2) =	1.9400						
Design-based F(1.93, 939.15) =	0.7380	Pr =	0.474				
Race/ethnicity, detailed (2016)							
White (n=303)	42.5	[35.8, 49.5]	54.7	[47.8, 61.4]	2.8	[1.5, 5.5]	100.0
Black (n=120)	57.7	[47.3, 67.5]	40.3	[30.7, 50.7]	1.9	[0.5, 6.9]	100.0
Hispanic (n=14)	38.4	[13.4, 71.5]	61.6	[28.5, 86.6]	0.0		100.0
Arab/Chaldean (n=22)	53.5	[30.7, 75.0]	45.7	[24.4, 68.7]	0.8	[0.1, 5.5]	100.0
Other/more than one (n=34)	31.9	[15.7, 54.0]	68.1	[46.0, 84.3]	0.0		100.0
Pearson: Uncorrected chi2(8) =	16.3001						
Design-based F(6.83, 3286.36) =	1.4432	Pr =	0.185				
FPL category (DW)							
0-35% (n=278)	44.5	[37.5, 51.8]	54.1	[46.8, 61.1]	1.4	[0.5, 3.9]	100.0
36-99% (n=126)	53.6	[42.7, 64.1]	43.2	[32.9, 54.0]	3.3	[1.3, 8.1]	100.0
100%+ (n=95)	45.8	[33.8, 58.3]	51.5	[39.2, 63.5]	2.7	[0.9, 8.0]	100.0
Pearson: Uncorrected chi2(4) =	4.9995						
Design-based F(3.77, 1838.05) =	1.0536	Pr =	0.376				
Region (DW)							
UP/NW/NE (n=78)	36.5	[25.0, 49.8]	61.8	[48.7, 73.4]	1.7	[0.4, 6.8]	100.0
W/E Central/E (n=166)	46.3	[37.8, 55.1]	50.4	[41.8, 59.0]	3.2	[1.3, 7.7]	100.0
S Central/SW/SE (n=98)	41.6	[30.0, 54.2]	56.0	[43.7, 67.6]	2.4	[0.9, 6.5]	100.0
Detroit Metro (n=157)	50.8	[41.8, 59.7]	48.0	[39.1, 57.0]	1.2	[0.3, 4.6]	100.0
Pearson: Uncorrected chi2(6) =	5.5086						
Design-based F(4.93, 2401.21) =	0.9343	Pr =	0.457				
Chronic condition (2016, 2017, 2018)							
Yes (n=373)	45.3	[39.1, 51.7]	52.1	[45.9, 58.3]	2.5	[1.3, 4.9]	100.0
No (n=126)	50.2	[39.8, 60.6]	48.8	[38.5, 59.2]	1.0	[0.4, 2.8]	100.0
Pearson: Uncorrected chi2(2) =	1.9811						
Design-based F(1.56, 760.42) =	0.9114	Pr =	0.381				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=394)	41.6	[35.8, 47.8]	56.1	[50.1, 62.1]	2.2	[1.1, 4.4]	100.0
No (n=105)	63.6	[52.3, 73.5]	34.8	[25.0, 46.1]	1.6	[0.6, 4.4]	100.0
Pearson: Uncorrected chi2(2) =	17.4572						
Design-based F(1.69, 823.71) =	8.2435	Pr =	0.001				
Total (n=499)	46.8	[41.4, 52.3]	51.1	[45.7, 56.5]	2.1	[1.1, 3.7]	100.0

Note: Total n is less than universe N due to item non-response.

5.4.6 Q: Which of these were true about that last ER visit - You went to the ER because it's your closest place to receive care?

Follow-up group(s): Enrolled

Universe: Respondents who had an emergency room visit in the past 12 months (N=502)

	ER is closest place to receive care				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=446)	77.6	[72.6, 81.9]	22.4	[18.1, 27.4]	100.0
Churned off/on (n=50)	82.4	[65.1, 92.2]	17.6	[7.8, 34.9]	100.0
Pearson: Uncorrected chi2(1) =	0.7270				
Design-based F(1.00, 484.00) =	0.3833	Pr =	0.536		
Age (DW)					
19-34 (n=147)	74.0	[65.2, 81.2]	26.0	[18.8, 34.8]	100.0
35-50 (n=181)	82.8	[76.5, 87.8]	17.2	[12.2, 23.5]	100.0
51-64 (n=170)	77.9	[68.1, 85.4]	22.1	[14.6, 31.9]	100.0
Pearson: Uncorrected chi2(2) =	4.3368				
Design-based F(1.96, 950.93) =	1.6297	Pr =	0.197		
Gender (DW)					
Male (n=187)	80.3	[73.0, 86.0]	19.7	[14.0, 27.0]	100.0
Female (n=311)	75.9	[69.4, 81.4]	24.1	[18.6, 30.6]	100.0
Pearson: Uncorrected chi2(1) =	1.4154				
Design-based F(1.00, 486.00) =	0.9445	Pr =	0.332		
Race/ethnicity, detailed (2016)					
White (n=303)	76.3	[70.0, 81.6]	23.7	[18.4, 30.0]	100.0
Black (n=119)	84.4	[74.9, 90.7]	15.6	[9.3, 25.1]	100.0
Hispanic (n=14)	84.6	[49.7, 96.8]	15.4	[3.2, 50.3]	100.0
Arab/Chaldean (n=22)	60.0	[37.0, 79.3]	40.0	[20.7, 63.0]	100.0
Other/more than one (n=34)	81.3	[61.0, 92.3]	18.7	[7.7, 39.0]	100.0
Pearson: Uncorrected chi2(4) =	11.9274				
Design-based F(3.90, 1873.57) =	1.7992	Pr =	0.128		
FPL category (DW)					
0-35% (n=277)	80.7	[74.8, 85.5]	19.3	[14.5, 25.2]	100.0
36-99% (n=126)	70.1	[58.5, 79.5]	29.9	[20.5, 41.5]	100.0
100%+ (n=95)	79.3	[68.2, 87.2]	20.7	[12.8, 31.8]	100.0
Pearson: Uncorrected chi2(2) =	5.5704				
Design-based F(1.99, 965.24) =	1.9696	Pr =	0.140		
Region (DW)					
UP/NW/NE (n=78)	78.0	[66.1, 86.5]	22.0	[13.5, 33.9]	100.0
W/E Central/E (n=166)	80.1	[73.0, 85.8]	19.9	[14.2, 27.0]	100.0
S Central/SW/SE (n=98)	72.4	[60.7, 81.6]	27.6	[18.4, 39.3]	100.0
Detroit Metro (n=156)	79.0	[70.6, 85.5]	21.0	[14.5, 29.4]	100.0
Pearson: Uncorrected chi2(3) =	2.2479				
Design-based F(2.62, 1272.20) =	0.6711	Pr =	0.550		
Chronic condition (2016, 2017, 2018)					
Yes (n=372)	79.7	[74.3, 84.3]	20.3	[15.7, 25.7]	100.0
No (n=126)	74.1	[64.2, 82.0]	25.9	[18.0, 35.8]	100.0
Pearson: Uncorrected chi2(1) =	1.9712				
Design-based F(1.00, 486.00) =	1.2597	Pr =	0.262		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=394)	78.4	[73.1, 82.9]	21.6	[17.1, 26.9]	100.0
No (n=104)	76.7	[65.4, 85.1]	23.3	[14.9, 34.6]	100.0
Pearson: Uncorrected chi2(1) =	0.1534				
Design-based F(1.00, 486.00) =	0.0961	Pr =	0.757		
Total (n=498)	78.0	[73.3, 82.1]	22.0	[17.9, 26.7]	100.0

Note: Total n is less than universe N due to item non-response.

5.4.7 Q: Which of these were true about that last ER visit - You went to the ER because you get most of your care at the emergency room?

Follow-up group(s): Enrolled

Universe: Respondents who had an emergency room visit in the past 12 months (N=502)

	Receive most care at ER				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=442)	29.4	[24.4, 34.9]	70.6	[65.1, 75.6]	100.0
Churned off/on (n=49)	43.9	[27.8, 61.5]	56.1	[38.5, 72.2]	100.0
Pearson: Uncorrected chi2(1) =	5.2639				
Design-based F(1.00, 479.00) =	2.7970	Pr =	0.095		
Age (DW)					
19-34 (n=145)	33.1	[24.8, 42.6]	66.9	[57.4, 75.2]	100.0
35-50 (n=180)	32.2	[24.4, 41.2]	67.8	[58.8, 75.6]	100.0
51-64 (n=168)	25.7	[18.7, 34.2]	74.3	[65.8, 81.3]	100.0
Pearson: Uncorrected chi2(2) =	2.0277				
Design-based F(1.90, 915.50) =	0.7285	Pr =	0.477		
Gender (DW)					
Male (n=185)	35.5	[27.8, 44.0]	64.5	[56.0, 72.2]	100.0
Female (n=308)	27.1	[21.2, 33.8]	72.9	[66.2, 78.8]	100.0
Pearson: Uncorrected chi2(1) =	4.0849				
Design-based F(1.00, 481.00) =	2.6299	Pr =	0.106		
Race/ethnicity, detailed (2016)					
White (n=301)	23.5	[18.3, 29.7]	76.5	[70.3, 81.7]	100.0
Black (n=119)	37.8	[28.2, 48.6]	62.2	[51.4, 71.8]	100.0
Hispanic (n=13)	68.4	[36.4, 89.1]	31.6	[10.9, 63.6]	100.0
Arab/Chaldean (n=21)	36.1	[17.3, 60.5]	63.9	[39.5, 82.7]	100.0
Other/more than one (n=34)	38.4	[20.5, 60.2]	61.6	[39.8, 79.5]	100.0
Pearson: Uncorrected chi2(4) =	19.3963				
Design-based F(3.82, 1818.99) =	2.8465	Pr =	0.025		
FPL category (DW)					
0-35% (n=274)	35.0	[28.3, 42.2]	65.0	[57.8, 71.7]	100.0
36-99% (n=124)	27.8	[19.0, 38.8]	72.2	[61.2, 81.0]	100.0
100%+ (n=95)	22.4	[13.4, 34.9]	77.6	[65.1, 86.6]	100.0
Pearson: Uncorrected chi2(2) =	5.7073				
Design-based F(2.00, 960.95) =	1.8894	Pr =	0.152		
Region (DW)					
UP/NW/NE (n=78)	15.8	[8.7, 27.1]	84.2	[72.9, 91.3]	100.0
W/E Central/E (n=161)	30.9	[23.6, 39.4]	69.1	[60.6, 76.4]	100.0
S Central/SW/SE (n=97)	32.3	[22.0, 44.6]	67.7	[55.4, 78.0]	100.0
Detroit Metro (n=157)	32.9	[24.9, 42.1]	67.1	[57.9, 75.1]	100.0
Pearson: Uncorrected chi2(3) =	4.1045				
Design-based F(2.61, 1255.24) =	1.1708	Pr =	0.317		
Chronic condition (2016, 2017, 2018)					
Yes (n=369)	33.6	[27.8, 40.1]	66.4	[59.9, 72.2]	100.0
No (n=124)	25.3	[17.4, 35.2]	74.7	[64.8, 82.6]	100.0
Pearson: Uncorrected chi2(1) =	3.4417				
Design-based F(1.00, 481.00) =	2.1067	Pr =	0.147		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=389)	29.4	[24.0, 35.3]	70.6	[64.7, 76.0]	100.0
No (n=104)	36.6	[25.9, 48.8]	63.4	[51.2, 74.1]	100.0
Pearson: Uncorrected chi2(1) =	2.1901				
Design-based F(1.00, 481.00) =	1.2937	Pr =	0.256		
Total (n=493)	31.1	[26.2, 36.4]	68.9	[63.6, 73.8]	100.0

Note: Total n is less than universe N due to item non-response.

5.4.8 Q: Any other reason you decided to go to the ER?

Follow-up group(s): Enrolled

Universe: Respondents who had an emergency room visit in the past 12 months (N=502)

	Any other reasons for going to ER				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=446)	33.0	[27.9, 38.5]	67.0	[61.5, 72.1]	100.0
Churned off/on (n=49)	39.8	[24.5, 57.4]	60.2	[42.6, 75.5]	100.0
Pearson: Uncorrected chi2(1) =	1.0516				
Design-based F(1.00, 483.00) =	0.5838	Pr =	0.445		
Age (DW)					
19-34 (n=145)	28.9	[21.0, 38.2]	71.1	[61.8, 79.0]	100.0
35-50 (n=181)	28.8	[21.7, 37.2]	71.2	[62.8, 78.3]	100.0
51-64 (n=171)	49.5	[40.3, 58.6]	50.5	[41.4, 59.7]	100.0
Pearson: Uncorrected chi2(2) =	16.9603				
Design-based F(1.94, 940.29) =	6.0465	Pr =	0.003		
Gender (DW)					
Male (n=185)	33.1	[25.7, 41.6]	66.9	[58.4, 74.3]	100.0
Female (n=312)	34.2	[28.1, 40.9]	65.8	[59.1, 71.9]	100.0
Pearson: Uncorrected chi2(1) =	0.0592				
Design-based F(1.00, 485.00) =	0.0390	Pr =	0.844		
Race/ethnicity, detailed (2016)					
White (n=303)	36.1	[29.8, 42.9]	63.9	[57.1, 70.2]	100.0
Black (n=120)	28.3	[19.9, 38.7]	71.7	[61.3, 80.1]	100.0
Hispanic (n=14)	0.0		100.0		100.0
Arab/Chaldean (n=20)	49.5	[26.5, 72.7]	50.5	[27.3, 73.5]	100.0
Other/more than one (n=34)	32.4	[16.6, 53.8]	67.6	[46.2, 83.4]	100.0
Pearson: Uncorrected chi2(4) =	13.4697				
Design-based F(3.88, 1856.66) =	1.9508	Pr =	0.102		
FPL category (DW)					
0-35% (n=278)	33.7	[27.3, 40.7]	66.3	[59.3, 72.7]	100.0
36-99% (n=125)	33.9	[24.1, 45.4]	66.1	[54.6, 75.9]	100.0
100%+ (n=94)	33.3	[23.1, 45.4]	66.7	[54.6, 76.9]	100.0
Pearson: Uncorrected chi2(2) =	0.0075				
Design-based F(1.99, 964.45) =	0.0026	Pr =	0.997		
Region (DW)					
UP/NW/NE (n=78)	34.0	[23.9, 45.8]	66.0	[54.2, 76.1]	100.0
W/E Central/E (n=166)	39.3	[31.1, 48.2]	60.7	[51.8, 68.9]	100.0
S Central/SW/SE (n=97)	20.9	[13.8, 30.3]	79.1	[69.7, 86.2]	100.0
Detroit Metro (n=156)	35.2	[27.0, 44.4]	64.8	[55.6, 73.0]	100.0
Pearson: Uncorrected chi2(3) =	9.0281				
Design-based F(2.59, 1254.33) =	2.8909	Pr =	0.042		
Chronic condition (2016, 2017, 2018)					
Yes (n=373)	35.7	[29.9, 41.9]	64.3	[58.1, 70.1]	100.0
No (n=124)	29.0	[20.5, 39.3]	71.0	[60.7, 79.5]	100.0
Pearson: Uncorrected chi2(1) =	2.0673				
Design-based F(1.00, 485.00) =	1.2699	Pr =	0.260		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=394)	33.0	[27.6, 38.8]	67.0	[61.2, 72.4]	100.0
No (n=103)	36.1	[25.5, 48.3]	63.9	[51.7, 74.5]	100.0
Pearson: Uncorrected chi2(1) =	0.3945				
Design-based F(1.00, 485.00) =	0.2385	Pr =	0.625		
Total (n=497)	33.7	[28.8, 39.0]	66.3	[61.0, 71.2]	100.0

Note: Total n is less than universe N due to item non-response.

5.4.8.1 Other reason for going to ER

Follow-up group(s): Enrolled

Universe: Respondents who had an emergency room visit in the past 12 months and gave other reason (N=172)

	Weighted Proportion	95% CI
Symptoms didn't improve or got worse (n=123)	7.4	[6.0, 9.1]
Transportation/logistics (n=20)	1.5	[0.8, 2.5]
Told to go to ER (n=16)	1.0	[0.5, 1.8]
No response from provider/provider's office not open (n=10)	0.6	[0.3, 1.2]
Difficulty getting appointment (n=8)	0.7	[0.3, 1.6]
Other (n=7)	0.4	[0.2, 1.1]
Provider's advice wasn't helpful (n=3)	0.3	[0.1, 1.1]
N/A-don't have a usual provider right now (n=1)	0.2	[0.0, 1.3]

Note: Respondents were able to provide multiple responses.

5.4.9 Q: In the last 12 months, was there a time when you needed help or advice when your usual clinic or doctor's office was closed?

Follow-up group(s): Enrolled

Universe: Respondents who did not have an ER visit in the past 12 months (N=1,120)

	Needed help when usual clinic/doctor's office was closed in last 12 months				Total Row %
	Yes		No		
	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,040)	17.3	[14.5, 20.4]	82.7	[79.6, 85.5]	100.0
Churned off/on (n=73)	10.3	[4.6, 21.4]	89.7	[78.6, 95.4]	100.0
Pearson: Uncorrected chi2(1) =	3.0804				
Design-based F(1.00, 1101.00) =	1.8138	Pr =	0.178		
Age (DW)					
19-34 (n=284)	15.7	[11.5, 21.0]	84.3	[79.0, 88.5]	100.0
35-50 (n=330)	21.5	[16.5, 27.4]	78.5	[72.6, 83.5]	100.0
51-64 (n=500)	11.8	[9.0, 15.4]	88.2	[84.6, 91.0]	100.0
Pearson: Uncorrected chi2(2) =	11.9875				
Design-based F(1.84, 2027.75) =	4.2414	Pr =	0.017		
Gender (DW)					
Male (n=429)	12.4	[9.0, 16.8]	87.6	[83.2, 91.0]	100.0
Female (n=685)	20.8	[17.1, 25.0]	79.2	[75.0, 82.9]	100.0
Pearson: Uncorrected chi2(1) =	14.0642				
Design-based F(1.00, 1102.00) =	8.1528	Pr =	0.004		
Race/ethnicity, detailed (2016)					
White (n=753)	17.4	[14.2, 21.2]	82.6	[78.8, 85.8]	100.0
Black (n=212)	13.0	[8.6, 19.2]	87.0	[80.8, 91.4]	100.0
Hispanic (n=45)	12.7	[4.3, 31.9]	87.3	[68.1, 95.7]	100.0
Arab/Chaldean (n=48)	19.3	[9.0, 36.7]	80.7	[63.3, 91.0]	100.0
Other/more than one (n=43)	25.2	[12.2, 44.9]	74.8	[55.1, 87.8]	100.0
Pearson: Uncorrected chi2(4) =	6.8526				
Design-based F(3.96, 4311.54) =	0.8756	Pr =	0.477		
FPL category (DW)					
0-35% (n=518)	17.4	[13.6, 21.9]	82.6	[78.1, 86.4]	100.0
36-99% (n=345)	16.1	[11.7, 21.6]	83.9	[78.4, 88.3]	100.0
100%+ (n=251)	15.4	[10.9, 21.3]	84.6	[78.7, 89.1]	100.0
Pearson: Uncorrected chi2(2) =	0.5622				
Design-based F(1.97, 2170.11) =	0.1974	Pr =	0.818		
Region (DW)					
UP/NW/NE (n=216)	12.5	[8.5, 18.1]	87.5	[81.9, 91.5]	100.0
W/E Central/E (n=369)	17.3	[13.1, 22.5]	82.7	[77.5, 86.9]	100.0
S Central/SW/SE (n=221)	21.8	[15.7, 29.4]	78.2	[70.6, 84.3]	100.0
Detroit Metro (n=308)	14.9	[10.8, 20.2]	85.1	[79.8, 89.2]	100.0
Pearson: Uncorrected chi2(3) =	6.3348				
Design-based F(2.61, 2880.98) =	1.6551	Pr =	0.181		
Chronic condition (2016, 2017, 2018)					
Yes (n=714)	19.8	[16.2, 24.0]	80.2	[76.0, 83.8]	100.0
No (n=400)	12.1	[8.8, 16.3]	87.9	[83.7, 91.2]	100.0
Pearson: Uncorrected chi2(1) =	11.7371				
Design-based F(1.00, 1102.00) =	7.4917	Pr =	0.006		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=652)	19.9	[16.3, 24.1]	80.1	[75.9, 83.7]	100.0
No (n=462)	12.0	[8.7, 16.3]	88.0	[83.7, 91.3]	100.0
Pearson: Uncorrected chi2(1) =	12.4242				
Design-based F(1.00, 1102.00) =	7.6681	Pr =	0.006		
Total (n=1,114)	16.6	[14.0, 19.6]	83.4	[80.4, 86.0]	100.0

Note: Total n is less than universe N due to item non-response.

5.4.9.1 Q: Thinking about the last time, what did you do to get the health care help or advice you needed?

Follow-up group(s): Enrolled

Universe: Respondents who did not have an ER visit and needed health care help or advice when their usual clinic or doctor's office was closed in the last 12 months (N=186)

Means of getting help when usual clinic or doctor's office closed	Weighted Proportion	95% CI
Went to Urgent Care/Walk-in clinic (n=114)	60.1	[50.6, 68.8]
Got advice elsewhere (friends, internet, etc) (n=39)	24.2	[16.8, 33.6]
Got primary care appointment next day/soon (n=15)	8.2	[4.2, 15.5]
Phone/email with primary care office (n=11)	4.9	[2.5, 9.4]
Problem improved without seeking care (n=6)	2.5	[1.1, 5.7]
Did not seek care, problem did not improve (n=3)	1.1	[0.3, 3.5]

Note: Respondents were able to provide multiple responses.

5.5 Q: If I have a medical problem, my preference is to go straight to a doctor and ask his or her opinion.

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Strongly agree		Agree		Prefer to go straight to doctor Neutral		Disagree		Strongly disagree		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)											
Stayed on (n=1,996)	18.0	[15.9, 20.2]	68.4	[65.8, 70.9]	6.6	[5.4, 8.0]	6.5	[5.3, 8.0]	0.5	[0.2, 0.9]	100.0
Off for 6+ months (n=396)	13.3	[9.6, 18.0]	68.0	[62.3, 73.2]	8.7	[6.1, 12.4]	9.9	[7.0, 13.7]	0.2	[0.0, 1.1]	100.0
Churned off/on (n=202)	14.3	[9.3, 21.5]	70.1	[61.7, 77.3]	9.0	[5.0, 15.7]	5.9	[3.0, 11.1]	0.8	[0.2, 3.6]	100.0
Pearson: Uncorrected chi2(8) =	16.4413										
Design-based F(7.43, 19183.47) =	1.3718	Pr =	0.208								
Age (DW)											
19-34 (n=734)	15.8	[12.9, 19.1]	66.7	[62.6, 70.4]	9.4	[7.3, 12.0]	8.0	[6.0, 10.4]	0.2	[0.1, 0.7]	100.0
35-50 (n=807)	16.2	[13.3, 19.6]	71.0	[67.1, 74.6]	5.1	[3.6, 7.3]	6.8	[5.1, 9.1]	0.8	[0.4, 1.8]	100.0
51-64 (n=1,053)	19.4	[16.5, 22.6]	68.1	[64.5, 71.5]	6.4	[4.8, 8.4]	5.8	[4.4, 7.7]	0.3	[0.1, 1.5]	100.0
Pearson: Uncorrected chi2(8) =	24.4986										
Design-based F(7.55, 19486.38) =	2.3487	Pr =	0.018								
Gender (DW)											
Male (n=1,000)	18.5	[15.7, 21.6]	68.5	[64.9, 71.9]	6.8	[5.2, 9.0]	5.8	[4.3, 7.6]	0.4	[0.1, 1.1]	100.0
Female (n=1,594)	15.3	[13.3, 17.6]	68.5	[65.7, 71.3]	7.4	[6.0, 9.1]	8.2	[6.7, 10.0]	0.5	[0.2, 1.1]	100.0
Pearson: Uncorrected chi2(4) =	10.0319										
Design-based F(3.96, 10215.89) =	1.7331	Pr =	0.140								
Race/ethnicity, detailed (2016)											
White (n=1,686)	15.2	[13.2, 17.5]	66.8	[64.0, 69.6]	9.2	[7.6, 11.1]	8.3	[6.8, 10.1]	0.4	[0.2, 0.8]	100.0
Black (n=535)	21.1	[17.1, 25.6]	70.3	[65.4, 74.7]	3.3	[2.0, 5.5]	4.5	[2.9, 7.0]	0.8	[0.3, 2.2]	100.0
Hispanic (n=104)	19.9	[11.7, 31.9]	71.0	[59.3, 80.5]	3.9	[1.5, 9.7]	5.1	[2.2, 11.4]	0.0		100.0
Arab/Chaldean (n=106)	12.6	[7.1, 21.4]	75.5	[64.9, 83.7]	8.6	[3.8, 18.3]	3.3	[1.2, 9.0]	0.0		100.0
Other/more than one (n=129)	14.4	[8.5, 23.4]	70.7	[60.1, 79.5]	4.5	[1.6, 12.0]	10.1	[5.1, 19.1]	0.3	[0.0, 1.9]	100.0
Pearson: Uncorrected chi2(16) =	59.9930										
Design-based F(14.62, 37251.97) =	2.4549	Pr =	0.002								
FPL category (DW)											
0-35% (n=1,505)	16.9	[14.6, 19.4]	68.7	[65.7, 71.5]	6.9	[5.5, 8.7]	7.0	[5.6, 8.7]	0.6	[0.3, 1.2]	100.0
36-99% (n=646)	16.8	[13.5, 20.7]	69.0	[64.5, 73.2]	7.7	[5.7, 10.3]	6.4	[4.4, 9.2]	0.1	[0.0, 0.6]	100.0
100%+ (n=443)	17.0	[12.9, 21.9]	67.2	[61.6, 72.4]	7.3	[4.8, 10.8]	8.0	[5.5, 11.6]	0.5	[0.2, 1.7]	100.0
Pearson: Uncorrected chi2(8) =	3.1668										
Design-based F(7.40, 19101.78) =	0.3251	Pr =	0.949								
Region (DW)											
UP/NW/NE (n=485)	16.9	[13.2, 21.4]	60.4	[55.2, 65.4]	8.8	[6.4, 12.0]	13.5	[10.1, 17.8]	0.4	[0.1, 1.3]	100.0
W/E Central/E (n=816)	15.5	[12.9, 18.5]	71.0	[67.2, 74.4]	7.5	[5.6, 9.9]	5.9	[4.3, 8.0]	0.2	[0.0, 0.8]	100.0
S Central/SW/SE (n=524)	15.9	[12.5, 20.1]	67.1	[62.0, 71.7]	7.2	[5.0, 10.3]	9.0	[6.4, 12.6]	0.8	[0.3, 2.0]	100.0
Detroit Metro (n=769)	18.2	[15.2, 21.6]	69.2	[65.3, 72.9]	6.6	[4.8, 8.9]	5.6	[4.0, 7.7]	0.5	[0.2, 1.4]	100.0
Pearson: Uncorrected chi2(12) =	30.4890										
Design-based F(10.52, 27172.30) =	2.2569	Pr =	0.011								
Chronic condition (2016, 2017, 2018)											
Yes (n=1,729)	17.9	[15.8, 20.3]	69.2	[66.5, 71.9]	6.2	[5.0, 7.8]	6.0	[4.8, 7.6]	0.5	[0.3, 1.2]	100.0
No (n=865)	15.2	[12.4, 18.4]	67.4	[63.5, 71.0]	8.6	[6.6, 11.1]	8.6	[6.6, 11.0]	0.3	[0.1, 0.7]	100.0
Pearson: Uncorrected chi2(4) =	14.2238										
Design-based F(3.78, 9760.78) =	2.6081	Pr =	0.037								
MH/SUD (2016, 2017, 2018 or DW)											
Yes (n=1,683)	16.7	[14.6, 18.9]	68.9	[66.1, 71.5]	7.3	[5.9, 8.9]	6.7	[5.4, 8.3]	0.5	[0.2, 1.0]	100.0
No (n=911)	17.2	[14.2, 20.7]	67.9	[63.9, 71.6]	6.9	[5.2, 9.2]	7.5	[5.7, 9.9]	0.4	[0.2, 1.2]	100.0
Pearson: Uncorrected chi2(4) =	0.7901										
Design-based F(3.92, 10128.58) =	0.1372	Pr =	0.967								
Total (n=2,594)	16.9	[15.1, 18.8]	68.5	[66.3, 70.7]	7.1	[6.0, 8.5]	7.0	[5.9, 8.3]	0.5	[0.2, 0.8]	100.0

Note: Total n is less than universe N due to item non-response.

5.6 Q: In the past 12 months, did you check how much you would pay for a doctor's visit, medication, or other health care service before you received care?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Checked cost before receiving care in past 12 months				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,985)	23.4	[21.2, 25.8]	76.6	[74.2, 78.8]	100.0
Off for 6+ months (n=398)	47.3	[41.4, 53.2]	52.7	[46.8, 58.6]	100.0
Churned off/on (n=200)	29.6	[22.6, 37.7]	70.4	[62.3, 77.4]	100.0
Pearson: Uncorrected chi2(2) =	97.4494				
Design-based F(1.99, 5115.01) =	29.5453	Pr =	0.000		
Age (DW)					
19-34 (n=729)	29.6	[26.0, 33.5]	70.4	[66.5, 74.0]	100.0
35-50 (n=802)	26.0	[22.5, 29.8]	74.0	[70.2, 77.5]	100.0
51-64 (n=1,052)	27.9	[24.6, 31.5]	72.1	[68.5, 75.4]	100.0
Pearson: Uncorrected chi2(2) =	3.0694				
Design-based F(1.95, 5004.94) =	1.0552	Pr =	0.347		
Gender (DW)					
Male (n=990)	23.8	[20.7, 27.1]	76.2	[72.9, 79.3]	100.0
Female (n=1,593)	31.8	[29.0, 34.7]	68.2	[65.3, 71.0]	100.0
Pearson: Uncorrected chi2(1) =	20.4838				
Design-based F(1.00, 2571.00) =	12.6894	Pr =	0.000		
Race/ethnicity, detailed (2016)					
White (n=1,688)	30.2	[27.5, 33.0]	69.8	[67.0, 72.5]	100.0
Black (n=526)	22.0	[18.1, 26.5]	78.0	[73.5, 81.9]	100.0
Hispanic (n=103)	25.1	[16.7, 36.0]	74.9	[64.0, 83.3]	100.0
Arab/Chaldean (n=103)	25.0	[16.6, 35.7]	75.0	[64.3, 83.4]	100.0
Other/more than one (n=129)	34.9	[25.3, 45.8]	65.1	[54.2, 74.7]	100.0
Pearson: Uncorrected chi2(4) =	20.2624				
Design-based F(3.96, 10039.37) =	2.8985	Pr =	0.021		
FPL category (DW)					
0-35% (n=1,494)	29.7	[26.9, 32.7]	70.3	[67.3, 73.1]	100.0
36-99% (n=646)	26.5	[22.5, 30.8]	73.5	[69.2, 77.5]	100.0
100%+ (n=443)	22.7	[18.3, 27.8]	77.3	[72.2, 81.7]	100.0
Pearson: Uncorrected chi2(2) =	8.6279				
Design-based F(2.00, 5132.31) =	3.0727	Pr =	0.046		
Region (DW)					
UP/NW/NE (n=485)	30.7	[26.0, 35.8]	69.3	[64.2, 74.0]	100.0
W/E Central/E (n=816)	26.4	[23.0, 30.1]	73.6	[69.9, 77.0]	100.0
S Central/SW/SE (n=524)	29.1	[24.6, 34.1]	70.9	[65.9, 75.4]	100.0
Detroit Metro (n=758)	27.8	[24.3, 31.6]	72.2	[68.4, 75.7]	100.0
Pearson: Uncorrected chi2(3) =	2.0537				
Design-based F(2.76, 7087.88) =	0.5473	Pr =	0.635		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,718)	29.1	[26.5, 31.9]	70.9	[68.1, 73.5]	100.0
No (n=865)	26.0	[22.6, 29.6]	74.0	[70.4, 77.4]	100.0
Pearson: Uncorrected chi2(1) =	3.0531				
Design-based F(1.00, 2571.00) =	1.9059	Pr =	0.168		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,670)	28.2	[25.7, 31.0]	71.8	[69.0, 74.3]	100.0
No (n=913)	27.3	[23.8, 31.1]	72.7	[68.9, 76.2]	100.0
Pearson: Uncorrected chi2(1) =	0.2623				
Design-based F(1.00, 2571.00) =	0.1659	Pr =	0.684		
Total (n=2,583)	27.9	[25.8, 30.1]	72.1	[69.9, 74.2]	100.0

Note: Total n is less than universe N due to item non-response.

5.6.1 Q: What type of health care was this for?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who checked the cost before they received care in the past 12 months (N=733)

Type of health care costs checked	Weighted Proportion	95% CI
Primary care visits (n=313)	45.4	[40.9, 49.9]
Prescription medications (n=189)	25.2	[21.6, 29.1]
Other (n=147)	20.1	[16.8, 23.9]
Specialist visits (n=90)	12.1	[9.4, 15.3]
Lab test/imaging test (n=80)	9.2	[7.1, 12.0]
Surgery or procedure (n=32)	4.2	[2.8, 6.4]
Mental health (n=15)	2.7	[1.4, 4.9]
Support services (n=10)	1.0	[0.5, 2.1]

Note: Respondents were able to provide multiple responses.

5.7 Q: In the past 12 months, did you compare quality ratings for any health care services at different places?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Compared quality ratings in past 12 months				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,990)	12.6	[10.9, 14.5]	87.4	[85.5, 89.1]	100.0
Off for 6+ months (n=398)	20.9	[16.5, 26.3]	79.1	[73.7, 83.5]	100.0
Churned off/on (n=202)	17.2	[11.6, 24.8]	82.8	[75.2, 88.4]	100.0
Pearson: Uncorrected chi2(2) =	21.2504				
Design-based F(1.98, 5095.84) =	6.0867	Pr =	0.002		
Age (DW)					
19-34 (n=732)	17.7	[14.8, 21.0]	82.3	[79.0, 85.2]	100.0
35-50 (n=805)	12.1	[9.6, 15.1]	87.9	[84.9, 90.4]	100.0
51-64 (n=1,053)	12.4	[10.1, 15.0]	87.6	[85.0, 89.9]	100.0
Pearson: Uncorrected chi2(2) =	15.0093				
Design-based F(1.93, 4972.84) =	5.2505	Pr =	0.006		
Gender (DW)					
Male (n=996)	10.9	[8.7, 13.6]	89.1	[86.4, 91.3]	100.0
Female (n=1,594)	17.7	[15.5, 20.2]	82.3	[79.8, 84.5]	100.0
Pearson: Uncorrected chi2(1) =	24.4746				
Design-based F(1.00, 2578.00) =	14.0867	Pr =	0.000		
Race/ethnicity, detailed (2016)					
White (n=1,689)	14.5	[12.5, 16.8]	85.5	[83.2, 87.5]	100.0
Black (n=534)	13.9	[10.8, 17.8]	86.1	[82.2, 89.2]	100.0
Hispanic (n=103)	11.3	[6.1, 20.0]	88.7	[80.0, 93.9]	100.0
Arab/Chaldean (n=102)	17.7	[10.6, 28.0]	82.3	[72.0, 89.4]	100.0
Other/more than one (n=128)	16.1	[9.8, 25.3]	83.9	[74.7, 90.2]	100.0
Pearson: Uncorrected chi2(4) =	2.6631				
Design-based F(3.94, 10015.79) =	0.3972	Pr =	0.808		
FPL category (DW)					
0-35% (n=1,501)	13.8	[11.8, 16.2]	86.2	[83.8, 88.2]	100.0
36-99% (n=644)	15.9	[12.8, 19.7]	84.1	[80.3, 87.2]	100.0
100%+ (n=445)	14.3	[10.5, 19.0]	85.7	[81.0, 89.5]	100.0
Pearson: Uncorrected chi2(2) =	1.5712				
Design-based F(2.00, 5147.31) =	0.5262	Pr =	0.591		
Region (DW)					
UP/NW/NE (n=484)	12.0	[9.0, 15.8]	88.0	[84.2, 91.0]	100.0
W/E Central/E (n=819)	13.7	[11.0, 17.0]	86.3	[83.0, 89.0]	100.0
S Central/SW/SE (n=521)	14.1	[10.8, 18.2]	85.9	[81.8, 89.2]	100.0
Detroit Metro (n=766)	15.4	[12.8, 18.5]	84.6	[81.5, 87.2]	100.0
Pearson: Uncorrected chi2(3) =	2.4135				
Design-based F(2.73, 7050.16) =	0.6407	Pr =	0.575		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,724)	13.9	[12.0, 16.1]	86.1	[83.9, 88.0]	100.0
No (n=866)	15.1	[12.4, 18.3]	84.9	[81.7, 87.6]	100.0
Pearson: Uncorrected chi2(1) =	0.6770				
Design-based F(1.00, 2578.00) =	0.4160	Pr =	0.519		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,677)	14.1	[12.2, 16.3]	85.9	[83.7, 87.8]	100.0
No (n=913)	14.8	[12.2, 18.0]	85.2	[82.0, 87.8]	100.0
Pearson: Uncorrected chi2(1) =	0.2531				
Design-based F(1.00, 2578.00) =	0.1585	Pr =	0.691		
Total (n=2,590)	14.4	[12.8, 16.2]	85.6	[83.8, 87.2]	100.0

Note: Total n is less than universe N due to item non-response.

5.7.1 Q: What type of health care was this for?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who compared quality ratings for health care services in the past 12 months (N=364)

Type of health care quality checked	Weighted Proportion	95% CI
Primary care visits (n=166)	45.4	[39.1, 51.8]
Other (n=94)	26.9	[21.6, 32.9]
Specialist visits (n=66)	20.3	[15.5, 26.1]
Prescription medication (n=25)	6.0	[3.6, 9.9]
Lab test/imaging test (n=12)	3.5	[1.6, 7.4]
Surgery or procedure (n=22)	3.4	[2.1, 5.3]
Mental health (n=10)	3.2	[1.6, 6.4]
Support services (n=3)	0.5	[0.2, 1.5]

Note: Respondents were able to provide multiple responses.

5.8 Q: In the past 12 months, did you talk with a health care provider about how much any health care services would cost you personally?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Talked with provider about out-of-pocket costs in past 12 months				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,995)	16.0	[14.2, 18.1]	84.0	[81.9, 85.8]	100.0
Off for 6+ months (n=397)	35.0	[29.6, 40.8]	65.0	[59.2, 70.4]	100.0
Churned off/on (n=203)	19.7	[14.3, 26.6]	80.3	[73.4, 85.7]	100.0
Pearson: Uncorrected chi2(2) =	78.7593				
Design-based F(2.00, 5163.17) =	25.7151	Pr =	0.000		
Age (DW)					
19-34 (n=735)	20.4	[17.4, 23.9]	79.6	[76.1, 82.6]	100.0
35-50 (n=807)	17.8	[14.9, 21.1]	82.2	[78.9, 85.1]	100.0
51-64 (n=1,053)	20.1	[17.3, 23.2]	79.9	[76.8, 82.7]	100.0
Pearson: Uncorrected chi2(2) =	2.3177				
Design-based F(1.94, 5000.25) =	0.8370	Pr =	0.430		
Gender (DW)					
Male (n=1,001)	16.2	[13.6, 19.1]	83.8	[80.9, 86.4]	100.0
Female (n=1,594)	22.5	[20.1, 25.1]	77.5	[74.9, 79.9]	100.0
Pearson: Uncorrected chi2(1) =	16.7732				
Design-based F(1.00, 2583.00) =	10.7739	Pr =	0.001		
Race/ethnicity, detailed (2016)					
White (n=1,686)	21.5	[19.2, 24.0]	78.5	[76.0, 80.8]	100.0
Black (n=536)	13.9	[10.8, 17.7]	86.1	[82.3, 89.2]	100.0
Hispanic (n=105)	15.6	[9.4, 24.8]	84.4	[75.2, 90.6]	100.0
Arab/Chaldean (n=105)	13.5	[7.6, 22.9]	86.5	[77.1, 92.4]	100.0
Other/more than one (n=129)	31.1	[21.9, 42.1]	68.9	[57.9, 78.1]	100.0
Pearson: Uncorrected chi2(4) =	35.6744				
Design-based F(3.92, 9993.39) =	5.2943	Pr =	0.000		
FPL category (DW)					
0-35% (n=1,504)	20.0	[17.6, 22.5]	80.0	[77.5, 82.4]	100.0
36-99% (n=647)	19.4	[16.0, 23.3]	80.6	[76.7, 84.0]	100.0
100%+ (n=444)	17.3	[13.5, 21.8]	82.7	[78.2, 86.5]	100.0
Pearson: Uncorrected chi2(2) =	1.4987				
Design-based F(1.99, 5149.83) =	0.5648	Pr =	0.568		
Region (DW)					
UP/NW/NE (n=487)	22.1	[18.1, 26.7]	77.9	[73.3, 81.9]	100.0
W/E Central/E (n=816)	22.1	[18.9, 25.6]	77.9	[74.4, 81.1]	100.0
S Central/SW/SE (n=523)	19.5	[15.8, 23.7]	80.5	[76.3, 84.2]	100.0
Detroit Metro (n=769)	17.2	[14.4, 20.4]	82.8	[79.6, 85.6]	100.0
Pearson: Uncorrected chi2(3) =	8.0075				
Design-based F(2.74, 7084.53) =	2.2060	Pr =	0.091		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,729)	20.1	[17.9, 22.6]	79.9	[77.4, 82.1]	100.0
No (n=866)	18.3	[15.5, 21.5]	81.7	[78.5, 84.5]	100.0
Pearson: Uncorrected chi2(1) =	1.2684				
Design-based F(1.00, 2583.00) =	0.8429	Pr =	0.359		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,679)	20.2	[18.0, 22.6]	79.8	[77.4, 82.0]	100.0
No (n=916)	18.1	[15.2, 21.4]	81.9	[78.6, 84.8]	100.0
Pearson: Uncorrected chi2(1) =	1.6685				
Design-based F(1.00, 2583.00) =	1.0966	Pr =	0.295		
Total (n=2,595)	19.4	[17.7, 21.3]	80.6	[78.7, 82.3]	100.0

Note: Total n is less than universe N due to item non-response.

5.8.1 Q: What type of health care was this for?

Follow-up group(s): Enrolled, Not Enrolled

Universe: Respondents who discussed how much health care services would cost with a health care provider in the past 12 months (N=538)

Type of health care out-of-pocket costs discussed	Weighted Proportion	95% CI
Primary care visits (n=146)	30.4	[25.7, 35.6]
Other (n=130)	24.1	[19.8, 28.9]
Lab test/imaging test (n=87)	15.5	[12.1, 19.8]
Specialist visits (n=73)	13.8	[10.6, 17.7]
Prescription medication (n=73)	13.0	[9.9, 16.9]
Surgery or procedure (n=61)	10.3	[7.6, 13.8]
Mental health (n=24)	5.0	[3.1, 8.0]
Support services (n=22)	3.3	[1.9, 5.5]

Note: Respondents were able to provide multiple responses.

5.9 Q: In the past 12 months, did you ask a health care provider to recommend a less costly prescription drug?

Follow-up group(s): Enrolled, Not Enrolled

Universe: All respondents (N=2,608)

	Asked for less costly prescription in past 12 months				Total Row %
	Yes Row %	95% CI	No Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=1,995)	21.4	[19.3, 23.6]	78.6	[76.4, 80.7]	100.0
Off for 6+ months (n=398)	30.6	[25.6, 36.2]	69.4	[63.8, 74.4]	100.0
Churned off/on (n=203)	19.3	[14.0, 25.9]	80.7	[74.1, 86.0]	100.0
Pearson: Uncorrected chi2(2) =	18.5734				
Design-based F(2.00, 5164.73) =	6.4110	Pr =	0.002		
Age (DW)					
19-34 (n=734)	20.0	[17.0, 23.4]	80.0	[76.6, 83.0]	100.0
35-50 (n=810)	23.3	[20.1, 26.8]	76.7	[73.2, 79.9]	100.0
51-64 (n=1,052)	26.0	[23.0, 29.3]	74.0	[70.7, 77.0]	100.0
Pearson: Uncorrected chi2(2) =	8.6823				
Design-based F(1.93, 4999.03) =	3.2220	Pr =	0.042		
Gender (DW)					
Male (n=1,001)	16.6	[14.1, 19.4]	83.4	[80.6, 85.9]	100.0
Female (n=1,595)	28.4	[25.8, 31.2]	71.6	[68.8, 74.2]	100.0
Pearson: Uncorrected chi2(1) =	51.9578				
Design-based F(1.00, 2584.00) =	34.8942	Pr =	0.000		
Race/ethnicity, detailed (2016)					
White (n=1,687)	25.8	[23.4, 28.4]	74.2	[71.6, 76.6]	100.0
Black (n=534)	16.1	[13.0, 19.8]	83.9	[80.2, 87.0]	100.0
Hispanic (n=105)	20.4	[13.0, 30.4]	79.6	[69.6, 87.0]	100.0
Arab/Chaldean (n=106)	21.3	[13.5, 31.9]	78.7	[68.1, 86.5]	100.0
Other/more than one (n=130)	23.2	[15.4, 33.4]	76.8	[66.6, 84.6]	100.0
Pearson: Uncorrected chi2(4) =	25.4790				
Design-based F(3.91, 9970.55) =	3.8237	Pr =	0.004		
FPL category (DW)					
0-35% (n=1,506)	23.4	[21.0, 26.0]	76.6	[74.0, 79.0]	100.0
36-99% (n=646)	20.7	[17.3, 24.6]	79.3	[75.4, 82.7]	100.0
100%+ (n=444)	22.7	[18.4, 27.7]	77.3	[72.3, 81.6]	100.0
Pearson: Uncorrected chi2(2) =	1.7785				
Design-based F(2.00, 5164.55) =	0.6777	Pr =	0.508		
Region (DW)					
UP/NW/NE (n=486)	27.9	[23.5, 32.7]	72.1	[67.3, 76.5]	100.0
W/E Central/E (n=816)	23.1	[19.9, 26.5]	76.9	[73.5, 80.1]	100.0
S Central/SW/SE (n=525)	24.6	[20.6, 29.1]	75.4	[70.9, 79.4]	100.0
Detroit Metro (n=769)	20.6	[17.6, 23.9]	79.4	[76.1, 82.4]	100.0
Pearson: Uncorrected chi2(3) =	7.5190				
Design-based F(2.75, 7118.02) =	2.1736	Pr =	0.095		
Chronic condition (2016, 2017, 2018)					
Yes (n=1,730)	27.5	[25.0, 30.1]	72.5	[69.9, 75.0]	100.0
No (n=866)	15.0	[12.4, 17.9]	85.0	[82.1, 87.6]	100.0
Pearson: Uncorrected chi2(1) =	55.0191				
Design-based F(1.00, 2584.00) =	37.6397	Pr =	0.000		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=1,680)	26.2	[23.8, 28.8]	73.8	[71.2, 76.2]	100.0
No (n=916)	16.6	[14.0, 19.7]	83.4	[80.3, 86.0]	100.0
Pearson: Uncorrected chi2(1) =	31.3766				
Design-based F(1.00, 2584.00) =	22.0625	Pr =	0.000		
Total (n=2,596)	22.7	[20.8, 24.6]	77.3	[75.4, 79.2]	100.0

Note: Total n is less than universe N due to item non-response.

- 6 Aim 6: To understand why enrollees lose or drop HMP coverage and what, if any, source of health insurance coverage they subsequently obtain.**

6.1 Q: Why did your Healthy Michigan Plan coverage end?

Follow-up group(s): Not Enrolled

Universe: Respondents whose HMP/Medicaid coverage ended since the 2017 survey (N=282)

Reasons HMP coverage ended	Weighted Proportion	95% CI
No longer eligible: income increase (n=105)	35.2	[28.6, 42.3]
No longer eligible: got other coverage (n=80)	26.7	[21.0, 33.2]
Admin problem: disenrolled/declared ineligible but don't know why (n=29)	13.6	[9.2, 19.7]
Knew you needed to re-apply for HMP, but didn't complete re-application (n=8)	5.2	[2.4, 10.7]
No longer eligible: moved out of state (n=17)	5.0	[2.8, 8.7]
No longer eligible: non-specific (n=10)	3.3	[1.4, 7.3]
Re-enrollment materials submitted; DHHS said never received/incomplete (n=5)	1.8	[0.6, 4.8]
Difficulty completing re-enrollment materials (n=4)	1.6	[0.5, 5.7]
Admin problem: case worker difficulties (n=3)	1.6	[0.4, 6.0]
Other (n=3)	1.5	[0.5, 4.9]
Disenrolled because of unmade payments (n=2)	1.1	[0.2, 6.2]
Didn't get application materials/didn't know I needed to re-apply (n=4)	0.7	[0.2, 1.8]
Admin problem: problem with information being requested (n=2)	0.4	[0.1, 1.8]
HMP too expensive (n=2)	0.3	[0.1, 1.2]

Note: Respondents were able to provide multiple responses.

6.2 Q: Are you currently covered by any kind of health insurance or health care plan?

Follow-up group(s): Not Enrolled

Universe: Respondents who were not enrolled in any Medicaid program at the time of the survey (N=555)

	Insurance status				Total Row %
	Insured Row %	95% CI	Uninsured Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=118)	57.3	[46.1, 67.8]	42.7	[32.2, 53.9]	100.0
Off for 6+ months (n=394)	71.3	[65.5, 76.5]	28.7	[23.5, 34.5]	100.0
Churned off/on (n=40)	38.6	[22.7, 57.4]	61.4	[42.6, 77.3]	100.0
Pearson: Uncorrected chi2(2) =	24.7473				
Design-based F(1.99, 1076.70) =	7.6733	Pr =	0.000		
Age (DW)					
19-34 (n=205)	66.2	[58.3, 73.3]	33.8	[26.7, 41.7]	100.0
35-50 (n=172)	61.1	[51.8, 69.6]	38.9	[30.4, 48.2]	100.0
51-64 (n=175)	70.9	[61.2, 78.9]	29.1	[21.1, 38.8]	100.0
Pearson: Uncorrected chi2(2) =	3.1332				
Design-based F(1.96, 1060.85) =	1.0929	Pr =	0.335		
Gender (DW)					
Male (n=232)	63.7	[55.9, 70.8]	36.3	[29.2, 44.1]	100.0
Female (n=320)	67.3	[60.6, 73.4]	32.7	[26.6, 39.4]	100.0
Pearson: Uncorrected chi2(1) =	0.8058				
Design-based F(1.00, 540.00) =	0.5316	Pr =	0.466		
Race/ethnicity, detailed (2016)					
White (n=360)	69.9	[63.6, 75.5]	30.1	[24.5, 36.4]	100.0
Black (n=110)	57.6	[46.3, 68.2]	42.4	[31.8, 53.7]	100.0
Hispanic (n=23)	61.9	[37.1, 81.7]	38.1	[18.3, 62.9]	100.0
Arab/Chaldean (n=22)	67.5	[43.8, 84.7]	32.5	[15.3, 56.2]	100.0
Other/more than one (n=29)	48.1	[27.3, 69.6]	51.9	[30.4, 72.7]	100.0
Pearson: Uncorrected chi2(4) =	10.7946				
Design-based F(4.00, 2125.35) =	1.6011	Pr =	0.171		
FPL category (DW)					
0-35% (n=361)	65.9	[59.4, 71.8]	34.1	[28.2, 40.6]	100.0
36-99% (n=110)	65.4	[54.0, 75.3]	34.6	[24.7, 46.0]	100.0
100%+ (n=81)	63.1	[50.3, 74.4]	36.9	[25.6, 49.7]	100.0
Pearson: Uncorrected chi2(2) =	0.2093				
Design-based F(1.99, 1077.00) =	0.0767	Pr =	0.926		
Region (DW)					
UP/NW/NE (n=109)	73.7	[62.6, 82.5]	26.3	[17.5, 37.4]	100.0
W/E Central/E (n=155)	64.3	[55.0, 72.7]	35.7	[27.3, 45.0]	100.0
S Central/SW/SE (n=107)	68.9	[57.5, 78.3]	31.1	[21.7, 42.5]	100.0
Detroit Metro (n=181)	62.9	[54.2, 70.8]	37.1	[29.2, 45.8]	100.0
Pearson: Uncorrected chi2(3) =	2.8787				
Design-based F(2.76, 1488.88) =	0.7595	Pr =	0.507		
Chronic condition (2016, 2017, 2018)					
Yes (n=330)	67.2	[60.5, 73.3]	32.8	[26.7, 39.5]	100.0
No (n=222)	63.3	[55.4, 70.6]	36.7	[29.4, 44.6]	100.0
Pearson: Uncorrected chi2(1) =	0.9258				
Design-based F(1.00, 540.00) =	0.5927	Pr =	0.442		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=317)	67.3	[60.5, 73.4]	32.7	[26.6, 39.5]	100.0
No (n=235)	63.4	[55.5, 70.6]	36.6	[29.4, 44.5]	100.0
Pearson: Uncorrected chi2(1) =	0.9437				
Design-based F(1.00, 540.00) =	0.6085	Pr =	0.436		
Total (n=552)	65.4	[60.3, 70.2]	34.6	[29.8, 39.7]	100.0

Note: Total n is less than universe N due to item non-response.

6.2.1 Q: Did you have health insurance at any time since your Healthy Michigan Plan ended/in the last 12 months?

Follow-up group(s): Not Enrolled

Universe: Respondents who were not covered by any kind of health insurance at the time of the survey (includes those who answered don't know to current coverage) (N=171)

Some insurance since HMP ended/in last 12 months	Weighted Proportion	95% CI
Yes (n=31)	21.3	[14.4, 30.3]
No (n=139)	78.7	[69.7, 85.6]
Total (n=170)	100.0	

Note: Total n is less than universe N due to item non-response.

6.2.1.1 Q: What type of health insurance did you have?

Follow-up group(s): Not Enrolled

Universe: Respondents who were not covered by any kind of health insurance at the time of the survey but had some type of insurance since their HMP coverage ended/in the last 12 months (N=31)

Some insurance since HMP coverage ended: Type of health insurance	Weighted Proportion
Employer insurance (n=17)	59.8
Medicaid (n=6)	15.2
Insurance purchased by me or someone else (n=4)	13.3
Medicare (n=1)	6.2
Student health plan (n=1)	4.0
Other (n=2)	2.4

Note: Respondents were able to provide multiple responses. Confidence interval omitted due to small sample size.

6.2.1.2 Q: Whose job is it?

Follow-up group(s): Not Enrolled

Universe: Respondents who were not covered by any kind of health insurance at the time of the survey but had health insurance through a job or a union since their HMP coverage ended/in the last 12 months (N=17)

Some insurance since HMP coverage ended: Whose job is it?	Weighted Proportion
Respondent (n=15)	85.8
Family member (n=2)	14.2
Total (n=17)	100.0

Note: Confidence interval omitted due to small sample size.

6.2.1.3 Q: Who purchased it?

Follow-up group(s): Not Enrolled

Universe: Respondents who were not covered by any kind of health insurance at the time of the survey but had health insurance that was purchased since their HMP coverage ended/in the last 12 months (N=4)

Some insurance since HMP coverage ended: Who purchased it	Weighted Proportion
Respondent (n=4)	100.0
Total (n=4)	100.0

Note: Confidence interval omitted due to small sample size.

6.2.1.4 Q: Was it purchased through the marketplace known as Healthcare.gov?

Follow-up group(s): Not Enrolled

Universe: Respondents who were not covered by any kind of health insurance at the time of the survey but had health insurance that was purchased since their HMP coverage ended/in the last 12 months (N=4)

Some insurance since HMP coverage ended: Purchased on the marketplace	Weighted Proportion
Yes (n=4)	100.0
Total (n=4)	100.0

Note: Confidence interval omitted due to small sample size.

6.2.1.5 Q: Did [you/they] receive a subsidy?

Follow-up group(s): Not Enrolled

Universe: Respondents who were not covered by any kind of health insurance at the time of the survey but had health insurance that was purchased through the Marketplace since their HMP coverage ended/in the last 12 months (N=4)

Some insurance since HMP coverage ended: Received a subsidy	Weighted Proportion
Yes (n=2)	46.6
No (n=1)	5.5
Don't know (n=1)	47.9
Total (n=4)	100.0

Note: Confidence interval omitted due to small sample size.

6.2.1.6 Q: Why did that insurance coverage end?

Follow-up group(s): Not Enrolled

Universe: Respondents who were not covered by any kind of health insurance at the time of the survey but had some type of insurance since their HMP coverage ended/in the last 12 months (N=31)

Some insurance since HMP coverage ended: Why insurance coverage ended	Weighted Proportion
Lost/changed job (n=14)	44.3
Too expensive: non-specific (n=5)	18.9
Non-specific (n=4)	10.9
Income change (n=3)	9.2
Moved out of state (n=2)	8.5
Change in job status/reduced work hours (n=1)	6.7
Disenrolled because of unpaid payments (n=1)	0.8
Other (n=1)	0.7

Note: Respondents were able to provide multiple responses. Confidence interval omitted due to small sample size.

6.2.1.7 Q: Since your Healthy Michigan Plan insurance ended/in the last 12 months, for how many months were you uninsured?

Follow-up group(s): Not Enrolled

Universe: Respondents who were not covered by any kind of health insurance at the time of the survey but had some type of insurance since their HMP coverage ended/in the last 12 months (N=31)

Some insurance since HMP coverage ended: Length of time uninsured	Weighted Proportion
Three months or less (n=12)	30.4
Four months to six months (n=7)	25.7
Seven to eleven months (n=7)	29.3
More than twelve months (n=2)	7.1
Other (n=2)	7.4
Total (n=30)	100.0

Note: Total n is less than universe N due to item non-response. Confidence interval omitted due to small sample size.

6.2.1.8 Q: What are the main reasons you currently do not have health insurance?

Follow-up group(s): Not Enrolled

Universe: Respondents who were not covered by any kind of health insurance at the time of the survey or don't know (N=172)

Some insurance since HMP coverage ended: Main reasons for no health insurance	Weighted Proportion	95% CI
Too expensive: non-specific (n=90)	47.9	[39.0, 57.0]
Didn't get around to it (n=26)	16.0	[10.2, 24.1]
Have a job but waiting for open enrollment period/waiting to enroll (n=22)	13.1	[8.0, 20.5]
Have a job but does not offer insurance (n=6)	4.8	[1.9, 11.5]
Have a job but insurance is too expensive (n=6)	4.0	[1.5, 10.0]
Other (n=8)	3.7	[1.6, 8.1]
Had problems with applying/re-applying for Medicaid (n=9)	3.4	[1.6, 7.1]
No job during that time (n=6)	3.2	[1.2, 8.0]
Don't know (n=3)	3.2	[0.9, 10.4]
Don't need health insurance (n=4)	2.8	[0.8, 9.3]
Marketplace/individual plan too expensive (n=3)	1.9	[0.4, 8.4]
Had problems with applying/re-applying for private insurance (n=3)	1.1	[0.3, 3.6]

Note: Respondents were able to provide multiple responses.

6.2.2 Q: What type of health insurance do you have?

Follow-up group(s): Not Enrolled

Universe: Respondents who were covered by some kind of health insurance at the time of the survey (N=383)

Currently insured: Type of insurance	Weighted Proportion	95% CI
Insurance through a job or union (n=206)	60.3	[54.3, 66.0]
Insurance purchased by me or someone else (n=72)	17.8	[13.8, 22.8]
Medicaid (n=39)	10.6	[7.3, 15.0]
Medicare (n=59)	8.4	[6.2, 11.4]
Veterans Administration or VA care (n=4)	1.3	[0.4, 4.2]
County health plan (n=4)	1.3	[0.5, 3.5]
Student health plan (n=4)	1.3	[0.4, 3.8]
CHAMPUS or TRICARE (n=2)	0.5	[0.1, 2.0]
Other (n=2)	0.2	[0.0, 0.8]

Note: Respondents were able to provide multiple responses.

6.2.2.1 Q: Whose job is it?

Follow-up group(s): Not Enrolled

Universe: Respondents who were covered by health insurance through a job or a union at the time of the survey (N=206)

Currently insured: Whose job is it?	Weighted Proportion	95% CI
Respondent (n=166)	82.9	[76.0, 88.1]
Family Member (n=40)	17.1	[11.9, 24.0]
Total (n=206)	100.0	

6.2.2.2 Q: Who purchased it?

Follow-up group(s): Not Enrolled

Universe: Respondents who were covered by purchased health insurance at the time of the survey (N=72)

Currently insured: Who purchased it?	Weighted Proportion	95% CI
Respondent (n=57)	82.2	[69.5, 90.3]
Family Member (n=13)	17.8	[9.7, 30.5]
Total (n=70)	100.0	

Note: Total n is less than universe N due to item non-response.

6.2.2.3 Q: Was it purchased through the marketplace known as Healthcare.gov?

Follow-up group(s): Not Enrolled

Universe: Respondents who were covered by purchased health insurance at the time of the survey (N=72)

Currently insured: Was it purchased on the marketplace?	Weighted Proportion	95% CI
Yes (n=54)	79.0	[64.9, 88.5]
No (n=10)	13.5	[6.1, 27.4]
Don't know (n=6)	7.4	[2.9, 17.5]
Total (n=70)	100.0	

Note: Total n is less than universe N due to item non-response.

6.2.2.4 Q: Did [you/they] receive a subsidy?

Follow-up group(s): Not Enrolled

Universe: Respondents who were covered by health insurance that was purchased through the marketplace at the time of the survey (N=54)

Currently insured: Received a subsidy?	Weighted Proportion
Yes (n=40)	72.4
No (n=11)	19.0
Don't know (n=3)	8.7
Total (n=54)	100.0

Note: Confidence interval omitted due to small sample size.

6.2.3 Q: Was there any time since your Healthy Michigan Plan insurance ended/in the past 12 months that you didn't have any health insurance?

Follow-up group(s): Not Enrolled

Universe: Respondents who were covered by any kind of health insurance at the time of the survey (N=383)

	Currently insured: uninsured for a period of time since HMP ended				Total Row %
	Yes		No		
	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=73)	27.0	[16.5, 40.9]	73.0	[59.1, 83.5]	100.0
Off for 6+ months (n=288)	25.6	[19.8, 32.3]	74.4	[67.7, 80.2]	100.0
Churned off/on (n=19)	16.3	[5.9, 37.8]	83.7	[62.2, 94.1]	100.0
Pearson: Uncorrected chi2(2) =	0.9735				
Design-based F(1.90, 700.69) =	0.4123	Pr =	0.652		
Age (DW)					
19-34 (n=140)	23.5	[16.4, 32.3]	76.5	[67.7, 83.6]	100.0
35-50 (n=113)	29.4	[20.3, 40.6]	70.6	[59.4, 79.7]	100.0
51-64 (n=127)	23.6	[15.2, 34.7]	76.4	[65.3, 84.8]	100.0
Pearson: Uncorrected chi2(2) =	1.5391				
Design-based F(1.97, 726.10) =	0.5440	Pr =	0.578		
Gender (DW)					
Male (n=154)	25.2	[17.8, 34.4]	74.8	[65.6, 82.2]	100.0
Female (n=226)	25.6	[19.3, 33.1]	74.4	[66.9, 80.7]	100.0
Pearson: Uncorrected chi2(1) =	0.0079				
Design-based F(1.00, 368.00) =	0.0052	Pr =	0.943		
Race/ethnicity, detailed (2016)					
White (n=264)	23.9	[18.2, 30.7]	76.1	[69.3, 81.8]	100.0
Black (n=64)	35.8	[23.0, 50.9]	64.2	[49.1, 77.0]	100.0
Hispanic (n=16)	28.6	[8.6, 62.9]	71.4	[37.1, 91.4]	100.0
Arab/Chaldean (n=14)	18.6	[6.0, 44.8]	81.4	[55.2, 94.0]	100.0
Other/more than one (n=15)	10.7	[2.2, 38.7]	89.3	[61.3, 97.8]	100.0
Pearson: Uncorrected chi2(4) =	7.3225				
Design-based F(3.87, 1396.41) =	1.1974	Pr =	0.310		
FPL category (DW)					
0-35% (n=255)	29.3	[22.8, 36.9]	70.7	[63.1, 77.2]	100.0
36-99% (n=73)	15.2	[8.2, 26.7]	84.8	[73.3, 91.8]	100.0
100%+ (n=52)	18.8	[9.8, 33.3]	81.2	[66.7, 90.2]	100.0
Pearson: Uncorrected chi2(2) =	7.0419				
Design-based F(2.00, 734.32) =	2.9141	Pr =	0.055		
Region (DW)					
UP/NW/NE (n=81)	17.3	[10.1, 28.1]	82.7	[71.9, 89.9]	100.0
W/E Central/E (n=106)	25.5	[17.1, 36.2]	74.5	[63.8, 82.9]	100.0
S Central/SW/SE (n=74)	27.5	[17.1, 41.2]	72.5	[58.8, 82.9]	100.0
Detroit Metro (n=119)	26.3	[18.1, 36.5]	73.7	[63.5, 81.9]	100.0
Pearson: Uncorrected chi2(3) =	1.5837				
Design-based F(2.67, 983.25) =	0.4307	Pr =	0.708		
Chronic condition (2016, 2017, 2018)					
Yes (n=236)	27.4	[20.7, 35.3]	72.6	[64.7, 79.3]	100.0
No (n=144)	22.9	[15.9, 31.8]	77.1	[68.2, 84.1]	100.0
Pearson: Uncorrected chi2(1) =	0.9832				
Design-based F(1.00, 368.00) =	0.6476	Pr =	0.421		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=225)	25.9	[19.7, 33.3]	74.1	[66.7, 80.3]	100.0
No (n=155)	24.8	[17.2, 34.2]	75.2	[65.8, 82.8]	100.0
Pearson: Uncorrected chi2(1) =	0.0653				
Design-based F(1.00, 368.00) =	0.0425	Pr =	0.837		
Total (n=380)	25.4	[20.3, 31.2]	74.6	[68.8, 79.7]	100.0

Note: Total n is less than universe N due to item non-response.

6.2.3.1 Q: How long were you uninsured?

Follow-up group(s): Not Enrolled

Universe: Respondents who were covered by some kind of health insurance at the time of the survey but were uninsured for a period of time since their HMP coverage ended/in the past 12 months (N=90)

Currently insured: Length of time uninsured	Weighted Proportion	95% CI
Three months or less (n=64)	74.3	[62.2, 83.5]
Four months to six months (n=12)	10.2	[5.2, 19.1]
Seven months to eleven months (n=8)	5.7	[2.5, 12.4]
More than twelve months (n=4)	8.0	[2.8, 20.9]
Other (n=2)	1.7	[0.4, 7.0]
Total (n=90)	100.0	

6.2.3.2 Q: What were the main reasons you were without health insurance for that time?

Follow-up group(s): Not Enrolled

Universe: Respondents who were covered by some kind of health insurance at the time of the survey but were uninsured for a period of time since their HMP coverage ended/in the past 12 months (N=90)

Currently insured: Main reasons without health insurance for some time	Weighted Proportion	95% CI
Have a job but waiting for open enrollment period/waiting to enroll (n=38)	46.6	[34.0, 59.6]
Too expensive: non-specific (n=18)	19.0	[10.8, 31.4]
Other (n=9)	12.1	[5.7, 23.7]
Didn't get around to it (n=11)	11.7	[5.5, 23.2]
Had problems with applying/re-applying for Medicaid (n=9)	7.9	[3.7, 16.1]
No job during that time (n=5)	6.6	[2.2, 18.0]
Have a job but job does not offer insurance (n=2)	2.6	[0.6, 11.5]
Don't need health insurance (n=2)	2.5	[0.6, 9.9]
Took time for HMP application to be completed/accepted (n=1)	1.0	[0.1, 7.0]
Have a job but don't work enough hours for coverage (n=1)	0.8	[0.1, 5.6]
Marketplace/individual plan too expensive (n=1)	0.7	[0.1, 5.1]

Note: Respondents were able to provide multiple responses.

6.2.4 Q: Is your current health insurance plan in your name or someone else's?

Follow-up group(s): Not Enrolled

Universe: Respondents who were covered by any kind of health insurance at the time of the survey (N=383)

Currently insured: Name on insurance plan	Weighted Proportion	95% CI
My name (n=328)	86.3	[81.6, 89.9]
Someone else's name (n=54)	13.7	[10.1, 18.4]
Total (n=382)	100.0	

Note: Total n is less than universe N due to item non-response.

6.2.4.1 Q: What is your relationship to that person?

Follow-up group(s): Not Enrolled

Universe: Respondents who were covered by some kind of health insurance that is in someone else's name at the time of the survey (N=54)

Currently insured: Relationship to that person	Weighted Proportion	95% CI
Spouse (n=52)	95.6	[83.7, 98.9]
Other family member (n=1)	3.4	[0.4, 21.6]
Some other relationship (n=1)	1.0	[0.1, 7.3]
Total (n=54)	100.0	

6.2.5 Q: How much are the health insurance premiums?

Follow-up group(s): Not Enrolled

Universe: Respondents who were covered by any kind of health insurance at the time of the survey (N=383)

Cost of health insurance premiums	Weighted Proportion	95% CI
\$0 (n=56)	15.3	[11.4, 20.2]
\$1-99 (n=131)	36.8	[31.1, 43.0]
\$100-199 (n=123)	27.9	[23.0, 33.5]
\$200+ (n=58)	14.6	[10.9, 19.3]
Don't know (n=15)	5.3	[2.9, 9.4]
Total (n=383)	100.0	

Note: As noted in the next table, while many respondents reported paying premiums monthly, some respondents said they pay premiums at different time intervals (weekly, biweekly, quarterly). This means that the amounts in this table do not necessarily reflect monthly premium ranges, and in some cases may underestimate the premium amount that respondents pay monthly.

6.2.6 Q: How often are the health insurance premiums paid?

Follow-up group(s): Not Enrolled

Universe: Respondents who were covered by any kind of health insurance at the time of the survey (N=383)

Health insurance premiums payment frequency	Weighted Proportion	95% CI
Once a month (n=216)	63.2	[56.5, 69.5]
Every 2 weeks (n=67)	21.4	[16.3, 27.5]
Every week (n=41)	14.4	[10.2, 20.0]
Quarterly or less often (n=4)	1.0	[0.3, 3.0]
Total (n=328)	100.0	

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

6.2.7 All responses: How often are the health insurance premiums paid?

Follow-up group(s): Not Enrolled

Universe: Respondents who were covered by any kind of health insurance at the time of the survey (N=383)

Health insurance premiums payment frequency	Weighted Proportion	95% CI
Once a month (n=216)	54.1	[47.9, 60.1]
Every 2 weeks (n=67)	18.3	[13.9, 23.7]
Every week (n=41)	12.3	[8.7, 17.2]
Quarterly or less often (n=4)	0.8	[0.3, 2.6]
N/A (n=54)	14.5	[10.7, 19.3]
Total (n=382)	100.0	

Note: Total n is less than universe N due to item non-response.

6.2.8 Q: Who is covered under your current health insurance plan?

Follow-up group(s): Not Enrolled

Universe: Respondents who were covered by a private health insurance plan that was in their name at the time of the survey (N=225)

Who is covered under health insurance plan	Weighted Proportion	95% CI
Just me (n=172)	80.4	[73.8, 85.6]
Me and at least one other family member (n=51)	19.6	[14.4, 26.2]
Total (n=223)	100.0	

Note: Total n is less than universe N due to item non-response.

6.2.9 Q: Does this health plan have a deductible?

Follow-up group(s): Not Enrolled

Universe: Respondents who were covered by a private health insurance plan that was in their name at the time of the survey (N=225)

Health plan has a deductible	Weighted Proportion	95% CI
Yes (n=189)	83.2	[76.2, 88.5]
No (n=24)	12.1	[7.6, 18.7]
Don't know (n=10)	4.7	[2.3, 9.3]
Total (n=223)	100.0	

Note: Total n is less than universe N due to item non-response.

6.2.9.1 Q: What is the annual deductible for medical care for this plan? (individual plan)

Follow-up group(s): Not Enrolled

Universe: Respondents who were covered by a private individual health insurance plan that was in their name and their plan had a deductible at the time of the survey (N=148)

Annual deductible amount (individual)	Weighted Proportion	95% CI
< \$1,300 (n=58)	40.7	[31.5, 50.5]
\$1,300-2,600 (n=79)	52.8	[42.9, 62.5]
Don't know (n=11)	6.5	[3.2, 12.9]
Total (n=148)	100.0	

6.2.9.2 Q: What is the annual deductible for medical care for this plan? (2+ persons covered)

Follow-up group(s): Not Enrolled

Universe: Respondents who were covered by a private health insurance plan with 2+ persons covered that was in their name and their plan had a deductible at the time of the survey (N=41)

Annual deductible amount (2+ covered)	Weighted Proportion	95% CI
< \$2,600 (n=20)	48.2	[34.9, 61.7]
\$2,600-5,200 (n=16)	35.7	[19.8, 55.6]
Don't know (n=5)	16.1	[4.8, 42.3]
Total (n=41)	100.0	

6.3 Q: The amount I paid for the Healthy Michigan Plan seemed fair.

Follow-up group(s): Not Enrolled

Universe: Respondents whose HMP coverage ended since the 2017 survey (N=731)

	Strongly agree		Agree		Amount I paid for HMP seemed fair Neutral		Disagree		Strongly disagree		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)											
Stayed on (n=495)	26.8	[22.1, 32.0]	66.0	[60.7, 71.0]	3.8	[2.3, 6.2]	2.6	[1.4, 4.9]	0.8	[0.3, 2.0]	100.0
Off for 6+ months (n=156)	39.2	[30.0, 49.2]	54.8	[44.9, 64.3]	0.9	[0.3, 2.8]	4.4	[1.9, 9.6]	0.8	[0.1, 5.4]	100.0
Churned off/on (n=68)	20.3	[11.4, 33.3]	71.7	[58.1, 82.2]	5.7	[2.0, 15.2]	2.4	[0.7, 7.4]	0.0		100.0
Pearson: Uncorrected chi2(8) =	18.7735										
Design-based F(7.23, 5111.79) =	2.0130	Pr =	0.048								
Age (DW)											
19-34 (n=211)	29.3	[22.8, 36.8]	64.8	[57.2, 71.8]	2.1	[0.8, 5.3]	3.3	[1.4, 7.7]	0.4	[0.1, 3.0]	100.0
35-50 (n=209)	28.5	[21.6, 36.6]	63.5	[55.3, 71.0]	5.9	[3.2, 10.5]	1.0	[0.3, 3.2]	1.1	[0.4, 3.2]	100.0
51-64 (n=299)	28.4	[22.3, 35.4]	63.8	[56.8, 70.3]	2.2	[1.2, 4.0]	4.9	[2.9, 8.0]	0.7	[0.2, 2.9]	100.0
Pearson: Uncorrected chi2(8) =	12.8889										
Design-based F(7.22, 5105.23) =	1.4193	Pr =	0.190								
Gender (DW)											
Male (n=270)	30.0	[23.7, 37.1]	66.3	[59.1, 72.8]	1.3	[0.4, 4.2]	2.2	[1.0, 4.9]	0.3	[0.0, 1.8]	100.0
Female (n=449)	27.8	[23.0, 33.3]	62.3	[56.7, 67.7]	5.1	[3.2, 8.0]	3.6	[2.0, 6.4]	1.1	[0.5, 2.7]	100.0
Pearson: Uncorrected chi2(4) =	11.4343										
Design-based F(3.80, 2689.60) =	2.2077	Pr =	0.069								
Race/ethnicity, detailed (2016)											
White (n=461)	28.6	[23.7, 34.2]	65.7	[60.1, 70.9]	2.4	[1.3, 4.4]	2.5	[1.3, 4.8]	0.7	[0.3, 2.1]	100.0
Black (n=153)	31.4	[23.3, 40.8]	61.5	[52.0, 70.2]	2.3	[0.7, 7.2]	4.7	[2.2, 10.0]	0.0		100.0
Hispanic (n=32)	24.1	[9.9, 47.9]	69.1	[46.4, 85.3]	5.7	[1.0, 26.0]	0.0		1.0	[0.1, 7.0]	100.0
Arab/Chaldean (n=25)	38.8	[20.2, 61.4]	46.2	[25.6, 68.2]	7.2	[1.7, 25.7]	2.4	[0.3, 15.8]	5.5	[1.2, 21.6]	100.0
Other/more than one (n=38)	23.1	[10.4, 43.8]	66.3	[46.6, 81.6]	8.7	[3.0, 22.7]	1.9	[0.3, 12.6]	0.0		100.0
Pearson: Uncorrected chi2(16) =	28.2681										
Design-based F(14.40, 10034.29) =	1.3236	Pr =	0.182								
FPL category (DW)											
0-35% (n=537)	29.3	[24.6, 34.5]	64.7	[59.4, 69.6]	2.8	[1.6, 4.9]	2.5	[1.4, 4.5]	0.7	[0.3, 1.7]	100.0
36-99% (n=123)	25.9	[17.8, 36.1]	64.4	[54.0, 73.6]	5.0	[2.2, 11.0]	3.3	[1.4, 7.9]	1.4	[0.3, 6.3]	100.0
100%+ (n=59)	30.0	[18.8, 44.4]	58.7	[43.8, 72.1]	4.8	[1.4, 15.0]	6.5	[1.8, 20.9]	0.0		100.0
Pearson: Uncorrected chi2(8) =	6.5306										
Design-based F(7.67, 5423.18) =	0.7039	Pr =	0.682								
Region (DW)											
UP/NW/NE (n=141)	32.9	[24.2, 42.8]	61.6	[51.8, 70.5]	3.5	[1.5, 8.3]	1.4	[0.3, 6.2]	0.6	[0.1, 4.2]	100.0
W/E Central/E (n=212)	23.1	[17.2, 30.3]	71.0	[63.4, 77.5]	2.6	[1.0, 6.4]	2.1	[0.8, 5.6]	1.2	[0.4, 4.1]	100.0
S Central/SW/SE (n=150)	24.4	[16.7, 34.3]	65.8	[55.8, 74.5]	2.8	[1.0, 7.5]	6.2	[3.0, 12.5]	0.8	[0.2, 3.3]	100.0
Detroit Metro (n=216)	33.2	[26.3, 40.9]	59.8	[52.1, 67.1]	4.0	[2.1, 7.5]	2.6	[1.1, 5.9]	0.4	[0.1, 2.8]	100.0
Pearson: Uncorrected chi2(12) =	15.9406										
Design-based F(10.66, 7535.79) =	1.3162	Pr =	0.210								
Chronic condition (2016, 2017, 2018)											
Yes (n=492)	27.6	[22.8, 32.8]	66.3	[60.9, 71.3]	2.1	[1.1, 3.8]	3.3	[1.9, 5.4]	0.8	[0.3, 2.2]	100.0
No (n=227)	30.9	[24.2, 38.6]	60.5	[52.6, 67.8]	5.4	[3.0, 9.7]	2.5	[1.0, 6.5]	0.7	[0.2, 2.2]	100.0
Pearson: Uncorrected chi2(4) =	7.4814										
Design-based F(3.75, 2649.92) =	1.4946	Pr =	0.204								
MH/SUD (2016, 2017, 2018 or DW)											
Yes (n=486)	26.5	[21.9, 31.6]	65.3	[59.9, 70.3]	4.0	[2.4, 6.5]	3.4	[2.0, 5.7]	0.8	[0.3, 2.2]	100.0
No (n=233)	33.5	[26.3, 41.6]	61.8	[53.7, 69.3]	2.0	[0.8, 4.9]	2.2	[0.8, 5.9]	0.5	[0.1, 2.2]	100.0
Pearson: Uncorrected chi2(4) =	5.9388										
Design-based F(3.74, 2641.88) =	1.2245	Pr =	0.299								
Total (n=719)	28.8	[24.8, 33.1]	64.1	[59.7, 68.4]	3.3	[2.2, 5.1]	3.0	[1.9, 4.7]	0.7	[0.3, 1.6]	100.0

Note: Total n is less than universe N due to item non-response.

6.4 Q: The amount I paid for the Healthy Michigan Plan was affordable.

Follow-up group(s): Not Enrolled

Universe: Respondents whose HMP coverage ended since the 2017 survey (N=731)

	Strongly agree		Agree		Amount I paid for HMP was affordable Neutral		Disagree		Strongly disagree		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)											
Stayed on (n=497)	25.9	[21.4, 31.1]	66.8	[61.5, 71.8]	2.5	[1.3, 4.8]	3.9	[2.3, 6.7]	0.8	[0.3, 2.1]	100.0
Off for 6+ months (n=156)	42.7	[33.4, 52.6]	53.8	[44.0, 63.4]	1.8	[0.6, 4.9]	0.9	[0.3, 2.8]	0.8	[0.1, 5.4]	100.0
Churned off/on (n=69)	28.8	[18.0, 42.5]	66.6	[52.7, 78.1]	0.0		4.6	[1.7, 11.9]	0.0		100.0
Pearson: Uncorrected chi2(8) =	21.4536										
Design-based F(7.26, 5157.90) =	2.2910	Pr =	0.023								
Age (DW)											
19-34 (n=211)	34.1	[27.2, 41.7]	61.4	[53.7, 68.6]	1.5	[0.4, 4.9]	2.6	[1.1, 6.1]	0.4	[0.1, 3.0]	100.0
35-50 (n=213)	27.9	[21.1, 35.9]	65.2	[57.1, 72.5]	2.8	[1.1, 6.6]	3.6	[1.7, 7.5]	0.5	[0.1, 2.2]	100.0
51-64 (n=298)	26.5	[20.8, 33.1]	66.1	[59.1, 72.4]	2.0	[1.0, 4.0]	4.0	[1.8, 8.7]	1.4	[0.4, 4.6]	100.0
Pearson: Uncorrected chi2(8) =	6.8466										
Design-based F(7.46, 5293.85) =	0.6882	Pr =	0.692								
Gender (DW)											
Male (n=272)	29.5	[23.3, 36.5]	67.2	[60.1, 73.6]	1.8	[0.6, 5.2]	0.9	[0.3, 2.7]	0.6	[0.2, 2.6]	100.0
Female (n=450)	30.5	[25.5, 36.0]	61.1	[55.4, 66.5]	2.3	[1.2, 4.1]	5.4	[3.3, 8.8]	0.8	[0.3, 2.2]	100.0
Pearson: Uncorrected chi2(4) =	12.4247										
Design-based F(3.86, 2738.15) =	2.4237	Pr =	0.048								
Race/ethnicity, detailed (2016)											
White (n=461)	31.3	[26.2, 36.9]	62.7	[57.0, 68.1]	2.3	[1.1, 4.6]	3.3	[1.8, 5.9]	0.4	[0.1, 1.4]	100.0
Black (n=156)	29.0	[21.3, 38.2]	65.8	[56.5, 74.0]	1.2	[0.2, 6.5]	3.3	[1.4, 7.5]	0.7	[0.1, 4.7]	100.0
Hispanic (n=32)	33.6	[16.8, 56.0]	65.5	[43.4, 82.5]	0.9	[0.1, 6.1]	0.0		0.0		100.0
Arab/Chaldean (n=25)	32.8	[15.9, 55.8]	59.1	[36.7, 78.2]	0.0		4.4	[0.6, 25.7]	3.8	[0.5, 22.9]	100.0
Other/more than one (n=38)	25.5	[12.0, 46.1]	64.4	[44.4, 80.4]	1.0	[0.1, 7.1]	7.2	[1.6, 27.5]	1.9	[0.3, 12.4]	100.0
Pearson: Uncorrected chi2(16) =	12.0866										
Design-based F(14.08, 9856.63) =	0.5732	Pr =	0.889								
FPL category (DW)											
0-35% (n=539)	29.3	[24.7, 34.5]	65.5	[60.3, 70.4]	1.4	[0.6, 2.9]	3.0	[1.7, 5.3]	0.8	[0.3, 2.0]	100.0
36-99% (n=123)	31.5	[22.6, 42.0]	57.7	[47.0, 67.7]	4.9	[1.8, 12.6]	5.2	[2.3, 11.6]	0.7	[0.1, 4.8]	100.0
100%+ (n=60)	33.3	[21.1, 48.1]	60.9	[46.0, 74.0]	2.9	[0.7, 11.3]	3.0	[0.6, 14.3]	0.0		100.0
Pearson: Uncorrected chi2(8) =	9.3005										
Design-based F(7.76, 5510.04) =	0.9911	Pr =	0.439								
Region (DW)											
UP/NW/NE (n=142)	35.2	[26.4, 45.0]	59.5	[49.8, 68.5]	2.2	[0.6, 7.8]	1.4	[0.3, 6.2]	1.7	[0.4, 7.1]	100.0
W/E Central/E (n=213)	26.8	[20.5, 34.2]	66.4	[58.7, 73.4]	2.6	[1.0, 6.9]	3.7	[1.6, 8.6]	0.4	[0.1, 2.9]	100.0
S Central/SW/SE (n=149)	26.5	[18.4, 36.5]	65.7	[55.8, 74.5]	1.9	[0.6, 5.6]	5.5	[2.7, 10.7]	0.4	[0.1, 2.7]	100.0
Detroit Metro (n=218)	32.2	[25.5, 39.8]	62.6	[55.0, 69.6]	1.7	[0.6, 4.6]	2.7	[1.1, 6.2]	0.8	[0.2, 3.2]	100.0
Pearson: Uncorrected chi2(12) =	8.0620										
Design-based F(10.68, 7579.62) =	0.6438	Pr =	0.788								
Chronic condition (2016, 2017, 2018)											
Yes (n=494)	28.6	[23.8, 33.9]	64.6	[59.1, 69.7]	1.8	[0.9, 3.7]	4.3	[2.6, 7.2]	0.7	[0.2, 1.9]	100.0
No (n=228)	32.4	[25.6, 40.0]	62.7	[55.0, 69.9]	2.4	[1.0, 5.9]	1.7	[0.6, 4.5]	0.8	[0.2, 3.3]	100.0
Pearson: Uncorrected chi2(4) =	4.7034										
Design-based F(3.89, 2765.38) =	0.9147	Pr =	0.452								
MH/SUD (2016, 2017, 2018 or DW)											
Yes (n=490)	28.9	[24.2, 34.1]	62.9	[57.5, 68.0]	2.7	[1.5, 4.9]	4.6	[2.8, 7.3]	0.9	[0.3, 2.3]	100.0
No (n=232)	32.3	[25.2, 40.3]	66.0	[57.9, 73.1]	0.7	[0.1, 3.1]	0.7	[0.1, 3.8]	0.4	[0.0, 2.5]	100.0
Pearson: Uncorrected chi2(4) =	11.7012										
Design-based F(3.79, 2688.86) =	2.4739	Pr =	0.046								
Total (n=722)	30.0	[26.0, 34.3]	63.9	[59.5, 68.1]	2.0	[1.2, 3.6]	3.3	[2.1, 5.2]	0.7	[0.3, 1.7]	100.0

Note: Total n is less than universe N due to item non-response.

6.5 Q: I worry more about something bad happening to my health since my Healthy Michigan Plan insurance ended.

Follow-up group(s): Not Enrolled

Universe: Respondents whose HMP coverage ended since the 2017 survey (N=731)

	Strongly agree		Agree		I worry more about my health since HMP coverage ended				Strongly disagree		Don't know		Total Row %
	Row %	95% CI	Row %	95% CI	Neutral Row %	95% CI	Disagree Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)													
Stayed on (n=499)	15.0	[11.6, 19.2]	26.7	[22.2, 31.8]	9.0	[6.3, 12.6]	38.2	[33.1, 43.6]	6.7	[4.3, 10.3]	4.4	[2.7, 7.2]	100.0
Off for 6+ months (n=157)	22.6	[15.5, 31.8]	27.5	[19.9, 36.6]	9.9	[5.2, 18.2]	33.4	[24.6, 43.5]	6.6	[3.4, 12.6]	0.0		100.0
Churned off/on (n=70)	19.8	[11.0, 33.3]	38.1	[25.1, 53.0]	11.6	[5.2, 23.9]	25.9	[15.4, 40.2]	1.3	[0.2, 8.7]	3.3	[0.5, 20.0]	100.0
Pearson: Uncorrected chi2(10) =	22.4869												
Design-based F(9.42, 6728.78) =	1.3379	Pr =	0.208										
Age (DW)													
19-34 (n=210)	13.8	[9.3, 20.1]	22.3	[16.4, 29.6]	12.1	[7.8, 18.3]	40.7	[33.4, 48.5]	8.8	[5.3, 14.1]	2.2	[0.7, 6.5]	100.0
35-50 (n=213)	17.3	[11.9, 24.4]	34.8	[27.5, 42.9]	8.6	[5.1, 14.1]	31.9	[24.9, 39.8]	3.0	[1.1, 7.7]	4.5	[2.0, 9.4]	100.0
51-64 (n=303)	22.3	[16.9, 28.8]	28.8	[23.1, 35.4]	6.7	[4.2, 10.7]	32.9	[26.6, 39.9]	5.8	[3.0, 10.9]	3.5	[1.6, 7.2]	100.0
Pearson: Uncorrected chi2(10) =	28.6323												
Design-based F(9.61, 6860.95) =	1.9114	Pr =	0.042										
Gender (DW)													
Male (n=271)	18.0	[13.1, 24.2]	29.7	[23.6, 36.6]	11.0	[7.3, 16.3]	32.5	[26.1, 39.7]	5.1	[2.6, 9.8]	3.7	[1.6, 7.9]	100.0
Female (n=455)	16.7	[12.9, 21.2]	27.0	[22.2, 32.4]	8.2	[5.5, 12.1]	38.3	[33.0, 44.0]	6.8	[4.4, 10.3]	3.0	[1.6, 5.4]	100.0
Pearson: Uncorrected chi2(5) =	4.9189												
Design-based F(4.99, 3559.33) =	0.6102	Pr =	0.692										
Race/ethnicity, detailed (2016)													
White (n=465)	19.2	[15.0, 24.2]	26.4	[21.8, 31.6]	11.1	[7.9, 15.4]	36.3	[31.0, 42.0]	4.7	[2.7, 8.0]	2.3	[1.2, 4.3]	100.0
Black (n=156)	14.4	[9.3, 21.4]	29.6	[21.6, 39.1]	4.4	[1.9, 9.7]	39.2	[30.5, 48.7]	8.1	[4.4, 14.3]	4.4	[1.7, 10.8]	100.0
Hispanic (n=32)	19.0	[7.2, 41.6]	13.0	[5.1, 29.4]	14.2	[3.9, 40.4]	39.7	[22.1, 60.5]	13.1	[3.3, 40.0]	0.8	[0.1, 5.9]	100.0
Arab/Chaldean (n=26)	13.0	[4.4, 32.6]	31.9	[15.7, 54.1]	17.0	[5.9, 40.0]	13.6	[3.7, 39.2]	8.2	[1.9, 29.6]	16.3	[5.0, 41.5]	100.0
Other/more than one (n=38)	18.8	[7.0, 41.7]	49.8	[31.1, 68.5]	6.2	[1.6, 21.5]	22.4	[11.0, 40.1]	2.8	[0.6, 11.4]	0.0		100.0
Pearson: Uncorrected chi2(20) =	59.4061												
Design-based F(18.10, 12759.55) =	1.8825	Pr =	0.013										
FPL category (DW)													
0-35% (n=543)	19.0	[15.1, 23.5]	28.8	[24.2, 33.8]	8.3	[5.8, 11.8]	34.8	[30.0, 40.0]	5.9	[3.8, 9.1]	3.2	[1.7, 5.8]	100.0
36-99% (n=123)	11.4	[6.7, 18.8]	31.0	[21.9, 41.7]	12.2	[6.4, 21.9]	39.2	[29.5, 49.9]	2.1	[0.6, 7.6]	4.1	[1.5, 10.4]	100.0
100%+ (n=60)	12.9	[6.4, 24.4]	18.0	[9.9, 30.7]	14.9	[7.2, 28.2]	36.7	[23.2, 52.8]	14.4	[6.5, 28.9]	2.9	[0.6, 14.1]	100.0
Pearson: Uncorrected chi2(10) =	20.6730												
Design-based F(9.78, 6986.34) =	1.5726	Pr =	0.110										
Region (DW)													
UP/NW/NE (n=140)	17.6	[11.2, 26.6]	25.9	[19.0, 34.4]	9.6	[5.1, 17.4]	39.0	[30.1, 48.7]	4.4	[1.9, 10.1]	3.4	[1.5, 7.7]	100.0
W/E Central/E (n=213)	14.6	[10.0, 20.8]	30.8	[24.0, 38.5]	6.6	[3.7, 11.4]	39.0	[31.4, 47.1]	4.7	[2.2, 9.8]	4.4	[2.0, 9.6]	100.0
S Central/SW/SE (n=153)	18.0	[11.9, 26.3]	29.7	[21.9, 38.8]	10.5	[5.8, 18.3]	33.2	[24.4, 43.2]	7.4	[3.2, 16.0]	1.2	[0.3, 4.1]	100.0
Detroit Metro (n=220)	18.5	[13.3, 25.2]	26.6	[20.2, 34.1]	10.8	[6.9, 16.7]	33.9	[27.2, 41.4]	6.7	[3.8, 11.4]	3.4	[1.5, 7.7]	100.0
Pearson: Uncorrected chi2(15) =	10.1678												
Design-based F(13.22, 9439.80) =	0.5686	Pr =	0.883										
Chronic condition (2016, 2017, 2018)													
Yes (n=498)	20.0	[15.8, 24.8]	31.5	[26.6, 36.8]	8.8	[6.2, 12.4]	31.6	[26.7, 37.0]	4.3	[2.5, 7.3]	3.8	[2.1, 7.0]	100.0
No (n=228)	12.7	[8.5, 18.4]	22.6	[16.7, 30.0]	10.7	[6.6, 16.8]	42.6	[35.1, 50.4]	9.0	[5.5, 14.6]	2.4	[1.0, 5.5]	100.0
Pearson: Uncorrected chi2(5) =	23.7198												
Design-based F(4.97, 3551.91) =	3.0599	Pr =	0.009										
MH/SUD (2016, 2017, 2018 or DW)													
Yes (n=493)	18.3	[14.4, 22.9]	29.6	[24.8, 34.8]	10.5	[7.5, 14.5]	34.6	[29.5, 40.0]	4.4	[2.6, 7.4]	2.6	[1.3, 5.1]	100.0
No (n=233)	15.2	[10.3, 21.8]	25.5	[19.1, 33.1]	7.4	[4.3, 12.5]	37.9	[30.5, 46.0]	9.3	[5.5, 15.3]	4.7	[2.2, 9.7]	100.0
Pearson: Uncorrected chi2(5) =	12.3213												
Design-based F(4.99, 3564.14) =	1.5734	Pr =	0.164										
Total (n=726)	17.3	[14.1, 20.9]	28.2	[24.3, 32.5]	9.5	[7.1, 12.5]	35.7	[31.5, 40.1]	6.0	[4.2, 8.7]	3.3	[2.0, 5.4]	100.0

Note: Total n is less than universe N due to item non-response.

6.6 Q: The amount I pay now for my health insurance seems fair.

Follow-up group(s): Not Enrolled

Universe: Respondents who were covered by some kind of health insurance at the time of the survey (N=814)

	Amount I pay now for my health insurance seems fair												Total Row %
	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)													
Stayed on (n=440)	11.1	[7.9, 15.3]	64.8	[59.1, 70.1]	8.6	[5.8, 12.7]	8.2	[5.8, 11.5]	6.1	[3.8, 9.6]	1.2	[0.4, 3.7]	100.0
Off for 6+ months (n=290)	8.7	[5.4, 13.7]	51.1	[44.1, 58.1]	5.2	[3.0, 8.9]	22.7	[17.6, 28.8]	9.2	[5.9, 14.1]	3.0	[1.3, 6.9]	100.0
Churned off/on (n=56)	12.0	[4.7, 27.4]	48.2	[32.4, 64.4]	14.5	[6.2, 30.2]	8.9	[4.5, 17.0]	11.0	[3.3, 30.8]	5.4	[1.0, 23.9]	100.0
Pearson: Uncorrected chi2(10) =	51.4356												
Design-based F(9.22, 7136.30) =	3.1116	Pr =	0.001										
Age (DW)													
19-34 (n=225)	10.4	[6.7, 15.9]	56.9	[49.4, 64.1]	9.6	[6.0, 15.2]	13.5	[9.4, 19.0]	7.5	[4.3, 12.8]	2.0	[0.6, 6.5]	100.0
35-50 (n=230)	9.5	[5.6, 15.7]	58.2	[50.4, 65.5]	7.5	[4.3, 12.7]	15.0	[10.7, 20.7]	7.2	[4.0, 12.8]	2.6	[1.0, 6.6]	100.0
51-64 (n=331)	10.8	[7.3, 15.6]	59.9	[53.2, 66.3]	5.6	[3.3, 9.2]	13.1	[9.5, 17.7]	8.5	[5.3, 13.4]	2.2	[0.7, 6.4]	100.0
Pearson: Uncorrected chi2(10) =	4.0877												
Design-based F(9.53, 7377.92) =	0.2696	Pr =	0.986										
Gender (DW)													
Male (n=299)	9.7	[6.2, 14.9]	61.0	[54.2, 67.5]	6.2	[3.6, 10.4]	13.3	[9.6, 18.1]	7.0	[4.1, 11.7]	2.7	[1.1, 6.3]	100.0
Female (n=487)	10.7	[7.8, 14.4]	55.7	[50.2, 61.0]	9.2	[6.3, 13.1]	14.3	[11.2, 18.2]	8.3	[5.7, 12.0]	1.9	[0.8, 4.5]	100.0
Pearson: Uncorrected chi2(5) =	4.5312												
Design-based F(4.95, 3830.07) =	0.5587	Pr =	0.730										
Race/ethnicity, detailed (2016)													
White (n=520)	8.7	[6.1, 12.2]	59.7	[54.4, 64.9]	7.3	[4.9, 10.6]	14.1	[10.9, 17.9]	7.8	[5.2, 11.4]	2.5	[1.2, 5.0]	100.0
Black (n=153)	14.6	[9.1, 22.7]	57.8	[48.5, 66.6]	4.6	[2.1, 10.1]	11.0	[7.0, 16.9]	10.2	[5.6, 17.8]	1.8	[0.4, 7.8]	100.0
Hispanic (n=38)	10.0	[3.0, 28.7]	53.7	[34.8, 71.7]	18.8	[6.4, 43.8]	16.5	[7.2, 33.8]	0.9	[0.1, 6.5]	0.0		100.0
Arab/Chaldean (n=27)	3.6	[0.8, 14.8]	54.9	[33.9, 74.3]	10.0	[2.3, 34.2]	14.5	[5.0, 35.5]	9.5	[3.0, 25.8]	7.5	[1.1, 37.6]	100.0
Other/more than one (n=36)	13.6	[4.4, 35.0]	57.4	[37.6, 75.1]	6.3	[1.9, 19.1]	22.7	[10.0, 43.7]	0.0		0.0		100.0
Pearson: Uncorrected chi2(20) =	34.4085												
Design-based F(17.93, 13662.91) =	1.0915	Pr =	0.353										
FPL category (DW)													
0-35% (n=586)	10.1	[7.4, 13.6]	58.1	[53.0, 63.0]	7.5	[5.2, 10.7]	12.8	[10.0, 16.2]	8.8	[6.2, 12.3]	2.8	[1.4, 5.4]	100.0
36-99% (n=131)	9.5	[4.7, 18.3]	67.1	[57.1, 75.7]	9.2	[4.7, 17.1]	10.4	[6.2, 16.9]	2.7	[0.9, 7.8]	1.2	[0.3, 5.0]	100.0
100%+ (n=69)	12.7	[6.2, 24.1]	42.6	[30.1, 56.1]	7.7	[3.1, 17.8]	29.3	[18.7, 42.8]	7.7	[3.1, 17.9]	0.0		100.0
Pearson: Uncorrected chi2(10) =	27.4280												
Design-based F(9.62, 7449.32) =	2.1110	Pr =	0.022										
Region (DW)													
UP/NW/NE (n=159)	9.4	[5.4, 16.0]	62.7	[53.8, 70.8]	8.4	[4.4, 15.3]	14.5	[9.4, 21.8]	3.4	[1.5, 7.6]	1.6	[0.3, 7.1]	100.0
W/E Central/E (n=224)	10.9	[7.0, 16.5]	63.6	[56.1, 70.5]	6.2	[3.6, 10.5]	12.3	[8.5, 17.4]	5.2	[2.8, 9.4]	1.9	[0.6, 5.8]	100.0
S Central/SW/SE (n=167)	8.8	[4.7, 15.8]	57.3	[48.1, 66.0]	8.3	[4.2, 15.6]	14.9	[9.9, 21.7]	7.1	[3.8, 12.9]	3.7	[1.2, 10.8]	100.0
Detroit Metro (n=236)	10.7	[6.8, 16.3]	54.1	[46.7, 61.3]	8.4	[5.1, 13.7]	14.3	[10.1, 19.7]	10.6	[6.7, 16.3]	2.0	[0.6, 6.1]	100.0
Pearson: Uncorrected chi2(15) =	13.6564												
Design-based F(13.35, 10331.18) =	0.7440	Pr =	0.724										
Chronic condition (2016, 2017, 2018)													
Yes (n=532)	9.1	[6.5, 12.6]	59.2	[53.9, 64.3]	6.7	[4.5, 10.0]	14.1	[11.1, 17.8]	8.7	[5.9, 12.6]	2.1	[0.9, 4.8]	100.0
No (n=254)	12.1	[7.9, 17.9]	56.4	[49.1, 63.5]	9.5	[6.0, 14.8]	13.4	[9.4, 18.9]	6.1	[3.6, 10.0]	2.5	[1.0, 6.2]	100.0
Pearson: Uncorrected chi2(5) =	5.3950												
Design-based F(4.95, 3831.50) =	0.6947	Pr =	0.626										
MH/SUD (2016, 2017, 2018 or DW)													
Yes (n=519)	9.5	[6.8, 13.1]	58.7	[53.4, 63.8]	8.0	[5.5, 11.5]	14.3	[11.3, 18.0]	8.1	[5.6, 11.7]	1.4	[0.5, 3.6]	100.0
No (n=267)	11.5	[7.5, 17.3]	57.3	[49.9, 64.4]	7.4	[4.3, 12.4]	13.0	[9.0, 18.4]	6.9	[3.9, 12.0]	3.9	[1.7, 8.5]	100.0
Pearson: Uncorrected chi2(5) =	6.5946												
Design-based F(4.96, 3835.28) =	0.8187	Pr =	0.535										
Total (n=786)	10.2	[7.9, 13.2]	58.2	[53.9, 62.4]	7.8	[5.7, 10.5]	13.9	[11.4, 16.8]	7.7	[5.6, 10.4]	2.3	[1.2, 4.2]	100.0

Note: Total n is less than universe N due to item non-response.

6.7 Q: The amount I pay now for my health insurance is affordable.

Follow-up group(s): Not Enrolled

Universe: Respondents who were covered by some kind of health insurance at the time of the survey (N=814)

	Strongly agree		Agree		Amount I pay now for my health insurance is affordable		Disagree		Strongly disagree		Total Row %
	Row %	95% CI	Row %	95% CI	Neutral Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)											
Stayed on (n=436)	11.8	[8.5, 16.2]	65.9	[60.1, 71.2]	6.3	[3.9, 10.2]	10.7	[7.8, 14.5]	5.3	[3.1, 8.8]	100.0
Off for 6+ months (n=288)	7.8	[4.7, 12.7]	55.4	[48.4, 62.2]	6.2	[3.9, 9.9]	21.7	[16.7, 27.7]	8.9	[5.7, 13.5]	100.0
Churned off/on (n=54)	10.5	[3.6, 26.8]	62.0	[44.8, 76.6]	4.9	[1.4, 15.7]	14.2	[6.0, 29.9]	8.4	[2.4, 25.4]	100.0
Pearson: Uncorrected chi2(8) =	23.4389										
Design-based F(7.78, 5962.46) =	1.8498	Pr =	0.065								
Age (DW)											
19-34 (n=223)	10.1	[6.4, 15.6]	62.2	[54.7, 69.1]	6.7	[3.8, 11.7]	13.3	[9.2, 18.9]	7.7	[4.5, 12.9]	100.0
35-50 (n=228)	11.1	[6.8, 17.8]	60.9	[53.1, 68.1]	5.8	[3.2, 10.0]	17.0	[12.1, 23.5]	5.2	[2.6, 10.1]	100.0
51-64 (n=327)	9.2	[6.2, 13.3]	61.3	[54.6, 67.5]	5.9	[3.3, 10.2]	15.9	[11.8, 21.0]	7.8	[4.8, 12.4]	100.0
Pearson: Uncorrected chi2(8) =	3.6752										
Design-based F(7.71, 5909.68) =	0.3226	Pr =	0.954								
Gender (DW)											
Male (n=296)	10.4	[6.7, 15.7]	65.2	[58.5, 71.5]	5.6	[3.3, 9.6]	14.2	[10.2, 19.4]	4.5	[2.3, 8.5]	100.0
Female (n=482)	9.9	[7.2, 13.6]	58.2	[52.7, 63.5]	6.7	[4.4, 10.0]	16.2	[12.7, 20.3]	9.1	[6.3, 12.9]	100.0
Pearson: Uncorrected chi2(4) =	8.2486										
Design-based F(3.98, 3045.61) =	1.3148	Pr =	0.262								
Race/ethnicity, detailed (2016)											
White (n=515)	9.6	[6.8, 13.5]	61.8	[56.5, 66.9]	5.5	[3.5, 8.5]	15.5	[12.2, 19.5]	7.6	[5.1, 11.1]	100.0
Black (n=151)	13.2	[7.9, 21.3]	59.2	[49.7, 68.0]	4.8	[2.2, 10.5]	13.9	[8.8, 21.1]	8.9	[4.8, 15.7]	100.0
Hispanic (n=38)	9.4	[2.6, 28.3]	68.5	[47.9, 83.7]	8.3	[1.4, 36.1]	13.8	[5.4, 30.8]	0.0		100.0
Arab/Chaldean (n=26)	9.4	[2.5, 29.3]	61.0	[39.1, 79.1]	11.5	[3.6, 30.9]	13.2	[3.7, 38.0]	4.9	[0.9, 22.2]	100.0
Other/more than one (n=36)	3.3	[0.8, 13.1]	66.8	[47.1, 82.0]	7.1	[2.1, 21.1]	22.8	[10.1, 43.5]	0.0		100.0
Pearson: Uncorrected chi2(16) =	16.3106										
Design-based F(14.91, 11240.73) =	0.6565	Pr =	0.828								
FPL category (DW)											
0-35% (n=579)	10.1	[7.4, 13.6]	60.9	[55.8, 65.7]	5.6	[3.6, 8.4]	15.4	[12.2, 19.3]	8.1	[5.7, 11.4]	100.0
36-99% (n=130)	9.3	[4.6, 18.1]	69.1	[59.4, 77.4]	8.5	[4.5, 15.3]	9.8	[5.9, 15.9]	3.2	[1.0, 9.7]	100.0
100%+ (n=69)	12.4	[5.7, 24.6]	52.7	[39.4, 65.6]	6.9	[2.5, 17.9]	23.9	[14.6, 36.7]	4.1	[1.2, 12.8]	100.0
Pearson: Uncorrected chi2(8) =	14.6354										
Design-based F(7.81, 5983.44) =	1.3887	Pr =	0.198								
Region (DW)											
UP/NW/NE (n=159)	7.8	[4.1, 14.1]	66.8	[58.1, 74.4]	7.0	[3.5, 13.5]	13.5	[8.7, 20.3]	4.9	[2.5, 9.5]	100.0
W/E Central/E (n=222)	10.9	[7.1, 16.4]	65.7	[58.3, 72.4]	4.1	[2.1, 7.7]	15.1	[10.8, 20.8]	4.2	[2.1, 8.3]	100.0
S Central/SW/SE (n=166)	9.9	[5.5, 17.1]	61.4	[52.3, 69.7]	5.7	[2.6, 11.8]	16.8	[11.5, 23.8]	6.3	[3.1, 12.2]	100.0
Detroit Metro (n=231)	10.4	[6.4, 16.2]	57.5	[50.0, 64.7]	7.6	[4.5, 12.5]	15.0	[10.5, 21.1]	9.5	[5.9, 14.8]	100.0
Pearson: Uncorrected chi2(12) =	11.6807										
Design-based F(10.84, 8301.23) =	0.8459	Pr =	0.592								
Chronic condition (2016, 2017, 2018)											
Yes (n=525)	9.0	[6.4, 12.7]	60.7	[55.3, 65.8]	6.0	[3.8, 9.3]	16.7	[13.2, 20.8]	7.7	[5.2, 11.2]	100.0
No (n=253)	12.0	[7.9, 17.8]	62.9	[55.7, 69.6]	6.4	[3.9, 10.5]	12.9	[8.9, 18.4]	5.7	[3.2, 9.9]	100.0
Pearson: Uncorrected chi2(4) =	4.4762										
Design-based F(3.99, 3053.32) =	0.7480	Pr =	0.559								
MH/SUD (2016, 2017, 2018 or DW)											
Yes (n=515)	9.0	[6.4, 12.5]	61.9	[56.6, 66.8]	6.1	[4.1, 9.1]	16.0	[12.7, 20.0]	7.0	[4.7, 10.3]	100.0
No (n=263)	12.3	[8.0, 18.3]	60.8	[53.4, 67.8]	6.3	[3.5, 11.1]	13.9	[9.5, 19.7]	6.8	[3.8, 11.7]	100.0
Pearson: Uncorrected chi2(4) =	2.5023										
Design-based F(3.99, 3057.97) =	0.4046	Pr =	0.805								
Total (n=778)	10.2	[7.8, 13.2]	61.5	[57.2, 65.6]	6.2	[4.4, 8.6]	15.3	[12.5, 18.4]	6.9	[5.0, 9.5]	100.0

Note: Total n is less than universe N due to item non-response.

6.8 Q: Overall, how does the amount you currently pay for your health care in a typical month compare to what you were paying with your Healthy Michigan Plan insurance?

Follow-up group(s): Not Enrolled

Universe: All respondents (N=986)

	About the same		Less		A little more		A lot more		Don't know		Total Row %
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)											
Stayed on (n=510)	49.6	[44.2, 54.9]	11.4	[8.5, 15.2]	11.7	[8.9, 15.2]	20.0	[16.0, 24.8]	7.3	[4.9, 10.7]	100.0
Off for 6+ months (n=395)	21.1	[16.4, 26.6]	6.6	[4.3, 9.9]	17.7	[13.4, 22.9]	50.6	[44.6, 56.6]	4.1	[2.2, 7.3]	100.0
Churned off/on (n=78)	37.1	[24.7, 51.4]	14.5	[7.1, 27.4]	15.1	[7.8, 26.9]	27.3	[17.4, 40.2]	6.1	[1.7, 19.2]	100.0
Pearson: Uncorrected chi2(8) =	128.9458										
Design-based F(7.76, 7531.38) =	9.5652	Pr =	0.000								
Age (DW)											
19-34 (n=302)	33.2	[27.3, 39.7]	10.5	[7.1, 15.2]	14.7	[10.7, 19.7]	34.5	[28.8, 40.7]	7.2	[4.3, 11.7]	100.0
35-50 (n=296)	37.4	[31.1, 44.3]	8.7	[5.8, 12.9]	11.3	[7.6, 16.4]	36.5	[30.2, 43.4]	6.0	[3.6, 9.8]	100.0
51-64 (n=385)	40.6	[34.6, 46.9]	9.7	[6.7, 13.9]	18.4	[13.9, 24.0]	27.8	[22.5, 33.7]	3.5	[1.8, 6.7]	100.0
Pearson: Uncorrected chi2(8) =	15.2644										
Design-based F(7.78, 7550.98) =	1.3651	Pr =	0.208								
Gender (DW)											
Male (n=383)	42.3	[36.5, 48.3]	8.8	[6.0, 12.7]	15.7	[11.8, 20.5]	27.7	[22.8, 33.3]	5.6	[3.3, 9.2]	100.0
Female (n=600)	31.2	[26.9, 35.8]	10.6	[8.0, 13.9]	13.4	[10.5, 16.9]	38.7	[34.0, 43.6]	6.0	[4.0, 9.1]	100.0
Pearson: Uncorrected chi2(4) =	18.9323										
Design-based F(3.99, 3873.26) =	3.1002	Pr =	0.015								
Race/ethnicity, detailed (2016)											
White (n=632)	34.1	[29.6, 38.9]	9.9	[7.4, 13.2]	15.2	[12.2, 18.8]	36.1	[31.6, 40.9]	4.7	[3.1, 7.1]	100.0
Black (n=203)	42.8	[35.0, 51.1]	8.2	[5.0, 13.1]	14.2	[9.2, 21.2]	28.8	[22.1, 36.5]	6.0	[3.1, 11.2]	100.0
Hispanic (n=45)	42.1	[26.6, 59.3]	6.5	[2.0, 18.6]	14.0	[5.7, 30.7]	26.6	[14.2, 44.4]	10.8	[2.8, 33.8]	100.0
Arab /Chaldean (n=35)	30.2	[16.3, 49.0]	18.8	[8.3, 37.3]	15.9	[5.3, 39.3]	35.0	[19.9, 53.9]	0.0		100.0
Other /more than one (n=53)	27.3	[15.6, 43.2]	9.8	[3.1, 27.2]	11.9	[5.2, 25.0]	35.8	[21.6, 53.2]	15.2	[6.1, 33.0]	100.0
Pearson: Uncorrected chi2(16) =	30.4293										
Design-based F(15.16, 14495.29) =	1.1324	Pr =	0.319								
FPL category (DW)											
0-35% (n=711)	37.6	[33.2, 42.2]	9.1	[6.9, 12.0]	14.2	[11.3, 17.6]	33.6	[29.4, 38.0]	5.6	[3.8, 8.1]	100.0
36-99% (n=173)	40.5	[32.2, 49.4]	10.8	[6.2, 17.9]	15.9	[10.5, 23.4]	28.0	[21.1, 36.0]	4.8	[1.9, 11.6]	100.0
100%+ (n=99)	21.7	[14.1, 31.9]	12.6	[7.0, 21.4]	14.6	[7.9, 25.3]	41.9	[31.4, 53.1]	9.3	[3.8, 20.8]	100.0
Pearson: Uncorrected chi2(8) =	14.2803										
Design-based F(7.80, 7569.57) =	1.2407	Pr =	0.272								
Region (DW)											
UP/NW/NE (n=191)	34.1	[26.9, 42.3]	6.2	[3.6, 10.7]	15.6	[10.6, 22.5]	37.2	[29.7, 45.4]	6.8	[3.2, 13.8]	100.0
W/E Central/E (n=282)	36.4	[30.0, 43.3]	11.1	[7.5, 16.3]	13.5	[9.5, 18.8]	33.6	[27.4, 40.4]	5.4	[2.9, 9.8]	100.0
S Central/SW/SE (n=206)	35.4	[28.0, 43.5]	6.7	[3.6, 12.1]	16.4	[11.1, 23.5]	32.5	[25.3, 40.7]	9.0	[5.0, 15.9]	100.0
Detroit Metro (n=304)	37.6	[31.5, 44.1]	10.9	[7.7, 15.3]	14.0	[10.1, 19.1]	32.9	[27.2, 39.3]	4.5	[2.4, 8.2]	100.0
Pearson: Uncorrected chi2(12) =	10.5546										
Design-based F(10.98, 10661.85) =	0.6994	Pr =	0.740								
Chronic condition (2016, 2017, 2018)											
Yes (n=643)	37.7	[33.1, 42.5]	9.5	[7.1, 12.6]	12.6	[9.9, 16.0]	34.9	[30.5, 39.7]	5.3	[3.6, 7.8]	100.0
No (n=340)	34.8	[29.0, 41.0]	10.1	[7.0, 14.4]	17.3	[13.0, 22.7]	31.2	[25.7, 37.3]	6.6	[3.9, 11.1]	100.0
Pearson: Uncorrected chi2(4) =	5.8815										
Design-based F(3.99, 3869.52) =	0.9491	Pr =	0.434								
MH/SUD (2016, 2017, 2018 or DW)											
Yes (n=632)	36.9	[32.4, 41.7]	10.4	[7.8, 13.7]	12.5	[9.8, 15.8]	34.5	[30.1, 39.1]	5.7	[3.8, 8.5]	100.0
No (n=351)	35.9	[29.9, 42.2]	8.7	[5.9, 12.7]	17.7	[13.2, 23.2]	31.8	[26.2, 38.0]	6.0	[3.5, 10.1]	100.0
Pearson: Uncorrected chi2(4) =	5.5524										
Design-based F(3.98, 3867.78) =	0.9009	Pr =	0.462								
Total (n=983)	36.5	[32.9, 40.3]	9.7	[7.7, 12.2]	14.5	[12.0, 17.4]	33.4	[29.9, 37.1]	5.8	[4.2, 8.0]	100.0

Note: Total n is less than universe N due to item non-response.

6.9 Q: Since your Healthy Michigan Plan insurance ended/in the past 12 months, have you had problems paying medical bills?

Follow-up group(s): Not Enrolled

Universe: All respondents (N=986)

	Problems paying medical bills since HMP coverage ended/in the past 12 months				Total Row %
	Yes		No		
	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)					
Stayed on (n=510)	17.5	[13.8, 22.0]	82.5	[78.0, 86.2]	100.0
Off for 6+ months (n=393)	32.6	[27.3, 38.4]	67.4	[61.6, 72.7]	100.0
Churned off/on (n=78)	40.4	[28.0, 54.2]	59.6	[45.8, 72.0]	100.0
Pearson: Uncorrected chi2(2) =	37.2732				
Design-based F(1.98, 1918.67) =	11.4364	Pr =	0.000		
Age (DW)					
19-34 (n=302)	23.1	[18.1, 29.0]	76.9	[71.0, 81.9]	100.0
35-50 (n=295)	28.0	[22.3, 34.5]	72.0	[65.5, 77.7]	100.0
51-64 (n=384)	28.1	[22.7, 34.1]	71.9	[65.9, 77.3]	100.0
Pearson: Uncorrected chi2(2) =	2.9425				
Design-based F(1.95, 1893.16) =	1.0265	Pr =	0.357		
Gender (DW)					
Male (n=382)	20.8	[16.3, 26.1]	79.2	[73.9, 83.7]	100.0
Female (n=599)	30.8	[26.5, 35.6]	69.2	[64.4, 73.5]	100.0
Pearson: Uncorrected chi2(1) =	12.8050				
Design-based F(1.00, 969.00) =	8.1177	Pr =	0.004		
Race/ethnicity, detailed (2016)					
White (n=631)	25.4	[21.5, 29.8]	74.6	[70.2, 78.5]	100.0
Black (n=203)	30.7	[23.7, 38.7]	69.3	[61.3, 76.3]	100.0
Hispanic (n=45)	18.1	[8.0, 36.1]	81.9	[63.9, 92.0]	100.0
Arab/Chaldean (n=35)	13.4	[4.7, 32.6]	86.6	[67.4, 95.3]	100.0
Other/more than one (n=52)	30.0	[16.8, 47.8]	70.0	[52.2, 83.2]	100.0
Pearson: Uncorrected chi2(4) =	9.0456				
Design-based F(3.99, 3801.85) =	1.3059	Pr =	0.265		
FPL category (DW)					
0-35% (n=710)	26.3	[22.5, 30.6]	73.7	[69.4, 77.5]	100.0
36-99% (n=172)	21.2	[15.1, 29.1]	78.8	[70.9, 84.9]	100.0
100%+ (n=99)	31.8	[22.4, 43.0]	68.2	[57.0, 77.6]	100.0
Pearson: Uncorrected chi2(2) =	3.6789				
Design-based F(2.00, 1936.31) =	1.4128	Pr =	0.244		
Region (DW)					
UP/NW/NE (n=190)	17.1	[11.7, 24.3]	82.9	[75.7, 88.3]	100.0
W/E Central/E (n=281)	26.1	[20.6, 32.4]	73.9	[67.6, 79.4]	100.0
S Central/SW/SE (n=206)	29.4	[22.7, 37.1]	70.6	[62.9, 77.3]	100.0
Detroit Metro (n=304)	26.5	[21.1, 32.6]	73.5	[67.4, 78.9]	100.0
Pearson: Uncorrected chi2(3) =	5.0922				
Design-based F(2.76, 2676.29) =	1.4214	Pr =	0.237		
Chronic condition (2016, 2017, 2018)					
Yes (n=642)	29.8	[25.6, 34.4]	70.2	[65.6, 74.4]	100.0
No (n=339)	20.3	[15.6, 25.9]	79.7	[74.1, 84.4]	100.0
Pearson: Uncorrected chi2(1) =	11.0632				
Design-based F(1.00, 969.00) =	7.0395	Pr =	0.008		
MH/SUD (2016, 2017, 2018 or DW)					
Yes (n=631)	29.4	[25.3, 33.9]	70.6	[66.1, 74.7]	100.0
No (n=350)	20.6	[15.8, 26.4]	79.4	[73.6, 84.2]	100.0
Pearson: Uncorrected chi2(1) =	9.4620				
Design-based F(1.00, 969.00) =	5.8990	Pr =	0.015		
Total (n=981)	26.0	[22.8, 29.5]	74.0	[70.5, 77.2]	100.0

Note: Total n is less than universe N due to item non-response.

6.9.1 Q: Since your Healthy Michigan insurance ended, have your problems paying medical bills gotten worse, stayed the same, or gotten better?

Follow-up group(s): Not Enrolled

Universe: Respondents who had problems paying medical bills since their HMP coverage ended/in the past 12 months (N=259)

	Change in problems paying medical bills since HMP coverage ended						Total Row %
	Gotten worse		Stayed the same		Gotten better		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	
HMP/Medicaid enrollment pattern (DW)							
Stayed on (n=90)	68.2	[54.7, 79.2]	23.0	[13.7, 36.0]	8.8	[3.7, 19.7]	100.0
Off for 6+ months (n=131)	78.1	[67.0, 86.2]	20.9	[12.8, 32.0]	1.1	[0.2, 5.1]	100.0
Churned off/on (n=37)	66.4	[44.3, 83.1]	19.6	[7.7, 41.6]	14.0	[4.2, 37.5]	100.0
Pearson: Uncorrected chi2(4) =	12.6301						
Design-based F(3.82, 939.15) =	1.9361	Pr =	0.106				
Age (DW)							
19-34 (n=69)	69.5	[55.0, 80.9]	22.1	[12.5, 36.0]	8.5	[3.0, 21.5]	100.0
35-50 (n=85)	77.1	[63.5, 86.7]	21.9	[12.4, 35.6]	1.0	[0.2, 4.1]	100.0
51-64 (n=104)	72.6	[59.2, 82.9]	19.8	[10.8, 33.4]	7.6	[3.2, 16.9]	100.0
Pearson: Uncorrected chi2(4) =	5.8920						
Design-based F(3.51, 864.17) =	1.0204	Pr =	0.390				
Gender (DW)							
Male (n=79)	63.5	[49.3, 75.6]	29.9	[18.7, 44.2]	6.6	[2.2, 17.8]	100.0
Female (n=179)	79.1	[70.5, 85.7]	16.0	[10.3, 24.2]	4.9	[2.1, 10.8]	100.0
Pearson: Uncorrected chi2(2) =	7.8742						
Design-based F(2.00, 490.98) =	2.2309	Pr =	0.109				
Race/ethnicity, detailed (2016)							
White (n=164)	80.9	[72.1, 87.5]	13.6	[8.2, 21.7]	5.5	[2.4, 12.2]	100.0
Black (n=63)	65.3	[49.8, 78.2]	27.0	[15.7, 42.4]	7.7	[2.5, 21.1]	100.0
Hispanic (n=7)	61.6	[19.4, 91.5]	38.4	[8.5, 80.6]	0.0		100.0
Arab/Chaldean (n=5)	58.1	[12.4, 93.1]	41.9	[6.9, 87.6]	0.0		100.0
Other/more than one (n=15)	58.4	[26.4, 84.6]	39.2	[13.6, 72.4]	2.4	[0.3, 16.5]	100.0
Pearson: Uncorrected chi2(8) =	14.9117						
Design-based F(6.96, 1685.02) =	1.0918	Pr =	0.366				
FPL category (DW)							
0-35% (n=188)	69.4	[59.9, 77.5]	23.5	[16.4, 32.6]	7.1	[3.6, 13.7]	100.0
36-99% (n=37)	75.7	[55.4, 88.6]	23.5	[10.7, 44.1]	0.8	[0.1, 6.0]	100.0
100%+ (n=33)	92.8	[70.2, 98.6]	5.9	[0.8, 31.8]	1.3	[0.2, 9.2]	100.0
Pearson: Uncorrected chi2(4) =	9.3453						
Design-based F(2.89, 711.81) =	2.2289	Pr =	0.086				
Region (DW)							
UP/NW/NE (n=34)	85.1	[64.0, 94.8]	8.1	[2.8, 21.6]	6.8	[0.9, 35.8]	100.0
W/E Central/E (n=77)	73.0	[58.3, 83.9]	17.4	[9.5, 29.8]	9.6	[3.0, 26.5]	100.0
S Central/SW/SE (n=63)	75.1	[60.0, 85.9]	16.2	[7.5, 31.6]	8.7	[3.5, 20.1]	100.0
Detroit Metro (n=84)	70.4	[57.4, 80.8]	28.2	[18.1, 41.2]	1.4	[0.3, 5.5]	100.0
Pearson: Uncorrected chi2(6) =	12.3419						
Design-based F(5.26, 1292.94) =	1.7170	Pr =	0.124				
Chronic condition (2016, 2017, 2018)							
Yes (n=189)	74.9	[66.1, 82.1]	19.3	[13.0, 27.7]	5.8	[2.7, 12.0]	100.0
No (n=69)	69.0	[53.3, 81.2]	26.0	[14.7, 41.8]	5.1	[1.4, 16.8]	100.0
Pearson: Uncorrected chi2(2) =	1.4793						
Design-based F(1.99, 489.20) =	0.4019	Pr =	0.668				
MH/SUD (2016, 2017, 2018 or DW)							
Yes (n=191)	77.2	[68.6, 84.0]	17.3	[11.3, 25.6]	5.5	[2.6, 11.2]	100.0
No (n=67)	63.7	[48.4, 76.6]	30.6	[18.7, 46.0]	5.7	[1.4, 20.2]	100.0
Pearson: Uncorrected chi2(2) =	5.9373						
Design-based F(1.99, 490.02) =	1.5430	Pr =	0.215				
Total (n=258)	73.1	[65.5, 79.5]	21.4	[15.6, 28.6]	5.5	[2.9, 10.5]	100.0

Note: Total n is less than universe N due to item non-response.

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Appendix B: Additional Analyses

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Demographics

0.1 Demographic characteristics among subgroups

0.1.1 Demographic characteristics, among respondents with and without a chronic condition

	Chronic condition (N=1,735)			No chronic condition (N=870)		
	Col %	95% CI	N	Col %	95% CI	N
HMP/Medicaid enrollment pattern (DW)						
Stayed on	76.6	[74.0, 79.1]	1,374	70.3	[66.4, 73.9]	628
Off for 6+ months	14.3	[12.4, 16.5]	236	18.9	[16.0, 22.2]	162
Churned off/on	9.0	[7.3, 11.1]	125	10.8	[8.4, 13.8]	77
FPL category (DW)						
0-35%	65.1	[62.4, 67.7]	1,068	56.6	[52.7, 60.4]	441
36-99%	21.3	[19.1, 23.6]	398	25.1	[21.9, 28.6]	248
100%+	13.6	[11.9, 15.6]	269	18.3	[15.5, 21.4]	178
Region (DW)						
UP/NW/NE	9.3	[8.5, 10.2]	332	8.4	[7.2, 9.9]	155
W/E Central/E	30.2	[28.5, 32.1]	571	26.0	[23.2, 29.0]	250
S Central/SW/SE	18.5	[17.0, 20.1]	358	18.7	[16.2, 21.4]	168
Detroit Metro	41.9	[39.8, 44.0]	474	46.9	[43.5, 50.3]	294
Age (DW)						
19-34	30.6	[27.8, 33.6]	350	53.7	[49.7, 57.6]	383
35-50	36.0	[33.1, 38.9]	531	32.1	[28.5, 35.9]	279
51-64	33.4	[30.9, 36.0]	854	14.2	[12.0, 16.7]	205
Gender (DW)						
Male	48.9	[45.9, 51.8]	657	47.8	[43.8, 51.8]	343
Female	51.1	[48.2, 54.1]	1,078	52.2	[48.2, 56.2]	524
Race/ethnicity (2016)						
White, non-Hispanic	59.2	[56.3, 62.0]	1,171	58.3	[54.2, 62.2]	570
Black, non-Hispanic	28.9	[26.3, 31.7]	371	23.4	[20.1, 27.1]	165
Hispanic	3.8	[2.8, 5.1]	65	5.7	[4.1, 7.9]	42
Other, non-Hispanic	8.1	[6.5, 10.0]	107	12.6	[10.0, 15.9]	78
Race (2016)						
White	60.5	[57.6, 63.3]	1,194	59.7	[55.6, 63.6]	583
Black or African American	29.0	[26.4, 31.8]	372	23.8	[20.4, 27.5]	167
Other	6.8	[5.4, 8.6]	95	11.4	[8.8, 14.5]	70
More than one	3.7	[2.6, 5.2]	52	5.2	[3.6, 7.5]	35
Race/ethnicity, detailed (2016)						
White	57.6	[54.8, 60.5]	1,152	55.5	[51.4, 59.4]	543
Black	28.8	[26.1, 31.6]	369	23.4	[20.1, 27.1]	165
Hispanic	3.8	[2.8, 5.1]	63	5.7	[4.1, 7.9]	42
Arab/Chaldean	4.3	[3.1, 6.0]	46	8.7	[6.6, 11.4]	60
Other/more than one	5.5	[4.2, 7.1]	84	6.7	[4.8, 9.3]	45
Hispanic/Latino (2016)						
Yes	3.8	[2.8, 5.1]	65	5.7	[4.1, 7.9]	42
No	96.2	[94.9, 97.2]	1,650	94.3	[92.1, 95.9]	817
Arab/Chaldean/Middle Eastern (2016)						
Yes	4.4	[3.2, 6.0]	48	8.7	[6.6, 11.4]	60
No	95.6	[94.0, 96.8]	1,666	91.3	[88.6, 93.4]	799
Survey language (2018)						
English	98.8	[98.0, 99.3]	1,716	97.7	[95.9, 98.7]	852
Arabic	0.9	[0.5, 1.8]	12	2.0	[1.1, 3.7]	11
Spanish	0.2	[0.1, 0.6]	6	0.3	[0.1, 1.0]	3
Marital status (2018)						
Married	21.4	[19.3, 23.7]	444	23.0	[20.0, 26.4]	231
Divorced	22.2	[20.0, 24.7]	455	13.9	[11.5, 16.6]	156
Widowed	3.7	[2.8, 4.8]	91	1.2	[0.7, 1.9]	21
Separated	3.5	[2.6, 4.7]	62	2.0	[1.2, 3.3]	22
Partnered	2.8	[2.0, 3.9]	51	5.7	[4.0, 8.0]	41
Never married	46.3	[43.4, 49.3]	623	54.2	[50.2, 58.1]	394
Veteran (2016)						
Yes	4.0	[2.9, 5.5]	61	3.5	[2.3, 5.5]	27
No	96.0	[94.5, 97.1]	1,672	96.5	[94.5, 97.7]	837

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Health status (2018)						
Excellent	6.3	[4.9, 8.1]	89	15.7	[13.0, 18.9]	136
Very good	20.2	[18.0, 22.7]	361	37.7	[33.9, 41.7]	330
Good	39.2	[36.3, 42.1]	683	34.7	[31.0, 38.6]	309
Fair	25.7	[23.2, 28.4]	454	9.5	[7.3, 12.3]	75
Poor	8.5	[7.0, 10.3]	146	2.3	[1.3, 4.1]	16
MH/SUD (2016, 2017, 2018 or DW)						
Yes	70.0	[67.2, 72.7]	1,213	52.9	[48.9, 56.9]	472
No	30.0	[27.3, 32.8]	522	47.1	[43.1, 51.1]	395
Number of places lived in past 3 years (2018)						
One	70.3	[67.4, 73.0]	1,289	68.1	[64.2, 71.8]	607
Two	20.0	[17.6, 22.5]	299	22.2	[19.0, 25.8]	178
Three	5.0	[3.8, 6.5]	76	6.7	[4.9, 8.9]	53
Four or more	4.7	[3.5, 6.3]	60	3.0	[1.8, 4.8]	25
Homeless in last 12 months (2018)						
Yes	6.5	[5.1, 8.2]	89	4.1	[2.7, 6.1]	30
No	93.5	[91.8, 94.9]	1,641	95.9	[93.9, 97.3]	836
Need help reading written materials (2016)						
Never/Rarely	81.3	[78.8, 83.6]	1,452	89.9	[87.2, 92.1]	783
Sometimes/Often/Always	18.7	[16.4, 21.2]	281	10.1	[7.9, 12.8]	83
Highest level of education (2017)						
Less than high school	12.2	[10.5, 14.3]	212	8.2	[6.2, 10.6]	66
High school graduate (or equiv.)	40.9	[38.0, 43.8]	723	38.3	[34.5, 42.3]	335
Some college	23.2	[20.7, 25.9]	370	23.3	[20.1, 26.9]	194
Associate's degree	12.3	[10.5, 14.3]	215	14.2	[11.6, 17.3]	123
Bachelor's degree	9.3	[7.7, 11.2]	162	12.3	[10.0, 15.1]	115
Post graduate degree	2.1	[1.5, 3.0]	47	3.7	[2.4, 5.5]	34
In school (2018)						
Yes	6.0	[4.6, 7.8]	70	14.3	[11.6, 17.6]	95
No	94.0	[92.2, 95.4]	1,665	85.7	[82.4, 88.4]	772
Employed/self-employed (2018)						
Yes	51.6	[48.6, 54.5]	859	69.6	[65.7, 73.2]	609
No	48.4	[45.5, 51.4]	875	30.4	[26.8, 34.3]	258
Employment status, detailed (2018)						
Full-time employment	22.3	[19.9, 24.9]	350	35.1	[31.3, 39.0]	286
Part-time employment	27.7	[25.2, 30.4]	487	32.5	[28.9, 36.3]	305
Out of work	16.0	[13.8, 18.4]	229	15.2	[12.4, 18.5]	113
Unable to work	24.2	[21.9, 26.8]	447	9.3	[7.1, 12.0]	78
Retired	6.3	[5.3, 7.6]	175	2.4	[1.6, 3.4]	39
Don't know	3.4	[2.4, 4.8]	47	5.5	[3.9, 7.6]	46

0.1.2 Demographic characteristics, among respondents with and without a mental health condition/substance use disorder

	Mental health condition/ substance use disorder (N=1,685)			No mental health condition/ substance use disorder (N=917)		
	Col %	95% CI	N	Col %	95% CI	N
HMP/Medicaid enrollment pattern (DW)						
Stayed on	77.7	[75.1, 80.1]	1,335	68.1	[64.1, 71.8]	667
Off for 6+ months	12.6	[10.9, 14.6]	221	22.1	[18.9, 25.7]	177
Churned off/on	9.7	[7.9, 11.8]	129	9.8	[7.5, 12.8]	73
FPL category (DW)						
0-35%	64.9	[62.2, 67.5]	1,027	56.6	[52.7, 60.4]	482
36-99%	21.6	[19.4, 24.0]	395	24.8	[21.6, 28.3]	251
100%+	13.6	[11.8, 15.6]	263	18.6	[15.9, 21.7]	184
Region (DW)						
UP/NW/NE	9.6	[8.8, 10.5]	327	7.8	[6.7, 9.2]	160
W/E Central/E	30.8	[29.0, 32.6]	556	24.8	[22.1, 27.7]	265
S Central/SW/SE	19.5	[18.0, 21.1]	362	17.0	[14.6, 19.7]	164
Detroit Metro	40.1	[38.0, 42.2]	440	50.4	[47.0, 53.8]	328
Age (DW)						
19-34	38.7	[35.8, 41.8]	468	40.8	[36.8, 44.9]	265
35-50	36.4	[33.6, 39.3]	562	31.2	[27.6, 35.2]	248
51-64	24.9	[22.7, 27.2]	655	27.9	[24.9, 31.2]	404
Gender (DW)						
Male	46.5	[43.5, 49.4]	630	51.9	[48.0, 55.9]	370
Female	53.5	[50.6, 56.5]	1,055	48.1	[44.1, 52.0]	547
Race/ethnicity (2016)						
White, non-Hispanic	64.1	[61.3, 66.9]	1,185	49.6	[45.7, 53.6]	556
Black, non-Hispanic	22.8	[20.3, 25.4]	294	33.8	[30.0, 37.8]	242
Hispanic	4.0	[3.0, 5.3]	64	5.5	[3.9, 7.7]	43
Other, non-Hispanic	9.1	[7.4, 11.2]	120	11.1	[8.5, 14.2]	65
Race (2016)						
White	65.4	[62.5, 68.1]	1,209	51.1	[47.2, 55.1]	568
Black or African American	23.0	[20.5, 25.6]	296	33.9	[30.1, 37.9]	243
Other	6.8	[5.3, 8.6]	91	11.6	[9.1, 14.8]	74
More than one	4.9	[3.6, 6.5]	66	3.3	[2.0, 5.3]	21
Race/ethnicity, detailed (2016)						
White	62.8	[59.9, 65.6]	1,163	46.4	[42.6, 50.3]	532
Black	22.8	[20.3, 25.4]	294	33.5	[29.7, 37.5]	240
Hispanic	3.9	[2.9, 5.3]	62	5.5	[3.9, 7.7]	43
Arab/Chaldean	4.1	[3.0, 5.7]	47	9.4	[7.1, 12.2]	59
Other/more than one	6.4	[5.0, 8.1]	97	5.2	[3.5, 7.7]	32
Hispanic/Latino (2016)						
Yes	4.0	[3.0, 5.3]	64	5.5	[3.9, 7.7]	43
No	96.0	[94.7, 97.0]	1,601	94.5	[92.3, 96.1]	866
Arab/Chaldean/Middle Eastern (2016)						
Yes	4.1	[3.0, 5.7]	49	9.4	[7.1, 12.2]	59
No	95.9	[94.3, 97.0]	1,616	90.6	[87.8, 92.9]	849
Survey language (2018)						
English	99.0	[98.3, 99.5]	1,670	97.2	[95.3, 98.4]	898
Arabic	0.8	[0.4, 1.5]	11	2.4	[1.3, 4.3]	12
Spanish	0.2	[0.1, 0.6]	3	0.4	[0.2, 1.0]	6
Marital status (2018)						
Married	18.7	[16.7, 20.9]	394	27.8	[24.5, 31.4]	281
Divorced	20.7	[18.5, 23.1]	425	16.1	[13.6, 19.1]	186
Widowed	2.5	[1.8, 3.4]	66	3.1	[2.2, 4.4]	46
Separated	3.4	[2.6, 4.6]	65	2.0	[1.2, 3.5]	19
Partnered	4.4	[3.3, 5.8]	67	3.1	[1.9, 5.0]	25
Never married	50.2	[47.3, 53.2]	661	47.8	[43.8, 51.9]	356
Veteran (2016)						
Yes	3.9	[2.9, 5.3]	61	3.7	[2.4, 5.8]	27
No	96.1	[94.7, 97.1]	1,621	96.3	[94.2, 97.6]	888

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Health status (2018)						
Excellent	7.6	[6.1, 9.4]	105	14.0	[11.4, 17.1]	120
Very good	21.5	[19.2, 24.0]	368	36.4	[32.6, 40.3]	323
Good	37.8	[34.9, 40.7]	651	37.0	[33.1, 40.9]	341
Fair	24.6	[22.1, 27.2]	419	10.7	[8.5, 13.3]	110
Poor	8.5	[7.0, 10.4]	140	2.0	[1.2, 3.4]	22
Chronic condition (2016, 2017, 2018)						
Yes	68.0	[65.1, 70.7]	1,213	50.5	[46.5, 54.5]	522
No	32.0	[29.3, 34.9]	472	49.5	[45.5, 53.5]	395
Number of places lived in past 3 years (2018)						
One	67.1	[64.2, 69.9]	1,185	73.5	[69.6, 77.0]	711
Two	22.0	[19.6, 24.6]	330	18.8	[15.8, 22.3]	147
Three	6.1	[4.8, 7.6]	94	4.9	[3.4, 7.2]	35
Four or more	4.8	[3.6, 6.4]	67	2.8	[1.7, 4.7]	18
Homeless in last 12 months (2018)						
Yes	7.3	[5.8, 9.2]	98	2.5	[1.5, 4.1]	21
No	92.7	[90.8, 94.2]	1,582	97.5	[95.9, 98.5]	895
Need help reading written materials (2016)						
Never/Rarely	81.5	[79.1, 83.8]	1,396	90.0	[87.2, 92.2]	839
Sometimes/Often/Always	18.5	[16.2, 20.9]	286	10.0	[7.8, 12.8]	78
Highest level of education (2017)						
Less than high school	11.8	[10.1, 13.7]	203	8.7	[6.7, 11.4]	75
High school graduate (or equiv.)	40.1	[37.2, 43.1]	683	39.5	[35.6, 43.5]	375
Some college	23.7	[21.2, 26.3]	379	22.4	[19.1, 26.1]	185
Associate's degree	13.2	[11.3, 15.4]	219	12.7	[10.3, 15.6]	119
Bachelor's degree	9.5	[7.9, 11.4]	160	12.1	[9.8, 14.9]	117
Post graduate degree	1.7	[1.2, 2.5]	38	4.5	[3.1, 6.5]	43
In school (2018)						
Yes	7.8	[6.2, 9.8]	92	11.6	[9.0, 14.7]	73
No	92.2	[90.2, 93.8]	1,593	88.4	[85.3, 91.0]	844
Employed/self-employed (2018)						
Yes	52.8	[49.9, 55.7]	877	68.4	[64.6, 71.9]	591
No	47.2	[44.3, 50.1]	807	31.6	[28.1, 35.4]	326
Employment status, detailed (2018)						
Full-time employment	23.1	[20.7, 25.7]	364	34.4	[30.6, 38.4]	272
Part-time employment	28.7	[26.1, 31.4]	496	31.1	[27.5, 34.8]	296
Out of work	15.8	[13.7, 18.3]	219	15.4	[12.6, 18.7]	123
Unable to work	25.0	[22.5, 27.6]	444	7.3	[5.6, 9.5]	81
Retired	4.0	[3.2, 5.1]	114	6.1	[4.8, 7.8]	100
Don't know	3.4	[2.4, 4.7]	48	5.7	[4.0, 8.0]	45

0.1.3 Demographic characteristics, among respondents who were employed/self-employed and not employed/self-employed in 2018

	Employed/self-employed in 2018 (N=1,468)			Not employed/self-employed in 2018 (N=1,133)		
	Col %	95% CI	N	Col %	95% CI	N
HMP/Medicaid enrollment pattern (DW)						
Stayed on	66.4	[63.3, 69.4]	1,023	85.2	[82.2, 87.7]	979
Off for 6+ months	23.1	[20.6, 25.9]	321	6.1	[4.6, 8.0]	76
Churned off/on	10.4	[8.5, 12.7]	124	8.7	[6.7, 11.4]	78
FPL category (DW)						
0-35%	50.9	[47.8, 53.9]	669	77.3	[74.2, 80.1]	839
36-99%	28.0	[25.4, 30.8]	451	15.3	[13.0, 18.1]	195
100%+	21.1	[18.8, 23.6]	348	7.4	[5.8, 9.4]	99
Region (DW)						
UP/NW/NE	9.3	[8.3, 10.3]	275	8.5	[7.5, 9.7]	212
W/E Central/E	28.2	[26.2, 30.3]	446	29.2	[26.8, 31.7]	375
S Central/SW/SE	19.5	[17.7, 21.4]	297	17.4	[15.5, 19.5]	229
Detroit Metro	43.0	[40.6, 45.5]	450	44.9	[42.1, 47.8]	317
Age (DW)						
19-34	47.7	[44.6, 50.9]	541	27.8	[24.4, 31.6]	191
35-50	34.4	[31.5, 37.4]	494	34.7	[31.2, 38.4]	316
51-64	17.9	[15.9, 20.0]	433	37.5	[34.2, 40.8]	626
Gender (DW)						
Male	48.1	[45.0, 51.3]	559	49.0	[45.3, 52.7]	441
Female	51.9	[48.7, 55.0]	909	51.0	[47.3, 54.7]	692
Race/ethnicity (2016)						
White, non-Hispanic	58.2	[55.1, 61.3]	976	59.6	[56.0, 63.2]	764
Black, non-Hispanic	26.4	[23.6, 29.3]	314	27.4	[24.2, 30.9]	222
Hispanic	5.0	[3.8, 6.7]	62	3.8	[2.7, 5.4]	45
Other, non-Hispanic	10.3	[8.4, 12.7]	105	9.1	[7.0, 11.8]	80
Race (2016)						
White	59.7	[56.6, 62.7]	998	60.8	[57.1, 64.3]	778
Black or African American	26.7	[24.0, 29.6]	317	27.4	[24.2, 31.0]	222
Other	8.7	[6.9, 10.9]	90	8.4	[6.4, 10.9]	75
More than one	4.9	[3.6, 6.6]	52	3.4	[2.2, 5.2]	35
Race/ethnicity, detailed (2016)						
White	55.9	[52.9, 59.0]	947	58.0	[54.3, 61.6]	747
Black	26.2	[23.5, 29.2]	312	27.4	[24.2, 30.9]	222
Hispanic	5.0	[3.8, 6.7]	62	3.8	[2.6, 5.4]	43
Arab/Chaldean	6.6	[5.1, 8.5]	68	5.2	[3.6, 7.4]	38
Other/more than one	6.2	[4.7, 8.1]	68	5.6	[4.1, 7.7]	61
Hispanic/Latino (2016)						
Yes	5.0	[3.8, 6.7]	62	3.8	[2.7, 5.4]	45
No	95.0	[93.3, 96.2]	1,394	96.2	[94.6, 97.3]	1,072
Arab/Chaldean/Middle Eastern (2016)						
Yes	6.6	[5.1, 8.6]	68	5.2	[3.7, 7.4]	40
No	93.4	[91.4, 94.9]	1,386	94.8	[92.6, 96.3]	1,078
Survey language (2018)						
English	98.6	[97.5, 99.2]	1,452	98.1	[96.7, 98.9]	1,115
Arabic	1.2	[0.6, 2.2]	12	1.6	[0.9, 3.0]	11
Spanish	0.2	[0.1, 0.7]	4	0.3	[0.1, 0.8]	5
Marital status (2018)						
Married	21.6	[19.3, 24.1]	358	22.7	[20.0, 25.7]	317
Divorced	17.6	[15.5, 20.0]	322	21.0	[18.3, 24.0]	289
Widowed	2.5	[1.8, 3.5]	53	3.0	[2.2, 4.1]	59
Separated	2.1	[1.4, 3.1]	34	4.1	[2.9, 5.8]	50
Partnered	4.7	[3.5, 6.3]	59	2.9	[1.9, 4.3]	33
Never married	51.6	[48.5, 54.7]	636	46.2	[42.5, 49.9]	380
Veteran (2016)						
Yes	3.6	[2.5, 5.1]	41	4.2	[3.0, 6.0]	47
No	96.4	[94.9, 97.5]	1,424	95.8	[94.0, 97.0]	1,084

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Health status (2018)						
Excellent	12.1	[10.2, 14.4]	164	6.9	[5.1, 9.2]	61
Very good	30.7	[27.9, 33.7]	464	21.5	[18.6, 24.8]	226
Good	40.5	[37.4, 43.6]	598	33.2	[29.9, 36.8]	394
Fair	14.4	[12.3, 16.8]	212	26.7	[23.6, 30.0]	317
Poor	2.2	[1.4, 3.4]	29	11.7	[9.5, 14.3]	133
Chronic condition (2016, 2017, 2018)						
Yes	54.3	[51.1, 57.4]	859	71.8	[68.2, 75.2]	875
No	45.7	[42.6, 48.9]	609	28.2	[24.8, 31.8]	258
MH/SUD (2016, 2017, 2018 or DW)						
Yes	57.3	[54.1, 60.4]	877	72.2	[68.7, 75.3]	807
No	42.7	[39.6, 45.9]	591	27.8	[24.7, 31.3]	326
Number of places lived in past 3 years (2018)						
One	68.8	[65.7, 71.7]	1,069	70.3	[66.8, 73.6]	826
Two	23.3	[20.7, 26.2]	290	17.4	[14.8, 20.3]	187
Three	4.4	[3.3, 5.9]	62	7.4	[5.6, 9.6]	67
Four or more	3.4	[2.4, 4.9]	41	4.9	[3.5, 7.0]	44
Homeless in last 12 months (2018)						
Yes	3.7	[2.6, 5.3]	45	8.1	[6.3, 10.5]	74
No	96.3	[94.7, 97.4]	1,421	91.9	[89.5, 93.7]	1,055
Need help reading written materials (2016)						
Never/Rarely	89.2	[87.0, 91.0]	1,320	78.2	[74.9, 81.1]	914
Sometimes/Often/Always	10.8	[9.0, 13.0]	146	21.8	[18.9, 25.1]	218
Highest level of education (2017)						
Less than high school	7.4	[5.9, 9.2]	109	15.3	[12.9, 18.1]	169
High school graduate (or equiv.)	36.7	[33.7, 39.8]	550	44.5	[40.8, 48.2]	508
Some college	24.7	[22.0, 27.5]	331	21.3	[18.4, 24.5]	233
Associate's degree	15.3	[13.2, 17.7]	228	9.7	[7.7, 12.1]	109
Bachelor's degree	12.9	[11.0, 15.1]	203	7.0	[5.3, 9.2]	74
Post graduate degree	3.0	[2.1, 4.3]	45	2.3	[1.5, 3.3]	36
In school (2018)						
Yes	10.7	[8.7, 13.0]	111	7.1	[5.2, 9.5]	54
No	89.3	[87.0, 91.3]	1,357	92.9	[90.5, 94.8]	1,079
Employment status, detailed (2018)						
Full-time employment	46.5	[43.4, 49.7]	636	0.0		0
Part-time employment	50.6	[47.5, 53.7]	792	0.0		0
Out of work	0.0		0	37.8	[34.2, 41.6]	342
Unable to work	0.0		0	44.6	[41.0, 48.3]	525
Retired	0.0		0	11.6	[9.8, 13.6]	214
Don't know	2.9	[2.0, 4.2]	40	6.0	[4.4, 8.2]	52
Caregiver (2018)						
Yes	30.6	[27.8, 33.5]	466	31.4	[28.1, 35.0]	353
No	69.4	[66.5, 72.2]	999	68.6	[65.0, 71.9]	772

0.1.4 Demographic characteristics, among respondents age 19-25 and age 26-64

	Age 19-25 (N=285)			Age 26-64 (N=2,317)		
	Col %	95% CI	N	Col %	95% CI	N
HMP/Medicaid enrollment pattern (DW)						
Stayed on	65.4	[58.8, 71.4]	188	76.0	[73.7, 78.1]	1,814
Off for 6+ months	16.5	[12.3, 21.7]	50	16.0	[14.2, 18.0]	348
Churned off/on	18.2	[13.4, 24.1]	47	8.0	[6.6, 9.6]	155
FPL category (DW)						
0-35%	54.3	[47.7, 60.8]	143	63.4	[61.2, 65.5]	1,366
36-99%	27.5	[22.0, 33.7]	83	21.8	[19.9, 23.8]	563
100%+	18.2	[13.8, 23.6]	59	14.8	[13.3, 16.6]	388
Region (DW)						
UP/NW/NE	5.5	[3.7, 8.1]	32	9.7	[9.1, 10.3]	455
W/E Central/E	28.0	[23.0, 33.7]	93	28.7	[27.5, 30.0]	728
S Central/SW/SE	19.6	[15.3, 24.9]	61	18.4	[17.3, 19.5]	465
Detroit Metro	46.8	[40.6, 53.2]	99	43.2	[41.8, 44.6]	669
Age (DW)						
19-34	100.0		285	27.1	[24.8, 29.6]	448
35-50	0.0		0	41.6	[39.0, 44.1]	810
51-64	0.0		0	31.3	[29.2, 33.5]	1,059
Gender (DW)						
Male	50.0	[43.4, 56.6]	112	48.1	[45.6, 50.7]	888
Female	50.0	[43.4, 56.6]	173	51.9	[49.3, 54.4]	1,429
Race/ethnicity (2016)						
White, non-Hispanic	53.3	[46.6, 59.8]	167	60.0	[57.5, 62.4]	1,574
Black, non-Hispanic	26.1	[20.6, 32.6]	66	26.9	[24.8, 29.3]	470
Hispanic	6.4	[3.8, 10.3]	18	4.2	[3.2, 5.3]	89
Other, non-Hispanic	14.2	[9.9, 20.0]	32	8.9	[7.4, 10.7]	153
Race (2016)						
White	54.7	[48.0, 61.2]	173	61.3	[58.8, 63.7]	1,604
Black or African American	26.5	[20.9, 33.0]	67	27.1	[24.9, 29.4]	472
Other	15.4	[10.9, 21.3]	33	7.2	[5.9, 8.7]	132
More than one	3.4	[1.8, 6.7]	10	4.4	[3.4, 5.8]	77
Race/ethnicity, detailed (2016)						
White	50.0	[43.5, 56.6]	158	58.2	[55.8, 60.6]	1,537
Black	26.1	[20.6, 32.6]	66	26.8	[24.6, 29.1]	468
Hispanic	6.4	[3.8, 10.3]	18	4.1	[3.2, 5.3]	87
Arab/Chaldean	11.2	[7.5, 16.5]	26	5.0	[3.9, 6.3]	80
Other/more than one	6.3	[3.6, 10.7]	15	5.9	[4.7, 7.3]	114
Hispanic/Latino (2016)						
Yes	6.3	[3.8, 10.2]	18	4.2	[3.3, 5.3]	89
No	93.7	[89.8, 96.2]	267	95.8	[94.7, 96.7]	2,200
Arab/Chaldean/Middle Eastern (2016)						
Yes	11.1	[7.4, 16.3]	26	5.0	[3.9, 6.3]	82
No	88.9	[83.7, 92.6]	259	95.0	[93.7, 96.1]	2,206
Survey language (2018)						
English	99.8	[98.2, 100.0]	284	98.1	[97.2, 98.7]	2,284
Arabic	0.0		0	1.6	[1.0, 2.5]	23
Spanish	0.2	[0.0, 1.8]	1	0.3	[0.1, 0.6]	8
Marital status (2018)						
Married	10.3	[7.1, 14.8]	34	24.4	[22.5, 26.5]	641
Divorced	1.2	[0.4, 3.5]	4	22.7	[20.7, 24.8]	607
Widowed	0.0		0	3.3	[2.6, 4.1]	112
Separated	0.9	[0.3, 3.1]	3	3.3	[2.6, 4.3]	81
Partnered	5.2	[3.0, 9.1]	14	3.7	[2.8, 4.8]	78
Never married	82.3	[76.9, 86.7]	229	42.6	[40.1, 45.2]	788
Veteran (2016)						
Yes	1.5	[0.4, 5.2]	3	4.3	[3.3, 5.6]	85
No	98.5	[94.8, 99.6]	281	95.7	[94.4, 96.7]	2,228

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Health status (2018)						
Excellent	16.6	[12.2, 22.1]	47	8.6	[7.2, 10.2]	178
Very good	33.9	[27.8, 40.4]	94	25.5	[23.4, 27.8]	597
Good	35.4	[29.3, 42.0]	103	37.9	[35.5, 40.4]	889
Fair	12.7	[8.9, 17.7]	36	20.9	[18.9, 23.1]	493
Poor	1.5	[0.5, 4.2]	5	7.1	[5.9, 8.6]	157
Chronic condition (2016, 2017, 2018)						
Yes	43.8	[37.4, 50.4]	129	65.2	[62.7, 67.6]	1,606
No	56.2	[49.6, 62.6]	156	34.8	[32.4, 37.3]	711
MH/SUD (2016, 2017, 2018 or DW)						
Yes	57.4	[50.8, 63.9]	171	64.7	[62.2, 67.1]	1,514
No	42.6	[36.1, 49.2]	114	35.3	[32.9, 37.8]	803
Number of places lived in past 3 years (2018)						
One	53.5	[46.8, 60.1]	153	72.7	[70.3, 74.9]	1,743
Two	29.1	[23.4, 35.6]	83	19.2	[17.2, 21.3]	394
Three	8.5	[5.6, 12.8]	26	5.1	[4.0, 6.4]	103
Four or more	8.8	[5.5, 13.8]	21	3.1	[2.3, 4.1]	64
Homeless in last 12 months (2018)						
Yes	4.4	[2.3, 8.5]	10	5.8	[4.7, 7.2]	109
No	95.6	[91.5, 97.7]	273	94.2	[92.8, 95.3]	2,204
Need help reading written materials (2016)						
Never/Rarely	86.6	[81.4, 90.5]	247	84.2	[82.2, 86.0]	1,988
Sometimes/Often/Always	13.4	[9.5, 18.6]	38	15.8	[14.0, 17.8]	326
Highest level of education (2017)						
Less than high school	4.9	[2.7, 8.8]	14	11.8	[10.3, 13.6]	264
High school graduate (or equiv.)	36.1	[30.0, 42.8]	98	40.7	[38.2, 43.2]	960
Some college	31.5	[25.7, 37.9]	89	21.5	[19.5, 23.7]	475
Associate's degree	15.2	[11.2, 20.4]	47	12.6	[11.0, 14.4]	291
Bachelor's degree	10.8	[7.4, 15.7]	33	10.4	[9.0, 12.0]	244
Post graduate degree	1.4	[0.4, 4.4]	4	3.0	[2.3, 3.9]	77
In school (2018)						
Yes	29.1	[23.4, 35.7]	74	5.1	[4.0, 6.4]	91
No	70.9	[64.3, 76.6]	211	94.9	[93.6, 96.0]	2,226
Employed/self-employed (2018)						
Yes	71.9	[65.5, 77.6]	213	55.7	[53.2, 58.2]	1,255
No	28.1	[22.4, 34.5]	72	44.3	[41.8, 46.8]	1,061
Employment status, detailed (2018)						
Full-time employment	34.2	[28.2, 40.8]	99	25.8	[23.6, 28.1]	537
Part-time employment	34.8	[28.9, 41.3]	107	28.5	[26.3, 30.8]	685
Out of work	14.0	[9.9, 19.5]	35	16.0	[14.2, 18.1]	307
Unable to work	8.9	[5.7, 13.7]	22	20.5	[18.5, 22.5]	503
Retired	0.0		0	5.8	[4.9, 6.8]	214
Don't know	8.0	[5.0, 12.6]	22	3.4	[2.6, 4.5]	71

0.1.5 Demographic characteristics, among respondents who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Stayed on HMP/Medicaid and completed the 2018 Enrolled Survey (N=1,489)		
	Col %	95% CI	N
FPL category (DW)			
0-35%	54.8	[51.8, 57.7]	731
36-99%	26.4	[23.8, 29.1]	431
100%+	18.9	[16.7, 21.3]	327
Region (DW)			
UP/NW/NE	9.1	[8.1, 10.0]	284
W/E Central/E	28.9	[26.9, 30.9]	491
S Central/SW/SE	18.1	[16.5, 19.9]	293
Detroit Metro	44.0	[41.6, 46.4]	421
Age (DW)			
19-34	36.9	[33.7, 40.2]	376
35-50	35.9	[32.9, 39.1]	478
51-64	27.2	[24.8, 29.7]	635
Gender (DW)			
Male	47.3	[44.2, 50.6]	557
Female	52.7	[49.4, 55.8]	932
Race/ethnicity (2016)			
White, non-Hispanic	60.2	[57.1, 63.3]	1,025
Black, non-Hispanic	24.8	[22.1, 27.7]	281
Hispanic	4.3	[3.2, 5.8]	57
Other, non-Hispanic	10.7	[8.6, 13.1]	109
Race (2016)			
White	61.3	[58.2, 64.4]	1,042
Black or African American	24.9	[22.2, 27.8]	282
Other	9.4	[7.5, 11.6]	102
More than one	4.4	[3.1, 6.2]	45
Race/ethnicity, detailed (2016)			
White	58.5	[55.4, 61.6]	1,002
Black	24.7	[22.0, 27.6]	280
Hispanic	4.3	[3.1, 5.8]	55
Arab/Chaldean	6.7	[5.1, 8.7]	65
Other/more than one	5.9	[4.4, 7.8]	70
Hispanic/Latino (2016)			
Yes	4.3	[3.2, 5.8]	57
No	95.7	[94.2, 96.8]	1,416
Arab/Chaldean/Middle Eastern (2016)			
Yes	6.7	[5.2, 8.7]	67
No	93.3	[91.3, 94.8]	1,404
Survey language (2018)			
English	98.3	[97.3, 99.0]	1,467
Arabic	1.4	[0.8, 2.5]	15
Spanish	0.3	[0.1, 0.7]	6
Marital status (2018)			
Married	20.5	[18.2, 22.9]	377
Divorced	19.6	[17.3, 22.1]	359
Widowed	2.7	[2.0, 3.7]	62
Separated	2.4	[1.6, 3.5]	37
Partnered	3.5	[2.5, 5.0]	47
Never married	51.3	[48.2, 54.5]	598
Veteran (2016)			
Yes	4.2	[3.0, 5.8]	51
No	95.8	[94.2, 97.0]	1,436
Health status (2018)			
Excellent	10.2	[8.3, 12.5]	120
Very good	28.4	[25.6, 31.4]	414
Good	37.7	[34.7, 40.9]	585
Fair	18.4	[16.1, 20.9]	288
Poor	5.3	[4.0, 6.8]	81

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Chronic condition (2016, 2017, 2018)			
Yes	63.4	[60.2, 66.4]	1,015
No	36.6	[33.6, 39.8]	474
MH/SUD (2016, 2017, 2018 or DW)			
Yes	65.0	[61.9, 68.0]	972
No	35.0	[32.0, 38.1]	517
Number of places lived in past 3 years (2018)			
One	74.4	[71.4, 77.2]	1,150
Two	17.4	[15.1, 20.1]	228
Three	4.2	[3.1, 5.7]	54
Four or more	3.9	[2.8, 5.6]	46
Homeless in last 12 months (2018)			
Yes	5.1	[3.8, 6.8]	62
No	94.9	[93.2, 96.2]	1,423
Need help reading written materials (2016)			
Never/Rarely	84.0	[81.4, 86.2]	1,281
Sometimes/Often/Always	16.0	[13.8, 18.6]	206
Highest level of education (2017)			
Less than high school	11.5	[9.7, 13.7]	164
High school graduate (or equiv.)	41.6	[38.5, 44.8]	641
Some college	22.4	[19.7, 25.2]	313
Associate's degree	13.2	[11.2, 15.6]	190
Bachelor's degree	9.3	[7.6, 11.3]	144
Post graduate degree	1.9	[1.3, 2.8]	35
In school (2018)			
Yes	9.3	[7.4, 11.6]	91
No	90.7	[88.4, 92.6]	1,398
Employed/self-employed (2018)			
Yes	55.9	[52.7, 59.0]	822
No	44.1	[41.0, 47.3]	667
Employment status, detailed (2018)			
Full-time employment	20.1	[17.6, 22.8]	276
Part-time employment	33.9	[30.9, 36.9]	520
Out of work	19.9	[17.4, 22.7]	251
Unable to work	16.7	[14.6, 19.2]	277
Retired	4.3	[3.4, 5.5]	105
Don't know	5.1	[3.8, 6.9]	60

0.2 Employed/self-employed and/or student

0.2.1 Employed/self-employed and/or student (change 2016-2018), among all respondents and various subgroups

	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
HMP/Medicaid enrollment pattern (DW)													
Stayed on	49.4	[46.8, 52.1]	1,991	54.5	[51.9, 57.2]	2,002	<0.001	Ref	55.7	[53.0, 58.3]	2,002	<0.001	Ref
Off for 6+ months	74.0	[68.5, 78.9]	397	83.0	[78.3, 86.9]	398	0.002	0.094	85.6	[81.2, 89.2]	398	<0.001	0.010
Churned off/on	61.2	[52.7, 69.0]	202	70.9	[62.9, 77.8]	202	0.022	0.304	65.1	[56.7, 72.7]	202	0.342	0.556
Age (DW)													
19-34	69.0	[65.0, 72.8]	729	73.3	[69.4, 76.9]	733	0.026	Ref	76.3	[72.5, 79.8]	733	<0.001	Ref
35-50	48.8	[44.7, 52.8]	807	57.8	[53.7, 61.8]	810	<0.001	0.142	59.9	[55.7, 63.9]	810	<0.001	0.381
51-64	40.3	[36.7, 43.9]	1,054	45.4	[41.7, 49.2]	1,059	0.002	0.822	40.7	[37.1, 44.4]	1,059	0.743	0.009
Gender (DW)													
Male	52.5	[48.8, 56.2]	996	59.8	[56.1, 63.3]	1,000	<0.001	Ref	59.8	[56.1, 63.3]	1,000	<0.001	Ref
Female	56.5	[53.5, 59.4]	1,594	61.6	[58.6, 64.4]	1,602	<0.001	0.415	62.9	[60.0, 65.7]	1,602	<0.001	0.840
Race/ethnicity (2016)													
White, non-Hispanic	54.7	[51.8, 57.5]	1,735	58.7	[55.9, 61.5]	1,741	0.001	Ref	60.7	[57.9, 63.5]	1,741	<0.001	Ref
Black, non-Hispanic	50.9	[45.9, 55.8]	534	61.3	[56.3, 66.1]	536	<0.001	0.037	61.8	[56.9, 66.6]	536	<0.001	0.137
Hispanic	70.2	[59.8, 78.9]	107	72.2	[61.9, 80.6]	107	---	0.700	65.9	[54.9, 75.5]	107	---	0.033
Other, non-Hispanic	58.7	[50.1, 66.7]	184	65.1	[56.7, 72.6]	185	0.127	0.590	65.8	[57.4, 73.4]	185	0.103	0.804
FPL category (DW)													
0-35%	44.9	[41.9, 48.0]	1,503	50.6	[47.5, 53.7]	1,509	<0.001	Ref	51.4	[48.2, 54.5]	1,509	<0.001	Ref
36-99%	66.8	[62.1, 71.2]	641	74.1	[69.7, 78.0]	646	0.001	0.408	74.6	[70.2, 78.6]	646	0.001	0.443
100%+	75.0	[69.9, 79.5]	446	81.5	[76.9, 85.4]	447	0.009	0.385	82.1	[77.6, 85.9]	447	0.002	0.330
Region (DW)													
UP/NW/NE	56.8	[51.8, 61.6]	485	58.4	[53.4, 63.3]	487	0.448	Ref	61.2	[56.2, 65.9]	487	0.058	Ref
W/E Central/E	51.1	[47.3, 55.0]	815	58.8	[54.9, 62.5]	821	<0.001	0.071	60.2	[56.3, 64.0]	821	<0.001	0.225
S Central/SW/SE	57.2	[52.3, 62.0]	526	62.8	[57.9, 67.5]	526	---	0.204	64.1	[59.3, 68.7]	526	---	0.407
Detroit Metro	55.2	[51.2, 59.1]	764	61.5	[57.5, 65.3]	768	0.001	0.135	61.1	[57.1, 64.9]	768	0.002	0.696
Chronic condition (2016, 2017, 2018)													
Yes	47.8	[44.9, 50.6]	1,728	52.7	[49.8, 55.6]	1,735	<0.001	0.115	53.8	[50.9, 56.7]	1,735	<0.001	0.273
No	65.4	[61.5, 69.1]	862	73.5	[69.8, 76.9]	867	<0.001	Ref	73.5	[69.8, 77.0]	867	<0.001	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	48.5	[45.6, 51.4]	1,674	55.4	[52.4, 58.2]	1,685	<0.001	0.530	56.0	[53.1, 58.9]	1,685	<0.001	0.629
No	65.0	[61.2, 68.7]	916	70.0	[66.2, 73.5]	917	0.008	Ref	70.8	[67.1, 74.2]	917	0.003	Ref
Total	54.5	[52.3, 56.8]	2,590	60.7	[58.4, 62.9]	2,602	<0.001		61.4	[59.1, 63.6]	2,602	<0.001	

Survey items assessing employment and student status were asked differently on the 2016 survey compared to the 2017 and 2018 surveys. In 2016, there was a single item: "What is your current job status. Are you currently...?" Respondents were asked to select only one response option: employed/self-employed, out of work (>= 1 year), out of work (< 1 year), homemaker, student, retired, or unable to work. Two separate items were included on the 2017 and 2018 surveys: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no).

Dashes indicate we were not able to conduct significance testing for this subgroup.

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

0.2.2 Predictors of employed/self-employed and/or student (2016-2018), among all respondents

	Employed/self-employed and/or student (N=2,569)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	1.91	[1.50, 2.42]	<0.001
2018	2.49	[1.92, 3.22]	<0.001
HMP/Medicaid enrollment pattern (DW)			
Stayed on		Ref	
Off for 6+ months	10.84	[6.66, 17.63]	<0.001
Churned off/on	1.91	[1.08, 3.36]	0.026
Age (DW)			
19-34		Ref	
35-50	0.26	[0.17, 0.39]	<0.001
51-64	0.08	[0.05, 0.12]	<0.001
Gender (DW)			
Male		Ref	
Female	1.25	[0.90, 1.73]	0.181
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	1.04	[0.69, 1.57]	0.852
Hispanic	1.74	[0.78, 3.91]	0.176
Other, non-Hispanic	1.16	[0.62, 2.20]	0.640
FPL category (DW)^b			
0-35%		Ref	
36-99%	4.92	[3.52, 6.88]	<0.001
100%+	7.57	[5.24, 10.92]	<0.001
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	0.69	[0.45, 1.07]	0.095
S Central/SW/SE	1.05	[0.64, 1.74]	0.836
Detroit Metro	0.91	[0.56, 1.47]	0.702
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	0.36	[0.25, 0.52]	<0.001
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	0.34	[0.24, 0.48]	<0.001

Survey items assessing employment and student status were asked differently on the 2016 survey compared to the 2017 and 2018 surveys. In 2016, there was a single item: "What is your current job status. Are you currently...?" Respondents were asked to select only one response option: employed/self-employed, out of work (>= 1 year), out of work (< 1 year), homemaker, student, retired, or unable to work. Two separate items were included on the 2017 and 2018 surveys: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no).

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

0.2.3 Employed/self-employed and/or student (change 2016-2018) by prosperity region, among all respondents

	2016			2017				2018			
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	Row %	95% CI	N	p-value ^b
Prosperity region											
Detroit Metro Prosperity Region	55.2	[51.3, 59.1]	766	61.4	[57.4, 65.2]	770	0.001	61.2	[57.3, 65.0]	770	0.002
East Central Michigan Prosperity Region	59.5	[51.3, 67.3]	192	67.9	[59.9, 74.9]	194	0.042	64.5	[56.3, 71.9]	194	0.227
East Michigan Prosperity Region	49.7	[43.3, 56.1]	309	59.4	[53.0, 65.5]	311	0.004	65.5	[59.3, 71.2]	311	<0.001
Northeast Prosperity Region	60.9	[52.8, 68.5]	176	59.7	[51.5, 67.4]	177	---	61.4	[53.5, 68.8]	177	---
Northwest Prosperity Region	49.9	[39.4, 60.4]	127	51.2	[40.8, 61.5]	128	0.752	61.8	[51.3, 71.3]	128	0.008
South Central Prosperity Region	64.7	[52.7, 75.1]	99	73.6	[62.5, 82.3]	99	0.679	74.3	[63.4, 82.9]	99	0.670
Southeast Michigan Prosperity Region	58.0	[50.4, 65.3]	228	65.3	[57.9, 72.1]	228	0.412	62.7	[55.2, 69.7]	228	0.409
Southwest Prosperity Region	52.3	[44.1, 60.5]	199	54.1	[45.8, 62.2]	199	0.624	60.6	[52.4, 68.3]	199	0.037
Upper Peninsula Prosperity Alliance	58.7	[50.5, 66.5]	180	62.9	[54.6, 70.5]	180	---	60.7	[52.4, 68.5]	180	---
West Michigan Prosperity Alliance	47.2	[40.8, 53.7]	313	52.0	[45.5, 58.4]	315	0.085	51.7	[45.2, 58.1]	315	0.191
Total	54.5	[52.3, 56.8]	2,590	60.7	[58.4, 62.9]	2,602	<0.001	61.4	[59.1, 63.6]	2,602	<0.001

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

Dashes indicate we were not able to conduct significance testing for this subgroup.

0.3 Employed/self-employed

0.3.1 Employed/self-employed (change 2017-2018), among all respondents and various subgroups

	2017			2018			p-value ^a	p-value ^b
	Row %	95% CI	N	Row %	95% CI	N		
HMP/Medicaid enrollment pattern (DW)								
Stayed on	51.4	[48.7, 54.0]	2,000	52.3	[49.6, 55.0]	2,002	0.381	Ref
Off for 6+ months	82.2	[77.4, 86.2]	398	84.3	[79.7, 88.0]	397	0.345	0.534
Churned off/on	67.0	[58.8, 74.2]	202	62.7	[54.2, 70.4]	202	0.260	0.185
Age (DW)								
19-34	67.4	[63.4, 71.2]	733	70.7	[66.7, 74.4]	732	0.051	Ref
35-50	56.8	[52.7, 60.8]	809	58.2	[54.1, 62.3]	810	0.392	0.468
51-64	44.7	[41.1, 48.5]	1,058	40.2	[36.6, 43.9]	1,059	0.001	<0.001
Gender (DW)								
Male	57.8	[54.1, 61.3]	999	58.0	[54.3, 61.6]	1,000	0.870	Ref
Female	58.0	[55.0, 60.9]	1,601	58.9	[55.9, 61.8]	1,601	0.401	0.688
Race/ethnicity (2016)								
White, non-Hispanic	56.4	[53.6, 59.3]	1,741	58.3	[55.4, 61.1]	1,740	0.120	Ref
Black, non-Hispanic	57.5	[52.4, 62.4]	534	57.9	[52.9, 62.8]	536	0.788	0.602
Hispanic	71.6	[61.3, 80.1]	107	65.3	[54.3, 74.9]	107	0.118	0.066
Other, non-Hispanic	62.5	[54.0, 70.3]	185	61.9	[53.3, 69.8]	185	0.837	0.436
FPL category (DW)								
0-35%	47.6	[44.5, 50.8]	1,507	48.1	[45.0, 51.2]	1,508	0.686	Ref
36-99%	70.0	[65.4, 74.2]	646	72.0	[67.5, 76.1]	646	0.302	0.495
100%+	80.9	[76.3, 84.8]	447	80.1	[75.3, 84.2]	447	0.722	0.631
Region (DW)								
UP/NW/NE	56.7	[51.7, 61.6]	487	60.5	[55.5, 65.2]	487	0.087	Ref
W/E Central/E	56.7	[52.8, 60.5]	821	57.7	[53.7, 61.5]	821	0.607	0.307
S Central/SW/SE	60.3	[55.3, 65.1]	526	61.2	[56.3, 65.9]	526	0.680	0.352
Detroit Metro	57.8	[53.8, 61.7]	766	57.5	[53.5, 61.4]	767	0.882	0.145
Chronic condition (2016, 2017, 2018)								
Yes	50.3	[47.4, 53.2]	1,734	51.6	[48.6, 54.5]	1,734	0.298	0.438
No	70.1	[66.2, 73.6]	866	69.6	[65.7, 73.2]	867	0.817	Ref
MH/SUD (2016, 2017, 2018 or DW)								
Yes	51.9	[49.0, 54.8]	1,685	52.8	[49.9, 55.7]	1,684	0.468	0.750
No	68.3	[64.5, 71.9]	915	68.4	[64.6, 71.9]	917	0.908	Ref
Highest level of education (2017)								
High school or less	51.3	[47.9, 54.6]	1,336	51.1	[47.7, 54.4]	1,336	0.882	Ref
Associate's degree/Some college	63.5	[59.6, 67.2]	902	64.6	[60.7, 68.3]	901	0.509	0.537
Bachelor's/Post graduate degree	68.0	[61.6, 73.8]	356	70.9	[64.7, 76.4]	358	0.246	0.261
Total	57.9	[55.6, 60.1]	2,600	58.5	[56.2, 60.8]	2,601	0.509	

^aMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

0.3.2 Predictors of employed/self-employed (2017-2018), among all respondents

	Employed/self-employed (N=2,563)		
	aOR	95% CI	p-value ^a
Survey year			
2017		Ref	
2018	1.28	[1.03, 1.58]	0.023
HMP/Medicaid enrollment pattern (DW)			
Stayed on		Ref	
Off for 6+ months	8.22	[5.19, 13.01]	<0.001
Churned off/on	2.19	[1.26, 3.81]	0.005
Age (DW)			
19-34		Ref	
35-50	0.66	[0.45, 0.98]	0.037
51-64	0.22	[0.15, 0.33]	<0.001
Gender (DW)			
Male		Ref	
Female	1.14	[0.83, 1.57]	0.402
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	1.03	[0.69, 1.54]	0.870
Hispanic	1.93	[0.88, 4.25]	0.101
Other, non-Hispanic	1.07	[0.57, 2.00]	0.836
FPL category (DW)^b			
0-35%		Ref	
36-99%	5.10	[3.72, 7.00]	<0.001
100%+	6.37	[4.47, 9.06]	<0.001
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	0.67	[0.44, 1.01]	0.054
S Central/SW/SE	0.92	[0.57, 1.49]	0.732
Detroit Metro	0.75	[0.47, 1.19]	0.220
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	0.44	[0.32, 0.62]	<0.001
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	0.37	[0.27, 0.52]	<0.001
Highest level of education (2017)			
High school or less		Ref	
Associate's degree/Some college	1.84	[1.30, 2.59]	0.001
Bachelor's/Post graduate degree	1.97	[1.22, 3.19]	0.006

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

Aim 1: To describe changes over time in health and functional status for HMP enrollees, particularly those with chronic conditions or other indicators of poorer health.

1.1 Health status

1.1.1 Health status (2016, 2017, 2018), among all respondents

	2016			2017			2018		
	Col %	95% CI	N	Col %	95% CI	N	Col %	95% CI	N
Health status									
Excellent	10.9	[9.3, 12.6]	218	10.2	[8.8, 11.8]	221	9.9	[8.6, 11.5]	225
Very good	26.1	[24.1, 28.3]	675	26.1	[24.1, 28.3]	681	26.9	[24.9, 29.1]	691
Good	33.0	[30.8, 35.2]	910	37.3	[35.0, 39.6]	996	37.5	[35.2, 39.8]	992
Fair	22.7	[20.7, 24.7]	587	20.9	[19.0, 22.9]	544	19.5	[17.7, 21.5]	529
Poor	7.4	[6.2, 8.7]	206	5.5	[4.5, 6.6]	160	6.1	[5.1, 7.4]	162

Percentages may not add up to 100% due to rounding

1.2 Fair/poor health

1.2.1 Fair/poor health (change 2016-2018), among all respondents and various subgroups

	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
HMP/Medicaid enrollment pattern (DW)													
Stayed on	32.6	[30.1, 35.2]	2,002	28.5	[26.1, 31.0]	2,002	0.001	Ref	26.8	[24.5, 29.2]	2,002	<0.001	Ref
Off for 6+ months	21.0	[16.4, 26.5]	398	19.1	[14.8, 24.3]	398	0.422	0.589	20.1	[15.7, 25.4]	398	0.727	0.151
Churned off/on	24.9	[18.4, 32.7]	202	22.5	[16.3, 30.1]	202	0.534	0.709	26.0	[19.4, 33.9]	202	0.767	0.091
Age (DW)													
19-34	21.0	[17.7, 24.6]	733	16.7	[13.8, 20.1]	733	0.012	Ref	16.8	[13.9, 20.2]	733	0.011	Ref
35-50	36.0	[32.1, 40.1]	810	31.8	[28.1, 35.8]	810	0.032	0.572	32.6	[28.9, 36.6]	810	0.093	0.437
51-64	35.6	[32.1, 39.3]	1,059	33.9	[30.4, 37.5]	1,059	0.281	0.147	29.8	[26.4, 33.3]	1,059	0.001	0.891
Gender (DW)													
Male	31.5	[28.1, 35.0]	1,000	28.5	[25.2, 31.9]	1,000	0.070	Ref	25.8	[22.7, 29.2]	1,000	0.001	Ref
Female	28.6	[25.9, 31.3]	1,602	24.4	[22.0, 27.1]	1,602	0.001	0.503	25.5	[22.9, 28.2]	1,602	0.018	0.253
Race/ethnicity (2016)													
White, non-Hispanic	29.1	[26.6, 31.9]	1,741	26.8	[24.2, 29.4]	1,741	0.054	Ref	26.3	[23.7, 28.9]	1,741	0.017	Ref
Black, non-Hispanic	32.6	[28.0, 37.5]	536	26.3	[22.2, 31.0]	536	0.006	0.152	24.6	[20.6, 29.1]	536	<0.001	0.052
Hispanic	30.4	[21.1, 41.6]	107	23.6	[15.7, 33.9]	107	0.205	0.432	17.9	[11.6, 26.5]	107	0.008	0.051
Other, non-Hispanic	27.6	[20.8, 35.5]	185	24.3	[17.9, 32.0]	185	0.340	0.816	28.5	[21.6, 36.5]	185	0.839	0.374
FPL category (DW)													
0-35%	34.8	[31.9, 37.8]	1,509	31.5	[28.7, 34.5]	1,509	0.017	Ref	29.9	[27.2, 32.9]	1,509	0.001	Ref
36-99%	23.2	[19.5, 27.3]	646	18.8	[15.4, 22.8]	646	0.037	0.471	19.7	[16.2, 23.6]	646	0.093	0.820
100%+	20.7	[16.6, 25.6]	447	17.1	[13.4, 21.4]	447	0.119	0.624	17.2	[13.4, 21.8]	447	0.101	0.954
Region (DW)													
UP/NW/NE	28.4	[24.1, 33.1]	487	23.6	[19.7, 28.1]	487	0.064	Ref	23.8	[19.9, 28.3]	487	0.076	Ref
W/E Central/E	30.6	[27.2, 34.4]	821	30.2	[26.7, 34.1]	821	0.817	0.149	28.1	[24.7, 31.9]	821	0.174	0.488
S Central/SW/SE	28.0	[23.6, 32.8]	526	24.7	[20.7, 29.2]	526	0.122	0.692	26.7	[22.4, 31.5]	526	0.547	0.328
Detroit Metro	30.7	[27.1, 34.6]	768	25.2	[21.8, 28.9]	768	0.002	0.810	23.9	[20.6, 27.6]	768	<0.001	0.475
Chronic condition (2016, 2017, 2018)													
Yes	40.3	[37.4, 43.2]	1,735	35.6	[32.9, 38.5]	1,735	0.001	0.749	34.2	[31.5, 37.1]	1,735	<0.001	0.320
No	13.5	[10.8, 16.6]	867	11.6	[9.1, 14.5]	867	0.201	Ref	11.8	[9.4, 14.9]	867	0.250	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	38.4	[35.5, 41.3]	1,685	33.9	[31.2, 36.8]	1,685	0.001	0.727	33.1	[30.4, 36.0]	1,685	<0.001	0.829
No	15.4	[12.7, 18.5]	917	13.3	[10.9, 16.2]	917	0.176	Ref	12.6	[10.3, 15.4]	917	0.064	Ref
Employed/self-employed (2018)													
Yes	20.7	[18.2, 23.4]	1,468	17.2	[15.0, 19.8]	1,468	0.010	0.661	16.6	[14.4, 19.1]	1,468	0.001	0.672
No	43.0	[39.4, 46.7]	1,133	39.3	[35.8, 42.9]	1,133	0.020	Ref	38.4	[34.9, 42.0]	1,133	0.009	Ref

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	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Caregiver (2018)													
Yes	27.8	[24.1, 31.9]	819	24.2	[20.6, 28.2]	819	0.047	0.956	24.6	[21.1, 28.5]	819	0.114	0.502
No	31.0	[28.5, 33.7]	1,772	27.5	[25.0, 30.0]	1,772	0.005	Ref	26.2	[23.8, 28.8]	1,772	<0.001	Ref
Race/ethnicity, two groups (2016)													
White	29.8	[27.1, 32.6]	1,695	27.4	[24.8, 30.1]	1,695	0.051	Ref	26.7	[24.1, 29.4]	1,695	0.012	Ref
All racial/ethnic minorities	30.2	[26.7, 33.9]	874	24.8	[21.6, 28.3]	874	0.002	0.183	24.3	[21.1, 27.7]	874	0.001	0.213
Race/ethnicity, detailed (2016)													
White	29.8	[27.1, 32.6]	1,695	27.4	[24.8, 30.1]	1,695	0.051	Ref	26.7	[24.1, 29.4]	1,695	0.012	Ref
Black	32.7	[28.1, 37.6]	534	26.4	[22.2, 31.1]	534	0.006	0.154	24.7	[20.7, 29.2]	534	<0.001	0.061
Hispanic	30.0	[20.7, 41.3]	105	23.4	[15.5, 33.7]	105	0.222	0.460	17.6	[11.4, 26.3]	105	0.009	0.060
Arab/Chaldean	16.0	[9.4, 25.9]	106	14.6	[8.3, 24.2]	106	0.751	0.928	17.8	[10.7, 28.0]	106	0.645	0.296
Other/more than one	33.6	[24.7, 43.9]	129	29.0	[20.7, 39.2]	129	0.320	0.708	34.0	[24.9, 44.4]	129	0.958	0.528
Total	30.0	[27.8, 32.2]	2,602	26.4	[24.4, 28.5]	2,602	0.001		25.6	[23.6, 27.8]	2,602	<0.001	

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

1.2.2 Predictors of fair/poor health (2016-2018), among all respondents

	Fair/poor health (N=2,557)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	0.66	[0.53, 0.83]	<0.001
2018	0.59	[0.47, 0.75]	<0.001
HMP/Medicaid enrollment pattern (DW)			
Stayed on		Ref	
Off for 6+ months	1.07	[0.66, 1.74]	0.774
Churned off/on	0.99	[0.54, 1.81]	0.965
Age (DW)			
19-34		Ref	
35-50	3.02	[1.98, 4.61]	<0.001
51-64	1.88	[1.24, 2.86]	0.003
Gender (DW)			
Male		Ref	
Female	0.80	[0.57, 1.13]	0.204
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	1.19	[0.76, 1.86]	0.444
Hispanic	1.45	[0.67, 3.14]	0.345
Other, non-Hispanic	1.60	[0.85, 3.01]	0.148
FPL category (DW)^b			
0-35%		Ref	
36-99%	0.75	[0.56, 1.01]	0.055
100%+	0.58	[0.41, 0.83]	0.002
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	1.41	[0.92, 2.17]	0.119
S Central/SW/SE	1.09	[0.67, 1.79]	0.723
Detroit Metro	1.17	[0.72, 1.89]	0.521
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	7.69	[5.15, 11.50]	<0.001
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	6.54	[4.41, 9.72]	<0.001
Employed/self-employed (2018)			
No		Ref	
Yes	0.24	[0.17, 0.35]	<0.001
Caregiver (2018)			
No		Ref	
Yes	0.70	[0.48, 1.01]	0.054

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

1.2.3 Excellent/very good/good health (change 2016-2018) by prosperity region, among all respondents

	2016			2017				2018			
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	Row %	95% CI	N	p-value ^b
Prosperity region											
Detroit Metro Prosperity Region	69.1	[65.2, 72.8]	770	74.9	[71.2, 78.2]	770	0.001	76.1	[72.5, 79.4]	770	<0.001
East Central Michigan Prosperity Region	75.5	[68.1, 81.7]	194	75.1	[67.6, 81.3]	194	0.905	76.3	[68.7, 82.5]	194	0.829
East Michigan Prosperity Region	68.9	[62.7, 74.5]	311	68.2	[61.8, 74.0]	311	0.803	72.0	[65.9, 77.5]	311	0.289
Northeast Prosperity Region	69.2	[61.4, 76.1]	177	70.4	[62.2, 77.4]	177	0.784	72.0	[64.3, 78.6]	177	0.440
Northwest Prosperity Region	70.0	[59.6, 78.7]	128	77.4	[68.2, 84.5]	128	0.166	75.1	[64.7, 83.2]	128	0.439
South Central Prosperity Region	81.0	[69.6, 88.8]	99	84.2	[73.4, 91.2]	99	0.513	80.4	[68.6, 88.5]	99	0.896
Southeast Michigan Prosperity Region	67.1	[59.2, 74.0]	228	72.1	[64.6, 78.4]	228	0.126	72.9	[65.5, 79.2]	228	0.054
Southwest Prosperity Region	73.1	[65.6, 79.4]	199	74.3	[67.1, 80.3]	199	0.717	69.7	[61.6, 76.7]	199	0.352
Upper Peninsula Prosperity Alliance	76.1	[68.6, 82.2]	180	81.4	[74.6, 86.8]	180	0.141	82.1	[75.8, 87.1]	180	0.059
West Michigan Prosperity Alliance	66.2	[59.8, 72.0]	315	68.6	[62.1, 74.5]	315	0.362	69.2	[62.8, 74.9]	315	0.329
Total	70.0	[67.8, 72.2]	2,602	73.6	[71.5, 75.6]	2,602	0.001	74.4	[72.2, 76.4]	2,602	<0.001

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

1.3 Number of days physical health not good

1.3.1 Number of days physical health not good (change 2016-2018), among all respondents and various subgroups

	2016			2017					2018				
	Mean	95% CI	N	Mean	95% CI	N	p-value ^a	p-value ^b	Mean	95% CI	N	p-value ^c	p-value ^d
HMP/Medicaid enrollment pattern (DW)													
Stayed on	7.4	[6.8, 8.0]	2,002	6.1	[5.6, 6.6]	2,002	<0.001	Ref	6.5	[5.9, 7.0]	2,002	0.001	Ref
Off for 6+ months	4.4	[3.4, 5.3]	398	3.2	[2.4, 4.0]	398	0.035	0.832	3.8	[2.9, 4.8]	398	0.389	0.554
Churned off/on	5.4	[4.0, 6.8]	202	4.8	[3.5, 6.1]	202	0.534	0.388	4.8	[3.5, 6.2]	202	0.514	0.665
Age (DW)													
19-34	4.2	[3.5, 4.9]	733	3.2	[2.7, 3.8]	733	0.005	Ref	3.7	[3.1, 4.4]	733	0.188	Ref
35-50	7.9	[7.0, 8.8]	810	6.7	[5.9, 7.5]	810	0.012	0.679	7.2	[6.3, 8.1]	810	0.132	0.696
51-64	9.0	[8.1, 9.9]	1,059	7.5	[6.7, 8.3]	1,059	0.001	0.401	7.5	[6.7, 8.2]	1,059	0.001	0.086
Gender (DW)													
Male	6.6	[5.9, 7.4]	1,000	5.3	[4.7, 6.0]	1,000	0.001	Ref	5.9	[5.2, 6.6]	1,000	0.049	Ref
Female	6.8	[6.2, 7.4]	1,602	5.7	[5.2, 6.3]	1,602	<0.001	0.636	5.9	[5.3, 6.5]	1,602	0.006	0.788
Race/ethnicity (2016)													
White, non-Hispanic	7.2	[6.6, 7.8]	1,741	5.7	[5.2, 6.3]	1,741	<0.001	Ref	6.4	[5.8, 7.0]	1,741	0.021	Ref
Black, non-Hispanic	5.8	[5.0, 6.7]	536	4.4	[3.7, 5.2]	536	0.003	0.959	4.3	[3.5, 5.0]	536	<0.001	0.144
Hispanic	6.4	[4.3, 8.4]	107	6.2	[3.7, 8.7]	107	0.942	0.303	5.4	[3.3, 7.5]	107	0.327	0.817
Other, non-Hispanic	6.6	[4.9, 8.3]	185	6.8	[5.0, 8.7]	185	0.813	0.150	7.3	[5.4, 9.2]	185	0.433	0.144
FPL category (DW)													
0-35%	7.7	[7.1, 8.4]	1,509	6.4	[5.8, 7.0]	1,509	<0.001	Ref	7.2	[6.6, 7.9]	1,509	0.172	Ref
36-99%	5.3	[4.5, 6.1]	646	4.1	[3.4, 4.8]	646	0.013	0.983	3.9	[3.2, 4.6]	646	0.001	0.073
100%+	4.9	[3.9, 5.8]	447	4.0	[3.2, 4.8]	447	0.161	0.575	3.6	[2.7, 4.4]	447	0.020	0.211
Region (DW)													
UP/NW/NE	7.4	[6.3, 8.5]	487	6.6	[5.6, 7.6]	487	0.184	Ref	6.1	[5.1, 7.1]	487	0.025	Ref
W/E Central/E	7.6	[6.8, 8.5]	821	6.5	[5.8, 7.3]	821	0.018	0.618	6.6	[5.8, 7.3]	821	0.014	0.872
S Central/SW/SE	6.7	[5.7, 7.7]	526	5.5	[4.6, 6.3]	526	0.014	0.509	6.1	[5.1, 7.1]	526	0.367	0.400
Detroit Metro	6.0	[5.2, 6.8]	768	4.7	[4.0, 5.4]	768	0.001	0.388	5.3	[4.5, 6.1]	768	0.087	0.474
Chronic condition (2016, 2017, 2018)													
Yes	8.4	[7.7, 9.0]	1,735	7.1	[6.5, 7.7]	1,735	<0.001	0.626	7.5	[6.8, 8.1]	1,735	0.006	0.715
No	4.1	[3.5, 4.8]	867	3.1	[2.5, 3.7]	867	0.004	Ref	3.4	[2.8, 4.0]	867	0.067	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	8.7	[8.0, 9.3]	1,685	7.1	[6.5, 7.7]	1,685	<0.001	0.014	7.7	[7.1, 8.3]	1,685	0.005	0.439
No	3.3	[2.8, 3.9]	917	2.9	[2.4, 3.4]	917	0.198	Ref	2.8	[2.3, 3.2]	917	0.074	Ref
Employed/self-employed (2018)													
Yes	4.7	[4.2, 5.2]	1,468	3.5	[3.0, 3.9]	1,468	<0.001	0.659	3.5	[3.1, 3.9]	1,468	<0.001	0.066
No	9.6	[8.7, 10.4]	1,133	8.5	[7.7, 9.3]	1,133	0.012	Ref	9.3	[8.4, 10.1]	1,133	0.556	Ref

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	2016			2017					2018				
	Mean	95% CI	N	Mean	95% CI	N	p-value ^a	p-value ^b	Mean	95% CI	N	p-value ^c	p-value ^d
Caregiver (2018)													
Yes	6.5	[5.7, 7.3]	819	5.4	[4.6, 6.2]	819	0.026	0.765	6.0	[5.1, 6.8]	819	0.308	0.392
No	6.9	[6.3, 7.4]	1,772	5.6	[5.1, 6.1]	1,772	<0.001	Ref	5.9	[5.3, 6.4]	1,772	0.001	Ref
Race/ethnicity, two groups (2016)													
White	7.3	[6.7, 8.0]	1,695	5.9	[5.3, 6.4]	1,695	<0.001	Ref	6.6	[5.9, 7.2]	1,695	0.025	Ref
All racial/ethnic minorities	5.9	[5.2, 6.6]	874	5.0	[4.4, 5.7]	874	0.040	0.259	5.0	[4.3, 5.7]	874	0.014	0.741
Race/ethnicity, detailed (2016)													
White	7.3	[6.7, 8.0]	1,695	5.9	[5.3, 6.4]	1,695	<0.001	Ref	6.6	[5.9, 7.2]	1,695	0.025	Ref
Black	5.8	[5.0, 6.7]	534	4.5	[3.7, 5.2]	534	0.003	0.945	4.3	[3.6, 5.0]	534	<0.001	0.148
Hispanic	6.3	[4.3, 8.3]	105	6.1	[3.7, 8.6]	105	0.926	0.309	5.4	[3.2, 7.5]	105	0.333	0.824
Arab/Chaldean	4.7	[2.8, 6.6]	106	4.0	[2.0, 6.1]	106	0.682	0.584	4.4	[2.4, 6.4]	106	0.836	0.721
Other/more than one	7.1	[5.0, 9.3]	129	7.9	[5.7, 10.1]	129	0.510	0.066	8.5	[6.0, 10.9]	129	0.198	0.056
Total	6.7	[6.3, 7.2]	2,602	5.5	[5.1, 6.0]	2,602	<0.001		5.9	[5.4, 6.3]	2,602	0.001	

^aMixed effects regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects regression, 2018 compared to 2016, comparing changes over time across subpopulations

1.3.2 Predictors of number of days physical health not good (2016-2018), among all respondents

	Number of days physical health not good (N=2,557)		
	Coef.	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	-1.20	[-1.69, -0.72]	<0.001
2018	-0.94	[-1.44, -0.44]	<0.001
HMP/Medicaid enrollment pattern (DW)			
Stayed on		Ref	
Off for 6+ months	-0.69	[-1.39, 0.01]	0.053
Churned off/on	-0.29	[-1.39, 0.81]	0.605
Age (DW)			
19-34		Ref	
35-50	2.60	[1.81, 3.39]	<0.001
51-64	2.50	[1.69, 3.31]	<0.001
Gender (DW)			
Male		Ref	
Female	0.35	[-0.31, 1.00]	0.305
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	-1.02	[-1.86, -0.18]	0.018
Hispanic	1.03	[-0.46, 2.51]	0.175
Other, non-Hispanic	1.78	[0.45, 3.10]	0.009
FPL category (DW)^b			
0-35%		Ref	
36-99%	-0.98	[-1.51, -0.46]	<0.001
100%+	-0.91	[-1.53, -0.29]	0.004
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	0.28	[-0.69, 1.24]	0.570
S Central/SW/SE	-0.41	[-1.47, 0.66]	0.454
Detroit Metro	-0.77	[-1.82, 0.29]	0.153
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	2.29	[1.62, 2.96]	<0.001
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	3.43	[2.84, 4.02]	<0.001
Employed/self-employed (2018)			
No		Ref	
Yes	-3.50	[-4.26, -2.74]	<0.001
Caregiver (2018)			
No		Ref	
Yes	-0.52	[-1.21, 0.17]	0.140

^aMixed effects glm regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

1.4 Number of days mental health not good

1.4.1 Number of days mental health not good (change 2016-2018), among all respondents and various subgroups

	2016			2017					2018				
	Mean	95% CI	N	Mean	95% CI	N	p-value ^a	p-value ^b	Mean	95% CI	N	p-value ^c	p-value ^d
HMP/Medicaid enrollment pattern (DW)													
Stayed on	6.3	[5.7, 6.9]	2,002	5.9	[5.3, 6.4]	2,002	0.059	Ref	6.2	[5.6, 6.7]	2,002	0.479	Ref
Off for 6+ months	4.2	[3.2, 5.3]	398	4.1	[3.1, 5.1]	398	0.837	0.551	4.3	[3.3, 5.2]	398	0.881	0.654
Churned off/on	4.2	[3.0, 5.4]	202	6.2	[4.6, 7.8]	202	0.024	0.006	4.5	[3.3, 5.8]	202	0.645	0.499
Age (DW)													
19-34	4.8	[4.0, 5.6]	733	5.4	[4.6, 6.2]	733	0.203	Ref	5.3	[4.6, 6.1]	733	0.304	Ref
35-50	6.4	[5.5, 7.2]	810	6.2	[5.4, 7.0]	810	0.675	0.246	6.8	[6.0, 7.7]	810	0.274	0.913
51-64	6.3	[5.5, 7.2]	1,059	5.1	[4.4, 5.8]	1,059	0.002	0.002	4.8	[4.2, 5.4]	1,059	<0.001	<0.001
Gender (DW)													
Male	5.4	[4.7, 6.1]	1,000	4.9	[4.2, 5.6]	1,000	0.121	Ref	5.3	[4.6, 6.0]	1,000	0.706	Ref
Female	6.1	[5.5, 6.7]	1,602	6.3	[5.7, 6.9]	1,602	0.696	0.161	6.1	[5.5, 6.7]	1,602	0.870	0.877
Race/ethnicity (2016)													
White, non-Hispanic	6.4	[5.8, 7.0]	1,741	6.0	[5.4, 6.6]	1,741	0.100	Ref	6.1	[5.5, 6.7]	1,741	0.262	Ref
Black, non-Hispanic	4.5	[3.7, 5.3]	536	4.6	[3.7, 5.5]	536	0.799	0.294	4.8	[3.9, 5.6]	536	0.524	0.254
Hispanic	4.6	[2.7, 6.6]	107	4.4	[2.7, 6.0]	107	0.784	0.792	5.3	[3.2, 7.4]	107	0.381	0.243
Other, non-Hispanic	5.7	[3.9, 7.5]	185	6.5	[4.7, 8.3]	185	0.490	0.252	6.1	[4.4, 7.8]	185	0.866	0.616
FPL category (DW)													
0-35%	6.6	[6.0, 7.3]	1,509	6.5	[5.9, 7.2]	1,509	0.637	Ref	6.7	[6.0, 7.3]	1,509	0.945	Ref
36-99%	4.6	[3.8, 5.5]	646	4.4	[3.5, 5.2]	646	0.581	0.837	4.3	[3.5, 5.1]	646	0.406	0.447
100%+	3.9	[3.1, 4.8]	447	3.7	[2.9, 4.5]	447	0.433	0.783	3.9	[3.1, 4.7]	447	0.890	0.883
Region (DW)													
UP/NW/NE	5.9	[4.9, 7.0]	487	5.0	[4.1, 6.0]	487	0.029	Ref	5.5	[4.6, 6.5]	487	0.432	Ref
W/E Central/E	6.1	[5.3, 7.0]	821	6.4	[5.5, 7.2]	821	0.795	0.071	6.8	[6.0, 7.6]	821	0.245	0.177
S Central/SW/SE	6.7	[5.6, 7.8]	526	6.5	[5.6, 7.4]	526	0.768	0.227	5.8	[4.9, 6.7]	526	0.127	0.553
Detroit Metro	5.1	[4.3, 5.8]	768	4.9	[4.1, 5.6]	768	0.533	0.205	5.0	[4.2, 5.7]	768	0.835	0.620
Chronic condition (2016, 2017, 2018)													
Yes	7.1	[6.4, 7.7]	1,735	6.6	[6.0, 7.2]	1,735	0.119	0.110	6.6	[6.1, 7.2]	1,735	0.122	0.024
No	3.7	[3.0, 4.3]	867	3.9	[3.3, 4.6]	867	0.462	Ref	4.2	[3.5, 4.9]	867	0.099	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	8.1	[7.5, 8.8]	1,685	7.9	[7.3, 8.6]	1,685	0.486	0.801	7.9	[7.3, 8.5]	1,685	0.459	0.278
No	1.7	[1.2, 2.2]	917	1.6	[1.2, 2.0]	917	0.590	Ref	1.9	[1.5, 2.4]	917	0.395	Ref
Employed/self-employed (2018)													
Yes	4.1	[3.6, 4.7]	1,468	4.5	[3.9, 5.0]	1,468	0.271	0.014	4.2	[3.7, 4.7]	1,468	0.802	0.431
No	8.1	[7.2, 8.9]	1,133	7.2	[6.5, 8.0]	1,133	0.025	Ref	7.8	[7.0, 8.6]	1,133	0.427	Ref

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	2016			2017					2018				
	Mean	95% CI	N	Mean	95% CI	N	p-value ^a	p-value ^b	Mean	95% CI	N	p-value ^c	p-value ^d
Caregiver (2018)													
Yes	5.9	[5.1, 6.8]	819	6.0	[5.1, 6.8]	819	0.977	0.558	6.2	[5.4, 7.0]	819	0.677	0.456
No	5.7	[5.1, 6.3]	1,772	5.5	[5.0, 6.0]	1,772	0.289	Ref	5.5	[5.0, 6.1]	1,772	0.436	Ref
Race/ethnicity, two groups (2016)													
White	6.5	[5.9, 7.2]	1,695	6.1	[5.5, 6.7]	1,695	0.107	Ref	6.2	[5.6, 6.8]	1,695	0.219	Ref
All racial/ethnic minorities	4.7	[4.0, 5.4]	874	4.9	[4.2, 5.7]	874	0.627	0.173	5.1	[4.4, 5.8]	874	0.352	0.136
Race/ethnicity, detailed (2016)													
White	6.5	[5.9, 7.2]	1,695	6.1	[5.5, 6.7]	1,695	0.107	Ref	6.2	[5.6, 6.8]	1,695	0.219	Ref
Black	4.5	[3.7, 5.3]	534	4.6	[3.8, 5.5]	534	0.799	0.296	4.8	[3.9, 5.6]	534	0.524	0.228
Hispanic	4.7	[2.7, 6.6]	105	4.3	[2.6, 5.9]	105	0.675	0.894	5.3	[3.2, 7.4]	105	0.435	0.265
Arab/Chaldean	2.9	[1.3, 4.6]	106	4.5	[2.3, 6.7]	106	0.168	0.081	3.6	[1.9, 5.3]	106	0.465	0.271
Other/more than one	7.5	[5.0, 10.1]	129	7.2	[5.1, 9.4]	129	0.589	0.942	8.0	[5.6, 10.3]	129	0.973	0.794
Total	5.8	[5.3, 6.2]	2,602	5.6	[5.2, 6.1]	2,602	0.394		5.7	[5.3, 6.1]	2,602	0.703	

^aMixed effects regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects regression, 2018 compared to 2016, comparing changes over time across subpopulations

1.4.2 Predictors of number of days mental health not good (2016-2018), among all respondents

	Number of days mental health not good (N=2,556)		
	Coef.	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	-0.20	[-0.67, 0.27]	0.402
2018	-0.16	[-0.64, 0.32]	0.524
HMP/Medicaid enrollment pattern (DW)			
Stayed on		Ref	
Off for 6+ months	-0.09	[-0.95, 0.77]	0.841
Churned off/on	-0.58	[-1.67, 0.51]	0.294
Age (DW)			
19-34		Ref	
35-50	0.32	[-0.56, 1.21]	0.475
51-64	-1.13	[-2.00, -0.26]	0.011
Gender (DW)			
Male		Ref	
Female	0.94	[0.24, 1.65]	0.009
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	-0.73	[-1.62, 0.15]	0.102
Hispanic	-0.35	[-1.81, 1.10]	0.635
Other, non-Hispanic	1.10	[-0.23, 2.43]	0.104
FPL category (DW)^b			
0-35%		Ref	
36-99%	-0.79	[-1.44, -0.14]	0.017
100%+	-0.99	[-1.61, -0.37]	0.002
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	0.88	[-0.11, 1.88]	0.082
S Central/SW/SE	0.86	[-0.18, 1.89]	0.105
Detroit Metro	0.01	[-1.08, 1.11]	0.980
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	1.71	[0.97, 2.45]	<0.001
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	5.24	[4.59, 5.89]	<0.001
Employed/self-employed (2018)			
No		Ref	
Yes	-2.34	[-3.13, -1.55]	<0.001
Caregiver (2018)			
No		Ref	
Yes	0.08	[-0.69, 0.86]	0.835

^aMixed effects glm regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

1.5 Number of days poor physical or mental health limited usual activities

1.5.1 Number of days poor physical or mental health limited usual activities (change 2016-2018), among all respondents and various subgroups

	2016			2017					2018				
	Mean	95% CI	N	Mean	95% CI	N	p-value ^a	p-value ^b	Mean	95% CI	N	p-value ^c	p-value ^d
HMP/Medicaid enrollment pattern (DW)													
Stayed on	5.8	[5.3, 6.3]	2,002	5.5	[5.0, 6.0]	2,002	0.364	Ref	5.4	[4.9, 5.9]	2,002	0.156	Ref
Off for 6+ months	2.7	[2.0, 3.5]	398	3.0	[2.1, 3.9]	398	0.610	0.389	2.6	[1.9, 3.3]	398	0.727	0.636
Churned off/on	4.2	[2.7, 5.7]	202	3.9	[2.7, 5.1]	202	0.652	0.933	3.3	[2.1, 4.5]	202	0.286	0.540
Age (DW)													
19-34	3.1	[2.5, 3.7]	733	3.3	[2.7, 3.9]	733	0.512	Ref	3.1	[2.5, 3.7]	733	0.887	Ref
35-50	6.2	[5.4, 7.0]	810	5.7	[4.9, 6.4]	810	0.208	0.162	5.9	[5.1, 6.8]	810	0.571	0.713
51-64	6.9	[6.0, 7.7]	1,059	6.6	[5.7, 7.4]	1,059	0.524	0.363	5.7	[5.0, 6.4]	1,059	0.005	0.037
Gender (DW)													
Male	5.3	[4.6, 6.0]	1,000	5.0	[4.3, 5.6]	1,000	0.304	Ref	4.5	[3.8, 5.1]	1,000	0.012	Ref
Female	5.0	[4.4, 5.5]	1,602	5.0	[4.5, 5.5]	1,602	0.902	0.370	5.0	[4.5, 5.6]	1,602	0.905	0.050
Race/ethnicity (2016)													
White, non-Hispanic	5.5	[4.9, 6.0]	1,741	5.1	[4.5, 5.6]	1,741	0.137	Ref	5.0	[4.5, 5.6]	1,741	0.123	Ref
Black, non-Hispanic	4.4	[3.6, 5.3]	536	4.5	[3.7, 5.3]	536	0.812	0.334	3.7	[3.0, 4.4]	536	0.081	0.603
Hispanic	4.7	[2.6, 6.8]	107	5.1	[3.2, 7.0]	107	0.544	0.323	4.6	[2.9, 6.3]	107	0.919	0.747
Other, non-Hispanic	5.4	[3.9, 7.0]	185	5.4	[3.8, 7.0]	185	0.882	0.563	6.0	[4.2, 7.8]	185	0.515	0.277
FPL category (DW)													
0-35%	6.3	[5.7, 6.9]	1,509	5.9	[5.4, 6.5]	1,509	0.265	Ref	5.9	[5.3, 6.5]	1,509	0.173	Ref
36-99%	3.5	[2.8, 4.2]	646	3.8	[3.0, 4.6]	646	0.394	0.174	3.2	[2.6, 3.9]	646	0.465	0.793
100%+	3.0	[2.2, 3.8]	447	2.7	[2.2, 3.3]	447	0.577	0.805	2.5	[1.7, 3.3]	447	0.411	0.994
Region (DW)													
UP/NW/NE	5.3	[4.3, 6.3]	487	5.0	[4.1, 6.0]	487	0.492	Ref	4.8	[3.8, 5.7]	487	0.173	Ref
W/E Central/E	5.5	[4.7, 6.2]	821	5.6	[4.8, 6.3]	821	0.700	0.442	5.4	[4.6, 6.1]	821	0.761	0.426
S Central/SW/SE	5.5	[4.5, 6.5]	526	4.8	[3.9, 5.7]	526	0.148	0.571	5.1	[4.2, 6.0]	526	0.435	0.723
Detroit Metro	4.7	[4.0, 5.5]	768	4.6	[3.9, 5.3]	768	0.788	0.711	4.2	[3.5, 4.9]	768	0.162	0.884
Chronic condition (2016, 2017, 2018)													
Yes	6.5	[5.9, 7.1]	1,735	6.4	[5.8, 6.9]	1,735	0.749	0.694	6.1	[5.5, 6.7]	1,735	0.235	0.886
No	3.0	[2.4, 3.6]	867	2.7	[2.2, 3.2]	867	0.376	Ref	2.6	[2.0, 3.1]	867	0.155	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	7.1	[6.5, 7.7]	1,685	6.6	[6.0, 7.2]	1,685	0.153	0.079	6.6	[6.0, 7.2]	1,685	0.147	0.654
No	1.8	[1.4, 2.2]	917	2.1	[1.6, 2.6]	917	0.291	Ref	1.5	[1.1, 1.9]	917	0.288	Ref
Employed/self-employed (2018)													
Yes	3.0	[2.5, 3.4]	1,468	2.7	[2.4, 3.1]	1,468	0.351	0.825	2.4	[2.0, 2.8]	1,468	0.016	0.417
No	8.3	[7.4, 9.1]	1,133	8.1	[7.4, 8.9]	1,133	0.813	Ref	8.1	[7.3, 8.9]	1,133	0.707	Ref

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	2016			2017					2018				
	Mean	95% CI	N	Mean	95% CI	N	p-value ^a	p-value ^b	Mean	95% CI	N	p-value ^c	p-value ^d
Caregiver (2018)													
Yes	4.6	[3.9, 5.4]	819	4.8	[4.1, 5.6]	819	0.515	0.196	4.8	[4.1, 5.5]	819	0.672	0.090
No	5.4	[4.8, 5.9]	1,772	5.0	[4.5, 5.5]	1,772	0.173	Ref	4.8	[4.2, 5.3]	1,772	0.019	Ref
Race/ethnicity, two groups (2016)													
White	5.6	[5.0, 6.2]	1,695	5.1	[4.6, 5.6]	1,695	0.104	Ref	5.0	[4.5, 5.6]	1,695	0.069	Ref
All racial/ethnic minorities	4.6	[3.9, 5.3]	874	4.7	[4.1, 5.4]	874	0.594	0.160	4.3	[3.7, 5.0]	874	0.525	0.491
Race/ethnicity, detailed (2016)													
White	5.6	[5.0, 6.2]	1,695	5.1	[4.6, 5.6]	1,695	0.104	Ref	5.0	[4.5, 5.6]	1,695	0.069	Ref
Black	4.4	[3.6, 5.3]	534	4.5	[3.7, 5.3]	534	0.813	0.296	3.7	[3.0, 4.5]	534	0.081	0.733
Hispanic	4.6	[2.5, 6.8]	105	5.0	[3.1, 6.9]	105	0.558	0.312	4.5	[2.8, 6.3]	105	0.909	0.695
Arab/Chaldean	2.8	[1.5, 4.0]	106	4.6	[2.6, 6.7]	106	0.123	0.065	5.0	[2.7, 7.3]	106	0.082	0.034
Other/more than one	7.0	[4.7, 9.4]	129	5.5	[3.6, 7.3]	129	0.190	0.395	6.4	[4.3, 8.5]	129	0.627	0.950
Total	5.1	[4.7, 5.6]	2,602	5.0	[4.6, 5.4]	2,602	0.470		4.8	[4.3, 5.2]	2,602	0.081	

^aMixed effects regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects regression, 2018 compared to 2016, comparing changes over time across subpopulations

1.5.2 Predictors of number of days poor physical or mental health limited usual activities (2016-2018), among all respondents

	Number of days poor physical or mental health limited usual activities (N=2,557)		
	Coef.	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	-0.19	[-0.63, 0.26]	0.410
2018	-0.55	[-1.02, -0.07]	0.024
HMP/Medicaid enrollment pattern (DW)			
Stayed on		Ref	
Off for 6+ months	-0.56	[-1.21, 0.10]	0.095
Churned off/on	-0.77	[-1.84, 0.30]	0.160
Age (DW)			
19-34		Ref	
35-50	1.74	[1.01, 2.47]	<0.001
51-64	1.38	[0.62, 2.14]	<0.001
Gender (DW)			
Male		Ref	
Female	0.18	[-0.44, 0.80]	0.562
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	-0.49	[-1.28, 0.30]	0.223
Hispanic	0.98	[-0.30, 2.26]	0.132
Other, non-Hispanic	1.50	[0.22, 2.78]	0.022
FPL category (DW)^b			
0-35%		Ref	
36-99%	-1.08	[-1.62, -0.54]	<0.001
100%+	-1.39	[-2.00, -0.78]	<0.001
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	0.25	[-0.65, 1.16]	0.586
S Central/SW/SE	0.08	[-0.91, 1.08]	0.869
Detroit Metro	-0.31	[-1.31, 0.69]	0.544
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	1.86	[1.25, 2.47]	<0.001
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	3.72	[3.19, 4.26]	<0.001
Employed/self-employed (2018)			
No		Ref	
Yes	-3.96	[-4.65, -3.27]	<0.001
Caregiver (2018)			
No		Ref	
Yes	-0.59	[-1.25, 0.07]	0.078

^aMixed effects glm regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

Aim 2: To describe perceptions and understanding of Medicaid coverage, HMP policies, and cost-sharing and how these change over time with enrollment.

2.1 Knowledge of HMP cost-sharing requirements and healthy behavior rewards

2.1.1 Knowledge you may get reduction by completing HRA (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Age (DW)													
19-34	29.1	[24.0, 34.7]	375	30.5	[25.3, 36.3]	361	0.790	Ref	33.1	[27.9, 38.8]	376	0.276	Ref
35-50	23.8	[19.4, 28.8]	477	22.0	[17.9, 26.9]	462	0.546	0.552	25.5	[21.1, 30.5]	478	0.556	0.693
51-64	29.6	[25.6, 34.0]	633	28.8	[24.7, 33.4]	630	0.739	0.692	32.6	[28.4, 37.1]	635	0.249	0.838
Gender (DW)													
Male	30.0	[25.6, 34.8]	554	30.3	[25.8, 35.2]	549	0.945	Ref	30.2	[25.7, 35.0]	557	0.958	Ref
Female	25.0	[21.6, 28.6]	931	24.0	[20.8, 27.5]	904	0.548	0.685	30.3	[26.8, 34.0]	932	0.024	0.149
Race/ethnicity (2016)													
White, non-Hispanic	30.3	[26.8, 33.9]	1,024	29.5	[26.2, 33.2]	1,004	0.692	Ref	34.2	[30.7, 37.9]	1,025	0.088	Ref
Black, non-Hispanic	23.4	[18.0, 29.8]	281	27.9	[21.8, 35.0]	270	0.242	0.223	23.6	[18.2, 30.1]	281	0.951	0.484
Hispanic	25.5	[13.5, 42.8]	57	19.9	[9.9, 36.1]	56	0.405	0.501	21.6	[12.3, 35.1]	57	0.657	0.438
Other, non-Hispanic	20.7	[12.7, 32.0]	108	15.1	[8.4, 25.7]	106	0.337	0.421	28.0	[18.7, 39.5]	109	0.271	0.555
FPL category (DW)													
0-35%	27.8	[24.0, 32.1]	727	26.6	[22.8, 30.9]	713	0.570	Ref	29.1	[25.2, 33.3]	731	0.631	Ref
36-99%	26.7	[21.6, 32.5]	431	25.8	[20.9, 31.3]	423	0.765	0.956	26.8	[22.0, 32.3]	431	0.970	0.808
100%+	26.8	[21.6, 32.7]	327	29.8	[24.1, 36.2]	317	0.451	0.347	38.4	[32.1, 45.1]	327	0.006	0.036
Region (DW)													
UP/NW/NE	31.4	[25.5, 38.0]	284	30.1	[24.2, 36.8]	276	0.722	Ref	41.9	[35.3, 48.8]	284	0.006	Ref
W/E Central/E	25.1	[21.0, 29.8]	489	27.4	[23.1, 32.2]	484	0.386	0.440	29.3	[24.9, 34.2]	491	0.147	0.254
S Central/SW/SE	32.1	[25.8, 39.0]	291	24.1	[18.5, 30.7]	284	0.059	0.273	34.4	[28.1, 41.2]	293	0.599	0.173
Detroit Metro	26.0	[21.3, 31.2]	421	27.3	[22.5, 32.6]	409	0.750	0.632	26.7	[22.1, 31.9]	421	0.808	0.072
Chronic condition (2016, 2017, 2018)													
Yes	27.8	[24.4, 31.4]	1,014	28.7	[25.2, 32.5]	995	0.729	0.325	30.5	[27.0, 34.2]	1,015	0.219	0.914
No	26.6	[22.1, 31.6]	471	24.0	[19.8, 28.9]	458	0.334	Ref	29.8	[25.1, 34.9]	474	0.332	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	28.2	[24.7, 31.9]	970	27.1	[23.6, 30.8]	949	0.563	0.511	30.2	[26.7, 33.9]	972	0.407	0.464
No	25.7	[21.3, 30.7]	515	26.9	[22.4, 31.9]	504	0.705	Ref	30.4	[25.8, 35.4]	517	0.120	Ref
Need help reading written materials (2016)													
Sometimes/Often/Always	25.3	[18.9, 33.1]	206	26.0	[19.2, 34.2]	201	0.915	0.827	24.1	[17.7, 31.9]	206	0.783	0.339
Never/Rarely	27.7	[24.7, 30.9]	1,277	27.2	[24.2, 30.4]	1,250	0.744	Ref	31.4	[28.4, 34.7]	1,281	0.065	Ref
Total	27.3	[24.6, 30.3]	1,485	27.0	[24.2, 30.0]	1,453	0.779		30.2	[27.4, 33.2]	1,489	0.118	

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

2.1.2 Predictors of knowledge you may get reduction by completing HRA (2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Knowledge you may get reduction by completing HRA (N=1,470)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	0.98	[0.76, 1.26]	0.894
2018	1.22	[0.95, 1.56]	0.116
Age (DW)			
19-34		Ref	
35-50	0.60	[0.42, 0.86]	0.005
51-64	0.86	[0.61, 1.21]	0.383
Gender (DW)			
Male		Ref	
Female	0.70	[0.53, 0.93]	0.013
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	0.66	[0.44, 0.99]	0.043
Hispanic	0.52	[0.24, 1.14]	0.102
Other, non-Hispanic	0.47	[0.26, 0.84]	0.011
FPL category (DW)^b			
0-35%		Ref	
36-99%	1.02	[0.78, 1.33]	0.904
100%+	1.57	[1.13, 2.16]	0.007
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	0.70	[0.49, 1.01]	0.055
S Central/SW/SE	0.92	[0.62, 1.38]	0.696
Detroit Metro	0.85	[0.56, 1.27]	0.419
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	1.29	[0.94, 1.76]	0.110
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	0.97	[0.72, 1.31]	0.853
Need help reading written materials (2016)			
Never/Rarely		Ref	
Sometimes/Often/Always	0.80	[0.53, 1.19]	0.261

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

2.1.3 Knowledge some visits, tests, and medicines have no copays (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017				2018					
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Age (DW)													
19-34	73.0	[67.3, 78.0]	375	75.2	[69.6, 80.0]	361	0.532	Ref	68.9	[63.1, 74.2]	376	0.236	Ref
35-50	77.4	[72.3, 81.8]	478	71.5	[66.3, 76.3]	462	0.053	0.076	71.8	[66.5, 76.6]	478	0.079	0.701
51-64	80.9	[76.6, 84.6]	633	69.9	[65.3, 74.2]	630	<0.001	0.002	74.9	[70.7, 78.8]	635	0.030	0.543
Gender (DW)													
Male	72.5	[67.6, 77.0]	554	68.7	[63.8, 73.2]	549	0.178	Ref	69.5	[64.6, 74.1]	557	0.324	Ref
Female	80.5	[77.0, 83.6]	932	75.8	[72.2, 79.1]	904	0.034	0.674	73.5	[69.7, 76.9]	932	0.002	0.210
Race/ethnicity (2016)													
White, non-Hispanic	79.7	[76.3, 82.7]	1,024	74.5	[71.0, 77.8]	1,004	0.013	Ref	73.8	[70.1, 77.2]	1,025	0.005	Ref
Black, non-Hispanic	74.2	[67.2, 80.1]	281	67.4	[60.4, 73.7]	270	0.106	0.888	68.8	[61.8, 75.1]	281	0.213	0.775
Hispanic	68.6	[51.9, 81.5]	57	63.1	[47.4, 76.4]	56	0.569	0.928	48.3	[33.5, 63.5]	57	0.031	0.174
Other, non-Hispanic	68.4	[56.7, 78.2]	109	74.4	[63.4, 83.0]	106	0.359	0.084	73.7	[62.5, 82.5]	109	0.465	0.116
FPL category (DW)													
0-35%	75.8	[71.5, 79.7]	728	75.0	[70.9, 78.7]	713	0.696	Ref	69.5	[65.0, 73.6]	731	0.020	Ref
36-99%	81.5	[76.3, 85.7]	431	67.8	[61.7, 73.3]	423	<0.001	0.003	75.9	[70.4, 80.7]	431	0.096	0.980
100%+	72.9	[66.2, 78.7]	327	71.5	[64.8, 77.4]	317	0.716	0.943	71.7	[65.0, 77.5]	327	0.760	0.280
Region (DW)													
UP/NW/NE	79.7	[73.4, 84.9]	284	74.5	[67.1, 80.7]	276	0.228	Ref	77.8	[70.8, 83.5]	284	0.665	Ref
W/E Central/E	82.3	[77.8, 86.1]	489	75.1	[70.3, 79.4]	484	0.009	0.618	72.1	[67.1, 76.7]	491	<0.001	0.120
S Central/SW/SE	76.9	[70.5, 82.3]	292	74.0	[67.4, 79.6]	284	0.450	0.689	75.8	[69.5, 81.2]	293	0.790	0.882
Detroit Metro	72.4	[67.0, 77.2]	421	69.6	[64.2, 74.4]	409	0.352	0.622	68.2	[62.8, 73.3]	421	0.205	0.765
Chronic condition (2016, 2017, 2018)													
Yes	78.2	[74.6, 81.4]	1,014	72.8	[69.2, 76.2]	995	0.013	0.456	73.5	[69.8, 76.9]	1,015	0.033	0.839
No	74.2	[68.9, 78.9]	472	71.6	[66.2, 76.5]	458	0.413	Ref	68.3	[62.8, 73.3]	474	0.081	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	80.0	[76.4, 83.1]	970	74.3	[70.7, 77.6]	949	0.007	0.223	75.5	[71.8, 78.8]	972	0.045	0.831
No	70.8	[65.4, 75.6]	516	68.9	[63.5, 73.8]	504	0.611	Ref	64.4	[58.9, 69.6]	517	0.056	Ref
Need help reading written materials (2016)													
Sometimes/Often/Always	72.1	[63.8, 79.1]	206	72.5	[64.5, 79.2]	201	0.938	0.258	65.9	[57.6, 73.3]	206	0.306	0.933
Never/Rarely	77.6	[74.4, 80.5]	1,278	72.4	[69.1, 75.4]	1,250	0.006	Ref	72.7	[69.4, 75.8]	1,281	0.009	Ref
Total	76.7	[73.8, 79.5]	1,486	72.4	[69.4, 75.2]	1,453	0.016		71.6	[68.5, 74.5]	1,489	0.006	

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

2.1.4 Predictors of knowledge some visits, tests, and medicines have no copays (2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Some visits, tests, and medicines have no copays (N=1,470)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	0.74	[0.57, 0.95]	0.016
2018	0.70	[0.54, 0.90]	0.005
Age (DW)			
19-34		Ref	
35-50	1.09	[0.78, 1.53]	0.594
51-64	1.09	[0.78, 1.53]	0.604
Gender (DW)			
Male		Ref	
Female	1.49	[1.14, 1.96]	0.004
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	0.84	[0.59, 1.21]	0.354
Hispanic	0.42	[0.22, 0.79]	0.007
Other, non-Hispanic	1.04	[0.62, 1.75]	0.881
FPL category (DW)^b			
0-35%		Ref	
36-99%	1.17	[0.88, 1.55]	0.270
100%+	1.15	[0.85, 1.56]	0.361
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	1.01	[0.69, 1.48]	0.964
S Central/SW/SE	0.93	[0.61, 1.40]	0.717
Detroit Metro	0.74	[0.48, 1.12]	0.154
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	1.20	[0.89, 1.61]	0.237
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	1.63	[1.22, 2.19]	0.001
Need help reading written materials (2016)			
Never/Rarely		Ref	
Sometimes/Often/Always	0.70	[0.51, 0.98]	0.036

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

2.1.5 Knowledge you can't be dropped for not paying (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Age (DW)													
19-34	14.8	[11.1, 19.5]	375	17.4	[13.3, 22.5]	361	0.320	Ref	15.3	[11.6, 19.9]	376	0.892	Ref
35-50	13.5	[10.2, 17.6]	478	18.8	[14.8, 23.6]	462	0.044	0.519	17.5	[13.7, 22.1]	478	0.118	0.326
51-64	15.0	[11.6, 19.1]	633	16.9	[13.7, 20.7]	630	0.432	0.830	16.8	[13.7, 20.4]	635	0.400	0.662
Gender (DW)													
Male	14.9	[11.7, 18.7]	554	17.2	[13.8, 21.3]	549	0.323	Ref	19.6	[15.9, 23.8]	557	0.054	Ref
Female	13.9	[11.2, 17.2]	932	18.3	[15.2, 21.8]	904	0.033	0.482	13.8	[11.3, 16.6]	932	0.975	0.141
Race/ethnicity (2016)													
White, non-Hispanic	13.2	[10.7, 16.1]	1,024	17.0	[14.3, 20.1]	1,004	0.039	Ref	16.9	[14.3, 19.8]	1,025	0.053	Ref
Black, non-Hispanic	16.9	[12.2, 22.9]	281	17.8	[12.8, 24.3]	270	0.811	0.420	13.2	[9.1, 18.7]	281	0.261	0.051
Hispanic	11.7	[4.6, 26.9]	57	20.4	[10.3, 36.4]	56	0.093	0.356	22.9	[12.3, 38.5]	57	0.040	0.177
Other, non-Hispanic	17.8	[10.9, 27.8]	109	21.8	[13.7, 32.7]	106	0.458	0.959	21.5	[13.5, 32.5]	109	0.514	0.919
FPL category (DW)													
0-35%	14.7	[11.8, 18.1]	728	19.6	[16.3, 23.5]	713	0.021	Ref	19.1	[15.8, 22.8]	731	0.032	Ref
36-99%	15.2	[11.2, 20.5]	431	15.0	[11.1, 20.0]	423	0.973	0.208	13.6	[10.0, 18.3]	431	0.595	0.117
100%+	12.3	[8.5, 17.4]	327	16.2	[11.7, 22.0]	317	0.193	0.946	13.2	[9.6, 17.9]	327	0.754	0.421
Region (DW)													
UP/NW/NE	11.2	[7.7, 16.0]	284	15.4	[11.1, 20.9]	276	0.145	Ref	21.2	[16.0, 27.6]	284	0.002	Ref
W/E Central/E	15.0	[11.7, 19.1]	489	18.4	[14.8, 22.8]	484	0.206	0.701	17.6	[14.1, 21.8]	491	0.293	0.051
S Central/SW/SE	14.8	[10.2, 20.9]	292	16.2	[11.7, 22.0]	284	0.684	0.508	15.0	[10.8, 20.5]	293	0.938	0.047
Detroit Metro	14.4	[10.9, 18.9]	421	18.5	[14.4, 23.3]	409	0.110	0.894	15.4	[11.8, 19.9]	421	0.676	0.029
Chronic condition (2016, 2017, 2018)													
Yes	15.6	[12.9, 18.8]	1,014	16.3	[13.6, 19.5]	995	0.733	0.016	15.3	[12.8, 18.3]	1,015	0.894	0.035
No	12.1	[9.0, 16.2]	472	20.4	[16.2, 25.2]	458	0.002	Ref	18.6	[14.7, 23.2]	474	0.016	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	13.6	[11.1, 16.6]	970	17.5	[14.7, 20.8]	949	0.039	0.607	16.9	[14.2, 20.0]	972	0.072	0.334
No	15.7	[12.0, 20.3]	516	18.2	[14.2, 23.0]	504	0.349	Ref	15.9	[12.3, 20.2]	517	0.955	Ref
Need help reading written materials (2016)													
Sometimes/Often/Always	16.7	[11.5, 23.5]	206	18.0	[12.5, 25.3]	201	0.643	0.592	15.7	[10.8, 22.3]	206	0.815	0.374
Never/Rarely	13.9	[11.6, 16.5]	1,278	17.7	[15.1, 20.6]	1,250	0.028	Ref	16.6	[14.2, 19.3]	1,281	0.092	Ref
Total	14.4	[12.2, 16.8]	1,486	17.8	[15.4, 20.4]	1,453	0.027		16.5	[14.3, 19.0]	1,489	0.154	

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

2.1.6 Predictors of knowledge you can't be dropped for not paying (2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Knowledge you can't get dropped for not paying (N=1,470)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	1.39	[1.03, 1.88]	0.034
2018	1.26	[0.93, 1.70]	0.131
Age (DW)			
19-34		Ref	
35-50	1.06	[0.71, 1.59]	0.775
51-64	1.10	[0.75, 1.62]	0.613
Gender (DW)			
Male		Ref	
Female	0.95	[0.69, 1.32]	0.774
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	1.02	[0.66, 1.57]	0.937
Hispanic	1.23	[0.46, 3.27]	0.684
Other, non-Hispanic	1.68	[0.95, 2.96]	0.074
FPL category (DW)^b			
0-35%		Ref	
36-99%	0.62	[0.45, 0.86]	0.005
100%+	0.52	[0.36, 0.74]	<0.001
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	1.08	[0.69, 1.69]	0.724
S Central/SW/SE	0.88	[0.53, 1.48]	0.637
Detroit Metro	0.89	[0.55, 1.44]	0.632
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	0.86	[0.61, 1.23]	0.409
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	0.91	[0.64, 1.29]	0.582
Need help reading written materials (2016)			
Never/Rarely		Ref	
Sometimes/Often/Always	1.04	[0.68, 1.59]	0.847

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

2.2 Experiences with MI Health Account

2.2.1 Received MIHA statement in the past year (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Age (DW)													
19-34	65.0	[59.1, 70.4]	376	75.7	[70.0, 80.6]	362	0.003	Ref	79.4	[74.1, 83.9]	376	<0.001	Ref
35-50	75.5	[70.5, 80.0]	478	80.6	[75.6, 84.7]	462	0.088	0.346	78.3	[73.4, 82.6]	478	0.328	0.011
51-64	82.4	[78.2, 85.9]	635	86.9	[82.9, 90.1]	630	0.066	0.462	86.2	[82.1, 89.5]	635	0.058	0.036
Gender (DW)													
Male	70.8	[65.8, 75.3]	557	78.0	[73.3, 82.1]	550	0.012	Ref	77.5	[72.8, 81.5]	557	0.014	Ref
Female	75.9	[72.2, 79.3]	932	82.9	[79.3, 85.9]	904	0.003	0.904	84.0	[80.6, 86.8]	932	<0.001	0.421
Race/ethnicity (2016)													
White, non-Hispanic	78.6	[75.1, 81.7]	1,025	83.8	[80.5, 86.6]	1,004	0.012	Ref	84.2	[81.0, 86.9]	1,025	0.002	Ref
Black, non-Hispanic	65.2	[58.2, 71.7]	281	76.5	[69.7, 82.2]	270	0.008	0.334	74.3	[67.5, 80.2]	281	0.030	0.725
Hispanic	76.0	[60.6, 86.7]	57	76.8	[60.2, 87.8]	56	0.978	0.601	77.4	[61.4, 88.1]	57	0.887	0.615
Other, non-Hispanic	60.5	[49.0, 70.9]	109	71.1	[59.3, 80.7]	107	0.130	0.647	79.0	[68.3, 86.8]	109	0.002	0.065
FPL category (DW)													
0-35%	70.9	[66.6, 75.0]	731	79.3	[75.1, 82.9]	714	0.002	Ref	79.4	[75.3, 82.9]	731	<0.001	Ref
36-99%	77.9	[72.4, 82.6]	431	80.5	[74.5, 85.3]	423	0.449	0.190	81.0	[75.4, 85.6]	431	0.310	0.240
100%+	74.7	[67.9, 80.4]	327	84.4	[79.1, 88.5]	317	0.011	0.609	85.1	[79.9, 89.2]	327	0.002	0.477
Region (DW)													
UP/NW/NE	76.9	[69.6, 82.8]	284	87.0	[81.1, 91.3]	276	0.008	Ref	84.5	[78.4, 89.2]	284	0.020	Ref
W/E Central/E	74.7	[69.6, 79.2]	491	83.1	[78.6, 86.8]	484	0.001	0.545	85.4	[80.9, 89.0]	491	<0.001	0.498
S Central/SW/SE	76.2	[69.5, 81.8]	293	85.9	[79.6, 90.5]	284	0.016	0.861	83.3	[77.4, 87.9]	293	0.042	0.841
Detroit Metro	70.9	[65.5, 75.7]	421	75.4	[70.0, 80.0]	410	0.206	0.108	76.2	[71.0, 80.7]	421	0.073	0.410
Chronic condition (2016, 2017, 2018)													
Yes	74.0	[70.2, 77.4]	1,015	81.8	[78.3, 84.8]	995	0.001	0.456	83.5	[80.3, 86.3]	1,015	<0.001	0.060
No	72.6	[67.4, 77.3]	474	78.4	[73.0, 82.9]	459	0.064	Ref	76.4	[71.0, 81.0]	474	0.204	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	70.9	[67.1, 74.5]	972	80.4	[76.9, 83.5]	950	<0.001	0.086	81.2	[77.7, 84.2]	972	<0.001	0.026
No	78.2	[73.3, 82.5]	517	80.8	[75.6, 85.1]	504	0.388	Ref	80.4	[75.4, 84.6]	517	0.435	Ref
Need help reading written materials (2016)													
Sometimes/Often/Always	60.3	[51.9, 68.1]	206	70.0	[61.7, 77.2]	201	0.088	0.926	71.8	[63.8, 78.6]	206	0.012	0.581
Never/Rarely	76.0	[72.8, 79.0]	1,281	82.5	[79.4, 85.2]	1,251	0.001	Ref	82.7	[79.7, 85.3]	1,281	<0.001	Ref
Housing instability (2018)													
Yes	65.0	[52.1, 76.0]	97	76.8	[64.8, 85.6]	95	0.106	0.569	81.2	[69.4, 89.2]	97	0.027	0.245
No	74.2	[71.1, 77.1]	1,392	80.9	[77.9, 83.5]	1,359	<0.001	Ref	80.9	[78.0, 83.5]	1,392	<0.001	Ref
Total	73.5	[70.5, 76.3]	1,489	80.5	[77.7, 83.1]	1,454	<0.001		80.9	[78.1, 83.4]	1,489	<0.001	

This survey item was asked differently on the 2016 survey compared to the 2017 and 2018 surveys. In 2016, the question was: "Have you received a bill or statement from the state that showed the services you received and how much you owe for the Healthy Michigan Plan? It's called your MI Health Account Statement." On the 2017 and 2018 surveys, the item wording was: "In the past year, have you received a statement from the state that showed the services you received through the Healthy Michigan Plan and how much you owe, if anything? It's called your MI Health Account Statement."

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

2.2.2 Predictors of received MIHA statement in the past year (2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Received MIHA statement in the past year (N=1,470)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	1.80	[1.33, 2.45]	<0.001
2018	1.93	[1.44, 2.58]	<0.001
Age (DW)			
19-34		Ref	
35-50	1.50	[0.99, 2.27]	0.058
51-64	2.41	[1.56, 3.74]	<0.001
Gender (DW)			
Male		Ref	
Female	1.52	[1.06, 2.17]	0.022
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	0.44	[0.28, 0.70]	<0.001
Hispanic	0.64	[0.29, 1.43]	0.279
Other, non-Hispanic	0.59	[0.32, 1.12]	0.106
FPL category (DW)^b			
0-35%		Ref	
36-99%	0.75	[0.52, 1.07]	0.107
100%+	1.49	[0.99, 2.23]	0.054
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	1.09	[0.65, 1.82]	0.740
S Central/SW/SE	1.29	[0.73, 2.29]	0.374
Detroit Metro	0.81	[0.48, 1.38]	0.441
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	1.45	[0.97, 2.17]	0.069
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	0.73	[0.49, 1.07]	0.107
Need help reading written materials (2016)			
Never/Rarely		Ref	
Sometimes/Often/Always	0.36	[0.23, 0.58]	<0.001
Housing instability (2018)			
No		Ref	
Yes	0.94	[0.53, 1.67]	0.821

This survey item was asked differently on the 2016 survey compared to the 2017 and 2018 surveys. In 2016, the question was: "Have you received a bill or statement from the state that showed the services you received and how much you owe for the Healthy Michigan Plan? It's called your MI Health Account Statement." On the 2017 and 2018 surveys, the item wording was: "In the past year, have you received a statement from the state that showed the services you received through the Healthy Michigan Plan and how much you owe, if anything? It's called your MI Health Account Statement."

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

2.2.3 Carefully review MIHA statement (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017				2018					
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Age (DW)													
19-34	89.2	[84.1, 92.8]	252	84.3	[78.8, 88.6]	285	0.153	Ref	86.6	[81.6, 90.3]	308	0.457	Ref
35-50	90.5	[86.2, 93.6]	368	85.6	[80.8, 89.3]	380	0.049	0.767	85.4	[80.7, 89.1]	382	0.043	0.385
51-64	93.6	[90.3, 95.8]	542	91.1	[87.6, 93.8]	562	0.165	0.978	91.0	[87.3, 93.8]	567	0.205	0.816
Gender (DW)													
Male	89.8	[85.7, 92.8]	419	86.2	[81.8, 89.7]	449	0.043	Ref	88.4	[84.3, 91.5]	448	0.422	Ref
Female	92.0	[89.2, 94.2]	743	87.3	[84.0, 90.1]	778	0.024	0.888	86.7	[83.3, 89.5]	809	0.013	0.246
Race/ethnicity (2016)													
White, non-Hispanic	92.2	[89.7, 94.1]	840	88.1	[85.0, 90.6]	871	0.010	Ref	90.5	[87.8, 92.7]	892	0.320	Ref
Black, non-Hispanic	88.5	[81.5, 93.0]	194	82.1	[74.8, 87.7]	215	0.096	0.841	83.0	[76.2, 88.2]	219	0.138	0.449
Hispanic	92.0	[69.7, 98.3]	44	82.7	[66.6, 92.0]	44	0.275	0.465	78.1	[62.1, 88.6]	45	0.168	0.176
Other, non-Hispanic	87.8	[76.1, 94.2]	70	90.3	[80.7, 95.3]	81	0.699	0.245	81.1	[69.2, 89.1]	87	0.269	0.513
FPL category (DW)													
0-35%	90.5	[86.8, 93.2]	556	86.4	[82.5, 89.6]	597	0.058	Ref	89.3	[85.9, 91.9]	610	0.729	Ref
36-99%	91.4	[86.9, 94.4]	344	88.7	[83.8, 92.2]	363	0.223	0.807	88.0	[82.6, 91.9]	368	0.126	0.309
100%+	92.0	[86.9, 95.2]	262	85.4	[78.8, 90.1]	267	0.053	0.435	81.9	[75.2, 87.0]	279	0.012	0.028
Region (DW)													
UP/NW/NE	90.1	[84.1, 94.0]	232	89.2	[83.1, 93.2]	245	0.707	Ref	89.4	[83.7, 93.3]	246	0.847	Ref
W/E Central/E	93.8	[90.5, 96.0]	388	85.4	[80.4, 89.3]	408	0.002	0.082	89.2	[85.4, 92.2]	432	0.081	0.398
S Central/SW/SE	91.6	[86.9, 94.7]	237	87.3	[81.6, 91.4]	252	0.170	0.490	88.3	[82.5, 92.3]	249	0.272	0.574
Detroit Metro	89.0	[84.2, 92.5]	305	87.0	[82.1, 90.8]	322	0.358	0.827	85.4	[80.3, 89.3]	330	0.077	0.459
Chronic condition (2016, 2017, 2018)													
Yes	91.5	[88.7, 93.6]	807	86.8	[83.5, 89.5]	844	0.009	0.834	87.1	[83.9, 89.7]	870	0.020	0.601
No	90.2	[85.5, 93.5]	355	86.8	[82.0, 90.5]	383	0.139	Ref	88.2	[83.4, 91.7]	387	0.326	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	90.4	[87.5, 92.7]	745	86.5	[83.1, 89.2]	797	0.038	0.577	85.5	[82.2, 88.3]	820	0.017	0.479
No	92.0	[87.6, 94.9]	417	87.4	[82.7, 91.0]	430	0.039	Ref	91.1	[86.7, 94.1]	437	0.474	Ref
Need help reading written materials (2016)													
Sometimes/Often/Always	88.3	[78.7, 93.9]	132	81.9	[72.6, 88.5]	146	0.111	0.748	87.8	[80.7, 92.6]	153	0.907	0.339
Never/Rarely	91.4	[89.0, 93.3]	1,029	87.6	[84.8, 89.9]	1,079	0.011	Ref	87.5	[84.7, 89.8]	1,103	0.013	Ref
Total	91.0	[88.7, 92.9]	1,162	86.8	[84.2, 89.1]	1,227	0.004		87.5	[84.9, 89.6]	1,257	0.017	

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

2.2.4 Predictors of carefully review MIHA statement (2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Carefully review MIHA statement (N=1,386)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	0.56	[0.38, 0.83]	0.004
2018	0.64	[0.44, 0.93]	0.020
Age (DW)			
19-34		Ref	
35-50	0.98	[0.59, 1.63]	0.951
51-64	1.82	[1.06, 3.12]	0.030
Gender (DW)			
Male		Ref	
Female	1.02	[0.65, 1.59]	0.941
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	0.47	[0.26, 0.83]	0.009
Hispanic	0.46	[0.19, 1.13]	0.089
Other, non-Hispanic	0.67	[0.30, 1.48]	0.321
FPL category (DW)^b			
0-35%		Ref	
36-99%	0.96	[0.60, 1.53]	0.857
100%+	0.68	[0.43, 1.09]	0.110
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	1.10	[0.61, 1.99]	0.744
S Central/SW/SE	1.15	[0.61, 2.19]	0.659
Detroit Metro	1.04	[0.53, 2.06]	0.906
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	0.98	[0.62, 1.55]	0.926
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	0.61	[0.38, 0.99]	0.043
Need help reading written materials (2016)			
Never/Rarely		Ref	
Sometimes/Often/Always	0.79	[0.43, 1.45]	0.439

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

2.2.5 MIHA statements help me be aware of health care costs (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Age (DW)													
19-34	91.7	[86.9, 94.8]	252	82.9	[77.3, 87.3]	285	0.009	Ref	87.0	[82.1, 90.8]	308	0.101	Ref
35-50	87.0	[82.3, 90.6]	368	83.5	[78.6, 87.5]	380	0.262	0.145	86.7	[82.3, 90.1]	382	0.903	0.171
51-64	90.8	[87.7, 93.2]	542	86.9	[83.0, 90.0]	562	0.060	0.233	84.9	[80.4, 88.5]	567	0.016	0.818
Gender (DW)													
Male	89.6	[85.5, 92.6]	419	84.2	[79.7, 87.9]	449	0.035	Ref	84.8	[80.3, 88.5]	448	0.063	Ref
Female	89.8	[86.8, 92.1]	743	84.4	[80.9, 87.3]	778	0.015	0.824	87.5	[84.5, 90.0]	809	0.369	0.411
Race/ethnicity (2016)													
White, non-Hispanic	89.9	[87.2, 92.0]	840	86.4	[83.4, 88.9]	871	0.047	Ref	85.9	[82.7, 88.6]	892	0.055	Ref
Black, non-Hispanic	88.3	[81.5, 92.8]	194	83.2	[76.3, 88.4]	215	0.199	0.776	87.1	[81.4, 91.3]	219	0.856	0.478
Hispanic	94.9	[83.7, 98.5]	44	81.8	[63.4, 92.1]	44	0.116	0.208	87.4	[74.6, 94.3]	45	0.263	0.446
Other, non-Hispanic	87.3	[74.0, 94.4]	70	74.7	[61.4, 84.5]	81	0.210	0.426	84.5	[72.3, 91.9]	87	0.711	0.831
FPL category (DW)													
0-35%	89.6	[85.9, 92.3]	556	85.4	[81.5, 88.6]	597	0.095	Ref	88.0	[84.4, 90.8]	610	0.603	Ref
36-99%	91.4	[87.3, 94.3]	344	86.8	[82.2, 90.3]	363	0.058	0.734	85.8	[80.9, 89.6]	368	0.016	0.158
100%+	87.6	[81.9, 91.6]	262	78.0	[70.8, 83.8]	267	0.014	0.391	82.3	[75.5, 87.5]	279	0.263	0.473
Region (DW)													
UP/NW/NE	86.6	[80.7, 90.9]	232	83.1	[76.7, 87.9]	245	0.413	Ref	86.0	[80.0, 90.4]	246	0.969	Ref
W/E Central/E	90.9	[87.1, 93.6]	388	83.8	[78.8, 87.8]	408	0.007	0.212	86.6	[82.1, 90.0]	432	0.171	0.397
S Central/SW/SE	90.5	[85.6, 93.8]	237	82.9	[76.8, 87.7]	252	0.040	0.279	86.3	[80.4, 90.6]	249	0.198	0.358
Detroit Metro	89.2	[84.5, 92.6]	305	85.6	[80.6, 89.5]	322	0.223	0.758	86.1	[81.3, 89.9]	330	0.286	0.503
Chronic condition (2016, 2017, 2018)													
Yes	89.7	[86.8, 92.1]	807	84.7	[81.4, 87.6]	844	0.013	0.817	87.3	[84.4, 89.8]	870	0.283	0.398
No	89.6	[85.3, 92.8]	355	83.5	[78.5, 87.6]	383	0.043	Ref	84.3	[79.2, 88.4]	387	0.066	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	90.4	[87.6, 92.6]	745	84.2	[80.6, 87.2]	797	0.003	0.480	84.7	[81.3, 87.6]	820	0.010	0.040
No	88.5	[83.9, 91.9]	417	84.5	[80.1, 88.2]	430	0.142	Ref	89.2	[85.2, 92.2]	437	0.594	Ref
Need help reading written materials (2016)													
Sometimes/Often/Always	88.7	[79.8, 94.0]	132	84.0	[74.9, 90.2]	146	0.290	0.992	86.4	[78.4, 91.7]	153	0.785	0.652
Never/Rarely	89.8	[87.4, 91.9]	1,029	84.3	[81.5, 86.9]	1,079	0.003	Ref	86.3	[83.5, 88.7]	1,103	0.048	Ref
Total	89.7	[87.3, 91.7]	1,162	84.3	[81.6, 86.7]	1,227	0.001		86.3	[83.7, 88.5]	1,257	0.050	

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

2.2.6 Predictors of MIHA statements help me be aware of health care costs (2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	MIHA statements help me be aware of health care costs (N=1,386)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	0.55	[0.37, 0.81]	0.003
2018	0.72	[0.50, 1.03]	0.071
Age (DW)			
19-34		Ref	
35-50	0.74	[0.46, 1.18]	0.204
51-64	0.87	[0.55, 1.39]	0.565
Gender (DW)			
Male		Ref	
Female	1.18	[0.81, 1.73]	0.391
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	0.74	[0.45, 1.22]	0.243
Hispanic	1.05	[0.43, 2.54]	0.913
Other, non-Hispanic	0.59	[0.28, 1.25]	0.171
FPL category (DW)^b			
0-35%		Ref	
36-99%	0.60	[0.40, 0.89]	0.011
100%+	0.59	[0.38, 0.91]	0.018
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	1.20	[0.71, 2.03]	0.489
S Central/SW/SE	1.29	[0.73, 2.29]	0.381
Detroit Metro	1.28	[0.72, 2.27]	0.393
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	1.21	[0.81, 1.82]	0.345
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	0.76	[0.50, 1.15]	0.191
Need help reading written materials (2016)			
Never/Rarely		Ref	
Sometimes/Often/Always	1.01	[0.58, 1.76]	0.971

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

2.2.7 MIHA statements led me to change health care decisions (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Age (DW)													
19-34	32.5	[26.1, 39.6]	252	30.1	[24.3, 36.6]	284	0.593	Ref	42.8	[36.5, 49.3]	308	0.015	Ref
35-50	32.5	[27.0, 38.6]	368	29.5	[24.3, 35.4]	380	0.515	0.980	39.9	[34.1, 46.0]	382	0.049	0.661
51-64	26.1	[21.7, 31.1]	541	35.1	[30.2, 40.3]	561	0.003	0.025	32.2	[27.6, 37.2]	567	0.056	0.518
Gender (DW)													
Male	35.6	[30.2, 41.4]	418	33.6	[28.5, 39.0]	448	0.650	Ref	44.3	[38.7, 50.0]	448	0.018	Ref
Female	26.3	[22.4, 30.7]	743	29.5	[25.6, 33.8]	777	0.174	0.226	34.1	[30.0, 38.4]	809	0.003	0.956
Race/ethnicity (2016)													
White, non-Hispanic	26.0	[22.4, 29.9]	839	28.9	[25.3, 32.8]	870	0.144	Ref	34.5	[30.7, 38.5]	892	0.001	Ref
Black, non-Hispanic	38.2	[30.2, 46.9]	194	35.0	[27.7, 43.0]	215	0.290	0.114	41.8	[34.1, 49.8]	219	0.527	0.293
Hispanic	42.3	[26.1, 60.4]	44	37.0	[22.5, 54.3]	44	0.748	0.560	53.4	[36.4, 69.6]	45	0.260	0.675
Other, non-Hispanic	42.4	[29.0, 57.0]	70	38.2	[26.3, 51.7]	80	0.798	0.454	53.7	[41.2, 65.7]	87	0.180	0.931
FPL category (DW)													
0-35%	30.1	[25.4, 35.2]	555	30.0	[25.6, 34.8]	595	0.860	Ref	39.0	[34.2, 44.0]	610	0.003	Ref
36-99%	30.5	[24.6, 37.2]	344	34.4	[28.5, 40.9]	363	0.361	0.538	39.0	[32.8, 45.5]	368	0.085	0.725
100%+	31.9	[25.3, 39.4]	262	31.1	[24.6, 38.5]	267	0.978	0.928	37.6	[30.7, 45.0]	279	0.159	0.575
Region (DW)													
UP/NW/NE	26.3	[20.2, 33.4]	231	31.1	[24.4, 38.6]	245	0.309	Ref	37.6	[30.6, 45.1]	246	0.013	Ref
W/E Central/E	24.8	[20.1, 30.1]	388	29.2	[24.2, 34.6]	407	0.152	0.939	36.6	[31.4, 42.1]	432	<0.001	0.873
S Central/SW/SE	32.9	[26.0, 40.6]	237	35.3	[28.6, 42.8]	252	0.555	0.777	38.6	[31.5, 46.2]	249	0.244	0.381
Detroit Metro	34.4	[28.5, 40.9]	305	31.3	[25.7, 37.5]	321	0.495	0.214	40.6	[34.5, 47.0]	330	0.117	0.358
Chronic condition (2016, 2017, 2018)													
Yes	31.2	[27.2, 35.5]	807	31.8	[27.9, 35.9]	844	0.762	0.786	37.1	[33.1, 41.4]	870	0.016	0.278
No	29.4	[23.9, 35.7]	354	30.7	[25.4, 36.6]	381	0.582	Ref	41.7	[35.8, 47.9]	387	0.004	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	29.3	[25.3, 33.7]	745	30.7	[26.9, 34.9]	795	0.480	0.706	37.9	[33.8, 42.2]	820	0.001	0.794
No	32.7	[27.1, 38.7]	416	32.6	[27.2, 38.5]	430	0.950	Ref	40.2	[34.4, 46.3]	437	0.047	Ref
Need help reading written materials (2016)													
Sometimes/Often/Always	42.9	[33.0, 53.4]	132	41.8	[32.4, 51.8]	146	0.982	0.817	47.2	[37.7, 56.9]	153	0.443	0.534
Never/Rarely	28.7	[25.3, 32.4]	1,028	29.7	[26.4, 33.2]	1,077	0.570	Ref	37.3	[33.8, 41.1]	1,103	<0.001	Ref
Total	30.6	[27.2, 34.1]	1,161	31.4	[28.2, 34.8]	1,225	0.562		38.7	[35.3, 42.2]	1,257	<0.001	

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

2.2.8 Predictors of MIHA statements led me to change health care decisions (2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	MIHA statements led me to change health care decisions (N=1,386)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	1.05	[0.81, 1.36]	0.708
2018	1.65	[1.26, 2.18]	<0.001
Age (DW)			
19-34		Ref	
35-50	0.89	[0.61, 1.29]	0.534
51-64	0.84	[0.58, 1.23]	0.377
Gender (DW)			
Male		Ref	
Female	0.62	[0.46, 0.84]	0.002
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	1.78	[1.16, 2.72]	0.008
Hispanic	2.21	[1.14, 4.30]	0.019
Other, non-Hispanic	2.01	[1.10, 3.66]	0.023
FPL category (DW)^b			
0-35%		Ref	
36-99%	1.06	[0.78, 1.44]	0.716
100%+	0.91	[0.63, 1.29]	0.584
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	0.80	[0.53, 1.20]	0.277
S Central/SW/SE	1.09	[0.70, 1.71]	0.700
Detroit Metro	0.84	[0.54, 1.33]	0.461
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	0.91	[0.65, 1.28]	0.600
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	0.86	[0.63, 1.18]	0.345
Need help reading written materials (2016)			
Never/Rarely		Ref	
Sometimes/Often/Always	1.91	[1.24, 2.94]	0.003

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

2.3 Knowledge of HMP covered benefits

2.3.1 Knowledge of HMP covered benefits (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017			p-value ^a	2018			p-value ^b
	Col %	95% CI	N	Col %	95% CI	N		Col %	95% CI	N	
Knowledge that eyeglasses are covered											
Yes	61.9	[58.7, 65.0]	971	70.9	[67.9, 73.8]	1,046	<0.001	68.7	[65.6, 71.7]	1,064	<0.001
No	7.4	[5.8, 9.3]	104	7.2	[5.7, 9.1]	99		8.0	[6.4, 9.9]	118	
Don't know	30.7	[27.8, 33.9]	412	21.9	[19.3, 24.7]	309		23.3	[20.6, 26.2]	306	
Knowledge that prescription medications are covered^c											
Yes	-	-	-	95.0	[93.2, 96.4]	1,400	-	95.8	[94.2, 96.9]	1,434	0.416
No	-	-	-	1.0	[0.5, 2.1]	8		1.0	[0.6, 2.0]	14	
Don't know	-	-	-	4.0	[2.8, 5.6]	46		3.2	[2.2, 4.6]	41	
Knowledge that routine dental care is covered											
Yes	77.8	[75.0, 80.3]	1,161	82.4	[79.7, 84.7]	1,206	0.001	82.8	[80.2, 85.1]	1,232	0.001
No	3.4	[2.5, 4.7]	56	4.2	[3.0, 5.8]	59		5.8	[4.4, 7.5]	85	
Don't know	18.8	[16.4, 21.5]	270	13.5	[11.4, 15.8]	189		11.4	[9.6, 13.6]	172	
Knowledge that treatment to stop smoking is covered^c											
Yes	-	-	-	39.4	[36.3, 42.5]	603	-	43.1	[40.0, 46.3]	686	0.019
No	-	-	-	4.3	[3.2, 5.8]	60		4.6	[3.4, 6.3]	54	
Don't know	-	-	-	56.4	[53.1, 59.5]	789		52.2	[49.0, 55.4]	749	
Knowledge that birth control/family planning is covered^c											
Yes	-	-	-	47.1	[43.9, 50.3]	699	-	50.3	[47.1, 53.5]	765	0.097
No	-	-	-	3.8	[2.7, 5.5]	44		3.4	[2.4, 4.9]	42	
Don't know	-	-	-	49.1	[45.8, 52.3]	711		46.2	[43.1, 49.4]	679	
Knowledge that mental health counseling is covered											
Yes	56.2	[53.0, 59.3]	854	59.4	[56.2, 62.5]	883	0.074	61.5	[58.3, 64.6]	945	0.004
No	3.5	[2.4, 5.2]	37	4.5	[3.2, 6.3]	46		2.5	[1.6, 3.8]	28	
Don't know	40.3	[37.2, 43.5]	596	36.1	[33.1, 39.3]	525		36.0	[33.0, 39.2]	515	
Knowledge that substance use treatment is covered^c											
Yes	-	-	-	41.1	[38.0, 44.3]	617	-	44.0	[40.9, 47.2]	692	0.094
No	-	-	-	4.6	[3.4, 6.3]	55		3.6	[2.6, 5.1]	47	
Don't know	-	-	-	54.2	[51.0, 57.4]	782		52.3	[49.1, 55.5]	750	

^aMixed effects logistic regression predicting correct ("yes") response, 2017 compared to 2016, unadjusted

^bMixed effects logistic regression predicting correct ("yes") response, 2018 compared to 2016, unadjusted

^cQuestion was not asked in 2016

2.4 Questions or problems using HMP

2.4.1 Questions or problems using HMP (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Age (DW)													
19-34	18.7	[14.6, 23.6]	376	9.3	[6.5, 13.0]	362	<0.001	Ref	9.8	[6.8, 13.9]	373	0.002	Ref
35-50	12.8	[9.7, 16.8]	477	8.3	[5.8, 11.7]	458	0.021	0.263	8.9	[6.4, 12.3]	477	0.076	0.284
51-64	14.3	[11.3, 17.9]	635	10.9	[8.2, 14.2]	627	0.118	0.093	10.7	[8.0, 14.1]	631	0.098	0.169
Gender (DW)													
Male	16.1	[12.7, 20.2]	556	8.6	[6.2, 11.8]	548	<0.001	Ref	8.8	[6.3, 12.1]	557	0.002	Ref
Female	14.8	[12.2, 17.8]	932	10.0	[8.0, 12.5]	899	0.004	0.277	10.6	[8.4, 13.2]	924	0.019	0.254
Race/ethnicity (2016)													
White, non-Hispanic	15.5	[12.9, 18.5]	1,024	9.9	[7.9, 12.3]	1,000	0.001	Ref	10.3	[8.2, 12.8]	1,021	0.003	Ref
Black, non-Hispanic	12.2	[8.5, 17.3]	281	6.7	[3.9, 11.2]	267	0.031	0.698	7.3	[4.4, 11.7]	280	0.081	0.784
Hispanic	16.5	[7.7, 32.0]	57	11.5	[5.5, 22.6]	56	0.343	0.884	5.8	[2.2, 14.4]	56	0.035	0.238
Other, non-Hispanic	20.9	[13.3, 31.3]	109	8.7	[4.5, 16.1]	107	0.023	0.264	13.6	[7.7, 23.0]	107	0.204	0.893
FPL category (DW)													
0-35%	14.5	[11.6, 17.9]	730	9.2	[6.9, 12.1]	709	0.004	Ref	9.9	[7.5, 12.8]	725	0.017	Ref
36-99%	16.9	[12.9, 21.9]	431	8.2	[5.6, 11.9]	422	0.001	0.322	8.7	[5.9, 12.6]	429	0.005	0.321
100%+	16.0	[11.7, 21.5]	327	11.4	[8.2, 15.8]	316	0.120	0.632	10.8	[7.4, 15.5]	327	0.102	0.954
Region (DW)													
UP/NW/NE	12.9	[9.0, 18.3]	283	13.0	[9.2, 18.1]	275	0.984	Ref	10.2	[6.3, 16.2]	283	0.451	Ref
W/E Central/E	18.6	[14.6, 23.3]	491	10.6	[7.7, 14.4]	482	0.001	0.049	9.4	[6.6, 13.1]	490	0.001	0.177
S Central/SW/SE	17.8	[13.4, 23.3]	293	9.3	[6.2, 13.6]	283	0.004	0.041	12.6	[8.7, 17.8]	291	0.101	0.681
Detroit Metro	12.8	[9.5, 17.0]	421	7.8	[5.3, 11.2]	407	0.020	0.122	8.7	[6.1, 12.1]	417	0.071	0.665
Chronic condition (2016, 2017, 2018)													
Yes	16.0	[13.3, 19.1]	1,014	10.2	[8.1, 12.7]	990	<0.001	0.605	9.8	[7.8, 12.4]	1,010	0.001	0.717
No	14.4	[11.0, 18.6]	474	7.9	[5.5, 11.1]	457	0.005	Ref	9.6	[6.9, 13.2]	471	0.042	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	16.7	[14.0, 19.8]	972	11.1	[8.8, 13.7]	948	0.001	0.263	10.5	[8.3, 13.2]	967	0.001	0.857
No	13.0	[9.7, 17.1]	516	6.2	[4.3, 8.8]	499	0.001	Ref	8.3	[5.9, 11.6]	514	0.049	Ref
Need help reading written materials (2016)													
Sometimes/Often/Always	18.7	[13.0, 26.1]	205	10.6	[6.3, 17.3]	201	0.046	0.721	14.1	[9.2, 20.9]	203	0.249	0.526
Never/Rarely	14.8	[12.5, 17.4]	1,281	9.1	[7.4, 11.1]	1,244	<0.001	Ref	8.9	[7.2, 11.0]	1,276	<0.001	Ref
Total	15.4	[13.3, 17.8]	1,488	9.3	[7.7, 11.3]	1,447	<0.001		9.7	[8.0, 11.7]	1,481	<0.001	

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

Aim 3: To understand financial and non-financial barriers and facilitators to care and how those change over time of enrollment and disenrollment.

3.1 Forgone health care

3.1.1 Forgone health care in the last 12 months/since HMP coverage ended (change 2017-2018), among all respondents

	2017			2018			p-value ^a	p-value ^b
	Row %	95% CI	N	Row %	95% CI	N		
HMP/Medicaid enrollment pattern (DW)								
Stayed on	8.4	[7.0, 10.2]	2,001	8.3	[6.9, 10.0]	1,998	0.891	Ref
Off for 6+ months	10.0	[7.1, 13.8]	397	20.8	[16.3, 26.1]	396	<0.001	<0.001
Churned off/on	18.7	[12.8, 26.5]	201	14.2	[9.4, 20.9]	202	0.339	0.394
Age (DW)								
19-34	9.4	[7.1, 12.2]	731	10.9	[8.5, 13.8]	730	0.320	Ref
35-50	10.3	[8.0, 13.1]	810	11.8	[9.3, 14.7]	809	0.381	0.933
51-64	9.3	[7.3, 11.9]	1,058	9.7	[7.6, 12.4]	1,057	0.818	0.578
Gender (DW)								
Male	9.4	[7.4, 11.8]	999	10.3	[8.1, 12.9]	997	0.530	Ref
Female	10.0	[8.2, 12.1]	1,600	11.5	[9.7, 13.6]	1,599	0.210	0.786
Race/ethnicity (2016)								
White, non-Hispanic	10.8	[9.0, 12.9]	1,738	11.4	[9.6, 13.5]	1,739	0.565	Ref
Black, non-Hispanic	8.1	[5.7, 11.4]	536	8.7	[6.3, 12.1]	535	0.699	0.940
Hispanic	6.3	[2.5, 15.1]	107	8.7	[3.9, 18.3]	106	0.606	0.687
Other, non-Hispanic	9.4	[5.5, 15.5]	185	14.8	[9.4, 22.4]	183	0.170	0.257
FPL category (DW)								
0-35%	10.5	[8.7, 12.6]	1,508	12.1	[10.2, 14.4]	1,506	0.186	Ref
36-99%	6.8	[4.8, 9.6]	645	9.2	[6.8, 12.2]	644	0.195	0.589
100%+	10.5	[7.2, 15.0]	446	8.4	[5.7, 12.2]	446	0.355	0.162
Region (DW)								
UP/NW/NE	10.0	[7.3, 13.6]	487	9.0	[6.4, 12.4]	487	0.532	Ref
W/E Central/E	8.3	[6.3, 10.9]	820	10.0	[7.7, 13.0]	817	0.271	0.222
S Central/SW/SE	11.4	[8.5, 15.2]	525	13.1	[10.0, 17.1]	525	0.460	0.331
Detroit Metro	9.8	[7.5, 12.6]	767	10.9	[8.6, 13.8]	767	0.462	0.336
Chronic condition (2016, 2017, 2018)								
Yes	11.7	[9.8, 13.8]	1,734	12.4	[10.5, 14.6]	1,729	0.554	0.358
No	6.5	[4.7, 8.7]	865	8.5	[6.4, 11.1]	867	0.163	Ref
MH/SUD (2016, 2017, 2018 or DW)								
Yes	12.7	[10.8, 14.9]	1,684	12.6	[10.7, 14.7]	1,682	0.898	0.007
No	4.4	[3.0, 6.3]	915	8.0	[6.0, 10.7]	914	0.003	Ref
Health insurance type (2018 or DW)								
HMP/Medicaid	9.7	[8.2, 11.5]	2,079	7.5	[6.2, 9.2]	2,077	0.029	Ref
Other insurance	9.5	[6.5, 13.5]	343	13.6	[9.8, 18.4]	342	0.051	0.006
Uninsured	10.3	[5.9, 17.3]	167	40.8	[32.3, 49.9]	167	<0.001	<0.001
Need help reading written materials (2016)								
Sometimes/Often/Always	12.8	[9.0, 17.9]	363	13.2	[9.4, 18.4]	362	0.865	0.657
Never/Rarely	9.1	[7.7, 10.8]	2,233	10.5	[9.0, 12.2]	2,231	0.175	Ref
Race/ethnicity, two groups (2016)								
White	11.0	[9.2, 13.2]	1,692	11.3	[9.5, 13.5]	1,693	0.798	Ref
All racial/ethnic minorities	7.9	[6.0, 10.4]	874	10.3	[8.1, 13.1]	870	0.119	0.243
Race/ethnicity, detailed (2016)								
White	11.0	[9.2, 13.2]	1,692	11.3	[9.5, 13.5]	1,693	0.798	Ref
Black	8.1	[5.7, 11.4]	534	8.8	[6.3, 12.1]	533	0.699	0.824
Hispanic	5.9	[2.2, 15.0]	105	8.8	[4.0, 18.4]	104	0.550	0.587
Arab/Chaldean	9.1	[4.3, 18.5]	106	12.1	[6.2, 22.1]	105	0.532	0.579
Other/more than one	7.6	[4.2, 13.5]	129	16.8	[10.0, 26.7]	128	0.051	0.068
Young adults (2016)								
Age 19-25	8.7	[5.6, 13.5]	283	11.8	[8.1, 16.8]	283	0.292	0.468
Age 26-64	9.9	[8.4, 11.5]	2,316	10.7	[9.2, 12.5]	2,313	0.381	Ref
Total	9.7	[8.3, 11.2]	2,599	10.9	[9.5, 12.5]	2,596	0.192	

^aMixed effects logistic regression, 2018 compared to 2017, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2018 compared to 2017, comparing changes over time across subpopulations

3.1.2 Predictors of forgone health care in the last 12 months/since HMP coverage ended (2017-2018), among all respondents

	Forgone health care in the last 12 months/since HMP coverage ended (N=2,566)		
	aOR	95% CI	p-value ^a
Survey year			
2017		Ref	
2018	1.04	[0.78, 1.40]	0.777
HMP/Medicaid enrollment pattern (DW)			
Stayed on		Ref	
Off for 6+ months	1.00	[0.55, 1.81]	0.993
Churned off/on	1.82	[1.03, 3.24]	0.041
Age (DW)			
19-34		Ref	
35-50	1.08	[0.68, 1.71]	0.735
51-64	0.97	[0.60, 1.54]	0.883
Gender (DW)			
Male		Ref	
Female	1.30	[0.89, 1.92]	0.174
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	0.58	[0.34, 0.98]	0.042
Hispanic	0.65	[0.26, 1.61]	0.356
Other, non-Hispanic	1.29	[0.67, 2.45]	0.445
FPL category (DW)^b			
0-35%		Ref	
36-99%	0.55	[0.36, 0.84]	0.006
100%+	0.76	[0.49, 1.19]	0.230
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	0.95	[0.55, 1.63]	0.854
S Central/SW/SE	1.48	[0.84, 2.61]	0.173
Detroit Metro	1.46	[0.83, 2.59]	0.189
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	2.24	[1.45, 3.45]	<0.001
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	3.26	[2.06, 5.15]	<0.001
Health insurance type (2017-2018 or DW)^b			
HMP/Medicaid (DW)		Ref	
Other insurance (2017-2018)	3.32	[1.75, 6.28]	<0.001
Uninsured (2017-2018)	21.13	[10.45, 42.73]	<0.001
Need help reading written materials (2016)			
Never/Rarely		Ref	
Sometimes/Often/Always	1.32	[0.77, 2.24]	0.312

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

3.1.3 Forgone health care in the last 12 months (2018) by prosperity region, among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Row %	95% CI	2018 N
Prosperity region			
Detroit Metro Prosperity Region	4.9	[3.0, 8.0]	418
East Central Michigan Prosperity Region	4.8	[1.8, 12.4]	123
East Michigan Prosperity Region	11.8	[6.5, 20.3]	176
Northeast Prosperity Region	8.1	[4.1, 15.4]	103
Northwest Prosperity Region	2.0	[0.5, 7.9]	68
South Central Prosperity Region	10.0	[4.4, 21.3]	54
Southeast Michigan Prosperity Region	4.6	[2.1, 9.9]	134
Southwest Prosperity Region	7.0	[3.1, 14.9]	105
Upper Peninsula Prosperity Alliance	7.0	[3.2, 14.8]	112
West Michigan Prosperity Alliance	3.4	[1.0, 10.6]	193
Total	5.8	[4.5, 7.6]	1,487

3.2 Forgone health care due to financial reasons

3.2.1 Forgone health care due to financial reasons in the last 12 months/since HMP coverage ended (change 2017-2018), among all respondents

	2017			2018			p-value ^a	p-value ^b
	Row %	95% CI	N	Row %	95% CI	N		
HMP/Medicaid enrollment pattern (DW)								
Stayed on	2.2	[1.5, 3.1]	2,001	3.2	[2.4, 4.4]	1,998	0.099	Ref
Off for 6+ months	6.9	[4.5, 10.5]	397	17.0	[12.9, 22.0]	396	<0.001	0.058
Churned off/on	12.0	[7.3, 18.9]	201	7.5	[4.4, 12.6]	202	0.225	0.063
Age (DW)								
19-34	3.5	[2.2, 5.6]	731	5.2	[3.6, 7.3]	730	0.176	Ref
35-50	4.3	[2.9, 6.3]	810	7.7	[5.7, 10.3]	809	0.016	0.536
51-64	3.8	[2.5, 5.6]	1,058	4.4	[3.1, 6.2]	1,057	0.547	0.572
Gender (DW)								
Male	3.7	[2.5, 5.4]	999	5.7	[4.1, 7.8]	997	0.076	Ref
Female	4.0	[2.9, 5.5]	1,600	6.0	[4.8, 7.6]	1,599	0.039	0.934
Race/ethnicity (2016)								
White, non-Hispanic	4.9	[3.6, 6.5]	1,738	6.5	[5.2, 8.2]	1,739	0.095	Ref
Black, non-Hispanic	2.2	[1.3, 3.9]	536	4.1	[2.5, 6.5]	535	0.111	0.496
Hispanic	4.6	[1.4, 14.1]	107	3.2	[1.0, 9.4]	106	0.665	0.433
Other, non-Hispanic	1.7	[0.5, 5.5]	185	8.2	[4.4, 14.7]	183	0.021	0.071
FPL category (DW)								
0-35%	4.3	[3.1, 5.8]	1,508	6.1	[4.8, 7.9]	1,506	0.054	Ref
36-99%	2.9	[1.6, 5.2]	645	5.9	[4.0, 8.6]	644	0.047	0.388
100%+	3.7	[2.0, 6.8]	446	4.6	[2.8, 7.5]	446	0.578	0.704
Region (DW)								
UP/NW/NE	2.9	[1.8, 4.8]	487	3.9	[2.2, 6.6]	487	0.436	Ref
W/E Central/E	3.5	[2.2, 5.6]	820	6.7	[4.9, 9.2]	817	0.012	0.351
S Central/SW/SE	5.8	[3.8, 8.9]	525	7.4	[5.0, 10.8]	525	0.385	0.971
Detroit Metro	3.5	[2.2, 5.4]	767	5.0	[3.5, 7.1]	767	0.199	0.826
Chronic condition (2016, 2017, 2018)								
Yes	4.2	[3.1, 5.7]	1,734	6.0	[4.8, 7.5]	1,729	0.052	0.589
No	3.3	[2.1, 5.1]	865	5.6	[3.9, 7.9]	867	0.057	Ref
MH/SUD (2016, 2017, 2018 or DW)								
Yes	4.8	[3.6, 6.3]	1,684	6.0	[4.8, 7.5]	1,682	0.206	0.046
No	2.3	[1.4, 3.8]	915	5.6	[3.9, 8.0]	914	0.001	Ref
Health insurance type (2018 or DW)								
HMP/Medicaid	3.5	[2.6, 4.7]	2,079	2.1	[1.4, 3.0]	2,077	0.037	Ref
Other insurance	5.4	[3.3, 8.9]	343	9.9	[6.7, 14.3]	342	0.037	0.003
Uninsured	5.4	[2.5, 11.2]	167	37.2	[29.0, 46.3]	167	<0.001	<0.001
Need help reading written materials (2016)								
Sometimes/Often/Always	3.1	[1.6, 6.1]	363	5.5	[3.2, 9.1]	362	0.184	0.722
Never/Rarely	4.0	[3.1, 5.2]	2,233	5.9	[4.8, 7.3]	2,231	0.017	Ref
Race/ethnicity, two groups (2016)								
White	4.9	[3.7, 6.6]	1,692	6.5	[5.1, 8.2]	1,693	0.126	Ref
All racial/ethnic minorities	2.4	[1.5, 3.7]	874	5.0	[3.6, 7.1]	870	0.010	0.180
Race/ethnicity, detailed (2016)								
White	4.9	[3.7, 6.6]	1,692	6.5	[5.1, 8.2]	1,693	0.126	Ref
Black	2.2	[1.3, 3.9]	534	4.1	[2.5, 6.5]	533	0.111	0.467
Hispanic	4.6	[1.4, 14.2]	105	3.2	[1.1, 9.5]	104	0.666	0.448
Arab/Chaldean	0.8	[0.1, 5.5]	106	5.0	[1.9, 12.5]	105	---	0.100
Other/more than one	2.8	[0.8, 8.8]	129	10.8	[5.5, 20.0]	128	0.053	0.134
Young adults (2016)								
Age 19-25	4.5	[2.3, 8.6]	283	5.3	[3.0, 9.0]	283	0.722	0.489
Age 26-64	3.7	[2.9, 4.8]	2,316	6.0	[4.9, 7.3]	2,313	0.003	Ref
Total	3.9	[3.0, 4.9]	2,599	5.9	[4.8, 7.1]	2,596	0.007	

Dashes indicate we were not able to conduct significance testing for this subgroup.

^aMixed effects logistic regression, 2018 compared to 2017, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2018 compared to 2017, comparing changes over time across subpopulations

3.2.2 Predictors of forgone health care due to financial reasons in the last 12 months/since HMP coverage ended (2017-2018), among all respondents

	Forgone health care due to financial reasons in the last 12 months/since HMP coverage ended (N=2,566)		
	aOR	95% CI	p-value ^a
Survey year			
2017		Ref	
2018	1.58	[1.07, 2.34]	0.023
HMP/Medicaid enrollment pattern (DW)			
Stayed on		Ref	
Off for 6+ months	0.93	[0.45, 1.93]	0.845
Churned off/on	1.91	[0.95, 3.87]	0.071
Age (DW)			
19-34		Ref	
35-50	1.85	[1.05, 3.24]	0.033
51-64	1.42	[0.80, 2.52]	0.229
Gender (DW)			
Male		Ref	
Female	1.22	[0.79, 1.88]	0.372
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	0.42	[0.22, 0.80]	0.008
Hispanic	0.66	[0.20, 2.17]	0.490
Other, non-Hispanic	0.94	[0.42, 2.14]	0.887
FPL category (DW)^b			
0-35%		Ref	
36-99%	0.88	[0.51, 1.51]	0.633
100%+	1.04	[0.61, 1.79]	0.875
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	1.99	[1.06, 3.73]	0.032
S Central/SW/SE	2.56	[1.30, 5.04]	0.006
Detroit Metro	1.93	[0.98, 3.79]	0.056
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	1.45	[0.89, 2.38]	0.137
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	2.13	[1.28, 3.55]	0.004
Health insurance type (2017-2018 or DW)^b			
HMP/Medicaid (DW)		Ref	
Other insurance (2017-2018)	8.30	[3.69, 18.71]	<0.001
Uninsured (2017-2018)	56.24	[22.14, 142.85]	<0.001
Need help reading written materials (2016)			
Never/Rarely		Ref	
Sometimes/Often/Always	1.04	[0.58, 1.87]	0.885

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

3.3 Forgone dental care

3.3.1 Forgone dental care in the last 12 months/since HMP coverage ended (change 2017-2018), among all respondents

	2017			2018			p-value ^a	p-value ^b
	Row %	95% CI	N	Row %	95% CI	N		
HMP/Medicaid enrollment pattern (DW)								
Stayed on	17.1	[15.1, 19.2]	1,999	19.9	[17.8, 22.1]	1,986	0.027	Ref
Off for 6+ months	24.9	[20.3, 30.1]	398	24.8	[20.3, 30.1]	394	0.990	0.304
Churned off/on	20.7	[14.7, 28.3]	200	22.7	[16.3, 30.7]	201	0.686	0.808
Age (DW)								
19-34	19.0	[15.9, 22.4]	732	19.3	[16.3, 22.8]	728	0.849	Ref
35-50	19.7	[16.7, 23.1]	807	22.6	[19.3, 26.3]	801	0.186	0.409
51-64	16.9	[14.2, 19.8]	1,058	21.1	[18.2, 24.4]	1,052	0.011	0.119
Gender (DW)								
Male	14.7	[12.3, 17.5]	998	15.6	[13.1, 18.5]	994	0.601	Ref
Female	22.4	[19.9, 25.1]	1,599	26.0	[23.3, 28.8]	1,587	0.027	0.379
Race/ethnicity (2016)								
White, non-Hispanic	20.0	[17.8, 22.5]	1,737	22.0	[19.6, 24.5]	1,729	0.180	Ref
Black, non-Hispanic	18.4	[14.8, 22.7]	535	17.5	[14.1, 21.6]	534	0.718	0.346
Hispanic	8.9	[4.4, 17.0]	107	21.7	[13.6, 32.7]	105	0.028	0.031
Other, non-Hispanic	17.5	[12.2, 24.5]	185	23.6	[17.0, 31.7]	181	0.072	0.236
FPL category (DW)								
0-35%	18.3	[16.0, 20.9]	1,505	21.0	[18.5, 23.6]	1,492	0.092	Ref
36-99%	19.2	[15.9, 23.0]	645	21.5	[17.9, 25.7]	644	0.299	0.894
100%+	19.1	[15.0, 24.2]	447	20.0	[15.7, 25.1]	445	0.754	0.572
Region (DW)								
UP/NW/NE	18.4	[14.6, 23.0]	486	20.8	[16.7, 25.6]	485	0.359	Ref
W/E Central/E	18.0	[15.1, 21.4]	820	20.1	[17.0, 23.6]	812	0.303	0.934
S Central/SW/SE	20.8	[17.1, 25.2]	525	20.8	[16.9, 25.3]	522	0.968	0.491
Detroit Metro	18.2	[15.3, 21.5]	766	21.6	[18.4, 25.1]	762	0.087	0.760
Chronic condition (2016, 2017, 2018)								
Yes	20.9	[18.5, 23.4]	1,731	22.5	[20.1, 25.1]	1,722	0.289	0.371
No	15.2	[12.6, 18.1]	866	18.4	[15.6, 21.7]	859	0.067	Ref
MH/SUD (2016, 2017, 2018 or DW)								
Yes	21.4	[19.1, 23.9]	1,680	22.9	[20.5, 25.5]	1,668	0.334	0.243
No	13.9	[11.5, 16.9]	917	17.6	[14.7, 20.9]	913	0.042	Ref
Health insurance type (2018 or DW)								
HMP/Medicaid	17.9	[15.9, 20.1]	2,075	19.5	[17.5, 21.8]	2,065	0.210	Ref
Other insurance	24.7	[19.8, 30.5]	344	20.4	[16.1, 25.5]	340	0.138	0.062
Uninsured	16.6	[11.3, 23.7]	168	35.1	[27.1, 44.0]	166	<0.001	0.001
Need help reading written materials (2016)								
Sometimes/Often/Always	20.2	[15.3, 26.0]	364	25.2	[20.0, 31.1]	359	0.108	0.338
Never/Rarely	18.4	[16.6, 20.4]	2,230	20.2	[18.2, 22.3]	2,219	0.167	Ref
Race/ethnicity, two groups (2016)								
White	20.2	[17.9, 22.7]	1,691	22.0	[19.6, 24.5]	1,683	0.227	Ref
All racial/ethnic minorities	17.1	[14.3, 20.2]	873	19.6	[16.6, 22.9]	866	0.192	0.683
Race/ethnicity, detailed (2016)								
White	20.2	[17.9, 22.7]	1,691	22.0	[19.6, 24.5]	1,683	0.227	Ref
Black	18.5	[14.8, 22.8]	533	17.6	[14.1, 21.7]	532	0.718	0.378
Hispanic	8.6	[4.2, 16.8]	105	21.4	[13.4, 32.6]	103	0.027	0.029
Arab/Chaldean	15.2	[8.9, 24.8]	106	21.5	[13.6, 32.3]	105	0.211	0.347
Other/more than one	19.1	[12.6, 27.8]	129	25.1	[17.0, 35.5]	126	0.139	0.335
Young adults (2016)								
Age 19-25	16.5	[12.2, 22.1]	284	18.1	[13.6, 23.7]	281	0.622	0.846
Age 26-64	19.1	[17.2, 21.2]	2,313	21.5	[19.5, 23.7]	2,300	0.052	Ref
Total	18.7	[16.9, 20.6]	2,597	20.9	[19.1, 22.9]	2,581	0.051	

^aMixed effects logistic regression, 2018 compared to 2017, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2018 compared to 2017, comparing changes over time across subpopulations

3.3.2 Predictors of forgone dental care in the last 12 months/since HMP coverage ended (2017-2018), among all respondents

	Forgone dental care in the last 12 months/since HMP coverage ended (N=2,566)		
	aOR	95% CI	p-value ^a
Survey year			
2017		Ref	
2018	1.19	[0.96, 1.48]	0.115
HMP/Medicaid enrollment pattern (DW)			
Stayed on		Ref	
Off for 6+ months	1.66	[1.03, 2.65]	0.036
Churned off/on	1.41	[0.86, 2.30]	0.176
Age (DW)			
19-34		Ref	
35-50	1.24	[0.88, 1.74]	0.217
51-64	0.93	[0.65, 1.33]	0.683
Gender (DW)			
Male		Ref	
Female	2.38	[1.77, 3.20]	<0.001
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	0.74	[0.51, 1.08]	0.117
Hispanic	0.58	[0.29, 1.16]	0.126
Other, non-Hispanic	1.03	[0.61, 1.74]	0.921
FPL category (DW)^b			
0-35%		Ref	
36-99%	1.12	[0.83, 1.51]	0.474
100%+	1.20	[0.88, 1.63]	0.257
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	1.02	[0.68, 1.51]	0.941
S Central/SW/SE	1.19	[0.77, 1.83]	0.443
Detroit Metro	1.25	[0.82, 1.92]	0.304
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	1.60	[1.17, 2.18]	0.003
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	1.74	[1.28, 2.36]	<0.001
Health insurance type (2017-2018 or DW)^b			
HMP/Medicaid (DW)		Ref	
Other insurance (2017-2018)	1.08	[0.64, 1.82]	0.769
Uninsured (2017-2018)	2.78	[1.66, 4.66]	<0.001
Need help reading written materials (2016)			
Never/Rarely		Ref	
Sometimes/Often/Always	1.32	[0.88, 1.99]	0.183

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

3.3.3 Reasons for forgone dental care in the last 12 months/since HMP coverage ended (2017, 2018), among all respondents

	2017			2018		
	Col %	95% CI	N	Col %	95% CI	N
Reasons for forgone dental care						
Financial reasons ^a	52.6	[47.2, 58.0]	252	56.6	[51.4, 61.6]	303
Difficulty finding provider or getting appointment	23.4	[19.3, 28.1]	120	28.5	[24.1, 33.3]	160
Other ^b	24.0	[19.6, 29.0]	116	15.0	[11.6, 19.1]	83

Percentages may not add up to 100% due to rounding.

^aIncludes cost, no insurance, and insurance plan would not cover services needed.

^bIncludes disenrolled/declared ineligible but do not know why, transportation/logistics, did not get around to it, afraid of going to dentist/dislikes dentists, and did not realize HMP covers dental care.

3.3.4 Forgone dental care in the last 12 months (2018) by prosperity region, among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2018		
	Row %	95% CI	N
Prosperity region			
Detroit Metro Prosperity Region	20.9	[16.7, 25.7]	417
East Central Michigan Prosperity Region	19.1	[12.5, 28.2]	123
East Michigan Prosperity Region	18.4	[12.6, 26.1]	176
Northeast Prosperity Region	20.2	[13.2, 29.7]	103
Northwest Prosperity Region	17.6	[7.6, 35.6]	68
South Central Prosperity Region	20.1	[10.6, 34.8]	54
Southeast Michigan Prosperity Region	17.8	[12.0, 25.6]	134
Southwest Prosperity Region	15.4	[8.1, 27.4]	105
Upper Peninsula Prosperity Alliance	17.6	[11.0, 26.9]	112
West Michigan Prosperity Alliance	18.1	[12.4, 25.6]	193
Total	19.3	[16.9, 21.9]	1,486

3.4 Forgone dental care due to financial reasons

3.4.1 Forgone dental care due to financial reasons in the last 12 months/since HMP coverage ended (change 2017-2018), among all respondents

	2017			2018			p-value ^a	p-value ^b
	Row %	95% CI	N	Row %	95% CI	N		
HMP/Medicaid enrollment pattern (DW)								
Stayed on	7.1	[5.8, 8.7]	1,999	8.9	[7.5, 10.7]	1,986	0.061	Ref
Off for 6+ months	18.4	[14.4, 23.1]	398	22.7	[18.3, 27.8]	394	0.139	0.826
Churned off/on	16.4	[11.1, 23.6]	200	16.1	[10.7, 23.4]	201	0.930	0.430
Age (DW)								
19-34	10.6	[8.3, 13.5]	732	10.5	[8.2, 13.3]	728	0.928	Ref
35-50	9.3	[7.3, 11.9]	807	13.8	[11.2, 17.0]	801	0.012	0.059
51-64	9.3	[7.3, 11.7]	1,058	11.3	[9.0, 14.0]	1,052	0.127	0.281
Gender (DW)								
Male	7.5	[5.8, 9.7]	998	9.0	[7.0, 11.4]	994	0.290	Ref
Female	12.0	[10.1, 14.2]	1,599	14.6	[12.5, 16.9]	1,587	0.053	0.827
Race/ethnicity (2016)								
White, non-Hispanic	9.9	[8.3, 11.8]	1,737	11.6	[9.9, 13.6]	1,729	0.156	Ref
Black, non-Hispanic	10.7	[7.9, 14.3]	535	10.9	[8.2, 14.4]	534	0.897	0.547
Hispanic	3.8	[1.3, 10.2]	107	11.4	[5.7, 21.5]	105	0.210	0.067
Other, non-Hispanic	10.9	[6.7, 17.2]	185	17.2	[11.7, 24.7]	181	0.087	0.249
FPL category (DW)								
0-35%	9.6	[7.9, 11.7]	1,505	12.7	[10.7, 14.9]	1,492	0.018	Ref
36-99%	9.9	[7.5, 13.0]	645	11.1	[8.4, 14.4]	644	0.491	0.435
100%+	10.5	[7.3, 14.7]	447	9.8	[6.7, 14.0]	445	0.765	0.186
Region (DW)								
UP/NW/NE	7.7	[5.4, 10.7]	486	11.7	[8.4, 16.1]	485	0.054	Ref
W/E Central/E	8.5	[6.4, 11.2]	820	9.3	[7.1, 12.0]	812	0.632	0.220
S Central/SW/SE	10.6	[7.8, 14.1]	525	12.5	[9.4, 16.4]	522	0.344	0.388
Detroit Metro	10.8	[8.6, 13.6]	766	13.3	[10.8, 16.2]	762	0.135	0.426
Chronic condition (2016, 2017, 2018)								
Yes	10.6	[8.8, 12.6]	1,731	12.5	[10.6, 14.6]	1,722	0.120	0.780
No	8.7	[6.7, 11.1]	866	10.8	[8.6, 13.5]	859	0.143	Ref
MH/SUD (2016, 2017, 2018 or DW)								
Yes	10.5	[8.8, 12.4]	1,680	12.3	[10.5, 14.3]	1,668	0.126	0.708
No	8.8	[6.7, 11.3]	917	11.1	[8.7, 14.0]	913	0.133	Ref
Health insurance type (2018 or DW)								
HMP/Medicaid	8.4	[6.9, 10.0]	2,075	8.5	[7.1, 10.2]	2,065	0.925	Ref
Other insurance	17.4	[13.3, 22.4]	344	18.8	[14.7, 23.7]	340	0.634	0.719
Uninsured	11.5	[7.2, 18.1]	168	32.3	[24.5, 41.2]	166	<0.001	<0.001
Need help reading written materials (2016)								
Sometimes/Often/Always	7.6	[4.6, 12.2]	364	14.9	[10.8, 20.1]	359	0.014	0.016
Never/Rarely	10.2	[8.8, 11.9]	2,230	11.3	[9.8, 13.0]	2,219	0.310	Ref
Race/ethnicity, two groups (2016)								
White	10.0	[8.3, 11.9]	1,691	11.5	[9.8, 13.5]	1,683	0.199	Ref
All racial/ethnic minorities	9.9	[7.8, 12.5]	873	12.5	[10.1, 15.4]	866	0.098	0.576
Race/ethnicity, detailed (2016)								
White	10.0	[8.3, 11.9]	1,691	11.5	[9.8, 13.5]	1,683	0.199	Ref
Black	10.7	[7.9, 14.3]	533	10.9	[8.2, 14.5]	532	0.897	0.589
Hispanic	3.4	[1.1, 10.1]	105	11.0	[5.4, 21.3]	103	0.233	0.063
Arab/Chaldean	8.9	[4.4, 17.3]	106	14.9	[8.8, 24.3]	105	0.253	0.412
Other/more than one	12.2	[7.1, 20.3]	129	18.5	[11.4, 28.6]	126	---	0.260
Young adults (2016)								
Age 19-25	12.8	[8.9, 18.2]	284	10.5	[7.1, 15.3]	281	0.370	0.056
Age 26-64	9.2	[7.9, 10.7]	2,313	12.1	[10.5, 13.9]	2,300	0.003	Ref
Total	9.8	[8.5, 11.3]	2,597	11.8	[10.4, 13.5]	2,581	0.034	

Dashes indicate we were not able to conduct significance testing for this subgroup.

^aMixed effects logistic regression, 2018 compared to 2017, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2018 compared to 2017, comparing changes over time across subpopulations

3.4.2 Predictors of forgone dental care due to financial reasons in the last 12 months/since HMP coverage ended (2017-2018), among all respondents

	Forgone dental care due to financial reasons in the last 12 months/since HMP coverage ended (N=2,566)		
	aOR	95% CI	p-value ^a
Survey year			
2017			Ref
2018	1.21	[0.91, 1.60]	0.194
HMP/Medicaid enrollment pattern (DW)			
Stayed on			Ref
Off for 6+ months	2.33	[1.37, 3.98]	0.002
Churned off/on	2.29	[1.26, 4.17]	0.007
Age (DW)			
19-34			Ref
35-50	1.28	[0.84, 1.94]	0.256
51-64	1.10	[0.70, 1.74]	0.681
Gender (DW)			
Male			Ref
Female	2.44	[1.69, 3.53]	<0.001
Race/ethnicity (2016)			
White, non-Hispanic			Ref
Black, non-Hispanic	0.84	[0.53, 1.34]	0.472
Hispanic	0.52	[0.21, 1.27]	0.152
Other, non-Hispanic	1.59	[0.87, 2.92]	0.131
FPL category (DW)^b			
0-35%			Ref
36-99%	0.87	[0.60, 1.28]	0.491
100%+	1.11	[0.75, 1.64]	0.611
Region (DW)			
UP/NW/NE			Ref
W/E Central/E	0.94	[0.57, 1.55]	0.808
S Central/SW/SE	1.30	[0.76, 2.21]	0.340
Detroit Metro	1.55	[0.93, 2.61]	0.095
Chronic condition (2016, 2017, 2018)			
No			Ref
Yes	1.52	[1.03, 2.24]	0.034
MH/SUD (2016, 2017, 2018 or DW)			
No			Ref
Yes	1.45	[0.99, 2.11]	0.054
Health insurance type (2017-2018 or DW)^b			
HMP/Medicaid (DW)			Ref
Other insurance (2017-2018)	2.31	[1.32, 4.04]	0.003
Uninsured (2017-2018)	6.69	[3.67, 12.20]	<0.001
Need help reading written materials (2016)			
Never/Rarely			Ref
Sometimes/Often/Always	1.16	[0.70, 1.95]	0.561

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

Aim 4: To describe HMP enrollees' health behaviors, how they change over time with enrollment and disenrollment in HMP, and barriers and facilitators to improvement in health behaviors.

4.1 Exercise frequency

4.1.1 Exercise frequency in last 7 days (2016, 2017, 2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017			2018		
	Col %	95% CI	N	Col %	95% CI	N	Col %	95% CI	N
Exercise frequency in last 7 days									
Every day	31.9	[29.0, 34.9]	515	29.3	[26.5, 32.3]	450	25.6	[22.9, 28.5]	400
3-6 days	33.6	[30.7, 36.7]	484	32.9	[30.0, 36.0]	484	36.2	[33.3, 39.3]	562
1-2 days	15.1	[12.9, 17.6]	211	19.0	[16.5, 21.8]	247	20.5	[18.0, 23.3]	266
0 days	19.3	[17.0, 22.0]	276	18.8	[16.4, 21.4]	271	17.6	[15.3, 20.2]	257

Percentages may not add up to 100% due to rounding.

4.1.2 Increased or maintained healthy exercise frequency (from 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Col %	95% CI	N
Increased or maintained healthy exercise frequency (from 2016-2018)			
Yes	66.8	[63.7, 69.8]	1,024
No	33.2	[30.2, 36.3]	465

4.1.3 One or more days of exercise in last 7 days (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Age (DW)													
19-34	81.8	[76.8, 85.9]	375	83.7	[78.8, 87.6]	362	0.477	Ref	84.9	[80.1, 88.7]	376	0.233	Ref
35-50	79.2	[74.4, 83.2]	477	79.5	[74.7, 83.6]	461	0.859	0.672	78.3	[73.4, 82.5]	477	0.711	0.253
51-64	81.0	[76.9, 84.5]	634	80.2	[76.1, 83.8]	629	0.742	0.446	84.2	[80.7, 87.3]	632	0.140	0.993
Gender (DW)													
Male	80.7	[76.4, 84.4]	556	81.8	[77.6, 85.4]	550	0.585	Ref	82.4	[78.2, 86.0]	556	0.420	Ref
Female	80.6	[77.2, 83.6]	930	80.7	[77.3, 83.7]	902	0.950	0.709	82.3	[79.0, 85.1]	929	0.421	0.931
Race/ethnicity (2016)													
White, non-Hispanic	80.8	[77.6, 83.7]	1,022	82.7	[79.6, 85.4]	1,002	0.251	Ref	82.3	[79.0, 85.1]	1,021	0.455	Ref
Black, non-Hispanic	81.3	[75.2, 86.2]	281	80.4	[74.4, 85.2]	270	0.782	0.418	81.0	[75.0, 85.9]	281	0.932	0.657
Hispanic	79.9	[66.3, 88.9]	57	84.5	[71.5, 92.2]	56	0.306	0.564	85.2	[73.7, 92.2]	57	0.326	0.470
Other, non-Hispanic	77.3	[66.8, 85.2]	109	72.3	[61.0, 81.3]	107	0.468	0.300	83.0	[72.6, 90.0]	109	0.237	0.418
FPL category (DW)													
0-35%	80.3	[76.5, 83.6]	729	79.6	[75.8, 82.9]	713	0.762	Ref	82.0	[78.3, 85.2]	729	0.421	Ref
36-99%	80.6	[75.3, 84.9]	431	81.4	[76.3, 85.7]	423	0.714	0.638	79.6	[74.2, 84.2]	430	0.734	0.451
100%+	81.8	[75.9, 86.6]	326	85.6	[79.7, 89.9]	316	0.135	0.160	87.2	[81.9, 91.0]	326	0.044	0.218
Region (DW)													
UP/NW/NE	84.6	[79.1, 88.8]	282	84.0	[78.6, 88.3]	276	0.875	Ref	86.5	[81.5, 90.3]	284	0.509	Ref
W/E Central/E	78.1	[73.5, 82.0]	490	79.3	[74.7, 83.2]	483	0.591	0.666	83.1	[79.0, 86.6]	488	0.037	0.568
S Central/SW/SE	78.5	[72.4, 83.5]	293	80.6	[74.8, 85.4]	283	0.419	0.501	82.8	[77.7, 86.9]	292	0.129	0.680
Detroit Metro	82.4	[77.7, 86.3]	421	82.2	[77.5, 86.1]	410	0.910	0.970	80.8	[75.9, 84.9]	421	0.540	0.367
Chronic condition (2016, 2017, 2018)													
Yes	78.7	[75.4, 81.8]	1,014	79.1	[75.8, 82.1]	993	0.805	0.829	80.8	[77.5, 83.7]	1,012	0.274	0.827
No	84.0	[79.5, 87.7]	472	84.9	[80.4, 88.5]	459	0.698	Ref	85.1	[80.5, 88.7]	473	0.664	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	77.4	[73.9, 80.5]	969	79.6	[76.3, 82.5]	948	0.187	0.108	79.8	[76.4, 82.8]	968	0.193	0.636
No	86.7	[82.5, 90.0]	517	84.2	[79.6, 87.9]	504	0.279	Ref	87.1	[83.0, 90.3]	517	0.880	Ref
Any HRA completion with physician attestation (DW)													
Yes	79.6	[75.7, 83.1]	772	80.7	[76.9, 84.0]	760	0.567	0.720	83.5	[79.8, 86.5]	770	0.062	0.160
No	81.6	[77.9, 84.8]	714	81.7	[78.0, 84.9]	692	0.953	Ref	81.3	[77.5, 84.6]	715	0.883	Ref
Any HRA completion (2016, 2017, 2018)													
Yes	80.2	[77.1, 82.9]	1,169	81.7	[78.8, 84.4]	1,148	0.346	0.281	83.0	[80.1, 85.5]	1,168	0.099	0.190
No	82.1	[76.4, 86.6]	317	79.6	[73.6, 84.5]	304	0.470	Ref	80.3	[74.3, 85.2]	317	0.560	Ref
Total	80.7	[78.0, 83.0]	1,486	81.2	[78.6, 83.6]	1,452	0.663		82.4	[79.8, 84.7]	1,485	0.256	

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

4.1.4 Predictors of one or more days of exercise in last 7 days (2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	One or more days of exercise in last 7 days (N=1,472)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	1.07	[0.80, 1.43]	0.653
2018	1.16	[0.86, 1.57]	0.321
Age (DW)			
19-34		Ref	
35-50	0.66	[0.40, 1.08]	0.095
51-64	0.87	[0.54, 1.39]	0.556
Gender (DW)			
Male		Ref	
Female	0.81	[0.55, 1.19]	0.278
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	0.89	[0.52, 1.52]	0.669
Hispanic	1.11	[0.43, 2.88]	0.830
Other, non-Hispanic	0.59	[0.30, 1.16]	0.126
FPL category (DW)^b			
0-35%		Ref	
36-99%	0.97	[0.68, 1.37]	0.848
100%+	1.73	[1.16, 2.57]	0.007
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	0.64	[0.39, 1.04]	0.069
S Central/SW/SE	0.66	[0.38, 1.15]	0.145
Detroit Metro	0.72	[0.40, 1.28]	0.262
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	0.68	[0.44, 1.04]	0.072
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	0.50	[0.33, 0.75]	0.001
Any HRA completion with physician attestation (DW)			
No		Ref	
Yes	0.93	[0.63, 1.36]	0.707
Any HRA completion (2016, 2017, 2018)			
No		Ref	
Yes	1.24	[0.79, 1.96]	0.346

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

4.2 Sugary drink consumption

4.2.1 Sugary drink consumption in last 7 days (2016, 2017, 2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017			2018		
	Col %	95% CI	N	Col %	95% CI	N	Col %	95% CI	N
Sugary drink consumption in last 7 days									
Every day	30.6	[27.8, 33.7]	438	24.7	[22.0, 27.6]	352	23.4	[20.8, 26.1]	344
3-6 days	17.8	[15.5, 20.4]	241	20.0	[17.5, 22.8]	269	21.1	[18.5, 23.9]	278
1-2 days	21.9	[19.3, 24.7]	312	24.9	[22.2, 27.8]	340	22.4	[19.9, 25.2]	334
0 days	29.7	[26.9, 32.6]	498	30.4	[27.5, 33.4]	493	33.1	[30.2, 36.2]	531

4.2.2 Decreased or maintained no sugary drink consumption (from 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Col %	95% CI	N
Decreased or maintained no sugary drink consumption (from 2016-2018)			
Yes	50.0	[46.9, 53.2]	749
No	50.0	[46.8, 53.1]	740

4.2.3 One or more days of sugary drink consumption in last 7 days (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Age (DW)													
19-34	80.3	[75.2, 84.6]	376	77.7	[72.3, 82.3]	362	0.284	Ref	74.9	[69.5, 79.7]	376	0.047	Ref
35-50	71.1	[65.9, 75.8]	478	72.2	[67.0, 76.8]	462	0.688	0.297	68.0	[62.7, 72.9]	477	0.258	0.414
51-64	55.8	[50.9, 60.5]	635	55.6	[50.7, 60.4]	630	0.941	0.418	54.3	[49.4, 59.1]	634	0.601	0.209
Gender (DW)													
Male	73.4	[68.7, 77.5]	557	72.3	[67.4, 76.6]	550	0.625	Ref	70.7	[65.9, 75.1]	555	0.246	Ref
Female	67.6	[63.8, 71.2]	932	67.2	[63.3, 70.8]	904	0.928	0.740	63.4	[59.5, 67.2]	932	0.056	0.713
Race/ethnicity (2016)													
White, non-Hispanic	69.3	[65.8, 72.7]	1,025	66.5	[62.7, 70.0]	1,004	0.169	Ref	66.2	[62.4, 69.7]	1,024	0.088	Ref
Black, non-Hispanic	76.4	[70.2, 81.6]	281	73.5	[66.8, 79.3]	270	0.340	0.858	69.2	[62.4, 75.3]	280	0.033	0.268
Hispanic	76.4	[60.4, 87.3]	57	88.9	[77.9, 94.8]	56	0.151	0.080	65.5	[49.5, 78.6]	57	0.068	0.230
Other, non-Hispanic	60.2	[48.7, 70.7]	109	70.2	[59.1, 79.4]	107	0.025	0.012	69.7	[58.6, 78.8]	109	0.125	0.050
FPL category (DW)													
0-35%	69.8	[65.6, 73.7]	731	67.6	[63.2, 71.7]	714	0.293	Ref	65.0	[60.6, 69.2]	730	0.029	Ref
36-99%	68.2	[62.5, 73.3]	431	69.1	[63.4, 74.3]	423	0.745	0.388	69.7	[64.1, 74.9]	431	0.607	0.091
100%+	74.9	[68.7, 80.2]	327	76.1	[70.2, 81.2]	317	0.638	0.363	68.2	[61.7, 74.0]	326	0.059	0.577
Region (DW)													
UP/NW/NE	67.2	[60.8, 72.9]	284	64.0	[57.1, 70.3]	276	0.431	Ref	63.4	[56.8, 69.6]	284	0.351	Ref
W/E Central/E	73.9	[69.2, 78.2]	491	70.6	[65.4, 75.4]	484	0.257	0.949	71.1	[66.1, 75.6]	490	0.247	0.903
S Central/SW/SE	72.8	[66.6, 78.2]	293	71.5	[65.1, 77.2]	284	0.711	0.745	74.9	[68.9, 80.1]	293	0.519	0.264
Detroit Metro	67.6	[62.3, 72.6]	421	69.3	[64.0, 74.2]	410	0.483	0.296	61.4	[55.9, 66.7]	420	0.029	0.582
Chronic condition (2016, 2017, 2018)													
Yes	67.4	[63.7, 70.9]	1,015	66.3	[62.6, 69.9]	995	0.631	0.778	64.8	[61.0, 68.4]	1,013	0.191	0.397
No	75.4	[70.5, 79.8]	474	75.3	[70.3, 79.8]	459	0.999	Ref	70.5	[65.1, 75.3]	474	0.054	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	71.8	[68.2, 75.2]	972	72.0	[68.3, 75.4]	950	0.896	0.427	69.1	[65.4, 72.6]	971	0.179	0.495
No	67.6	[62.4, 72.4]	517	65.3	[59.9, 70.3]	504	0.361	Ref	62.6	[57.2, 67.7]	516	0.057	Ref
Any HRA completion with physician attestation (DW)													
Yes	69.9	[65.7, 73.8]	773	66.9	[62.5, 71.0]	761	0.167	0.164	64.4	[60.0, 68.6]	772	0.010	0.226
No	70.8	[66.5, 74.7]	716	72.2	[68.0, 76.0]	693	0.526	Ref	69.1	[64.8, 73.1]	715	0.489	Ref
Any HRA completion (2016, 2017, 2018)													
Yes	69.2	[65.8, 72.4]	1,171	68.7	[65.2, 71.9]	1,150	0.802	0.811	65.7	[62.2, 69.0]	1,170	0.056	0.986
No	73.9	[67.8, 79.3]	318	72.8	[66.1, 78.5]	304	0.673	Ref	70.6	[63.9, 76.5]	317	0.286	Ref
Total	70.3	[67.4, 73.1]	1,489	69.6	[66.6, 72.5]	1,454	0.681		66.9	[63.8, 69.8]	1,487	0.029	

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

4.2.4 Predictors of one or more days of sugary drink consumption in last 7 days (2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	One or more days of sugary drink consumption in last 7 days (N=1,472)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	0.94	[0.73, 1.22]	0.652
2018	0.77	[0.59, 1.00]	0.050
Age (DW)			
19-34		Ref	
35-50	0.55	[0.34, 0.88]	0.013
51-64	0.21	[0.13, 0.33]	<0.001
Gender (DW)			
Male		Ref	
Female	0.64	[0.44, 0.94]	0.022
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	2.29	[1.36, 3.84]	0.002
Hispanic	1.97	[0.85, 4.54]	0.113
Other, non-Hispanic	0.90	[0.45, 1.82]	0.778
FPL category (DW)^b			
0-35%		Ref	
36-99%	1.05	[0.75, 1.47]	0.775
100%+	0.87	[0.59, 1.27]	0.464
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	1.42	[0.89, 2.28]	0.142
S Central/SW/SE	1.40	[0.83, 2.38]	0.211
Detroit Metro	0.64	[0.37, 1.09]	0.102
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	0.63	[0.41, 0.96]	0.031
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	1.54	[1.02, 2.32]	0.041
Any HRA completion with physician attestation (DW)			
No		Ref	
Yes	0.92	[0.62, 1.36]	0.663
Any HRA completion (2016, 2017, 2018)			
No		Ref	
Yes	0.76	[0.47, 1.24]	0.270

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

4.3 Days eating 3+ fruits or vegetables

4.3.1 Days eating 3+ fruits or vegetables in last 7 days (2016, 2017, 2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017			2018		
	Col %	95% CI	N	Col %	95% CI	N	Col %	95% CI	N
Days eating 3+ fruits or vegetables in last 7 days									
Every day	33.9	[31.0, 37.0]	557	34.2	[31.2, 37.3]	519	31.7	[28.9, 34.7]	532
3-6 days	36.8	[33.7, 40.0]	532	36.5	[33.5, 39.7]	535	39.8	[36.7, 43.0]	584
1-2 days	17.6	[15.2, 20.3]	228	16.4	[14.1, 18.9]	236	18.0	[15.5, 20.7]	226
0 days	11.6	[9.7, 13.9]	163	12.9	[10.8, 15.4]	159	10.6	[8.7, 12.8]	142

Percentages may not add up to 100% due to rounding.

4.3.2 Increased or maintained healthy fruit and vegetable consumption (from 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Col %	95% CI	N
Increased or maintained healthy fruit and vegetable consumption (from 2016-2018)			
Yes	72.5	[69.5, 75.4]	1,137
No	27.5	[24.6, 30.5]	352

4.3.3 Three or more days of eating 3+ fruits or vegetables in last 7 days (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017				2018					
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Age (DW)													
19-34	68.0	[62.2, 73.3]	370	71.6	[65.9, 76.7]	360	0.271	Ref	68.6	[62.8, 73.8]	375	0.803	Ref
35-50	70.7	[65.3, 75.5]	475	67.9	[62.4, 73.0]	460	0.393	0.165	70.7	[65.3, 75.5]	475	0.980	0.846
51-64	74.5	[70.0, 78.5]	635	73.2	[68.6, 77.3]	629	0.632	0.247	76.6	[72.0, 80.5]	634	0.394	0.711
Gender (DW)													
Male	65.0	[60.0, 69.7]	554	64.9	[59.9, 69.6]	549	0.972	Ref	65.3	[60.2, 70.0]	554	0.895	Ref
Female	75.9	[72.1, 79.3]	926	76.1	[72.4, 79.4]	900	0.967	0.999	77.0	[73.3, 80.3]	930	0.555	0.793
Race/ethnicity (2016)													
White, non-Hispanic	72.4	[68.7, 75.8]	1,022	71.3	[67.6, 74.8]	1,001	0.619	Ref	74.7	[71.1, 78.0]	1,021	0.252	Ref
Black, non-Hispanic	68.7	[61.5, 75.0]	278	68.8	[61.6, 75.1]	270	0.958	0.770	63.2	[55.9, 69.8]	280	0.208	0.098
Hispanic	64.1	[48.5, 77.3]	57	66.8	[50.4, 80.0]	55	0.741	0.647	78.6	[63.4, 88.6]	57	0.151	0.231
Other, non-Hispanic	66.5	[55.2, 76.2]	106	71.8	[60.5, 80.9]	106	0.325	0.274	67.6	[56.3, 77.2]	109	0.814	0.863
FPL category (DW)													
0-35%	68.6	[64.2, 72.7]	728	67.8	[63.3, 72.0]	712	0.783	Ref	68.1	[63.6, 72.3]	726	0.898	Ref
36-99%	71.9	[65.9, 77.2]	426	73.3	[67.5, 78.4]	421	0.544	0.537	74.2	[68.3, 79.4]	431	0.369	0.459
100%+	75.3	[68.8, 80.8]	326	75.7	[69.5, 80.9]	316	0.981	0.872	77.3	[71.1, 82.4]	327	0.571	0.596
Region (DW)													
UP/NW/NE	75.5	[69.2, 81.0]	283	76.5	[70.1, 81.8]	276	0.714	Ref	78.5	[72.5, 83.6]	283	0.300	Ref
W/E Central/E	71.6	[66.7, 76.2]	487	71.4	[66.3, 76.1]	480	0.991	0.793	74.1	[69.2, 78.5]	489	0.415	0.859
S Central/SW/SE	64.8	[57.8, 71.3]	292	68.4	[61.6, 74.5]	283	0.387	0.676	71.9	[65.4, 77.7]	292	0.062	0.502
Detroit Metro	71.6	[66.1, 76.4]	418	70.0	[64.5, 75.0]	410	0.622	0.556	68.1	[62.5, 73.2]	420	0.291	0.137
Chronic condition (2016, 2017, 2018)													
Yes	69.8	[66.0, 73.3]	1,008	70.0	[66.2, 73.6]	991	0.859	0.813	70.7	[66.8, 74.2]	1,011	0.655	0.907
No	72.4	[67.0, 77.1]	472	72.0	[66.6, 76.7]	458	0.868	Ref	72.9	[67.5, 77.7]	473	0.863	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	69.3	[65.4, 72.8]	965	68.8	[64.9, 72.4]	946	0.888	0.763	68.8	[64.9, 72.4]	967	0.888	0.357
No	73.5	[68.1, 78.2]	515	74.3	[69.0, 79.0]	503	0.786	Ref	76.4	[71.1, 81.0]	517	0.303	Ref
Any HRA completion with physician attestation (DW)													
Yes	71.6	[67.3, 75.6]	770	73.5	[69.3, 77.3]	758	0.430	0.284	73.3	[69.0, 77.2]	772	0.499	0.622
No	69.9	[65.4, 74.0]	710	68.1	[63.5, 72.3]	691	0.471	Ref	69.7	[65.3, 73.9]	712	0.994	Ref
Any HRA completion (2016, 2017, 2018)													
Yes	73.2	[69.8, 76.4]	1,164	73.0	[69.6, 76.2]	1,147	0.932	0.838	74.5	[71.0, 77.6]	1,167	0.500	0.612
No	62.9	[56.0, 69.3]	316	63.3	[56.3, 69.8]	302	0.851	Ref	62.0	[55.1, 68.5]	317	0.843	Ref
Total	70.7	[67.7, 73.6]	1,480	70.7	[67.6, 73.6]	1,449	0.972		71.5	[68.4, 74.4]	1,484	0.646	

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

4.3.4 Predictors of three or more days of eating 3+ fruits or vegetables in last 7 days (2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Three or more days of eating 3+ fruits or vegetables in last 7 days (N=1,472)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	1.01	[0.79, 1.30]	0.913
2018	1.06	[0.82, 1.36]	0.673
Age (DW)			
19-34		Ref	
35-50	1.11	[0.77, 1.59]	0.570
51-64	1.34	[0.93, 1.94]	0.119
Gender (DW)			
Male		Ref	
Female	1.92	[1.42, 2.59]	<0.001
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	0.66	[0.44, 0.98]	0.038
Hispanic	0.89	[0.44, 1.80]	0.752
Other, non-Hispanic	0.94	[0.53, 1.65]	0.829
FPL category (DW)^b			
0-35%		Ref	
36-99%	1.34	[1.00, 1.80]	0.047
100%+	1.36	[0.97, 1.89]	0.074
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	0.72	[0.46, 1.11]	0.134
S Central/SW/SE	0.56	[0.35, 0.91]	0.019
Detroit Metro	0.70	[0.43, 1.15]	0.157
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	0.84	[0.61, 1.16]	0.296
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	0.66	[0.48, 0.91]	0.010
Any HRA completion with physician attestation (DW)			
No		Ref	
Yes	1.06	[0.79, 1.43]	0.699
Any HRA completion (2016, 2017, 2018)			
No		Ref	
Yes	1.98	[1.40, 2.78]	<0.001

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

4.4 Tobacco use

4.4.1 Smoked or used tobacco in last 30 days (2016, 2017, 2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017			2018		
	Col %	95% CI	N	Col %	95% CI	N	Col %	95% CI	N
Smoked or used tobacco in last 30 days									
Yes	36.1	[33.1, 39.2]	545	35.7	[32.7, 38.9]	522	34.9	[31.9, 38.0]	509
No	63.9	[60.8, 66.9]	943	64.3	[61.1, 67.3]	932	65.1	[62.0, 68.1]	979

4.4.2 Quit smoking or using tobacco (from 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey and reported smoking or using tobacco in 2016 or 2017

	Col %	95% CI	N
Quit smoking or using tobacco (from 2016-2018)			
Yes	19.5	[15.8, 23.8]	115
No	80.5	[76.2, 84.2]	484

4.4.3 Smoked or used tobacco in last 30 days (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Age (DW)													
19-34	28.9	[23.9, 34.5]	376	30.5	[25.3, 36.2]	362	0.573	Ref	30.3	[25.2, 36.0]	376	0.524	Ref
35-50	39.6	[34.4, 45.0]	477	37.6	[32.4, 43.1]	462	0.179	0.219	39.4	[34.1, 44.8]	477	0.956	0.578
51-64	41.3	[36.7, 46.2]	635	40.1	[35.5, 45.0]	630	0.387	0.345	35.2	[30.7, 39.9]	635	0.002	0.013
Gender (DW)													
Male	39.8	[35.0, 44.8]	556	39.4	[34.6, 44.4]	550	0.778	Ref	38.5	[33.7, 43.5]	557	0.543	Ref
Female	32.8	[29.2, 36.6]	932	32.4	[28.7, 36.3]	904	0.532	0.856	31.6	[28.0, 35.5]	931	0.398	0.989
Race/ethnicity (2016)													
White, non-Hispanic	37.0	[33.4, 40.8]	1,025	37.0	[33.3, 40.8]	1,004	0.906	Ref	36.5	[32.8, 40.3]	1,024	0.694	Ref
Black, non-Hispanic	37.2	[30.7, 44.2]	281	39.3	[32.5, 46.4]	270	0.655	0.655	35.2	[28.8, 42.2]	281	0.349	0.581
Hispanic	35.6	[21.8, 52.3]	57	30.4	[17.6, 47.2]	56	0.383	0.418	34.3	[20.7, 51.2]	57	0.875	0.981
Other, non-Hispanic	28.5	[19.6, 39.4]	109	25.1	[16.9, 35.5]	107	0.198	0.255	27.6	[18.9, 38.5]	109	0.799	0.936
FPL category (DW)													
0-35%	41.4	[37.0, 45.9]	731	39.8	[35.5, 44.3]	714	0.279	Ref	38.8	[34.5, 43.3]	730	0.144	Ref
36-99%	29.7	[24.6, 35.3]	430	31.5	[26.2, 37.3]	423	0.410	0.189	30.5	[25.3, 36.3]	431	0.541	0.155
100%+	29.7	[24.0, 36.2]	327	29.7	[23.8, 36.4]	317	0.821	0.646	29.7	[23.9, 36.3]	327	0.992	0.431
Region (DW)													
UP/NW/NE	37.5	[31.1, 44.3]	284	34.0	[28.0, 40.6]	276	0.115	Ref	36.1	[29.7, 43.0]	284	0.449	Ref
W/E Central/E	40.8	[35.8, 46.0]	491	39.5	[34.4, 44.8]	484	0.396	0.396	37.8	[32.9, 43.1]	490	0.164	0.568
S Central/SW/SE	37.9	[31.6, 44.6]	293	39.7	[33.2, 46.7]	284	0.755	0.182	36.0	[29.8, 42.7]	293	0.509	0.895
Detroit Metro	32.0	[27.0, 37.4]	420	32.0	[27.0, 37.4]	410	0.939	0.250	32.3	[27.2, 37.7]	421	0.842	0.501
Chronic condition (2016, 2017, 2018)													
Yes	40.1	[36.3, 43.9]	1,014	40.0	[36.2, 43.9]	995	0.708	0.794	36.9	[33.3, 40.8]	1,014	0.034	0.043
No	29.3	[24.6, 34.6]	474	28.3	[23.6, 33.6]	459	0.589	Ref	31.3	[26.4, 36.8]	474	0.324	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	42.8	[39.0, 46.7]	971	42.9	[39.0, 46.9]	950	0.865	0.552	41.1	[37.3, 45.0]	971	0.310	0.632
No	23.7	[19.3, 28.6]	517	22.4	[18.2, 27.3]	504	0.430	Ref	23.3	[19.0, 28.3]	517	0.827	Ref
Any HRA completion with physician attestation (DW)													
Yes	34.1	[30.0, 38.4]	772	34.3	[30.1, 38.8]	761	0.991	0.564	32.1	[28.0, 36.5]	773	0.241	0.559
No	38.0	[33.8, 42.5]	716	37.1	[32.8, 41.6]	693	0.428	Ref	37.5	[33.2, 42.0]	715	0.749	Ref
Any HRA completion (2016, 2017, 2018)													
Yes	36.4	[33.0, 39.9]	1,171	36.0	[32.6, 39.6]	1,150	0.605	0.959	34.7	[31.4, 38.2]	1,170	0.202	0.458
No	35.2	[29.0, 41.9]	317	34.8	[28.5, 41.7]	304	0.715	Ref	35.4	[29.1, 42.2]	318	0.863	Ref
Total	36.1	[33.1, 39.2]	1,488	35.7	[32.7, 38.9]	1,454	0.531		34.9	[31.9, 38.0]	1,488	0.318	

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

4.4.4 Predictors of smoked or used tobacco in last 30 days (2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Smoked or used tobacco in last 30 days (N=1,472)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	0.91	[0.63, 1.33]	0.635
2018	0.83	[0.55, 1.25]	0.364
Age (DW)			
19-34		Ref	
35-50	6.06	[1.28, 28.81]	0.024
51-64	16.46	[3.19, 84.87]	0.001
Gender (DW)			
Male		Ref	
Female	0.38	[0.15, 0.99]	0.048
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	1.94	[0.29, 12.78]	0.491
Hispanic	11.90	[2.13, 66.54]	0.005
Other, non-Hispanic	0.38	[0.09, 1.65]	0.195
FPL category (DW)^b			
0-35%		Ref	
36-99%	0.55	[0.25, 1.19]	0.129
100%+	0.97	[0.41, 2.26]	0.937
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	1.08	[0.16, 7.17]	0.938
S Central/SW/SE	0.27	[0.05, 1.62]	0.153
Detroit Metro	0.42	[0.07, 2.60]	0.351
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	1.44	[0.41, 5.06]	0.567
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	11.64	[1.84, 73.54]	0.009
Any HRA completion with physician attestation (DW)			
No		Ref	
Yes	0.28	[0.06, 1.25]	0.095
Any HRA completion (2016, 2017, 2018)			
No		Ref	
Yes	0.82	[0.26, 2.58]	0.738

^aMixed effects logistic regression (using nonadaptive Gauss-Hermite quadrature); survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

4.5 Binge drinking frequency

4.5.1 Binge drinking frequency in last 7 days (2016, 2017, 2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017			2018		
	Col %	95% CI	N	Col %	95% CI	N	Col %	95% CI	N
Binge drinking frequency in last 7 days									
Every day	1.5	[0.9, 2.6]	20	1.3	[0.7, 2.3]	18	0.7	[0.4, 1.4]	16
3-6 days	5.1	[3.8, 6.8]	63	5.4	[4.0, 7.2]	66	4.5	[3.3, 6.1]	61
1-2 days	13.9	[11.8, 16.3]	195	11.5	[9.6, 13.8]	166	14.3	[12.2, 16.8]	190
0 days	79.5	[76.7, 82.0]	1,210	81.8	[79.1, 84.3]	1,202	80.4	[77.7, 82.9]	1,221

Percentages may not add up to 100% due to rounding.

4.5.2 Decrease in binge drinking frequency (from 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Col %	95% CI	N
Decrease in binge drinking frequency (from 2016-2018)			
Yes	82.5	[79.8, 84.8]	1,245
No	17.5	[15.2, 20.2]	244

4.5.3 One or more days of binge drinking in last 7 days (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017				2018					
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Age (DW)													
19-34	17.9	[13.8, 22.8]	376	17.2	[13.0, 22.4]	361	0.792	Ref	21.7	[17.2, 27.1]	376	0.154	Ref
35-50	23.9	[19.4, 29.1]	477	19.3	[15.2, 24.3]	462	0.029	0.247	17.3	[13.5, 21.9]	478	0.004	0.003
51-64	19.4	[15.7, 23.8]	635	17.9	[14.5, 22.0]	629	0.437	0.780	19.7	[16.1, 23.9]	634	0.905	0.324
Gender (DW)													
Male	23.2	[19.1, 27.7]	557	20.9	[17.1, 25.4]	549	0.296	Ref	23.5	[19.5, 28.0]	557	0.894	Ref
Female	18.1	[15.1, 21.5]	931	15.6	[12.7, 19.0]	903	0.117	0.792	16.1	[13.2, 19.4]	931	0.225	0.370
Race/ethnicity (2016)													
White, non-Hispanic	18.9	[15.9, 22.2]	1,025	17.5	[14.6, 20.8]	1,003	0.355	Ref	17.1	[14.4, 20.2]	1,024	0.250	Ref
Black, non-Hispanic	27.6	[21.7, 34.4]	281	23.8	[18.1, 30.6]	269	0.253	0.641	27.3	[21.5, 34.1]	281	0.939	0.608
Hispanic	23.5	[12.8, 39.0]	57	18.6	[9.1, 34.5]	56	0.140	0.320	10.9	[4.0, 26.7]	57	0.252	0.181
Other, non-Hispanic	11.1	[5.7, 20.6]	108	10.2	[5.0, 19.6]	107	0.766	0.990	19.3	[11.6, 30.4]	109	0.107	0.061
FPL category (DW)													
0-35%	22.1	[18.5, 26.1]	730	20.6	[17.1, 24.7]	714	0.455	Ref	20.4	[17.0, 24.4]	731	0.435	Ref
36-99%	17.1	[13.1, 22.1]	431	14.4	[10.7, 19.1]	422	0.192	0.510	15.5	[11.7, 20.3]	431	0.502	0.933
100%+	20.6	[15.4, 27.0]	327	16.3	[11.6, 22.5]	316	0.093	0.325	22.8	[17.3, 29.4]	326	0.504	0.326
Region (DW)													
UP/NW/NE	17.4	[12.3, 23.9]	284	20.7	[15.3, 27.4]	275	0.268	Ref	17.8	[12.9, 24.0]	283	0.880	Ref
W/E Central/E	21.4	[17.2, 26.2]	490	17.2	[13.3, 21.8]	483	0.089	0.050	21.2	[17.0, 26.1]	491	0.930	0.861
S Central/SW/SE	19.1	[14.2, 25.1]	293	20.5	[15.3, 26.9]	284	0.676	0.600	17.7	[12.9, 23.7]	293	0.617	0.644
Detroit Metro	21.1	[16.9, 26.1]	421	17.4	[13.4, 22.2]	410	0.090	0.056	19.7	[15.6, 24.5]	421	0.576	0.633
Chronic condition (2016, 2017, 2018)													
Yes	20.4	[17.3, 23.8]	1,014	19.1	[16.1, 22.5]	993	0.403	0.297	18.7	[15.8, 22.1]	1,014	0.357	0.499
No	20.7	[16.5, 25.6]	474	16.6	[12.7, 21.3]	459	0.066	Ref	21.1	[16.8, 26.0]	474	0.879	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	21.5	[18.3, 25.0]	971	19.3	[16.2, 22.7]	948	0.194	0.774	18.9	[16.0, 22.2]	972	0.165	0.110
No	18.7	[14.6, 23.5]	517	16.1	[12.4, 20.8]	504	0.198	Ref	20.8	[16.6, 25.9]	516	0.340	Ref
Any HRA completion with physician attestation (DW)													
Yes	20.1	[16.6, 24.0]	772	17.3	[14.0, 21.1]	761	0.124	0.622	18.9	[15.5, 22.7]	773	0.512	0.809
No	20.9	[17.3, 24.9]	716	19.0	[15.6, 23.1]	691	0.324	Ref	20.3	[16.8, 24.2]	715	0.782	Ref
Any HRA completion (2016, 2017, 2018)													
Yes	20.9	[18.0, 24.1]	1,170	18.4	[15.6, 21.6]	1,149	0.101	0.850	19.2	[16.4, 22.3]	1,170	0.276	0.332
No	19.1	[14.3, 25.1]	318	17.3	[12.8, 23.1]	303	0.468	Ref	20.8	[15.9, 26.8]	318	0.596	Ref
Total	20.5	[18.0, 23.3]	1,488	18.2	[15.7, 20.9]	1,452	0.074		19.6	[17.1, 22.3]	1,488	0.530	

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

4.5.4 Predictors of one or more days of binge drinking in last 7 days (2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	One or more days of binge drinking in last 7 days (N=1,472)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	0.76	[0.55, 1.06]	0.106
2018	0.90	[0.64, 1.27]	0.551
Age (DW)			
19-34		Ref	
35-50	1.01	[0.58, 1.75]	0.977
51-64	1.01	[0.59, 1.76]	0.958
Gender (DW)			
Male		Ref	
Female	0.45	[0.29, 0.69]	<0.001
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	3.50	[1.93, 6.36]	<0.001
Hispanic	0.92	[0.30, 2.81]	0.881
Other, non-Hispanic	0.66	[0.28, 1.54]	0.337
FPL category (DW)^b			
0-35%		Ref	
36-99%	0.77	[0.50, 1.19]	0.242
100%+	1.18	[0.73, 1.89]	0.499
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	1.09	[0.59, 2.01]	0.777
S Central/SW/SE	0.90	[0.45, 1.79]	0.764
Detroit Metro	0.70	[0.35, 1.41]	0.319
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	0.78	[0.48, 1.27]	0.319
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	1.34	[0.82, 2.18]	0.237
Any HRA completion with physician attestation (DW)			
No		Ref	
Yes	0.85	[0.54, 1.33]	0.468
Any HRA completion (2016, 2017, 2018)			
No		Ref	
Yes	0.97	[0.58, 1.61]	0.908

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

4.6 Drug use

4.6.1 Drug use in last 30 days (2016, 2017, 2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017			2018		
	Col %	95% CI	N	Col %	95% CI	N	Col %	95% CI	N
Drug use in last 30 days									
Yes	5.3	[4.1, 7.0]	72	5.0	[3.7, 6.6]	71	5.8	[4.4, 7.7]	75
No	94.7	[93.0, 95.9]	1,415	95.0	[93.4, 96.3]	1,382	94.2	[92.3, 95.6]	1,413

4.6.2 Quit drug use (from 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey and reported drug use in 2016 or 2017

	Col %	95% CI	N
Quit drug use (from 2016-2018)			
Yes	64.2	[52.5, 74.3]	83
No	35.8	[25.7, 47.5]	35

4.6.3 One or more days of drug use in last 30 days (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017				2018					
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Age (DW)													
19-34	4.9	[3.0, 7.9]	375	4.6	[2.7, 7.9]	362	0.811	Ref	6.1	[3.9, 9.4]	376	0.379	Ref
35-50	5.4	[3.3, 8.8]	478	5.5	[3.4, 8.7]	461	0.980	0.845	5.6	[3.4, 9.1]	477	0.923	0.636
51-64	5.9	[4.0, 8.6]	634	4.7	[3.0, 7.4]	630	0.392	0.713	5.9	[3.7, 9.3]	635	0.994	0.557
Gender (DW)													
Male	7.2	[5.0, 10.3]	556	5.3	[3.4, 8.1]	550	0.138	Ref	7.5	[5.2, 10.7]	556	0.872	Ref
Female	3.7	[2.5, 5.4]	931	4.7	[3.2, 6.8]	903	0.297	0.071	4.4	[2.9, 6.6]	932	0.454	0.694
Race/ethnicity (2016)													
White, non-Hispanic	4.7	[3.3, 6.6]	1,023	4.8	[3.4, 6.7]	1,004	0.966	Ref	6.0	[4.3, 8.4]	1,024	0.215	Ref
Black, non-Hispanic	7.7	[4.6, 12.8]	281	6.0	[3.2, 10.9]	270	0.344	0.426	5.5	[2.9, 10.0]	281	0.348	0.163
Hispanic	6.4	[2.0, 18.3]	57	5.4	[1.6, 17.0]	56	---	0.621	4.6	[1.1, 16.9]	57	---	0.136
Other, non-Hispanic	2.3	[0.8, 6.2]	109	4.0	[1.3, 11.1]	106	0.417	0.428	4.9	[1.9, 11.9]	109	0.254	0.423
FPL category (DW)													
0-35%	7.1	[5.1, 9.9]	729	6.1	[4.2, 8.6]	713	0.347	Ref	6.5	[4.5, 9.2]	731	0.641	Ref
36-99%	3.2	[1.8, 5.7]	431	2.1	[1.2, 3.9]	423	0.259	0.648	3.9	[2.0, 7.2]	430	0.676	0.558
100%+	3.1	[1.6, 6.1]	327	5.7	[2.9, 11.0]	317	0.202	0.115	6.7	[3.7, 11.7]	327	0.083	0.068
Region (DW)													
UP/NW/NE	5.6	[3.2, 9.7]	284	3.7	[2.1, 6.7]	276	0.256	Ref	3.9	[2.0, 7.2]	284	0.267	Ref
W/E Central/E	5.6	[3.7, 8.4]	489	4.3	[2.8, 6.7]	483	0.325	0.720	5.6	[3.7, 8.5]	490	0.996	0.383
S Central/SW/SE	4.0	[2.2, 7.3]	293	6.2	[3.5, 10.8]	284	0.193	0.088	7.6	[4.5, 12.7]	293	0.057	0.033
Detroit Metro	5.7	[3.6, 9.0]	421	5.1	[3.1, 8.4]	410	0.660	0.524	5.7	[3.5, 9.2]	421	0.999	0.415
Chronic condition (2016, 2017, 2018)													
Yes	5.6	[4.1, 7.7]	1,014	5.0	[3.5, 7.1]	994	0.535	0.695	6.6	[4.8, 9.0]	1,015	0.452	0.547
No	4.9	[2.9, 7.9]	473	4.9	[3.0, 8.0]	459	0.998	Ref	4.6	[2.6, 7.8]	473	0.837	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	6.5	[4.8, 8.6]	972	6.6	[4.8, 8.9]	949	0.962	0.218	7.7	[5.8, 10.3]	972	0.325	0.266
No	3.2	[1.7, 6.3]	515	2.0	[0.9, 4.3]	504	0.162	Ref	2.3	[1.0, 5.2]	516	0.444	Ref
Any HRA completion with physician attestation (DW)													
Yes	5.0	[3.4, 7.2]	771	4.1	[2.7, 6.1]	760	0.434	0.564	5.6	[3.8, 8.2]	773	0.650	0.898
No	5.7	[3.9, 8.3]	716	5.8	[3.9, 8.5]	693	0.997	Ref	6.1	[4.1, 8.9]	715	0.757	Ref
Any HRA completion (2016, 2017, 2018)													
Yes	5.6	[4.1, 7.5]	1,170	5.2	[3.8, 7.2]	1,149	0.714	0.809	5.9	[4.3, 8.0]	1,171	0.762	0.703
No	4.7	[2.7, 7.9]	317	4.1	[2.2, 7.5]	304	0.616	Ref	5.7	[3.2, 10.0]	317	0.554	Ref
Total	5.3	[4.1, 7.0]	1,487	5.0	[3.7, 6.6]	1,453	0.593		5.8	[4.4, 7.7]	1,488	0.589	

Dashes indicate we were not able to conduct significance testing for this subgroup.

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

4.6.4 Predictors of one or more days of drug use in last 30 days (2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	One or more days of drug use in last 30 days (N=1,472)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	0.91	[0.54, 1.53]	0.719
2018	1.16	[0.67, 2.01]	0.594
Age (DW)			
19-34		Ref	
35-50	1.02	[0.42, 2.45]	0.971
51-64	1.11	[0.48, 2.54]	0.813
Gender (DW)			
Male		Ref	
Female	0.46	[0.21, 0.99]	0.048
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	1.78	[0.71, 4.46]	0.222
Hispanic	0.83	[0.10, 6.58]	0.861
Other, non-Hispanic	0.50	[0.11, 2.25]	0.368
FPL category (DW)^b			
0-35%		Ref	
36-99%	1.07	[0.53, 2.15]	0.846
100%+	0.81	[0.39, 1.71]	0.585
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	1.12	[0.46, 2.75]	0.800
S Central/SW/SE	1.22	[0.41, 3.65]	0.719
Detroit Metro	1.20	[0.42, 3.45]	0.739
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	1.06	[0.47, 2.39]	0.890
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	5.54	[2.01, 15.30]	0.001
Any HRA completion with physician attestation (DW)			
No		Ref	
Yes	0.70	[0.35, 1.43]	0.331
Any HRA completion (2016, 2017, 2018)			
No		Ref	
Yes	1.26	[0.53, 2.97]	0.598

^aMixed effects logistic regression (using nonadaptive Gauss-Hermite quadrature); survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

4.7 HRA completion

4.7.1 Any HRA record (DW), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Any HRA record (DW)		
	Row %	95% CI	N
Age (DW)			
19-34	67.8	[62.1, 73.0]	376
35-50	71.0	[65.9, 75.6]	478
51-64	79.1	[75.0, 82.6]	635
Gender (DW)			
Male	72.8	[68.1, 77.0]	557
Female	71.3	[67.4, 74.8]	932
Race/ethnicity (2016)			
White, non-Hispanic	72.8	[69.3, 76.0]	1,025
Black, non-Hispanic	73.1	[66.2, 79.1]	281
Hispanic	61.7	[45.7, 75.4]	57
Other, non-Hispanic	67.1	[55.8, 76.6]	109
FPL category (DW)			
0-35%	72.5	[68.3, 76.3]	731
36-99%	67.7	[61.7, 73.1]	431
100%+	76.6	[70.4, 81.9]	327
Region (DW)			
UP/NW/NE	62.8	[55.8, 69.3]	284
W/E Central/E	75.2	[70.3, 79.6]	491
S Central/SW/SE	64.6	[57.7, 70.9]	293
Detroit Metro	74.8	[69.7, 79.4]	421
Chronic condition (2016, 2017, 2018)			
Yes	73.8	[70.2, 77.1]	1,015
No	68.9	[63.6, 73.7]	474
MH/SUD (2016, 2017, 2018 or DW)			
Yes	74.1	[70.5, 77.3]	972
No	68.1	[62.7, 73.0]	517
Any HRA completion (2016, 2017, 2018)			
Yes	77.1	[73.9, 80.0]	1,171
No	55.7	[48.9, 62.3]	318
Total	72.0	[69.0, 74.8]	1,489

4.7.2 Any HRA completion with physician attestation (DW), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Any HRA completion with physician attestation (DW)		
	Row %	95% CI	N
Age (DW)			
19-34	47.0	[41.3, 52.9]	376
35-50	44.1	[38.8, 49.5]	478
51-64	55.7	[50.9, 60.5]	635
Gender (DW)			
Male	48.3	[43.3, 53.3]	557
Female	48.4	[44.4, 52.4]	932
Race/ethnicity (2016)			
White, non-Hispanic	49.7	[45.8, 53.5]	1,025
Black, non-Hispanic	49.1	[42.1, 56.0]	281
Hispanic	40.1	[26.6, 55.3]	57
Other, non-Hispanic	40.2	[29.8, 51.5]	109
FPL category (DW)			
0-35%	47.4	[43.0, 52.0]	731
36-99%	44.2	[38.4, 50.1]	431
100%+	56.8	[50.0, 63.3]	327
Region (DW)			
UP/NW/NE	49.4	[42.6, 56.1]	284
W/E Central/E	55.9	[50.6, 61.0]	491
S Central/SW/SE	35.8	[29.6, 42.4]	293
Detroit Metro	48.4	[42.8, 53.9]	421
Chronic condition (2016, 2017, 2018)			
Yes	50.0	[46.1, 53.9]	1,015
No	45.5	[40.1, 51.0]	474
MH/SUD (2016, 2017, 2018 or DW)			
Yes	49.5	[45.6, 53.4]	972
No	46.2	[40.9, 51.6]	517
Any HRA completion (2016, 2017, 2018)			
Yes	54.8	[51.2, 58.4]	1,171
No	27.7	[22.0, 34.1]	318
Total	48.3	[45.2, 51.5]	1,489

4.7.3 HRA completion (change 2017-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2017			2018			p-value ^a
	Col %	95% CI	N	Col %	95% CI	N	
HRA completion							
Yes	46.6	[43.4, 49.8]	725	46.6	[43.5, 49.8]	758	0.949
No	43.8	[40.6, 47.1]	594	47.0	[43.9, 50.3]	635	-
Don't know	9.6	[7.8, 11.7]	134	6.3	[5.0, 8.0]	95	-

^aMixed effects logistic regression predicting HRA completion, 2018 compared to 2017, unadjusted

Aim 5: To understand HMP enrollees' decisions about when, where and how to seek care, including decisions about emergency department utilization.

5.1 Regular source of care

5.1.1 Regular source of care, detailed (prior to HMP, 2016, 2017, 2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Prior to HMP			2016			2017			2018		
	Col %	95% CI	N	Col %	95% CI	N	Col %	95% CI	N	Col %	95% CI	N
Regular source of care, detailed												
Doctor's office/Clinic	49.2	[46.0, 52.4]	758	88.5	[86.1, 90.5]	1,342	87.3	[84.8, 89.5]	1,276	83.0	[80.3, 85.4]	1,289
Urgent care/Walk-in clinic	11.2	[9.6, 13.2]	196	4.3	[3.2, 5.8]	59	5.1	[3.8, 6.9]	58	7.3	[5.7, 9.3]	84
Emergency room	11.9	[9.9, 14.2]	141	1.2	[0.7, 2.2]	16	2.0	[1.2, 3.3]	17	2.9	[1.9, 4.3]	30
None	27.7	[24.8, 30.7]	373	6.0	[4.5, 7.9]	62	5.6	[4.2, 7.4]	68	6.9	[5.3, 8.8]	85

Percentages may not add up to 100% due to rounding.

5.1.2 Regular source of care in last 12 months was doctor's office/clinic (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Age (DW)													
19-34	86.2	[81.6, 89.8]	376	86.0	[81.4, 89.6]	354	0.990	Ref	78.3	[73.1, 82.7]	376	0.007	Ref
35-50	87.4	[83.0, 90.8]	478	84.4	[79.5, 88.4]	458	0.279	0.436	83.7	[78.8, 87.6]	478	0.129	0.377
51-64	91.2	[88.0, 93.6]	635	89.9	[86.3, 92.6]	621	0.409	0.597	88.7	[84.9, 91.6]	634	0.180	0.329
Gender (DW)													
Male	85.5	[81.5, 88.8]	557	83.3	[78.9, 86.9]	540	0.366	Ref	77.4	[72.8, 81.5]	557	0.001	Ref
Female	90.2	[87.4, 92.4]	932	89.4	[86.5, 91.8]	893	0.663	0.708	88.1	[85.0, 90.6]	931	0.230	0.150
Race/ethnicity (2016)													
White, non-Hispanic	90.2	[87.6, 92.3]	1,025	88.0	[85.1, 90.3]	991	0.181	Ref	85.1	[82.0, 87.7]	1,025	0.002	Ref
Black, non-Hispanic	83.0	[76.6, 87.9]	281	83.3	[76.7, 88.2]	266	0.895	0.387	79.3	[72.6, 84.8]	280	0.311	0.422
Hispanic	90.4	[79.0, 95.9]	57	92.0	[75.8, 97.7]	55	0.817	0.617	76.1	[57.5, 88.3]	57	0.110	0.408
Other, non-Hispanic	85.5	[75.2, 92.0]	109	84.5	[74.0, 91.3]	104	0.881	0.742	82.2	[72.0, 89.3]	109	0.527	0.584
FPL category (DW)													
0-35%	87.1	[83.6, 90.0]	731	85.9	[82.2, 88.9]	703	0.546	Ref	81.4	[77.4, 84.8]	731	0.006	Ref
36-99%	90.6	[86.4, 93.6]	431	87.5	[82.4, 91.2]	416	0.282	0.530	85.0	[79.7, 89.1]	430	0.027	0.806
100%+	86.9	[81.4, 90.9]	327	86.9	[81.1, 91.1]	314	0.968	0.735	85.1	[79.5, 89.4]	327	0.616	0.349
Region (DW)													
UP/NW/NE	91.9	[87.2, 95.0]	284	89.1	[83.5, 92.9]	271	0.279	Ref	88.7	[83.2, 92.6]	284	0.217	Ref
W/E Central/E	89.7	[85.8, 92.6]	491	89.4	[85.4, 92.5]	478	0.911	0.408	85.6	[81.1, 89.3]	491	0.117	0.995
S Central/SW/SE	85.4	[79.5, 89.8]	293	85.9	[79.9, 90.3]	281	0.855	0.353	80.9	[74.7, 85.8]	293	0.183	0.934
Detroit Metro	87.1	[82.8, 90.5]	421	84.3	[79.6, 88.0]	403	0.271	0.788	81.0	[76.1, 85.1]	420	0.016	0.765
Chronic condition (2016, 2017, 2018)													
Yes	90.7	[88.0, 92.9]	1,015	89.7	[86.8, 92.0]	977	0.543	0.863	85.3	[82.0, 88.1]	1,014	0.001	0.368
No	83.3	[78.6, 87.1]	474	81.0	[76.0, 85.2]	456	0.432	Ref	79.1	[74.1, 83.3]	474	0.140	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	89.8	[87.1, 92.0]	972	88.7	[85.8, 91.1]	936	0.550	0.793	83.5	[80.0, 86.4]	972	<0.001	0.131
No	84.6	[79.9, 88.4]	517	82.3	[77.3, 86.4]	497	0.420	Ref	82.2	[77.5, 86.2]	516	0.392	Ref
Race/ethnicity, two groups (2016)													
White	90.3	[87.7, 92.4]	1,002	87.8	[84.8, 90.2]	969	0.141	Ref	84.9	[81.7, 87.6]	1,002	0.001	Ref
All racial/ethnic minorities	84.6	[80.0, 88.3]	470	84.9	[80.2, 88.7]	447	0.847	0.271	80.2	[75.2, 84.4]	469	0.115	0.427
Race/ethnicity, detailed (2016)													
White	90.3	[87.7, 92.4]	1,002	87.8	[84.8, 90.2]	969	0.141	Ref	84.9	[81.7, 87.6]	1,002	0.001	Ref
Black	82.9	[76.4, 87.9]	280	83.2	[76.6, 88.1]	265	0.895	0.342	79.2	[72.4, 84.7]	279	0.310	0.376
Hispanic	90.3	[78.7, 95.9]	55	91.8	[75.5, 97.6]	53	0.818	0.594	75.8	[57.0, 88.1]	55	0.110	0.430
Arab/Chaldean	89.7	[78.7, 95.4]	65	89.7	[77.9, 95.6]	60	0.991	0.685	83.8	[70.3, 91.9]	65	0.285	0.957
Other/more than one	81.7	[66.2, 91.0]	70	82.3	[67.1, 91.3]	69	.935	0.614	83.7	[70.5, 91.6]	70	0.782	0.221
Total	88.0	[85.6, 90.0]	1,489	86.5	[84.0, 88.7]	1,433	0.324		83.0	[80.3, 85.4]	1,488	0.001	

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

5.1.3 Predictors of regular source of care in last 12 months was doctor's office/clinic (2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	RSOC in last 12 months was doctor's office/clinic (N=1,472)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	0.86	[0.62, 1.21]	0.394
2018	0.57	[0.41, 0.79]	0.001
Age (DW)			
19-34		Ref	
35-50	1.17	[0.76, 1.82]	0.479
51-64	1.63	[1.02, 2.59]	0.040
Gender (DW)			
Male		Ref	
Female	2.29	[1.58, 3.34]	<0.001
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	0.52	[0.31, 0.86]	0.011
Hispanic	0.82	[0.39, 1.73]	0.602
Other, non-Hispanic	0.88	[0.46, 1.68]	0.696
FPL category (DW)^b			
0-35%		Ref	
36-99%	0.95	[0.65, 1.38]	0.782
100%+	1.11	[0.69, 1.80]	0.659
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	0.83	[0.47, 1.49]	0.540
S Central/SW/SE	0.53	[0.28, 1.00]	0.049
Detroit Metro	0.77	[0.42, 1.41]	0.393
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	2.00	[1.33, 3.01]	0.001
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	1.43	[0.97, 2.10]	0.069

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

5.2 PCP visit in past 12 months

5.2.1 PCP visit in past 12 months (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Age (DW)													
19-34	83.6	[78.6, 87.6]	355	84.6	[79.6, 88.5]	340	0.898	Ref	83.8	[78.7, 88.0]	345	0.843	Ref
35-50	86.6	[81.8, 90.3]	458	89.0	[84.5, 92.2]	441	0.341	0.552	83.9	[78.9, 87.9]	454	0.250	0.469
51-64	92.3	[89.0, 94.6]	619	90.0	[86.1, 92.8]	610	0.191	0.267	90.3	[86.8, 93.0]	618	0.283	0.499
Gender (DW)													
Male	84.9	[80.5, 88.5]	533	85.9	[81.7, 89.3]	517	0.935	Ref	84.2	[79.9, 87.8]	526	0.507	Ref
Female	89.0	[85.9, 91.5]	899	89.2	[86.1, 91.6]	874	0.982	0.939	86.9	[83.5, 89.8]	891	0.225	0.732
Race/ethnicity (2016)													
White, non-Hispanic	88.1	[85.1, 90.6]	996	89.2	[86.3, 91.5]	962	0.588	Ref	87.8	[84.8, 90.3]	975	0.596	Ref
Black, non-Hispanic	85.8	[79.4, 90.4]	264	88.8	[83.2, 92.7]	255	0.469	0.686	81.8	[75.0, 87.1]	269	0.153	0.369
Hispanic	82.2	[65.5, 91.9]	53	79.1	[60.9, 90.2]	56	0.587	0.508	81.2	[63.2, 91.5]	56	0.833	0.946
Other, non-Hispanic	86.6	[76.6, 92.8]	104	83.5	[72.6, 90.6]	102	0.488	0.391	84.1	[73.7, 90.9]	101	0.644	0.786
FPL category (DW)													
0-35%	87.5	[83.7, 90.5]	699	88.6	[85.0, 91.4]	682	0.699	Ref	85.1	[81.1, 88.3]	696	0.187	Ref
36-99%	84.6	[79.3, 88.8]	416	84.9	[79.5, 89.1]	407	0.940	0.730	84.7	[79.2, 89.0]	411	0.824	0.560
100%+	89.3	[84.4, 92.8]	317	88.8	[83.7, 92.5]	302	0.783	0.606	88.7	[83.7, 92.3]	310	0.750	0.725
Region (DW)													
UP/NW/NE	87.8	[81.5, 92.2]	277	92.1	[88.0, 94.8]	266	0.192	Ref	89.8	[85.2, 93.1]	274	0.584	Ref
W/E Central/E	88.8	[84.3, 92.1]	474	89.0	[84.4, 92.3]	468	0.973	0.288	88.9	[84.6, 92.1]	469	0.885	0.600
S Central/SW/SE	84.2	[77.5, 89.3]	275	84.4	[77.8, 89.3]	265	0.988	0.326	85.3	[79.2, 89.8]	269	0.933	0.617
Detroit Metro	86.9	[82.4, 90.4]	406	87.2	[82.8, 90.6]	392	0.762	0.213	82.9	[78.0, 87.0]	405	0.103	0.175
Chronic condition (2016, 2017, 2018)													
Yes	89.8	[86.7, 92.3]	988	90.9	[88.0, 93.1]	965	0.686	0.589	88.9	[85.8, 91.4]	975	0.425	0.836
No	82.1	[77.3, 86.1]	444	81.9	[76.9, 86.0]	426	0.764	Ref	80.0	[74.8, 84.3]	442	0.329	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	89.3	[86.3, 91.7]	944	90.2	[87.3, 92.5]	910	0.811	0.846	89.5	[86.4, 91.9]	921	0.859	0.298
No	82.8	[77.7, 86.9]	488	83.0	[78.1, 87.0]	481	0.957	Ref	78.9	[73.6, 83.3]	496	0.125	Ref
Total	87.1	[84.5, 89.3]	1,432	87.7	[85.2, 89.8]	1,391	0.919		85.7	[83.0, 88.0]	1,417	0.204	

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

5.2.2 Predictors of PCP visit in past 12 months (2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	PCP visit in past 12 months (N=1,464)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	1.06	[0.76, 1.48]	0.731
2018	0.79	[0.55, 1.14]	0.210
Age (DW)			
19-34		Ref	
35-50	1.22	[0.71, 2.10]	0.463
51-64	1.97	[1.12, 3.45]	0.018
Gender (DW)			
Male		Ref	
Female	1.66	[1.05, 2.62]	0.029
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	0.67	[0.36, 1.25]	0.203
Hispanic	0.59	[0.20, 1.72]	0.333
Other, non-Hispanic	0.86	[0.39, 1.90]	0.711
FPL category (DW)^b			
0-35%		Ref	
36-99%	0.85	[0.54, 1.34]	0.486
100%+	0.59	[0.35, 0.99]	0.047
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	0.88	[0.48, 1.60]	0.669
S Central/SW/SE	0.48	[0.25, 0.93]	0.029
Detroit Metro	0.79	[0.41, 1.52]	0.480
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	2.40	[1.51, 3.83]	<0.001
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	2.37	[1.51, 3.72]	<0.001

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

5.3 Dental care utilization

5.3.1 Any preventive dental visit in past 12 months (DW) (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Age (DW)													
19-34	20.8	[16.5, 25.8]	376	38.2	[32.7, 44.0]	376	<0.001	Ref	27.4	[22.5, 32.8]	376	0.034	Ref
35-50	17.7	[14.1, 22.1]	478	27.5	[23.1, 32.5]	478	<0.001	0.210	20.7	[16.8, 25.3]	478	0.199	0.463
51-64	15.7	[12.9, 19.1]	635	25.1	[21.3, 29.3]	635	<0.001	0.186	21.5	[18.0, 25.4]	635	0.012	0.945
Gender (DW)													
Male	12.7	[9.8, 16.3]	557	25.3	[21.1, 29.9]	557	<0.001	Ref	17.7	[14.3, 21.8]	557	0.030	Ref
Female	23.4	[20.1, 27.0]	932	35.8	[32.0, 39.7]	932	<0.001	0.300	28.5	[25.0, 32.3]	932	0.015	0.625
Race/ethnicity (2016)													
White, non-Hispanic	19.1	[16.4, 22.2]	1,025	33.6	[30.1, 37.4]	1,025	<0.001	Ref	25.5	[22.4, 28.8]	1,025	0.001	Ref
Black, non-Hispanic	11.9	[8.2, 16.8]	281	23.6	[18.2, 30.1]	281	<0.001	0.838	17.3	[12.7, 23.2]	281	0.046	0.803
Hispanic	15.9	[7.7, 30.2]	57	33.5	[21.2, 48.5]	57	0.091	0.705	15.4	[7.9, 27.8]	57	0.942	0.431
Other, non-Hispanic	25.2	[16.6, 36.5]	109	31.2	[21.6, 42.9]	109	0.372	0.186	31.0	[21.4, 42.5]	109	0.303	0.795
FPL category (DW)													
0-35%	17.0	[14.0, 20.6]	731	25.9	[22.3, 29.9]	731	<0.001	Ref	21.2	[17.9, 25.0]	731	0.046	Ref
36-99%	21.0	[16.6, 26.2]	431	36.8	[31.2, 42.8]	431	<0.001	0.164	26.9	[22.0, 32.5]	431	0.045	0.737
100%+	18.3	[13.8, 23.8]	327	36.6	[30.3, 43.4]	327	<0.001	0.095	24.7	[19.5, 30.9]	327	0.083	0.659
Region (DW)													
UP/NW/NE	19.7	[15.2, 25.0]	284	35.9	[29.7, 42.5]	284	<0.001	Ref	34.7	[28.6, 41.4]	284	< 0.001	Ref
W/E Central/E	20.5	[16.5, 25.1]	491	35.8	[30.9, 41.1]	491	<0.001	0.660	28.6	[24.0, 33.7]	491	0.007	0.113
S Central/SW/SE	16.7	[12.2, 22.5]	293	28.4	[22.7, 35.0]	293	0.002	0.448	18.2	[13.7, 23.8]	293	0.672	0.013
Detroit Metro	17.3	[13.6, 21.7]	421	27.4	[22.8, 32.7]	421	<0.001	0.222	19.8	[15.7, 24.5]	421	0.304	0.006
Chronic condition (2016, 2017, 2018)													
Yes	17.1	[14.5, 20.1]	1,015	28.8	[25.4, 32.4]	1,015	<0.001	0.786	20.7	[17.8, 23.8]	1,015	0.049	0.305
No	20.4	[16.4, 25.1]	474	34.3	[29.3, 39.7]	474	<0.001	Ref	28.1	[23.5, 33.3]	474	0.007	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	19.5	[16.6, 22.7]	972	31.0	[27.5, 34.7]	972	<0.001	0.220	23.7	[20.5, 27.1]	972	0.039	0.308
No	16.2	[12.8, 20.3]	517	30.5	[25.8, 35.7]	517	<0.001	Ref	22.9	[18.7, 27.6]	517	0.003	Ref
Employed/self-employed (2018)													
Yes	18.6	[15.6, 22.1]	822	33.4	[29.6, 37.5]	822	<0.001	0.159	25.1	[21.7, 28.9]	822	0.002	0.331
No	17.9	[14.6, 21.8]	667	27.5	[23.4, 31.9]	667	<0.001	Ref	21.2	[17.6, 25.3]	667	0.148	Ref
Knowledge that routine dental care is covered (2016)													
Yes	22.7	[19.9, 25.8]	1,161	36.6	[33.2, 40.1]	1,161	<0.001	Ref	27.5	[24.5, 30.8]	1,161	0.010	Ref
No	6.1	[2.0, 16.9]	56	12.5	[4.2, 31.5]	56	0.437	0.986	13.8	[5.1, 32.0]	56	0.369	0.475
Don't know	2.5	[1.2, 5.3]	270	10.2	[6.7, 15.4]	270	0.001	0.095	8.1	[4.9, 13.4]	270	0.011	0.055
Total	18.3	[16.0, 20.8]	1,489	30.8	[28.0, 33.8]	1,489	<0.001		23.4	[20.9, 26.1]	1,489	0.001	

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

5.3.2 Predictors of any preventive dental visit in past 12 months (DW) (2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Any preventive dental visit in past 12 months (DW) (N=1,472)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	3.24	[2.39, 4.40]	<0.001
2018	1.73	[1.28, 2.33]	<0.001
Age (DW)			
19-34		Ref	
35-50	0.61	[0.40, 0.93]	0.020
51-64	0.41	[0.27, 0.62]	<0.001
Gender (DW)			
Male		Ref	
Female	2.34	[1.63, 3.34]	<0.001
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	0.52	[0.31, 0.85]	0.010
Hispanic	0.69	[0.30, 1.57]	0.371
Other, non-Hispanic	1.71	[0.90, 3.23]	0.100
FPL category (DW)^b			
0-35%		Ref	
36-99%	1.09	[0.78, 1.51]	0.625
100%+	1.37	[0.94, 2.02]	0.104
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	0.86	[0.54, 1.39]	0.545
S Central/SW/SE	0.47	[0.27, 0.82]	0.008
Detroit Metro	0.48	[0.28, 0.82]	0.007
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	0.81	[0.55, 1.19]	0.283
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	1.08	[0.74, 1.59]	0.690
Employed/self-employed (2016-2018)^b			
No		Ref	
Yes	1.11	[0.81, 1.53]	0.516
Knowledge that routine dental care is covered (2016)			
Yes		Ref	
No	0.14	[0.04, 0.45]	0.001
Don't know	0.08	[0.05, 0.15]	<0.001

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

5.3.3 Any other dental visit in past 12 months (DW) (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Age (DW)													
19-34	22.0	[17.8, 26.9]	376	38.2	[32.7, 44.0]	376	<0.001	Ref	29.0	[24.0, 34.6]	376	0.040	Ref
35-50	31.1	[26.3, 36.2]	478	34.5	[29.5, 39.9]	478	0.339	0.012	30.1	[25.3, 35.4]	478	0.774	0.083
51-64	29.3	[25.4, 33.6]	635	28.6	[24.5, 33.0]	635	0.787	<0.001	26.6	[22.6, 31.1]	635	0.361	0.030
Gender (DW)													
Male	21.2	[17.5, 25.3]	557	32.1	[27.5, 37.1]	557	0.001	Ref	25.7	[21.5, 30.4]	557	0.123	Ref
Female	32.7	[29.1, 36.5]	932	36.2	[32.4, 40.1]	932	0.201	0.046	31.5	[27.8, 35.4]	932	0.627	0.124
Race/ethnicity (2016)													
White, non-Hispanic	27.4	[24.2, 30.7]	1,025	34.8	[31.1, 38.6]	1,025	0.003	Ref	28.8	[25.4, 32.4]	1,025	0.558	Ref
Black, non-Hispanic	25.4	[20.0, 31.6]	281	32.7	[26.5, 39.6]	281	0.075	0.965	26.1	[20.3, 32.9]	281	0.837	0.902
Hispanic	21.6	[11.7, 36.5]	57	31.2	[18.8, 47.1]	57	0.349	0.782	24.5	[14.6, 38.1]	57	0.745	0.856
Other, non-Hispanic	29.2	[20.3, 39.9]	109	37.7	[27.5, 49.2]	109	0.321	0.929	39.0	[28.6, 50.5]	109	0.187	0.294
FPL category (DW)													
0-35%	28.5	[24.8, 32.6]	731	34.0	[29.9, 38.4]	731	0.067	Ref	26.6	[22.8, 30.7]	731	0.458	Ref
36-99%	27.6	[22.8, 33.0]	431	35.0	[29.4, 41.1]	431	0.064	0.691	31.8	[26.3, 37.9]	431	0.281	0.190
100%+	23.0	[18.5, 28.4]	327	33.9	[27.8, 40.6]	327	0.007	0.244	30.8	[24.9, 37.4]	327	0.041	0.036
Region (DW)													
UP/NW/NE	27.5	[22.4, 33.3]	284	30.6	[24.8, 37.1]	284	0.446	Ref	34.5	[28.2, 41.4]	284	0.124	Ref
W/E Central/E	30.0	[25.6, 34.7]	491	32.5	[27.8, 37.6]	491	0.426	0.912	26.6	[22.2, 31.6]	491	0.309	0.066
S Central/SW/SE	25.2	[20.2, 31.0]	293	41.4	[34.8, 48.4]	293	<0.001	0.035	29.1	[23.1, 35.8]	293	0.349	0.659
Detroit Metro	26.3	[21.8, 31.3]	421	33.2	[28.1, 38.7]	421	0.064	0.487	28.8	[24.0, 34.1]	421	0.438	0.461
Chronic condition (2016, 2017, 2018)													
Yes	27.8	[24.6, 31.3]	1,015	33.0	[29.5, 36.8]	1,015	0.043	0.277	29.6	[26.2, 33.4]	1,015	0.439	0.832
No	26.3	[21.9, 31.2]	474	36.3	[31.2, 41.8]	474	0.004	Ref	27.2	[22.5, 32.5]	474	0.781	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	28.3	[25.0, 31.8]	972	35.6	[31.9, 39.5]	972	0.005	0.900	29.0	[25.6, 32.8]	972	0.761	0.575
No	25.3	[21.0, 30.1]	517	31.7	[26.8, 37.0]	517	0.064	Ref	28.2	[23.5, 33.5]	517	0.369	Ref
Employed/self-employed (2018)													
Yes	23.9	[20.6, 27.5]	822	34.2	[30.3, 38.4]	822	<0.001	0.058	27.7	[24.0, 31.7]	822	0.120	0.167
No	31.5	[27.3, 36.0]	667	34.3	[29.8, 39.1]	667	0.395	Ref	30.1	[25.8, 34.7]	667	0.640	Ref
Knowledge that routine dental care is covered (2016)													
Yes	33.0	[29.8, 36.3]	1,161	38.1	[34.7, 41.7]	1,161	0.040	Ref	31.7	[28.4, 35.1]	1,161	0.563	Ref
No	14.0	[5.5, 31.3]	56	33.7	[19.5, 51.6]	56	0.162	0.223	14.6	[6.0, 31.5]	56	0.951	0.888
Don't know	6.2	[3.9, 9.7]	270	18.4	[13.3, 25.0]	270	<0.001	0.003	19.5	[14.2, 26.2]	270	<0.001	<0.001
Total	27.3	[24.6, 30.1]	1,489	34.3	[31.3, 37.4]	1,489	0.001		28.8	[25.9, 31.8]	1,489	0.437	

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

5.3.4 Predictors of any other dental visit in past 12 months (DW) (2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Any other dental visit in past 12 months (DW) (N=1,472)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	1.54	[1.23, 1.92]	<0.001
2018	1.14	[0.92, 1.42]	0.221
Age (DW)			
19-34		Ref	
35-50	1.15	[0.90, 1.48]	0.260
51-64	0.82	[0.64, 1.06]	0.129
Gender (DW)			
Male		Ref	
Female	1.37	[1.12, 1.68]	0.003
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	0.91	[0.69, 1.21]	0.519
Hispanic	0.83	[0.50, 1.38]	0.476
Other, non-Hispanic	1.39	[1.01, 1.90]	0.041
FPL category (DW)^b			
0-35%		Ref	
36-99%	1.11	[0.90, 1.37]	0.312
100%+	1.08	[0.84, 1.39]	0.543
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	0.91	[0.69, 1.19]	0.476
S Central/SW/SE	1.04	[0.77, 1.41]	0.794
Detroit Metro	0.88	[0.65, 1.18]	0.389
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	1.04	[0.83, 1.32]	0.710
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	1.12	[0.90, 1.39]	0.326
Employed/self-employed (2016-2018)^b			
No		Ref	
Yes	0.82	[0.67, 1.01]	0.056
Knowledge that routine dental care is covered (2016)			
Yes		Ref	
No	0.45	[0.25, 0.79]	0.006
Don't know	0.30	[0.22, 0.40]	<0.001

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

5.4 Self-reported emergency room use

5.4.1 ER visit in past 12 months/since HMP coverage ended (change 2016-2018), among all respondents

	2016			2017				2018					
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
HMP/Medicaid enrollment pattern (DW)													
Stayed on	38.3	[35.6, 41.0]	1,994	32.8	[30.2, 35.4]	2,002	<0.001	Ref	31.7	[29.2, 34.3]	2,002	<0.001	Ref
Off for 6+ months	30.7	[25.5, 36.4]	397	17.8	[13.8, 22.8]	398	<0.001	0.015	20.8	[16.7, 25.6]	398	0.004	0.259
Churned off/on	38.6	[30.8, 47.1]	202	29.4	[22.4, 37.5]	202	0.041	0.424	40.2	[32.2, 48.7]	202	0.756	0.104
Age (DW)													
19-34	39.4	[35.4, 43.6]	730	32.3	[28.5, 36.3]	733	0.002	Ref	32.8	[29.0, 36.9]	733	0.007	Ref
35-50	38.3	[34.3, 42.4]	807	29.4	[25.7, 33.3]	810	<0.001	0.549	30.0	[26.4, 33.8]	810	<0.001	0.594
51-64	31.9	[28.4, 35.6]	1,056	27.5	[24.2, 31.1]	1,059	0.026	0.411	28.6	[25.3, 32.2]	1,059	0.153	0.353
Gender (DW)													
Male	33.3	[29.8, 36.9]	997	26.1	[23.0, 29.5]	1,000	<0.001	Ref	28.3	[25.1, 31.8]	1,000	0.025	Ref
Female	40.6	[37.7, 43.7]	1,596	33.7	[30.9, 36.7]	1,602	<0.001	0.759	33.0	[30.2, 36.0]	1,602	<0.001	0.412
Race/ethnicity (2016)													
White, non-Hispanic	34.6	[31.9, 37.5]	1,732	29.7	[27.0, 32.4]	1,741	0.002	Ref	28.4	[25.8, 31.1]	1,741	<0.001	Ref
Black, non-Hispanic	41.7	[36.8, 46.7]	536	32.6	[28.0, 37.4]	536	0.001	0.243	36.3	[31.6, 41.3]	536	0.073	0.667
Hispanic	39.3	[28.7, 50.9]	107	30.6	[20.9, 42.4]	107	0.122	0.539	18.5	[11.2, 29.0]	107	0.001	0.019
Other, non-Hispanic	39.4	[31.3, 48.1]	185	25.7	[19.0, 33.8]	185	0.001	0.050	35.0	[27.1, 43.7]	185	0.384	0.682
FPL category (DW)													
0-35%	38.1	[35.1, 41.2]	1,501	31.8	[29.0, 34.8]	1,509	<0.001	Ref	31.7	[28.9, 34.7]	1,509	<0.001	Ref
36-99%	36.0	[31.4, 40.8]	645	28.1	[24.0, 32.7]	646	0.005	0.590	28.8	[24.6, 33.3]	646	0.008	0.768
100%+	34.6	[29.4, 40.3]	447	25.7	[21.0, 31.1]	447	0.003	0.380	29.8	[24.8, 35.4]	447	0.165	0.710
Region (DW)													
UP/NW/NE	34.0	[29.3, 39.0]	484	27.9	[23.4, 32.8]	487	0.031	Ref	25.5	[21.3, 30.2]	487	0.005	Ref
W/E Central/E	35.5	[31.7, 39.5]	818	28.4	[24.9, 32.2]	821	0.003	0.817	30.9	[27.3, 34.8]	821	0.066	0.272
S Central/SW/SE	40.1	[35.1, 45.3]	525	32.3	[27.6, 37.4]	526	0.011	0.774	31.1	[26.5, 36.1]	526	0.004	0.960
Detroit Metro	37.4	[33.5, 41.5]	766	30.6	[26.9, 34.5]	768	0.001	0.857	31.5	[27.9, 35.5]	768	0.010	0.449
Chronic condition (2016, 2017, 2018)													
Yes	43.0	[40.1, 46.0]	1,728	36.1	[33.2, 39.0]	1,735	<0.001	0.506	35.7	[32.9, 38.6]	1,735	<0.001	0.642
No	27.6	[24.1, 31.3]	865	20.4	[17.3, 23.9]	867	0.001	Ref	22.8	[19.6, 26.4]	867	0.032	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	44.8	[41.8, 47.8]	1,678	37.3	[34.4, 40.2]	1,685	<0.001	0.718	37.3	[34.5, 40.2]	1,685	<0.001	0.660
No	23.7	[20.4, 27.4]	915	17.5	[14.6, 20.8]	917	0.001	Ref	19.3	[16.3, 22.8]	917	0.039	Ref
RSOC in last 12 months/since HMP coverage ended was doctor's office/clinic (2018)													
Yes	37.0	[34.5, 39.7]	2,114	31.0	[28.6, 33.6]	2,120	<0.001	0.143	31.8	[29.3, 34.3]	2,120	0.001	0.162
No	37.2	[32.2, 42.5]	479	26.7	[22.4, 31.6]	482	<0.001	Ref	27.2	[22.8, 32.2]	482	0.002	Ref

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	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
RSOC prior to HMP was doctor's office/clinic (2016)													
Yes	36.0	[32.8, 39.3]	1,345	30.2	[27.2, 33.4]	1,348	0.001	Ref	29.6	[26.6, 32.7]	1,348	0.002	Ref
No	38.1	[34.8, 41.4]	1,244	29.8	[26.8, 33.0]	1,250	<0.001	0.308	31.8	[28.7, 35.0]	1,250	0.001	0.957
Employed/self-employed (2018)													
Yes	33.1	[30.2, 36.1]	1,465	26.1	[23.5, 29.0]	1,468	<0.001	0.777	26.9	[24.2, 29.8]	1,468	<0.001	0.872
No	42.7	[39.1, 46.4]	1,127	35.6	[32.1, 39.2]	1,133	<0.001	Ref	36.2	[32.7, 39.8]	1,133	0.006	Ref
Housing instability (2018)													
Yes	52.5	[43.8, 61.0]	185	39.2	[31.1, 47.9]	185	0.004	0.212	45.7	[37.3, 54.4]	185	0.211	0.957
No	35.6	[33.3, 38.0]	2,408	29.2	[27.0, 31.5]	2,417	<0.001	Ref	29.3	[27.1, 31.6]	2,417	<0.001	Ref
Total	37.1	[34.8, 39.4]	2,593	30.0	[27.9, 32.3]	2,602	<0.001		30.7	[28.6, 33.0]	2,602	<0.001	

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

5.4.2 Predictors of ER visit in past 12 months/since HMP coverage ended (2016-2018), among all respondents

	ER visit in last 12 months/since HMP coverage ended (N=2,565)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	0.64	[0.54, 0.75]	<0.001
2018	0.67	[0.55, 0.80]	<0.001
HMP/Medicaid enrollment pattern (DW)			
Stayed on		Ref	
Off for 6+ months	0.66	[0.49, 0.87]	0.003
Churned off/on	1.05	[0.71, 1.54]	0.813
Age (DW)			
19-34		Ref	
35-50	0.68	[0.53, 0.87]	0.002
51-64	0.51	[0.39, 0.66]	<0.001
Gender (DW)			
Male		Ref	
Female	1.58	[1.28, 1.96]	<0.001
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	1.58	[1.21, 2.06]	0.001
Hispanic	1.06	[0.61, 1.84]	0.839
Other, non-Hispanic	1.42	[0.95, 2.13]	0.085
FPL category (DW)^b			
0-35%		Ref	
36-99%	0.89	[0.72, 1.10]	0.278
100%+	1.02	[0.80, 1.29]	0.887
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	1.02	[0.78, 1.34]	0.899
S Central/SW/SE	1.20	[0.88, 1.63]	0.247
Detroit Metro	1.09	[0.80, 1.47]	0.583
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	2.29	[1.82, 2.89]	<0.001
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	3.05	[2.42, 3.84]	<0.001
RSOC in last 12 months/since HMP coverage ended was doctor's office/clinic (2016-2018)^b			
No		Ref	
Yes	1.09	[0.84, 1.42]	0.516
RSOC prior to HMP was doctor's office/clinic (2016)			
Yes		Ref	
No	1.18	[0.96, 1.45]	0.115
Employed/self-employed (2016-2018)^b			
No		Ref	
Yes	0.77	[0.63, 0.94]	0.011
Housing instability (2018)			
No		Ref	
Yes	1.75	[1.23, 2.50]	0.002

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

5.4.3 ER visit in past 12 months (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Age (DW)													
19-34	43.2	[37.5, 49.0]	375	35.2	[29.7, 41.2]	358	0.015	Ref	33.6	[28.3, 39.4]	373	0.007	Ref
35-50	38.4	[33.3, 43.7]	478	33.1	[28.1, 38.5]	460	0.067	0.597	33.7	[28.8, 38.9]	472	0.122	0.273
51-64	30.6	[26.2, 35.3]	633	28.6	[24.3, 33.3]	627	0.398	0.182	29.3	[24.9, 34.1]	635	0.636	0.084
Gender (DW)													
Male	35.1	[30.4, 40.1]	557	30.8	[26.3, 35.8]	546	0.113	Ref	31.8	[27.3, 36.7]	551	0.296	Ref
Female	40.7	[36.8, 44.7]	929	34.3	[30.4, 38.3]	899	0.003	0.555	33.0	[29.3, 37.0]	929	<0.001	0.230
Race/ethnicity (2016)													
White, non-Hispanic	35.7	[32.1, 39.5]	1,022	31.9	[28.3, 35.8]	996	0.083	Ref	30.4	[27.0, 34.1]	1,018	0.019	Ref
Black, non-Hispanic	41.9	[35.2, 48.9]	281	35.7	[29.1, 42.8]	270	0.071	0.508	37.9	[31.4, 44.9]	280	0.275	0.730
Hispanic	36.3	[22.8, 52.3]	57	35.2	[21.7, 51.4]	56	0.832	0.722	20.9	[11.0, 36.1]	56	0.103	0.262
Other, non-Hispanic	44.3	[33.6, 55.6]	109	27.4	[18.6, 38.4]	106	0.002	0.030	36.1	[26.1, 47.6]	109	0.267	0.755
FPL category (DW)													
0-35%	39.7	[35.3, 44.1]	729	34.6	[30.4, 39.1]	710	0.027	Ref	35.2	[31.0, 39.6]	725	0.076	Ref
36-99%	38.0	[32.2, 44.0]	430	30.1	[24.7, 36.0]	420	0.030	0.575	29.2	[23.9, 35.1]	430	0.014	0.312
100%+	33.4	[27.3, 40.1]	327	30.3	[24.3, 37.1]	315	0.371	0.628	29.1	[23.2, 35.8]	325	0.312	0.996
Region (DW)													
UP/NW/NE	35.7	[29.6, 42.3]	284	27.1	[21.2, 33.8]	273	0.033	Ref	26.2	[20.8, 32.5]	283	0.012	Ref
W/E Central/E	37.5	[32.6, 42.8]	491	32.6	[27.8, 37.9]	482	0.114	0.435	33.3	[28.5, 38.5]	487	0.223	0.244
S Central/SW/SE	40.3	[33.7, 47.4]	292	34.4	[27.9, 41.5]	282	0.154	0.544	31.3	[25.1, 38.1]	291	0.019	0.868
Detroit Metro	37.9	[32.6, 43.4]	419	33.1	[28.0, 38.6]	408	0.069	0.443	33.7	[28.6, 39.1]	419	0.161	0.270
Chronic condition (2016, 2017, 2018)													
Yes	43.5	[39.6, 47.4]	1,013	37.8	[34.0, 41.8]	989	0.006	0.917	36.4	[32.7, 40.2]	1,009	0.002	0.379
No	28.5	[23.9, 33.7]	473	23.6	[19.1, 28.7]	456	0.097	Ref	25.7	[21.1, 31.0]	471	0.353	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	46.5	[42.6, 50.4]	970	39.9	[36.0, 43.9]	944	0.003	0.550	39.5	[35.7, 43.5]	964	0.004	0.522
No	22.3	[18.1, 27.1]	516	19.3	[15.2, 24.1]	501	0.222	Ref	19.4	[15.4, 24.3]	516	0.297	Ref
RSOC in last 12 months was doctor's office/clinic (2018)													
Yes	38.1	[34.8, 41.5]	1,286	33.2	[29.9, 36.6]	1,252	0.006	0.577	32.4	[29.2, 35.7]	1,281	0.005	0.887
No	38.0	[30.4, 46.3]	199	30.4	[23.4, 38.4]	192	0.112	Ref	33.0	[25.7, 41.3]	198	0.277	Ref
RSOC prior to HMP was doctor's office/clinic (2016)													
Yes	38.7	[34.3, 43.3]	756	33.0	[28.7, 37.5]	731	0.013	Ref	29.8	[25.9, 34.2]	755	0.001	Ref
No	37.4	[33.2, 41.8]	729	32.2	[28.1, 36.6]	713	0.038	0.889	34.9	[30.7, 39.3]	724	0.317	0.076
Employed/self-employed (2018)													
Yes	34.3	[30.4, 38.5]	821	28.6	[24.8, 32.8]	794	0.013	0.708	29.0	[25.2, 33.1]	817	0.016	0.967
No	42.7	[38.0, 47.6]	665	37.6	[33.0, 42.4]	651	0.049	Ref	36.9	[32.4, 41.6]	663	0.060	Ref

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	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Housing instability (2018)													
Yes	60.8	[48.7, 71.6]	97	48.1	[36.1, 60.3]	94	0.050	0.242	49.5	[37.6, 61.5]	96	0.140	0.474
No	36.0	[32.9, 39.3]	1,389	31.3	[28.2, 34.5]	1,351	0.007	Ref	31.0	[28.0, 34.1]	1,384	0.007	Ref
Total	38.0	[35.0, 41.2]	1,486	32.6	[29.6, 35.8]	1,445	0.002		32.5	[29.5, 35.5]	1,480	0.003	

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

5.4.4 Predictors of ER visit in past 12 months (2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	ER visit in last 12 months (N=1,471)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	0.68	[0.54, 0.85]	0.001
2018	0.69	[0.54, 0.89]	0.004
Age (DW)			
19-34		Ref	
35-50	0.74	[0.52, 1.06]	0.100
51-64	0.50	[0.35, 0.71]	<0.001
Gender (DW)			
Male		Ref	
Female	1.57	[1.17, 2.12]	0.003
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	1.44	[0.97, 2.15]	0.071
Hispanic	1.03	[0.44, 2.40]	0.940
Other, non-Hispanic	1.42	[0.85, 2.37]	0.186
FPL category (DW)^b			
0-35%		Ref	
36-99%	0.91	[0.68, 1.24]	0.563
100%+	0.92	[0.64, 1.31]	0.641
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	1.21	[0.83, 1.75]	0.331
S Central/SW/SE	1.18	[0.77, 1.82]	0.450
Detroit Metro	1.25	[0.82, 1.91]	0.307
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	2.00	[1.43, 2.78]	<0.001
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	3.95	[2.84, 5.51]	<0.001
RSOC in last 12 months was doctor's office/clinic (2016-2018)^b			
No		Ref	
Yes	0.88	[0.61, 1.27]	0.493
RSOC prior to HMP was doctor's office/clinic (2016)			
Yes		Ref	
No	1.22	[0.92, 1.63]	0.172
Employed/self-employed (2016-2018)^b			
No		Ref	
Yes	0.80	[0.60, 1.05]	0.109
Housing instability (2018)			
No		Ref	
Yes	2.25	[1.35, 3.76]	0.002

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

5.4.5 Tried to contact PCP before going to ER (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Age (DW)													
19-34	28.3	[21.2, 36.5]	167	12.6	[7.8, 19.6]	129	0.006	Ref	15.8	[9.8, 24.6]	124	0.042	Ref
35-50	21.0	[15.2, 28.4]	188	17.7	[11.8, 25.6]	157	0.581	0.096	19.8	[13.8, 27.7]	165	0.768	0.177
51-64	31.5	[23.8, 40.3]	179	24.5	[16.7, 34.3]	171	0.362	0.159	27.1	[18.8, 37.4]	153	0.682	0.235
Gender (DW)													
Male	21.7	[15.6, 29.3]	187	10.3	[6.3, 16.3]	166	0.016	Ref	15.5	[10.0, 23.1]	165	0.213	Ref
Female	30.0	[24.6, 36.0]	347	23.2	[17.6, 29.8]	291	0.222	0.149	24.1	[18.4, 30.8]	277	0.253	0.710
Race/ethnicity (2016)													
White, non-Hispanic	25.3	[20.4, 31.0]	349	16.0	[11.8, 21.3]	302	0.018	Ref	20.5	[15.6, 26.5]	287	0.266	Ref
Black, non-Hispanic	27.6	[19.0, 38.2]	113	16.5	[9.9, 26.3]	100	0.095	0.878	17.5	[10.4, 28.0]	100	0.160	0.450
Hispanic	25.4	[11.1, 48.3]	21	19.0	[7.0, 42.1]	18	---	0.663	40.1	[15.9, 70.5]	13	---	0.192
Other, non-Hispanic	30.3	[17.4, 47.1]	46	31.3	[15.0, 54.1]	32	0.854	0.329	22.0	[9.2, 44.0]	36	0.510	0.894
FPL category (DW)													
0-35%	23.0	[17.8, 29.3]	279	15.3	[11.0, 20.8]	244	0.090	Ref	16.8	[12.2, 22.6]	244	0.072	Ref
36-99%	28.9	[21.2, 38.0]	146	23.8	[15.8, 34.3]	119	0.442	0.636	25.1	[16.1, 37.0]	113	0.740	0.454
100%+	33.6	[23.3, 45.9]	109	15.2	[7.4, 28.8]	94	0.066	0.411	24.5	[14.6, 38.1]	85	0.466	0.730
Region (DW)													
UP/NW/NE	18.4	[11.8, 27.4]	103	14.2	[7.8, 24.4]	74	0.465	Ref	20.3	[12.7, 30.9]	73	0.740	Ref
W/E Central/E	33.5	[26.1, 41.8]	174	18.1	[12.3, 25.7]	149	0.006	0.317	20.4	[14.0, 28.8]	146	0.015	0.083
S Central/SW/SE	28.0	[19.0, 39.0]	105	14.9	[8.4, 25.0]	92	0.077	0.470	28.8	[18.4, 42.0]	86	0.674	0.946
Detroit Metro	22.5	[16.0, 30.6]	152	18.4	[12.2, 26.7]	142	0.586	0.846	16.4	[10.5, 24.7]	137	0.288	0.335
Chronic condition (2016, 2017, 2018)													
Yes	28.5	[23.4, 34.2]	401	19.0	[14.6, 24.5]	355	0.032	0.762	21.5	[16.7, 27.3]	335	0.097	0.760
No	20.6	[14.1, 29.0]	133	12.5	[7.0, 21.4]	102	0.170	Ref	16.6	[9.7, 26.9]	107	0.566	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	26.8	[22.0, 32.1]	426	17.2	[13.1, 22.3]	368	0.016	0.657	20.2	[15.5, 25.7]	354	0.074	0.555
No	24.7	[16.7, 34.9]	108	17.7	[10.1, 29.0]	89	0.436	Ref	19.8	[11.9, 31.2]	88	0.898	Ref
RSOC in last 12 months is doctor's office/clinic (2018)													
Yes	25.6	[21.2, 30.6]	454	19.0	[14.8, 24.2]	389	0.110	0.020	22.7	[17.9, 28.3]	376	0.589	0.003
No	29.8	[19.2, 43.1]	80	8.4	[3.6, 18.4]	68	0.001	Ref	7.8	[3.5, 16.5]	66	0.002	Ref
RSOC prior to HMP is doctor's office/clinic (2016)													
Yes	24.9	[19.1, 31.7]	266	20.5	[14.8, 27.8]	231	0.573	Ref	22.2	[16.1, 29.8]	216	0.765	Ref
No	27.8	[22.0, 34.4]	268	14.4	[10.0, 20.2]	225	0.001	0.073	18.4	[13.2, 25.1]	225	0.034	0.207
Employed/self-employed (2018)													
Yes	29.9	[23.8, 36.9]	266	15.3	[10.5, 21.7]	215	0.002	0.063	21.7	[15.5, 29.4]	209	0.178	0.790
No	22.7	[17.4, 29.1]	268	19.3	[14.0, 25.9]	242	0.620	Ref	18.5	[13.5, 24.8]	233	0.264	Ref

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	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Housing instability (2018)													
Yes	32.8	[19.8, 49.2]	54	18.9	[10.4, 31.9]	47	0.112	0.376	22.0	[10.6, 40.0]	47	0.160	0.421
No	25.4	[21.1, 30.2]	480	17.1	[13.1, 22.0]	410	0.042	Ref	19.8	[15.5, 24.9]	395	0.196	Ref
Total	26.3	[22.1, 31.0]	534	17.3	[13.6, 21.8]	457	0.011		20.1	[16.0, 25.0]	442	0.081	

Dashes indicate we were not able to conduct significance testing for this subgroup.

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

5.4.6 Predictors of tried to contact PCP before going to ER (2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Tried to contact PCP before going to ER (N=821)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	0.63	[0.39, 1.01]	0.053
2018	0.76	[0.48, 1.21]	0.246
Age (DW)			
19-34		Ref	
35-50	0.98	[0.57, 1.69]	0.940
51-64	1.80	[1.00, 3.25]	0.050
Gender (DW)			
Male		Ref	
Female	2.49	[1.48, 4.18]	0.001
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	1.23	[0.63, 2.39]	0.546
Hispanic	2.08	[0.61, 7.09]	0.241
Other, non-Hispanic	2.58	[1.09, 6.12]	0.031
FPL category (DW)^b			
0-35%		Ref	
36-99%	1.54	[0.93, 2.56]	0.095
100%+	1.90	[1.06, 3.40]	0.030
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	2.20	[1.18, 4.08]	0.013
S Central/SW/SE	2.33	[1.16, 4.67]	0.018
Detroit Metro	1.09	[0.54, 2.20]	0.819
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	1.77	[1.02, 3.06]	0.042
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	1.07	[0.61, 1.88]	0.810
RSOC in last 12 months was doctor's office/clinic (2016-2018)^b			
No		Ref	
Yes	3.03	[1.48, 6.21]	0.002
RSOC prior to HMP was doctor's office/clinic (2016)			
Yes		Ref	
No	1.19	[0.74, 1.93]	0.473
Employed/self-employed (2016-2018)^b			
No		Ref	
Yes	0.69	[0.43, 1.11]	0.127
Housing instability (2018)			
No		Ref	
Yes	1.50	[0.72, 3.11]	0.281

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

5.5 Emergency room utilization

5.5.1 Any low-complexity ER visit in last 12 months (DW) (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017				2018					
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Age (DW)													
19-34	4.5	[2.7, 7.6]	376	2.1	[0.9, 4.8]	376	0.129	Ref	3.4	[1.9, 6.2]	376	0.492	Ref
35-50	4.1	[2.4, 7.0]	478	3.0	[1.7, 5.2]	478	0.410	0.482	1.4	[0.7, 2.8]	478	0.006	0.160
51-64	1.8	[0.9, 3.6]	635	1.1	[0.5, 2.3]	635	0.303	0.668	0.6	[0.2, 1.8]	635	0.095	0.310
Gender (DW)													
Male	3.7	[2.1, 6.3]	557	2.1	[1.1, 4.0]	557	0.194	Ref	0.3	[0.1, 1.0]	557	<0.001	Ref
Female	3.6	[2.4, 5.4]	932	2.2	[1.2, 3.8]	932	0.156	0.932	3.4	[2.1, 5.4]	932	0.834	<0.001
Race/ethnicity (2016)													
White, non-Hispanic	3.8	[2.6, 5.5]	1,025	2.3	[1.4, 3.7]	1,025	0.099	Ref	2.2	[1.3, 3.7]	1,025	0.098	Ref
Black, non-Hispanic	4.8	[2.3, 9.5]	281	2.5	[1.0, 6.4]	281	0.311	0.859	2.3	[0.9, 5.6]	281	0.179	0.761
Hispanic	0.0		57	0.0		57	---	---	0.0		57	---	---
Other, non-Hispanic	2.2	[0.8, 6.4]	109	1.6	[0.3, 7.5]	109	0.725	0.862	0.6	[0.1, 4.5]	109	0.275	0.570
FPL category (DW)													
0-35%	4.2	[2.7, 6.5]	731	2.1	[1.2, 3.8]	731	0.062	Ref	2.2	[1.3, 3.9]	731	0.071	Ref
36-99%	3.0	[1.6, 5.6]	431	1.6	[0.7, 3.6]	431	0.251	0.892	2.1	[0.8, 5.1]	431	0.510	0.635
100%+	2.8	[1.2, 6.6]	327	2.9	[1.1, 7.1]	327	0.973	0.338	0.8	[0.3, 2.4]	327	0.036	0.446
Region (DW)													
UP/NW/NE	5.5	[2.9, 10.5]	284	3.1	[1.6, 6.0]	284	0.210	Ref	1.3	[0.5, 3.4]	284	0.018	Ref
W/E Central/E	4.4	[2.5, 7.7]	491	1.3	[0.6, 3.0]	491	0.021	0.375	1.3	[0.6, 3.0]	491	0.004	0.722
S Central/SW/SE	2.6	[1.3, 5.4]	293	2.4	[1.0, 5.7]	293	0.874	0.468	4.0	[1.8, 8.5]	293	0.445	0.021
Detroit Metro	3.2	[1.7, 5.9]	421	2.3	[1.1, 4.8]	421	0.551	0.664	1.6	[0.7, 3.6]	421	0.179	0.303
Chronic condition (2016, 2017, 2018)													
Yes	4.5	[3.0, 6.6]	1,015	2.1	[1.3, 3.5]	1,015	0.022	0.208	2.6	[1.6, 4.2]	1,015	0.084	0.459
No	2.2	[1.3, 3.9]	474	2.2	[1.0, 4.7]	474	---	Ref	0.7	[0.2, 2.3]	474	---	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	4.9	[3.4, 7.0]	972	2.1	[1.3, 3.4]	972	0.008	0.027	2.8	[1.7, 4.4]	972	0.057	0.349
No	1.4	[0.6, 2.8]	517	2.2	[1.0, 4.9]	517	0.343	Ref	0.3	[0.1, 1.4]	517	0.095	Ref
RSOC in last 12 months is doctor's office/clinic (2018)													
Yes	3.1	[2.1, 4.5]	1,289	2.0	[1.2, 3.2]	1,289	0.173	0.530	2.1	[1.3, 3.3]	1,289	0.187	0.103
No	6.5	[3.3, 12.4]	199	2.9	[1.2, 7.0]	199	0.147	Ref	1.2	[0.3, 4.3]	199	0.025	Ref
RSOC prior to HMP is doctor's office/clinic (2016)													
Yes	2.6	[1.4, 4.7]	758	2.1	[1.0, 4.1]	758	0.611	Ref	1.4	[0.8, 2.6]	758	0.131	Ref
No	4.6	[3.1, 6.9]	730	2.2	[1.3, 3.8]	730	0.030	0.367	2.4	[1.3, 4.4]	730	0.077	0.935
Employed/self-employed (2018)													
Yes	3.8	[2.5, 5.8]	822	1.6	[0.8, 2.9]	822	0.025	0.203	1.8	[0.9, 3.5]	822	0.056	0.649
No	3.4	[2.0, 5.9]	667	2.9	[1.6, 5.1]	667	0.653	Ref	2.1	[1.2, 3.7]	667	0.207	Ref

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	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Housing instability (2018)													
Yes	4.7	[1.6, 13.0]	97	1.4	[0.4, 4.3]	97	0.126	0.386	4.4	[1.6, 11.4]	97	0.922	0.433
No	3.6	[2.5, 5.0]	1,392	2.2	[1.4, 3.4]	1,392	0.101	Ref	1.7	[1.0, 2.8]	1,392	0.016	Ref
Total	3.6	[2.6, 5.1]	1,489	2.1	[1.4, 3.3]	1,489	0.055		1.9	[1.2, 3.0]	1,489	0.021	

Dashes indicate we were not able to conduct significance testing for this subgroup.

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

5.5.2 Predictors of any low-complexity ER visit in last 12 months (DW) (2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Any low-complexity ER visit in last 12 months (DW) (N=1,414)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	0.61	[0.34, 1.11]	0.107
2018	0.54	[0.30, 0.98]	0.044
Age (DW)			
19-34		Ref	
35-50	0.80	[0.47, 1.35]	0.398
51-64	0.27	[0.14, 0.52]	<0.001
Gender (DW)			
Male		Ref	
Female	1.88	[1.10, 3.22]	0.021
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	1.08	[0.60, 1.95]	0.792
Hispanic	---	---	---
Other, non-Hispanic	0.68	[0.26, 1.77]	0.424
FPL category (DW)^b			
0-35%		Ref	
36-99%	0.92	[0.50, 1.70]	0.792
100%+	0.83	[0.38, 1.84]	0.651
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	0.70	[0.37, 1.33]	0.272
S Central/SW/SE	0.86	[0.43, 1.72]	0.675
Detroit Metro	0.67	[0.35, 1.31]	0.242
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	1.83	[1.05, 3.18]	0.033
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	2.04	[1.08, 3.87]	0.029
RSOC in last 12 months was doctor's office/clinic (2016-2018)^b			
No		Ref	
Yes	0.82	[0.37, 1.82]	0.628
RSOC prior to HMP was doctor's office/clinic (2016)			
Yes		Ref	
No	1.68	[0.99, 2.84]	0.053
Employed/self-employed (2016-2018)^b			
No		Ref	
Yes	0.80	[0.47, 1.36]	0.407
Housing instability (2018)			
No		Ref	
Yes	1.11	[0.53, 2.33]	0.779

Dashes indicate we were not able to conduct significance testing for this subgroup.

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

5.5.3 Any medium or high-complexity ER visit in last 12 months (DW) (change 2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Age (DW)													
19-34	43.6	[37.9, 49.4]	376	37.6	[32.2, 43.3]	376	0.077	Ref	40.6	[35.0, 46.4]	376	0.378	Ref
35-50	42.5	[37.1, 47.9]	478	40.0	[34.8, 45.5]	478	0.418	0.424	39.7	[34.6, 45.1]	478	0.404	0.961
51-64	31.4	[26.9, 36.2]	635	28.3	[24.1, 32.9]	635	0.250	0.569	28.2	[23.8, 33.0]	635	0.239	0.899
Gender (DW)													
Male	37.2	[32.4, 42.2]	557	32.5	[28.0, 37.4]	557	0.114	Ref	33.6	[29.0, 38.6]	557	0.241	Ref
Female	42.3	[38.3, 46.3]	932	39.0	[35.1, 43.0]	932	0.133	0.680	39.8	[35.9, 43.9]	932	0.290	0.754
Race/ethnicity (2016)													
White, non-Hispanic	36.1	[32.4, 40.0]	1,025	33.2	[29.6, 36.9]	1,025	0.191	Ref	32.9	[29.4, 36.7]	1,025	0.152	Ref
Black, non-Hispanic	48.6	[41.6, 55.6]	281	47.3	[40.4, 54.3]	281	0.732	0.676	47.1	[40.2, 54.1]	281	0.713	0.688
Hispanic	44.4	[29.8, 60.0]	57	36.5	[23.4, 51.9]	57	0.384	0.600	29.8	[17.7, 45.4]	57	0.068	0.169
Other, non-Hispanic	41.2	[30.7, 52.5]	109	25.3	[17.0, 35.8]	109	0.005	0.031	39.8	[29.4, 51.2]	109	0.849	0.776
FPL category (DW)													
0-35%	43.0	[38.6, 47.5]	731	39.1	[34.7, 43.5]	731	0.119	Ref	39.9	[35.6, 44.4]	731	0.251	Ref
36-99%	37.9	[32.2, 44.0]	431	32.4	[27.2, 38.2]	431	0.125	0.701	33.4	[28.0, 39.3]	431	0.190	0.720
100%+	33.5	[27.2, 40.4]	327	31.8	[26.0, 38.4]	327	0.640	0.638	33.0	[26.9, 39.8]	327	0.910	0.603
Region (DW)													
UP/NW/NE	32.1	[26.2, 38.6]	284	27.9	[22.3, 34.3]	284	0.266	Ref	32.1	[26.1, 38.7]	284	1.000	Ref
W/E Central/E	34.2	[29.4, 39.3]	491	37.2	[32.2, 42.5]	491	0.301	0.131	34.4	[29.6, 39.6]	491	0.937	0.958
S Central/SW/SE	43.3	[36.5, 50.3]	293	36.8	[30.4, 43.7]	293	0.085	0.727	35.5	[29.2, 42.4]	293	0.038	0.129
Detroit Metro	43.7	[38.3, 49.3]	421	36.4	[31.3, 41.9]	421	0.020	0.612	40.1	[34.7, 45.6]	421	0.270	0.456
Chronic condition (2016, 2017, 2018)													
Yes	44.4	[40.5, 48.3]	1,015	40.1	[36.4, 44.0]	1,015	0.045	0.881	40.0	[36.2, 43.9]	1,015	0.050	0.356
No	32.0	[27.0, 37.3]	474	28.7	[24.0, 34.0]	474	0.307	Ref	31.5	[26.5, 37.0]	474	0.890	Ref
MH/SUD (2016, 2017, 2018 or DW)													
Yes	48.0	[44.1, 51.9]	972	44.0	[40.2, 48.0]	972	0.096	0.804	42.8	[39.0, 46.8]	972	0.026	0.141
No	24.7	[20.2, 29.7]	517	20.9	[16.8, 25.8]	517	0.138	Ref	25.8	[21.2, 31.1]	517	0.703	Ref
RSOC in last 12 months is doctor's office/clinic (2018)													
Yes	39.5	[36.2, 43.0]	1,289	36.5	[33.2, 39.9]	1,289	0.126	0.255	36.4	[33.1, 39.8]	1,289	0.121	0.801
No	41.8	[33.8, 50.2]	199	33.7	[26.4, 41.9]	199	0.047	Ref	39.9	[32.1, 48.3]	199	0.681	Ref
RSOC prior to HMP is doctor's office/clinic (2016)													
Yes	37.6	[33.3, 42.2]	758	33.3	[29.2, 37.7]	758	0.102	Ref	32.9	[28.8, 37.4]	758	0.081	Ref
No	41.9	[37.5, 46.4]	730	38.4	[34.1, 42.8]	730	0.150	0.789	40.6	[36.2, 45.1]	730	0.616	0.344
Employed/self-employed (2018)													
Yes	36.2	[32.2, 40.5]	822	32.7	[28.8, 36.9]	822	0.139	0.864	33.8	[29.8, 38.0]	822	0.318	0.817
No	44.4	[39.7, 49.2]	667	40.0	[35.4, 44.8]	667	0.108	Ref	40.9	[36.2, 45.7]	667	0.209	Ref

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	2016			2017					2018				
	Row %	95% CI	N	Row %	95% CI	N	p-value ^a	p-value ^b	Row %	95% CI	N	p-value ^c	p-value ^d
Housing instability (2018)													
Yes	56.7	[44.6, 68.1]	97	57.3	[45.1, 68.7]	97	0.932	0.494	51.1	[39.2, 63.0]	97	0.493	0.753
No	38.4	[35.2, 41.7]	1,392	34.1	[31.0, 37.3]	1,392	0.020	Ref	35.7	[32.5, 38.9]	1,392	0.152	Ref
Total	39.8	[36.7, 43.0]	1,489	35.9	[32.9, 39.1]	1,489	0.029		36.9	[33.8, 40.1]	1,489	0.114	

^aMixed effects logistic regression, 2017 compared to 2016, within the subpopulation defined by the row, unadjusted

^bInteraction term, mixed effects logistic regression, 2017 compared to 2016, comparing changes over time across subpopulations

^cMixed effects logistic regression, 2018 compared to 2016, within the subpopulation defined by the row, unadjusted

^dInteraction term, mixed effects logistic regression, 2018 compared to 2016, comparing changes over time across subpopulations

5.5.4 Predictors of any medium or high-complexity ER visit in last 12 months (DW) (2016-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Any medium or high-complexity ER visit in last 12 months (DW) (N=1,471)		
	aOR	95% CI	p-value ^a
Survey year			
2016		Ref	
2017	0.79	[0.63, 1.00]	0.047
2018	0.85	[0.67, 1.09]	0.204
Age (DW)			
19-34		Ref	
35-50	0.88	[0.62, 1.26]	0.497
51-64	0.43	[0.30, 0.62]	<0.001
Gender (DW)			
Male		Ref	
Female	1.82	[1.34, 2.46]	<0.001
Race/ethnicity (2016)			
White, non-Hispanic		Ref	
Black, non-Hispanic	2.19	[1.46, 3.26]	<0.001
Hispanic	1.41	[0.65, 3.08]	0.388
Other, non-Hispanic	1.30	[0.77, 2.18]	0.326
FPL category (DW)^b			
0-35%		Ref	
36-99%	0.86	[0.64, 1.16]	0.322
100%+	0.96	[0.71, 1.31]	0.817
Region (DW)			
UP/NW/NE		Ref	
W/E Central/E	1.04	[0.71, 1.53]	0.826
S Central/SW/SE	1.17	[0.76, 1.81]	0.480
Detroit Metro	1.29	[0.84, 1.98]	0.246
Chronic condition (2016, 2017, 2018)			
No		Ref	
Yes	1.71	[1.23, 2.37]	0.001
MH/SUD (2016, 2017, 2018 or DW)			
No		Ref	
Yes	4.20	[3.04, 5.82]	<0.001
RSOC in last 12 months was doctor's office/clinic (2016-2018)^b			
No		Ref	
Yes	0.98	[0.69, 1.39]	0.908
RSOC prior to HMP was doctor's office/clinic (2016)			
Yes		Ref	
No	1.58	[1.18, 2.12]	0.002
Employed/self-employed (2016-2018)^b			
No		Ref	
Yes	0.81	[0.62, 1.06]	0.125
Housing instability (2018)			
No		Ref	
Yes	2.11	[1.28, 3.47]	0.003

^aMixed effects logistic regression; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

5.6 Care needs after hours

5.6.1 Means of getting help when usual clinic/doctor's office was closed in last 12 months (2017, 2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2017			2018		
	Col %	95% CI	N	Col %	95% CI	N
Means of getting help when usual clinic/doctor's office was closed in last 12 months^a						
Urgent care/Walk-in clinic	53.3	[43.6, 62.8]	87	61.7	[52.1, 70.4]	110
Primary care provider (phone or next day)	18.7	[12.3, 27.4]	30	12.9	[7.8, 20.6]	24
Other	24.2	[16.6, 33.8]	34	22.3	[15.1, 31.7]	35
Did not seek help	3.8	[1.2, 11.2]	6	3.1	[1.4, 6.7]	7

^aWhen multiple responses were provided, one response was chosen in the following order: urgent care/walk-in clinic, primary care provider (phone or next day), other, and did not seek help.

5.7 Consumer behaviors

5.7.1 Checked cost before receiving care in past 12 months (change 2017-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2017			2018			p-value ^a
	Col %	95% CI	N	Col %	95% CI	N	
Checked cost before receiving care in past 12 months							
Yes	22.6	[20.0, 25.4]	341	21.0	[18.5, 23.6]	325	0.334
No	77.4	[74.6, 80.0]	1,134	79.0	[76.4, 81.5]	1,144	-
Type of health care costs checked: visits^b							
Yes	49.4	[42.7, 56.1]	171	53.7	[46.9, 60.4]	165	-
No	50.6	[43.9, 57.3]	170	46.3	[39.6, 53.1]	160	-
Type of health care costs checked: prescription medications^b							
Yes	24.9	[19.6, 31.2]	89	21.5	[16.8, 27.1]	79	-
No	75.1	[68.8, 80.4]	252	78.5	[72.9, 83.2]	246	-
Type of health care costs checked: lab/imaging test^b							
Yes	8.6	[5.6, 13.2]	29	8.0	[5.4, 11.6]	35	-
No	91.4	[86.8, 94.4]	312	92.0	[88.4, 94.6]	290	-
Type of health care costs checked: surgery or procedure^b							
Yes	12.1	[8.2, 17.7]	43	3.0	[1.4, 6.3]	9	-
No	87.9	[82.3, 91.8]	298	97.0	[93.7, 98.6]	316	-

^aMixed effects logistic regression, 2018 compared to 2017

^bSurvey question only asked of respondents who reported checking cost before receiving care in the past 12 months.

5.7.2 Predictors of checked cost before receiving care in past 12 months (2017-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Checked cost before receiving care in past 12 months (N=1,449)				
	aOR	95% CI	p-value ^a	Margin	95% CI
Survey year					
2017		Ref		0.227	[0.200, 0.254]
2018	0.88	[0.67, 1.16]	0.356	0.212	[0.185, 0.238]
Age (DW)					
19-34		Ref		0.257	[0.217, 0.298]
35-50	0.53	[0.34, 0.81]	0.004	0.180	[0.148, 0.213]
51-64	0.73	[0.47, 1.13]	0.163	0.218	[0.182, 0.254]
Gender (DW)					
Male		Ref		0.182	[0.151, 0.212]
Female	1.85	[1.31, 2.63]	0.001	0.256	[0.228, 0.285]
Race/ethnicity (2016)					
White, non-Hispanic		Ref		0.225	[0.197, 0.252]
Black, non-Hispanic	0.79	[0.47, 1.33]	0.373	0.197	[0.146, 0.248]
Hispanic	0.82	[0.33, 2.01]	0.667	0.201	[0.101, 0.302]
Other, non-Hispanic	1.38	[0.74, 2.58]	0.305	0.267	[0.191, 0.342]
FPL category (DW)^b					
0-35%		Ref		0.236	[0.206, 0.266]
36-99%	0.80	[0.57, 1.13]	0.209	0.209	[0.177, 0.241]
100%+	0.72	[0.47, 1.08]	0.109	0.196	[0.157, 0.234]
Region (DW)					
UP/NW/NE		Ref		0.242	[0.194, 0.290]
W/E Central/E	0.96	[0.61, 1.49]	0.842	0.236	[0.198, 0.275]
S Central/SW/SE	0.74	[0.44, 1.24]	0.249	0.205	[0.158, 0.253]
Detroit Metro	0.78	[0.47, 1.30]	0.341	0.212	[0.175, 0.248]
Chronic condition (2016, 2017, 2018)					
No		Ref		0.181	[0.147, 0.214]
Yes	1.74	[1.17, 2.57]	0.006	0.246	[0.218, 0.274]
MH/SUD (2016, 2017, 2018 or DW)					
No		Ref		0.218	[0.181, 0.256]
Yes	1.03	[0.70, 1.50]	0.886	0.222	[0.196, 0.247]
Highest level of education (2017)					
High school or less		Ref		0.184	[0.156, 0.212]
Associate's degree/Some college	1.60	[1.08, 2.36]	0.018	0.240	[0.203, 0.277]
Bachelor's/Post graduate degree	2.54	[1.55, 4.18]	<0.001	0.304	[0.242, 0.366]
Fair/poor health (2017-2018)^b					
No		Ref		0.225	[0.201, 0.249]
Yes	0.87	[0.58, 1.32]	0.519	0.208	[0.165, 0.252]
Need help reading written materials (2016)					
Never/Rarely		Ref		0.221	[0.198, 0.243]
Sometimes/Often/Always	0.99	[0.60, 1.64]	0.973	0.220	[0.162, 0.277]
Out-of-pocket costs in last 12 months (2016-2017)^c					
Less than \$50		Ref		0.198	[0.173, 0.224]
\$51-\$100	1.46	[0.94, 2.26]	0.095	0.244	[0.192, 0.297]
\$101-\$500	1.90	[1.26, 2.85]	0.002	0.280	[0.231, 0.329]
More than \$500	1.22	[0.63, 2.36]	0.548	0.222	[0.145, 0.300]
Amount paid for HMP is affordable (2016-2017)^c					
Strongly agree/agree		Ref		0.222	[0.200, 0.244]
Strongly disagree/disagree/neutral	0.86	[0.47, 1.56]	0.625	0.204	[0.139, 0.270]
Forgone health care due to cost in last 12 months (2016)					
No		Ref		0.212	[0.190, 0.235]
Yes	1.65	[0.97, 2.81]	0.063	0.277	[0.209, 0.346]
Forgone health care due to cost in last 12 months (2017)					
No		Ref		0.215	[0.194, 0.236]
Yes	3.65	[1.06, 12.54]	0.039	0.401	[0.205, 0.596]

^aMixed effects logistic regression with predicted margins; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

^cIndicates time varying covariates lagged one year

5.7.3 Compared quality ratings in past 12 months (change 2017-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2017			2018			p-value ^a
	Col %	95% CI	N	Col %	95% CI	N	
Compared quality ratings in past 12 months							
Yes	14.3	[12.2, 16.7]	202	12.5	[10.5, 14.8]	181	0.205
No	85.7	[83.3, 87.8]	1,278	87.5	[85.2, 89.5]	1,292	-
Type of health care quality compared: visits^b							
Yes	66.5	[58.2, 73.9]	126	61.2	[51.9, 69.7]	114	-
No	33.5	[26.1, 41.8]	76	38.8	[30.3, 48.1]	67	-
Type of health care quality compared: prescription medications^b							
Yes	7.7	[4.4, 13.3]	18	3.7	[1.4, 9.4]	8	-
No	92.3	[86.7, 95.6]	184	96.3	[90.6, 98.6]	173	-
Type of health care quality compared: lab/imaging test^b							
Yes	6.6	[3.5, 12.3]	12	3.9	[1.2, 11.9]	5	-
No	93.4	[87.7, 96.5]	190	96.1	[88.1, 98.8]	176	-
Type of health care quality compared: surgery or procedure^b							
Yes	9.5	[5.6, 15.7]	24	3.2	[1.5, 6.4]	10	-
No	90.5	[84.3, 94.4]	178	96.8	[93.6, 98.5]	171	-

^aMixed effects logistic regression, 2018 compared to 2017

^bSurvey question only asked of respondents who reported comparing quality ratings for health care services in the past 12 months.

5.7.4 Predictors of compared quality ratings in past 12 months (2017-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Compared quality ratings in past 12 months (N=1,449)				
	aOR	95% CI	p-value ^a	Margin	95% CI
Survey year					
2017		Ref		0.144	[0.121, 0.166]
2018	0.89	[0.65, 1.23]	0.488	0.134	[0.111, 0.156]
Age (DW)					
19-34		Ref		0.182	[0.146, 0.217]
35-50	0.55	[0.35, 0.88]	0.013	0.125	[0.098, 0.152]
51-64	0.37	[0.23, 0.60]	<0.001	0.095	[0.073, 0.117]
Gender (DW)					
Male		Ref		0.095	[0.073, 0.118]
Female	2.61	[1.71, 3.99]	<0.001	0.180	[0.154, 0.207]
Race/ethnicity (2016)					
White, non-Hispanic		Ref		0.140	[0.116, 0.164]
Black, non-Hispanic	1.01	[0.61, 1.68]	0.968	0.141	[0.104, 0.178]
Hispanic	0.35	[0.13, 0.96]	0.042	0.067	[0.018, 0.116]
Other, non-Hispanic	1.37	[0.67, 2.79]	0.385	0.170	[0.104, 0.237]
FPL category (DW)^b					
0-35%		Ref		0.143	[0.117, 0.170]
36-99%	0.93	[0.60, 1.43]	0.727	0.136	[0.108, 0.165]
100%+	0.89	[0.54, 1.46]	0.634	0.133	[0.098, 0.168]
Region (DW)					
UP/NW/NE		Ref		0.131	[0.092, 0.171]
W/E Central/E	1.20	[0.70, 2.05]	0.501	0.148	[0.117, 0.179]
S Central/SW/SE	0.92	[0.51, 1.67]	0.787	0.125	[0.090, 0.159]
Detroit Metro	1.12	[0.62, 2.03]	0.703	0.142	[0.110, 0.173]
Chronic condition (2016, 2017, 2018)					
No		Ref		0.132	[0.104, 0.160]
Yes	1.15	[0.75, 1.74]	0.527	0.144	[0.121, 0.168]
MH/SUD (2016, 2017, 2018 or DW)					
No		Ref		0.132	[0.103, 0.160]
Yes	1.14	[0.76, 1.72]	0.528	0.143	[0.121, 0.166]
Highest level of education (2017)					
High school or less		Ref		0.110	[0.088, 0.132]
Associate's degree/Some college	1.51	[1.00, 2.26]	0.049	0.145	[0.117, 0.173]
Bachelor's/Post graduate degree	3.30	[1.82, 5.98]	<0.001	0.233	[0.167, 0.298]
Fair/poor health (2017-2018)^b					
No		Ref		0.132	[0.113, 0.152]
Yes	1.37	[0.85, 2.21]	0.195	0.162	[0.121, 0.202]
Need help reading written materials (2016)					
Never/Rarely		Ref		0.144	[0.125, 0.164]
Sometimes/Often/Always	0.66	[0.37, 1.17]	0.156	0.109	[0.069, 0.149]
Out-of-pocket costs in last 12 months (2016-2017)^c					
Less than \$50		Ref		0.126	[0.105, 0.146]
\$51-\$100	1.21	[0.69, 2.13]	0.511	0.142	[0.096, 0.189]
\$101-\$500	1.52	[0.96, 2.42]	0.073	0.165	[0.124, 0.206]
More than \$500	2.04	[1.09, 3.83]	0.026	0.197	[0.129, 0.264]
Amount paid for HMP is affordable (2016-2017)^c					
Strongly agree/agree		Ref		0.140	[0.122, 0.159]
Strongly disagree/disagree/neutral	0.88	[0.44, 1.74]	0.707	0.129	[0.074, 0.184]
Forgone health care due to cost in last 12 months (2016)					
No		Ref		0.134	[0.114, 0.153]
Yes	1.57	[0.92, 2.68]	0.096	0.178	[0.126, 0.229]
Forgone health care due to cost in last 12 months (2017)					
No		Ref		0.135	[0.118, 0.153]
Yes	3.39	[1.22, 9.38]	0.019	0.275	[0.136, 0.414]

^aMixed effects logistic regression with predicted margins; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

^cIndicates time varying covariates lagged one year

5.7.5 Asked for less costly prescription in past 12 months (change 2017-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	2017			2018			p-value ^a
	Col %	95% CI	N	Col %	95% CI	N	
Asked for less costly prescription in past 12 months							
Yes	22.5	[20.1, 25.2]	371	20.6	[18.2, 23.2]	347	0.213
No	77.5	[74.8, 79.9]	1,114	79.4	[76.8, 81.8]	1,132	-

^aMixed effects logistic regression, 2018 compared to 2017

5.7.6 Predictors of asked for less costly prescription in past 12 months (2017-2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Asked for less costly prescription in past 12 months (N=1,452)				
	aOR	95% CI	p-value ^a	Margin	95% CI
Survey year					
2017		Ref		0.224	[0.198, 0.249]
2018	0.85	[0.65, 1.11]	0.229	0.205	[0.180, 0.230]
Age (DW)					
19-34		Ref		0.184	[0.148, 0.220]
35-50	1.57	[0.98, 2.51]	0.060	0.233	[0.198, 0.269]
51-64	1.63	[1.03, 2.56]	0.036	0.238	[0.204, 0.271]
Gender (DW)					
Male		Ref		0.164	[0.135, 0.194]
Female	2.42	[1.65, 3.55]	<0.001	0.263	[0.234, 0.291]
Race/ethnicity (2016)					
White, non-Hispanic		Ref		0.232	[0.203, 0.260]
Black, non-Hispanic	0.55	[0.32, 0.94]	0.028	0.168	[0.125, 0.211]
Hispanic	0.67	[0.29, 1.53]	0.339	0.187	[0.106, 0.268]
Other, non-Hispanic	1.16	[0.58, 2.34]	0.679	0.249	[0.172, 0.327]
FPL category (DW)^b					
0-35%		Ref		0.227	[0.198, 0.255]
36-99%	0.80	[0.55, 1.16]	0.243	0.202	[0.170, 0.234]
100%+	0.81	[0.52, 1.24]	0.329	0.203	[0.163, 0.243]
Region (DW)					
UP/NW/NE		Ref		0.233	[0.186, 0.280]
W/E Central/E	0.86	[0.54, 1.39]	0.545	0.216	[0.182, 0.251]
S Central/SW/SE	0.97	[0.56, 1.68]	0.925	0.230	[0.184, 0.277]
Detroit Metro	0.77	[0.45, 1.33]	0.348	0.204	[0.166, 0.241]
Chronic condition (2016, 2017, 2018)					
No		Ref		0.190	[0.153, 0.226]
Yes	1.44	[0.94, 2.21]	0.091	0.230	[0.204, 0.256]
MH/SUD (2016, 2017, 2018 or DW)					
No		Ref		0.164	[0.132, 0.196]
Yes	2.05	[1.37, 3.07]	<0.001	0.242	[0.215, 0.268]
Highest level of education (2017)					
High school or less		Ref		0.205	[0.178, 0.232]
Associate's degree/Some college	1.33	[0.90, 1.96]	0.157	0.237	[0.201, 0.273]
Bachelor's/Post graduate degree	0.90	[0.50, 1.62]	0.724	0.194	[0.138, 0.249]
Fair/poor health (2017-2018)^b					
No		Ref		0.210	[0.188, 0.233]
Yes	1.17	[0.78, 1.77]	0.441	0.228	[0.186, 0.271]
Need help reading written materials (2016)					
Never/Rarely		Ref		0.217	[0.194, 0.239]
Sometimes/Often/Always	0.92	[0.53, 1.61]	0.783	0.208	[0.153, 0.263]
Out-of-pocket costs in last 12 months (2016-2017)^c					
Less than \$50		Ref		0.185	[0.162, 0.208]
\$51-\$100	2.71	[1.70, 4.31]	<0.001	0.305	[0.246, 0.363]
\$101-\$500	1.90	[1.26, 2.88]	0.002	0.258	[0.211, 0.306]
More than \$500	1.53	[0.82, 2.85]	0.182	0.232	[0.162, 0.302]
Amount paid for HMP is affordable (2016-2017)^c					
Strongly agree/agree		Ref		0.215	[0.194, 0.236]
Strongly disagree/disagree/neutral	1.07	[0.59, 1.95]	0.813	0.223	[0.157, 0.289]
Forgone health care due to cost in last 12 months (2016)					
No		Ref		0.209	[0.188, 0.231]
Yes	1.51	[0.79, 2.87]	0.214	0.257	[0.183, 0.332]
Forgone health care due to cost in last 12 months (2017)					
No		Ref		0.213	[0.193, 0.234]
Yes	1.80	[0.42, 7.78]	0.429	0.284	[0.096, 0.473]

^aMixed effects logistic regression with predicted margins; survey year predicts change over time for the outcome; other variables predict the outcome across all survey years

^bIndicates time-varying covariate

^cIndicates time varying covariates lagged one year

5.7.7 Talked with provider about out-of-pocket costs in past 12 months (2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Col %	95% CI	2018 N
Talked with provider about out-of-pocket costs in past 12 months			
Yes	15.5	[13.3, 17.9]	244
No	84.5	[82.1, 86.7]	1,234
Type of health care out-of-pocket costs discussed: visits^a			
Yes	36.7	[29.5, 44.5]	94
No	63.3	[55.5, 70.5]	150
Type of health care out-of-pocket costs discussed: prescription medications^a			
Yes	12.6	[8.5, 18.3]	37
No	87.4	[81.7, 91.5]	207
Type of health care out-of-pocket costs discussed: lab/imaging test^a			
Yes	13.8	[9.1, 20.4]	35
No	86.2	[79.6, 90.9]	209
Type of health care out-of-pocket costs discussed: surgery or procedure^a			
Yes	13.0	[8.4, 19.5]	28
No	87.0	[80.5, 91.6]	216

^aSurvey question only asked of respondents who reported discussing how much health care services would cost with a health care provider in the past 12 months.

5.7.8 Predictors of talked with provider about out-of-pocket costs in past 12 months (2018), among those who stayed on HMP/Medicaid and completed the 2018 Enrolled Survey

	Talked with provider about out-of-pocket costs in past 12 months (N=1,367)				
	aOR	95% CI	p-value ^a	Margin	95% CI
Age (DW)					
19-34		Ref		0.169	[0.126, 0.213]
35-50	0.91	[0.56, 1.46]	0.690	0.157	[0.117, 0.198]
51-64	0.77	[0.50, 1.18]	0.222	0.138	[0.109, 0.167]
Gender (DW)					
Male		Ref		0.140	[0.106, 0.173]
Female	1.31	[0.88, 1.94]	0.188	0.172	[0.139, 0.205]
Race/ethnicity (2016)					
White, non-Hispanic		Ref		0.154	[0.127, 0.182]
Black, non-Hispanic	0.81	[0.46, 1.44]	0.478	0.131	[0.076, 0.185]
Hispanic	0.82	[0.31, 2.15]	0.684	0.131	[0.032, 0.231]
Other, non-Hispanic	1.97	[1.02, 3.80]	0.044	0.253	[0.149, 0.357]
FPL category (DW)					
0-35%		Ref		0.165	[0.129, 0.200]
36-99%	1.05	[0.67, 1.63]	0.841	0.171	[0.128, 0.213]
100%+	0.60	[0.36, 0.99]	0.047	0.110	[0.073, 0.147]
Region (DW)					
UP/NW/NE		Ref		0.181	[0.124, 0.237]
W/E Central/E	1.11	[0.70, 1.78]	0.658	0.195	[0.152, 0.238]
S Central/SW/SE	0.81	[0.47, 1.39]	0.439	0.153	[0.105, 0.201]
Detroit Metro	0.64	[0.37, 1.11]	0.114	0.127	[0.090, 0.165]
Chronic condition (2016, 2017, 2018)					
No		Ref		0.137	[0.102, 0.173]
Yes	1.31	[0.87, 1.99]	0.200	0.170	[0.138, 0.201]
MH/SUD (2016, 2017, 2018 or DW)					
No		Ref		0.156	[0.112, 0.199]
Yes	1.01	[0.67, 1.53]	0.944	0.157	[0.131, 0.183]
Highest level of education (2017)					
High school or less		Ref		0.129	[0.098, 0.160]
Associate's degree/Some college	1.45	[0.96, 2.18]	0.074	0.173	[0.135, 0.210]
Bachelor's/Post graduate degree	1.89	[1.09, 3.30]	0.024	0.211	[0.138, 0.284]
Fair/poor health (2018)					
No		Ref		0.167	[0.139, 0.195]
Yes	0.73	[0.45, 1.18]	0.198	0.130	[0.087, 0.174]
Need help reading written materials (2016)					
Never/Rarely		Ref		0.163	[0.137, 0.189]
Sometimes/Often/Always	0.67	[0.36, 1.25]	0.209	0.118	[0.061, 0.176]
Out-of-pocket costs in last 12 months (2017)					
Less than \$50		Ref		0.126	[0.100, 0.153]
\$51-\$100	1.53	[0.93, 2.52]	0.092	0.178	[0.118, 0.238]
\$101-\$500	2.45	[1.55, 3.88]	<0.001	0.252	[0.183, 0.321]
More than \$500	1.18	[0.54, 2.57]	0.670	0.145	[0.059, 0.232]
Amount paid for HMP is affordable (2017)					
Strongly agree/agree		Ref		0.161	[0.136, 0.186]
Strongly disagree/disagree/neutral	0.71	[0.34, 1.47]	0.351	0.122	[0.053, 0.192]
Forgone health care due to cost in last 12 months (2016)					
No		Ref		0.141	[0.117, 0.165]
Yes	2.40	[1.49, 3.88]	<0.001	0.270	[0.190, 0.351]
Forgone health care due to cost in last 12 months (2017)					
No		Ref		0.155	[0.131, 0.178]
Yes	2.10	[0.73, 5.99]	0.167	0.264	[0.083, 0.446]

^aLogistic regression with predicted margins.

Aim 6: To understand why enrollees lose or drop HMP coverage and what, if any, source of health insurance coverage they subsequently obtain.

6.1 HMP/Medicaid enrollment pattern

6.1.1 HMP/Medicaid enrollment pattern (DW) by demographic characteristics, among all respondents

	Stayed on		Off for 6+ months		Churned off/on		N	p-value ^a
	Row %	95% CI	Row %	95% CI	Row %	95% CI		
Age (DW)								
19-34	68.5	[64.5, 72.3]	17.1	[14.3, 20.3]	14.4	[11.5, 17.7]	733	<0.001
35-50	75.5	[71.7, 79.0]	17.0	[14.1, 20.4]	7.5	[5.5, 10.1]	810	
51-64	81.0	[77.7, 83.9]	13.3	[10.8, 16.3]	5.7	[4.1, 7.7]	1,059	
Gender (DW)								
Male	70.6	[67.0, 74.0]	17.7	[15.0, 20.8]	11.7	[9.3, 14.6]	1,000	0.004
Female	77.6	[75.0, 80.0]	14.6	[12.6, 16.7]	7.9	[6.3, 9.8]	1,602	
Race/ethnicity (2016)								
White, non-Hispanic	75.9	[73.3, 78.4]	16.9	[14.8, 19.2]	7.1	[5.7, 8.9]	1,741	0.003
Black, non-Hispanic	70.1	[65.1, 74.6]	15.2	[11.9, 19.3]	14.7	[11.3, 18.9]	536	
Hispanic	77.0	[66.3, 85.0]	14.7	[8.5, 24.1]	8.4	[3.8, 17.3]	107	
Other, non-Hispanic	73.4	[64.8, 80.5]	13.6	[8.7, 20.6]	13.0	[7.9, 20.7]	185	
FPL category (DW)								
0-35%	73.6	[70.7, 76.3]	17.2	[15.0, 19.7]	9.2	[7.4, 11.3]	1,509	0.511
36-99%	75.5	[71.0, 79.5]	13.7	[10.8, 17.3]	10.8	[8.0, 14.5]	646	
100%+	74.7	[69.2, 79.5]	15.1	[11.5, 19.4]	10.3	[6.8, 15.1]	447	
Region (DW)								
UP/NW/NE	77.7	[73.2, 81.7]	17.6	[14.0, 21.9]	4.7	[3.0, 7.1]	487	0.310
W/E Central/E	73.1	[69.2, 76.6]	16.8	[13.9, 20.2]	10.1	[7.7, 13.1]	821	
S Central/SW/SE	72.4	[67.3, 76.9]	16.8	[13.2, 21.3]	10.8	[7.8, 14.8]	526	
Detroit Metro	75.0	[71.2, 78.4]	15.0	[12.3, 18.0]	10.1	[7.7, 13.1]	768	
Chronic condition (2016, 2017, 2018)								
Yes	76.6	[74.0, 79.1]	14.3	[12.4, 16.5]	9.0	[7.3, 11.1]	1,735	0.020
No	70.3	[66.4, 73.9]	18.9	[16.0, 22.2]	10.8	[8.4, 13.8]	867	
MH/SUD (2016, 2017, 2018 or DW)								
Yes	77.7	[75.1, 80.1]	12.6	[10.9, 14.6]	9.7	[7.9, 11.8]	1,685	<0.001
No	68.1	[64.1, 71.8]	22.1	[18.9, 25.7]	9.8	[7.5, 12.8]	917	
Fair/poor health (2018)								
Yes	77.5	[73.2, 81.3]	12.6	[9.8, 16.1]	9.9	[7.3, 13.3]	691	0.090
No	73.0	[70.5, 75.5]	17.3	[15.3, 19.5]	9.7	[8.0, 11.6]	1,911	
Marital status (2018)								
Married/Partnered	74.1	[70.9, 77.1]	18.6	[16.0, 21.5]	7.3	[5.6, 9.5]	1,286	0.004
Not married/Partnered	74.4	[71.3, 77.2]	14.3	[12.2, 16.8]	11.3	[9.3, 13.7]	1,305	
Need help reading written materials (2016)								
Sometimes/Often/Always	85.5	[80.3, 89.5]	5.9	[3.8, 9.2]	8.6	[5.4, 13.4]	364	<0.001
Never/Rarely	72.1	[69.7, 74.4]	17.9	[16.0, 20.0]	9.9	[8.4, 11.8]	2,235	
Employed or student (2016)								
Yes	67.2	[64.0, 70.2]	21.8	[19.3, 24.6]	11.0	[9.0, 13.4]	1,414	<0.001
No	82.4	[79.4, 85.1]	9.2	[7.4, 11.4]	8.4	[6.4, 10.8]	1,176	
In school (2017 or 2018)								
Yes	68.0	[61.0, 74.3]	18.5	[13.6, 24.7]	13.5	[9.2, 19.3]	252	0.076
No	75.2	[72.9, 77.3]	15.7	[14.0, 17.6]	9.1	[7.6, 10.9]	2,350	
Employed/self-employed (2017 or 2018)								
Yes	67.2	[64.3, 70.0]	21.7	[19.3, 24.2]	11.1	[9.3, 13.3]	1,658	<0.001
No	87.8	[84.8, 90.2]	5.2	[3.8, 7.1]	7.0	[5.0, 9.7]	944	
Race/ethnicity, detailed (2016)								
White	76.2	[73.6, 78.6]	16.9	[14.8, 19.3]	6.9	[5.5, 8.6]	1,695	0.004
Black	70.1	[65.1, 74.6]	15.3	[12.0, 19.3]	14.6	[11.2, 18.9]	534	
Hispanic	76.8	[66.1, 84.9]	14.8	[8.6, 24.2]	8.4	[3.9, 17.4]	105	
Arab/Chaldean	75.9	[65.0, 84.3]	9.8	[5.1, 17.8]	14.3	[7.7, 25.0]	106	
Other/more than one	69.5	[58.6, 78.6]	18.5	[11.5, 28.4]	12.0	[6.3, 21.7]	129	
Total	74.2	[72.0, 76.3]	16.1	[14.4, 17.9]	9.7	[8.3, 11.4]	2,602	

^aPearson Chi-squared

6.1.2 Health insurance type, detailed (2017 and DW) and health insurance type, detailed (2018 and DW) by HMP/Medicaid enrollment pattern, among all respondents

	Stayed on			Off for 6+ months			Churned off/on			All respondents		
	Col %	95% CI	N	Col %	95% CI	N	Col %	95% CI	N	Col %	95% CI	N
Health insurance type, detailed (2017 or DW)												
HMP/Medicaid	96.8	[95.7, 97.6]	1,936	44.2	[38.4, 50.2]	179	63.8	[55.3, 71.5]	126	85.2	[83.4, 86.8]	2,241
Uninsured	1.4	[0.8, 2.3]	20	20.2	[15.7, 25.5]	72	23.3	[16.9, 31.1]	46	6.5	[5.4, 7.9]	138
Employer-sponsored insurance	0.5	[0.2, 1.1]	8	23.6	[18.8, 29.1]	85	6.6	[3.3, 12.5]	12	4.8	[3.8, 5.9]	105
Medicare/VA/Champus	1.1	[0.7, 1.6]	33	3.6	[2.1, 6.2]	22	3.9	[1.6, 9.2]	9	1.7	[1.3, 2.4]	64
Other insurance	0.3	[0.1, 0.7]	4	8.5	[5.9, 12.1]	37	2.5	[1.0, 6.1]	8	1.8	[1.3, 2.5]	49
Health insurance type, detailed (2018 or DW)												
HMP/Medicaid	93.9	[92.4, 95.1]	1,888	6.9	[4.5, 10.5]	28	82.2	[74.8, 87.8]	164	78.7	[76.7, 80.6]	2,080
Uninsured	2.9	[2.0, 4.1]	44	28.4	[23.3, 34.2]	104	11.6	[7.1, 18.4]	20	7.8	[6.6, 9.3]	168
Employer-sponsored insurance	1.9	[1.3, 2.9]	31	45.1	[39.2, 51.1]	165	3.2	[1.3, 7.6]	8	9.0	[7.7, 10.5]	204
Medicare/VA/Champus	0.6	[0.4, 1.1]	18	5.4	[3.7, 7.9]	40	1.8	[0.6, 5.3]	5	1.5	[1.1, 2.0]	63
Other insurance	0.7	[0.4, 1.3]	14	14.2	[10.7, 18.7]	60	1.2	[0.3, 5.1]	3	3.0	[2.3, 3.8]	77

6.1.3 Any uninsured period since HMP ended (2017, 2018, 2017 or 2018) by HMP/Medicaid enrollment pattern, among all respondents

	2017				2018				2017 or 2018			
	Row %	95% CI	N	p-value	Row %	95% CI	N	p-value	Row %	95% CI	N	p-value
HMP/Medicaid enrollment pattern (DW)												
Stayed on	2.3	[1.6, 3.3]	2,002	<0.001	3.9	[2.9, 5.2]	2,002	<0.001	5.9	[4.7, 7.4]	2,002	<0.001
Off for 6+ months	30.7	[25.5, 36.5]	398		46.3	[40.4, 52.2]	398		58.9	[52.9, 64.6]	398	
Churned off/on	33.0	[25.5, 41.5]	202		12.7	[8.1, 19.4]	202		42.8	[34.7, 51.3]	202	
Total	9.9	[8.5, 11.4]	2,602		11.6	[10.1, 13.2]	2,602		18.0	[16.2, 20.0]	2,602	

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Appendix C: Variable Definitions

Survey composite variables

The following variables were created by combining responses from more than one survey question. The composite variables are outlined below:

Chronic condition (2016, 2017, 2018): reporting on any survey that a doctor or other health professional ever said they had asthma, cancer other than skin cancer, COPD/chronic bronchitis, diabetes, hypertension, heart disease, or stroke.

Decrease in binge drinking frequency (from 2016-2018): reporting a lesser amount of binge drinking within the past 7 days on the 2018 survey compared to the 2016 survey, with binge drinking defined as 5 alcoholic beverages for males or 4 for females, and response categories of 0 days, 1-2 days, 3-6 days, and every day. Asked only of respondents who were enrolled in HMP at the time of the 2018 survey.

Employed and/or student: reporting being currently employed/self-employed or in school on the 2018 survey.

Decreased or maintained no sugary drink consumption (from 2016-2018): reporting a lower frequency of sugary drink consumption in the last 7 days on the 2018 survey compared to the 2016 survey, with response categories of 0 days, 1-2 days, 3-6 days, and every day; or reporting 0 days of sugary drink consumption in the last 7 days on both the 2016 and 2018 surveys. Asked only of respondents who were enrolled in HMP at the time of the 2018 survey.

ER visit in past 12 months/since HMP coverage ended: reporting 1 or more ER visits in the past 12 months for respondents who maintained the same HMP coverage status (enrolled or not enrolled) on both the 2017 to 2018 surveys; or reporting 1 or more ER visits since HMP coverage ended for respondents who discontinued HMP coverage between the 2017 and 2018 surveys.

Forgone health care in the last 12 months/since HMP coverage ended: reporting they did not get health care they needed in the past 12 months for respondents who maintained the same HMP coverage status (enrolled or not enrolled) on both the 2017 to 2018 surveys; or reporting they did not get health care they needed since HMP coverage ended for respondents who discontinued HMP coverage between the 2017 and 2018 surveys.

Forgone health care due to financial reasons in the last 12 months/since HMP coverage ended: reporting any forgone health care due to a cost-related reason (needed a service that wasn't covered, no insurance coverage, or cost) in the past 12 months for respondents who maintained the same HMP coverage status (enrolled or not enrolled) on both the 2017 to 2018 surveys; or reporting any forgone health care due to a cost-related reason since HMP coverage ended for respondents who discontinued HMP coverage between the 2017 and 2018 surveys.

Forgone dental care in the last 12 months/since HMP coverage ended: reporting they did not get dental care they needed in the past 12 months for respondents who maintained the same HMP coverage status (enrolled or not enrolled) on both the 2017 and 2018 surveys; or reporting they did not get dental care they needed since HMP coverage ended for respondents who discontinued HMP coverage between the 2017 and 2018 surveys.

Forgone dental care due to financial reasons in the last 12 months/since HMP coverage ended: reporting any forgone dental care due to a cost-related reason (needed a service that wasn't covered, no insurance coverage, or cost) in the past 12 months for respondents who maintained the same HMP coverage status (enrolled or not enrolled) on both the 2017 to 2018 surveys; or reporting any unmet dental care needs due to a cost-related reason since HMP coverage ended for respondents who discontinued HMP coverage between the 2017 and 2018 surveys.

Housing instability: reporting being homeless at any time in the last 12 months or having lived four or more places in the past three years, based on the 2018 survey response.

Increased or maintained healthy exercise frequency (from 2016-2018): reporting a higher frequency of exercise in the last 7 days on the 2018 survey compared to the 2016 survey, with response categories of 0 days, 1-2 days, 3-6 days, and every day; or reporting 3 or more days of exercise in the last 7 days on both the 2016 and 2018 surveys. Asked only of respondents who were enrolled in HMP at the time of the 2018 survey.

Increased or maintained healthy fruit and vegetable consumption (from 2016-2018): reporting a higher frequency of consuming 3 or more servings of fruit and vegetables a day in the last 7 days on the 2018 survey compared to the 2016 survey, with response categories of 0 days, 1-2 days, 3-6 days, and every day; or reporting consuming 3 or more servings of fruit and vegetables per day on 3 or more days in the last 7 days on both the 2016 and 2018 surveys. Asked only of respondents who were enrolled in HMP at the time of the 2018 survey.

Quit smoking or using tobacco (from 2016-2018): reporting smoking or using tobacco within the past 30 days on the 2016 or 2017 survey and reporting not smoking or using tobacco within the past 30 days on the 2018 survey. Asked only of respondents who were enrolled in HMP at the time of the 2018 survey.

Quit drug use (from 2016-2018): reporting using drugs within the past 30 days on the 2016 or 2017 survey and reporting not using drugs within the past 30 days on the 2018 survey. Asked only of respondents who were enrolled in HMP at the time of the 2018 survey.

Race/ethnicity

Race/ethnicity variables were derived from a series of three questions on the 2016 HMV survey. The first question asked broadly what race(s) respondents consider themselves to be, with open-ended responses categorized as White, Black, or Other (American Indian or Alaska Native, Asian, and Pacific Islander, and multiple races). Subsequent questions asked whether the respondent considered themselves to be of Hispanic or Latino ethnicity, or of Arab, Chaldean or Middle Eastern descent. Three race/ethnicity variables were created from these questions:

- **Race/ethnicity (2016):** Respondents who answered yes to Hispanic ethnicity were categorized as Hispanic. All others were categorized as White, Black, or Other based on their response to the broad race question.
- **Race/ethnicity, detailed (2016):** Respondents who answered yes to Hispanic ethnicity were categorized as Hispanic. Respondents who answered yes to being Arab, Chaldean or Middle Eastern descent were categorized as Arab/Chaldean. All others were categorized as White, Black, or Other based on their response to the broad race question. Respondents

who answered yes to both Hispanic and Arab/Chaldean ethnicities were categorized as Other.

- **Race/ethnicity, two groups (2016):** Respondents who reported being White on the broad race question and who answered no to both Hispanic and Arab/Chaldean ethnicity were categorized as White, non-Hispanic, non-Arab/Chaldean. All other respondents were identified as racial/ethnic minorities.

Regular source of care

Regular source of care variables were derived from a pair of questions on the 2018 HMV survey. The first question asked whether respondents have a place they usually go when they need a checkup, feel sick, or want advice about their health. This question was asked with regard to the last 12 months for respondents who maintained the same HMP coverage status (enrolled or not enrolled) on both the 2017 to 2018 surveys; and asked with regard to the period since HMP coverage ended for respondents who discontinued HMP coverage between the 2017 and 2018 surveys. A subsequent question asked about the setting for that regular source of care, which included a clinic, doctor's office, urgent care/walk-in clinic or emergency room (ER). Three variables were derived from these questions:

- **Regular source of care in last 12 months/since HMP coverage ended:** reporting yes to having a place they usually go when they need a checkup, feel sick, or want advice about their health.
- **Regular source of care in last 12 months/since HMP coverage ended, detailed:** reporting yes to having a place they usually go when they need a checkup, feel sick, or want advice about their health and naming a doctor's office/clinic, urgent care/walk-in clinic, or ER as that place, or reporting no usual place.
- **Regular source of care in last 12 months/since HMP coverage ended was doctor's office/clinic:** reporting yes to having a place they usually go when they need a checkup, feel sick, or want advice about their health and naming a doctor's office/clinic as that place vs. reporting yes to having a place they usually go when they need a checkup, feel sick, or want advice about their health and naming an urgent care/walk-in clinic or ER as that place or reporting no usual place.

Claims-derived variables

Medicaid administrative claims for survey respondents were extracted from the state's Data Warehouse; claims were processed to derive summary flags for utilization of health services. Claims-derived variables were extracted in July 2019. Summary flags cover four 12-month periods corresponding to the year before the 2017 and 2018 surveys and the two years prior to the 2016 survey (0-12 months and 13-24 months prior to sampling for the 2016 HVM survey). Summary variables include counts of emergency department (ED) visits within the time period, overall, for low-complexity ER visits, and for high complexity visits; receipt of preventive dental care (any vs. none), and receipt of other dental care (any vs. none).

Summary health care visit variables

ER visits were identified using the HEDIS Emergency Department Utilization (EDU) measure specifications; ER visits that resulted in an inpatient admission were not counted.

- **Low-complexity ER visits:** the subset of ER visits with procedure codes 99281, 99282, G0380, or G0381.
- **Medium or high-complexity ER visits:** the subset of ER visits with procedure codes 99283, G0382, 99284, 99285, G0383, G0384.

Dental care was identified as a unique date of service with a dental provider that includes at least one procedure code starting with 'D'. Dental care is separated as:

- **Preventive dental care:** a unique date of service that includes at least one procedure code between D1000 and D1999.
- **Other dental care:** a unique date of service that does not have a preventive dental procedure code, and has at least one procedure code between D0001 and D0999, or between D2000 and D9999.

Combined claims- and survey-derived variables

Mental health condition and/or substance use disorder is a dichotomous variable, where respondents were classified as having a mental health condition and/or substance use disorder if they had one or more of the following:

Responding yes on any of the 2016, 2017 or 2018 surveys to a doctor or health professional ever saying the individual had a mood disorder.

Responding yes on any of the 2016, 2017 or 2018 surveys to a doctor or health professional ever saying the individual had a substance use disorder.

Having one or more Medicaid claims in any of the four time periods that contained a diagnosis code for one or more of the following mental health conditions:

1. Anxiety disorders
2. ADHD, Conduct Disorders, and Hyperkinetic Syndrome
3. Bipolar Disorder
4. Depressive Disorders
5. Personality Disorders
6. Post-Traumatic Stress Disorder (PTSD)
7. Schizophrenia and Other Psychotic Disorders
8. Other Mental Health Disorders

Having one or more Medicaid claims in any of the four time periods that contained a diagnosis code for one or more of the following substance use disorders:

1. Alcohol Use Disorders
2. Drug Use Disorders - Cannabis
3. Drug Use Disorders - Caffeine
4. Drug Use Disorders - Hallucinogens
5. Drug Use Disorders - Inhalants
6. Drug Use Disorders - Opioids
7. Drug Use Disorders - Sedatives, Hypnotics, Anxiolytics
8. Drug Use Disorders - Stimulants
9. Drug Use Disorders - Other or Unknown
10. Drug Use Disorders - Polysubstance

Health insurance type

Health insurance type was defined using a combination of Medicaid enrollment data and responses on the 2018 survey.

During fielding of both the 2017 and 2018 surveys, Medicaid enrollment files were queried prior to survey recruitment to identify the status of each individual, categorized as enrolled in HMP, enrolled in another type of Medicaid coverage, or not enrolled in HMP/Medicaid. During the 2017 and 2018 survey administration, respondents either confirmed their pre-identified HMP/Medicaid enrollment; updated their pre-identified HMP/Medicaid enrollment to a different type of insurance; or described a non-Medicaid type of insurance (e.g., employer-sponsored insurance through a job or union,

Medicare, VA or TriCare, individual plan, student health plan); or reported having no health insurance. The combination of Medicaid enrollment data and survey response was used to derive two variables to reflect health insurance at the time of the 2018 survey:

Health insurance type, detailed: confirming or reporting health insurance as HMP/Medicaid; employer-sponsored insurance, Medicare/VA/TriCare, Other (e.g., individual plan, student plan), or uninsured.

Health insurance type: confirming or reporting health insurance as HMP/Medicaid, other type of coverage, or uninsured.

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Appendix D: Details of Weighting Adjustment

Base Selection Weight

For base selection weight calculation, we started with all respondents from the 2017 HMV Follow-Up Survey and the final weight (fu_w_6 in the data set) given to every 2017 HMV Follow-Up Survey respondent. The 2018 HMV Second Follow-Up Survey target population included those who consented to be followed up in the 2017 HMV Follow-Up Survey. The consent rate was 98.9% (unweighted). We used the following adjustment factor for nonconsent:

$$fu2_f_{1,hi} = \begin{cases} 0, & \text{if } i \text{ did not consent} \\ \frac{\sum_{i \in h} fu_w_{6,i}}{\sum_{i \in h} I_C_i \times fu_w_{6,i}}, & \text{if } i \text{ consented} \end{cases}$$

where $fu_w_{6,i}$ is the final weight of respondent i from the 2017 HMV Follow-Up Survey and I_C_i is a 1/0 indicator for consent status (1: consent, 0: not consent). Note that this factor is specific to each sampling stratum, h . This adjustment factor, $fu2_f_{1,hi}$, assumes that consenters in a stratum h represent non-consenters. The resulting base weight of the 2018 HMV Second Follow-Up Survey is:

$$ffu2_w_{1,i} = fu2_f_{1,hi} \times fu_w_{6,i}$$

Nonworking Number Adjustment

We used the following adjustment factor, $f_{2,hi}$, for nonworking numbers considered out of our target population.

$$fu2_f_{2,hi} = \begin{cases} 0, & \text{if } i \text{ is not working number} \\ \frac{\sum_{i \in h} f_{2,hi}}{\sum_{i \in h} (I_WR_i \times f_{2,hi})}, & \text{if } i \text{ is a working number} \end{cases}$$

where I_WR_i is a 1/0 indicator for working number status (1: working number, 0: nonworking number). The resulting weight is:

$$fu2_w_{2,i} = fu2_f_{2,hi} \times fu2_w_{1,i}$$

Unknown Eligibility Adjustment

An adjustment factor is applied to the weight from the previous stage to account for those that were working numbers but contact was not established as follows.

$$ffu2_f_{3,hi} = \begin{cases} 0, & \text{if eligibility is unknown for } i \\ \frac{\sum_{i \in h} fu2_w_{2,i}}{\sum_{i \in h} (I_UE_i \times fu2_w_{2,i})}, & \text{if eligibility is known for } i \end{cases}$$

where I_{UE_i} is a 1/0 indicator for unknown eligibility status (1: known eligibility; 0: unknown eligibility). The resulting weight is:

$$fu2_w_{3,i} = fu2_f_{3,hi} \times fu2_w_{2,i}$$

Known Eligibility Adjustment

Those who were contacted but were not eligible for various reasons were removed through the following approach:

$$fu2_f_{4,hi} = \begin{cases} 0, & \text{if } i \text{ is ineligible} \\ \frac{\sum_{i \in h} fu2_w_{3,i}}{\sum_{i \in h} (I_{EL_i} \times fu2_w_{3,i})}, & \text{if } i \text{ is eligible} \end{cases}$$

where I_{EL_i} is a 1/0 indicator for eligibility status (1: eligible; 0: ineligible). The resulting weight is:

$$fu2_w_{4,i} = fu2_f_{4,hi} \times fu2_w_{3,i}$$

Nonresponse Adjustment

There were some meaningful differences between respondents and nonrespondents. We made an adjustment for nonresponse using a logistic regression approach that controlled for age, education, enrollment status and sampling stratum, which combines FPL and region. The adjustment factor, $fu2_f_{5,i}$, is the inverse of response propensity predicted from the logistic regression. The resulting weight is:

$$fu2_w_{5,i} = fu2_f_{5,i} \times fu2_w_{4,i}$$

Post-stratification

The target population of the 2018 HMV Second Follow-Up Survey was assumed to be the same as that of the 2016 HMV Enrollee Survey for a size of 384,262, as done for 2017 HMV Follow-Up Survey post-stratification. Because age, sex, race/ethnicity and sampling stratum of follow-up respondents are known from the Data Warehouse, any potential discrepancies in these characteristics between the target population and the nonresponse adjusted sample were controlled in the post-stratification. In order to reduce the effect of a large variation in weights, weights were trimmed and normalized to the population totals. The resulting weight is $fu2_w_{6,i}$. When using this post-stratified weight, the sample matches the target population perfectly with respect to age, sex, race/ethnicity and sampling stratum.

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Appendix E: Survey Instruments

Operationalized Version

The target population for the 2018 Healthy Michigan Voices Second Follow-Up Survey: individuals who completed the 2016 Enrollee Survey (all enrolled in HMP-MC at that time) AND completed the Follow-Up Survey in 2017 (some were and some were not enrolled in HMP at follow-up) AND agreed to be recontacted for another follow-up.

[MAKING CONTACT/AGREEMENT TO PARTICIPATE]

Hi, can I speak with [RESP firstname]? This is [interviewer firstname] with the Healthy Michigan Voices project at the University of Michigan.

INT00: If you have the enrollee on the phone:

Healthy Michigan Voices is a project at the University of Michigan – you may remember completing a phone survey with us about a year ago. We’re checking back with people we interviewed last year, to get their views about what’s working well and what may need to be improved.

Do you have any questions? Is this a good time to do the survey?

INT10: Okay, just a couple of quick things for you to know before we start:

- The survey is confidential. We will not tell the state, your health plan, or your doctor any of the specific answers you give on the survey.
- Participating in the survey is voluntary -- if there are any questions you don’t want to answer, you can skip them.
- For completing the survey, you get a \$25 gift card that can be used anywhere that accepts MasterCard. And I’ll tell you more about that at the end.

Do you have any questions before we begin?

RECORD_CALL: For quality assurance and training purposes, can we record this call? Yes/No [If respondent says no, verify that recorder is turned off]

[once recorder is on] Ok, we have your ID listed as <\$Q>.

CH_DOB: And just to confirm that I’m talking with the right person, we show that you were born in <MONTH> <YEAROFB>. Is that correct? Yes/No [TEXT BOX if no]

CK_ENROL: *screen will vary based on their enrollment status at time of Follow Up 1 and DW status at Follow-up 2:*

IF Enrolled in HMP at Follow-up 1, and still enrolled per DW at Follow-up 2:

CK_ENROLA

Our records show that you are still enrolled in the Healthy Michigan Plan. Is that correct?

- Correct [Skip to QA1]
- Unsure [Skip to QA1]
- Not correct, no longer on Healthy Michigan Plan (record response) [Ask follow-up QA]

QA When did your Healthy Michigan Plan coverage end?

- (Record Response) [Skip to QB1]
- Don’t know [Skip to QB1]

- Refused [Skip to QB1]

IF NOT enrolled in HMP at Follow-up 1, but enrolled per DW at Follow-up 2:

CK_ENROLB

Our records show that you are back to being enrolled in the Healthy Michigan Plan as of <MONTH_ENROL> <YEAROFENR>. Is that correct?

- Correct [**Proceed to Still Enrolled Survey QA1**]
- Different time frame (record response) [Skip to QA1]
- Unsure [Skip to QA1]
- Not correct, NOT on Healthy Michigan Plan [Skip to QB2]

IF Enrolled in HMP at Follow-up 1, but NOT enrolled per DW at Follow-up 2:

CK_ENROL C

Our records show that you **have not been enrolled in the Healthy Michigan Plan since <MONTH_DISEN> <YEAROFDISN>**. Is that correct?

- Correct [Skip to QB1]
- Different time frame (record response) [Skip to QB1]
- Unsure [Skip to QB1]
- Not correct, back on HMP (record response) [Ask QC1]
 - QC1** In the last 12 months, for how many months were you uninsured?
 - (Record response; range: 0-12) [Skip to QA1]
 - Don't know [Skip to QA1]
 - Refused [Skip to QA1]

IF NOT enrolled in HMP at Follow-up 1, and still NOT enrolled per DW at Follow-up 2:

CK_ENROL D

Our records show that you **have not been enrolled in the Healthy Michigan Plan since <MONTH_DISEN> <YEAROFDISN>**. Is that correct?

- Correct [Skip to QB2]
- Different timeframe (record response) [Skip to QB2]
- Unsure [Skip to QB2]
- Not correct, back on HMP (record response) [Ask QD1]
 - QD1** In the last 12 months, for how many months were you uninsured?
 - (Record response; range: 0-12) [Skip to QA1]
 - Don't know [Skip to QA1]
 - Refused [Skip to QA1]

If DW = enrollment in a non-HMP Medicaid program:

CK_ENROLE

And it looks like you've been enrolled in another Michigan Medicaid program as of <MONTHMED> <YEARMED> is that correct?

- Correct [Ask QE1]
- Different time frame (record response) [Skip to QB1]
- Unsure [Ask QE1]
- Not correct, back on HMP (record response) [Ask QE2]
- Not correct, other coverage or no insurance (record response) [Skip to QB2]

[If CK_ENROLE=1 OR 3 AND other Medicaid coverage is <12 months]
[OTHERMED=2 AND NOT(CK_ENROLE=1 OR CK_ENROLE=3)]
QE1 In the last 12 months, for how many months were you uninsured?

- (Record response; range: 0-12) [Skip to QB5]
- Don't know [Skip to QB5]

- Refused [Skip to QB5]

[If CK_ENROLE=4, Not correct, back on HMP]

QE2 In the last 12 months, for how many months were you uninsured?

- (Record response; range: 0-12) [Skip to QA1]
 Don't know [Skip to QA1]
 Refused [Skip to QA1]

If DW=enrollment in both Medicare and Medicaid

CK_ENROLF

And it looks like you've been enrolled in Medicare and another Michigan Medicaid program as of <MONTHMED> <YEARMED>. Is that correct?

- Correct [Skip to QB5]
 Different time frame (record response) [Skip to QB5]
 Unsure [Skip to QB5]
 Not sure about Medicaid (record response) [Skip to QB5]
 Not correct, other coverage or no insurance coverage (record response) [Skip to QB2]

BEGINNING OF SURVEY FOR RESPONDENTS ENROLLED IN HMP

These first questions are about your health and health care.

QA1. In general, would you say your health is: Excellent; Very Good; Good; Fair; OR Poor

- Excellent
- Very Good
- Good
- Fair
- Poor
- Don't know
- Refused

QA2. Thinking about your physical health, which includes physical illness and injury: for how many days during the past 30 days was your physical health not good?

- [Record response: Integer 0-30]
- Don't know
- Refused

QA3. In the past year, would you say your physical health has gotten better, stayed the same, OR gotten worse?

- Gotten better
- Stayed the same
- Gotten worse
- Don't know
- Refused

QA4. Now thinking about your mental health, which includes stress, depression, and problems with emotions: for how many days during the past 30 days was your mental health not good?

- [Record response: Integer 0-30]
- Don't know
- Refused

QA5. In the past year, would you say your mental and emotional health has gotten better, stayed the same, OR gotten worse?

- Gotten better
- Stayed the same
- Gotten worse
- Don't know
- Refused

QA6. During the past 30 days, for how many days did poor physical or mental health keep you from doing your usual activities, such as self-care, work, or recreation?

- [Record response: Integer 0-30]
- Don't know
- Refused

QA7. In the past year, has the health of your teeth and gums gotten better, stayed the same, OR gotten worse?

- Gotten better
- Stayed the same

- Gotten worse
- Don't know
- Refused

QA8. How much do you weigh? _____

- [Record response: Integer 0-994]
- Don't know
- Refused

[SERIES]

QA9. Has a doctor or other health professional ever told you that you had any of the following?

QA9A Hypertension, also called high blood pressure?

- Yes
- No
- Don't know
- Refused

QA9B A heart condition or heart disease?

- Yes
- No
- Don't know
- Refused

QA9C Diabetes or sugar diabetes (other than during pregnancy)?

- Yes
- No
- Don't know
- Refused

QA9D Cancer, other than skin cancer?

- Yes
- No
- Don't know
- Refused

QA9E A mood disorder (For example, depression, anxiety, bipolar disorder)?

- Yes
- No
- Don't know
- Refused

QA9F A stroke?

- Yes
- No
- Don't know
- Refused

QA9G Asthma?

- Yes
- No
- Don't know
- Refused

QA9H Chronic bronchitis, COPD or emphysema?

- Yes
- No
- Don't know

- Refused

QA9I A substance use disorder?

- Yes
- No
- Don't know
- Refused

QA9J Arthritis or a related condition (for example, rheumatoid arthritis, gout, lupus, or fibromyalgia)?

- Yes
- No
- Don't know
- Refused

QA9K Any other ongoing health condition?

- Yes [Ask QA9K1]
- No [Skip to QA10]
- Don't know [Skip to QA10]
- Refused [Skip to QA10]

[If QA9K=Yes]

QA9K1 What is the condition?

- (Record response)
- Don't know
- Refused

QA10. Do you have a health problem or disability which prevents you from working or which limits the kind or amount of work you can do?

- Yes
- No
- Don't know
- Refused

QA11. During the time you've been on the Healthy Michigan Plan, have you worked on a health behavior goal?

- Yes [Ask QA11A]
- No [Skip to QA12]
- Don't know [Skip to QA12]
- Refused [Skip to QA12]

[If QA11= Yes]

QA11A What was it? _____

- (record response)
- Don't know
- Refused

QA11B Would you say you've: met your goal, made progress toward your goal, or haven't made progress toward your goal?

- Met goal
- Made progress toward goal
- Haven't made progress [Skip to QA11D]
- Don't know [Skip to QA11D]
- Refused [Skip to QA11D]

[If QA11B=Met or made progress]

QA11C [If met or made progress] What helped you make progress?

- (record response)
- Don't know
- Refused

QA11D [For all] What barriers did you face in trying to meet that goal?

- (record response)
- Don't know
- Refused

Now I'm going to ask about your recent experiences getting health care in the past 12 months.

QA12. In the last 12 months, is there a place you usually go when you need a checkup, feel sick, or want advice about your health?

- Yes [Answer Q13]
- No [Skip to QA14A]
- Not applicable – haven't gotten care [Skip to QA14A]
- Don't know [Skip to QA14A]
- Refused [Skip to QA14A]

[If QA12=YES]

QA13. What kind of a place was it? a clinic, doctor's office, urgent care/walk-in clinic, ER

- Clinic [Ask QA14]
- Doctor's office [Ask QA14]
- Urgent care/walk-in clinic [Skip to QA14A]
- ER [Skip to QA14A]
- Don't know [Skip to QA14A]
- Refused [Skip to QA14A]

[If QA13=clinic/doctor's office]

QA14. And is this your primary care provider for your Healthy Michigan Plan Coverage?

- Yes [Skip to QA15]
- No [Ask QA14A]
- Don't know [Ask QA14A]
- Refused [Ask QA14A]

If **QA12**=No/Don't know/Not applicable OR **QA13**=urgent care/walk-in/ER or **QA14**=No:

QA14A. Do you have a primary care provider for your Healthy Michigan Plan Coverage?

- Yes [Answer QA15]
- No [Skip to QA17]
- Don't know [Skip to QA17]
- Refused [Skip to QA17]

QA15. Is this the same primary care provider you had when we talked with you last year?

- Yes [Skip to QA16]
- No [Answer QA15A]
- Don't know [Skip to QA16]
- Refused [Skip to QA16]

[If QA15=No] **QA15A** Why did you change? [open-ended, check whatever mentioned]

- Didn't like it/wanted a new doctor
- Office closed or moved
- Switched health plans, had to change
- Other (record response)
- Don't know
- Refused

QA16. Have you seen your primary care provider in the past 12 months?

- Yes [Skip to QA17]
- No [Ask QA16A]
- Don't know [Skip to QA17]
- Refused [Skip to QA17]

[If QA16=No] **QA16A** Why not? [open-ended, check whatever mentioned]

- Healthy/didn't need to
- Couldn't get appointment
- Transportation/office too far away
- Don't like my PCP/office staff
- See a specialist instead
- Inconvenient hours
- Don't like doctors in general
- Other (record response)
- Don't know
- Refused

QA17. In the past 12 months, when you felt sick or wanted advice about your health, how easy or difficult was it to get an appointment to see your primary care provider? Would you say: Very easy/Easy/Neutral/ Difficult/Very Difficult or Not Applicable?

- Very easy [Skip to QA18]
- Easy [Skip to QA18]
- Neutral [Skip to QA18]
- Difficult [Ask QA17A]
- Very Difficult [Ask QA17A]
- Not applicable [Skip to QA18]
- Don't know [Skip to QA18]
- Refused [Skip to QA18]

[If QA17=Difficult/Very Difficult]

QA17A What made it difficult? [open-ended, check whatever mentioned]

- Couldn't get through on the telephone
- Couldn't get an appointment soon enough
- Inconvenient hours
- Transportation
- My PCP not available / had to see another provider
- Don't like my PCP/office staff
- Other (record response)
- Don't know
- Refused

QA18. During the past 12 months, did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)?

- Yes [Ask QA19-QA20]
- No [Skip to QA21]
- Don't know [Skip to QA21]
- Refused [Skip to QA21]

[If QA18=YES]

QA19 Thinking about the last time you were at the emergency room, did you try to contact your usual provider's office before going to the emergency room?

- Yes [Ask QA19A]
- No [Ask QA20A]
- Not applicable – no PCP at the time of the ER visit [Ask QA20A]
- Don't know [Skip to QA20A]
- Refused [Skip to QA20A]

[If Q19=YES]

QA19A Did you talk to someone?

- Yes [Ask QA19B]
- No [Skip to QA20A]
- Don't know [Skip to QA20A]
- Refused [Skip to QA20A]

[If QA19A=YES]

QA19B Why did you end up going to the ER? [open-ended, check whatever mentioned]

- No response from the provider
- Told to go to the ER
- Advice wasn't helpful
- Symptoms didn't improve or got worse
- You couldn't get an appointment soon enough
- Other (record response)
- Don't know
- Refused

Which of these were true about that last ER visit?

QA20A You arrived by ambulance or other emergency vehicle

- Yes
- No
- Don't know
- Refused

QA20B The problem was too serious for a doctor's office or clinic

- Yes
- No
- Don't know
- Refused

QA20C Your doctor's office or clinic was not open

- Yes
- No
- Don't know
- Refused

QA20D You needed to get care at a time that would not make you miss work or school

- Yes
- No
- Don't know
- Refused

QA20E You went to the ER because it's your closest place to receive care

- Yes
- No
- Don't know
- Refused

QA20F You went to the ER because you get most of your care at the emergency room

- Yes
- No
- Don't know
- Refused

QA20G Any other reason you decided to go to the ER?

- Yes (record response)
- No
- Don't know
- Refused

[If QA18=NO]

[IF NOT QA18=2 SKIP TO QA22]

QA21. Sometimes people need health care help or advice when their usual clinic or doctor's office is closed. In the last 12 months was there a time when you needed help or advice when your usual clinic or doctor's office was closed?

- Yes [Ask QA21A]
- No [Skip to QA22]
- Don't know [Skip to QA22]
- Refused [Skip to QA22]

[If QA21=YES]

QA21A Thinking about the last time, what did you do to get the health care help or advice you needed? [open-ended, check whatever mentioned]

- Phone/email with primary care office
- Got primary care appointment next day/soon
- Went to urgent care/walk-in clinic
- Got advice elsewhere (friends, internet, etc)
- Problem got better without seeking care
- Other (record response)
- Don't know
- Refused

QA22. In the last 12 months, was there any time when you didn't get the dental care you needed?

- Yes [Ask QA22A]
- No [Skip to QA23]
- Don't know [Skip to QA23]
- Refused [Skip to QA23]

[If QA22=YES]

QA22A. Why didn't you get the care you needed? [open-ended; mark all mentioned]

- Dental plan wouldn't cover treatment/service
- Couldn't find provider that took your dental insurance
- Problems getting appointment
- Transportation/logistics
- Afraid of going to dentist
- Doesn't realize HMP covers dental at all
- Other (record response)
- Don't know
- Refused

QA23. In the last 12 months, was there any time when you didn't get the health care you needed?

- Yes [Ask QA23A-QA23B]
- No [Skip to QA24]
- Don't know [Skip to QA24]
- Refused [Skip to QA24]

[If QA23=YES]

QA23A What type of care?

- Primary care visits
- Specialist visits
- Mental health
- Prescription medication
- Other (record response)
- Don't know [Skip to QA24]
- Refused [Skip to QA24]

[If QA23=YES]

QA23B Why didn't you get the care you needed? [open-ended; mark all mentioned/loop if >1]

[IF NOT QA23A=1 SKIP +1]

QA23B1 Why didn't you get the primary care visits you needed?

- Cost
- Plan wouldn't cover services needed
- Couldn't find provider that took your insurance
- Problems getting appointment
- Transportation/logistics
- Other (record response)
- Don't know
- Refused

[IF NOT QA23A=2 SKIP +1]

QA23B2 Why didn't you get the specialist visits you needed?

- Cost
- Plan wouldn't cover services needed
- Couldn't find provider that took your insurance
- Problems getting appointment
- Transportation/logistics
- Other (record response)
- Don't know

- Refused

[IF NOT QA23A=3 SKIP +1]

QA23B3 Why didn't you get the mental health care you needed?

- Cost
- Plan wouldn't cover services needed
- Couldn't find provider that took your insurance
- Problems getting appointment
- Transportation/logistics
- Other (record response)
- Don't know
- Refused

[IF NOT QA23A=4 SKIP +1]

QA23B4 Why didn't you get the prescription medication you needed?

- Cost
- Plan wouldn't cover services needed
- Couldn't find provider that took your insurance
- Problems getting appointment
- Transportation/logistics
- Other (record response)
- Don't know
- Refused

[IF NOT QA23A=5 SKIP +1]

QA23B5 Why didn't you get the <QA23A:O> you needed?

- Cost
- Plan wouldn't cover services needed
- Couldn't find provider that took your insurance
- Problems getting appointment
- Transportation/logistics
- Other (record response)
- Don't know
- Refused

These next questions are about common types of healthy behaviors.

QA24 In the last 7 days, how many days did you exercise for at least 20 minutes? Read categories if needed.

- Every day
- 3-6 days
- 1-2 days
- 0 days
- Don't know
- Refused

QA25 In the last 7 days, how many days did you drink soda or pop that contains sugar, sweetened fruit drinks, sports drinks, or energy drinks? (Do not include diet soda) Read categories if needed.

- Every day
- 3-6 days
- 1-2 days
- 0 days
- Don't know

Refused

QA26 In the last 7 days, how many days did you eat 3 or more servings of fruits or vegetables in a day? [Interviewer note] Read categories if needed. If questioned: Each time you ate a fruit or vegetable counts as one serving. It can be fresh, frozen, canned, cooked or mixed with other foods.

- Every day
- 3-6 days
- 1-2 days
- 0 days
- Don't know
- Refused

QA27 In the last 12 months, has a doctor, nurse, or other health professional talked with you about exercise?

- Yes
- No
- Don't know
- Refused

QA28. In the last 12 months has a doctor, nurse or other health professional talked with you about diet and nutrition?

- Yes
- No
- Don't know
- Refused

QA29. In the last 7 days, how many days did you have [autofill 5 or more for men, 4 or more for women] alcoholic drinks? Read categories if needed: Every day/3-6 days/1-2 days/0 days

- Every day [Ask QA29A]
- 3-6 days [Ask QA29A]
- 1-2 days [Ask QA29A]
- 0 days [Skip to QA30]
- Don't know [Skip to QA30]
- Refused [Skip to QA30]

[If QA29=1 or more days]

QA29A. In the last 12 months, has a doctor, nurse, or other health professional talked with you about safe alcohol use?

- Yes
- No
- Don't know
- Refused

QA30. In the last 30 days have you smoked or used tobacco?

- Yes [Ask QA31-32]
- No [Skip to QA33]
- Don't know [Skip to QA33]
- Refused [Skip to QA33]

[If QA30=YES]

QA31. Do you want to quit smoking or using tobacco?

- Yes [Ask QA31A]

- No [Skip to QA32]
- Don't know [Skip to QA32]
- Refused [Skip to QA32]

[If QA31=YES]

QA31A Are you working on cutting back or quitting right now?

- Yes
- No
- Don't know
- Refused

[If QA30=YES]

QA32 In the last 12 months, did you receive any advice or assistance from a health professional or your health plan on HOW to quit or cut back?

- Yes
- No
- Don't know
- Refused

QA33. In the last 30 days, have you used drugs or medications *to affect your mood or help you relax*? This includes prescription drugs taken differently than how you were told to take them, as well as street drugs.

- Yes [Ask QA33A]
- No [Skip to QA34]
- Don't know [Skip to QA34]
- Refused [Skip to QA34]

[If QA33=YES]

QA33A How often?

- Almost every day [Ask QA33B]
- Sometimes [Ask QA33B]
- Rarely [Skip to QA34]
- Never [Skip to QA34]
- Don't know [Skip to QA34]
- Refused [Skip to QA34]

[If QA33A = Almost every day/Sometimes]

QA33B. In the last 12 months, has a doctor, nurse, or other health professional talked with you about your use of these drugs or medications?

- Yes
- No
- Don't know
- Refused

People who enroll in the Healthy Michigan Plan are encouraged to complete a Health Risk Assessment **each year**. *The Health Risk Assessment form includes questions about your eating, exercise and other health habits; a section about choosing a healthy behavior to work on; and a section your provider's office should complete.*

QA34. In the last year, did you discuss the Health Risk Assessment with your doctor or someone at your primary care provider's office?

- Yes [Ask QA34A]

- No [Skip to QA35A]
- Don't remember [Skip to QA35A]
- Refused [Skip to QA35A]

[If Q34=YES]

QA34A What healthy behavior did you choose to work on? [open-ended, code all mentioned]

- Exercise/activity
- Nutrition/diet
- Lose weight
- Reduce/quit tobacco use
- Flu shot
- Reduce/quit alcohol use
- Treatment for substance use
- Stress/mental health care
- Take medicine regularly
- Monitor my blood pressure/blood sugar
- Go to the dentist
- Return to doctor
- Other (record response)
- Don't remember [Skip to QA35A]
- Refused [Skip to QA35A]

[If QA34A=anything]

QA34B WHY did you choose this healthy behavior? [open-ended; code all mentioned]

- Doctor suggested it
- Something I wanted to do anyway
- Easy to do
- HMP would cover the cost
- Other (record response)
- Don't know
- Refused

The next questions are about your Healthy Michigan coverage.

QA35. I'm going to read some different types of health care, and you tell me if you think it is covered under Healthy Michigan Plan, not covered, or if you don't know. Don't worry if you don't know the answer – the state is just trying to find out what people do and don't know about the Healthy Michigan Plan. The first one is eyeglasses: do you think those are covered, not covered or don't know?

QA35A Eyeglasses

- Covered
- Not covered
- Don't know
- Refused

QA35B Prescription medications

- Covered
- Not covered
- Don't know
- Refused

QA35C Routine dental care

- Covered
- Not covered
- Don't know
- Refused

QA35D Treatment to stop smoking

- Covered
- Not covered
- Don't know
- Refused

QA35E Birth control or family planning

- Covered
- Not covered
- Don't know
- Refused

QA35F Counseling for mental or emotional problems

- Covered
- Not covered
- Don't know
- Refused

QA35G Substance use treatment

- Covered
- Not covered
- Don't know
- Refused

Now I'm going to make some statements about the Healthy Michigan Plan coverage and costs. If you think the statement is correct, say "yes." If you think it is incorrect, say "no." If you don't know, say "don't know."

QA36A I could be dropped from the Healthy Michigan Plan for not paying my bill.

- Yes
- No
- Don't know
- Refused

QA36B I may get a reduction in the amount I might have to pay if I complete a health risk assessment.

- Yes
- No
- Don't know
- Refused

QA36C Some kinds of visits, tests and medicines have no copays.

- Yes
- No
- Don't know
- Refused

QA37 In the past year, have you received a statement from the state that showed the services you received through the Healthy Michigan Plan and how much you owe, if anything? It's called your MI Health Account Statement.

[NOTE: MI Health Account statements are sent through the mail. You should get one of these statements every few months, even if you don't owe anything. Do you remember anything like that?]

- Yes [Ask QA38-40]

- No [Skip to QA41A]
- Don't know [Skip to QA41A]
- Refused [Skip to QA41A]

[If QA37=Yes: ask QA38-40]

For the following statements, tell me if you Strongly agree/Agree/Are neutral/Disagree/Strongly disagree.

QA38 I carefully review each MI Health Account statement to see how much I owe.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

QA39 The MI Health Account statements help me be more aware of the cost of health care.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

QA40 Information I saw in a MI Health Account statement led me to change some of my decisions about health care.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

ALL RESPONDENTS

QA41 For the next questions, tell me if you: Strongly agree/Agree/Are neutral/Disagree/Strongly disagree.

QA41A The amount I have to pay overall for the Healthy Michigan Plan seems fair.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

QA41B The amount I have to pay for the Healthy Michigan Plan is affordable.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

QA41C There is a limit on the total amount I have to pay each year for Healthy Michigan Plan insurance.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

QA41D Having the Healthy Michigan Plan has taken a lot of stress off me.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

QA41E Without the Healthy Michigan Plan, I wouldn't be able to go to the doctor.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

QA41F Without the Healthy Michigan Plan, I wouldn't be able to go to the dentist.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

QA42. For these next few questions, I'm going to read some general statements about getting health care, and you tell me if you: Strongly agree/Agree/Are neutral/Disagree/Strongly disagree.

QA42A There should be a limit on how long someone can be covered by Medicaid.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

QA42B It is very important to me personally to have health insurance.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

QA42C Getting discounts on copays and premiums as a reward for working on improving your health is a good idea.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

QA42D Everyone should have to pay something for their health care.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

QA42E If I have a medical problem, my preference is to go straight to a doctor and ask his or her opinion.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

QA43. In the last 12 months, have you had any questions or problems **using** your Healthy Michigan Plan insurance?

- Yes [Ask QA43A]
- No [Skip to QA44]
- Don't know [Skip to QA44]
- Refused [Skip to QA44]

[If QA43=YES]

QA43A What kind of questions or difficulties did you have? (open ended; check all that apply)

- Difficulty/inability finding a provider
- Needed a service that wasn't covered
- Difficulty finding out information
- Payment issues (making payments, charged incorrectly, did not know how/how much to pay)
- Other (record response)
- Don't know
- Refused

QA44. In the last 12 months, about how much did you spend out-of-pocket for your own medical and dental care?

- [Record dollar amount] [Skip to QA45]
- Don't know [Ask QA44A]
- Refused [Skip to QA45]

[If QA44=DON'T KNOW]

QA44A I'll read some categories, and you stop me when I get to the amount you think is about right. Less than \$50/from \$51-100/\$101-500/\$501 to \$2,000/\$2,001 to \$3,000/\$3,001 to \$5,000/more than \$5,000?

- Less than \$50
- From \$51-\$100
- \$101-\$500
- \$501-\$2,000
- \$2,001-\$3,000
- \$3,001-\$5,000
- More than \$5,000
- Don't know
- Refused

INTERVIEWER NOTE: (1) Your best estimate is fine. (2) Include anything paid for prescription drugs, co-payments, insurance premiums and deductibles. Do not include anything paid by your health insurance.

For these next questions, you can just answer yes or no.

QA45 In the past 12 months, did you check how much you would pay for a doctor's visit, medication, or other health care service before you received care?

- Yes [Ask QA45A]
- No [Skip to QA46]
- Don't know [Skip to QA46]
- Refused [Skip to QA46]

[If QA45=YES]

QA45A What type of health care was this for? (open ended; check all that apply)

- Doctor's visit
- Medication
- Lab test / imaging test
- Surgery or procedure
- Other (record response)
- Don't know
- Refused

QA46. In the past 12 months, did you compare quality ratings for any health care services at different places?

- Yes [Ask QA46A]
- No [Skip to QA47]
- Don't know [Skip to QA47]
- Refused [Skip to QA47]

[If QA46=YES]

QA46A What type of health care was this for? (open ended; check all that apply)

- Doctor's visit
- Medication
- Lab test / imaging test
- Surgery or procedure
- Other (record response)
- Don't know
- Refused

QA47 In the past 12 months, did you talk with a health care provider about how much any health care services would cost you personally?

- Yes [Ask QA47A]
- No [Skip to QA48]

- Don't know [Skip to QA48]
- Refused [Skip to QA48]

[If QA47=YES]

QA47A What type of health care was this for? (open ended; check all that apply)

- Doctor's visit
- Medication
- Lab test / imaging test
- Surgery or procedure
- Other (record response)
- Don't know
- Refused

QA48 In the past 12 months, did you ask a health care provider to recommend a less costly prescription drug?

- Yes
- No
- Don't know
- Refused

Next we have just a few questions about you.

QA49 Are you currently in school?

- Yes [Ask QA49]
- No [Skip to QA50]
- Don't know [Skip to QA50]
- Refused [Skip to QA50]

[If QA49=YES]

QA49A Are you a full-time or part-time student?

- Full-time
- Part-time
- Don't know
- Refused

QA50 Are you currently employed or self employed?

- Yes [Ask QA51]
- No [Skip to QA62]
- Don't know [Skip to QA62]
- Refused [Skip to QA62]

[If QA50=YES, ask **QA51-QA60**]

[If QA50=**NO**, skip to **QA62**]

QA51 How many employers do you currently work for?

- [Record response; Integer 1-10]
- Don't know
- Refused

QA52 Including overtime, about how many hours per week do you usually work on all paid jobs?

Numeric; 1 decimal place; Range 0.0-168.0

- [Record response; Range: 0.0-168.0]
- Don't know
- Refused

QA53 Does your employer offer health insurance? Yes/No/Don't know

If >1 employer: Do any of your employers offer health insurance?

- Yes [Ask QA53A]
- No [Skip to QA54]
- Don't know [Skip to QA54]
- Refused [Skip to QA54]

If YES: **QA53A** What is the reason you don't have health insurance through your job? (open-ended)

- I don't work enough hours
- I have to wait [until a certain time] to be eligible
- I am eligible for health insurance but it is too expensive
- Other (record response)
- Don't know
- Refused

QA54. In the past 12 months, about how many days did you miss work because of illness or injury (do not include maternity leave)?

- [Record response 0-366]
- Don't know
- Refused

QA55. In the past 12 months, how would you describe the number of hours you work? Would you say: [read choices/select one]

- It is pretty consistent throughout the year
- It changes by season
- It changes from week to week
- Don't know
- Refused

QA56. Would you work more hours if your employer would let you?

- Yes [Skip to QA57]
- No [Ask QA56A]
- Don't know [Skip to QA57]
- Refused [Skip to QA57]

[If QA56=no]

QA56A If not, why not? (open-ended, probe using "are there other reasons?")

- Caregiving responsibilities
[if yes, ask QA56A1]
- Poor health or disability
- Lack necessary school, training, skills or experience for available hours
- Employers think I'm too old or too young
- Prior conviction
- Other types of discrimination
- In school or other training
- Transportation problems
- Already work full time

- Other (record response)
- Don't know
- Refused

[If QA56A=01]

QA56A1 You mentioned caregiving responsibilities. Were those caregiving responsibilities...

- For your child/children
- For another family member
- Other (Record response)
- Don't know
- Refused

QA57. Have you changed jobs in the last 12 months?

- Yes
- No
- Don't know
- Refused

QA58. In the past 12 months, about how many weeks, in total, were you out of work?

- [Record response; Range: 0-52]
- Don't know
- Refused

QA59. In the past 30 days, how many days have you experienced problems related to transportation that caused you to be late or miss days at work or school? *Integer*

- [Record response; Range: 0-30]
- Don't know
- Refused

QA60. Are you currently looking for a job other than what you have now?

- Yes [Skip to QA69]
- No [Skip to QA69]
- Don't know [Skip to QA69]
- Refused [Skip to QA69]

THEN SKIP TO QA69

[If QA50=NO and not a fulltime student]

[If QA49A=1 Skip to QA69]

QA62 Would you say you are: retired, unable to work, or out of work?

- Retired [Ask QA63]
- Unable to work [Skip to QA64]
- Out of work [Skip to QA65]
- Don't know [Skip to QA66]
- Refused [Skip to QA66]

[If retired]

QA63 How long have you been retired?

- Less than one year
- One year or more
- Don't know
- Refused

[If retired]

QA63A What are the reasons you retired? (open-ended, probe for multiple reasons)

- Caregiving responsibilities
 - o [if yes, QA63A1]
- Poor health or disability
- Work did not pay enough to meet work-related expenses (e.g., transportation)
- Employer offered early retirement
- Laid off and could not find new job
- Transportation problems
- Other (record response)
- Don't know
- Refused

[If QA63A=01]

QA63A1 You mentioned caregiving responsibilities. Were those caregiving responsibilities...

- For your child/children
- For another family member
- Other (Record response)
- Don't know
- Refused

[If unable to work]

QA64 How long have you been unable to work?

- Less than one year
- One year or more
- Don't know
- Refused

[If unable]

QA64A What are the reasons you are unable to work? (open-ended, probe for multiple reasons)

- Caregiving responsibilities
 - o [if yes, Q64A1]
- Poor health or disability
- Couldn't find a job that pays enough to meet work-related expenses

- No work available nearby
- Couldn't find work
- Lack necessary school, training, skills or experience for available jobs
- Employers think I'm too old or too young
- Prior conviction
- Other types of discrimination
- In school or other training
- Transportation problems
- Other (record response)
- Don't know
- Refused

[If QA64A=01]

QA64A1 You mentioned caregiving responsibilities. Were those caregiving responsibilities...

- For your child/children
- For another family member
- Other (record response)
- Don't know
- Refused

[If out of work]

QA65 How long have you been out of work?

- Less than one year [Ask QA65A]
- One year or more [Skip to QA65B]
- Don't know [Skip to QA65B]
- Refused [Skip to QA65B]

QA65A In the past year, about how many weeks, in total, were you out of work?

- [Record response; Range: 0-52]
- Don't know
- Refused

[If out of work]

QA65B What are the reasons you are out of work? (open-ended, probe for multiple reasons)

- Caregiving responsibilities
 - [if yes] For child/children or someone else?
- Poor health or disability
- Couldn't find a job that pays enough to meet work-related expenses
- No work available nearby
- Couldn't find work
- Lack necessary school, training, skills or experience for available jobs
- Employers think I'm too old or too young
- Prior conviction
- Other types of discrimination
- In school or other training
- Transportation problems
- Other (record response)
- Don't know
- Refused

[If QA65B=01]

QA65B1 You mentioned caregiving responsibilities. Were those caregiving responsibilities...

- For your child/children
- For another family member
- Other (record response)
- Don't know
- Refused

QA66. Are you currently looking for a job?

- Yes
- No
- Don't know
- Refused

QA67. In the last 2 years, have you completed or are you currently enrolled in training, programs, or courses to increase your chances of getting or keeping a job?

- Yes
- No
- Don't know
- Refused

QA68. In the past 30 days, how many days have you experienced problems related to transportation that would affect your ability to get or keep a job?

- [Record response; Range: 0-30]
- Don't know
- Refused

ALL RESPONDENTS PICK BACK UP HERE

QA69. In the past 12 months, did you spend time caring for a person who could not care for themselves?

- Yes [Ask QA70-71]
- No [Skip to QA72]
- Don't know [Skip to QA72]
- Refused [Skip to QA72]

[If QA69=YES]

QA70 In the past 12 months, did you experience any of the following because you were caring for a person who could not care for themselves?

QA70A Went from working full-time to part-time, or cut back your hours

- Yes
- No
- Don't know
- Refused

QA70B Received a warning about your performance or attendance at work

- Yes
- No
- Don't know
- Refused

QA70C Lost any of your job benefits

- Yes

- No
- Don't know
- Refused

QA70D Took a leave of absence from work

- Yes
- No
- Don't know
- Refused

QA70E Gave up working entirely

- Yes
- No
- Don't know
- Refused

If QA69=YES]

QA71 In the past 12 months, about how many days did you miss work because you were caring for a person who could not care for themselves?

- [Record response; Range: 0-366]
- Don't know
- Refused

QA72 For the next questions, please answer Yes/No/Not applicable.

QA72A The Healthy Michigan Plan gave me insurance when I couldn't get insurance at my job.

- Yes
- No
- Not applicable
- Don't know
- Refused

QA72B Having the Healthy Michigan Plan helped me stay insured between jobs or between school and a job.

- Yes
- No
- Not applicable
- Don't know
- Refused

QA72C Getting health insurance through the Healthy Michigan Plan helped me do a better job at work.

- Yes
- No
- Not applicable
- Don't know
- Refused

QA72D Having health insurance through the Healthy Michigan Plan helped me get a better job.

- Yes
- No
- Not applicable
- Don't know
- Refused

QA72E Having health insurance through the Healthy Michigan Plan has made me better able to look for a job.

- Yes
- No

- Not applicable
- Don't know
- Refused

QA73 What is the highest grade of school you have completed, or the highest degree you have received? [open-ended]

- Less than high school
- High school graduate (or equivalent)
- Some college (1-4 years, no degree)
- Associate's degree (including occupational or academic degrees)
- Bachelor's degree (BA, BS, AB, etc.)
- A post graduate degree (MS, MSW, MPH, MD, JD, etc.)
- Don't know
- Refused

QA74. Are you: Married/Divorced/Widowed/Separated/Partnered/Never married?

- Married
- Divorced
- Widowed
- Separated
- Partnered
- Never Married
- Don't know
- Refused

QA75 Are you currently a Michigan resident?

- Yes
- No
- Refused

QA76 In the past 3 years, how many places have you lived for one week or longer —including where you live now?

Would you say? 1 / 2 / 3 / 4 or more

- 1
- 2
- 3
- 4 or more
- Don't know
- Refused

QA77 Have you been homeless at any time in the last 12 months?

- Yes
- No
- Don't know
- Refused

QA78 Would you like to add anything else about your experiences with the Healthy Michigan Plan?

- Yes (record response) [Skip to ADDRESS2]
- No [Skip to ADDRESS2]
- Don't know [Skip to ADDRESS2]
- Refused [Skip to ADDRESS2]

BEGINNING OF SURVEY FOR RESPONDENTS NOT ENROLLED IN HMP

So now I have a few questions about the end of your Healthy Michigan Plan insurance coverage.

[For those whose HMP ended since FLUP1]

QB1. Why did your Healthy Michigan Plan coverage end?

- Got other insurance
- No longer eligible – income increase
- No longer eligible – change in household status
- Didn't send in re-enrollment materials
- Problem with re-enrollment/documentation
- Dissatisfied with HMP coverage
- HMP too expensive
- Don't need health insurance
- Don't know why
- Other (record response)
- Refused

QB2. Are you currently covered by any kind of health insurance or health care plan?

- Yes [Skip to QB4]
- No [Ask QB3]
- Don't know [Ask QB3]
- Refused [Ask QB3]

[If QB2=NO, NOT currently covered by health insurance]

QB3. Did you have health insurance at any time [since your Healthy Michigan Plan ended/in the last 12 months]?

- Yes [Ask QB3A]
- No [Skip to QB3D]
- Don't know [Skip to QB3C]
- Refused [Skip to QB3C]

[If QB3=YES] **QB3A** What type of health insurance did you have? [open-ended; *can have >1 type*]

- Insurance provided through a job or union
If YES: **QB3A1.** Whose job is it? (respondent/family member)
- Insurance purchased by you or someone else
If YES: **QB3A2.** Who purchased it? (respondent/family member)
QB3A3. Was it purchased through the marketplace known as healthcare.gov? Y/N/DK
If YES: **QB3A4.** Did you receive a subsidy? *A subsidy is a benefit from the government that can lower your monthly health insurance payments according to your income.* Y/N/DK
- Veterans Administration or VA care
- CHAMPUS, TRICARE
- Medicare
- County health plan
- Medicaid / other state program
- Student health plan
- Other: (record response)

[If NOT QB3A=1 SKIP +1]

QB3A1 Whose job is it?

- Respondent

- Family member
- Don't know
- Refused

[If NOT QB3A=2 SKIP +3]

QB3A2 Who purchased it?

- Respondent
- Family member
- Don't know
- Refused

QB3A3 Was it purchased through the marketplace known as healthcare.gov?

- Yes
- No
- Don't know
- Refused

QB3A4 Did [you/they] receive a subsidy? *A subsidy is a benefit from the government that can lower your monthly health insurance payments according to your income.*

- Yes
- No
- Don't know
- Refused

QB3B Why did that insurance coverage end?

- Lost job/employer coverage
- Too expensive
- Other (record response)
- Don't know
- Refused

QB3C [Since your Healthy Michigan Plan insurance ended/in the last 12 months], for how many months were you uninsured?

- Three months or less
- Four months to six months
- Seven months to 11 months
- 12 months
- Other [explain] (record response)
- Don't know
- Refused

QB3D What are the MAIN reasons you currently do not have health insurance? [open-ended; check all]

- Job didn't offer health insurance
- Job offered health insurance but it was too expensive
- No medical problems/didn't need insurance
- Too expensive to buy own policy
- Was waiting to get insurance through a job
- Had problems with applying
- Tried to enroll in private insurance, redirected to Medicaid
- Just didn't get around to it

- Other (record response)
- Don't know
- Refused

[If QB2=YES, currently covered by health insurance]

[IF NOT QB2=1 SKIP TO QB5]

QB4A What type of health insurance do you have?

- Insurance provided through a job or union
If YES: **QB4A1** Whose job is it? (respondent; family member)
- Insurance purchased by you or someone else
If YES: **QB4A2** Who purchased it? (respondent; family member)
QB4A3 Was this insurance purchased through the marketplace known as healthcare.gov? Yes/No
QB4A4 If YES: Did [you/they] receive a subsidy? *A subsidy is a benefit from the government that can lower your monthly health insurance payments according to your income.* Yes/No
- Veterans Administration or VA care
- CHAMPUS, TRICARE
- Medicare
- County health plan
- Medicaid/Other state program
- Student health plan
- Other: (record response)

[If NOT QB4A=1 SKIP +1]

QB4A1 Whose job is it?

- Respondent
- Family member
- Don't know
- Refused

[If NOT QB4A=2 SKIP +3]

QB4A2 Who purchased it?

- Respondent
- Family member
- Don't know
- Refused

QB4A3 Was it purchased through the marketplace known as healthcare.gov?

- Yes
- No
- Don't know
- Refused

QB4A4 Did [you/they] receive a subsidy? *A subsidy is a benefit from the government that can lower your monthly health insurance payments according to your income.*

- Yes
- No
- Don't know
- Refused

QB4B Was there any time [since your Healthy Michigan Plan insurance ended/in the past 12 months] that you didn't have any health insurance?

- Yes [Ask QB4B1-QB4C]
- No [Skip to QB4D]
- Don't know [Skip to QB4D]
- Refused [Skip to QB4D]

[If YES] **QB4B1.** How long were you uninsured? [record response; offer categories if needed]

- Three months or less
- Four months to six months
- Seven months to 11 months
- 12 months
- Other (record response)
- Don't know
- Refused

QB4C What were the main reasons you were without health insurance for that time? [open-ended]

- Job didn't offer health insurance
- Job offered health insurance but it was too expensive
- No medical problems/didn't need insurance
- Too expensive to buy own policy
- Was waiting to get insurance through a job
- Had problems with applying
- Tried to enrolled in private insurance, redirected to Medicaid
- Just didn't get around to it
- Other (record response)
- Don't know
- Refused

QB4D *Back to the health insurance you currently have...* Is your current health insurance plan in your name or someone else's?

- In my name [Skip to QB4E1]
- In someone else's name [Ask QB4D1]
- Don't know [Skip to QB4E1]
- Refused [Skip to QB4E1]

QB4D1. [If SOMEONE ELSE'S] What is your relationship to that person?

- Spouse
- Former spouse
- Other family member
- Some other relationship
- Don't know
- Refused

How much are the health insurance premiums? Give the dollar amount and how often it is paid, for example, \$100 a month. Include what is taken out of a paycheck to cover insurance premiums. *Include cost covered by anyone on your behalf EXCEPT an employer.*

QB4E1 Amount [TEXT BOX \$____]	QB4E2 How often Every week	QB4E3 If Don't Know for either \$ or timeframe:
--	--------------------------------------	---

\$0/ \$1-\$99/ \$100-\$199 \$200 or more Don't know	Every 2 weeks/bi-monthly Once a month/ Quarterly (every 3 months) Twice a year Once a year N/A - \$0 Other (record response)	Would you say the amount per month is: \$0 \$1-\$99 \$100-\$199 \$200 or more Don't know
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[QB4E1-QB4E3: Use Screen 5 for consecutive questions in multiple columns]

QB4E1 How much are the health insurance premiums? Give the dollar amount and how often it is paid, for example, \$100 a month. Include what is taken out of a paycheck to cover insurance premiums. *Include cost covered by anyone on your behalf EXCEPT an employer.*

- Specify amount (Record response)
- \$0
- \$1-\$99
- \$100-\$199
- \$200 or more
- Don't know
- Refused

QB4E2 *How often*

- Every week
- Every 2 weeks/bi-monthly
- Once a month
- Quarterly (every 3 months)
- Twice a year
- Once a year
- N/A - \$0
- Other (record response)
- Don't know
- Refused

[If Don't know for either QB4E1 OR QB4E2]

QB4E3 Would you say the amount per month is:

- \$0
- \$1-\$99
- \$100-\$199
- \$200 or more
- Don't know
- Refused

[Ask ONLY for those who currently have private coverage and insurance in respondent's name]

[SKIP to QB5 IF NOT(QB4A=1 OR QB4A=2) OR NOT QB4D=1]

QB4F Who is covered under your current health insurance plan?

- Just me
- Me and at least one other family member
- Don't know
- Refused

QB4G A deductible is the amount of money you yourself have to pay for health care services before your health insurance will start paying. Does this health plan have a deductible?

- Yes [Ask QB4G]
- No [Skip to QB5]
- Don't know [Skip to QB5]
- Refused [Skip to QB5]

TRAINING NOTE: Sometimes there are services covered before the deductible is met
(IF RESPONDENT CONFUSES DEDUCTIBLE AND CO-PAY: A co-pay is payment for a doctor visit or other medical service and a deductible is the amount you pay before your insurance plan will start paying any part of your medical bills.

[If QB4G=Yes, plan has deductible] Is the annual deductible for medical care for this plan:

[Individual plan]

[SKIP+1 IF NOT QB4F=1]

QB4G1

- Less than \$1,350
- More than \$1,350
- Don't know
- Refused

[If 2+ persons covered by this plan]

[SKIP +1 IF NOT QB4F=2]

QB4G2

- Less than \$2,700
- More than \$2,700
- Don't know
- Refused

QB4G1 <i>If individual plan:</i> less than \$1,350 or more than \$1,350?	QB4G2 <i>[If 2+ persons covered by this plan:]</i> less than \$2,700 or more than \$2,700?
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TRAINING NOTE: If there is a separate deductible for prescription drugs, hospitalization, or out-of-network care, do not include those deductible amounts here.

These next questions are about your health and health care.

QB5. In general, would you say your health is: Excellent/Very Good/Good/Fair/OR Poor

- Excellent
- Very good
- Good
- Fair
- Poor
- Don't know
- Refused

QB6. Thinking about your physical health, which includes physical illness and injury: for how many days during the past 30 days was your physical health not good?

- [Record response: Integer 0-30]
- Don't know
- Refused

QB7. In the past year, would you say your physical health has Gotten better/Stayed the same/OR Gotten worse?

- Gotten better
- Stayed the same
- Gotten worse
- Don't know
- Refused

QB8. Now thinking about your mental health, which includes stress, depression, and problems with emotions: for how many days during the past 30 days was your mental health not good?

- [Record response: Integer 0-30]
- Don't know
- Refused

QB9. In the past year, would you say your mental and emotional health has Gotten better/Stayed the same/OR Gotten worse?

- Gotten better
- Stayed the same
- Gotten worse
- Don't know
- Refused

QB10. During the past 30 days, for how many days did poor physical or mental health keep you from doing your usual activities, such as self-care, work, or recreation?

- [Record response: Integer 0-30]
- Don't know
- Refused

QB11. In the past year, has the health of your teeth and gums Gotten better/Stayed the same/OR Gotten worse?

- Gotten better
- Stayed the same
- Gotten worse
- Don't know
- Refused

QB13. How much do you weigh? _____

- (Record response in pounds; Range 0-994)
- Don't know
- Refused

QB14. Has a doctor or other health professional ever told you that you had any of the following?

QB14A Hypertension, also called high blood pressure?

- Yes
- No
- Don't know
- Refused

QB14B A heart condition or heart disease?

- Yes
- No
- Don't know
- Refused

QB14C Diabetes or sugar diabetes (other than during pregnancy)?

- Yes
- No
- Don't know
- Refused

QB14D Cancer, other than skin cancer?

- Yes
- No
- Don't know
- Refused

QB14E A mood disorder (For example, depression, anxiety, bipolar disorder)?

- Yes
- No
- Don't know
- Refused

QB14F A stroke?

- Yes
- No
- Don't know
- Refused

QB14G Asthma?

- Yes
- No
- Don't know
- Refused

QB14H Chronic bronchitis, COPD or emphysema?

- Yes
- No
- Don't know
- Refused

QB14I A substance use disorder?

- Yes
- No
- Don't know
- Refused

QB14J Arthritis or a related condition (for example, rheumatoid arthritis, gout, lupus, or fibromyalgia)?

- Yes
- No
- Don't know
- Refused

QB14K Any other ongoing health condition?

- Yes [Ask QB14K1]
- No [Skip to QB15]
- Don't know [Skip to QB15]
- Refused [Skip to QB15]

[If QB14K=Yes]

QB14K1 What is the condition?

- (Record response)
- Don't know
- Refused

QB15. Do you have a health problem or disability which prevents you from working or which limits the kind or amount of work you can do?

- Yes
- No
- Don't know
- Refused

Now I'm going to ask about your recent experiences getting health care.

QB16. [Since your Healthy Michigan Plan insurance ended/in the past 12 months], is there a place you usually go when you need a checkup, feel sick, or want advice about your health?

- Yes [Ask QB16A]
- No [Skip to QB17]
- Not applicable – haven't gotten care [Skip to QB17]
- Don't know [Skip to QB17]
- Refused [Skip to QB17]

[If QB16=YES]

QB16A What kind of a place was it? a clinic, doctor's office, urgent care/walk-in clinic, ER

- Clinic [Ask QB16B]
- Doctor's office [Ask QB16B]
- Urgent care [Skip to QB17]
- Walk-in clinic [Skip to QB17]
- ER [Skip to QB17]
- Don't know [Skip to QB17]
- Refused [Skip to QB17]

[If QB16A=clinic/doctor's office]

QB16B Is this the same place as your Healthy Michigan Plan primary care provider?

- Yes
- No
- Don't know
- Refused

QB17. [Since your Healthy Michigan Plan insurance ended/in the past 12 months], did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)?

- Yes [Ask QB18]
- No [Skip to QB19A]
- Don't know [Skip to QB19A]
- Refused [Skip to QB19A]

[If B17=YES]

QB18. Thinking about the most recent time you were at the emergency room, did you try to contact your usual provider's office before going to the emergency room?

- Yes [Ask QB18A]
- No [Skip to QB19A]
- NA – no usual provider [Skip to QB19A]
- Don't know [Skip to QB19A]
- Refused [Skip to QB19A]

[If QB18=YES]

QB18A Did you talk to someone?

- Yes [Ask QB18B]
- No [Skip to QB19A]
- Don't know [Skip to QB19A]
- Refused [Skip to QB19A]

[If QB18A=YES]

QB18B Why did you end up going to the ER? [open-ended, check whatever mentioned]

- No response from the provider
- Told to go to the ER
- Advice wasn't helpful
- Symptoms didn't improve or got worse
- You couldn't get an appointment soon enough
- N/A don't have a usual provider right now
- Other (record response)
- Don't know

Refused

QB19 *I'm going to ask about different categories of health care. Tell me if your ability to get that type of care now is better, worse, or about the same, compared to when you had Healthy Michigan Plan insurance.*

You can also say if you don't know, or if that type of care doesn't apply to you. The first one is primary care.

QB19A Would you say that your ability to get primary care now is better, worse, or about the same compared to when you had Healthy Michigan Plan insurance?

- Better
- Worse
- About the same
- Don't know
- Refused

QB19B Specialist care

- Better
- Worse
- About the same
- Don't know
- Refused

QB19C Dental care

- Better
- Worse
- About the same
- Don't know
- Refused

QB19D Vision care

- Better
- Worse
- About the same
- Don't know
- Refused

QB19E Mental health care

- Better
- Worse
- About the same
- Don't know
- Refused

QB19F Substance use treatment services

- Better
- Worse
- About the same
- Don't know
- Refused

QB19G Prescription medications

- Better
- Worse
- About the same
- Don't know
- Refused

QB19H Cancer screening

- Better
- Worse
- About the same
- Don't know
- Refused

QB19I Help with staying healthy or preventing health problems

- Better
- Worse
- About the same
- Don't know
- Refused

QB19J Birth control/Family planning services

- Better
- Worse
- About the same
- Don't know
- Refused

QB20. [Since your Healthy Michigan Plan insurance ended/in the past 12 months], have you had to change any of your providers?

- Yes [Ask QB20A]
- No [Skip to QB21]
- Don't know [Skip to QB21]
- Refused [Skip to QB21]

[If QB20=YES]

QB20A Which providers? [open-ended; mark all mentioned]

- Primary care provider
- Specialist
- Mental health provider
- Dentist
- Other (record response)
- Don't know
- Refused

QB21. [Since your Healthy Michigan Plan insurance ended/in the past 12 months], was there any time when you didn't get the health care you needed?

- Yes [Ask QB21A-B]
- No [Skip to QB22]
- Don't know [Skip to QB22]
- Refused [Skip to QB22]

[If QB21=YES]

QB21A What type of care? [open-ended; mark all mentioned]

- Primary care visits
- Specialist visits
- Mental health
- Prescription medication
- Other (record response)
- Don't know
- Refused

[If QB21=YES]

QB21B Why didn't you get [type of] care you needed? [open-ended/mark all; loop QB21A types]

[IF NOT QB21A=1 SKIP +1]

QB21B1 Why didn't you get the primary care visits you needed?

- Cost
- No insurance coverage
- Plan wouldn't cover services needed
- Couldn't find provider that took your insurance
- Problems getting appointment
- Transportation/logistics
- Other (record response)
- Don't know
- Refused

[IF NOT QB21A=2 SKIP +1]

QB21B2 Why didn't you get the specialist visits you needed?

- Cost
- No insurance coverage
- Plan wouldn't cover services needed
- Couldn't find provider that took your insurance
- Problems getting appointment
- Transportation/logistics
- Other (record response)
- Don't know
- Refused

[IF NOT QB21A=3 SKIP +1]

QB21B3 Why didn't you get the mental health care you needed?

- Cost
- No insurance coverage
- Plan wouldn't cover services needed
- Couldn't find provider that took your insurance
- Problems getting appointment
- Transportation/logistics
- Other (record response)
- Don't know
- Refused

[IF NOT QB21A=4 SKIP +1]

QB21B4 Why didn't you get the prescription medication you needed?

- Cost
- No insurance coverage
- Plan wouldn't cover services needed
- Couldn't find provider that took your insurance
- Problems getting appointment
- Transportation/logistics
- Other (record response)
- Don't know
- Refused

[IF NOT QB21A=5 SKIP +1]

QB21B5 Why didn't you get the <QB21A:O> you needed?

- Cost
- No insurance coverage
- Plan wouldn't cover services needed
- Couldn't find provider that took your insurance
- Problems getting appointment
- Transportation/logistics
- Other (record response)
- Don't know
- Refused

QB22 [Since your Healthy Michigan Plan insurance ended/in the past 12 months], was there any time when you didn't get the dental care you needed?

- Yes [Ask QB22A]
- No [Skip to QB23]
- Don't know [Skip to QB23]
- Refused [Skip to QB23]

[If QB22=YES]

QB22A Why didn't you get the care you needed? [open-ended; mark all mentioned]

- Dental plan wouldn't cover treatment/service
- Couldn't find provider that took your dental insurance
- Problems getting appointment
- Transportation/logistics
- Afraid of going to dentist
- Doesn't realize HMP covers dental at all
- Other (record response)
- Don't know
- Refused

QB23 In the last 12 months, about how much did you spend out-of-pocket for your own medical and dental care?

- [Record dollar amount] [Skip to QB24]
- Don't know [Ask QB23A]
- Refused [Skip to QB24]

[If QB23=DON'T KNOW]

QB23A I'll read some categories, and you stop me when I get to the amount you think is about right. Less than \$50/from \$51-100/\$101-500/\$501 to \$2,000/\$2,001 to \$3,000/\$3,001 to \$5,000/more than \$5,000?

- Less than \$50
- From \$51-\$100
- \$101-\$500
- \$501-\$2,000
- \$2,001-\$3,000
- \$3,001-\$5,000
- More than \$5,000
- Don't know
- Refused

INTERVIEWER NOTE: (1) Your best estimate is fine. (2) Include anything paid for prescription drugs, co-payments, insurance premiums and deductibles. Do not include anything paid by your health insurance.

QB24 Overall, how does the amount you currently pay for your health care in a typical month compare to what you were paying with your Healthy Michigan Plan insurance?

- About the same
- Less
- A little more
- A lot more
- Don't know
- Refused

QB25 [Since your Healthy Michigan Plan insurance ended/in the past 12 months], have you had problems paying medical bills?

- Yes [Ask QB25A]
- No [Skip to QB26A]
- Don't know [Skip to QB26A]
- Refused [Skip to QB26A]

[IF QB25=YES]

QB25A Since your Healthy Michigan insurance ended, have your problems paying medical bills: Gotten worse/Stayed the same/Gotten better?

- Gotten worse
- Stayed the same
- Gotten better
- Don't know
- Refused

These next few questions ask for your opinions about the Healthy Michigan Plan.

[If CK_DISNROL2=1 OR CK_DISNROL2=2 Skip to QB27]

QB26. Tell me if you: Strongly agree/Agree/Are neutral/Disagree/Strongly disagree

QB26A The amount I paid for the Healthy Michigan Plan seemed fair.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

QB26B The amount I paid for the Healthy Michigan Plan was affordable.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

QB26C I worry more about something bad happening to my health since my Healthy Michigan Plan insurance ended.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

QB27. For these next questions, tell me if you: Strongly agree/Agree/Are neutral/Disagree/Strongly disagree

[If currently insured]

[If NOT QB2=1 SKIP TO QB27C]

QB27A The amount I pay now for my health insurance seems fair.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

[If currently insured]

[If NOT QB2=1 SKIP TO QB27C]

QB27B The amount I pay now for my health insurance is affordable.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

QB27C There should be a limit on how long someone can be covered by Medicaid.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

QB27D It is very important to me personally to have health insurance.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

QB27E Getting discounts on copays and premiums as a reward for working on improving your health is a good idea.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

QB27F Everyone should have to pay something for their health care.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

QB27G If I have a medical problem, my preference is to go straight to a doctor and ask his or her opinion.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know
- Refused

For these next questions, you can just answer yes or no.

QB28 In the past 12 months, did you check how much you would pay for a doctor's visit, medication, or other health care service before you received care? Yes/No/Don't know

- Yes [Ask QB28A]
- No [Skip to QB29]
- Don't know [Skip to QB29]
- Refused [Skip to QB29]

If QB28=YES: **QB28A:** What type of health care was this for? (open ended; check all that apply)

- Doctor's visit
- Medication
- Lab test / imaging test

- Surgery or procedure
- Other (record response)
- Don't know
- Refused

QB29. In the past 12 months, did you compare quality ratings for any health care services at different places?

- Yes [Ask QB29A]
- No [Skip to QB30]
- Don't know [Skip to QB30]
- Refused [Skip to QB30]

If QB29=YES: **QB29A:** What type of health care was this for? (open ended; check all that apply)

- Doctor's visit
- Medication
- Lab test / imaging test
- Surgery or procedure
- Other (record response)
- Don't know
- Refused

QB30. In the past 12 months, did you talk with a health care provider about how much any health care services would cost you personally?

- Yes [Ask QB30A]
- No [Skip to QB31]
- Don't know [Skip to QB31]
- Refused [Skip to QB31]

If QB30=YES: **QB30A:** What type of health care was this for? (open ended; check all that apply)

- Doctor's visit
- Medication
- Lab test / imaging test
- Surgery or procedure
- Other (record response)
- Don't know
- Refused

QB31. In the past 12 months, did you ask a health care provider to recommend a less costly prescription drug?

- Yes
- No
- Don't know
- Refused

Next we have just a few questions about you.

QB32. Are you currently in school?

- Yes [Ask QB32A]
- No [Skip to QB33]
- Don't know [Skip to QB33]
- Refused [Skip to QB33]

If YES: **QB32A**. Are you a full-time or part-time student?

- Full-time
- Part-time
- Don't know
- Refused

QB33. Are you currently employed or self employed?

- Yes [Ask QB34-QB42]
- No [Skip to QB43]
- Don't know [Skip to QB43]
- Refused [Skip to QB43]

[If QB33=YES, ask QB34-QB42]

[If QB33=NO, skip to QB43]

QB34. How many employers do you currently work for?

- [Record response; Integer 1-10]
- Don't know
- Refused

QB35. Including overtime, about how many hours per week do you usually work on all paid jobs?

Numeric; 1 decimal place; Range 0.0-168.0

- [Record response; Range: 0.0-168.0]
- Don't know
- Refused

QB36. In the past 12 months...about how many days did you miss work because of illness or injury (do not include maternity leave)?

- [Record response 0-366]
- Don't know
- Refused

QB37. In the past 12 months, how would you describe the number of hours you work? Would you say: [read choices/select one]

- It is pretty consistent throughout the year
- It changes by season
- It changes from week to week
- Don't know
- Refused

QB38. Would you work more hours if your employer would let you?

- Yes [Skip to QB39]
- No [Ask QB38A]
- Don't know [Skip to QB39]
- Refused [Skip to QB39]

[if no] **QB38A**. If not, why not? (open-ended, probe using "are there other reasons?")

- Caregiving responsibilities [if yes, ask QB38A1]
- Poor health or disability
- Lack necessary school, training, skills or experience for available hours

- Employers think I'm too old or too young
- Prior conviction
- Other types of discrimination
- In school or other training
- Transportation problems
- Already work full time
- Other (record response)
- Don't know
- Refused

QB38A1. You mentioned caregiving responsibilities. Were those caregiving responsibilities...

- For your child/children
- For another family member
- Other (record response)
- Don't know
- Refused

QB39. Have you changed jobs in the last 12 months?

- Yes
- No
- Don't know
- Refused

QB40. In the past year, about how many weeks, in total, were you out of work?

- [Record response. Range: 0-52]
- Other (record response)
- Don't know
- Refused

QB41. In the past 30 days, how many days have you experienced problems related to transportation that caused you to be late or miss days at work or school? *Integer*

- [Record response. Range 0-30]
- Don't know
- Refused

QB42. Are you currently looking for a job other than what you have now? Yes/No/Don't know/Refused

- Yes [Skip to QB50]
- No [Skip to QB50]
- Don't know [Skip to QB50]
- Refused [Skip to QB50]

THEN SKIP TO QB50

[If not employed and not a fulltime student]

[If QB32A=1 Skip to QB46]

QB43 Would you say you are: retired, unable to work, or out of work?

- Retired [Ask QB44]
- Unable to work [Skip to QB45]

- Out of work [Skip to QB46]
- Don't know [Skip to QB47]
- Refused [Skip to QB47]

[If retired]

[SKIP IF NOT QB43=1]

QB44 How long have you been retired?

- Less than one year
- One year or more
- Don't know
- Refused

[If retired]

[SKIP IF NOT QB43=1]

QB44A What are the reasons you retired? (open-ended, probe for multiple reasons)

- Caregiving responsibilities
 - o [if yes ask QB44A1]
- Poor health or disability
- Work did not pay enough to meet work-related expenses (e.g., transportation)
- Employer offered early retirement
- Laid off and could not find new job
- Transportation problems
- Other (record response)
- Don't know
- Refused

[If QB44A=01]

QB44A1 You mentioned caregiving responsibilities. Were those caregiving responsibilities...

- For your child/children
- For another family member
- Other (record response)
- Don't know
- Refused

[If unable to work]

[SKIP IF NOT QB43=2]

QB45 How long have you been unable to work?

- Less than one year
- One year or more
- Don't know
- Refused

[If unable to work]

[SKIP IF NOT QB43=2]

QB45A What are the reasons you are unable to work? (open-ended, probe for multiple reasons)

- Caregiving responsibilities
 - o [if yes ask QB45A1]
- Poor health or disability
- Couldn't find a job that pays enough to meet work-related expenses
- No work available nearby

- Couldn't find work
- Lack necessary school, training, skills or experience for available jobs
- Employers think I'm too old or too young
- Prior conviction
- Other types of discrimination
- In school or other training
- Transportation problems
- Other (record response)
- Don't know
- Refused

[If QB45A=01]

QB45A1 You mentioned caregiving responsibilities. Were those caregiving responsibilities...

- For your child/children
- For another family member
- Other (record response)
- Don't know
- Refused

[If out of work]

[SKIP IF NOT QB43=3]

QB46 In the past 12 months, about how many weeks, in total, were you out of work?

- [Record response; Range: 0-52]
- Don't know
- Refused

[If out of work]

[SKIP IF NOT QB43=3]

QB46A What are the reasons you are out of work? (open-ended, probe for multiple reasons)

- Caregiving responsibilities
 - o [if yes ask QB46A1]
- Poor health or disability
- Couldn't find a job that pays enough to meet work-related expenses
- No work available nearby
- Couldn't find work
- Lack necessary school, training, skills or experience for available jobs
- Employers think I'm too old or too young
- Prior conviction
- Other types of discrimination
- In school or other training
- Transportation problems
- Other (record response)
- Don't know
- Refused

[If QB46A=01]

QB46A1 You mentioned caregiving responsibilities. Were those caregiving responsibilities...

- For your child/children
- For another family member
- Other (record response)

- Don't know
- Refused

QB47. Are you currently looking for a job other than what you have now?

- Yes
- No
- Don't know
- Refused

QB48. In the last 2 years, have you completed or are you currently enrolled in training, programs, or courses to increase your chances of getting or keeping a job?

- Yes
- No
- Don't know
- Refused

[For out of work/unable to work/retired]

QB49. In the past 30 days, how many days have you experienced problems related to transportation that would affect your ability to get or keep a job? *Integer*

- [Record response. Range:0-30]
- Don't know
- Refused

ALL RESPONDENTS PICK BACK UP HERE

QB50. In the past 12 months, did you spend time caring for a person who could not care for themselves?

- Yes [Ask QB51]
- No [Skip to QB53]
- Don't know [Skip to QB53]
- Refused [Skip to QB53]

[If QB50=YES] **QB51.** In the past 12 months, did you experience any of the following because you were caring for a person who could not care for themselves?

Q51A Went from working full-time to part-time, or cut back your hours

- Yes
- No
- Don't know
- Refused

Q51B Received a warning about your performance or attendance at work

- Yes
- No
- Don't know
- Refused

Q51C Lost any of your job benefits

- Yes
- No
- Don't know
- Refused

Q51D Took a leave of absence from work

- Yes

- No
- Don't know
- Refused

Q51E Gave up working entirely

- Yes
- No
- Don't know
- Refused

QB52. In the past 12 months, about how many days did you miss work because you were caring for a person who could not care for themselves?

- [Record response; Range: 0-366]
- Don't know
- Refused

QB53. For the next questions, think back to when you had Healthy Michigan Plan coverage. For each statement, answer Yes/No/or Not applicable.

QB53A The Healthy Michigan Plan gave me insurance when I couldn't get insurance at my job.

- Yes
- No
- Not applicable
- Don't know
- Refused

QB53B Having the Healthy Michigan Plan helped me stay insured between jobs or between school and a job.

- Yes
- No
- Not applicable
- Don't know
- Refused

QB53C Getting health insurance through the Healthy Michigan Plan helped me do a better job at work.

- Yes
- No
- Not applicable
- Don't know
- Refused

QB53D Having health insurance through the Healthy Michigan Plan helped me get a better job.

- Yes
- No
- Not applicable
- Don't know
- Refused

QB53E Having health insurance through the Healthy Michigan Plan has made me better able to look for a job.

- Yes
- No
- Not applicable
- Don't know
- Refused

QB54. Are you: Married/Divorced/Widowed/Separated/Partnered/Never married?

- Married
- Divorced
- Widowed
- Separated
- Partnered
- Never Married
- Don't know
- Refused

QB54A. In the past 3 years, how many places have you lived for one week or longer – including where you live now?

Would you say: 1 / 2 / 3 / 4 or more?

- 1
- 2
- 3
- 4 or more
- Don't know
- Refused

QB54B. Have you been homeless at any time in the last 12 months?

- Yes
- No
- Don't know
- Refused

QB55 Are you currently a Michigan resident?

- Yes
- No
- Refused

QB56. Would you like to add anything else about your experiences with the Healthy Michigan Plan?

- Yes (record response)
- No

End of Survey/Contact Information:

ADDRESS2 That's the end of the survey. Can you please confirm your address so we can send your gift card?

[AUTOFILL address] You should receive the gift card in 1-3 weeks at that address.

FOLLOWUPSURV We may be conducting a follow-up survey. Would you be willing to have us recontact you for that?

We're just asking for contact information – you can decide at that time if you'd like to participate. Yes/No

FOLLOWUPPHONE If YES: What is the best phone number to reach you? [Record new #]

FOLLOWUPTEXT Can this number get text messages? Yes/No

FOLLOWUPEMAIL Is there an email address we can use to contact you? Yes/No [record If given]

INT99 Thanks so much for talking with me today! Look for your gift card in 1-3 weeks.