

2017 Healthy Michigan Voices New Enrollee Survey Report

December 30, 2018

University of Michigan
Institute for Healthcare Policy & Innovation

Report Authors: Susan Dorr Goold, Jeffrey Kullgren, Erin Beathard, Matthias Kirch, Corey Bryant

Healthy Michigan Voices Evaluation Team: John Ayanian, Erin Beathard, Corey Bryant, Tammy Chang, Sarah Clark, Lisa Cohn, Susan Dorr Goold, Adrienne Haggins, Edith Kieffer, Matthias Kirch, Jeffrey Kullgren, Sunghee Lee, Maryn Lewallen, Brian Madden, Rory Menzer, Minal Patel, Zachary Rowe, Jennifer Skillicorn, Erica Solway, Renuka Tipirneni, Thomas Voorheis



INSTITUTE FOR
HEALTHCARE POLICY & INNOVATION
UNIVERSITY OF MICHIGAN

Table of Contents

Executive Summary	3
Methods	3
Results.....	4
Conclusions	7
Recommendations	7
Introduction	9
Methods.....	9
Survey design.....	9
Survey administration.....	10
Survey population and inclusion criteria.....	10
Sampling plan	11
Survey response characteristics	12
Weighting adjustment	14
Analyses	16
Results	17
New enrollee characteristics	17
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.	18
Aim 2: To describe perceptions and understanding of Medicaid coverage, HMP policies, and cost-sharing and how these change over time with enrollment.....	19
Aim 3: To understand financial and non-financial barriers and facilitators to care and how those change over time of enrollment and disenrollment.	20
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.	23
Aim 5: To understand HMP enrollees’ decisions about when, where and how to seek care, including decisions about emergency department utilization.	24
Aim 6: To understand why enrollees lose or drop HMP coverage and what, if any, source of health insurance coverage they subsequently obtain.	24
Aim 7: To describe the experiences and perceptions of HMP enrollees who may have been eligible for HMP for some time before enrolling.....	24
Limitations	27
Lessons Learned	28
Conclusions.....	28
Recommendations	29
Appendix A: New Enrollee Survey Findings: Descriptive Tables.....	A1
Appendix B: New Enrollee Survey Findings: Additional Analyses.....	B1
Appendix C: 2017 Healthy Michigan Voices New Enrollee Survey Instrument	C1

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*. This report presents findings from the 2017 *Healthy Michigan Voices* New Enrollee Survey. From June to December 2017, 607 individuals who had recently enrolled in HMP completed the survey. This report complements the in-depth qualitative interviews conducted in 2017 with individuals who were likely eligible for, but not enrolled in, HMP by examining the characteristics and early experiences of individuals who had recently enrolled in HMP.

Methods

Sampling for the *Healthy Michigan Voices* New Enrollee Survey was performed in June 2017 (750 enrollees sampled) and September 2017 (1,000 enrollees sampled). Sampling was performed in two separate months to minimize bias from seasonal enrollment and employment.

At the time of sample selection, enrollees had to meet each of the following inclusion criteria:

- Initial HMP enrollment in fee for service (FFS) or managed care (MC) 5 months prior to sampling month
- HMP-MC enrollment for at least 2 months at the time of sampling
- No other Medicaid enrollment for 2 years prior to sampling
- Age between 19 years and 63 years
- Complete address, phone number, and federal poverty level (FPL) fields in the Data Warehouse
- Michigan address
- Preferred language of English, Arabic, or Spanish

The sampling plan utilized the same combination of four grouped prosperity regions in the state (Upper Peninsula/North West/North East; West/East Central/East; South Central/South West/South East; Detroit) and three FPL categories (0-35%; 36-99%; ≥100%) as was used in the 2016 *Healthy Michigan Voices* Enrollee Survey. In total, 607 new enrollees had complete survey data. The weighted response rate for the *Healthy Michigan Voices* new enrollee survey was 41.0%.

Many items on the survey were drawn from established surveys. Items and scales for which established measures were not available, or which were specific to HMP (e.g., items about Health Risk Assessments, understanding of HMP), were previously developed based on findings from 67 semi-structured interviews with HMP enrollees, cognitively tested, and used in the 2016 *Healthy Michigan Voices* Enrollee Survey. Responses were recorded using computer-assisted telephone interviewing software, programmed with the survey questions.

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.

Results

New enrollee characteristics

- 70.2% had incomes between 0-35% FPL.
- 62.6% were men.
- 55.1% were employed; 52.7% of these were employed full-time.
- 87.3% had at least a high school diploma or equivalent.
- 21.8% had housing insecurity (three or more places lived in the past 3 years) and 13.4% had been homeless in the past 12 months.

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.

Current health status and chronic health conditions

- 30.7% reported fair or poor health.
- 66.8% reported having at least one chronic condition; 41.2% reported having two or more.

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

Knowledge and understanding of HMP cost-sharing requirements and healthy behavior rewards

- 16.9% said they did not receive any information about how much they would need to pay for HMP.
- 30.0% thought they could be disenrolled from HMP for failing to pay their bill and 52.3% were unsure.
- When asked about ways they could reduce the amount they have to pay, most new enrollees (96.4%) did not mention any. When asked specifically about whether they could get a reduction in the amount they have to pay if they complete a health risk assessment, 33.1% said yes, while 56.2% said they did not know.
- 86.0% strongly agreed or agreed that getting discounts on copays and premiums as a reward for working on improving your health is a good idea.
- 68.0% were aware that some kinds of visits, tests, and medicines have no copays.

Knowledge and understanding of HMP covered benefits

- The majority of new enrollees knew that HMP covers prescription medications (85.9%), dental care (63.8%), and counseling for mental or emotional problems (53.6%). Nearly half knew that HMP covers birth control or family planning (48.9%) and eyeglasses (48.5%). Less than half knew that HMP covers substance use treatment (42.4%) and treatment to stop smoking (34.7%).

- New enrollees were less knowledgeable about HMP covered benefits and costs than enrollees surveyed in 2016 who had been enrolled for at least one year.

Challenges using HMP coverage

- About 1 in 6 new enrollees (15.9%) reported that they had questions or difficulties using their HMP coverage.

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

Regular source of care prior to HMP

- In the 12 months before enrolling in HMP, 63.5% reported having a place they would usually go for health care. Of those, 57.3% said that place was a doctor's office, 13.1% a clinic, 18.0% an urgent care, and 9.3% reported the emergency room.
- New enrollees were less likely to have a regular source of care prior to HMP enrollment compared to enrollees surveyed in 2016 who had been enrolled for at least one year.

Forgone health care prior to HMP

- In the 12 months before enrollment, 20.4% reported not getting health care they needed; 63.4% attributed this to lack of insurance coverage and 24.5% attributed this to cost.

Forgone dental care prior to HMP

- In the 12 months before enrollment, 34.7% reported not getting dental care they needed; 64.8% attributed this to lack of insurance coverage and 29.8% attributed this to cost.
- New enrollees with chronic conditions were more likely than those without to have forgone dental care prior to HMP enrollment (38.9% vs. 26.3%).

Financial consequences of health care prior to HMP

- Nearly half (44.8%) said they had problems paying medical bills in the 12 months before enrollment. Of those, 72.4% reported being contacted by a collections agency.
- New enrollees with chronic conditions were more likely than those without to report problems paying medical bills prior to HMP enrollment (51.0% vs. 32.3%).

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 risk assessment

- New enrollees were asked how they completed the first section of the HRA and most commonly reported that they filled it out themselves (39.6%).
- Of those who reported completing the first section of the HRA, 48.7% said they discussed the HRA with their doctor or someone at their primary care provider's office.
- Among new enrollees who discussed the HRA with their doctor or someone at their primary care provider's office, 63.9% reported that it taught them something about their

health, 87.1% reported that it helped their PCP better understand their health needs, and 87.9% reported that it motivated them to be more responsible for their health.

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

Not applicable to the new enrollee survey.

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

Not applicable to the new enrollee survey.

Aim 7: To describe the experiences and perceptions of HMP enrollees who may have been eligible for HMP for some time before enrolling.

Insurance status prior to HMP

- 47.9% were uninsured for all 12 months prior to HMP enrollment, 24.2% were uninsured for some of the 12 months, and 27.9% were insured for all 12 months prior to HMP enrollment. There were no statistically significant relationships between new enrollees' insurance status in the 12 months prior to HMP enrollment and their FPL or employment status.
- The most commonly reported reasons why new enrollees were without insurance for some or all of the 12 months prior to enrollment included: not having a job (30.2%), it was too expensive (non-specific) (24.3%), their job does not offer insurance (13.2%), and other reasons (14.3%) that commonly included personal life changes such as moving across states, aging off of parent's policy, divorce, imprisonment, etc.

Reasons for not applying to HMP

- Among new enrollees who reported being without insurance for two months or more in the 12 months prior to enrollment, 32.3% said there was a time when they knew about HMP but did not apply.
- The most commonly reported reasons for not applying included: thinking they were not eligible (33.7%), they did not get around to it (33.2%), and because they were healthy or did not need care (16.3%). Fewer new enrollees said the process was too burdensome (7.4%), they did not need health insurance (4.6%), did not want to be on a government program (3.5%), or provided some other reason or said they did not know why (8.4%).
- Very few new enrollees (1.0%) said the reason they did not apply was because they did not like a certain feature of HMP.

Applying for HMP

- New enrollees reported applying for HMP because they lost their other health insurance (29.6%); had a medical condition that needed care (19.2%); it was suggested and/or they were signed up at the ER, hospital, or another place (15.2%); they needed some form of health insurance (15.0%); or for some other reason (21.5%).

- Few new enrollees (4.9%) reported that they had problems with the HMP application and enrollment process.
- Almost half (45.2%) said they tried to keep their existing doctor or clinic when they chose their health plan and primary care provider. Of those, 82.0% said they were able to keep their doctor or clinic.

Conclusions

Prior to enrolling in HMP, many new enrollees lacked health insurance coverage and experienced difficulties paying for and getting the care they needed. Nearly three in four had a period without health insurance in the 12 months prior to HMP enrollment, most often because they did not have a job, they had a job that did not offer health insurance, health insurance was too expensive, or because of personal life changes. Nearly half reported having problems paying medical bills before HMP and most of those had been contacted by a collections agency. One in five new enrollees reported not getting the health care they needed in the 12 months before enrolling in HMP, usually because of cost. New enrollees with chronic conditions were more likely than those without to report problems paying medical bills and to have forgone dental care prior to HMP enrollment.

Additionally, only one in three new enrollees felt their health was excellent or very good, and two in three reported having a chronic condition. Many had housing instability, including homelessness, and/or challenges related to health literacy. Most new enrollees who reported being unable to work said it was due to poor health or disability. New enrollees over 50 were less likely than younger enrollees to be employed.

Just one in three new enrollees who lacked insurance before enrollment reported there being a time when they knew about HMP but did not apply, indicating that an important obstacle for those who may be eligible but not enrolled is a lack of awareness of HMP. Since a third of those who were aware of HMP thought they would not be eligible for the program, a misunderstanding of the eligibility requirements for HMP is another common barrier to enrollment.

New enrollees' stated reasons for enrolling in HMP varied. The most common reasons were losing other health insurance, having a medical condition that needed care, and enrollment being suggested or facilitated by an ER, hospital, or another place. New enrollees reported few, if any, challenges during the application and enrollment process. More than four in five of those who tried to keep their existing doctor or clinic were able to do so.

Recommendations

As noted in this report, lack of awareness of HMP and understanding of eligibility requirements were barriers to enrollment. Continued outreach and education to those who may be newly eligible for HMP could result in individuals experiencing fewer gaps in health insurance coverage. Gaps in health insurance coverage, as we saw in this survey and previous surveys, can lead to forgone care and financial problems. Outreach and education efforts should take

into account the complex health and social needs (e.g. housing instability and limited health literacy) reported by many new enrollees.

Over half of new enrollees were employed, and about half of those were employed full-time. Over a third of those who were not employed said they were unable to work, often due to poor health or disability. Sufficient time should be provided to address health needs that present barriers to employment and supportive resources should be made available to those who are required to meet the workforce engagement requirements. Sufficient time should be allowed and processes should be clearly communicated to enrollees who may apply for an exemption.

New enrollees reported few, if any, challenges with the application and enrollment process. Support to individuals provided during the process of enrolling in HMP seems to contribute to a smooth enrollment experience and should be continued.

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*. This report presents findings from the 2017 *Healthy Michigan Voices* New Enrollee Survey. From June to December 2017, 607 individuals who had recently enrolled in HMP completed the survey. This report complements the in-depth qualitative interviews conducted in 2017 with individuals who were likely eligible for, but not enrolled in, HMP by examining the characteristics and early experiences of individuals who had recently enrolled in HMP.

Methods

Survey design

The 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),¹ the Health Tracking Household Survey (HTHS),² the National Health Interview Survey (NHIS),³ the Behavioral Risk Factor Surveillance System (BRFSS⁴ and MiBRFSS⁵), the Short Form Health Survey (SF-12),⁶ the Food Attitudes and Behaviors Survey,⁷ the Consumer Assessment of Healthcare Providers and Systems (CAHPS),⁸ the Employee Benefit Research Institute Consumer Engagement in Healthcare Survey (CEHCS),⁹ the Commonwealth Fund Health Care Quality Survey,¹⁰ and the U.S. Census. Items and scales for which established measures were not available, or which were specific to HMP (e.g., items about Health Risk Assessments, understanding of HMP), were previously developed based on findings from 67 semi-structured interviews with HMP enrollees from five target geographic regions across the state of Michigan (Detroit, Kent County, Midland/Bay/Saginaw Counties, Alcona/Alpena/Oscoda Counties, and Marquette/Baraga/Iron Counties) conducted by the evaluation team April to August 2015. New items underwent cognitive testing, and pre-testing for timing and clarity and many were used successfully in the 2016 *Healthy Michigan Voices* Enrollee Survey.¹¹

¹ [NHANES \(National Health and Nutrition Exam Survey, CDC\)](#)

² [HTHS \(Health Tracking Household Survey\)](#)

³ [NHIS \(National Health Interview Survey, CDC\)](#)

⁴ [BRFSS \(Behavioral Risk Factor Surveillance System, CDC\)](#)

⁵ [MiBRFSS \(Michigan Behavioral Risk Factor Surveillance System, MDHHS\)](#)

⁶ [SF-12 \(Short Form Health Survey, RAND\)](#)

⁷ [FAB \(Food Attitudes and Behaviors Survey, NCI\)](#)

⁸ [CAHPS \(Consumer Assessment of Healthcare Providers and Systems\)](#)

⁹ [Consumer Engagement in Health Care Survey \(EBRI: CEHCS\)](#)

¹⁰ [Commonwealth Fund Health Care Quality Survey](#)

¹¹ [Report on the 2016 Healthy Michigan Voices Survey](#)

Survey administration

HMP enrollees selected to participate in the *Healthy Michigan Voices* New Enrollee Survey were mailed an introductory packet that contained a letter explaining the project, 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 all sampled enrollees who did not refuse by one of those methods, *Healthy Michigan Voices* interviewers placed phone calls to sampled enrollees between the hours of 9 am and 9 pm. Surveys were conducted in English, Arabic and Spanish; enrollees who could not speak one of those languages were excluded from participation. Responses were recorded using computer-assisted telephone interviewing software, programmed with the survey questions.

At the outset of the survey, enrollees were informed that their individual responses would be kept confidential; only aggregate data would be reported to the state. They were also informed that completing the survey was voluntary and that they could skip questions if they wished. Those who completed the survey were mailed a \$25 gift card to compensate them for their time spent answering the survey questions. The average duration of time it took to complete the survey was 14.5 minutes; the time to complete the survey ranged from 8 to 40 minutes.

Survey population and inclusion criteria

Sampling for the *Healthy Michigan Voices* New Enrollee Survey was performed in June 2017 (750 enrollees sampled) and September 2017 (1,000 enrollees sampled). Sampling was performed in two separated months to minimize bias from seasonal enrollment and employment. A separate sample was selected in May 2017 (200 sampled enrollees) and used exclusively for pilot testing of the survey instrument and contact methodology; pilot test responses were not included in the final results.

At the time of sample selection, enrollees had to meet each of the following inclusion criteria:

- Initial HMP enrollment in fee for service (FFS) or managed care (MC) 5 months prior to sampling month
- HMP-MC enrollment for at least 2 months at the time of sampling
- No other Medicaid enrollment for 2 years prior to sampling
- Age between 19 years and 63 years
- Complete address, phone number, and federal poverty level (FPL) fields in the Data Warehouse
- Michigan address
- Preferred language of English, Arabic, or Spanish

Eligibility was determined independently for June 2017 and September 2017 samples. Data extraction was performed via a secure Virtual Private Network (VPN) connection by a data analyst with specific approval from MDHHS for this purpose, using existing protocols that require two layers of password protection. The June 2017 and September 2017 samples were drawn to reflect the target sampling plan.

Sampling plan

The sampling plan utilized the same combination of four grouped prosperity regions in the state (Upper Peninsula/North West/North East; West/East Central/East; South Central/South West/South East; Detroit) and three FPL categories (0-35%; 36-99%; ≥100%) as was used in the 2016 *Healthy Michigan Voices* Enrollee Survey. Inclusion criteria for the new enrollee survey were applied to the Medicaid population in May 2017, allocated to these 12 strata. The eligible population for the new enrollee survey was substantially different than the eligible population for the 2016 *Healthy Michigan Voices* Enrollee Survey, specifically the large proportion (67.0%) in the lowest-income strata, with 29.6% of the total eligible population in the Detroit region in the lowest income strata. To achieve a more balanced eligible population, five constraints were placed in the sample design:

- a. Keeping the minimum stratum-level sample size at 50 across all strata
- b. Keeping the maximum stratum-level sample size of the 0-35% FPL income group at 110 for West/East Central/East Region, 100 for South Central/South West/South East Region, and 150 for Detroit Region
- c. Keeping the maximum stratum level sample size at 90 for the strata inapplicable to the constraint b above
- d. Keeping the minimum sample size at 300 per income group
- e. Keeping the maximum sample size at 350 per region

The table below shows the target proportion of each stratum in the sample. Under this design, the expected design effect was 1.344.¹²

	Prosperity Region				
	UP/NW/NE	W/EC/E	SC/SW/SE	DET	Total
Federal Poverty Level					
0-35%	5.0%	10.7%	9.3%	15.0%	40.0%
36-99%	5.0%	9.0%	7.0%	9.0%	30.0%
≥100%	5.0%	9.0%	7.0%	9.0%	30.0%
Total	15.0%	28.7%	23.3%	33.0%	100.0%

Our monthly sample was drawn using the proportions above. A total of 1,750 enrollees on the frame were selected. The 607 respondents with complete survey data closely mirror the sampling plan above.

¹² Design effect indicates the magnitude of the increase in variance due to the sampling method, compared to what you would expect with simple random sampling. The value of the design effect indicates that our design requires a sample size 1.344 times bigger than what it would need to be for the same confidence intervals with simple random sampling.

Characteristics of the 607 new enrollee survey respondents

	Prosperity Region				
	UP/NW/NE	W/EC/E	SC/SW/SE	DET	Total
Federal Poverty Level					
0-35%	28	62	60	89	239
	4.6%	10.2%	9.9%	14.7%	39.4%
36-99%	35	50	42	65	192
	5.7%	8.2%	6.9%	10.7%	31.6%
≥100%	32	51	49	44	176
	5.3%	8.4%	8.1%	7.2%	29.0%
Total N complete	95	163	151	198	607
Total % complete	15.7%	26.9%	24.9%	32.6%	100.00%

Survey response characteristics

A total of 1,750 enrollees on the frame were selected and attempted for an interview. Some numbers did not work, hence, no contact was established; some numbers worked but no contact was ever established, so we were unable to ascertain eligibility; and other numbers worked and contact was established. We summarize the results briefly as follows:

Table 1. Call results to sampled individuals

Description	n	%
Response (I)	607	34.7
Nonresponse	462	26.4
Refusal (R)	168	9.6
Noncontact, Other NR (NC,O)	286	16.3
Partial complete (P)	8	0.5
Ineligible	117	6.7
Unknown eligibility (UN)	458	26.2
Nonworking phone number	106	6.1
Total	1,750	100.0

There are many ways to calculate response rates as outlined by the American Association for Public Opinion Research (AAPOR, 2016¹³). Response rate formula 3 defined below is one of the common formulas used, particularly for telephone surveys.

$$RR3 = \frac{I}{(I + P) + (R + NC + O) + e \times UN}$$

where e is an estimate eligibility rate for the cases for which we cannot ascertain eligibility. One way to estimate e is to use our call results among those we established contact with. Hence,

¹³ The American Association for Public Opinion Research. 2016. Standard Definitions: Final Dispositions of Case Codes and Outcome Rates for Surveys. 9th edition. AAPOR. Access from http://www.aapor.org/AAPOR_Main/media/publications/Standard-Definitions20169theditionfinal.pdf

$$e = \frac{607 + 462}{607 + 462 + 117} = 90.1\%$$

This means that the observed eligibility rate was 90.1% among the cases where we were able to ascertain eligibility. By applying e as estimated above, we obtain the following response rate:

$$RR3 = \frac{607}{(607 + 8) + (168 + 286) + .901 \times 458} = 41.0\%$$

The weighted response rate was calculated to ascertain the response rate that is not subject to the sample design. We used the selection weight (w_1 described shortly) to the RR3 formula and used weights applicable for known eligibility cases (w_3 described shortly) to e , the estimated eligibility rate. The results are as follows:

$$\begin{aligned} \text{weighted } e &= 89.7\% \\ \text{Weighted RR3} &= 41.0\% \end{aligned}$$

Thus, the weighted response rate for the *Healthy Michigan Voices* new enrollee survey was 41.0%.

In order to assess potential nonresponse bias, respondents are compared to those who refused, were not contacted (“NC”), did not complete for other reasons (“O”) or completed partially (“P”) in Table 2 on age, gender, race/ethnicity, income level, and prosperity region from the MDHHS Data Warehouse enrollment data as well as sampling month. Further, in order to compensate for differential selection probabilities, nonworking telephone rates and ineligibility rates, this comparison used estimates weighted by w_4 .

Overall, nonrespondents and respondents were different in the age and sex distribution: new enrollees in the youngest age group (19-34 years old) and male new enrollees were significantly less likely to respond than their counterparts. Race/ethnicity, cohort, sampling stratum, FPL, and region were distributed similarly between respondents and nonrespondents.

Table 2. Comparison of characteristics of new enrollee survey respondents and nonrespondents using frame data

Characteristics	Respondents N=607 (%)	Nonrespondents N=462 (%)	<i>p</i> value
Age			
19-34	35.3%	46.5%	<0.001
35-50	26.7%	28.0%	
51-64	38.1%	25.5%	
Gender			
Male	55.7%	69.7%	<0.001
Female	44.3%	30.3%	

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Race/Ethnicity			
Hispanic	2.8%	4.7%	0.147
Non-Hispanic White	59.0%	52.7%	
Non-Hispanic Black	19.7%	19.0%	
Non-Hispanic Other	18.5%	23.6%	
Sampling Month (Cohort)			
June 2017	50.4%	51.8%	0.714
September 2017	49.6%	48.2%	
Income (% FPL)			
0-35% FPL	70.1%	70.4%	0.965
36-99% FPL	17.3%	16.8%	
100-133% FPL	12.5%	12.7%	
Prosperity Region			
Northern Michigan	9.4%	9.7%	0.272
Central Michigan	27.5%	28.6%	
Southern Michigan	24.5%	18.8%	
Detroit Metro	38.7%	42.9%	

Weighting adjustment

Weights were calculated to adjust for the probability of selection (see Base Selection Weight, below), nonresponse bias (see Nonresponse Adjustment) and other adjustments (Nonworking Number adjustment, Unknown Eligibility adjustment, Known Eligibility adjustment). Note the sample was drawn independently during June 2017 and September 2017 using the same target sampling plan. We treat samples from these two points belonging to separate “cohorts” and develop weight accordingly.

Base Selection Weight

Reflecting the sample design, the first step uses an inverse of sampling probability and calculates selection weights for sample unit i in cohort c in sampling stratum h as follows:

$$w_{1,hci} = \frac{N_{hc}}{n_{hc}}$$

where N_{hc} is the population size and n_{hc} is the sample size. Note that $N_{cohort1} = 3,424$, $N_{cohort2} = 3,287$, $n_{cohort1} = 750$, and $n_{cohort2} = 1,000$.

We make adjustment for nonworking numbers, ineligible cases, unknown eligibility cases and nonresponse (noncontacts and refusal combined) separately as follows.

Nonworking Number Adjustment

We use the following adjustment, $f_{2,hci}$, factor for nonworking numbers considered out of our target population.

$$f_{2,hci} = \begin{cases} 0, & \text{if } i \text{ is not working number} \\ \frac{\sum_i w_{1,hci}}{\sum_i I_{WR_i} \times w_{1,hci}}, & \text{if } i \text{ is a working number} \end{cases}$$

where I_{WR_i} is a 1/0 indicator for working number status (1: working number, 0: nonworking number). The resulting weight is:

$$w_{2,hci} = f_{2,hci} \times w_{1,hci}$$

Unknown Eligibility Adjustment

Besides the nonworking numbers, there were working numbers with whom contact was not established. With these cases, the eligibility could not be ascertained. Moreover, the eligibility rate may have differed systematically across strata and cohort. Thus, a new adjustment factor was applied to the weight from the previous stage:

$$f_{3,hci} = \begin{cases} 0, & \text{if eligibility is unknown for } i \\ \frac{\sum_i w_{2,hci}}{\sum_i I_{UE_i} \times w_{2,hci}}, & \text{if eligibility is known for } i \end{cases}$$

where I_{UE_i} is a 1/0 indicator for unknown eligibility status (1: known eligibility; 0: unknown eligibility). The resulting weight is:

$$w_{3,hci} = f_{3,hci} \times w_{2,hci}$$

Known Eligibility Adjustment

Among those who were contacted, some may not have been eligible for various reasons related to the eligibility criteria described previously. These cases fell outside of the target population and, hence, were removed through the following:

$$f_{4,hci} = \begin{cases} 0, & \text{if } i \text{ is ineligible} \\ \frac{\sum_i w_{3,hci}}{\sum_i I_{EL_i} \times w_{3,hci}}, & \text{if } i \text{ is eligible} \end{cases}$$

where I_{EL_i} is a 1/0 indicator for eligibility status (1: eligible; 0: ineligible). The resulting weight is:

$$w_{4,hci} = f_{4,hci} \times w_{3,hci}$$

Nonresponse Adjustment

Even though respondents and nonrespondents were mostly similar as shown in Table 2, when examining nonresponse separately for each sampling cohort, the September cohort showed more significant differences between respondents and nonrespondents. In addition to the differences by age and gender, stratum and region made a difference in that, in particular, individuals in the lowest income group in Detroit were less likely to respond than the

remainder (results not shown). Hence, we considered the following characteristics separately for each sampling cohort for nonresponse adjustment:

- Sex
- Age (19-34; 35-49; 50-64 years old)
- Race/ethnicity (Hispanic; Non-Hispanic White; Non-Hispanic Black; Non-Hispanic other)
- Stratum (FPL x Region)
- FPL
- Region

The nonresponse adjustment followed Lee and Valliant (2008)¹⁴, where a logistic regression model was used to predict response while controlling for differences in characteristics between respondents and nonrespondents. The predictors included age, sex, race/ethnicity, and sampling strata separately for each sampling cohort.

The adjustment factor, $f_{5,ci}$, is the inverse of response propensity predicted from the logistic regression. The resulting weight is:

$$w_{5,hci} = w_{4,hci} \times f_{5,ci}$$

Post-stratification

The target population of the new enrollee survey were 6,711 ($= N_{cohort1} + N_{cohort2}$, defined previously), whose age, sex, race/ethnicity and sampling stratum are known from the warehouse data. Any potential discrepancies in these characteristics between the target population and the nonresponse adjusted sample are controlled in the post-stratification using iterative proportional fitting method. The resulting weight is $w_{6,hci}$. When using this post-stratified weight, the sample matches the target population perfectly with respect to age, sex, race/ethnicity and sampling stratum which combines FPL and region.

Analyses

We generated descriptive statistics for responses to all questions in the survey, and present the weighted percentage 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 adjustments as described above. As a result, please note that the proportions included in this report reflect how the results we observed would apply to the eligible population of HMP enrollees (based on inclusion and exclusion criteria described on page 10). The number of individuals who responded to each survey question is noted in the tables in Appendix A. When N is less than 607, either some respondents missed that question or the question was part of a skip pattern and was therefore only asked of a subset of respondents based on their previous responses.

We examined bivariate relationships with age, gender, race/ethnicity, FPL group, and region for all single-response closed-ended questions (see Appendix A). Additional analyses were conducted to examine relationships between other selected variables of interest (see Appendix

¹⁴ Lee S, Valliant R. 2008. Weighting telephone samples using propensity scores. *Advances in Telephone Survey Methodology*. 170-183.

B). For all analyses of bivariate and multivariate relationships, the types of analysis, models, variables included and how they are defined or measured are included in Appendices A and B of this report. The specific tests are described in the table footnotes.

Results

This section includes key findings from descriptive and multivariate analyses. Some findings are not reported in text; see Appendix A and B for detailed results from all analyses.

Note: The superscript † indicates that respondents were able to provide multiple responses to the survey question.

New enrollee characteristics

Few new enrollees (12.7%) had incomes 100-133% FPL, while most (70.2%) had incomes between 0-35% FPL. Nearly two in three new enrollees (62.6%) were men. One in twenty new enrollees (5.6%) were veterans. Nearly all new enrollees (87.3%) had at least a high school diploma or equivalent. (Appendix A Table 2.1)

Over half of new enrollees (55.1%) were employed. Most of those not employed had been out of work for less than a year (61.8%). While there were no statistically significant differences in overall employment rates by race/ethnicity, employed new enrollees who were Black were more likely than other groups to be working part-time and employed new enrollees who were Hispanic were more likely to be working full-time. New enrollees over age 50 were less likely than younger enrollees to be employed (37.5%), and more likely, if they were working, to be working part-time. (Appendix A Tables 2.3-2.3.1, 2.4.1)

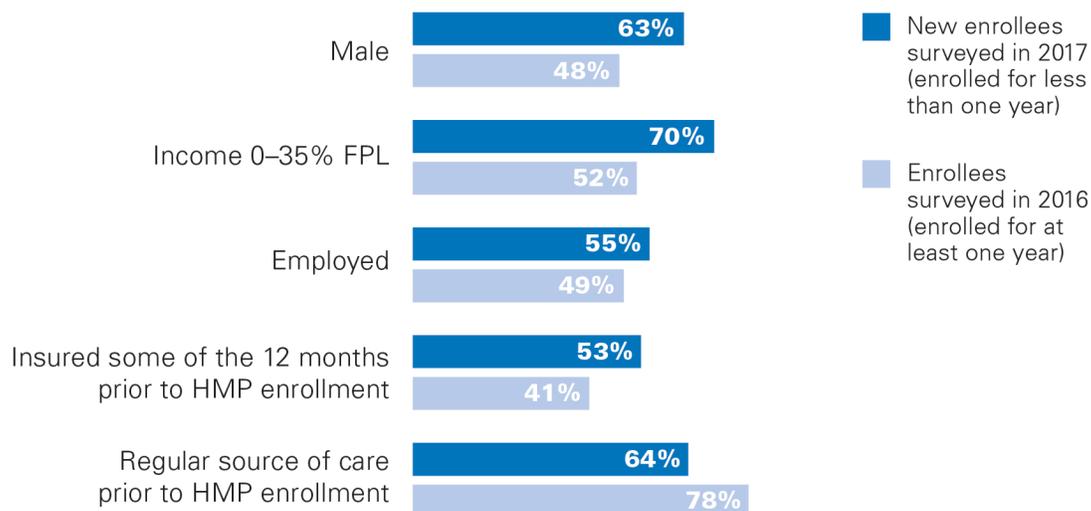
Those who were not employed most often reported being out of work (50.5%) or unable to work (36.7%); fewer reported being retired (6.0%), or not looking for work at this time (6.9%). Women were less likely to report being out of work and more likely to report not looking for work at this time. New enrollees over age 50 were more likely to report being unable to work. Most new enrollees who reported being unable to work said that was due to poor health (70.1%) or disability (19.3%). (Appendix A Tables 2.4, 2.4.1.1)

More than one in five new enrollees (21.8%) had housing insecurity (i.e., they had lived three or more places in the past 3 years) while 13.4% had been homeless in the past 12 months. About one in six new enrollees (16.4%) sometimes, often, or always needed help reading instructions, pamphlets, or other written material from a doctor, pharmacy or health plan. (Appendix A Table 2.1)

Compared to enrollees surveyed in 2016 who had been enrolled for at least one year, new enrollees surveyed in 2017, who had been enrolled for less than one year, were more often male (62.6% vs. 48.4%), between 0-35% FPL (70.2% vs. 51.8%), employed (55.1% vs. 48.8%), veterans (5.6% vs. 3.4%), and insured at some time during the 12 months prior to enrollment (53.1% vs. 40.7%). Compared to enrollees surveyed in 2016 who had been enrolled for at least one year,

fewer new enrollees had a regular source of care prior to HMP enrollment (63.5% vs. 78.3%), were Arab, Chaldean, Middle Eastern ethnicity (3.8% vs. 6.2%), and fewer had another household member with HMP (27.8% vs. 35.7%). (Appendix B Table 1.1)

New enrollees surveyed in 2017 were different than enrollees surveyed in 2016.



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.

Current health status

About one in three new enrollees (35.3%) reported that their health was excellent or very good. The health status of new enrollees surveyed in 2017 was similar to that of enrollees surveyed in 2016 who had been enrolled for at least one year. (Appendix A Table 3.1; Appendix B Table 1.1)

Chronic health conditions

Two in three new enrollees (66.8%) reported having at least one chronic condition; 41.2% reported having two or more. About the same percentage of new enrollees surveyed in 2017 had at least one chronic condition as enrollees surveyed in 2016. The most common chronic conditions[†] reported by new enrollees were mood disorder (30.5%), hypertension (28.5%), and arthritis or a related condition (21.4%). Fewer new enrollees reported that they had asthma (12.6%), diabetes (7.0%), or a heart condition or heart disease (6.0%). (Appendix A Tables 3.2–3.2.2; Appendix B Table 1.1)

There was no statistically significant relationship between the number of self-reported chronic conditions among new enrollees and their insurance status in the 12 months prior to HMP enrollment. (Appendix B Table 2.2)

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

Knowledge and understanding of HMP cost-sharing requirements and healthy behavior rewards

One in six new enrollees (16.9%) said they did not receive any information about how much they would need to pay for HMP. Those who did receive information reported receiving it from the following sources[†]: a letter or enrollment packet from the state or their health plan (55.6%), on the phone at enrollment (7.8%), a caseworker or another person who helped them enroll (7.4%), or some other source (9.0%). (Appendix A Table 4.1)

Nearly one in three new enrollees (30.0%) believed they could be disenrolled from HMP for not paying their bill and more than half (52.3%) were unsure. (Appendix A Table 4.3)

When asked about ways they could reduce the amount they have to pay, most new enrollees (96.4%) did not mention any[†]. When asked specifically about whether they could get a reduction in the amount they have to pay if they complete a health risk assessment, 33.1% said yes, while 56.2% said they did not know. (Appendix A Tables 4.2, 4.4)

The majority of new enrollees (86.0%) 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 4.6)

The majority of new enrollees (68.0%) were aware that some kinds of visits, tests, and medicines have no copays. (Appendix A Table 4.5)

Knowledge and understanding of HMP covered benefits

The majority of new enrollees knew that HMP covers prescription medications (85.9%), dental care (63.8%), and counseling for mental or emotional problems (53.6%). Nearly half knew that HMP covers birth control or family planning (48.9%) and eyeglasses (48.5%). Less than half knew that HMP covers substance use treatment (42.4%) and treatment to stop smoking (34.7%). (Appendix A Tables 4.7-4.13)

There is room for improvement in new enrollees' **understanding of HMP covered benefits.**

HMP covers...	Covered	Don't know	Not covered
treatment to stop smoking	35%	57%	8%
substance use treatment	42%	54%	4%
birth control or family planning	49%	47%	4%
counseling for mental or emotional problems	54%	42%	4%
eyeglasses	49%	41%	10%
routine dental care	64%	29%	7%
prescription medications	86%	13%	1%

New enrollees were less knowledgeable about HMP covered benefits and costs than enrollees surveyed in 2016 who had been enrolled for at least one year, controlling for gender, age, race/ethnicity, and income. In multivariate analyses using 2016 enrollee survey data and 2017 new enrollee survey data that controlled for survey year, race/ethnicity, and FPL, those age 51-64 compared to those age 19-34, those 0-35% FPL compared to those 100-133% FPL, and women compared to men had better knowledge of HMP covered benefits and costs; level of education was not included in the model because it was not measured in 2016. (Appendix B Table 3.2.2)

Challenges using HMP coverage

A minority of new enrollees (15.9%) reported that they had questions or difficulties using their HMP coverage. Among those who had questions or difficulties, the most commonly reported challenges† included: difficulty/inability finding a provider (48.6%), needing a service that was not covered (17.5%), and difficulty finding out information about HMP (13.5%). (Appendix A Tables 4.14-4.14.1)

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

Regular source of care prior to HMP

In the 12 months before enrolling in HMP, 63.5% of new enrollees reported having a place they would usually go for a checkup, when they felt sick, or when they wanted advice about their health. Among new enrollees who reported having a place that they would go for health care in the 12 months before enrolling in HMP, 57.3% reported a doctor's office, 13.1% a clinic, 18.0% an urgent care, and 9.3% reported the emergency room as their regular source of care. New enrollees surveyed in 2017 were less likely to have a regular source of care prior to HMP enrollment compared to enrollees surveyed in 2016 (aOR=0.61), controlling for demographics,

health status, number of chronic conditions, and insurance status in the 12 months prior to HMP enrollment. (Appendix A Tables 5.1-5.1.1; Appendix B Table 4.1.1)

Forgone health care prior to HMP

One in five new enrollees (20.4%) reported not getting the health care they needed in the 12 months before enrolling in HMP. Among new enrollees who reported not getting the health care they needed:

- the most commonly reported types of forgone health care† were primary care (61.1%) and prescription medications (21.4%); specialty care was mentioned by 12.7% and mental health care by 9.7%.
- the most commonly reported reasons for not getting the health care they needed‡, regardless of the type of health care, were not having insurance coverage (63.4%) and cost (24.5%). (Appendix A Tables 5.2-5.2.2)

In bivariate analyses, new enrollees with diabetes, cancer, or asthma were more likely than new enrollees without those conditions to report having forgone health care in the 12 months prior to enrollment. (Appendix B Table 4.2.1)

In bivariate analyses, those who were uninsured for all or some of the 12 months prior to HMP enrollment were more likely to report having forgone health care in the 12 months prior to enrollment than those who were insured for all 12 months (24.7% and 23.4%, respectively, vs. 10.4%). (Appendix B Table 4.2.1)

In multivariate analyses, being insured for all 12 months prior to HMP enrollment (aOR=0.31) or male (aOR=1.82 for women) made forgone care less likely in the 12 months prior to HMP enrollment (Appendix B Table 4.2.5)

Those who had **a period without health insurance prior to HMP** enrollment were more likely to report **forgone health care**.



Forgone dental care prior to HMP

One in three new enrollees (34.7%) reported not getting the dental care they needed in the 12 months before enrolling in HMP. Among new enrollees who reported forgone dental care, the most commonly reported reasons for not getting the dental care they needed† were not having insurance coverage (64.8%) and cost (29.8%). (Appendix A Tables 5.3-5.3.1)

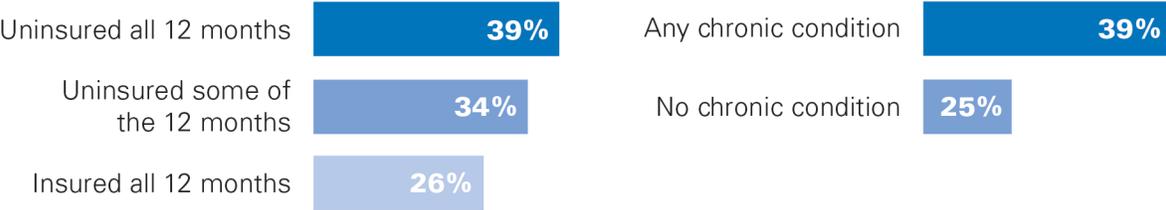
In bivariate analyses, there was no statistically significant relationship between new enrollees' reports of forgone dental care prior to HMP enrollment and their insurance status in the 12 months prior to HMP enrollment. (Appendix B Table 4.2.2)

In bivariate analyses, new enrollees with chronic conditions were more likely than those without chronic conditions to have forgone dental care in the 12 months prior to HMP enrollment (38.9% vs. 26.3%). New enrollees with hypertension, diabetes, and arthritis or a related condition were more likely than new enrollees without those conditions to have forgone dental care prior to HMP enrollment. (Appendix B Table 4.2.2)

In multivariate analyses, those with a chronic condition (aOR=1.96) were more likely to have forgone dental care in the 12 months prior to HMP enrollment, while new enrollees who were insured all 12 months prior to HMP enrollment were less likely than those who were uninsured all 12 months to have forgone dental care during those 12 months (aOR=0.55). (Appendix B Table 4.2.5)

Those who had **a period without health insurance prior to HMP** enrollment were more likely to report **forgone dental care**.

Those with **chronic conditions** were more likely to report **forgone dental care**.



Financial consequences of health care prior to HMP

In the 12 months before enrolling in HMP, nearly one in five new enrollees (18.4%) spent over \$500 out of pocket for their own medical and dental care. Hispanic enrollees and those age 35-50 years were the most likely to spend more than \$500 (33.2% and 23.0%, respectively). New enrollees with chronic conditions were more likely than those without to report more than \$500 in out-of-pocket costs for care prior to HMP enrollment (21.8% vs. 11.6%). New enrollees who were insured all 12 months prior to HMP enrollment were more likely than those who were uninsured for all or some of the 12 months to report out-of-pocket costs over \$500 for care during those 12 months (25.1% vs. 19.4% for uninsured some of the 12 months and 14.0% for uninsured all 12 months). (Appendix A Table 5.4; Appendix B Table 4.3.1)

In the 12 months before enrolling in HMP, 44.8% of new enrollees reported having problems paying medical bills. New enrollees with chronic conditions were more likely than those without to report problems paying medical bills prior to HMP enrollment (51.0% vs. 32.3%). Of those who reported problems paying medical bills, most (72.4%) reported being contacted by a collections agency and 29.4% thought about filing for bankruptcy. New enrollees residing in Metro Detroit (40%) were the most likely and those in the UP/NW/NE (11.8%) were the least likely to report that they thought about filing for bankruptcy if they reported problems paying medical bills. Of those who thought about filing for bankruptcy, 11.5% filed for bankruptcy. (Appendix A Tables 5.5-5.5.2; Appendix B Table 4.3.2)

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 risk assessment

New enrollees were asked how they completed the first section of the HRA and most commonly reported that they filled it out themselves (39.6%). Other responses included: completing it on the phone at the time of enrollment (17.0%) and completing it with a doctor or another person in an office or clinic (16.1%). About one in ten new enrollees (9.8%) could not remember how they completed the first section of the HRA and 17.4% said they had not completed it. (Appendix A Table 6.1)

Among new enrollees who completed the first section of the HRA, 48.7% said they discussed the HRA with their doctor or someone at their primary care provider's office. Among those who discussed the HRA with their doctor or someone at their primary care provider's office, 85.9% chose to work on at least one health behavior. The most common behaviors[†] that new enrollees chose to work on were related to nutrition/diet (35.3%), exercise/activity (29.9%), and reducing/quitting tobacco use (20.3%). New enrollees were asked why they chose the healthy behavior they did and were able to provide multiple reasons.

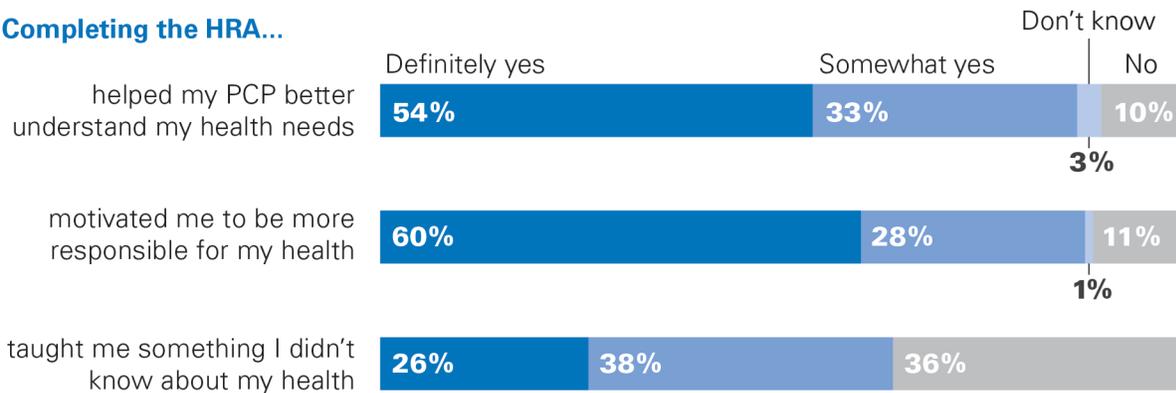
- Among those who chose to work on nutrition/diet, 51.4% said they chose this behavior because it was something that they wanted to do anyway, 31.4% chose it because it would help them improve their condition, and 23.8% chose it because the doctor suggested it.
- Among those who chose to work on exercise/activity, 75.8% said they chose this behavior because it was something that they wanted to do anyway, 15.5% chose it because the doctor suggested it, and 8.5% chose it because it would help them improve their condition.
- Among those who chose to work on reducing/quitting tobacco use, 65.5% said they chose this behavior because it was something that they wanted to do anyway, 38.2% chose it because the doctor suggested it, and 10.0% chose it because it would help them improve their condition. (Appendix A Tables 6.2-6.2.2)

Among new enrollees who discussed the HRA with their doctor or someone at their primary care provider's office:

- 63.9% reported that completing the HRA taught them something they did not know about their health. Men and those who were Black or Hispanic were more likely to say the HRA taught them something about their health.
- 87.1% reported that completing the HRA helped their PCP better understand their health needs.
- 87.9% reported that completing the HRA motivated them to be more responsible for their health. (Appendix A Tables 6.3-6.5)

Many new enrollees who completed the HRA found it **helpful**.

Completing the HRA...



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

Not applicable to the new enrollee survey.

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

Not applicable to the new enrollee survey.

Aim 7: To describe the experiences and perceptions of HMP enrollees who may have been eligible for HMP for some time before enrolling.

Insurance status prior to HMP

Close to half of new enrollees (47.9%) were uninsured for all 12 months prior to HMP enrollment, 24.2% were uninsured for some of the 12 months, and 27.9% were insured for all 12 months prior to HMP enrollment. There were no statistically significant relationships between new enrollees’ insurance status in the 12 months prior to HMP enrollment and their FPL or employment status. (Appendix A Table 9.1; Appendix B Table 8.1.2)

In multivariate analyses, adjusted for gender, age, race/ethnicity, FPL, health status, and number of chronic conditions, new enrollees were more likely than enrollees surveyed in 2016, who had been enrolled for at least one year, to have had health insurance at some time during the 12 months prior to enrollment (aOR=1.78). (Appendix B Table 8.1.1)

Among new enrollees who were uninsured for some or all 12 months prior to HMP enrollment, the most commonly reported reasons why they were without insurance† included: not having a job (30.2%), it was too expensive (non-specific) (24.3%), their job does not offer insurance (13.2%), and other reasons (14.3%) that commonly included personal life changes such as moving across states, aging off of parent’s policy, divorce, imprisonment, etc. (Appendix A Table 9.4)

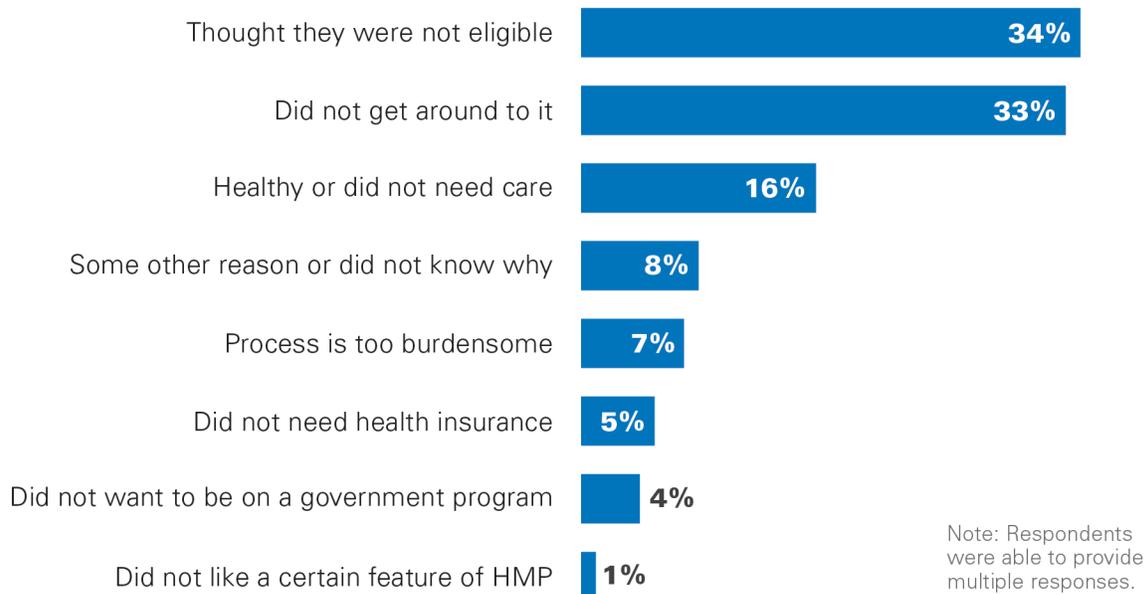
In multivariate analyses controlling for demographics, new enrollees were more likely to be uninsured for all 12 months prior to enrollment if they reported they were without insurance because insurance is too expensive (non-specific), they had problems reapplying for Medicaid, or they did not get around to it. (Appendix B Table 8.1.5)

Reasons for not applying to HMP

Among new enrollees who reported being without insurance for two months or more in the 12 months prior to enrollment, 32.3% said there was a time when they knew about HMP but did not apply. There were no statistically significant relationships between new enrollees' saying there was a time when they knew about HMP but did not apply while they were uninsured and their health literacy, housing insecurity, experience of homelessness, or number of chronic conditions. (Appendix A Table 9.5; Appendix B Table 8.2.1)

The most commonly reported reasons for not applying[†] included: thinking they were not eligible (33.7%), did not get around to it (33.2%), and because they were healthy or did not need care (16.3%). Fewer new enrollees said the process was too burdensome (7.4%), they did not need health insurance (4.6%), did not want to be on a government program (3.5%), or some other reason or they did not know why (8.4%). Very few new enrollees (1.0%) said the reason they did not apply was because they did not like a certain feature of HMP. There were no statistically significant relationships between reasons new enrollees provided for not applying and their health literacy, housing insecurity, experience of homelessness, or number of chronic conditions. (Appendix A Table 9.5.1; Appendix B Tables 8.2.2-8.2.3)

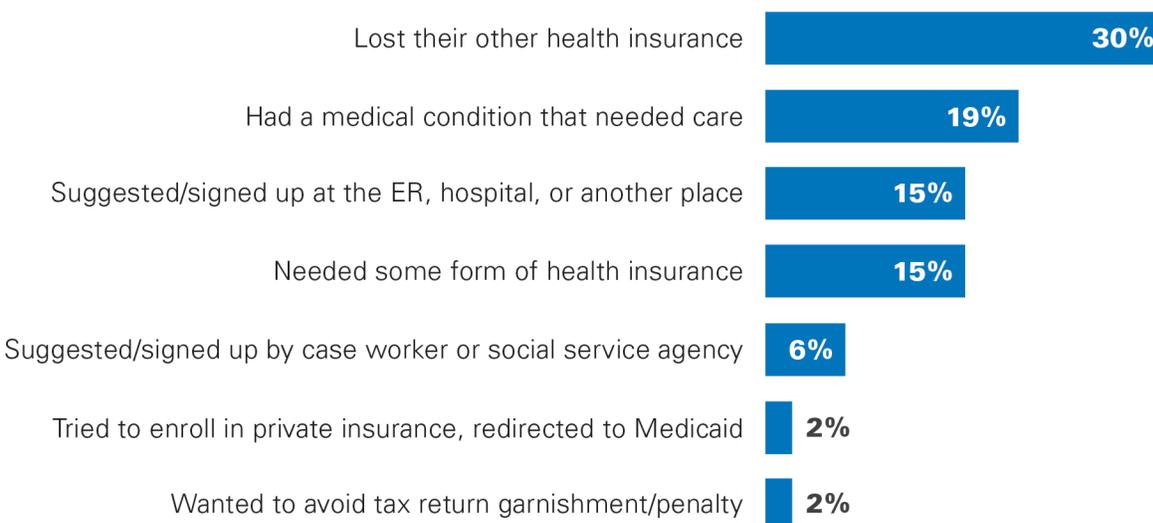
The most commonly reported reasons new enrollees gave for not previously applying for HMP were they **thought they were not eligible** and **did not get around to it**.



Applying for HMP

New enrollees reported applying for HMP because[†] they lost their other health insurance (29.6%); had a medical condition that needed care (19.2%); it was suggested and/or they were signed up at the ER, hospital, or another place (15.2%); they needed some form of health insurance (15.0%); or for other reasons (21.5%). (Appendix A Table 9.6)

New enrollees most commonly reported applying for HMP because they **lost their other health insurance**.



Note: Respondents were able to provide multiple responses. In addition to the responses above, 22% reported other reasons and 1% reported that they didn't know.

New enrollees were less likely to report applying for HMP due to losing other health insurance if they were homeless (16.2% vs. 31.8%), or if they were uninsured all 12 months prior to HMP (2.7% of those uninsured all 12 months vs. 45.5% of those uninsured some of the 12 months, and 62.3% of those insured all 12 months). New enrollees were more likely to report applying for HMP due to losing other health insurance if they had diabetes (44.9% vs. 28.5%) or if they had arthritis or a similar condition (38.6% vs. 27.3%). (Appendix B Table 8.3.1)

New enrollees were more likely to report applying for HMP because they had a medical condition that needed care if they had two or more chronic conditions (26.3% vs. 14.2% for one chronic condition and 14.1% for none) or had one of several chronic conditions: heart disease (37.6% vs. 17.7%), diabetes (38.8% vs. 17.5%), a mood disorder (28.2% vs. 15.1%), or a substance use disorder (52.3% vs. 17.3%). (Appendix B Table 8.3.2)

New enrollees were also more likely to report applying for HMP because they had a medical condition that needed care if they had difficulty with health literacy (34.7% vs. 16.1%) and were uninsured all 12 months prior to HMP (24.2% vs. 18.4% of those insured some of past 12 months, and 11.5% of those insured all of past 12 months). (Appendix B Table 8.3.2)

New enrollees were more likely to report being signed up for HMP or suggested to enroll in HMP by the ER or hospital if they were uninsured all 12 months prior to HMP (22.2% vs. 14.2% of those uninsured some of the 12 months and 3.9% of those insured all 12 months). (Appendix B Table 8.3.3)

New enrollees were more likely to report applying to HMP due to needing some form of health insurance if they were uninsured for some or all 12 months prior to HMP (18.9% of those uninsured all 12 months, 17.2% of those uninsured some of the 12 months, and 5.8% of those insured all 12 months). (Appendix B Table 8.3.5)

We examined reasons for HMP enrollment for two distinct ages due to thresholds for eligibility (19 years of age) or loss of other health insurance (26 years of age). There were no statistically significant differences between new enrollees near these ages (19-21 and 26-28 years) compared to other ages in whether they specify having lost other insurance or needing some form of health insurance as a reason for enrollment. (Appendix B Tables 8.3.8-8.3.9)

Few new enrollees (4.9%) reported that they had problems with the HMP application and enrollment process. Among new enrollees who reported having a problem with the HMP application and enrollment process, the most commonly reported problems[†] included: difficulty completing enrollment materials, administrative problems related to case worker, and eligibility or administrative errors. (Appendix A Tables 9.7- 9.7.1)

About half of new enrollees (45.2%) said they tried to keep their existing doctor or clinic when they chose their health plan and primary care provider; new enrollees age 19-34 and men were less likely to report this. Among new enrollees who tried to keep their existing doctor or clinic, 82.0% said they were able to do so. Those who were Black or Hispanic, those with incomes 100-133% FPL, and those in the Detroit Metro region were less likely to say they were able to keep their doctor or clinic. Among new enrollees who were not able to keep their existing doctor or clinic, 66.2% said it was because their doctor or clinic does not accept Medicaid, and 31.0% said it was for some other reason. (Appendix A Tables 9.8-9.8.1.1)

Limitations

As with any survey, HMP responses may be biased by social desirability. While the survey was available in three languages, it was not available in all languages spoken by enrollees; however, only 2 sampled enrollees were deemed ineligible for this reason. While many measures were based on those used in large national surveys, some questions were newly developed specifically to assess new enrollees' perspectives on key features of HMP, their early experiences with the program, reasons for not applying before, and reasons for enrolling. In addition, this survey was cross-sectional; longitudinal follow-up surveys are underway in 2018.

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 relationships.

Lessons Learned

Several lessons were learned in the process of conducting outreach to new enrollees for participation in this survey:

In the 2016 *Healthy Michigan Voices* Enrollee Survey, many early respondents offered descriptions and anecdotes not captured by fixed-choice or brief response items used with the computer-assisted telephone interviewing system. For subsequent survey waves, including the 2017 new enrollee survey, enrollees were asked if their interview could be recorded and nearly all agreed. These recordings provided additional details about the new enrollee experience in a more open-ended fashion.

For new enrollees who were challenging to reach by phone within 2-3 weeks, we queried the MDHHS data warehouse to look for updated contact information; in some cases this process identified individuals who were no longer enrolled in HMP, a change since sample selection, and thus were no longer eligible for the survey.

Enrollees who completed the survey were mailed a gift card to compensate them for their time answering the survey questions. Initially, the gift card envelope included the standard gift card vendor insert – two dense pages of small print and technical language. After receiving numerous calls to report problems using the gift card, we added a brief “How to Use Your Gift Card” summary with bullet points in simple language. The same message in Spanish or Arabic was added to the summary for enrollees who completed the survey in those languages. This addressed some issues that arose during the initial 2016 enrollee survey where some respondents had questions or issues using the gift card they received for participation in the survey.

Conclusions

Prior to enrolling in HMP, many new enrollees lacked health insurance coverage and experienced difficulties paying for and getting the care they needed. Nearly three in four had a period without health insurance in the 12 months prior to HMP enrollment, most often because they did not have a job, they had a job that did not offer health insurance, health insurance was too expensive, or because of personal life changes. Nearly half reported having problems paying medical bills before HMP and most of those had been contacted by a collections agency. One in five new enrollees reported not getting the health care they needed in the 12 months before enrolling in HMP, usually because of cost. New enrollees with chronic conditions were more likely than those without to report problems paying medical bills and to have forgone dental care prior to HMP enrollment.

Additionally, only one in three new enrollees felt their health was excellent or very good, and two in three reported having a chronic condition. Many had housing instability, including homelessness, and/or challenges related to health literacy. Most new enrollees who reported being unable to work said it was due to poor health or disability. New enrollees over 50 were less likely than younger enrollees to be employed.

Just one in three new enrollees who lacked insurance before enrollment reported there being a time when they knew about HMP but did not apply, indicating that an important obstacle for those who may be eligible but not enrolled is a lack of awareness of HMP. Since a third of those who were aware of HMP thought they would not be eligible for the program, a misunderstanding of the eligibility requirements for HMP is another common barrier to enrollment.

New enrollees' stated reasons for enrolling in HMP varied. The most common reasons were losing other health insurance, having a medical condition that needed care, and enrollment being suggested or facilitated by an ER, hospital, or another place. New enrollees reported few, if any, challenges during the application and enrollment process. More than four in five of those who tried to keep their existing doctor or clinic were able to do so.

Recommendations

As noted in this report, lack of awareness of HMP and understanding of eligibility requirements were barriers to enrollment. Continued outreach and education to those who may be newly eligible for HMP could result in individuals experiencing fewer gaps in health insurance coverage. Gaps in health insurance coverage, as we saw in this survey and previous surveys, can lead to forgone care and financial problems. Outreach and education efforts should take into account the complex health and social needs (e.g. housing instability and limited health literacy) reported by many new enrollees.

Over half of new enrollees were employed, and about half of those were employed full-time. Over a third of those who were not employed said they were unable to work, often due to poor health or disability. Sufficient time should be provided to address health needs that present barriers to employment and supportive resources should be made available to those who are required to meet the workforce engagement requirements. Sufficient time should be allowed and processes should be clearly communicated to enrollees who may apply for an exemption.

New enrollees reported few, if any, challenges with the application and enrollment process. Support to individuals provided during the process of enrolling in HMP seems to contribute to a smooth enrollment experience and should be continued.

**2017 Healthy Michigan Voices New Enrollee Survey
Appendix A**

Contents

1	How to read the tables	A5
1.1	Question asked for the corresponding table will be shown here	A5
2	Demographics Tables	A6
2.1	Main Demographics Table	A6
2.2	Q: What is the highest grade of school you have completed, or the highest degree you have received?	A8
2.3	Q: Are you currently employed or self-employed?	A9
2.3.1	Q: Are you working full-time or part-time?	A10
2.4	Q: Are you out of work, unable to work, retired, or not looking for work at this time?	A11
2.4.1	Q: How long have you been [out of work/unable to work/retired]?	A12
2.4.1.1	Q: Why are you unable to work?	A12
2.5	Q: Are you currently in school?	A13
2.6	Q: Are you a veteran of the US military armed forces?	A14
2.7	Q: Has anyone else in your household been enrolled in the Healthy Michigan Plan?	A15
2.8	Q: In the past 3 years, how many places have you lived for one week or longer - including where you live now?	A16
2.9	Q: Have you been homeless at any time in the last 12 months?	A17
2.10	Q: How often do you need to have someone help you read instructions, pamphlets, or other written material from a doctor, pharmacy or health plan?	A18
3	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.	A19
3.1	Q: In general, would you say your health is:	A19
3.2	Q: Has a doctor or other health professional ever told you that you had any of the following?	A20
3.2.1	Any chronic condition	A21
3.2.2	Count of chronic conditions	A22
3.2.3	Q: Has a doctor or other health professional ever told you that you had a mood disorder (for example, depression, anxiety, bipolar disorder)?	A23
3.2.4	Q: Has a doctor or other health professional ever told you that you had hypertension, also called high blood pressure?	A24
3.2.5	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)?	A25
3.2.6	Q: Has a doctor or other health professional ever told you that you had asthma?	A26
3.2.7	Q: Has a doctor or other health professional ever told you that you had diabetes or sugar diabetes (other than during pregnancy)?	A27
3.2.8	Q: Has a doctor or other health professional ever told you that you had chronic lung disease, such as chronic bronchitis, COPD or emphysema?	A28
3.2.9	Q: Has a doctor or other health professional ever told you that you had a heart condition or heart disease?	A29
3.2.10	Q: Has a doctor or other health professional ever told you that you had a substance use disorder?	A30
3.2.11	Q: Has a doctor or other health professional ever told you that you had cancer, other than skin cancer?	A31
3.2.12	Q: Has a doctor or other health professional ever told you that you had a stroke?	A32
3.2.13	Q: Has a doctor or other health professional ever told you that you had any other ongoing health condition?	A33
3.2.14	Q: What is the condition?	A33
4	Aim 2: To describe perceptions and understanding of Medicaid coverage, HMP policies, and cost-sharing and how these change over time with enrollment.	A34
4.1	Q: How did you receive information about how much you will need to pay to be in the Healthy Michigan Plan?	A34
4.2	Q: Do you know about any ways to reduce the amount you might have to pay?	A34
4.3	Q: I could be dropped from the Healthy Michigan Plan for not paying my bill.	A35
4.4	Q: I may get a reduction in the amount I might have to pay if I complete a health risk assessment.	A36
4.5	Q: Some kinds of visits, tests and medicines have no copays.	A37
4.6	Q: Getting discounts on copays and premiums as a reward for working on improving your health is a good idea.	A38
4.7	Q: Do you think eyeglasses are covered, not covered, or don't know?	A39
4.8	Q: Do you think prescription medications are covered, not covered, or don't know?	A40
4.9	Q: Do you think routine dental care is covered, not covered, or don't know?	A41

4.10	Q: Do you think treatment to stop smoking is covered, not covered, or don't know?	A42
4.11	Q: Do you think birth control or family planning is covered, not covered, or don't know?	A43
4.12	Q: Do you think counseling for mental or emotional problems is covered, not covered, or don't know?	A44
4.13	Q: Do you think substance use treatment is covered, not covered, or don't know?	A45
4.14	Q: Have you had any questions or difficulties using your Healthy Michigan Plan insurance so far?	A46
4.14.1	Q: What kind of questions or difficulties did you have?	A47
5	Aim 3: To understand financial and non-financial barriers and facilitators to care and how those change over time of enrollment and disenrollment.	A48
5.1	Q: In the 12 months before enrolling in the Healthy Michigan Plan, was there a place that you usually would go for a checkup, when you felt sick, or when you wanted advice about your health?	A48
5.1.1	Q: What kind of a place was it?	A49
5.2	Q: In the 12 months before enrolling in the Healthy Michigan Plan, was there any time when you didn't get the health care you needed?	A50
5.2.1	Q: What kind of care was it?	A50
5.2.2	Q: Why didn't you get the care you needed?	A51
5.3	Q: In the 12 months before enrolling in the Healthy Michigan Plan, was there any time when you didn't get the dental care you needed?	A52
5.3.1	Q: Why didn't you get the dental care you needed?	A52
5.4	Q: During the 12 months before you were enrolled in the Healthy Michigan Plan, about how much did you spend out-of-pocket for your own medical and dental care?	A53
5.5	Q: In the 12 months before enrolling in the Healthy Michigan Plan, did you have problems paying medical bills?	A54
5.5.1	Q: Because of these problems paying medical bills, have you or your family been contacted by a collections agency?	A55
5.5.2	Q: Because of these problems paying medical bills, have you or your family thought about filing for bankruptcy?	A56
6	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.	A57
6.1	Q: How did you complete the first section of the HRA, which is answering the questions about your eating, exercise, and smoking behaviors?	A57
6.2	Q: Did you discuss the HRA with your doctor or someone at your primary care provider's office?	A58
6.2.1	Q: What healthy behavior did you choose to work on?	A59
6.2.2	Q: Why did you choose this healthy behavior?	A59
6.3	Q: Did completing the Health Risk Assessment teach you something you didn't know about your health?	A60
6.4	Q: Did completing the Health Risk Assessment help your primary care provider better understand your health needs?	A61
6.5	Q: Did completing the Health Risk Assessment motivate you to be more responsible for your health?	A62
7	Aim 5: To understand HMP enrollees' decisions about when, where and how to seek care, including decisions about emergency department utilization.	A63
8	Aim 6: To understand why enrollees lose or drop HMP coverage and what, if any, source of health insurance coverage they subsequently obtain.	A63
9	Aim 7: To describe the experiences and perceptions of HMP enrollees who may have been eligible for HMP for some time before enrolling.	A64
9.1	Insurance status in the 12 months prior to HMP	A64
9.2	Q: During the 12 months before you enrolled in the Healthy Michigan Plan, did you have any type of health insurance at any time?	A65
9.2.1	Q: What type of health insurance did you have? Was it insurance through a job or union, insurance purchased by you or someone else, or another type of insurance?	A66
9.2.1.1	Q: Whose job is it?	A66
9.2.1.2	Follow up questions on purchased health insurance	A66
9.3	Q: Was there any time in the 12 months before you enrolled in the Healthy Michigan Plan that you didn't have any health insurance?	A67
9.4	Q: What were the main reasons you were without health insurance for that time?	A68
9.5	Q: While you were without health insurance, was there a time when you knew about the Healthy Michigan Plan but did not apply?	A69
9.5.1	Q: Why did you not apply?	A70

9.6	Q: What prompted you to apply for the Healthy Michigan Plan?	A70
9.7	Q: Did you have any problems with the Healthy Michigan Plan application and enrollment process?	A71
9.7.1	Q: What happened?	A71
9.8	Q: When you were choosing your health plan and primary care provider, were you trying to keep your existing doctor or clinic?	A72
9.8.1	Q: Were you able to keep your same doctor or clinic?	A73
9.8.1.1	Q: Why not?	A73

1 How to read the tables

1.1 Question asked for the corresponding table will be shown here

Universe: The ‘universe’ tells you which respondents answered the question.

	Response Option 1		Response Option 2		Variable of Interest Response Option 3		Response Option 4		Total Column Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
FPL category									
0-35% (n=772)	2.3	[1.3, 4.0]	12.0	[9.4, 15.2]	84.4	[80.9, 87.4]	1.2	[0.5, 3.1]	100.0
36-99% (n=641)	2.4	[1.4, 4.0]	8.8	[6.1, 12.4]	88.3	[84.6, 91.2]	0.5	[0.2, 1.3]	100.0
≥ 100% (n = 456)	3.9	[2.1, 6.9]	8.9	[6.4, 12.3]	86.9	[82.9, 90.1]	0.3	[0.0, 2.3]	100.0
Pearson: Uncorrected chi2(6) =	11.0315								
Design-based F(5.68, 10542.54) =	1.4657	Pr =	0.189						
Region									
UP/NW/NE (n=354)	3.8	[2.1, 6.8]	10.8	[7.7, 14.9]	84.6	[79.9, 88.4]	0.8	[0.3, 2.8]	100.0
W/E Central/E (n=564)	1.8	[1.0, 3.4]	9.0	[6.5, 12.3]	88.6	[85.1, 91.3]	0.6	[0.2, 1.9]	100.0
S Central/SW/SE (n=407)	2.9	[1.3, 6.2]	8.3	[5.8, 11.9]	87.6	[83.3, 91.0]	1.1	[0.4, 3.6]	100.0
Detroit Metro (n=544)	2.8	[1.6, 4.7]	12.6	[9.4, 16.6]	83.7	[79.4, 87.3]	0.9	[0.2, 3.6]	100.0
Pearson: Uncorrected chi2(9) =	10.0786								
Design-based F(7.48, 13888.33) =	0.8540	Pr =	0.549						
Total (n=1,869)	2.6	[1.9, 3.7]	10.6	[8.9, 12.6]	85.9	[83.7, 87.9]	0.9	[0.4, 1.8]	100.0

¹ Each table will show a variable of interest and the response options at the top. Where ‘Variable of Interest’ is currently, the variable name or description will replace it and the ‘Response Option’ will be replaced with the response options for that question. The variable of interest is analyzed in a cross-tabulation format against other variables. These variables are on the left side of the table. The name of the variable is in bold on top of the categories that correspond to that variable. Each variable on the left side of the table is separated by horizontal black lines. The statistical analysis information is between two variables; the analysis information corresponds to the variable above it.

² ‘Row%’ is the weighted percentage of respondents that answered that response option in the survey. The ‘95%CI’ is the range of values that one can be 95% confident contains the true value. The ‘Total Column’ shows that the row adds up to 100%. The value in ‘Pr= value’ indicates if there is a significant relationship between the two variables. If ‘value’ is less than 0.05, it can be interpreted that there is a significant relationship between the two variables.

³ The ‘Total’ row is at the bottom of the table. This row displays the weighted proportions for the population as a whole.

⁴ Some questions have greater or fewer response options than the table presented here.

2 Demographics Tables

2.1 Main Demographics Table

Universe: All respondents (n = 607)

	Weighted Proportion	95%CI
FPL category		
0-35% (n=239)	70.2	[69.0, 71.3]
36-99% (n=192)	17.1	[16.3, 18.0]
100%+ (n=176)	12.7	[12.0, 13.5]
Region		
UP/NW/NE (n=95)	9.6	[8.6, 10.7]
W/E Central/E (n=163)	27.9	[26.6, 29.3]
S Central/SW/SE (n=151)	22.0	[20.6, 23.5]
Detroit Metro (n=198)	40.5	[39.1, 41.9]
Age		
19-34 (n=220)	41.4	[36.7, 46.3]
35-50 (n=178)	30.4	[26.1, 35.1]
51-64 (n=209)	28.2	[24.3, 32.4]
Gender		
Male (n=326)	62.6	[58.0, 67.0]
Female (n=281)	37.4	[33.0, 42.0]
Race/ethnicity		
White, non-Hispanic (n=401)	61.7	[57.0, 66.2]
Black, non-Hispanic (n=114)	23.2	[19.5, 27.4]
Hispanic (n=33)	6.5	[4.3, 9.7]
Other, non-Hispanic (n=54)	8.5	[6.2, 11.7]
Race		
White (n=408)	63.2	[58.5, 67.6]
Black (n=114)	23.2	[19.5, 27.4]
Other (n=53)	9.2	[6.7, 12.4]
More than one (n=26)	4.4	[2.7, 7.2]
Hispanic/Latino		
Yes (n=33)	6.5	[4.3, 9.6]
No (n=567)	93.1	[90.0, 95.4]
Don't know (n=2)	0.4	[0.1, 1.7]
Arab/Chaldean/Middle Eastern		
Yes (n=22)	3.8	[2.3, 6.2]
No (n=581)	96.2	[93.8, 97.7]
Urbanicity		
Urban (n=456)	81.4	[78.5, 84.0]
Suburban (n=50)	7.7	[5.6, 10.4]
Rural (n=101)	10.9	[9.3, 12.6]
Highest level of education		
Less than high school (n=66)	12.7	[9.6, 16.4]
High school graduate (n=225)	37.6	[33.0, 42.4]
Some college (n=138)	22.8	[19.0, 27.2]
Associate's degree (n=94)	12.6	[9.9, 15.9]
Bachelor's degree (n=66)	11.1	[8.4, 14.5]
Post graduate degree (n=17)	3.2	[1.9, 5.5]
Employed/self-employed		
Yes (n=364)	55.1	[50.2, 59.9]
No (n=241)	44.9	[40.1, 49.8]
Employment status-detailed		
Full-time employment (n=182)	29.0	[24.7, 33.6]
Part-time employment (n=176)	26.0	[22.0, 30.4]
Out of work (n=101)	22.7	[18.7, 27.4]
Unable to work (n=98)	16.5	[13.3, 20.4]
Retired (n=18)	2.7	[1.6, 4.6]
Not looking for work at this time (n=21)	3.1	[1.9, 5.0]
In school		
Yes (n=53)	8.1	[5.9, 11.1]
No (n=554)	91.9	[88.9, 94.1]

Continued on next page

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Veteran		
Yes (n=32)	5.6	[3.7, 8.4]
No (n=573)	94.4	[91.6, 96.3]
Marital status		
Married (n=147)	17.3	[14.4, 20.7]
Divorced (n=121)	18.3	[15.0, 22.1]
Widowed (n=19)	2.5	[1.4, 4.4]
Separated (n=18)	3.1	[1.7, 5.4]
Partnered (n=23)	3.1	[1.9, 4.9]
Never married (n=274)	55.7	[50.9, 60.4]
Other HMP enrollee in household		
Yes (n=203)	27.8	[23.8, 32.2]
No (n=378)	66.2	[61.6, 70.6]
Don't know (n=25)	6.0	[3.9, 9.0]
Number of places lived in past 3 years		
One (n=293)	45.9	[41.1, 50.8]
Two (n=188)	31.8	[27.4, 36.5]
Three (n=73)	13.0	[10.0, 16.7]
Four or more (n=48)	8.8	[6.3, 12.0]
Don't know (n=4)	0.6	[0.2, 1.6]
Homeless in the last 12 months		
Yes (n=63)	13.4	[10.3, 17.3]
No (n=542)	86.6	[82.7, 89.7]
Need help reading written materials		
Never (n=422)	68.2	[63.4, 72.6]
Rarely (n=86)	15.5	[12.1, 19.5]
Sometimes (n=51)	8.3	[6.1, 11.3]
Often (n=24)	4.0	[2.5, 6.3]
Always (n=23)	4.1	[2.5, 6.5]

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

Universe: All respondents

	Highest level of education							Total Row%
	High school or less		Associate's degree/some college		Bachelor's/post graduate degree			
	Row%	95%CI	Row%	95%CI	Row%	95%CI		
Age								
19-34 (n=220)	52.8	[44.9,60.5]	34.3	[27.5,41.9]	12.9	[8.7,18.9]		100.0
35-50 (n=178)	46.7	[37.9,55.6]	35.8	[27.7,44.8]	17.5	[11.6,25.6]		100.0
51-64 (n=208)	50.3	[42.1,58.5]	36.7	[29.2,44.9]	13.0	[8.3,19.8]		100.0
Pearson: Uncorrected chi2(4) =	2.8384							
Design-based F(3.97, 2359.58) =	0.4988	Pr =	0.735					
Gender								
Male (n=326)	58.3	[51.8,64.4]	28.3	[22.9,34.3]	13.5	[9.7,18.4]		100.0
Female (n=280)	36.7	[30.2,43.8]	47.5	[40.4,54.7]	15.8	[11.1,22.0]		100.0
Pearson: Uncorrected chi2(2) =	28.3857							
Design-based F(2.00, 1187.07) =	10.3610	Pr =	0.000					
Race/ethnicity								
White, non-Hispanic (n=401)	47.5	[41.5,53.5]	34.4	[28.9,40.2]	18.2	[13.9,23.4]		100.0
Black, non-Hispanic (n=113)	50.4	[39.9,61.0]	40.4	[30.6,50.9]	9.2	[4.6,17.6]		100.0
Hispanic (n=33)	62.4	[42.0,79.2]	32.1	[16.3,53.4]	5.5	[2.5,11.7]		100.0
Other, non-Hispanic (n=54)	59.8	[43.5,74.2]	31.4	[18.6,47.9]	8.8	[3.3,21.4]		100.0
Pearson: Uncorrected chi2(6) =	13.6105							
Design-based F(5.36, 3155.83) =	1.7170	Pr =	0.122					
FPL category								
0-35% (n=239)	52.0	[45.4,58.6]	32.8	[27.0,39.3]	15.1	[11.0,20.4]		100.0
36-99% (n=191)	45.6	[38.8,52.7]	41.6	[34.8,48.6]	12.8	[8.9,18.0]		100.0
100%+ (n=176)	46.3	[39.1,53.6]	41.7	[34.6,49.1]	12.1	[8.1,17.5]		100.0
Pearson: Uncorrected chi2(4) =	4.3415							
Design-based F(3.61, 2143.57) =	1.6185	Pr =	0.173					
Region								
UP/NW/NE (n=95)	50.1	[37.3,62.9]	37.7	[25.9,51.1]	12.2	[6.0,23.3]		100.0
W/E Central/E (n=162)	55.0	[45.8,63.9]	32.6	[24.8,41.5]	12.4	[7.3,20.2]		100.0
S Central/SW/SE (n=151)	44.7	[35.1,54.7]	38.5	[29.3,48.5]	16.8	[11.2,24.5]		100.0
Detroit Metro (n=198)	49.9	[41.8,58.0]	35.2	[28.0,43.1]	14.8	[9.9,21.7]		100.0
Pearson: Uncorrected chi2(6) =	3.6494							
Design-based F(5.82, 3455.66) =	0.4562	Pr =	0.836					
Total (n=606)	50.2	[45.3,55.1]	35.4	[31.0,40.2]	14.3	[11.3,18.1]		100.0

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

Universe: All respondents

	Employed/self-employed				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
Age					
19-34 (n=219)	64.3	[56.1,71.8]	35.7	[28.2,43.9]	100.0
35-50 (n=178)	58.8	[49.8,67.3]	41.2	[32.7,50.2]	100.0
51-64 (n=208)	37.5	[30.0,45.6]	62.5	[54.4,70.0]	100.0
Pearson: Uncorrected chi2(2) =	30.9683				
Design-based F(1.97, 1170.04) =	10.4972	Pr =	0.000		
Gender					
Male (n=326)	57.6	[51.1,63.8]	42.4	[36.2,48.9]	100.0
Female (n=279)	50.9	[43.7,58.0]	49.1	[42.0,56.3]	100.0
Pearson: Uncorrected chi2(1) =	2.5412				
Design-based F(1.00, 593.00) =	1.8247	Pr =	0.177		
Race/ethnicity					
White, non-Hispanic (n=400)	52.8	[46.9,58.8]	47.2	[41.2,53.1]	100.0
Black, non-Hispanic (n=114)	64.0	[53.3,73.4]	36.0	[26.6,46.7]	100.0
Hispanic (n=33)	58.1	[37.7,76.1]	41.9	[23.9,62.3]	100.0
Other, non-Hispanic (n=53)	43.0	[28.2,59.3]	57.0	[40.7,71.8]	100.0
Pearson: Uncorrected chi2(3) =	8.3303				
Design-based F(2.98, 1751.02) =	1.7920	Pr =	0.147		
FPL category					
0-35% (n=237)	47.4	[40.8,54.1]	52.6	[45.9,59.2]	100.0
36-99% (n=192)	67.5	[60.8,73.6]	32.5	[26.4,39.2]	100.0
100%+ (n=176)	80.5	[74.4,85.4]	19.5	[14.6,25.6]	100.0
Pearson: Uncorrected chi2(2) =	36.8826				
Design-based F(1.80, 1069.67) =	28.9887	Pr =	0.000		
Region					
UP/NW/NE (n=95)	53.3	[40.7,65.5]	46.7	[34.5,59.3]	100.0
W/E Central/E (n=162)	56.8	[47.7,65.5]	43.2	[34.5,52.3]	100.0
S Central/SW/SE (n=151)	56.5	[46.7,65.8]	43.5	[34.2,53.3]	100.0
Detroit Metro (n=197)	53.6	[45.4,61.6]	46.4	[38.4,54.6]	100.0
Pearson: Uncorrected chi2(3) =	0.6040				
Design-based F(2.92, 1729.18) =	0.1523	Pr =	0.924		
Total (n=605)	55.1	[50.2,59.9]	44.9	[40.1,49.8]	100.0

2.3.1 Q: Are you working full-time or part-time?

Universe: Respondents who are employed (n = 358)

	Employment status				Total Row%
	Full-time Row%	95%CI	Part-time Row%	95%CI	
Age					
19-34 (n=157)	63.7	[54.3,72.2]	36.3	[27.8,45.7]	100.0
35-50 (n=111)	53.4	[42.0,64.4]	46.6	[35.6,58.0]	100.0
51-64 (n=90)	23.7	[15.1,35.0]	76.3	[65.0,84.9]	100.0
Pearson: Uncorrected chi2(2) =	31.8244				
Design-based F(1.94, 672.67) =	12.0771	Pr =	0.000		
Gender					
Male (n=204)	55.8	[47.3,63.8]	44.2	[36.2,52.7]	100.0
Female (n=154)	46.9	[37.0,57.1]	53.1	[42.9,63.0]	100.0
Pearson: Uncorrected chi2(1) =	2.5472				
Design-based F(1.00, 346.00) =	1.7692	Pr =	0.184		
Race/ethnicity					
White, non-Hispanic (n=233)	53.8	[45.7,61.7]	46.2	[38.3,54.3]	100.0
Black, non-Hispanic (n=76)	39.4	[27.2,52.9]	60.6	[47.1,72.8]	100.0
Hispanic (n=16)	81.5	[54.9,94.1]	18.5	[5.9,45.1]	100.0
Other, non-Hispanic (n=31)	64.6	[43.9,81.0]	35.4	[19.0,56.1]	100.0
Pearson: Uncorrected chi2(3) =	16.3637				
Design-based F(2.88, 990.38) =	3.8449	Pr =	0.010		
FPL category					
0-35% (n=101)	51.7	[41.7,61.6]	48.3	[38.4,58.3]	100.0
36-99% (n=122)	47.6	[39.0,56.5]	52.4	[43.5,61.0]	100.0
100%+ (n=135)	61.5	[53.1,69.2]	38.5	[30.8,46.9]	100.0
Pearson: Uncorrected chi2(2) =	2.9291				
Design-based F(1.74, 600.58) =	1.6669	Pr =	0.193		
Region					
UP/NW/NE (n=57)	63.2	[47.9,76.2]	36.8	[23.8,52.1]	100.0
W/E Central/E (n=100)	56.0	[43.8,67.5]	44.0	[32.5,56.2]	100.0
S Central/SW/SE (n=93)	52.4	[39.4,65.1]	47.6	[34.9,60.6]	100.0
Detroit Metro (n=108)	48.0	[36.9,59.2]	52.0	[40.8,63.1]	100.0
Pearson: Uncorrected chi2(3) =	3.2002				
Design-based F(2.80, 967.59) =	0.7885	Pr =	0.493		
Total (n=358)	52.7	[46.2,59.1]	47.3	[40.9,53.8]	100.0

2.4 Q: Are you out of work, unable to work, retired, or not looking for work at this time?

Universe: Respondents who are not employed (n = 238)

	Out of work		Unable to work		Unemployed status		Not looking for work at this time		Total Row%
	Row%	95%CI	Row%	95%CI	Retired Row%	95%CI	Row%	95%CI	
Age									
19-34 (n=61)	69.7	[56.0,80.7]	14.9	[7.4,27.7]	0.0		15.3	[8.3,26.5]	100.0
35-50 (n=62)	57.7	[43.3,71.0]	40.4	[27.4,54.9]	0.0		1.9	[0.7,5.2]	100.0
51-64 (n=115)	29.0	[20.2,39.8]	52.4	[41.7,62.9]	15.2	[9.0,24.6]	3.3	[1.3,8.0]	100.0
Pearson: Uncorrected chi2(6) =	66.0694								
Design-based F(5.22, 1178.90) =	9.8878	Pr =	0.000						
Gender									
Male (n=117)	55.5	[45.3,65.3]	37.0	[27.8,47.2]	5.8	[2.8,11.6]	1.7	[0.5,6.0]	100.0
Female (n=121)	43.0	[32.9,53.7]	36.3	[27.0,46.6]	6.3	[2.8,13.6]	14.5	[8.7,23.0]	100.0
Pearson: Uncorrected chi2(3) =	15.3686								
Design-based F(2.97, 671.77) =	4.4937	Pr =	0.004						
Race/ethnicity									
White, non-Hispanic (n=161)	45.8	[36.8,55.1]	38.2	[30.0,47.2]	7.7	[4.3,13.3]	8.4	[4.9,14.0]	100.0
Black, non-Hispanic (n=37)	66.5	[48.6,80.6]	31.0	[17.3,49.1]	0.7	[0.1,4.1]	1.8	[0.5,6.5]	100.0
Hispanic (n=16)	71.8	[41.6,90.1]	12.9	[3.9,35.2]	13.0	[1.9,53.3]	2.3	[0.4,12.9]	100.0
Other, non-Hispanic (n=22)	37.3	[17.3,62.7]	52.0	[28.6,74.5]	1.0	[0.2,6.4]	9.7	[2.2,33.7]	100.0
Pearson: Uncorrected chi2(9) =	17.1643								
Design-based F(6.30, 1410.11) =	2.1557	Pr =	0.042						
FPL category									
0-35% (n=133)	52.0	[43.3,60.6]	35.9	[28.0,44.6]	6.2	[3.3,11.3]	5.9	[3.1,10.9]	100.0
36-99% (n=67)	41.3	[29.8,53.7]	44.9	[33.4,57.0]	4.3	[1.7,10.4]	9.6	[4.5,19.2]	100.0
100%+ (n=38)	48.6	[33.3,64.1]	29.7	[18.7,43.9]	6.2	[2.1,16.4]	15.5	[6.5,32.7]	100.0
Pearson: Uncorrected chi2(6) =	3.5232								
Design-based F(5.36, 1210.44) =	1.3083	Pr =	0.255						
Region									
UP/NW/NE (n=37)	36.2	[19.4,57.2]	44.3	[26.1,64.2]	9.4	[3.3,24.1]	10.1	[2.5,32.7]	100.0
W/E Central/E (n=61)	40.1	[26.7,55.1]	44.7	[31.0,59.2]	9.8	[3.9,22.3]	5.4	[1.8,15.0]	100.0
S Central/SW/SE (n=55)	53.8	[38.6,68.4]	29.7	[18.6,43.8]	3.2	[0.8,11.9]	13.3	[6.4,25.6]	100.0
Detroit Metro (n=85)	58.9	[46.8,70.0]	33.2	[23.0,45.3]	4.1	[1.5,11.0]	3.8	[1.4,10.2]	100.0
Pearson: Uncorrected chi2(9) =	14.5732								
Design-based F(8.65, 1954.06) =	1.4790	Pr =	0.153						
Total (n=238)	50.5	[43.1,57.8]	36.7	[30.0,44.0]	6.0	[3.5,10.1]	6.9	[4.3,10.9]	100.0

2.4.1 Q: How long have you been [out of work/unable to work/retired]?

Universe: Respondents who are not employed (n = 238)

	Unemployed length of time				Total Row%
	Less than one year Row%	95%CI	One year or more Row%	95%CI	
Age					
19-34 (n=61)	70.5	[55.8,81.9]	29.5	[18.1,44.2]	100.0
35-50 (n=62)	59.6	[44.6,72.9]	40.4	[27.1,55.4]	100.0
51-64 (n=115)	56.1	[45.3,66.3]	43.9	[33.7,54.7]	100.0
Pearson: Uncorrected chi2(2) =	3.9430				
Design-based F(1.97, 445.62) =	1.3530	Pr =	0.259		
Gender					
Male (n=117)	59.0	[48.5,68.8]	41.0	[31.2,51.5]	100.0
Female (n=121)	65.9	[55.5,75.0]	34.1	[25.0,44.5]	100.0
Pearson: Uncorrected chi2(1) =	1.1591				
Design-based F(1.00, 226.00) =	0.9106	Pr =	0.341		
Race/ethnicity					
White, non-Hispanic (n=161)	59.6	[50.3,68.3]	40.4	[31.7,49.7]	100.0
Black, non-Hispanic (n=37)	66.1	[46.9,81.2]	33.9	[18.8,53.1]	100.0
Hispanic (n=16)	66.0	[34.4,87.8]	34.0	[12.2,65.6]	100.0
Other, non-Hispanic (n=22)	63.2	[38.6,82.5]	36.8	[17.5,61.4]	100.0
Pearson: Uncorrected chi2(3) =	0.7754				
Design-based F(3.00, 671.04) =	0.1732	Pr =	0.914		
FPL category					
0-35% (n=133)	58.7	[49.7,67.2]	41.3	[32.8,50.3]	100.0
36-99% (n=67)	72.8	[61.6,81.7]	27.2	[18.3,38.4]	100.0
100%+ (n=38)	82.7	[69.2,91.0]	17.3	[9.0,30.8]	100.0
Pearson: Uncorrected chi2(2) =	4.7057				
Design-based F(1.83, 412.68) =	5.5581	Pr =	0.005		
Region					
UP/NW/NE (n=37)	60.2	[39.9,77.5]	39.8	[22.5,60.1]	100.0
W/E Central/E (n=61)	62.0	[47.4,74.8]	38.0	[25.2,52.6]	100.0
S Central/SW/SE (n=55)	58.1	[42.1,72.6]	41.9	[27.4,57.9]	100.0
Detroit Metro (n=85)	63.9	[51.3,74.8]	36.1	[25.2,48.7]	100.0
Pearson: Uncorrected chi2(3) =	0.4984				
Design-based F(2.94, 664.92) =	0.1287	Pr =	0.941		
Total (n=238)	61.8	[54.2,68.8]	38.2	[31.2,45.8]	100.0

2.4.1.1 Q: Why are you unable to work?

Universe: Respondents who are unable to work (n = 97)

	Weighted Proportion	95%CI
Poor health (n=72)	70.1	[70.1, 70.1]
Disabled (n=15)	19.3	[19.3, 19.3]
Other (n=4)	4.3	[4.3, 4.3]
Caregiving responsibilities (n=4)	3.6	[3.6, 3.6]
Old age (n=2)	0.8	[0.8, 0.8]

2.5 Q: Are you currently in school?

Universe: All respondents

	Yes		In school		Total Row%
	Row%	95%CI	No Row%	95%CI	
Age					
19-34 (n=220)	16.3	[11.5,22.6]	83.7	[77.4,88.5]	100.0
35-50 (n=178)	3.7	[1.5,9.0]	96.3	[91.0,98.5]	100.0
51-64 (n=209)	0.9	[0.1,5.7]	99.1	[94.3,99.9]	100.0
Pearson: Uncorrected chi2(2) =	39.3790				
Design-based F(2.00, 1188.64) =	13.4476	Pr =	0.000		
Gender					
Male (n=326)	7.4	[4.6,11.7]	92.6	[88.3,95.4]	100.0
Female (n=281)	9.4	[6.1,14.1]	90.6	[85.9,93.9]	100.0
Pearson: Uncorrected chi2(1) =	0.7348				
Design-based F(1.00, 595.00) =	0.5494	Pr =	0.459		
Race/ethnicity					
White, non-Hispanic (n=401)	8.2	[5.4,12.2]	91.8	[87.8,94.6]	100.0
Black, non-Hispanic (n=114)	8.1	[4.3,15.0]	91.9	[85.0,95.7]	100.0
Hispanic (n=33)	10.1	[2.6,32.4]	89.9	[67.6,97.4]	100.0
Other, non-Hispanic (n=54)	7.1	[2.4,19.6]	92.9	[80.4,97.6]	100.0
Pearson: Uncorrected chi2(3) =	0.2632				
Design-based F(2.88, 1696.75) =	0.0596	Pr =	0.978		
FPL category					
0-35% (n=239)	6.1	[3.4,10.5]	93.9	[89.5,96.6]	100.0
36-99% (n=192)	16.4	[11.8,22.2]	83.6	[77.8,88.2]	100.0
100%+ (n=176)	8.6	[5.0,14.3]	91.4	[85.7,95.0]	100.0
Pearson: Uncorrected chi2(2) =	11.8612				
Design-based F(1.69, 1008.22) =	6.4778	Pr =	0.003		
Region					
UP/NW/NE (n=95)	9.1	[4.0,19.3]	90.9	[80.7,96.0]	100.0
W/E Central/E (n=163)	6.4	[3.4,11.5]	93.6	[88.5,96.6]	100.0
S Central/SW/SE (n=151)	12.9	[7.4,21.5]	87.1	[78.5,92.6]	100.0
Detroit Metro (n=198)	6.5	[3.4,12.1]	93.5	[87.9,96.6]	100.0
Pearson: Uncorrected chi2(3) =	5.7023				
Design-based F(2.87, 1709.41) =	1.4809	Pr =	0.219		
Total (n=607)	8.1	[5.9,11.1]	91.9	[88.9,94.1]	100.0

2.6 Q: Are you a veteran of the US military armed forces?

Universe: All respondents

	Yes		Veteran		Total Row%
	Row%	95%CI	No Row%	95%CI	
Age					
19-34 (n=220)	4.1	[1.6,10.1]	95.9	[89.9,98.4]	100.0
35-50 (n=176)	5.7	[2.8,11.0]	94.3	[89.0,97.2]	100.0
51-64 (n=209)	7.8	[4.4,13.4]	92.2	[86.6,95.6]	100.0
Pearson: Uncorrected chi2(2) =	2.6559				
Design-based F(1.88, 1116.46) =	0.8009	Pr =	0.443		
Gender					
Male (n=325)	7.8	[5.0,12.1]	92.2	[87.9,95.0]	100.0
Female (n=280)	1.9	[0.8,4.7]	98.1	[95.3,99.2]	100.0
Pearson: Uncorrected chi2(1) =	9.3546				
Design-based F(1.00, 593.00) =	8.9930	Pr =	0.003		
Race/ethnicity					
White, non-Hispanic (n=401)	6.8	[4.3,10.6]	93.2	[89.4,95.7]	100.0
Black, non-Hispanic (n=114)	3.5	[1.2,9.4]	96.5	[90.6,98.8]	100.0
Hispanic (n=33)	0.0		100.0		100.0
Other, non-Hispanic (n=52)	7.9	[1.5,32.7]	92.1	[67.3,98.5]	100.0
Pearson: Uncorrected chi2(3) =	4.9776				
Design-based F(2.70, 1590.38) =	0.8850	Pr =	0.439		
FPL category					
0-35% (n=238)	6.2	[3.6,10.2]	93.8	[89.8,96.4]	100.0
36-99% (n=192)	3.7	[1.9,7.0]	96.3	[93.0,98.1]	100.0
100%+ (n=175)	5.2	[2.8,9.6]	94.8	[90.4,97.2]	100.0
Pearson: Uncorrected chi2(2) =	0.9988				
Design-based F(1.85, 1095.78) =	0.8218	Pr =	0.432		
Region					
UP/NW/NE (n=95)	7.0	[2.6,17.7]	93.0	[82.3,97.4]	100.0
W/E Central/E (n=162)	4.0	[2.0,7.5]	96.0	[92.5,98.0]	100.0
S Central/SW/SE (n=151)	9.3	[4.3,19.1]	90.7	[80.9,95.7]	100.0
Detroit Metro (n=197)	4.4	[2.0,9.4]	95.6	[90.6,98.0]	100.0
Pearson: Uncorrected chi2(3) =	5.2361				
Design-based F(2.75, 1630.89) =	1.2904	Pr =	0.277		
Total (n=605)	5.6	[3.7,8.4]	94.4	[91.6,96.3]	100.0

2.7 Q: Has anyone else in your household been enrolled in the Healthy Michigan Plan?

Universe: All respondents

	Other HMP enrollee in household						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=220)	26.4	[20.3,33.6]	65.4	[57.6,72.5]	8.2	[4.5,14.4]	100.0
35-50 (n=177)	30.7	[23.4,39.2]	64.9	[56.3,72.7]	4.4	[2.1,9.0]	100.0
51-64 (n=209)	26.8	[20.4,34.3]	68.8	[60.9,75.8]	4.4	[1.8,10.3]	100.0
Pearson: Uncorrected chi2(4) =	4.6463						
Design-based F(3.94, 2338.38) =	0.8180	Pr =	0.512				
Gender							
Male (n=325)	24.2	[19.3,29.8]	70.1	[64.1,75.5]	5.7	[3.3,9.8]	100.0
Female (n=281)	33.9	[27.6,40.9]	59.7	[52.5,66.6]	6.4	[3.4,11.7]	100.0
Pearson: Uncorrected chi2(2) =	7.2607						
Design-based F(1.97, 1170.33) =	2.4588	Pr =	0.087				
Race/ethnicity							
White, non-Hispanic (n=401)	29.5	[24.5,35.0]	64.0	[58.1,69.5]	6.5	[3.9,10.7]	100.0
Black, non-Hispanic (n=114)	19.3	[12.3,29.0]	75.7	[65.4,83.7]	5.0	[1.8,12.9]	100.0
Hispanic (n=33)	23.8	[11.9,41.9]	70.9	[51.4,84.8]	5.3	[0.8,28.6]	100.0
Other, non-Hispanic (n=53)	44.6	[29.7,60.6]	50.0	[34.2,65.8]	5.3	[1.4,18.5]	100.0
Pearson: Uncorrected chi2(6) =	14.1979						
Design-based F(5.84, 3440.00) =	1.5209	Pr =	0.169				
FPL category							
0-35% (n=239)	22.9	[17.8,28.9]	70.0	[63.7,75.7]	7.1	[4.4,11.4]	100.0
36-99% (n=192)	40.4	[33.7,47.4]	56.4	[49.3,63.2]	3.2	[1.3,7.9]	100.0
100%+ (n=175)	38.3	[31.6,45.5]	58.4	[51.1,65.4]	3.3	[1.4,7.7]	100.0
Pearson: Uncorrected chi2(4) =	19.0072						
Design-based F(3.65, 2166.87) =	6.4412	Pr =	0.000				
Region							
UP/NW/NE (n=95)	32.2	[21.7,45.0]	59.7	[46.1,71.9]	8.1	[2.1,26.4]	100.0
W/E Central/E (n=163)	30.5	[23.2,38.8]	65.5	[56.8,73.2]	4.0	[1.6,9.9]	100.0
S Central/SW/SE (n=151)	25.3	[18.2,34.1]	68.9	[59.5,76.9]	5.8	[2.5,13.1]	100.0
Detroit Metro (n=197)	26.3	[19.9,33.9]	66.9	[58.9,74.0]	6.8	[3.7,12.4]	100.0
Pearson: Uncorrected chi2(6) =	3.7054						
Design-based F(5.66, 3359.77) =	0.4133	Pr =	0.861				
Total (n=606)	27.8	[23.8,32.2]	66.2	[61.6,70.6]	6.0	[3.9,9.0]	100.0

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

Universe: All respondents

	Number of places lived in past 3 years										Total Row%
	One		Two		Three		Four or more		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age											
19-34 (n=220)	34.6	[27.5,42.6]	38.3	[30.9,46.3]	13.3	[8.8,19.6]	12.9	[8.3,19.4]	0.9	[0.2,3.4]	100.0
35-50 (n=178)	47.0	[38.2,55.9]	30.3	[22.6,39.2]	15.5	[9.8,23.6]	6.8	[3.7,12.3]	0.5	[0.1,3.1]	100.0
51-64 (n=208)	61.5	[53.2,69.2]	23.7	[17.4,31.4]	9.9	[5.9,16.2]	4.8	[2.2,10.2]	0.1	[0.0,0.8]	100.0
Pearson: Uncorrected chi2(8) =	34.9973										
Design-based F(7.13, 4233.89) =	3.5394	Pr =	0.001								
Gender											
Male (n=325)	43.0	[36.8,49.5]	33.0	[27.1,39.4]	13.9	[10.0,19.0]	9.5	[6.3,14.2]	0.6	[0.2,2.3]	100.0
Female (n=281)	50.8	[43.6,57.9]	29.8	[23.7,36.6]	11.4	[7.4,17.3]	7.5	[4.5,12.2]	0.5	[0.1,2.2]	100.0
Pearson: Uncorrected chi2(4) =	3.6798										
Design-based F(3.84, 2282.50) =	0.7329	Pr =	0.564								
Race/ethnicity											
White, non-Hispanic (n=400)	48.0	[42.0,54.0]	31.2	[25.8,37.1]	13.2	[9.7,17.9]	7.5	[4.8,11.5]	0.1	[0.0,0.4]	100.0
Black, non-Hispanic (n=114)	45.2	[35.0,55.9]	34.0	[24.7,44.8]	8.2	[3.7,17.0]	10.9	[5.8,19.6]	1.6	[0.4,6.1]	100.0
Hispanic (n=33)	38.2	[20.5,59.8]	23.9	[11.7,42.6]	20.2	[8.0,42.3]	15.5	[5.1,38.6]	2.2	[0.4,12.5]	100.0
Other, non-Hispanic (n=54)	37.7	[24.1,53.7]	37.6	[22.9,54.9]	17.2	[7.2,35.9]	7.5	[2.6,19.9]	0.0		100.0
Pearson: Uncorrected chi2(12) =	18.0187										
Design-based F(10.60, 6246.31) =	1.0773	Pr =	0.375								
FPL category											
0-35% (n=238)	46.6	[40.1,53.2]	30.7	[24.9,37.2]	13.4	[9.5,18.6]	8.8	[5.6,13.3]	0.5	[0.1,2.1]	100.0
36-99% (n=192)	42.4	[35.7,49.3]	35.4	[29.0,42.4]	12.5	[8.6,17.8]	9.8	[6.1,15.3]	0.0		100.0
100%+ (n=176)	46.9	[39.8,54.1]	32.8	[26.2,40.1]	11.4	[7.6,16.9]	7.5	[4.4,12.5]	1.4	[0.3,5.9]	100.0
Pearson: Uncorrected chi2(8) =	3.1247										
Design-based F(7.20, 4279.50) =	0.5254	Pr =	0.821								
Region											
UP/NW/NE (n=95)	54.2	[41.1,66.7]	34.3	[22.5,48.5]	7.1	[3.5,13.8]	4.4	[2.2,8.5]	0.0		100.0
W/E Central/E (n=162)	48.3	[39.3,57.5]	27.3	[19.9,36.2]	17.1	[10.7,26.1]	7.3	[3.5,14.7]	0.0		100.0
S Central/SW/SE (n=151)	38.0	[28.9,48.0]	30.3	[21.8,40.2]	13.7	[8.9,20.7]	16.2	[9.9,25.3]	1.9	[0.5,6.4]	100.0
Detroit Metro (n=198)	46.7	[38.7,54.9]	35.0	[27.7,43.1]	11.2	[6.8,17.8]	6.8	[3.6,12.2]	0.4	[0.1,2.1]	100.0
Pearson: Uncorrected chi2(12) =	26.2225										
Design-based F(9.84, 5844.89) =	1.9366	Pr =	0.037								
Total (n=606)	45.9	[41.1,50.8]	31.8	[27.4,36.5]	13.0	[10.0,16.7]	8.8	[6.3,12.0]	0.6	[0.2,1.6]	100.0

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

Universe: All respondents

	Homeless in the last 12 months				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
Age					
19-34 (n=220)	14.1	[9.1,21.0]	85.9	[79.0,90.9]	100.0
35-50 (n=176)	11.1	[6.7,17.9]	88.9	[82.1,93.3]	100.0
51-64 (n=209)	14.9	[9.5,22.6]	85.1	[77.4,90.5]	100.0
Pearson: Uncorrected chi2(2) =	1.2502				
Design-based F(1.99, 1180.59) =	0.3967	Pr =	0.672		
Gender					
Male (n=325)	15.0	[10.8,20.5]	85.0	[79.5,89.2]	100.0
Female (n=280)	10.7	[6.9,16.3]	89.3	[83.7,93.1]	100.0
Pearson: Uncorrected chi2(1) =	2.2798				
Design-based F(1.00, 593.00) =	1.5680	Pr =	0.211		
Race/ethnicity					
White, non-Hispanic (n=401)	10.4	[7.1,15.0]	89.6	[85.0,92.9]	100.0
Black, non-Hispanic (n=114)	18.8	[11.6,28.8]	81.2	[71.2,88.4]	100.0
Hispanic (n=33)	17.6	[6.4,39.9]	82.4	[60.1,93.6]	100.0
Other, non-Hispanic (n=52)	18.2	[8.2,35.7]	81.8	[64.3,91.8]	100.0
Pearson: Uncorrected chi2(3) =	7.8538				
Design-based F(2.99, 1755.40) =	1.5249	Pr =	0.206		
FPL category					
0-35% (n=238)	16.0	[11.7,21.4]	84.0	[78.6,88.3]	100.0
36-99% (n=192)	7.8	[4.5,13.2]	92.2	[86.8,95.5]	100.0
100%+ (n=175)	6.8	[3.9,11.4]	93.2	[88.6,96.1]	100.0
Pearson: Uncorrected chi2(2) =	8.1171				
Design-based F(1.86, 1101.02) =	6.2031	Pr =	0.003		
Region					
UP/NW/NE (n=95)	11.0	[4.3,25.2]	89.0	[74.8,95.7]	100.0
W/E Central/E (n=162)	12.0	[6.8,20.3]	88.0	[79.7,93.2]	100.0
S Central/SW/SE (n=151)	13.5	[8.3,21.2]	86.5	[78.8,91.7]	100.0
Detroit Metro (n=197)	14.9	[9.8,22.0]	85.1	[78.0,90.2]	100.0
Pearson: Uncorrected chi2(3) =	1.0673				
Design-based F(2.95, 1749.16) =	0.2288	Pr =	0.873		
Total (n=605)	13.4	[10.3,17.3]	86.6	[82.7,89.7]	100.0

2.10 Q: How often do you need to have someone help you read instructions, pamphlets, or other written material from a doctor, pharmacy or health plan?

Universe: All respondents

	Need help reading written materials										Total Row%
	Never		Rarely		Sometimes		Often		Always		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age											
19-34 (n=220)	72.7	[64.9,79.3]	16.4	[11.1,23.5]	7.8	[4.5,13.2]	2.2	[0.7,6.5]	1.0	[0.3,3.3]	100.0
35-50 (n=177)	67.4	[58.4,75.3]	12.9	[7.8,20.8]	5.9	[3.1,10.8]	6.6	[3.4,12.7]	7.1	[3.5,13.8]	100.0
51-64 (n=209)	62.3	[54.0,69.9]	16.9	[11.5,24.2]	11.7	[7.3,18.4]	3.7	[1.8,7.5]	5.3	[2.6,10.6]	100.0
Pearson: Uncorrected chi2(8) =	22.4114										
Design-based F(7.71, 4577.23) =	2.0306	Pr =	0.042								
Gender											
Male (n=325)	64.1	[57.7,70.1]	18.6	[13.9,24.5]	8.1	[5.4,11.8]	4.7	[2.7,8.0]	4.5	[2.4,8.1]	100.0
Female (n=281)	74.9	[68.2,80.6]	10.2	[6.9,14.8]	8.7	[5.2,14.5]	2.8	[1.2,6.3]	3.4	[1.6,6.8]	100.0
Pearson: Uncorrected chi2(4) =	10.8324										
Design-based F(3.98, 2364.01) =	2.1294	Pr =	0.075								
Race/ethnicity											
White, non-Hispanic (n=401)	70.6	[64.8,75.9]	15.0	[11.1,20.0]	6.7	[4.3,10.4]	5.3	[3.1,8.9]	2.4	[1.1,5.3]	100.0
Black, non-Hispanic (n=114)	71.2	[60.8,79.8]	16.7	[10.0,26.4]	4.7	[1.9,11.0]	2.5	[0.9,6.5]	5.0	[1.9,12.2]	100.0
Hispanic (n=33)	62.8	[42.0,79.8]	16.4	[5.2,40.9]	14.7	[6.0,31.5]	2.5	[0.4,15.2]	3.7	[0.9,13.6]	100.0
Other, non-Hispanic (n=53)	49.0	[33.0,65.3]	10.4	[3.8,25.3]	26.0	[14.1,42.9]	0.0		14.6	[6.3,30.4]	100.0
Pearson: Uncorrected chi2(12) =	50.0114										
Design-based F(11.21, 6601.72) =	3.0274	Pr =	0.000								
FPL category											
0-35% (n=239)	66.8	[60.3,72.7]	16.6	[12.1,22.2]	7.8	[5.0,12.0]	4.4	[2.5,7.7]	4.4	[2.4,7.9]	100.0
36-99% (n=192)	68.9	[62.1,74.9]	14.2	[10.0,19.7]	9.7	[6.3,14.5]	3.4	[1.7,6.8]	3.8	[1.8,8.0]	100.0
100%+ (n=175)	74.8	[67.9,80.6]	11.1	[7.5,16.0]	9.5	[5.7,15.5]	2.3	[0.9,5.7]	2.3	[0.9,5.6]	100.0
Pearson: Uncorrected chi2(8) =	4.0809										
Design-based F(7.21, 4284.74) =	0.7879	Pr =	0.601								
Region											
UP/NW/NE (n=95)	62.8	[49.5,74.4]	18.2	[10.1,30.6]	10.3	[4.1,23.6]	5.5	[2.0,14.2]	3.2	[1.0,9.9]	100.0
W/E Central/E (n=163)	66.8	[57.6,74.9]	15.2	[9.4,23.7]	10.9	[6.3,18.0]	3.8	[1.7,8.4]	3.2	[1.3,8.2]	100.0
S Central/SW/SE (n=151)	66.7	[56.4,75.5]	15.9	[9.6,25.3]	7.1	[3.6,13.7]	7.5	[3.2,16.3]	2.8	[1.0,7.5]	100.0
Detroit Metro (n=197)	71.2	[63.3,78.0]	14.7	[9.7,21.7]	6.7	[3.8,11.5]	1.8	[0.7,4.8]	5.5	[2.7,10.9]	100.0
Pearson: Uncorrected chi2(12) =	13.3102										
Design-based F(11.43, 6789.98) =	0.8650	Pr =	0.578								
Total (n=606)	68.2	[63.4,72.6]	15.5	[12.1,19.5]	8.3	[6.1,11.3]	4.0	[2.5,6.3]	4.1	[2.5,6.5]	100.0

3 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.

3.1 Q: In general, would you say your health is:

Universe: All respondents

	Health status												Total Row%
	Excellent		Very good		Good		Fair		Poor		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age													
19-34 (n=220)	12.1	[7.8,18.3]	29.2	[22.5,37.0]	35.4	[28.3,43.2]	21.5	[15.4,29.2]	1.8	[0.7,4.8]	0.0		100.0
35-50 (n=177)	10.7	[6.1,18.0]	26.4	[19.2,35.1]	31.4	[23.9,39.9]	23.0	[16.1,31.7]	7.2	[3.8,13.2]	1.4	[0.2,8.8]	100.0
51-64 (n=209)	5.8	[2.9,11.2]	18.7	[13.3,25.7]	32.6	[25.5,40.7]	32.1	[24.9,40.2]	10.0	[6.0,16.3]	0.8	[0.1,5.2]	100.0
Pearson: Uncorrected chi2(10) =	30.2443												
Design-based F(9.51, 5646.91) =	2.0020		Pr =	0.032									
Gender													
Male (n=326)	11.3	[7.8,16.1]	22.5	[17.6,28.4]	34.3	[28.6,40.6]	25.8	[20.5,32.0]	5.0	[2.9,8.5]	1.0	[0.3,4.1]	100.0
Female (n=280)	7.5	[4.3,12.7]	30.2	[23.9,37.3]	31.8	[25.7,38.6]	23.5	[17.8,30.3]	7.0	[4.2,11.3]	0.0		100.0
Pearson: Uncorrected chi2(5) =	9.2118												
Design-based F(4.87, 2892.24) =	1.2225		Pr =	0.296									
Race/ethnicity													
White, non-Hispanic (n=400)	7.9	[5.2,11.7]	29.5	[24.2,35.3]	29.4	[24.4,35.0]	26.2	[21.1,32.0]	6.0	[3.9,9.2]	1.1	[0.3,4.2]	100.0
Black, non-Hispanic (n=114)	14.2	[7.8,24.6]	20.3	[13.2,30.0]	37.8	[28.2,48.3]	23.8	[15.8,34.4]	3.8	[1.5,9.8]	0.0		100.0
Hispanic (n=33)	5.7	[1.4,20.2]	33.4	[16.1,56.7]	36.4	[19.7,57.2]	18.2	[8.3,35.3]	6.3	[1.2,26.8]	0.0		100.0
Other, non-Hispanic (n=54)	16.4	[7.4,32.4]	6.0	[2.8,12.7]	45.3	[29.9,61.6]	23.1	[11.5,41.1]	9.2	[2.7,27.0]	0.0		100.0
Pearson: Uncorrected chi2(15) =	29.6453												
Design-based F(13.94, 8208.70) =	1.3019		Pr =	0.197									
FPL category													
0-35% (n=239)	10.0	[6.6,14.9]	25.3	[20.0,31.5]	30.0	[24.4,36.3]	27.4	[22.0,33.7]	6.3	[4.0,10.0]	0.9	[0.2,3.7]	100.0
36-99% (n=191)	7.0	[4.2,11.5]	25.1	[19.4,31.8]	44.1	[37.3,51.2]	18.7	[13.8,24.7]	5.1	[3.0,8.7]	0.0		100.0
100%+ (n=176)	12.9	[8.6,19.1]	26.3	[20.4,33.2]	37.7	[31.0,44.9]	19.6	[14.3,26.2]	3.4	[1.7,6.8]	0.0		100.0
Pearson: Uncorrected chi2(10) =	13.3000												
Design-based F(6.88, 4084.26) =	1.8248		Pr =	0.080									
Region													
UP/NW/NE (n=95)	6.9	[3.0,15.4]	19.8	[11.1,32.8]	27.3	[18.3,38.6]	37.8	[25.9,51.5]	8.1	[3.4,18.3]	0.0		100.0
W/E Central/E (n=162)	6.0	[3.5,10.3]	30.8	[22.9,40.1]	27.5	[20.3,36.2]	23.6	[16.6,32.6]	9.7	[5.5,16.5]	2.3	[0.6,9.0]	100.0
S Central/SW/SE (n=151)	11.0	[5.8,19.6]	25.0	[17.5,34.3]	32.1	[23.9,41.6]	28.2	[19.8,38.5]	3.7	[1.8,7.5]	0.0		100.0
Detroit Metro (n=198)	12.6	[7.9,19.7]	23.2	[17.0,30.8]	39.6	[32.0,47.7]	21.0	[15.0,28.5]	3.6	[1.5,8.2]	0.0		100.0
Pearson: Uncorrected chi2(15) =	37.8461												
Design-based F(12.50, 7424.07) =	2.1507		Pr =	0.010									
Total (n=606)	9.9	[7.3,13.3]	25.4	[21.4,29.9]	33.4	[29.1,38.0]	24.9	[20.9,29.5]	5.8	[4.0,8.3]	0.6	[0.2,2.6]	100.0

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

Universe: All respondents

	Weighted Proportion	95%CI
Mood disorder		
Yes (n=184)	30.5	[26.2, 35.1]
No (n=418)	68.3	[63.7, 72.6]
Don't know (n=5)	1.2	[0.5, 3.1]
Hypertension		
Yes (n=181)	28.5	[24.4, 33.0]
No (n=425)	71.3	[66.8, 75.4]
Don't know (n=1)	0.1	[0.0, 0.8]
Other health condition		
Yes (n=156)	23.6	[19.8, 27.8]
No (n=450)	76.3	[72.1, 80.1]
Don't know (n=1)	0.1	[0.0, 0.5]
Arthritis or a related condition		
Yes (n=134)	21.4	[17.8, 25.5]
No (n=471)	78.3	[74.2, 81.9]
Don't know (n=1)	0.3	[0.0, 2.1]
Asthma		
Yes (n=80)	12.6	[9.8, 16.1]
No (n=527)	87.4	[83.9, 90.2]
Diabetes		
Yes (n=49)	7.0	[5.0, 9.5]
No (n=556)	92.7	[90.1, 94.7]
Don't know (n=2)	0.3	[0.1, 1.5]
Chronic lung disease		
Yes (n=54)	7.0	[5.1, 9.5]
No (n=550)	92.4	[89.9, 94.4]
Don't know (n=3)	0.5	[0.2, 1.7]
Heart condition or heart disease		
Yes (n=47)	6.0	[4.2, 8.4]
No (n=556)	93.1	[90.3, 95.1]
Don't know (n=4)	1.0	[0.3, 3.1]
Substance use disorder		
Yes (n=24)	4.9	[3.1, 7.6]
No (n=582)	95.1	[92.4, 96.9]
Cancer		
Yes (n=29)	4.4	[2.8, 6.6]
No (n=575)	95.0	[92.5, 96.6]
Don't know (n=3)	0.7	[0.2, 2.3]
Stroke		
Yes (n=16)	2.2	[1.2, 3.9]
No (n=591)	97.8	[96.1, 98.8]

Note: Respondents were able to provide multiple responses

3.2.1 Any chronic condition

Universe: All respondents

	Any chronic condition				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
Age					
19-34 (n=220)	55.7	[47.7,63.4]	44.3	[36.6,52.3]	100.0
35-50 (n=178)	66.2	[57.1,74.3]	33.8	[25.7,42.9]	100.0
51-64 (n=209)	83.7	[76.6,89.0]	16.3	[11.0,23.4]	100.0
Pearson: Uncorrected chi2(2) =	36.0689				
Design-based F(1.98, 1175.63) =	12.2466	Pr =	0.000		
Gender					
Male (n=326)	63.0	[56.5,69.1]	37.0	[30.9,43.5]	100.0
Female (n=281)	73.1	[66.1,79.1]	26.9	[20.9,33.9]	100.0
Pearson: Uncorrected chi2(1) =	6.5475				
Design-based F(1.00, 595.00) =	4.5873	Pr =	0.033		
Race/ethnicity					
White, non-Hispanic (n=401)	70.2	[64.3,75.5]	29.8	[24.5,35.7]	100.0
Black, non-Hispanic (n=114)	53.5	[42.8,63.9]	46.5	[36.1,57.2]	100.0
Hispanic (n=33)	75.6	[53.8,89.1]	24.4	[10.9,46.2]	100.0
Other, non-Hispanic (n=54)	69.5	[52.3,82.6]	30.5	[17.4,47.7]	100.0
Pearson: Uncorrected chi2(3) =	14.6594				
Design-based F(2.99, 1761.57) =	2.9969	Pr =	0.030		
FPL category					
0-35% (n=239)	67.8	[61.2,73.7]	32.2	[26.3,38.8]	100.0
36-99% (n=192)	63.9	[56.8,70.5]	36.1	[29.5,43.2]	100.0
100%+ (n=176)	65.1	[57.7,71.9]	34.9	[28.1,42.3]	100.0
Pearson: Uncorrected chi2(2) =	0.6824				
Design-based F(1.80, 1073.30) =	0.4654	Pr =	0.608		
Region					
UP/NW/NE (n=95)	61.4	[47.5,73.7]	38.6	[26.3,52.5]	100.0
W/E Central/E (n=163)	72.5	[63.9,79.7]	27.5	[20.3,36.1]	100.0
S Central/SW/SE (n=151)	70.0	[59.9,78.4]	30.0	[21.6,40.1]	100.0
Detroit Metro (n=198)	62.4	[54.0,70.1]	37.6	[29.9,46.0]	100.0
Pearson: Uncorrected chi2(3) =	6.0169				
Design-based F(2.95, 1757.84) =	1.4305	Pr =	0.232		
Total (n=607)	66.8	[62.0,71.3]	33.2	[28.7,38.0]	100.0

3.2.2 Count of chronic conditions

Universe: All respondents

	None		Number of chronic conditions				Total Row%
	Row%	95%CI	One Row%	95%CI	Two or more Row%	95%CI	
Age							
19-34 (n=220)	44.3	[36.6,52.3]	31.0	[24.0,38.9]	24.7	[18.7,32.0]	100.0
35-50 (n=178)	33.8	[25.7,42.9]	20.7	[14.5,28.7]	45.5	[36.8,54.5]	100.0
51-64 (n=209)	16.3	[11.0,23.4]	23.0	[16.8,30.5]	60.8	[52.6,68.4]	100.0
Pearson: Uncorrected chi2(4) =	62.3356						
Design-based F(3.96, 2357.66) =	10.8072	Pr =	0.000				
Gender							
Male (n=326)	37.0	[30.9,43.5]	26.0	[20.7,32.1]	37.0	[31.1,43.4]	100.0
Female (n=281)	26.9	[20.9,33.9]	24.9	[19.1,31.7]	48.3	[41.2,55.4]	100.0
Pearson: Uncorrected chi2(2) =	8.8103						
Design-based F(2.00, 1189.13) =	3.1358	Pr =	0.044				
Race/ethnicity							
White, non-Hispanic (n=401)	29.8	[24.5,35.7]	26.4	[21.4,32.0]	43.9	[38.0,49.9]	100.0
Black, non-Hispanic (n=114)	46.5	[36.1,57.2]	21.5	[14.0,31.6]	32.0	[23.2,42.2]	100.0
Hispanic (n=33)	24.4	[10.9,46.2]	31.8	[14.8,55.6]	43.8	[25.7,63.7]	100.0
Other, non-Hispanic (n=54)	30.5	[17.4,47.7]	28.4	[16.1,45.2]	41.1	[26.3,57.6]	100.0
Pearson: Uncorrected chi2(6) =	15.1155						
Design-based F(5.87, 3462.87) =	1.5458	Pr =	0.161				
FPL category							
0-35% (n=239)	32.2	[26.3,38.8]	26.0	[20.6,32.2]	41.8	[35.7,48.2]	100.0
36-99% (n=192)	36.1	[29.5,43.2]	23.3	[17.9,29.7]	40.6	[34.0,47.6]	100.0
100%+ (n=176)	34.9	[28.1,42.3]	26.4	[20.4,33.3]	38.7	[31.9,46.1]	100.0
Pearson: Uncorrected chi2(4) =	0.8744						
Design-based F(3.61, 2150.66) =	0.3128	Pr =	0.852				
Region							
UP/NW/NE (n=95)	38.6	[26.3,52.5]	16.6	[9.4,27.7]	44.8	[32.7,57.6]	100.0
W/E Central/E (n=163)	27.5	[20.3,36.1]	21.8	[15.0,30.6]	50.7	[41.7,59.7]	100.0
S Central/SW/SE (n=151)	30.0	[21.6,40.1]	30.6	[22.2,40.5]	39.4	[30.3,49.2]	100.0
Detroit Metro (n=198)	37.6	[29.9,46.0]	27.6	[20.9,35.5]	34.8	[27.7,42.8]	100.0
Pearson: Uncorrected chi2(6) =	14.9030						
Design-based F(5.80, 3452.67) =	1.8404	Pr =	0.090				
Total (n=607)	33.2	[28.7,38.0]	25.6	[21.5,30.1]	41.2	[36.6,46.0]	100.0

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

Universe: All respondents

	Mood disorder						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=220)	31.3	[24.5,39.1]	68.7	[60.9,75.5]	0.0		100.0
35-50 (n=178)	31.0	[23.4,39.9]	67.7	[58.7,75.5]	1.3	[0.2,8.3]	100.0
51-64 (n=209)	28.6	[21.9,36.3]	68.4	[60.5,75.4]	3.0	[1.1,8.2]	100.0
Pearson: Uncorrected chi2(4) =	7.6639						
Design-based F(3.79, 2255.13) =	1.1669	Pr =	0.323				
Gender							
Male (n=326)	24.8	[19.6,30.8]	73.2	[67.1,78.6]	2.0	[0.8,5.0]	100.0
Female (n=281)	39.9	[33.1,47.2]	60.1	[52.8,66.9]	0.0		100.0
Pearson: Uncorrected chi2(2) =	18.7201						
Design-based F(1.99, 1181.75) =	5.9807	Pr =	0.003				
Race/ethnicity							
White, non-Hispanic (n=401)	34.1	[28.6,40.0]	64.9	[59.0,70.4]	1.0	[0.3,3.3]	100.0
Black, non-Hispanic (n=114)	17.5	[10.8,27.2]	79.7	[69.6,87.0]	2.8	[0.7,10.6]	100.0
Hispanic (n=33)	47.6	[28.4,67.6]	52.4	[32.4,71.6]	0.0		100.0
Other, non-Hispanic (n=54)	28.6	[15.9,45.9]	71.4	[54.1,84.1]	0.0		100.0
Pearson: Uncorrected chi2(6) =	22.0003						
Design-based F(5.92, 3495.25) =	2.2236	Pr =	0.039				
FPL category							
0-35% (n=239)	32.4	[26.6,38.7]	66.0	[59.6,71.8]	1.6	[0.6,4.4]	100.0
36-99% (n=192)	22.9	[17.7,29.0]	76.6	[70.4,81.8]	0.5	[0.1,3.2]	100.0
100%+ (n=176)	30.1	[23.7,37.4]	69.9	[62.6,76.3]	0.0		100.0
Pearson: Uncorrected chi2(4) =	5.7754						
Design-based F(3.01, 1789.24) =	1.6619	Pr =	0.173				
Region							
UP/NW/NE (n=95)	30.9	[20.9,43.2]	69.1	[56.8,79.1]	0.0		100.0
W/E Central/E (n=163)	38.1	[29.6,47.4]	60.4	[51.1,69.0]	1.5	[0.3,6.9]	100.0
S Central/SW/SE (n=151)	31.8	[23.5,41.4]	67.5	[57.8,75.8]	0.8	[0.1,5.0]	100.0
Detroit Metro (n=198)	24.4	[18.0,32.1]	74.0	[66.2,80.6]	1.6	[0.4,6.2]	100.0
Pearson: Uncorrected chi2(6) =	10.3566						
Design-based F(5.65, 3363.05) =	1.2382	Pr =	0.285				
Total (n=607)	30.5	[26.2,35.1]	68.3	[63.7,72.6]	1.2	[0.5,3.1]	100.0

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

Universe: All respondents

	Hypertension						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=220)	12.9	[8.2,19.7]	87.1	[80.3,91.8]	0.0		100.0
35-50 (n=178)	25.0	[18.2,33.3]	74.6	[66.3,81.4]	0.4	[0.1,2.6]	100.0
51-64 (n=209)	55.3	[47.1,63.2]	44.7	[36.8,52.9]	0.0		100.0
Pearson: Uncorrected chi2(4) =	92.8618						
Design-based F(3.66, 2179.63) =	18.2343	Pr =	0.000				
Gender							
Male (n=326)	27.2	[21.9,33.2]	72.6	[66.6,77.9]	0.2	[0.0,1.3]	100.0
Female (n=281)	30.8	[24.6,37.7]	69.2	[62.3,75.4]	0.0		100.0
Pearson: Uncorrected chi2(2) =	1.3505						
Design-based F(1.81, 1077.12) =	0.6658	Pr =	0.500				
Race/ethnicity							
White, non-Hispanic (n=401)	27.3	[22.4,32.7]	72.5	[67.0,77.4]	0.2	[0.0,1.3]	100.0
Black, non-Hispanic (n=114)	29.7	[21.1,40.0]	70.3	[60.0,78.9]	0.0		100.0
Hispanic (n=33)	27.2	[12.6,49.2]	72.8	[50.8,87.4]	0.0		100.0
Other, non-Hispanic (n=54)	30.8	[18.1,47.3]	69.2	[52.7,81.9]	0.0		100.0
Pearson: Uncorrected chi2(6) =	0.9744						
Design-based F(5.63, 3323.34) =	0.1143	Pr =	0.993				
FPL category							
0-35% (n=239)	30.6	[25.1,36.8]	69.4	[63.2,74.9]	0.0		100.0
36-99% (n=192)	21.5	[16.7,27.4]	77.7	[71.7,82.7]	0.8	[0.1,4.6]	100.0
100%+ (n=176)	26.5	[20.5,33.5]	73.5	[66.5,79.5]	0.0		100.0
Pearson: Uncorrected chi2(4) =	7.2626						
Design-based F(3.08, 1833.14) =	3.5877	Pr =	0.012				
Region							
UP/NW/NE (n=95)	36.5	[25.2,49.5]	63.5	[50.5,74.8]	0.0		100.0
W/E Central/E (n=163)	26.7	[19.4,35.5]	72.8	[64.0,80.2]	0.5	[0.1,2.8]	100.0
S Central/SW/SE (n=151)	27.3	[19.5,36.8]	72.7	[63.2,80.5]	0.0		100.0
Detroit Metro (n=198)	28.6	[22.0,36.2]	71.4	[63.8,78.0]	0.0		100.0
Pearson: Uncorrected chi2(6) =	4.2170						
Design-based F(4.27, 2542.90) =	0.8409	Pr =	0.505				
Total (n=607)	28.5	[24.4,33.0]	71.3	[66.8,75.4]	0.1	[0.0,0.8]	100.0

3.2.5 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)?n

Universe: All respondents

	Arthritis or a related condition						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=220)	7.9	[4.6,13.2]	92.1	[86.8,95.4]	0.0		100.0
35-50 (n=177)	22.2	[15.7,30.4]	76.8	[68.4,83.5]	1.0	[0.2,6.7]	100.0
51-64 (n=209)	40.3	[32.6,48.6]	59.7	[51.4,67.4]	0.0		100.0
Pearson: Uncorrected chi2(4) =	68.5060						
Design-based F(3.93, 2334.65) =	11.3476	Pr =	0.000				
Gender							
Male (n=326)	19.4	[14.8,25.0]	80.1	[74.5,84.7]	0.5	[0.1,3.3]	100.0
Female (n=280)	24.7	[19.3,31.0]	75.3	[69.0,80.7]	0.0		100.0
Pearson: Uncorrected chi2(2) =	3.4060						
Design-based F(1.95, 1159.60) =	1.0912	Pr =	0.335				
Race/ethnicity							
White, non-Hispanic (n=401)	22.6	[18.1,27.9]	76.9	[71.5,81.5]	0.5	[0.1,3.4]	100.0
Black, non-Hispanic (n=114)	19.6	[12.7,29.1]	80.4	[70.9,87.3]	0.0		100.0
Hispanic (n=33)	6.3	[1.8,19.4]	93.7	[80.6,98.2]	0.0		100.0
Other, non-Hispanic (n=53)	28.6	[15.9,46.0]	71.4	[54.0,84.1]	0.0		100.0
Pearson: Uncorrected chi2(6) =	8.7550						
Design-based F(5.79, 3409.64) =	0.9796	Pr =	0.436				
FPL category							
0-35% (n=238)	23.6	[18.7,29.3]	76.0	[70.2,80.9]	0.4	[0.1,3.0]	100.0
36-99% (n=192)	16.4	[12.1,21.8]	83.6	[78.2,87.9]	0.0		100.0
100%+ (n=176)	16.1	[11.5,22.0]	83.9	[78.0,88.5]	0.0		100.0
Pearson: Uncorrected chi2(4) =	4.9655						
Design-based F(2.32, 1376.66) =	1.6311	Pr =	0.191				
Region							
UP/NW/NE (n=95)	20.7	[12.4,32.4]	79.3	[67.6,87.6]	0.0		100.0
W/E Central/E (n=162)	26.6	[19.5,35.3]	72.2	[63.5,79.6]	1.1	[0.2,7.4]	100.0
S Central/SW/SE (n=151)	18.7	[12.5,26.9]	81.3	[73.1,87.5]	0.0		100.0
Detroit Metro (n=198)	19.4	[13.8,26.5]	80.6	[73.5,86.2]	0.0		100.0
Pearson: Uncorrected chi2(6) =	9.1908						
Design-based F(4.27, 2537.40) =	1.5413	Pr =	0.184				
Total (n=606)	21.4	[17.8,25.5]	78.3	[74.2,81.9]	0.3	[0.0,2.1]	100.0

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

Universe: All respondents

	Yes		Asthma No		Total Row%
	Row%	95%CI	Row%	95%CI	
Age					
19-34 (n=220)	17.1	[11.9,24.1]	82.9	[75.9,88.1]	100.0
35-50 (n=178)	11.9	[7.5,18.5]	88.1	[81.5,92.5]	100.0
51-64 (n=209)	6.6	[4.0,10.9]	93.4	[89.1,96.0]	100.0
Pearson: Uncorrected chi2(2) =	10.2582				
Design-based F(1.90, 1130.83) =	4.2666	Pr =	0.016		
Gender					
Male (n=326)	11.7	[8.1,16.5]	88.3	[83.5,91.9]	100.0
Female (n=281)	14.1	[9.9,19.6]	85.9	[80.4,90.1]	100.0
Pearson: Uncorrected chi2(1) =	0.7472				
Design-based F(1.00, 595.00) =	0.5564	Pr =	0.456		
Race/ethnicity					
White, non-Hispanic (n=401)	14.3	[10.5,19.2]	85.7	[80.8,89.5]	100.0
Black, non-Hispanic (n=114)	8.3	[4.4,15.3]	91.7	[84.7,95.6]	100.0
Hispanic (n=33)	9.6	[3.9,22.0]	90.4	[78.0,96.1]	100.0
Other, non-Hispanic (n=54)	9.8	[4.2,21.1]	90.2	[78.9,95.8]	100.0
Pearson: Uncorrected chi2(3) =	4.0236				
Design-based F(2.90, 1712.81) =	1.2595	Pr =	0.287		
FPL category					
0-35% (n=239)	11.5	[7.9,16.4]	88.5	[83.6,92.1]	100.0
36-99% (n=192)	18.6	[13.6,24.8]	81.4	[75.2,86.4]	100.0
100%+ (n=176)	10.8	[7.1,16.0]	89.2	[84.0,92.9]	100.0
Pearson: Uncorrected chi2(2) =	4.0824				
Design-based F(1.74, 1034.85) =	2.8155	Pr =	0.068		
Region					
UP/NW/NE (n=95)	5.3	[2.6,10.5]	94.7	[89.5,97.4]	100.0
W/E Central/E (n=163)	13.3	[8.6,19.9]	86.7	[80.1,91.4]	100.0
S Central/SW/SE (n=151)	20.1	[12.9,29.9]	79.9	[70.1,87.1]	100.0
Detroit Metro (n=198)	9.7	[5.8,15.8]	90.3	[84.2,94.2]	100.0
Pearson: Uncorrected chi2(3) =	11.5763				
Design-based F(2.51, 1495.80) =	3.3991	Pr =	0.024		
Total (n=607)	12.6	[9.8,16.1]	87.4	[83.9,90.2]	100.0

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

Universe: All respondents

	Diabetes						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=220)	1.3	[0.4,4.1]	98.7	[95.9,99.6]	0.0		100.0
35-50 (n=178)	6.0	[3.1,11.2]	94.0	[88.8,96.9]	0.0		100.0
51-64 (n=209)	16.2	[11.1,23.2]	82.7	[75.6,88.0]	1.1	[0.2,5.3]	100.0
Pearson: Uncorrected chi2(4) =	40.3463						
Design-based F(3.93, 2335.66) =	7.7296	Pr =	0.000				
Gender							
Male (n=326)	5.1	[3.1,8.4]	94.4	[91.0,96.5]	0.5	[0.1,2.5]	100.0
Female (n=281)	10.0	[6.6,14.9]	90.0	[85.1,93.4]	0.0		100.0
Pearson: Uncorrected chi2(2) =	6.2100						
Design-based F(2.00, 1189.34) =	2.4697	Pr =	0.085				
Race/ethnicity							
White, non-Hispanic (n=401)	7.5	[5.0,11.1]	92.5	[88.9,95.0]	0.0		100.0
Black, non-Hispanic (n=114)	8.1	[4.1,15.1]	90.8	[83.5,95.1]	1.1	[0.2,7.2]	100.0
Hispanic (n=33)	1.8	[0.5,6.3]	98.2	[93.7,99.5]	0.0		100.0
Other, non-Hispanic (n=54)	4.9	[2.1,10.6]	94.6	[88.7,97.5]	0.6	[0.1,3.4]	100.0
Pearson: Uncorrected chi2(6) =	6.7022						
Design-based F(4.22, 2492.08) =	1.1970	Pr =	0.310				
FPL category							
0-35% (n=239)	7.7	[5.1,11.4]	92.0	[88.2,94.6]	0.4	[0.1,2.4]	100.0
36-99% (n=192)	6.1	[3.8,9.7]	93.9	[90.3,96.2]	0.0		100.0
100%+ (n=176)	4.1	[2.2,7.4]	95.5	[92.1,97.5]	0.4	[0.1,2.2]	100.0
Pearson: Uncorrected chi2(4) =	1.8007						
Design-based F(2.61, 1553.44) =	0.6767	Pr =	0.546				
Region							
UP/NW/NE (n=95)	4.8	[2.1,10.5]	95.2	[89.5,97.9]	0.0		100.0
W/E Central/E (n=163)	7.0	[3.8,12.6]	92.8	[87.2,96.1]	0.2	[0.0,1.0]	100.0
S Central/SW/SE (n=151)	5.7	[3.0,10.4]	94.3	[89.6,97.0]	0.0		100.0
Detroit Metro (n=198)	8.1	[4.8,13.4]	91.3	[85.8,94.7]	0.6	[0.1,4.2]	100.0
Pearson: Uncorrected chi2(6) =	2.8500						
Design-based F(4.28, 2546.19) =	0.6020	Pr =	0.672				
Total (n=607)	7.0	[5.0,9.5]	92.7	[90.1,94.7]	0.3	[0.1,1.5]	100.0

3.2.8 Q: Has a doctor or other health professional ever told you that you had chronic lung disease, such as chronic bronchitis, COPD or emphysema?

Universe: All respondents

	Chronic lung disease						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=220)	2.7	[1.4,5.1]	97.3	[94.9,98.6]	0.0		100.0
35-50 (n=178)	6.9	[3.4,13.3]	92.7	[86.3,96.2]	0.4	[0.1,2.6]	100.0
51-64 (n=209)	13.5	[9.2,19.5]	85.1	[78.8,89.7]	1.4	[0.3,5.6]	100.0
Pearson: Uncorrected chi2(4) =	22.4684						
Design-based F(3.68, 2188.68) =	5.3990	Pr =	0.000				
Gender							
Male (n=326)	5.2	[3.1,8.7]	93.9	[90.4,96.2]	0.8	[0.3,2.6]	100.0
Female (n=281)	10.0	[6.9,14.4]	90.0	[85.6,93.1]	0.0		100.0
Pearson: Uncorrected chi2(2) =	6.7745						
Design-based F(2.00, 1188.91) =	2.9566	Pr =	0.052				
Race/ethnicity							
White, non-Hispanic (n=401)	7.8	[5.3,11.3]	92.0	[88.4,94.5]	0.2	[0.0,1.5]	100.0
Black, non-Hispanic (n=114)	5.4	[2.6,10.8]	92.9	[86.9,96.3]	1.7	[0.4,6.7]	100.0
Hispanic (n=33)	5.6	[1.9,15.0]	94.4	[85.0,98.1]	0.0		100.0
Other, non-Hispanic (n=54)	5.4	[1.4,19.0]	94.6	[81.0,98.6]	0.0		100.0
Pearson: Uncorrected chi2(6) =	5.8179						
Design-based F(5.47, 3225.79) =	0.8584	Pr =	0.516				
FPL category							
0-35% (n=239)	6.4	[4.1,10.0]	93.0	[89.4,95.4]	0.6	[0.1,2.3]	100.0
36-99% (n=192)	8.8	[5.7,13.2]	90.5	[85.8,93.7]	0.8	[0.1,4.6]	100.0
100%+ (n=176)	7.9	[4.8,12.9]	92.1	[87.1,95.2]	0.0		100.0
Pearson: Uncorrected chi2(4) =	1.3468						
Design-based F(3.55, 2109.38) =	0.4270	Pr =	0.766				
Region							
UP/NW/NE (n=95)	12.6	[7.1,21.5]	85.9	[76.6,91.9]	1.5	[0.2,9.3]	100.0
W/E Central/E (n=163)	5.8	[2.9,11.2]	94.2	[88.8,97.1]	0.0		100.0
S Central/SW/SE (n=151)	7.8	[3.9,15.3]	92.2	[84.7,96.1]	0.0		100.0
Detroit Metro (n=198)	6.1	[3.6,10.1]	92.9	[88.7,95.7]	1.0	[0.2,3.9]	100.0
Pearson: Uncorrected chi2(6) =	7.1389						
Design-based F(5.07, 3016.67) =	1.2930	Pr =	0.263				
Total (n=607)	7.0	[5.1,9.5]	92.4	[89.9,94.4]	0.5	[0.2,1.7]	100.0

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

Universe: All respondents

	Heart condition or heart disease						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=220)	0.6	[0.1,3.0]	99.4	[97.0,99.9]	0.0		100.0
35-50 (n=178)	7.4	[4.1,12.9]	91.1	[84.7,95.0]	1.5	[0.2,9.4]	100.0
51-64 (n=209)	12.2	[7.8,18.7]	85.9	[79.0,90.8]	1.9	[0.5,7.1]	100.0
Pearson: Uncorrected chi2(4) =	30.3122						
Design-based F(3.51, 2089.29) =	4.7453	Pr =	0.001				
Gender							
Male (n=326)	6.3	[4.0,9.9]	92.2	[88.1,94.9]	1.5	[0.5,4.9]	100.0
Female (n=281)	5.4	[3.1,9.1]	94.5	[90.8,96.8]	0.1	[0.0,0.7]	100.0
Pearson: Uncorrected chi2(2) =	3.0868						
Design-based F(1.50, 895.39) =	2.2147	Pr =	0.124				
Race/ethnicity							
White, non-Hispanic (n=401)	8.2	[5.5,11.9]	91.0	[87.1,93.9]	0.8	[0.2,3.4]	100.0
Black, non-Hispanic (n=114)	2.4	[0.8,7.2]	97.4	[92.8,99.1]	0.2	[0.0,1.1]	100.0
Hispanic (n=33)	1.7	[0.3,9.4]	98.3	[90.6,99.7]	0.0		100.0
Other, non-Hispanic (n=54)	3.0	[1.0,8.8]	91.7	[74.4,97.7]	5.3	[0.8,28.3]	100.0
Pearson: Uncorrected chi2(6) =	19.4724						
Design-based F(4.00, 2358.16) =	2.9471	Pr =	0.019				
FPL category							
0-35% (n=239)	5.8	[3.6,9.4]	92.8	[88.8,95.5]	1.3	[0.4,4.4]	100.0
36-99% (n=192)	4.8	[2.8,8.0]	95.0	[91.7,97.0]	0.2	[0.0,1.5]	100.0
100%+ (n=176)	8.2	[5.3,12.5]	91.8	[87.5,94.7]	0.0		100.0
Pearson: Uncorrected chi2(4) =	2.8785						
Design-based F(2.33, 1387.32) =	0.8737	Pr =	0.432				
Region							
UP/NW/NE (n=95)	7.2	[3.0,16.3]	91.3	[81.7,96.1]	1.5	[0.2,9.7]	100.0
W/E Central/E (n=163)	7.3	[3.9,13.3]	92.7	[86.7,96.1]	0.0		100.0
S Central/SW/SE (n=151)	4.1	[2.0,8.3]	94.3	[88.4,97.3]	1.6	[0.2,10.0]	100.0
Detroit Metro (n=198)	5.8	[3.1,10.5]	93.0	[87.7,96.1]	1.2	[0.2,6.8]	100.0
Pearson: Uncorrected chi2(6) =	3.9571						
Design-based F(5.07, 3018.87) =	0.4715	Pr =	0.800				
Total (n=607)	6.0	[4.2,8.4]	93.1	[90.3,95.1]	1.0	[0.3,3.1]	100.0

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

Universe: All respondents

	Substance use disorder				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
Age					
19-34 (n=220)	2.9	[1.3,6.5]	97.1	[93.5,98.7]	100.0
35-50 (n=177)	7.6	[3.7,15.0]	92.4	[85.0,96.3]	100.0
51-64 (n=209)	4.9	[2.3,10.1]	95.1	[89.9,97.7]	100.0
Pearson: Uncorrected chi2(2) =	5.0525				
Design-based F(1.97, 1171.57) =	1.7236	Pr =	0.179		
Gender					
Male (n=326)	5.6	[3.2,9.6]	94.4	[90.4,96.8]	100.0
Female (n=280)	3.8	[1.9,7.4]	96.2	[92.6,98.1]	100.0
Pearson: Uncorrected chi2(1) =	0.9808				
Design-based F(1.00, 594.00) =	0.7497	Pr =	0.387		
Race/ethnicity					
White, non-Hispanic (n=401)	6.3	[3.8,10.3]	93.7	[89.7,96.2]	100.0
Black, non-Hispanic (n=114)	2.4	[0.5,10.1]	97.6	[89.9,99.5]	100.0
Hispanic (n=33)	4.6	[1.2,16.2]	95.4	[83.8,98.8]	100.0
Other, non-Hispanic (n=53)	2.5	[0.4,15.0]	97.5	[85.0,99.6]	100.0
Pearson: Uncorrected chi2(3) =	4.0342				
Design-based F(2.72, 1603.24) =	0.9952	Pr =	0.389		
FPL category					
0-35% (n=238)	5.7	[3.3,9.6]	94.3	[90.4,96.7]	100.0
36-99% (n=192)	2.7	[1.2,6.2]	97.3	[93.8,98.8]	100.0
100%+ (n=176)	3.4	[1.4,7.9]	96.6	[92.1,98.6]	100.0
Pearson: Uncorrected chi2(2) =	1.9894				
Design-based F(1.93, 1145.19) =	1.5229	Pr =	0.219		
Region					
UP/NW/NE (n=95)	3.9	[1.4,10.2]	96.1	[89.8,98.6]	100.0
W/E Central/E (n=162)	4.9	[2.0,11.6]	95.1	[88.4,98.0]	100.0
S Central/SW/SE (n=151)	6.1	[2.6,13.6]	93.9	[86.4,97.4]	100.0
Detroit Metro (n=198)	4.5	[2.1,9.4]	95.5	[90.6,97.9]	100.0
Pearson: Uncorrected chi2(3) =	0.6464				
Design-based F(2.67, 1587.31) =	0.1594	Pr =	0.906		
Total (n=606)	4.9	[3.1,7.6]	95.1	[92.4,96.9]	100.0

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

Universe: All respondents

	Yes		No		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=220)	1.1	[0.4,3.4]	98.9	[96.6,99.6]	0.0		100.0
35-50 (n=178)	6.4	[3.1,12.8]	93.3	[87.0,96.7]	0.3	[0.0,1.8]	100.0
51-64 (n=209)	6.9	[3.9,11.9]	91.0	[85.0,94.7]	2.1	[0.5,8.0]	100.0
Pearson: Uncorrected chi2(4) =	18.4741						
Design-based F(3.41, 2028.31) =	4.0222	Pr =	0.005				
Gender							
Male (n=326)	2.6	[1.2,5.5]	96.4	[93.1,98.1]	1.0	[0.2,3.7]	100.0
Female (n=281)	7.2	[4.3,12.0]	92.5	[87.8,95.5]	0.2	[0.0,1.5]	100.0
Pearson: Uncorrected chi2(2) =	8.1765						
Design-based F(1.76, 1045.81) =	3.9844	Pr =	0.023				
Race/ethnicity							
White, non-Hispanic (n=401)	5.9	[3.7,9.3]	93.4	[89.8,95.8]	0.7	[0.2,3.3]	100.0
Black, non-Hispanic (n=114)	0.0		98.9	[92.8,99.8]	1.1	[0.2,7.2]	100.0
Hispanic (n=33)	10.7	[3.2,30.1]	89.3	[69.9,96.8]	0.0		100.0
Other, non-Hispanic (n=54)	0.6	[0.1,3.5]	99.4	[96.5,99.9]	0.0		100.0
Pearson: Uncorrected chi2(6) =	14.8709						
Design-based F(5.26, 3104.01) =	1.8699	Pr =	0.092				
FPL category							
0-35% (n=239)	4.4	[2.4,7.7]	94.8	[91.2,96.9]	0.9	[0.2,3.3]	100.0
36-99% (n=192)	4.4	[2.4,8.1]	95.0	[91.2,97.3]	0.5	[0.1,3.2]	100.0
100%+ (n=176)	4.2	[2.2,7.9]	95.8	[92.1,97.8]	0.0		100.0
Pearson: Uncorrected chi2(4) =	0.7532						
Design-based F(2.89, 1719.90) =	0.2224	Pr =	0.874				
Region							
UP/NW/NE (n=95)	4.8	[1.9,11.2]	95.2	[88.8,98.1]	0.0		100.0
W/E Central/E (n=163)	9.9	[5.4,17.4]	90.1	[82.6,94.6]	0.0		100.0
S Central/SW/SE (n=151)	3.9	[1.6,8.9]	94.5	[88.1,97.6]	1.6	[0.2,10.0]	100.0
Detroit Metro (n=198)	0.7	[0.3,1.8]	98.4	[96.1,99.4]	0.9	[0.2,3.8]	100.0
Pearson: Uncorrected chi2(6) =	23.4382						
Design-based F(4.33, 2579.23) =	4.0701	Pr =	0.002				
Total (n=607)	4.4	[2.8,6.6]	95.0	[92.5,96.6]	0.7	[0.2,2.3]	100.0

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

Universe: All respondents

	Yes		Stroke No		Total Row%
	Row%	95%CI	Row%	95%CI	
Age					
19-34 (n=220)	0.2	[0.0,1.4]	99.8	[98.6,100.0]	100.0
35-50 (n=178)	0.5	[0.1,1.8]	99.5	[98.2,99.9]	100.0
51-64 (n=209)	6.8	[3.6,12.6]	93.2	[87.4,96.4]	100.0
Pearson: Uncorrected chi2(2) =	24.4206				
Design-based F(1.97, 1174.92) =	25.3601	Pr =	0.000		
Gender					
Male (n=326)	2.1	[1.0,4.6]	97.9	[95.4,99.0]	100.0
Female (n=281)	2.3	[1.0,5.3]	97.7	[94.7,99.0]	100.0
Pearson: Uncorrected chi2(1) =	0.0177				
Design-based F(1.00, 595.00) =	0.0159	Pr =	0.900		
Race/ethnicity					
White, non-Hispanic (n=401)	2.3	[1.1,4.9]	97.7	[95.1,98.9]	100.0
Black, non-Hispanic (n=114)	1.5	[0.3,6.5]	98.5	[93.5,99.7]	100.0
Hispanic (n=33)	0.0		100.0		100.0
Other, non-Hispanic (n=54)	4.4	[1.3,13.3]	95.6	[86.7,98.7]	100.0
Pearson: Uncorrected chi2(3) =	2.3864				
Design-based F(2.90, 1709.08) =	0.6897	Pr =	0.553		
FPL category					
0-35% (n=239)	2.3	[1.0,4.8]	97.7	[95.2,99.0]	100.0
36-99% (n=192)	2.4	[1.1,5.1]	97.6	[94.9,98.9]	100.0
100%+ (n=176)	1.3	[0.5,3.6]	98.7	[96.4,99.5]	100.0
Pearson: Uncorrected chi2(2) =	0.3264				
Design-based F(1.76, 1049.68) =	0.3342	Pr =	0.689		
Region					
UP/NW/NE (n=95)	1.5	[0.3,6.4]	98.5	[93.6,99.7]	100.0
W/E Central/E (n=163)	3.8	[1.5,9.2]	96.2	[90.8,98.5]	100.0
S Central/SW/SE (n=151)	1.5	[0.5,3.9]	98.5	[96.1,99.5]	100.0
Detroit Metro (n=198)	1.6	[0.5,4.8]	98.4	[95.2,99.5]	100.0
Pearson: Uncorrected chi2(3) =	2.7800				
Design-based F(2.54, 1512.10) =	1.0851	Pr =	0.348		
Total (n=607)	2.2	[1.2,3.9]	97.8	[96.1,98.8]	100.0

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

Universe: All respondents

	Other chronic condition						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=220)	15.5	[10.6,22.0]	84.3	[77.8,89.2]	0.2	[0.0,1.3]	100.0
35-50 (n=178)	30.4	[23.0,39.0]	69.6	[61.0,77.0]	0.0		100.0
51-64 (n=209)	28.2	[21.6,36.0]	71.8	[64.0,78.4]	0.0		100.0
Pearson: Uncorrected chi2(4) =	16.6458						
Design-based F(3.53, 2100.00) =	3.6083	Pr =	0.009				
Gender							
Male (n=326)	21.6	[16.9,27.3]	78.4	[72.7,83.1]	0.0		100.0
Female (n=281)	26.9	[21.2,33.6]	72.8	[66.2,78.6]	0.2	[0.0,1.4]	100.0
Pearson: Uncorrected chi2(2) =	3.1676						
Design-based F(1.60, 953.33) =	1.7735	Pr =	0.177				
Race/ethnicity							
White, non-Hispanic (n=401)	27.5	[22.6,33.1]	72.3	[66.7,77.3]	0.1	[0.0,0.9]	100.0
Black, non-Hispanic (n=114)	14.2	[8.5,22.7]	85.8	[77.3,91.5]	0.0		100.0
Hispanic (n=33)	18.7	[7.8,38.4]	81.3	[61.6,92.2]	0.0		100.0
Other, non-Hispanic (n=54)	26.2	[13.9,43.8]	73.8	[56.2,86.1]	0.0		100.0
Pearson: Uncorrected chi2(6) =	11.0957						
Design-based F(5.46, 3219.86) =	1.3617	Pr =	0.231				
FPL category							
0-35% (n=239)	23.4	[18.4,29.2]	76.6	[70.8,81.6]	0.0		100.0
36-99% (n=192)	26.7	[21.0,33.4]	72.8	[66.1,78.5]	0.5	[0.1,3.0]	100.0
100%+ (n=176)	20.6	[15.6,26.6]	79.4	[73.4,84.4]	0.0		100.0
Pearson: Uncorrected chi2(4) =	3.6365						
Design-based F(2.89, 1719.66) =	1.9815	Pr =	0.117				
Region							
UP/NW/NE (n=95)	33.9	[23.3,46.5]	66.1	[53.5,76.7]	0.0		100.0
W/E Central/E (n=163)	28.1	[20.5,37.2]	71.9	[62.8,79.5]	0.0		100.0
S Central/SW/SE (n=151)	23.0	[15.9,32.0]	76.6	[67.6,83.7]	0.4	[0.1,2.4]	100.0
Detroit Metro (n=198)	18.4	[13.0,25.3]	81.6	[74.7,87.0]	0.0		100.0
Pearson: Uncorrected chi2(6) =	10.9961						
Design-based F(3.98, 2367.20) =	2.3441	Pr =	0.053				
Total (n=607)	23.6	[19.8,27.8]	76.3	[72.1,80.1]	0.1	[0.0,0.5]	100.0

3.2.14 Q: What is the condition?

Universe: Respondents who indicated other chronic condition (n = 156)

	Weighted Proportion	95%CI
Other (various) (n=127)	82.0	[73.1, 88.4]
Back pain (n=15)	10.2	[5.6, 17.9]
Thyroid/hypo-thyroid (n=13)	6.8	[3.5, 12.7]
Cholesterol (n=11)	5.8	[2.6, 12.7]
Allergies (n=3)	2.4	[0.7, 8.2]

Note: Respondents were able to provide multiple responses

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

4.1 Q: How did you receive information about how much you will need to pay to be in the Healthy Michigan Plan?

Universe: All respondents (n = 607)

	Weighted Proportion	95%CI
Letter/enrollment packet from State/health plan (n=349)	55.6	[50.7, 60.4]
None- did not get any cost info (n=105)	16.9	[13.6, 20.8]
Other (n=47)	9.0	[6.4, 12.6]
On phone at enrollment (n=46)	7.8	[5.7, 10.7]
Caseworker/other person helping enroll (n=48)	7.4	[5.3, 10.3]
Don't know (n=39)	6.8	[4.8, 9.6]

Note: Respondents were able to provide multiple responses

4.2 Q: Do you know about any ways to reduce the amount you might have to pay?

Universe: All respondents (n = 607)

	Weighted Proportion	95%CI
None mentioned (n=581)	96.4	[94.4, 97.7]
Other (n=14)	2.0	[1.1, 3.7]
Complete the HRA (n=7)	0.8	[0.3, 1.8]
Use preventive care/do the healthy behavior (n=5)	0.5	[0.2, 1.8]
Use generic drugs (n=1)	0.3	[0.0, 1.8]

Note: Respondents were able to provide multiple responses

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

Universe: All respondents

	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	
Age							
19-34 (n=220)	32.5	[25.5,40.3]	15.5	[10.5,22.2]	52.1	[44.1,60.0]	100.0
35-50 (n=178)	27.6	[20.4,36.2]	19.8	[13.5,28.1]	52.6	[43.6,61.4]	100.0
51-64 (n=207)	28.9	[22.1,36.9]	18.6	[12.9,26.1]	52.4	[44.2,60.5]	100.0
Pearson: Uncorrected chi2(4) =	2.1732						
Design-based F(3.96, 2348.53) =	0.3695	Pr =	0.829				
Gender							
Male (n=325)	30.4	[24.8,36.6]	16.5	[12.2,22.0]	53.1	[46.6,59.5]	100.0
Female (n=280)	29.3	[23.2,36.2]	19.6	[14.4,26.1]	51.1	[43.9,58.2]	100.0
Pearson: Uncorrected chi2(2) =	0.9501						
Design-based F(2.00, 1184.87) =	0.3379	Pr =	0.713				
Race/ethnicity							
White, non-Hispanic (n=399)	31.3	[26.0,37.1]	18.4	[14.0,23.8]	50.3	[44.2,56.3]	100.0
Black, non-Hispanic (n=114)	28.1	[19.6,38.7]	12.2	[7.1,20.1]	59.7	[49.0,69.5]	100.0
Hispanic (n=33)	14.8	[7.1,28.2]	28.5	[13.7,50.0]	56.8	[36.7,74.8]	100.0
Other, non-Hispanic (n=54)	39.2	[24.3,56.4]	13.5	[6.0,27.5]	47.3	[31.6,63.6]	100.0
Pearson: Uncorrected chi2(6) =	12.5767						
Design-based F(5.74, 3375.46) =	1.4818	Pr =	0.183				
FPL category							
0-35% (n=239)	27.7	[22.2,34.0]	19.4	[14.7,25.1]	52.9	[46.3,59.4]	100.0
36-99% (n=192)	36.4	[30.0,43.3]	13.5	[9.2,19.4]	50.1	[43.2,57.0]	100.0
100%+ (n=174)	34.0	[27.3,41.5]	13.8	[9.8,19.1]	52.2	[44.7,59.5]	100.0
Pearson: Uncorrected chi2(4) =	5.0170						
Design-based F(3.58, 2123.73) =	1.8472	Pr =	0.125				
Region							
UP/NW/NE (n=95)	29.7	[18.9,43.3]	15.3	[8.3,26.6]	55.0	[41.9,67.4]	100.0
W/E Central/E (n=162)	36.0	[27.7,45.2]	16.0	[10.5,23.5]	48.0	[39.0,57.2]	100.0
S Central/SW/SE (n=150)	33.1	[24.1,43.6]	14.3	[8.7,22.7]	52.5	[42.6,62.3]	100.0
Detroit Metro (n=198)	24.2	[18.2,31.4]	21.2	[15.1,29.0]	54.6	[46.4,62.5]	100.0
Pearson: Uncorrected chi2(6) =	9.1705						
Design-based F(5.84, 3464.29) =	1.1389	Pr =	0.337				
Total (n=605)	30.0	[25.8,34.6]	17.7	[14.2,21.8]	52.3	[47.4,57.2]	100.0

4.4 Q: I may get a reduction in the amount I might have to pay if I complete a health risk assessment.

Universe: All respondents

	May get reduction by completing HRA						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=220)	34.2	[27.1,42.1]	7.9	[4.5,13.4]	57.9	[49.9,65.5]	100.0
35-50 (n=178)	31.4	[23.8,40.2]	12.0	[7.2,19.4]	56.6	[47.6,65.1]	100.0
51-64 (n=207)	33.3	[26.0,41.4]	13.3	[8.5,20.2]	53.4	[45.1,61.5]	100.0
Pearson: Uncorrected chi2(4) =	3.8385						
Design-based F(3.97, 2352.79) =	0.6500	Pr =	0.626				
Gender							
Male (n=325)	35.1	[29.3,41.5]	11.1	[7.6,15.9]	53.8	[47.3,60.1]	100.0
Female (n=280)	29.7	[23.6,36.5]	10.0	[6.5,15.1]	60.4	[53.2,67.1]	100.0
Pearson: Uncorrected chi2(2) =	2.5234						
Design-based F(2.00, 1185.43) =	0.9427	Pr =	0.390				
Race/ethnicity							
White, non-Hispanic (n=399)	34.0	[28.6,39.9]	10.9	[7.5,15.6]	55.1	[49.0,61.0]	100.0
Black, non-Hispanic (n=114)	33.3	[24.0,44.0]	5.2	[2.4,11.1]	61.5	[50.8,71.2]	100.0
Hispanic (n=33)	16.4	[7.2,33.3]	24.1	[10.6,46.0]	59.5	[39.2,77.0]	100.0
Other, non-Hispanic (n=54)	37.0	[22.5,54.2]	13.3	[6.1,26.7]	49.7	[33.7,65.8]	100.0
Pearson: Uncorrected chi2(6) =	15.7812						
Design-based F(5.85, 3439.23) =	1.8380	Pr =	0.090				
FPL category							
0-35% (n=239)	31.5	[25.7,37.9]	10.7	[7.3,15.5]	57.8	[51.2,64.1]	100.0
36-99% (n=192)	31.7	[25.6,38.4]	11.4	[7.4,17.2]	56.9	[49.9,63.6]	100.0
100%+ (n=174)	43.9	[36.6,51.5]	9.4	[5.7,15.1]	46.7	[39.5,54.1]	100.0
Pearson: Uncorrected chi2(4) =	4.6988						
Design-based F(3.64, 2158.87) =	1.6267	Pr =	0.171				
Region							
UP/NW/NE (n=95)	31.7	[22.2,43.1]	16.2	[7.5,31.6]	52.1	[39.3,64.7]	100.0
W/E Central/E (n=162)	29.5	[22.0,38.2]	9.0	[5.3,15.1]	61.5	[52.5,69.8]	100.0
S Central/SW/SE (n=150)	33.9	[25.0,44.0]	9.3	[4.8,17.4]	56.8	[46.7,66.4]	100.0
Detroit Metro (n=198)	35.5	[28.1,43.7]	11.2	[7.0,17.4]	53.3	[45.1,61.3]	100.0
Pearson: Uncorrected chi2(6) =	4.9338						
Design-based F(5.78, 3429.66) =	0.5984	Pr =	0.726				
Total (n=605)	33.1	[28.7,37.8]	10.7	[8.0,14.1]	56.2	[51.4,61.0]	100.0

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

Universe: All respondents

	Some kinds of visits, tests, and medicines have no copays						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=220)	63.8	[55.8,71.1]	6.4	[3.6,11.1]	29.8	[22.9,37.8]	100.0
35-50 (n=178)	71.3	[62.9,78.5]	6.2	[3.0,12.2]	22.5	[16.1,30.4]	100.0
51-64 (n=207)	70.7	[62.7,77.6]	6.0	[3.0,11.6]	23.3	[17.1,30.8]	100.0
Pearson: Uncorrected chi2(4) =	3.9521						
Design-based F(3.97, 2355.55) =	0.7009	Pr =	0.590				
Gender							
Male (n=325)	63.8	[57.4,69.8]	7.0	[4.4,10.8]	29.2	[23.7,35.5]	100.0
Female (n=280)	75.1	[68.4,80.8]	5.0	[2.6,9.3]	19.9	[14.8,26.2]	100.0
Pearson: Uncorrected chi2(2) =	8.3082						
Design-based F(2.00, 1185.85) =	3.1129	Pr =	0.045				
Race/ethnicity							
White, non-Hispanic (n=399)	64.8	[58.8,70.4]	5.8	[3.5,9.4]	29.4	[24.1,35.3]	100.0
Black, non-Hispanic (n=114)	73.3	[63.0,81.6]	8.4	[4.3,15.9]	18.3	[11.4,28.1]	100.0
Hispanic (n=33)	87.6	[73.9,94.6]	0.0		12.4	[5.4,26.1]	100.0
Other, non-Hispanic (n=54)	59.5	[42.4,74.6]	8.7	[3.1,21.9]	31.8	[18.0,49.8]	100.0
Pearson: Uncorrected chi2(6) =	16.2859						
Design-based F(5.77, 3392.56) =	1.9340	Pr =	0.075				
FPL category							
0-35% (n=239)	67.8	[61.4,73.6]	5.8	[3.4,9.8]	26.4	[21.0,32.6]	100.0
36-99% (n=192)	65.4	[58.3,71.9]	6.4	[3.7,10.8]	28.2	[22.2,35.2]	100.0
100%+ (n=174)	72.9	[66.1,78.8]	8.2	[5.0,13.2]	18.9	[14.0,24.9]	100.0
Pearson: Uncorrected chi2(4) =	2.6995						
Design-based F(3.56, 2109.99) =	0.9691	Pr =	0.417				
Region							
UP/NW/NE (n=95)	57.0	[43.6,69.5]	7.9	[2.2,25.0]	35.0	[23.3,48.8]	100.0
W/E Central/E (n=162)	71.9	[63.3,79.2]	4.9	[2.4,9.8]	23.2	[16.5,31.6]	100.0
S Central/SW/SE (n=150)	68.4	[58.5,76.9]	5.4	[2.6,11.0]	26.2	[18.3,36.0]	100.0
Detroit Metro (n=198)	67.8	[59.7,75.0]	7.1	[4.0,12.4]	25.1	[18.5,33.0]	100.0
Pearson: Uncorrected chi2(6) =	5.0436						
Design-based F(5.72, 3394.91) =	0.5975	Pr =	0.725				
Total (n=605)	68.0	[63.3,72.4]	6.2	[4.3,9.0]	25.7	[21.7,30.3]	100.0

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

Universe: All respondents

	Discounts for improving health is a good idea												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	
Age													
19-34 (n=220)	39.6	[32.1,47.7]	48.3	[40.5,56.2]	11.3	[7.5,16.6]	0.4	[0.1,1.5]	0.1	[0.0,0.7]	0.2	[0.0,1.3]	100.0
35-50 (n=178)	41.7	[33.1,50.8]	43.0	[34.6,51.9]	9.6	[5.5,16.5]	3.4	[1.3,8.5]	1.9	[0.5,7.4]	0.3	[0.0,1.7]	100.0
51-64 (n=206)	41.2	[33.4,49.5]	43.4	[35.5,51.6]	13.4	[8.7,20.3]	0.5	[0.2,1.9]	0.6	[0.2,2.2]	0.8	[0.1,5.2]	100.0
Pearson: Uncorrected chi2(10) =	15.5883												
Design-based F(8.03, 4755.43) =	1.7171		Pr =	0.089									
Gender													
Male (n=325)	42.3	[36.0,48.8]	44.1	[37.8,50.6]	10.2	[7.0,14.5]	1.9	[0.8,4.4]	1.1	[0.3,3.6]	0.5	[0.1,2.1]	100.0
Female (n=279)	38.1	[31.3,45.4]	47.4	[40.3,54.6]	13.5	[9.3,19.2]	0.5	[0.1,1.7]	0.3	[0.1,1.2]	0.2	[0.0,1.4]	100.0
Pearson: Uncorrected chi2(5) =	5.7103												
Design-based F(4.14, 2452.66) =	1.2963		Pr =	0.268									
Race/ethnicity													
White, non-Hispanic (n=399)	39.3	[33.5,45.3]	46.2	[40.3,52.2]	11.9	[8.7,16.1]	1.0	[0.3,3.9]	1.0	[0.3,3.7]	0.7	[0.2,2.2]	100.0
Black, non-Hispanic (n=114)	40.1	[30.2,50.9]	44.1	[33.9,54.9]	13.9	[8.0,23.1]	1.5	[0.4,6.2]	0.3	[0.1,1.9]	0.0		100.0
Hispanic (n=33)	35.9	[18.8,57.6]	59.3	[38.5,77.2]	3.8	[0.8,15.9]	1.0	[0.2,5.4]	0.0		0.0		100.0
Other, non-Hispanic (n=53)	55.3	[39.1,70.5]	33.8	[20.8,49.8]	5.6	[1.4,19.5]	4.1	[1.6,10.1]	1.2	[0.2,7.0]	0.0		100.0
Pearson: Uncorrected chi2(15) =	16.4049												
Design-based F(12.62, 7407.98) =	0.9264		Pr =	0.522									
FPL category													
0-35% (n=239)	42.0	[35.7,48.7]	44.9	[38.5,51.5]	11.0	[7.6,15.6]	0.9	[0.2,3.7]	0.8	[0.2,3.3]	0.3	[0.0,2.1]	100.0
36-99% (n=191)	34.9	[28.6,41.7]	51.4	[44.5,58.3]	9.8	[6.2,15.1]	2.8	[1.2,6.2]	0.6	[0.1,3.5]	0.5	[0.1,3.1]	100.0
100%+ (n=174)	41.2	[34.1,48.7]	39.3	[32.4,46.6]	16.0	[11.4,22.1]	1.8	[0.6,5.1]	1.0	[0.3,3.5]	0.7	[0.1,4.0]	100.0
Pearson: Uncorrected chi2(10) =	6.8611												
Design-based F(8.65, 5119.11) =	0.9869		Pr =	0.447									
Region													
UP/NW/NE (n=95)	43.3	[31.0,56.5]	47.0	[34.5,59.9]	9.7	[4.7,18.8]	0.0		0.0		0.0		100.0
W/E Central/E (n=162)	36.7	[28.3,45.9]	46.5	[37.6,55.8]	12.9	[8.0,20.2]	3.0	[1.0,9.0]	0.0		0.8	[0.1,5.3]	100.0
S Central/SW/SE (n=150)	47.8	[38.0,57.8]	38.2	[29.2,48.2]	11.5	[7.2,17.9]	0.8	[0.2,2.9]	1.3	[0.3,6.0]	0.4	[0.1,2.4]	100.0
Detroit Metro (n=197)	39.0	[31.3,47.3]	47.9	[39.9,56.0]	10.7	[6.6,16.9]	0.9	[0.4,2.1]	1.3	[0.3,5.0]	0.2	[0.0,1.3]	100.0
Pearson: Uncorrected chi2(15) =	14.1515												
Design-based F(12.12, 7176.86) =	0.9290		Pr =	0.517									
Total (n=604)	40.7	[36.0,45.6]	45.3	[40.5,50.2]	11.4	[8.7,14.7]	1.4	[0.6,2.9]	0.8	[0.3,2.3]	0.4	[0.1,1.3]	100.0

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

Universe: All respondents

	Eyeglasses covered						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=220)	42.6	[34.9,50.7]	14.0	[9.5,20.2]	43.4	[35.7,51.4]	100.0
35-50 (n=177)	50.6	[41.7,59.4]	8.5	[4.8,14.4]	41.0	[32.5,50.0]	100.0
51-64 (n=209)	54.9	[46.6,62.9]	6.6	[3.8,11.3]	38.5	[30.7,46.9]	100.0
Pearson: Uncorrected chi2(4) =	10.2967						
Design-based F(3.91, 2321.22) =	1.9049	Pr =	0.109				
Gender							
Male (n=325)	43.5	[37.2,50.0]	9.8	[6.7,14.3]	46.7	[40.3,53.2]	100.0
Female (n=281)	56.9	[49.8,63.7]	10.9	[7.4,15.8]	32.2	[26.0,39.1]	100.0
Pearson: Uncorrected chi2(2) =	12.6504						
Design-based F(2.00, 1186.25) =	4.8179	Pr =	0.008				
Race/ethnicity							
White, non-Hispanic (n=401)	44.0	[38.1,50.0]	13.1	[9.6,17.7]	42.9	[37.0,49.0]	100.0
Black, non-Hispanic (n=114)	59.0	[48.2,69.0]	6.5	[2.9,14.1]	34.5	[25.2,45.3]	100.0
Hispanic (n=33)	61.3	[41.9,77.7]	4.8	[1.3,16.5]	33.9	[18.8,53.1]	100.0
Other, non-Hispanic (n=53)	44.6	[29.1,61.2]	4.5	[1.9,10.5]	50.9	[34.8,66.8]	100.0
Pearson: Uncorrected chi2(6) =	17.3189						
Design-based F(5.40, 3181.91) =	2.2885	Pr =	0.039				
FPL category							
0-35% (n=239)	49.9	[43.4,56.4]	8.3	[5.2,12.8]	41.8	[35.5,48.4]	100.0
36-99% (n=192)	42.4	[35.7,49.4]	16.3	[11.7,22.2]	41.4	[34.6,48.5]	100.0
100%+ (n=175)	48.9	[41.6,56.2]	13.1	[8.6,19.4]	38.0	[31.1,45.5]	100.0
Pearson: Uncorrected chi2(4) =	7.0689						
Design-based F(3.53, 2096.96) =	2.3544	Pr =	0.060				
Region							
UP/NW/NE (n=95)	37.8	[27.1,49.9]	13.5	[6.1,27.0]	48.7	[36.1,61.5]	100.0
W/E Central/E (n=163)	52.1	[43.0,61.0]	9.5	[5.6,15.8]	38.4	[30.0,47.6]	100.0
S Central/SW/SE (n=151)	41.0	[31.7,50.9]	10.1	[5.9,16.6]	49.0	[39.2,58.8]	100.0
Detroit Metro (n=197)	52.6	[44.5,60.7]	10.1	[6.2,16.0]	37.3	[29.7,45.5]	100.0
Pearson: Uncorrected chi2(6) =	8.9160						
Design-based F(5.82, 3454.27) =	1.1349	Pr =	0.339				
Total (n=606)	48.5	[43.7,53.3]	10.2	[7.7,13.4]	41.3	[36.6,46.1]	100.0

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

Universe: All respondents

	Prescription medications covered						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=220)	83.8	[77.2,88.8]	1.2	[0.5,3.0]	15.0	[10.2,21.6]	100.0
35-50 (n=177)	86.4	[78.9,91.5]	1.3	[0.3,6.4]	12.3	[7.5,19.5]	100.0
51-64 (n=209)	88.5	[82.2,92.8]	0.5	[0.2,1.3]	11.0	[6.8,17.4]	100.0
Pearson: Uncorrected chi2(4) =	2.3626						
Design-based F(3.36, 1997.23) =	0.5291	Pr =	0.683				
Gender							
Male (n=325)	82.9	[77.6,87.1]	0.7	[0.2,1.9]	16.5	[12.3,21.7]	100.0
Female (n=281)	91.0	[85.8,94.4]	1.6	[0.5,4.8]	7.4	[4.3,12.3]	100.0
Pearson: Uncorrected chi2(2) =	11.4768						
Design-based F(1.93, 1144.70) =	5.0153	Pr =	0.007				
Race/ethnicity							
White, non-Hispanic (n=401)	86.3	[81.4,90.1]	0.5	[0.2,1.4]	13.2	[9.4,18.1]	100.0
Black, non-Hispanic (n=114)	84.5	[75.4,90.7]	0.8	[0.3,2.4]	14.7	[8.6,23.9]	100.0
Hispanic (n=33)	92.4	[79.7,97.4]	0.0		7.6	[2.6,20.3]	100.0
Other, non-Hispanic (n=53)	80.8	[66.1,90.0]	6.1	[1.5,21.5]	13.2	[6.3,25.5]	100.0
Pearson: Uncorrected chi2(6) =	15.2447						
Design-based F(4.95, 2912.97) =	2.4926	Pr =	0.030				
FPL category							
0-35% (n=239)	86.2	[81.0,90.1]	0.5	[0.1,3.2]	13.3	[9.5,18.4]	100.0
36-99% (n=192)	86.4	[80.3,90.9]	2.0	[0.7,5.7]	11.6	[7.5,17.5]	100.0
100%+ (n=175)	83.6	[77.0,88.6]	2.8	[1.1,7.0]	13.6	[9.0,19.9]	100.0
Pearson: Uncorrected chi2(4) =	4.8573						
Design-based F(3.38, 2005.37) =	1.3671	Pr =	0.248				
Region							
UP/NW/NE (n=95)	75.1	[59.6,86.1]	1.3	[0.4,4.4]	23.6	[12.8,39.4]	100.0
W/E Central/E (n=163)	87.1	[80.5,91.7]	0.9	[0.2,3.5]	12.0	[7.5,18.5]	100.0
S Central/SW/SE (n=151)	86.3	[78.0,91.8]	0.3	[0.1,1.9]	13.3	[7.9,21.7]	100.0
Detroit Metro (n=197)	87.4	[80.8,91.9]	1.4	[0.4,4.7]	11.2	[6.9,17.6]	100.0
Pearson: Uncorrected chi2(6) =	7.6496						
Design-based F(4.89, 2902.51) =	1.2422	Pr =	0.287				
Total (n=606)	85.9	[82.2,89.0]	1.0	[0.5,2.2]	13.1	[10.1,16.7]	100.0

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

Universe: All respondents

	Routine dental care covered						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=220)	63.5	[55.5,70.7]	12.7	[8.1,19.4]	23.9	[17.9,31.1]	100.0
35-50 (n=177)	63.4	[54.4,71.5]	4.9	[2.4,9.9]	31.7	[23.9,40.6]	100.0
51-64 (n=208)	64.8	[56.6,72.2]	0.8	[0.2,2.8]	34.4	[27.0,42.6]	100.0
Pearson: Uncorrected chi2(4) =	26.5809						
Design-based F(3.67, 2178.80) =	5.4257	Pr =	0.000				
Gender							
Male (n=325)	60.4	[54.0,66.5]	8.4	[5.4,12.9]	31.2	[25.6,37.4]	100.0
Female (n=280)	69.6	[62.5,75.8]	4.5	[2.2,9.3]	25.9	[20.2,32.6]	100.0
Pearson: Uncorrected chi2(2) =	6.2735						
Design-based F(1.99, 1179.01) =	2.1721	Pr =	0.115				
Race/ethnicity							
White, non-Hispanic (n=401)	62.1	[56.0,67.8]	8.5	[5.5,12.9]	29.4	[24.3,35.2]	100.0
Black, non-Hispanic (n=113)	71.5	[60.9,80.1]	4.7	[1.6,13.0]	23.8	[16.0,33.9]	100.0
Hispanic (n=33)	69.0	[49.2,83.6]	9.8	[2.7,30.2]	21.2	[10.3,38.8]	100.0
Other, non-Hispanic (n=53)	53.2	[36.7,69.0]	0.6	[0.1,3.7]	46.2	[30.5,62.7]	100.0
Pearson: Uncorrected chi2(6) =	15.3923						
Design-based F(5.21, 3065.52) =	1.8717	Pr =	0.093				
FPL category							
0-35% (n=239)	64.8	[58.3,70.8]	6.3	[3.6,10.8]	28.9	[23.4,35.2]	100.0
36-99% (n=191)	63.7	[56.7,70.1]	7.2	[4.2,12.1]	29.1	[23.2,35.8]	100.0
100%+ (n=175)	58.5	[50.9,65.8]	10.6	[6.2,17.6]	30.9	[24.3,38.3]	100.0
Pearson: Uncorrected chi2(4) =	2.2399						
Design-based F(3.54, 2100.04) =	0.6997	Pr =	0.575				
Region							
UP/NW/NE (n=95)	53.9	[40.7,66.5]	8.2	[2.5,23.7]	37.9	[26.0,51.5]	100.0
W/E Central/E (n=163)	66.7	[57.8,74.6]	7.5	[3.7,14.8]	25.8	[18.9,34.1]	100.0
S Central/SW/SE (n=151)	58.6	[48.5,68.0]	7.1	[3.3,14.8]	34.3	[25.4,44.4]	100.0
Detroit Metro (n=196)	67.0	[59.0,74.2]	6.2	[3.3,11.5]	26.7	[20.2,34.5]	100.0
Pearson: Uncorrected chi2(6) =	6.3599						
Design-based F(5.86, 3472.91) =	0.7063	Pr =	0.641				
Total (n=605)	63.8	[59.0,68.3]	7.0	[4.8,10.1]	29.2	[25.0,33.8]	100.0

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

Universe: All respondents

	Treatment to stop smoking covered						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=220)	28.6	[22.0,36.3]	12.6	[8.0,19.5]	58.7	[50.6,66.4]	100.0
35-50 (n=177)	34.9	[26.8,43.9]	6.7	[3.5,12.7]	58.4	[49.4,66.9]	100.0
51-64 (n=209)	43.5	[35.7,51.7]	2.7	[0.9,7.6]	53.7	[45.6,61.7]	100.0
Pearson: Uncorrected chi2(4) =	20.0123						
Design-based F(3.97, 2357.25) =	3.4028	Pr =	0.009				
Gender							
Male (n=325)	36.6	[30.5,43.1]	8.3	[5.3,12.8]	55.1	[48.6,61.5]	100.0
Female (n=281)	31.6	[25.6,38.4]	7.6	[4.2,13.6]	60.7	[53.6,67.5]	100.0
Pearson: Uncorrected chi2(2) =	1.8616						
Design-based F(1.96, 1165.61) =	0.6112	Pr =	0.540				
Race/ethnicity							
White, non-Hispanic (n=401)	35.5	[30.0,41.5]	4.3	[2.4,7.7]	60.1	[54.1,65.8]	100.0
Black, non-Hispanic (n=114)	33.4	[24.2,44.1]	11.2	[5.7,20.9]	55.4	[44.6,65.7]	100.0
Hispanic (n=33)	27.7	[12.8,50.1]	19.7	[8.0,41.1]	52.5	[32.5,71.8]	100.0
Other, non-Hispanic (n=53)	34.1	[20.1,51.4]	17.8	[7.7,36.0]	48.2	[32.3,64.5]	100.0
Pearson: Uncorrected chi2(6) =	22.8618						
Design-based F(5.95, 3501.79) =	2.2682	Pr =	0.035				
FPL category							
0-35% (n=239)	34.9	[28.9,41.4]	8.3	[5.1,13.1]	56.8	[50.2,63.2]	100.0
36-99% (n=192)	33.6	[27.4,40.5]	4.9	[2.4,9.9]	61.5	[54.4,68.1]	100.0
100%+ (n=175)	35.2	[28.8,42.2]	11.1	[7.2,16.7]	53.7	[46.4,60.8]	100.0
Pearson: Uncorrected chi2(4) =	2.7588						
Design-based F(3.62, 2150.76) =	0.9312	Pr =	0.438				
Region							
UP/NW/NE (n=95)	37.5	[26.2,50.2]	8.1	[2.4,23.8]	54.4	[41.4,66.8]	100.0
W/E Central/E (n=163)	39.8	[31.2,49.0]	6.7	[3.1,14.1]	53.5	[44.3,62.4]	100.0
S Central/SW/SE (n=151)	37.3	[28.1,47.5]	4.4	[1.7,10.8]	58.3	[48.2,67.8]	100.0
Detroit Metro (n=197)	29.2	[22.3,37.2]	10.9	[6.7,17.4]	59.9	[51.6,67.6]	100.0
Pearson: Uncorrected chi2(6) =	9.7747						
Design-based F(5.79, 3440.71) =	1.0776	Pr =	0.373				
Total (n=606)	34.7	[30.3,39.5]	8.0	[5.6,11.4]	57.2	[52.3,62.0]	100.0

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

Universe: All respondents

	Birth control or family planning covered						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=220)	54.7	[46.7,62.5]	1.8	[0.9,3.8]	43.4	[35.7,51.5]	100.0
35-50 (n=177)	43.8	[35.2,52.8]	8.3	[4.2,15.6]	47.9	[39.2,56.7]	100.0
51-64 (n=208)	45.7	[37.8,53.9]	1.9	[0.6,5.6]	52.4	[44.2,60.4]	100.0
Pearson: Uncorrected chi2(4) =	18.6925						
Design-based F(3.82, 2262.31) =	3.7900	Pr =	0.005				
Gender							
Male (n=325)	40.8	[34.5,47.3]	5.1	[2.9,8.7]	54.1	[47.6,60.5]	100.0
Female (n=280)	62.4	[55.4,68.9]	1.7	[0.6,4.8]	35.9	[29.6,42.8]	100.0
Pearson: Uncorrected chi2(2) =	27.7986						
Design-based F(2.00, 1183.82) =	10.7572	Pr =	0.000				
Race/ethnicity							
White, non-Hispanic (n=400)	48.4	[42.4,54.5]	2.2	[1.1,4.6]	49.3	[43.3,55.4]	100.0
Black, non-Hispanic (n=114)	53.9	[43.2,64.3]	6.6	[2.7,15.6]	39.5	[29.6,50.3]	100.0
Hispanic (n=33)	35.1	[19.2,55.2]	7.0	[2.2,19.8]	57.9	[37.9,75.6]	100.0
Other, non-Hispanic (n=53)	45.7	[29.9,62.5]	5.3	[1.2,20.2]	48.9	[32.9,65.2]	100.0
Pearson: Uncorrected chi2(6) =	12.0098						
Design-based F(5.83, 3428.89) =	1.3580	Pr =	0.229				
FPL category							
0-35% (n=239)	50.2	[43.6,56.8]	3.4	[1.6,7.0]	46.4	[39.9,53.0]	100.0
36-99% (n=192)	43.6	[36.8,50.6]	4.7	[2.3,9.4]	51.7	[44.7,58.7]	100.0
100%+ (n=174)	48.6	[41.2,56.0]	5.0	[2.6,9.3]	46.4	[39.2,53.8]	100.0
Pearson: Uncorrected chi2(4) =	1.9858						
Design-based F(3.52, 2087.80) =	0.6545	Pr =	0.604				
Region							
UP/NW/NE (n=94)	41.4	[29.3,54.7]	2.0	[0.4,8.9]	56.6	[43.4,68.9]	100.0
W/E Central/E (n=163)	48.6	[39.6,57.8]	1.2	[0.4,3.7]	50.2	[41.1,59.2]	100.0
S Central/SW/SE (n=151)	48.1	[38.4,58.0]	2.4	[0.7,7.4]	49.5	[39.7,59.3]	100.0
Detroit Metro (n=197)	51.2	[43.1,59.3]	6.8	[3.6,12.5]	42.0	[34.2,50.2]	100.0
Pearson: Uncorrected chi2(6) =	13.9297						
Design-based F(5.57, 3304.07) =	2.0305	Pr =	0.064				
Total (n=605)	48.9	[44.0,53.8]	3.8	[2.3,6.2]	47.3	[42.5,52.2]	100.0

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

Universe: All respondents

	Counseling for mental or emotional problems covered						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=220)	49.6	[41.7,57.5]	6.4	[3.8,10.5]	44.0	[36.3,52.1]	100.0
35-50 (n=177)	56.0	[47.0,64.5]	4.7	[1.9,11.1]	39.4	[31.2,48.2]	100.0
51-64 (n=209)	56.8	[48.6,64.6]	0.7	[0.3,1.6]	42.5	[34.8,50.7]	100.0
Pearson: Uncorrected chi2(4) =	9.7109						
Design-based F(3.33, 1977.69) =	2.0214	Pr =	0.102				
Gender							
Male (n=325)	50.0	[43.5,56.4]	4.7	[2.7,8.2]	45.3	[39.0,51.8]	100.0
Female (n=281)	59.5	[52.6,66.2]	3.4	[1.8,6.4]	37.0	[30.6,44.0]	100.0
Pearson: Uncorrected chi2(2) =	5.2719						
Design-based F(1.97, 1171.79) =	2.1812	Pr =	0.114				
Race/ethnicity							
White, non-Hispanic (n=401)	55.6	[49.7,61.4]	2.2	[1.2,4.2]	42.1	[36.4,48.1]	100.0
Black, non-Hispanic (n=114)	50.3	[39.7,60.8]	9.4	[4.6,18.4]	40.3	[30.4,51.0]	100.0
Hispanic (n=33)	54.7	[34.2,73.7]	4.9	[1.3,17.1]	40.4	[22.2,61.8]	100.0
Other, non-Hispanic (n=53)	48.8	[32.8,65.0]	3.4	[1.0,11.1]	47.8	[32.0,64.1]	100.0
Pearson: Uncorrected chi2(6) =	14.0033						
Design-based F(5.52, 3253.79) =	1.7769	Pr =	0.106				
FPL category							
0-35% (n=239)	56.6	[50.0,63.0]	2.8	[1.2,6.4]	40.6	[34.4,47.1]	100.0
36-99% (n=192)	42.0	[35.4,49.0]	8.1	[4.6,13.2]	49.9	[42.9,56.9]	100.0
100%+ (n=175)	52.1	[44.7,59.4]	7.2	[3.9,12.8]	40.7	[33.7,48.2]	100.0
Pearson: Uncorrected chi2(4) =	12.5249						
Design-based F(3.30, 1962.98) =	3.7148	Pr =	0.009				
Region							
UP/NW/NE (n=95)	43.8	[31.6,56.7]	3.0	[1.2,7.4]	53.3	[40.5,65.6]	100.0
W/E Central/E (n=163)	52.1	[43.0,61.1]	1.8	[0.7,4.2]	46.1	[37.2,55.3]	100.0
S Central/SW/SE (n=151)	52.5	[42.5,62.2]	2.8	[0.9,8.6]	44.7	[35.1,54.7]	100.0
Detroit Metro (n=197)	57.5	[49.4,65.2]	7.0	[3.9,12.3]	35.5	[28.2,43.6]	100.0
Pearson: Uncorrected chi2(6) =	14.6474						
Design-based F(5.31, 3152.82) =	2.2146	Pr =	0.046				
Total (n=606)	53.6	[48.7,58.3]	4.2	[2.7,6.5]	42.2	[37.5,47.0]	100.0

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

Universe: All respondents

	Substance use treatment covered						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=220)	32.3	[25.4,40.1]	5.2	[3.1,8.4]	62.5	[54.7,69.7]	100.0
35-50 (n=177)	45.8	[37.1,54.9]	5.4	[2.4,11.5]	48.8	[40.0,57.6]	100.0
51-64 (n=209)	53.3	[45.2,61.2]	0.3	[0.1,1.2]	46.4	[38.5,54.4]	100.0
Pearson: Uncorrected chi2(4) =	25.1945						
Design-based F(3.32, 1970.07) =	5.6584	Pr =	0.000				
Gender							
Male (n=325)	44.8	[38.5,51.4]	4.1	[2.4,6.9]	51.1	[44.6,57.5]	100.0
Female (n=281)	38.2	[31.6,45.3]	3.5	[1.6,7.2]	58.3	[51.3,65.0]	100.0
Pearson: Uncorrected chi2(2) =	3.0133						
Design-based F(1.99, 1182.20) =	1.1819	Pr =	0.307				
Race/ethnicity							
White, non-Hispanic (n=401)	43.7	[37.8,49.8]	2.4	[1.4,4.3]	53.8	[47.8,59.8]	100.0
Black, non-Hispanic (n=114)	45.0	[34.7,55.7]	5.9	[2.5,13.2]	49.1	[38.7,59.7]	100.0
Hispanic (n=33)	25.2	[12.4,44.7]	5.8	[1.6,19.4]	68.9	[49.4,83.5]	100.0
Other, non-Hispanic (n=53)	39.5	[24.4,56.9]	7.6	[2.4,21.5]	53.0	[36.4,68.9]	100.0
Pearson: Uncorrected chi2(6) =	10.9913						
Design-based F(5.83, 3436.12) =	1.3362	Pr =	0.239				
FPL category							
0-35% (n=239)	44.1	[37.8,50.7]	2.0	[0.8,5.2]	53.8	[47.3,60.2]	100.0
36-99% (n=192)	34.5	[28.3,41.4]	7.4	[4.1,12.8]	58.1	[51.0,64.9]	100.0
100%+ (n=175)	43.0	[36.0,50.3]	9.2	[5.5,15.1]	47.8	[40.5,55.1]	100.0
Pearson: Uncorrected chi2(4) =	15.3404						
Design-based F(3.27, 1944.66) =	4.4758	Pr =	0.003				
Region							
UP/NW/NE (n=95)	42.0	[29.9,55.1]	1.4	[0.5,3.8]	56.6	[43.6,68.7]	100.0
W/E Central/E (n=163)	38.1	[29.7,47.3]	2.6	[1.2,5.5]	59.3	[50.1,67.9]	100.0
S Central/SW/SE (n=151)	39.3	[30.1,49.3]	1.9	[0.9,4.1]	58.8	[48.9,68.0]	100.0
Detroit Metro (n=197)	47.0	[39.0,55.2]	6.4	[3.5,11.3]	46.6	[38.5,54.8]	100.0
Pearson: Uncorrected chi2(6) =	13.4024						
Design-based F(4.77, 2830.77) =	2.3449	Pr =	0.042				
Total (n=606)	42.4	[37.6,47.2]	3.9	[2.5,5.9]	53.8	[48.9,58.5]	100.0

4.14 Q: Have you had any questions or difficulties using your Healthy Michigan Plan insurance so far?

Universe: All respondents

	Yes		No		Questions or difficulties NA- haven't tried to get care		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age									
19-34 (n=220)	15.9	[11.1,22.3]	79.6	[72.7,85.1]	3.5	[1.7,7.4]	1.0	[0.1,6.4]	100.0
35-50 (n=178)	15.6	[9.8,23.9]	74.4	[65.3,81.7]	10.0	[5.6,17.4]	0.0		100.0
51-64 (n=209)	16.1	[11.0,22.9]	77.7	[70.3,83.8]	6.1	[3.1,11.8]	0.0		100.0
Pearson: Uncorrected chi2(6) =	11.0653								
Design-based F(5.70, 3390.61) =	1.1691	Pr =	0.320						
Gender									
Male (n=326)	16.0	[11.8,21.4]	75.6	[69.7,80.7]	7.7	[5.0,11.7]	0.6	[0.1,4.3]	100.0
Female (n=281)	15.6	[11.2,21.4]	80.6	[74.3,85.7]	3.7	[1.6,8.7]	0.0		100.0
Pearson: Uncorrected chi2(3) =	5.5773								
Design-based F(2.84, 1689.51) =	1.0526	Pr =	0.366						
Race/ethnicity									
White, non-Hispanic (n=401)	17.6	[13.4,22.7]	74.9	[69.3,79.8]	7.5	[4.8,11.5]	0.0		100.0
Black, non-Hispanic (n=114)	12.1	[6.6,20.9]	81.2	[71.0,88.5]	4.9	[1.7,13.5]	1.8	[0.3,11.1]	100.0
Hispanic (n=33)	10.1	[3.1,28.2]	89.9	[71.8,96.9]	0.0		0.0		100.0
Other, non-Hispanic (n=54)	19.3	[9.1,36.5]	74.8	[57.9,86.4]	5.9	[1.9,16.9]	0.0		100.0
Pearson: Uncorrected chi2(9) =	16.3723								
Design-based F(8.54, 5039.73) =	1.1227	Pr =	0.343						
FPL category									
0-35% (n=239)	16.4	[12.1,21.8]	76.5	[70.5,81.6]	6.5	[3.9,10.6]	0.6	[0.1,3.8]	100.0
36-99% (n=192)	15.3	[10.9,21.0]	79.1	[72.7,84.3]	5.6	[3.0,10.2]	0.0		100.0
100%+ (n=176)	13.7	[9.7,18.9]	80.7	[74.6,85.5]	5.7	[3.1,10.1]	0.0		100.0
Pearson: Uncorrected chi2(6) =	1.7122								
Design-based F(3.48, 2067.95) =	0.3379	Pr =	0.827						
Region									
UP/NW/NE (n=95)	24.3	[14.7,37.5]	62.8	[49.5,74.5]	12.9	[6.1,25.0]	0.0		100.0
W/E Central/E (n=163)	13.2	[8.4,20.1]	80.2	[72.3,86.2]	6.7	[3.5,12.6]	0.0		100.0
S Central/SW/SE (n=151)	16.7	[10.7,25.2]	77.4	[67.9,84.6]	5.9	[2.4,13.9]	0.0		100.0
Detroit Metro (n=198)	15.3	[10.1,22.5]	79.2	[71.4,85.3]	4.5	[2.0,9.8]	1.0	[0.1,6.5]	100.0
Pearson: Uncorrected chi2(9) =	14.2870								
Design-based F(7.04, 4188.22) =	1.2642	Pr =	0.264						
Total (n=607)	15.9	[12.6,19.8]	77.5	[73.1,81.3]	6.2	[4.2,9.1]	0.4	[0.1,2.7]	100.0

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

Universe: Respondents who had questions or difficulties with using the Healthy Michigan Plan (n = 97)

	Weighted Proportion	95%CI
Difficulty/inability finding a provider (n=47)	48.6	[36.3, 61.1]
Other (n=13)	17.7	[9.6, 30.4]
Needed a service that wasn't covered (n=17)	17.5	[10.2, 28.5]
Difficulty finding out information (n=16)	13.5	[7.6, 23.0]
Problem with Medicaid/HMP ID card (n=6)	3.1	[1.4, 6.7]
Disenrolled/declared ineligible but don't know why (n=2)	2.9	[0.6, 12.3]
Difficulty getting appointment (n=1)	2.8	[0.4, 17.2]
Payment issues: charged incorrectly/too much (n=3)	2.4	[0.6, 9.6]
Inaccurate information from/problem with Medicaid health plan (n=4)	2.1	[0.9, 4.8]
Payment issues: trouble making payments (n=2)	1.7	[0.4, 6.7]
Transportation/logistics (n=1)	0.3	[0.0, 1.9]

Note: Respondents were able to provide multiple responses

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

5.1 Q: In the 12 months before enrolling in the Healthy Michigan Plan, was there a place that you usually would go for a checkup, when you felt sick, or when you wanted advice about your health?

Universe: All respondents

	Yes		No		Regular source of care prior to HMP		N/A: did not need care		Total Row%
	Row%	95%CI	Row%	95%CI	Don't know Row%	95%CI	Row%	95%CI	
Age									
19-34 (n=220)	62.8	[54.7,70.2]	32.5	[25.3,40.6]	0.3	[0.0,1.6]	4.5	[2.1,9.2]	100.0
35-50 (n=178)	59.4	[50.2,68.0]	34.4	[26.3,43.6]	1.3	[0.2,8.3]	4.9	[2.1,11.0]	100.0
51-64 (n=209)	69.1	[60.8,76.3]	30.3	[23.1,38.6]	0.0		0.6	[0.2,1.6]	100.0
Pearson: Uncorrected chi2(6) =	11.1482								
Design-based F(4.76, 2834.49) =	1.4181	Pr =	0.217						
Gender									
Male (n=326)	53.6	[47.1,60.0]	40.4	[34.2,47.0]	0.6	[0.1,4.2]	5.4	[3.1,9.2]	100.0
Female (n=281)	80.2	[74.1,85.2]	19.2	[14.2,25.3]	0.3	[0.0,1.7]	0.3	[0.1,1.2]	100.0
Pearson: Uncorrected chi2(3) =	46.2416								
Design-based F(2.50, 1487.71) =	17.7703	Pr =	0.000						
Race/ethnicity									
White, non-Hispanic (n=401)	65.6	[59.5,71.2]	31.2	[25.8,37.3]	0.0		3.2	[1.6,6.2]	100.0
Black, non-Hispanic (n=114)	60.8	[49.8,70.7]	32.8	[23.4,43.8]	2.2	[0.5,9.7]	4.3	[1.3,13.2]	100.0
Hispanic (n=33)	58.5	[37.8,76.5]	38.5	[21.0,59.5]	0.0		3.1	[0.5,17.0]	100.0
Other, non-Hispanic (n=54)	61.4	[44.3,76.0]	34.1	[20.1,51.5]	0.0		4.5	[1.1,17.4]	100.0
Pearson: Uncorrected chi2(9) =	11.8647								
Design-based F(8.72, 5145.00) =	0.8220	Pr =	0.592						
FPL category									
0-35% (n=239)	61.2	[54.6,67.5]	34.8	[28.8,41.4]	0.6	[0.1,3.7]	3.4	[1.6,7.0]	100.0
36-99% (n=192)	69.7	[62.7,75.9]	25.3	[19.6,31.9]	0.6	[0.1,3.7]	4.4	[2.0,9.3]	100.0
100%+ (n=176)	68.1	[60.7,74.7]	29.2	[22.8,36.5]	0.0		2.7	[1.2,6.0]	100.0
Pearson: Uncorrected chi2(6) =	4.7100								
Design-based F(4.24, 2524.42) =	0.8227	Pr =	0.517						
Region									
UP/NW/NE (n=95)	60.6	[46.7,73.0]	36.0	[23.8,50.3]	0.0		3.4	[0.9,12.1]	100.0
W/E Central/E (n=163)	65.6	[56.4,73.8]	28.8	[21.2,37.8]	0.0		5.5	[2.4,12.1]	100.0
S Central/SW/SE (n=151)	73.3	[63.2,81.4]	25.0	[17.0,35.0]	0.5	[0.1,2.9]	1.2	[0.2,7.9]	100.0
Detroit Metro (n=198)	57.5	[49.2,65.4]	38.2	[30.5,46.5]	1.0	[0.1,6.4]	3.3	[1.3,8.1]	100.0
Pearson: Uncorrected chi2(9) =	15.5533								
Design-based F(7.38, 4388.14) =	1.3293	Pr =	0.229						
Total (n=607)	63.5	[58.6,68.2]	32.5	[28.0,37.3]	0.5	[0.1,2.3]	3.5	[2.0,5.9]	100.0

5.1.1 Q: What kind of a place was it?

Universe: Respondents who had a regular source of care prior to HMP (n = 417)

	Type of regular source of care										
	A clinic		Doctor's office		Urgent care/walk-in clinic		Emergency room		Other place		Total
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%
Age											
19-34 (n=151)	9.2	[5.0,16.4]	50.6	[41.0,60.2]	27.4	[19.7,36.9]	11.3	[6.4,19.1]	1.4	[0.4,5.7]	100.0
35-50 (n=114)	18.4	[11.3,28.4]	55.9	[44.6,66.6]	15.8	[9.3,25.6]	7.6	[3.5,16.0]	2.3	[0.3,13.9]	100.0
51-64 (n=152)	13.6	[8.3,21.4]	67.5	[58.0,75.7]	7.3	[3.8,13.3]	8.1	[4.1,15.3]	3.6	[1.3,9.7]	100.0
Pearson: Uncorrected chi2(8) =	27.8979										
Design-based F(7.64, 3094.98) =	2.3493	Pr =	0.018								
Gender											
Male (n=192)	11.5	[7.3,17.6]	52.7	[44.2,60.9]	18.3	[12.5,25.9]	13.7	[8.8,20.6]	3.9	[1.6,9.2]	100.0
Female (n=225)	15.0	[9.9,22.0]	62.4	[54.3,69.9]	17.7	[12.3,24.8]	4.3	[2.1,8.7]	0.6	[0.2,1.6]	100.0
Pearson: Uncorrected chi2(4) =	17.4927										
Design-based F(3.56, 1442.70) =	3.7326	Pr =	0.007								
Race/ethnicity											
White, non-Hispanic (n=277)	12.2	[8.3,17.8]	63.3	[56.0,70.0]	17.2	[12.3,23.7]	5.2	[2.9,9.1]	2.1	[0.7,5.8]	100.0
Black, non-Hispanic (n=80)	15.7	[8.6,26.9]	44.9	[32.6,58.0]	26.0	[15.9,39.4]	11.1	[5.5,21.1]	2.3	[0.3,14.2]	100.0
Hispanic (n=21)	19.0	[5.0,51.0]	37.4	[16.3,64.7]	9.3	[3.2,24.1]	32.7	[12.5,62.4]	1.7	[0.3,9.3]	100.0
Other, non-Hispanic (n=35)	9.2	[3.6,21.9]	60.0	[40.4,76.8]	10.1	[4.1,22.9]	15.7	[5.5,37.5]	5.0	[0.7,26.9]	100.0
Pearson: Uncorrected chi2(12) =	35.9903										
Design-based F(10.38, 4161.11) =	2.1905	Pr =	0.014								
FPL category											
0-35% (n=154)	13.7	[9.1,20.2]	58.3	[50.0,66.1]	16.7	[11.2,24.1]	8.7	[5.0,14.7]	2.6	[1.0,7.1]	100.0
36-99% (n=139)	12.5	[8.1,18.8]	58.2	[49.8,66.1]	19.5	[13.6,27.3]	8.0	[4.3,14.4]	1.8	[0.6,5.1]	100.0
100%+ (n=124)	11.3	[7.1,17.7]	51.0	[42.6,59.3]	22.4	[15.7,30.8]	13.7	[8.1,22.3]	1.5	[0.4,4.9]	100.0
Pearson: Uncorrected chi2(8) =	3.5337										
Design-based F(6.98, 2824.94) =	0.6053	Pr =	0.751								
Region											
UP/NW/NE (n=66)	17.6	[9.7,29.8]	47.9	[33.7,62.4]	21.5	[11.9,35.9]	9.8	[3.5,24.4]	3.2	[0.7,13.8]	100.0
W/E Central/E (n=112)	13.3	[7.3,23.1]	66.6	[55.1,76.3]	15.0	[8.5,25.1]	5.1	[1.9,13.4]	0.0		100.0
S Central/SW/SE (n=112)	12.1	[6.5,21.2]	51.7	[40.4,62.8]	17.7	[10.3,28.6]	16.2	[9.0,27.3]	2.4	[0.6,9.0]	100.0
Detroit Metro (n=127)	12.6	[7.2,21.2]	56.2	[45.7,66.1]	19.7	[12.7,29.3]	7.6	[3.9,14.5]	3.9	[1.2,11.4]	100.0
Pearson: Uncorrected chi2(12) =	17.4300										
Design-based F(11.16, 4519.56) =	1.0790	Pr =	0.374								
Total (n=417)	13.1	[9.7,17.6]	57.3	[51.4,63.0]	18.0	[13.8,23.1]	9.3	[6.3,13.3]	2.3	[1.0,5.1]	100.0

5.2 Q: In the 12 months before enrolling in the Healthy Michigan Plan, was there any time when you didn't get the health care you needed?

Universe: All respondents

	Forgone health care prior to HMP						Total Row%
	Yes Row%	95%CI	No Row%	95%CI	Don't know Row%	95%CI	
Age							
19-34 (n=220)	21.4	[15.6,28.6]	76.7	[69.3,82.8]	1.9	[0.6,5.5]	100.0
35-50 (n=178)	17.4	[12.0,24.5]	82.0	[74.9,87.4]	0.6	[0.1,3.6]	100.0
51-64 (n=209)	22.2	[16.4,29.2]	77.8	[70.8,83.6]	0.0		100.0
Pearson: Uncorrected chi2(4) =	5.7331						
Design-based F(3.88, 2307.31) =	1.1390	Pr =	0.336				
Gender							
Male (n=326)	17.6	[13.4,22.7]	81.7	[76.5,86.0]	0.7	[0.3,2.2]	100.0
Female (n=281)	25.2	[19.4,31.9]	73.5	[66.6,79.4]	1.3	[0.3,6.0]	100.0
Pearson: Uncorrected chi2(2) =	5.7636						
Design-based F(2.00, 1189.86) =	2.1611	Pr =	0.116				
Race/ethnicity							
White, non-Hispanic (n=401)	19.8	[15.6,24.8]	80.0	[75.0,84.2]	0.2	[0.0,1.2]	100.0
Black, non-Hispanic (n=114)	19.9	[12.9,29.4]	80.1	[70.6,87.1]	0.0		100.0
Hispanic (n=33)	20.4	[8.0,43.0]	70.5	[48.5,85.9]	9.1	[2.2,30.4]	100.0
Other, non-Hispanic (n=54)	20.4	[10.9,34.9]	76.5	[61.9,86.7]	3.1	[0.8,11.4]	100.0
Pearson: Uncorrected chi2(6) =	33.2417						
Design-based F(5.27, 3107.73) =	4.2957	Pr =	0.001				
FPL category							
0-35% (n=239)	19.2	[14.6,24.8]	80.3	[74.6,84.9]	0.6	[0.1,3.7]	100.0
36-99% (n=192)	21.4	[16.4,27.5]	75.6	[69.1,81.2]	2.9	[1.0,8.2]	100.0
100%+ (n=176)	25.6	[19.7,32.6]	73.8	[66.8,79.7]	0.6	[0.1,3.1]	100.0
Pearson: Uncorrected chi2(4) =	6.9246						
Design-based F(2.96, 1763.09) =	2.0073	Pr =	0.112				
Region							
UP/NW/NE (n=95)	25.3	[15.8,38.1]	73.8	[61.1,83.5]	0.8	[0.2,4.1]	100.0
W/E Central/E (n=163)	19.4	[13.5,27.2]	78.8	[70.7,85.1]	1.8	[0.4,8.0]	100.0
S Central/SW/SE (n=151)	21.2	[14.2,30.4]	78.8	[69.6,85.8]	0.0		100.0
Detroit Metro (n=198)	19.5	[14.0,26.4]	79.6	[72.6,85.1]	1.0	[0.3,3.3]	100.0
Pearson: Uncorrected chi2(6) =	3.6370						
Design-based F(5.16, 3071.65) =	0.5206	Pr =	0.767				
Total (n=607)	20.4	[16.9,24.4]	78.6	[74.5,82.2]	1.0	[0.4,2.5]	100.0

5.2.1 Q: What kind of care was it?

Universe: Respondents who did not receive the health care they needed prior to HMP (n = 140)

	Weighted Proportion	95%CI
Primary care (n=84)	61.1	[50.7, 70.6]
Prescription medication (n=34)	21.4	[14.5, 30.4]
Specialist care (n=22)	12.7	[7.4, 20.8]
Mental health care (n=15)	9.7	[5.2, 17.3]
Vision care (n=19)	7.8	[5.1, 11.9]
Support services (n=7)	5.0	[1.9, 12.4]
Surgery or procedure (n=4)	3.1	[0.9, 10.6]
Lab/imaging test (n=7)	3.0	[1.2, 7.3]
Other services (n=6)	1.6	[0.7, 3.3]

Note: Respondents were able to provide multiple responses

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

Universe: Respondents who did not receive the health care they needed prior to HMP (n = 140)

	Reasons for forgone health care prior to HMP							
	No insurance coverage		Cost		Other		Needed a service that wasn't covered	
	Percent	95%CI	Percent	95%CI	Percent	95%CI	Percent	95%CI
Any missed care (n=140)	63.4	[52.9, 72.7]	24.5	[17.2, 33.6]	9.9	[5.0, 18.7]	5.3	[2.7, 10.3]
Primary care (n=84)	61.4	[47.8, 73.4]	31.6	[21.9, 43.1]	9.5	[4.0, 21.1]	0.0	
Prescription medications (n=34)	76.5	[76.5, 76.5]	24.4	[24.4, 24.4]	3.7	[3.7, 3.7]	13.7	[13.7, 13.7]
Specialist care (n=22)	74.6	[74.6, 74.6]	11.6	[11.6, 11.6]	7.0	[7.0, 7.0]	5.7	[5.7, 5.7]
Vision care (n=19)	61.5	[61.5, 61.5]	36.8	[36.8, 36.8]	0.0		11.2	[11.2, 11.2]
Mental health (n=15)	46.9	[46.9, 46.9]	37.1	[37.1, 37.1]	0.0		16.1	[16.1, 16.1]

Note: Respondents were able to provide multiple responses. Reasons are not reported for support services, surgery or procedure, lab/imaging test, or other services due to sample sizes <10.

	Reasons for forgone health care prior to HMP, continued							
	Difficulty getting appointment		Transportation/logistics		Difficulty/inability finding a provider		Didn't get around to it	
	Percent	95%CI	Percent	95%CI	Percent	95%CI	Percent	95%CI
Any missed care (n=140)	4.2	[1.6, 10.5]	2.4	[0.6, 9.0]	1.9	[0.5, 6.4]	1.2	[0.4, 3.3]
Primary care (n=84)	5.8	[1.9, 16.4]	0.0		3.0	[0.8, 10.5]	1.4	[0.4, 4.9]
Prescription medications (n=34)	0.0		0.0		0.0		0.0	
Specialist care (n=22)	7.8	[7.8, 7.8]	4.3	[4.3, 4.3]	0.0		5.5	[5.5, 5.5]
Vision care (n=19)	0.0		3.1	[3.1, 3.1]	0.0		0.0	
Mental health (n=15)	0.0		16.9	[16.9, 16.9]	0.0		0.0	

Note: Respondents were able to provide multiple responses. Reasons are not reported for support services, surgery or procedure, lab/imaging test, or other services due to sample sizes <10.

5.3 Q: In the 12 months before enrolling in the Healthy Michigan Plan, was there any time when you didn't get the dental care you needed?

Universe: All respondents

	Forgone dental care prior to HMP						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=220)	32.3	[25.5,39.9]	67.5	[59.9,74.3]	0.2	[0.0,1.3]	100.0
35-50 (n=178)	32.1	[24.5,40.9]	67.6	[58.9,75.3]	0.2	[0.0,1.3]	100.0
51-64 (n=209)	41.0	[33.3,49.0]	59.0	[51.0,66.7]	0.0		100.0
Pearson: Uncorrected chi2(4) =	4.4247						
Design-based F(3.01, 1790.35) =	1.2402	Pr =	0.294				
Gender							
Male (n=326)	32.3	[26.7,38.5]	67.6	[61.4,73.2]	0.1	[0.0,0.6]	100.0
Female (n=281)	38.7	[32.0,45.8]	61.1	[53.9,67.7]	0.2	[0.0,1.4]	100.0
Pearson: Uncorrected chi2(2) =	2.7586						
Design-based F(1.52, 903.18) =	1.5923	Pr =	0.209				
Race/ethnicity							
White, non-Hispanic (n=401)	31.4	[26.3,36.9]	68.4	[62.8,73.4]	0.3	[0.1,0.9]	100.0
Black, non-Hispanic (n=114)	38.8	[29.0,49.5]	61.2	[50.5,71.0]	0.0		100.0
Hispanic (n=33)	38.0	[20.5,59.4]	62.0	[40.6,79.5]	0.0		100.0
Other, non-Hispanic (n=54)	40.2	[25.9,56.4]	59.8	[43.6,74.1]	0.0		100.0
Pearson: Uncorrected chi2(6) =	4.1822						
Design-based F(5.35, 3156.55) =	0.5076	Pr =	0.783				
FPL category							
0-35% (n=239)	32.4	[26.7,38.8]	67.6	[61.2,73.3]	0.0		100.0
36-99% (n=192)	42.7	[36.0,49.8]	56.7	[49.7,63.5]	0.5	[0.1,3.0]	100.0
100%+ (n=176)	36.4	[29.8,43.5]	63.1	[56.0,69.7]	0.5	[0.1,3.0]	100.0
Pearson: Uncorrected chi2(4) =	6.3832						
Design-based F(3.39, 2015.12) =	2.9597	Pr =	0.026				
Region							
UP/NW/NE (n=95)	43.1	[31.0,56.1]	56.9	[43.9,69.0]	0.0		100.0
W/E Central/E (n=163)	33.0	[25.4,41.6]	66.8	[58.1,74.4]	0.2	[0.0,1.4]	100.0
S Central/SW/SE (n=151)	32.0	[23.6,41.7]	67.6	[57.9,76.0]	0.4	[0.1,2.4]	100.0
Detroit Metro (n=198)	35.4	[28.0,43.4]	64.6	[56.6,72.0]	0.0		100.0
Pearson: Uncorrected chi2(6) =	3.5363						
Design-based F(4.29, 2551.16) =	0.7266	Pr =	0.583				
Total (n=607)	34.7	[30.3,39.4]	65.1	[60.5,69.5]	0.2	[0.0,0.6]	100.0

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

Universe: Respondents who did not receive the dental care they needed prior to HMP (n = 232)

	Weighted Proportion	95%CI
No insurance coverage (n=150)	64.8	[56.7, 72.2]
Cost (n=74)	29.8	[23.1, 37.4]
Needed a service that wasn't covered (n=20)	9.9	[5.9, 16.1]
Difficulty getting appointment (n=5)	2.9	[0.8, 9.5]
Didn't get around to it (n=6)	2.5	[1.1, 5.6]
Other (n=7)	1.9	[0.9, 4.0]
Difficulty/inability finding a provider (n=4)	1.7	[0.6, 4.9]
Transportation/logistics (n=2)	0.7	[0.1, 3.1]
Afraid of going to dentist/dislike dentist (n=1)	0.1	[0.0, 0.9]

Note: Respondents were able to provide multiple responses

5.4 Q: During the 12 months before you were enrolled in the Healthy Michigan Plan, about how much did you spend out-of-pocket for your own medical and dental care?

Universe: All respondents

	Less than \$50		Out of pocket costs prior to HMP				Don't know		Total Row%
	Row%	95%CI	\$51-500 Row%	95%CI	More than \$500 Row%	95%CI	Row%	95%CI	
Age									
19-34 (n=220)	23.4	[17.4,30.9]	25.9	[19.4,33.7]	12.7	[8.5,18.7]	37.9	[30.5,45.9]	100.0
35-50 (n=178)	30.7	[22.9,39.8]	16.7	[11.1,24.3]	23.0	[16.3,31.4]	29.6	[22.3,38.2]	100.0
51-64 (n=209)	26.5	[19.8,34.5]	14.2	[9.4,20.7]	21.9	[15.8,29.5]	37.4	[29.9,45.6]	100.0
Pearson: Uncorrected chi2(6) =	20.5472								
Design-based F(5.94, 3532.94) =	2.3876	Pr =	0.027						
Gender									
Male (n=326)	29.0	[23.5,35.3]	20.6	[15.7,26.6]	17.0	[12.8,22.2]	33.4	[27.6,39.7]	100.0
Female (n=281)	22.3	[16.9,29.0]	18.4	[13.5,24.5]	20.9	[15.5,27.5]	38.4	[31.7,45.6]	100.0
Pearson: Uncorrected chi2(3) =	4.9251								
Design-based F(3.00, 1784.63) =	1.1962	Pr =	0.310						
Race/ethnicity									
White, non-Hispanic (n=401)	24.4	[19.5,30.1]	19.1	[14.7,24.4]	21.4	[16.9,26.8]	35.0	[29.6,40.9]	100.0
Black, non-Hispanic (n=114)	33.0	[23.7,43.9]	24.2	[16.2,34.6]	10.0	[5.4,17.8]	32.8	[23.7,43.3]	100.0
Hispanic (n=33)	15.2	[6.2,32.8]	8.7	[3.2,21.5]	33.2	[16.9,54.9]	42.9	[24.2,63.9]	100.0
Other, non-Hispanic (n=54)	34.6	[20.9,51.4]	17.8	[7.3,37.4]	9.1	[3.8,20.3]	38.5	[24.1,55.2]	100.0
Pearson: Uncorrected chi2(9) =	25.2785								
Design-based F(8.53, 5033.16) =	1.9218	Pr =	0.048						
FPL category									
0-35% (n=239)	28.2	[22.6,34.4]	20.2	[15.3,26.1]	17.8	[13.4,23.4]	33.8	[27.9,40.3]	100.0
36-99% (n=192)	23.4	[17.9,30.0]	17.1	[12.5,23.0]	19.1	[14.2,25.1]	40.4	[33.8,47.5]	100.0
100%+ (n=176)	21.7	[16.1,28.6]	21.2	[15.9,27.7]	20.9	[15.2,28.0]	36.2	[29.5,43.4]	100.0
Pearson: Uncorrected chi2(6) =	3.3852								
Design-based F(5.45, 3242.25) =	0.8060	Pr =	0.555						
Region									
UP/NW/NE (n=95)	25.5	[15.2,39.5]	17.8	[9.7,30.3]	19.8	[11.9,31.0]	36.9	[25.6,49.9]	100.0
W/E Central/E (n=163)	28.7	[21.1,37.8]	15.2	[9.6,23.3]	19.0	[13.2,26.6]	37.0	[28.6,46.3]	100.0
S Central/SW/SE (n=151)	23.5	[16.3,32.6]	24.5	[16.7,34.4]	18.0	[11.4,27.3]	34.0	[25.4,43.8]	100.0
Detroit Metro (n=198)	26.9	[20.2,34.9]	20.8	[14.9,28.3]	18.0	[12.5,25.2]	34.3	[27.1,42.3]	100.0
Pearson: Uncorrected chi2(9) =	4.8168								
Design-based F(8.73, 5193.23) =	0.3928	Pr =	0.936						
Total (n=607)	26.5	[22.4,31.1]	19.8	[16.1,24.0]	18.4	[15.0,22.4]	35.3	[30.8,40.0]	100.0

5.5 Q: In the 12 months before enrolling in the Healthy Michigan Plan, did you have problems paying medical bills?

Universe: All respondents

	Problems paying medical bills prior to HMP						Total Row%
	Yes Row%	95%CI	No Row%	95%CI	Don't know Row%	95%CI	
Age							
19-34 (n=220)	42.4	[34.9,50.4]	56.4	[48.5,64.1]	1.1	[0.2,7.1]	100.0
35-50 (n=178)	42.6	[34.2,51.5]	57.4	[48.5,65.8]	0.0		100.0
51-64 (n=209)	50.6	[42.5,58.8]	49.4	[41.2,57.5]	0.0		100.0
Pearson: Uncorrected chi2(4) =	7.1447						
Design-based F(3.63, 2162.08) =	1.0515	Pr =	0.376				
Gender							
Male (n=326)	41.7	[35.5,48.2]	57.5	[51.1,63.8]	0.8	[0.1,4.8]	100.0
Female (n=281)	50.0	[42.8,57.1]	50.0	[42.9,57.2]	0.0		100.0
Pearson: Uncorrected chi2(2) =	5.3232						
Design-based F(1.82, 1084.58) =	1.3307	Pr =	0.264				
Race/ethnicity							
White, non-Hispanic (n=401)	40.7	[35.1,46.7]	58.5	[52.5,64.2]	0.8	[0.1,4.9]	100.0
Black, non-Hispanic (n=114)	47.7	[37.3,58.4]	52.3	[41.6,62.7]	0.0		100.0
Hispanic (n=33)	57.9	[37.7,75.7]	42.1	[24.3,62.3]	0.0		100.0
Other, non-Hispanic (n=54)	56.4	[39.9,71.6]	43.6	[28.4,60.1]	0.0		100.0
Pearson: Uncorrected chi2(6) =	9.8616						
Design-based F(5.66, 3341.04) =	0.9433	Pr =	0.459				
FPL category							
0-35% (n=239)	42.6	[36.3,49.2]	56.7	[50.1,63.1]	0.7	[0.1,4.3]	100.0
36-99% (n=192)	51.4	[44.5,58.4]	48.6	[41.6,55.5]	0.0		100.0
100%+ (n=176)	47.8	[40.6,55.2]	52.2	[44.8,59.4]	0.0		100.0
Pearson: Uncorrected chi2(4) =	3.9722						
Design-based F(2.10, 1252.18) =	0.9785	Pr =	0.380				
Region							
UP/NW/NE (n=95)	47.2	[35.1,59.6]	47.9	[35.3,60.8]	4.9	[0.7,26.3]	100.0
W/E Central/E (n=163)	44.6	[35.9,53.7]	55.4	[46.3,64.1]	0.0		100.0
S Central/SW/SE (n=151)	48.5	[38.7,58.4]	51.5	[41.6,61.3]	0.0		100.0
Detroit Metro (n=198)	42.3	[34.6,50.5]	57.7	[49.5,65.4]	0.0		100.0
Pearson: Uncorrected chi2(6) =	28.9522						
Design-based F(3.83, 2277.62) =	4.2235	Pr =	0.002				
Total (n=607)	44.8	[40.0,49.6]	54.7	[49.9,59.5]	0.5	[0.1,3.1]	100.0

5.5.1 Q: Because of these problems paying medical bills, have you or your family been contacted by a collections agency?

Universe: Respondents who had problems paying medical bills prior to HMP (n = 291)

	Contacted by a collections agency prior to HMP						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=95)	74.5	[62.7,83.6]	23.0	[14.5,34.5]	2.4	[0.4,14.8]	100.0
35-50 (n=87)	66.2	[53.4,77.0]	33.8	[23.0,46.6]	0.0		100.0
51-64 (n=109)	75.3	[64.7,83.5]	24.4	[16.1,35.0]	0.4	[0.1,2.2]	100.0
Pearson: Uncorrected chi2(4) =	6.3105						
Design-based F(3.00, 836.98) =	1.1135	Pr =	0.343				
Gender							
Male (n=146)	75.1	[66.1,82.4]	24.9	[17.6,33.9]	0.0		100.0
Female (n=145)	68.6	[58.5,77.1]	28.9	[20.8,38.6]	2.6	[0.5,13.0]	100.0
Pearson: Uncorrected chi2(2) =	5.1913						
Design-based F(1.88, 523.29) =	1.4177	Pr =	0.243				
Race/ethnicity							
White, non-Hispanic (n=187)	66.3	[57.2,74.2]	32.0	[24.3,40.9]	1.7	[0.3,10.7]	100.0
Black, non-Hispanic (n=55)	76.4	[62.0,86.5]	23.6	[13.5,38.0]	0.0		100.0
Hispanic (n=17)	100.0		0.0		0.0		100.0
Other, non-Hispanic (n=29)	71.7	[50.4,86.3]	27.3	[12.9,48.7]	1.1	[0.2,6.5]	100.0
Pearson: Uncorrected chi2(6) =	13.6318						
Design-based F(4.88, 1346.77) =	1.5560	Pr =	0.171				
FPL category							
0-35% (n=108)	73.4	[63.9,81.2]	25.1	[17.6,34.5]	1.4	[0.2,9.1]	100.0
36-99% (n=99)	66.7	[56.9,75.2]	32.7	[24.2,42.6]	0.6	[0.1,3.5]	100.0
100%+ (n=84)	75.3	[64.3,83.8]	24.7	[16.2,35.7]	0.0		100.0
Pearson: Uncorrected chi2(4) =	2.1549						
Design-based F(2.49, 695.42) =	0.4996	Pr =	0.648				
Region							
UP/NW/NE (n=52)	64.4	[49.1,77.2]	35.6	[22.8,50.9]	0.0		100.0
W/E Central/E (n=83)	71.9	[59.8,81.5]	28.1	[18.5,40.2]	0.0		100.0
S Central/SW/SE (n=67)	74.2	[58.6,85.4]	21.8	[11.9,36.5]	4.0	[0.6,23.0]	100.0
Detroit Metro (n=89)	73.7	[61.7,83.0]	26.0	[16.7,38.1]	0.3	[0.0,1.8]	100.0
Pearson: Uncorrected chi2(6) =	9.3285						
Design-based F(3.83, 1067.94) =	1.3750	Pr =	0.242				
Total (n=291)	72.4	[65.7,78.2]	26.6	[20.9,33.1]	1.1	[0.2,5.8]	100.0

5.5.2 Q: Because of these problems paying medical bills, have you or your family thought about filing for bankruptcy?

Universe: Respondents who had problems paying medical bills prior to HMP (n = 291)

	Thought about filing for bankruptcy prior to HMP				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
Age					
19-34 (n=95)	23.2	[15.0,34.1]	76.8	[65.9,85.0]	100.0
35-50 (n=87)	35.7	[24.1,49.3]	64.3	[50.7,75.9]	100.0
51-64 (n=109)	31.4	[21.5,43.2]	68.6	[56.8,78.5]	100.0
Pearson: Uncorrected chi2(2) =	3.9079				
Design-based F(1.99, 556.20) =	1.3053	Pr =	0.272		
Gender					
Male (n=146)	33.1	[24.7,42.7]	66.9	[57.3,75.3]	100.0
Female (n=145)	24.3	[16.6,34.2]	75.7	[65.8,83.4]	100.0
Pearson: Uncorrected chi2(1) =	2.6001				
Design-based F(1.00, 279.00) =	1.7708	Pr =	0.184		
Race/ethnicity					
White, non-Hispanic (n=187)	26.9	[19.8,35.5]	73.1	[64.5,80.2]	100.0
Black, non-Hispanic (n=55)	40.1	[26.1,55.9]	59.9	[44.1,73.9]	100.0
Hispanic (n=17)	11.0	[3.4,30.2]	89.0	[69.8,96.6]	100.0
Other, non-Hispanic (n=29)	30.4	[14.2,53.4]	69.6	[46.6,85.8]	100.0
Pearson: Uncorrected chi2(3) =	8.3865				
Design-based F(2.86, 789.50) =	2.0130	Pr =	0.114		
FPL category					
0-35% (n=108)	31.5	[23.2,41.2]	68.5	[58.8,76.8]	100.0
36-99% (n=99)	23.9	[16.4,33.4]	76.1	[66.6,83.6]	100.0
100%+ (n=84)	27.3	[18.4,38.4]	72.7	[61.6,81.6]	100.0
Pearson: Uncorrected chi2(2) =	1.3322				
Design-based F(1.86, 517.90) =	0.8752	Pr =	0.410		
Region					
UP/NW/NE (n=52)	11.8	[5.9,22.1]	88.2	[77.9,94.1]	100.0
W/E Central/E (n=83)	23.2	[14.4,35.1]	76.8	[64.9,85.6]	100.0
S Central/SW/SE (n=67)	27.2	[16.3,41.6]	72.8	[58.4,83.7]	100.0
Detroit Metro (n=89)	40.0	[28.6,52.7]	60.0	[47.3,71.4]	100.0
Pearson: Uncorrected chi2(3) =	12.1722				
Design-based F(2.57, 717.28) =	3.4832	Pr =	0.021		
Total (n=291)	29.4	[23.4,36.2]	70.6	[63.8,76.6]	100.0

Note: Out of the 78 respondents who thought about filing for bankruptcy, 9 (11.5%) filed for bankruptcy.

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

6.1 Q: How did you complete the first section of the HRA, which is answering the questions about your eating, exercise, and smoking behaviors?

Universe: All respondents

	On phone at enrollment		With doctor/clinic staff		Completed first section of HRA				Have not completed it		Total Row%
	Row%	95%CI	Row%	95%CI	By filling it out myself Row%	95%CI	Don't remember Row%	95%CI	Row%	95%CI	
Age											
19-34 (n=220)	21.3	[15.5,28.7]	13.6	[8.9,20.2]	34.9	[27.8,42.8]	12.5	[8.1,18.8]	17.7	[12.6,24.2]	100.0
35-50 (n=175)	18.5	[12.8,26.1]	17.8	[11.5,26.5]	36.0	[27.9,45.1]	9.7	[5.6,16.3]	18.0	[12.0,26.0]	100.0
51-64 (n=209)	9.1	[5.8,13.9]	18.2	[12.4,25.8]	50.3	[42.1,58.4]	5.9	[3.5,9.8]	16.6	[11.4,23.5]	100.0
Pearson: Uncorrected chi2(8) =	22.6429										
Design-based F(7.67, 4543.42) =	2.0707	Pr =	0.038								
Gender											
Male (n=324)	15.8	[11.7,21.1]	16.0	[11.7,21.6]	39.9	[33.7,46.4]	10.5	[7.2,15.0]	17.8	[13.4,23.2]	100.0
Female (n=280)	19.0	[13.8,25.6]	16.4	[11.4,22.9]	39.1	[32.4,46.2]	8.7	[5.4,13.7]	16.9	[12.4,22.5]	100.0
Pearson: Uncorrected chi2(4) =	1.3946										
Design-based F(3.98, 2355.43) =	0.2505	Pr =	0.909								
Race/ethnicity											
White, non-Hispanic (n=401)	15.4	[11.5,20.3]	13.9	[10.1,18.9]	40.5	[34.8,46.4]	11.5	[8.1,16.0]	18.7	[14.5,23.9]	100.0
Black, non-Hispanic (n=113)	21.9	[14.4,31.9]	16.0	[9.7,25.3]	41.8	[31.6,52.7]	5.5	[2.3,12.5]	14.9	[8.8,24.1]	100.0
Hispanic (n=33)	8.8	[2.4,27.4]	14.8	[5.9,32.5]	57.5	[37.6,75.2]	1.0	[0.2,6.0]	17.9	[7.6,36.6]	100.0
Other, non-Hispanic (n=52)	23.5	[11.8,41.3]	30.6	[16.3,49.8]	14.1	[7.7,24.3]	17.2	[8.0,33.0]	14.7	[6.9,28.7]	100.0
Pearson: Uncorrected chi2(12) =	35.0737										
Design-based F(11.01, 6461.03) =	2.1625	Pr =	0.014								
FPL category											
0-35% (n=238)	16.5	[12.2,22.0]	17.8	[13.2,23.5]	39.9	[33.7,46.4]	9.9	[6.7,14.4]	15.9	[11.6,21.3]	100.0
36-99% (n=192)	20.0	[14.8,26.4]	14.0	[9.7,19.7]	35.2	[28.9,42.1]	9.7	[6.3,14.9]	21.0	[16.0,27.2]	100.0
100%+ (n=174)	15.7	[10.9,22.1]	9.9	[6.1,15.6]	43.8	[36.6,51.3]	9.2	[6.0,13.8]	21.4	[16.0,28.1]	100.0
Pearson: Uncorrected chi2(8) =	6.5283										
Design-based F(7.21, 4270.07) =	1.1830	Pr =	0.308								
Region											
UP/NW/NE (n=95)	13.0	[7.2,22.2]	14.9	[7.1,28.6]	39.3	[27.9,52.0]	16.9	[9.0,29.6]	15.9	[7.9,29.3]	100.0
W/E Central/E (n=162)	11.6	[7.2,18.1]	17.7	[11.4,26.5]	49.1	[40.0,58.3]	8.4	[4.5,14.9]	13.2	[8.4,20.1]	100.0
S Central/SW/SE (n=150)	17.8	[11.8,25.8]	15.4	[9.3,24.4]	37.5	[28.4,47.6]	17.4	[10.6,27.2]	11.9	[7.5,18.3]	100.0
Detroit Metro (n=197)	21.3	[15.1,29.1]	15.8	[10.6,22.8]	34.2	[27.0,42.3]	4.9	[2.6,9.2]	23.7	[17.5,31.4]	100.0
Pearson: Uncorrected chi2(12) =	39.1147										
Design-based F(11.55, 6837.33) =	2.4797	Pr =	0.004								
Total (n=604)	17.0	[13.7,21.0]	16.1	[12.7,20.3]	39.6	[35.0,44.4]	9.8	[7.3,13.0]	17.4	[14.1,21.3]	100.0

6.2 Q: Did you discuss the HRA with your doctor or someone at your primary care provider's office?

Universe: Respondents who completed the first section of the HRA (n = 483)

	Discussed HRA with doctor or someone at PCP office								Total Row%	
	Yes		No		Haven't had an appointment yet		Don't remember			
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI		
Age										
19-34 (n=173)	43.4	[34.9,52.4]	36.5	[28.5,45.4]	14.7	[9.3,22.5]	5.3	[2.5,11.0]	100.0	
35-50 (n=141)	40.1	[30.8,50.1]	34.1	[25.2,44.3]	17.2	[11.0,25.8]	8.7	[4.6,15.7]	100.0	
51-64 (n=169)	65.5	[56.6,73.4]	22.5	[16.1,30.6]	8.0	[4.3,14.5]	4.0	[1.7,9.1]	100.0	
Pearson: Uncorrected chi2(6) =	24.2430									
Design-based F(5.89, 2772.95) =	2.9093	Pr =	0.008							
Gender										
Male (n=262)	45.4	[38.4,52.7]	31.8	[25.6,38.7]	14.6	[10.2,20.5]	8.2	[5.1,13.0]	100.0	
Female (n=221)	54.2	[46.0,62.2]	31.8	[24.6,40.0]	11.8	[7.3,18.3]	2.2	[1.1,4.4]	100.0	
Pearson: Uncorrected chi2(3) =	9.1952									
Design-based F(2.73, 1283.97) =	2.6090	Pr =	0.056							
Race/ethnicity										
White, non-Hispanic (n=321)	46.2	[39.7,52.8]	30.4	[24.7,36.9]	16.9	[12.3,22.8]	6.5	[3.9,10.7]	100.0	
Black, non-Hispanic (n=96)	50.5	[39.0,61.9]	37.4	[26.8,49.3]	4.9	[1.6,14.0]	7.2	[3.1,16.0]	100.0	
Hispanic (n=24)	56.1	[33.3,76.6]	27.7	[12.1,51.8]	16.1	[5.6,38.4]	0.0		100.0	
Other, non-Hispanic (n=39)	61.0	[41.6,77.4]	22.0	[10.5,40.3]	13.3	[4.5,33.5]	3.7	[1.2,10.8]	100.0	
Pearson: Uncorrected chi2(9) =	16.2501									
Design-based F(8.44, 3949.87) =	1.2265	Pr =	0.276							
FPL category										
0-35% (n=204)	49.2	[42.2,56.3]	32.3	[26.1,39.1]	13.0	[8.8,18.7]	5.5	[3.0,9.8]	100.0	
36-99% (n=147)	48.4	[40.4,56.5]	26.4	[20.0,34.1]	15.3	[10.0,22.9]	9.8	[5.9,15.9]	100.0	
100%+ (n=132)	46.0	[37.8,54.3]	36.2	[28.5,44.7]	14.4	[9.4,21.5]	3.4	[1.6,7.0]	100.0	
Pearson: Uncorrected chi2(6) =	4.1375									
Design-based F(5.23, 2465.13) =	1.0371	Pr =	0.395							
Region										
UP/NW/NE (n=77)	59.6	[46.2,71.7]	23.7	[15.2,34.9]	14.5	[6.9,27.8]	2.2	[0.9,5.0]	100.0	
W/E Central/E (n=132)	50.4	[40.4,60.3]	23.3	[16.2,32.4]	19.2	[12.2,29.1]	7.1	[3.4,14.2]	100.0	
S Central/SW/SE (n=124)	47.9	[37.2,58.8]	27.9	[19.4,38.5]	17.9	[10.7,28.5]	6.2	[2.8,13.3]	100.0	
Detroit Metro (n=150)	45.4	[36.4,54.7]	42.3	[33.4,51.8]	6.4	[3.1,12.6]	5.9	[2.8,12.0]	100.0	
Pearson: Uncorrected chi2(9) =	26.1151									
Design-based F(7.90, 3722.73) =	2.4081	Pr =	0.014							
Total (n=483)	48.7	[43.3,54.1]	31.8	[27.0,36.9]	13.5	[10.2,17.7]	6.0	[3.9,9.0]	100.0	

6.2.1 Q: What healthy behavior did you choose to work on?

Universe: Respondents who discussed the HRA with their doctor or someone at their primary care provider's office (n = 243)

	Weighted Proportion	95%CI
At least one healthy behavior (n=212)	85.9	[79.3, 90.7]
Nutrition/diet (n=91)	35.3	[28.3, 43.0]
Exercise/activity (n=74)	29.9	[23.4, 37.3]
Reduce/quit tobacco use (n=51)	20.3	[14.9, 27.0]
Lose weight (n=27)	9.4	[5.9, 14.6]
Don't remember (n=20)	8.5	[5.0, 14.1]
Other (n=13)	5.3	[2.9, 9.5]
None (n=8)	3.5	[1.5, 7.9]
Reduce/quit alcohol use (n=6)	2.4	[0.9, 6.5]
Monitor my blood pressure/sugar (n=4)	1.8	[0.6, 5.1]
Take medicine regularly (n=3)	0.8	[0.2, 2.6]
Go to the dentist (n=1)	0.1	[0.0, 0.5]

Note: Respondents were able to provide multiple responses

6.2.2 Q: Why did you choose this healthy behavior?

Universe: Respondents who chose a healthy behavior (n = 212)

	Reasons for choosing healthy behavior									
	Wanted to do anyway		Doctor suggested		Improve condition		Easy to do		Other	
	Percent	95%CI	Percent	95%CI	Percent	95%CI	Percent	95%CI	Percent	95%CI
Nutrition/diet (n=91)	51.4	[38.1, 64.5]	23.8	[14.8, 36.0]	31.4	[19.9, 45.7]	0.5	[0.1, 3.0]	3.1	[0.7, 13.2]
Exercise/activity (n=74)	75.8	[75.8, 75.8]	15.5	[15.5, 15.5]	8.5	[8.5, 8.5]	6.3	[6.3, 6.3]	1.3	[1.3, 1.3]
Reduce/quit tobacco use (n=51)	65.5	[65.5, 65.5]	38.2	[38.2, 38.2]	10.0	[10.0, 10.0]				
Lose weight (n=27)	77.8	[77.8, 77.8]	38.3	[38.3, 38.3]	18.8	[18.8, 18.8]				
Other (n=13)	44.6	[44.6, 44.6]	17.0	[17.0, 17.0]	38.4	[38.4, 38.4]				

Note: Respondents were able to provide multiple responses. Reasons are not reported for reduce/quit alcohol use, monitor blood pressure/sugar, take medicine regularly, or go to the dentist due to sample sizes <10.

6.3 Q: Did completing the Health Risk Assessment teach you something you didn't know about your health?

Universe: Respondents who discussed the HRA with their doctor or someone at their primary care provider's office (n = 235)

	Completing HRA taught me something about my health								Total Row%	
	Definitely yes		Somewhat yes		No		Don't know			
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI		
Age										
19-34 (n=76)	26.8	[16.4,40.8]	45.8	[32.6,59.6]	27.3	[17.1,40.8]	0.0		100.0	
35-50 (n=56)	28.3	[16.8,43.7]	32.5	[19.3,49.4]	39.1	[25.0,55.4]	0.0		100.0	
51-64 (n=103)	23.0	[14.5,34.5]	34.5	[24.2,46.5]	42.2	[31.4,53.8]	0.3	[0.0,1.6]	100.0	
Pearson: Uncorrected chi2(6) =	5.9321									
Design-based F(5.20, 1160.35) =	0.7668	Pr =	0.579							
Gender										
Male (n=116)	31.8	[22.6,42.7]	40.5	[30.2,51.8]	27.5	[18.9,38.1]	0.2	[0.0,1.0]	100.0	
Female (n=119)	17.2	[10.5,26.8]	34.9	[25.2,46.2]	47.9	[37.2,58.8]	0.0		100.0	
Pearson: Uncorrected chi2(3) =	12.0130									
Design-based F(2.27, 505.13) =	3.9655	Pr =	0.016							
Race/ethnicity										
White, non-Hispanic (n=153)	13.7	[8.6,21.1]	41.8	[32.2,52.1]	44.3	[34.9,54.2]	0.2	[0.0,1.0]	100.0	
Black, non-Hispanic (n=52)	44.4	[29.7,60.2]	39.0	[25.0,55.0]	16.6	[7.8,31.7]	0.0		100.0	
Hispanic (n=12)	47.1	[19.1,77.0]	37.2	[13.9,68.6]	15.7	[3.4,49.6]	0.0		100.0	
Other, non-Hispanic (n=18)	30.0	[12.2,56.9]	13.0	[4.3,33.1]	57.1	[30.6,80.0]	0.0		100.0	
Pearson: Uncorrected chi2(9) =	37.0235									
Design-based F(7.49, 1669.58) =	2.9421	Pr =	0.004							
FPL category										
0-35% (n=101)	23.6	[15.9,33.6]	40.9	[31.1,51.5]	35.5	[26.4,45.8]	0.0		100.0	
36-99% (n=74)	31.6	[21.8,43.4]	30.7	[21.4,41.9]	37.0	[27.0,48.2]	0.7	[0.1,3.7]	100.0	
100%+ (n=60)	30.9	[20.1,44.4]	31.8	[21.3,44.7]	37.3	[26.5,49.4]	0.0		100.0	
Pearson: Uncorrected chi2(6) =	3.5600									
Design-based F(4.31, 960.71) =	1.1924	Pr =	0.312							
Region										
UP/NW/NE (n=39)	19.0	[7.8,39.5]	34.4	[17.0,57.3]	45.6	[27.3,65.2]	1.0	[0.2,5.5]	100.0	
W/E Central/E (n=64)	16.9	[9.4,28.4]	39.0	[25.8,53.9]	44.1	[30.5,58.7]	0.0		100.0	
S Central/SW/SE (n=61)	23.0	[11.5,40.7]	40.8	[26.0,57.5]	36.2	[22.2,52.9]	0.0		100.0	
Detroit Metro (n=71)	37.1	[24.9,51.2]	37.1	[25.1,51.0]	25.8	[15.9,39.0]	0.0		100.0	
Pearson: Uncorrected chi2(9) =	13.7671									
Design-based F(6.65, 1483.29) =	1.5202	Pr =	0.160							
Total (n=235)	25.7	[19.5,33.1]	38.2	[30.8,46.2]	35.9	[28.9,43.7]	0.1	[0.0,0.6]	100.0	

Note: The n for this question is lower than in Table 6.2.1 (which has the same universe) due to item non-response.

6.4 Q: Did completing the Health Risk Assessment help your primary care provider better understand your health needs?

Universe: Respondents who discussed the HRA with their doctor or someone at their primary care provider's office (n = 235)

	Completing HRA helped PCP understand my health needs								Total Row%
	Definitely yes		Somewhat yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age									
19-34 (n=76)	51.7	[38.6,64.7]	38.7	[26.9,52.1]	5.5	[2.5,11.7]	4.0	[0.6,22.6]	100.0
35-50 (n=56)	56.1	[40.2,70.8]	34.1	[20.7,50.5]	9.0	[3.6,20.8]	0.8	[0.1,4.8]	100.0
51-64 (n=103)	55.2	[43.6,66.2]	26.8	[17.8,38.2]	15.9	[9.3,25.9]	2.1	[0.4,9.9]	100.0
Pearson: Uncorrected chi2(6) =	8.2989								
Design-based F(5.21, 1162.56) =	1.0976	Pr =	0.360						
Gender									
Male (n=116)	58.6	[47.9,68.4]	28.4	[19.8,39.0]	9.0	[5.0,15.8]	4.0	[1.1,14.1]	100.0
Female (n=119)	47.9	[37.3,58.7]	39.4	[29.2,50.7]	12.3	[7.1,20.5]	0.4	[0.1,2.2]	100.0
Pearson: Uncorrected chi2(3) =	6.8903								
Design-based F(2.53, 565.20) =	2.2687	Pr =	0.090						
Race/ethnicity									
White, non-Hispanic (n=153)	43.7	[34.4,53.5]	41.4	[31.9,51.5]	14.3	[9.1,21.7]	0.6	[0.2,2.2]	100.0
Black, non-Hispanic (n=52)	74.1	[59.2,84.9]	16.9	[8.6,30.4]	6.5	[2.1,18.6]	2.5	[0.4,15.8]	100.0
Hispanic (n=12)	60.3	[29.4,84.8]	36.7	[13.4,68.6]	3.0	[0.4,17.0]	0.0		100.0
Other, non-Hispanic (n=18)	57.4	[28.5,81.9]	22.7	[6.6,55.0]	2.8	[0.5,15.2]	17.1	[2.8,60.2]	100.0
Pearson: Uncorrected chi2(9) =	40.5636								
Design-based F(6.88, 1534.44) =	3.3745	Pr =	0.002						
FPL category									
0-35% (n=101)	53.8	[44.0,63.3]	34.2	[25.4,44.2]	9.1	[5.0,15.9]	3.0	[0.7,11.8]	100.0
36-99% (n=74)	54.5	[43.2,65.4]	32.6	[23.2,43.7]	11.6	[6.3,20.6]	1.2	[0.2,7.1]	100.0
100%+ (n=60)	55.8	[44.3,66.7]	26.1	[17.3,37.2]	16.8	[9.9,26.9]	1.4	[0.3,7.8]	100.0
Pearson: Uncorrected chi2(6) =	2.3497								
Design-based F(5.37, 1197.89) =	0.6881	Pr =	0.643						
Region									
UP/NW/NE (n=39)	38.5	[22.4,57.7]	40.1	[21.9,61.5]	21.4	[8.9,43.1]	0.0		100.0
W/E Central/E (n=64)	38.7	[26.0,53.0]	47.5	[33.6,61.8]	13.8	[7.0,25.7]	0.0		100.0
S Central/SW/SE (n=61)	51.5	[35.3,67.4]	28.3	[16.2,44.6]	11.8	[6.0,22.1]	8.4	[1.8,31.7]	100.0
Detroit Metro (n=71)	73.8	[61.1,83.5]	21.2	[12.7,33.3]	3.2	[0.8,11.9]	1.8	[0.3,11.9]	100.0
Pearson: Uncorrected chi2(9) =	37.3197								
Design-based F(7.44, 1658.52) =	3.1784	Pr =	0.002						
Total (n=235)	54.1	[46.6,61.4]	33.0	[26.2,40.5]	10.4	[6.9,15.3]	2.5	[0.7,8.4]	100.0

Note: The n for this question is lower than in Table 6.2.1 (which has the same universe) due to item non-response.

6.5 Q: Did completing the Health Risk Assessment motivate you to be more responsible for your health?

Universe: Respondents who discussed the HRA with their doctor or someone at their primary care provider's office (n = 235)

	Definitely yes		Completing HRA motivated me to be more responsible for my health				Don't know		Total Row%
	Row%	95%CI	Somewhat yes Row%	95%CI	No Row%	95%CI	Row%	95%CI	
Age									
19-34 (n=76)	64.3	[50.1,76.4]	24.4	[14.5,38.0]	11.3	[4.6,25.3]	0.0		100.0
35-50 (n=56)	55.9	[39.6,71.0]	26.3	[14.3,43.4]	17.8	[8.2,34.5]	0.0		100.0
51-64 (n=103)	57.5	[45.6,68.6]	33.3	[23.1,45.3]	7.5	[3.3,16.2]	1.7	[0.2,10.8]	100.0
Pearson: Uncorrected chi2(6) =	7.5369								
Design-based F(5.88, 1310.92) =	0.7994	Pr =	0.568						
Gender									
Male (n=117)	58.6	[47.5,69.0]	30.9	[21.6,42.1]	9.3	[4.3,19.2]	1.1	[0.2,7.4]	100.0
Female (n=118)	61.0	[50.1,70.9]	24.5	[16.6,34.6]	14.5	[7.9,25.0]	0.0		100.0
Pearson: Uncorrected chi2(3) =	3.2856								
Design-based F(2.95, 657.83) =	0.7159	Pr =	0.540						
Race/ethnicity									
White, non-Hispanic (n=153)	49.7	[40.0,59.4]	37.1	[28.1,47.1]	13.2	[7.4,22.3]	0.0		100.0
Black, non-Hispanic (n=52)	77.4	[61.4,88.0]	13.3	[5.8,27.7]	6.7	[1.7,23.1]	2.5	[0.4,15.8]	100.0
Hispanic (n=12)	81.3	[49.4,95.1]	16.2	[3.6,49.8]	2.5	[0.4,14.0]	0.0		100.0
Other, non-Hispanic (n=18)	53.1	[26.1,78.4]	25.1	[6.9,60.3]	21.8	[5.6,56.4]	0.0		100.0
Pearson: Uncorrected chi2(9) =	25.7273								
Design-based F(7.94, 1771.26) =	1.7522	Pr =	0.083						
FPL category									
0-35% (n=102)	57.5	[47.0,67.3]	29.3	[20.8,39.7]	12.3	[6.7,21.5]	0.9	[0.1,6.0]	100.0
36-99% (n=73)	61.6	[50.6,71.5]	31.7	[22.3,42.8]	6.7	[3.1,14.1]	0.0		100.0
100%+ (n=60)	70.8	[59.1,80.3]	16.7	[9.3,28.2]	12.5	[7.0,21.2]	0.0		100.0
Pearson: Uncorrected chi2(6) =	3.6226								
Design-based F(4.09, 911.83) =	0.9247	Pr =	0.450						
Region									
UP/NW/NE (n=39)	53.2	[33.0,72.5]	36.3	[18.4,59.0]	10.5	[3.0,30.9]	0.0		100.0
W/E Central/E (n=64)	47.0	[33.1,61.3]	33.2	[21.2,47.9]	19.8	[9.9,35.8]	0.0		100.0
S Central/SW/SE (n=62)	63.8	[47.1,77.6]	25.6	[13.9,42.3]	10.6	[4.2,24.6]	0.0		100.0
Detroit Metro (n=70)	69.8	[55.8,80.9]	23.4	[13.6,37.1]	4.9	[1.2,17.6]	1.8	[0.3,11.9]	100.0
Pearson: Uncorrected chi2(9) =	16.2183								
Design-based F(7.31, 1629.50) =	1.4672	Pr =	0.171						
Total (n=235)	59.6	[51.7,67.1]	28.3	[21.7,36.0]	11.4	[7.0,18.0]	0.7	[0.1,4.4]	100.0

Note: The n for this question is lower than in Table 6.2.1 (which has the same universe) due to item non-response.

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

Not applicable to the New Enrollee Survey

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

Not applicable to the New Enrollee Survey

9 Aim 7: To describe the experiences and perceptions of HMP enrollees who may have been eligible for HMP for some time before enrolling.

9.1 Insurance status in the 12 months prior to HMP

Universe: All respondents

	Insurance status in 12 months prior to HMP							Total Row%
	Uninsured all 12 months		Uninsured some of the 12 months		Insured all 12 months			
	Row%	95%CI	Row%	95%CI	Row%	95%CI		
Age								
19-34 (n=217)	45.9	[38.0,53.9]	29.2	[22.5,37.0]	24.9	[18.6,32.5]	100.0	
35-50 (n=177)	52.9	[43.9,61.7]	21.6	[15.4,29.3]	25.5	[18.2,34.5]	100.0	
51-64 (n=208)	45.4	[37.4,53.7]	19.8	[14.3,26.9]	34.8	[27.4,43.0]	100.0	
Pearson: Uncorrected chi2(4) =	9.8591							
Design-based F(3.94, 2325.11) =	1.7193	Pr =	0.144					
Gender								
Male (n=322)	57.7	[51.2,64.0]	19.3	[14.8,24.8]	23.0	[17.8,29.1]	100.0	
Female (n=280)	31.5	[25.4,38.3]	32.4	[25.9,39.7]	36.1	[29.4,43.3]	100.0	
Pearson: Uncorrected chi2(2) =	38.9401							
Design-based F(1.99, 1176.31) =	13.9974	Pr =	0.000					
Race/ethnicity								
White, non-Hispanic (n=396)	44.7	[38.8,50.8]	25.4	[20.5,30.9]	30.0	[24.7,35.8]	100.0	
Black, non-Hispanic (n=114)	52.5	[41.8,62.9]	20.5	[13.5,29.8]	27.1	[18.6,37.6]	100.0	
Hispanic (n=33)	50.9	[31.1,70.4]	26.0	[11.4,48.8]	23.2	[9.8,45.5]	100.0	
Other, non-Hispanic (n=54)	52.4	[36.0,68.3]	27.3	[15.1,44.1]	20.3	[9.8,37.4]	100.0	
Pearson: Uncorrected chi2(6) =	4.8647							
Design-based F(5.92, 3463.60) =	0.5006	Pr =	0.806					
FPL category								
0-35% (n=239)	47.2	[40.7,53.8]	22.9	[17.8,28.8]	29.9	[24.2,36.3]	100.0	
36-99% (n=191)	48.4	[41.5,55.4]	29.2	[23.4,35.9]	22.3	[17.3,28.3]	100.0	
100%+ (n=172)	50.8	[43.4,58.2]	25.1	[19.2,32.1]	24.1	[18.6,30.6]	100.0	
Pearson: Uncorrected chi2(4) =	3.7214							
Design-based F(3.58, 2113.77) =	1.3991	Pr =	0.236					
Region								
UP/NW/NE (n=95)	57.6	[44.5,69.7]	16.1	[10.2,24.5]	26.3	[15.8,40.6]	100.0	
W/E Central/E (n=162)	44.9	[36.1,54.1]	24.1	[17.0,33.1]	31.0	[23.1,40.1]	100.0	
S Central/SW/SE (n=148)	44.8	[35.0,54.9]	31.3	[23.0,41.0]	23.9	[16.6,33.2]	100.0	
Detroit Metro (n=197)	49.3	[41.2,57.5]	22.4	[16.4,29.8]	28.3	[21.5,36.2]	100.0	
Pearson: Uncorrected chi2(6) =	7.8582							
Design-based F(5.64, 3329.24) =	1.0003	Pr =	0.421					
Total (n=602)	47.9	[43.0,52.8]	24.2	[20.4,28.6]	27.9	[23.7,32.5]	100.0	

9.2 Q: During the 12 months before you enrolled in the Healthy Michigan Plan, did you have any type of health insurance at any time?

Universe: All respondents

	Had health insurance at any time in the 12 months prior to HMP						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=220)	54.4	[46.4,62.2]	44.7	[36.9,52.7]	0.9	[0.3,2.5]	100.0
35-50 (n=178)	47.6	[38.8,56.6]	52.2	[43.2,61.0]	0.2	[0.0,1.2]	100.0
51-64 (n=209)	56.9	[48.7,64.8]	43.1	[35.2,51.3]	0.0		100.0
Pearson: Uncorrected chi2(4) =	5.6816						
Design-based F(3.13, 1859.67) =	1.4671	Pr =	0.220				
Gender							
Male (n=326)	42.9	[36.6,49.4]	56.5	[50.0,62.8]	0.6	[0.2,1.7]	100.0
Female (n=281)	70.1	[63.4,76.1]	29.7	[23.8,36.4]	0.2	[0.0,1.0]	100.0
Pearson: Uncorrected chi2(2) =	42.4303						
Design-based F(1.50, 894.77) =	25.3875	Pr =	0.000				
Race/ethnicity							
White, non-Hispanic (n=401)	56.4	[50.3,62.3]	42.9	[37.0,49.0]	0.7	[0.3,1.8]	100.0
Black, non-Hispanic (n=114)	48.5	[38.1,59.1]	51.5	[40.9,61.9]	0.0		100.0
Hispanic (n=33)	49.1	[29.6,68.9]	50.9	[31.1,70.4]	0.0		100.0
Other, non-Hispanic (n=54)	47.6	[31.7,64.0]	52.4	[36.0,68.3]	0.0		100.0
Pearson: Uncorrected chi2(6) =	5.6809						
Design-based F(5.55, 3271.79) =	0.6641	Pr =	0.667				
FPL category							
0-35% (n=239)	53.8	[47.2,60.3]	46.2	[39.7,52.8]	0.0		100.0
36-99% (n=192)	52.7	[45.6,59.6]	46.5	[39.6,53.5]	0.8	[0.1,4.8]	100.0
100%+ (n=176)	49.6	[42.3,56.9]	48.1	[40.8,55.5]	2.3	[0.8,6.5]	100.0
Pearson: Uncorrected chi2(4) =	8.7244						
Design-based F(3.73, 2220.02) =	3.3137	Pr =	0.012				
Region							
UP/NW/NE (n=95)	44.7	[32.3,57.7]	55.3	[42.3,67.7]	0.0		100.0
W/E Central/E (n=163)	55.9	[46.8,64.7]	43.6	[34.8,52.8]	0.5	[0.1,2.7]	100.0
S Central/SW/SE (n=151)	54.8	[44.8,64.5]	44.3	[34.6,54.3]	0.9	[0.2,3.6]	100.0
Detroit Metro (n=198)	52.1	[44.0,60.2]	47.6	[39.6,55.8]	0.2	[0.0,1.5]	100.0
Pearson: Uncorrected chi2(6) =	3.9014						
Design-based F(5.02, 2987.39) =	0.6706	Pr =	0.646				
Total (n=607)	53.1	[48.2,57.9]	46.5	[41.7,51.4]	0.4	[0.2,1.1]	100.0

9.2.1 Q: What type of health insurance did you have? Was it insurance through a job or union, insurance purchased by you or someone else, or another type of insurance?

Universe: Respondents who had health insurance at any time in the 12 months prior to HMP (n = 332)

	Weighted Proportion	95%CI
Through job or union (n=241)	73.0	[66.7, 78.4]
Medicaid/MiChild/state program (n=39)	11.7	[8.1, 16.6]
Purchased by you or someone else (n=40)	11.3	[7.8, 16.0]
Other (n=5)	1.9	[0.7, 5.2]
Don't know (n=3)	1.3	[0.3, 5.2]
Veterans Administration or VA care (n=5)	1.2	[0.5, 3.2]
Medicare (n=1)	0.8	[0.1, 5.1]
County health plan (n=1)	0.1	[0.0, 0.4]

Note: Respondents were able to provide multiple responses

9.2.1.1 Q: Whose job is it?

Universe: Respondents who had insurance provided through a job or union (n = 241)

	Weighted Proportion	95%CI
Respondent (n=162)	68.6	[60.8, 75.5]
Family member (n=79)	31.4	[24.5, 39.2]

9.2.1.2 Follow up questions on purchased health insurance

Universe: Respondents who purchased insurance (n = 40)

	Weighted Proportion	95%CI
Who purchased it?		
Respondent (n=28)	72.4	[72.4, 72.4]
Family member (n=12)	27.6	[27.6, 27.6]
Was this insurance purchased through the marketplace known as healthcare.gov?		
Yes (n=25)	59.2	[59.2, 59.2]
No (n=9)	18.7	[18.7, 18.7]
Don't know (n=6)	22.0	[22.0, 22.0]
If insurance was purchased through the marketplace: Did you receive a subsidy?		
Yes (n=18)	74.9	[74.9, 74.9]
No (n=6)	23.7	[23.7, 23.7]
Don't know (n=1)	1.4	[1.4, 1.4]

9.3 Q: Was there any time in the 12 months before you enrolled in the Healthy Michigan Plan that you didn't have any health insurance?

Universe: Respondents who had health insurance at any time in the 12 months prior to HMP (n = 332)

	Had no insurance for some time in the 12 months prior to HMP						Total Row%
	Yes Row%	95%CI	No Row%	95%CI	Don't know Row%	95%CI	
Age							
19-34 (n=123)	54.6	[43.7,65.1]	45.4	[34.9,56.3]	0.0		100.0
35-50 (n=87)	46.5	[34.2,59.3]	53.5	[40.7,65.8]	0.0		100.0
51-64 (n=122)	38.8	[29.0,49.6]	61.0	[50.1,70.8]	0.3	[0.0,1.5]	100.0
Pearson: Uncorrected chi2(4) =	6.4968						
Design-based F(3.21, 1027.79) =	1.3685	Pr =	0.249				
Gender							
Male (n=140)	46.6	[37.0,56.4]	53.3	[43.4,62.9]	0.2	[0.0,0.9]	100.0
Female (n=192)	48.7	[39.9,57.5]	51.3	[42.5,60.1]	0.0		100.0
Pearson: Uncorrected chi2(2) =	0.3999						
Design-based F(1.27, 407.71) =	0.2314	Pr =	0.689				
Race/ethnicity							
White, non-Hispanic (n=231)	47.2	[39.4,55.1]	52.7	[44.8,60.5]	0.1	[0.0,0.7]	100.0
Black, non-Hispanic (n=60)	44.2	[30.5,58.9]	55.8	[41.1,69.5]	0.0		100.0
Hispanic (n=14)	52.9	[24.0,79.9]	47.1	[20.1,76.0]	0.0		100.0
Other, non-Hispanic (n=25)	57.3	[33.3,78.2]	42.7	[21.8,66.7]	0.0		100.0
Pearson: Uncorrected chi2(6) =	1.6412						
Design-based F(5.12, 1627.53) =	0.1875	Pr =	0.969				
FPL category							
0-35% (n=130)	44.4	[35.8,53.4]	55.6	[46.6,64.2]	0.0		100.0
36-99% (n=107)	57.9	[48.8,66.6]	42.1	[33.4,51.2]	0.0		100.0
100%+ (n=95)	52.0	[42.1,61.8]	47.3	[37.6,57.2]	0.7	[0.1,3.8]	100.0
Pearson: Uncorrected chi2(4) =	5.7171						
Design-based F(2.50, 798.51) =	3.5245	Pr =	0.021				
Region							
UP/NW/NE (n=44)	41.1	[25.3,58.9]	58.9	[41.1,74.7]	0.0		100.0
W/E Central/E (n=92)	44.9	[32.9,57.4]	55.1	[42.6,67.1]	0.0		100.0
S Central/SW/SE (n=88)	56.5	[43.5,68.6]	43.2	[31.0,56.1]	0.4	[0.1,2.0]	100.0
Detroit Metro (n=108)	45.9	[35.1,57.2]	54.1	[42.8,64.9]	0.0		100.0
Pearson: Uncorrected chi2(6) =	4.3078						
Design-based F(3.57, 1141.42) =	0.9464	Pr =	0.429				
Total (n=332)	47.6	[41.0,54.3]	52.3	[45.6,58.9]	0.1	[0.0,0.5]	100.0

9.4 Q: What were the main reasons you were without health insurance for that time?

Universe: Respondents who had no insurance for some or all of the 12 months prior to HMP (n = 433)

	Weighted Proportion	95%CI
No job during that time (n=119)	30.2	[25.2, 35.8]
Too expensive (non-specific) (n=133)	24.3	[20.0, 29.2]
Other (n=66)	14.3	[10.8, 18.6]
Have a job, but it does not offer insurance (n=53)	13.2	[9.7, 17.8]
Do not need health insurance (n=22)	7.2	[4.6, 11.3]
Marketplace/individual plan too expensive (n=27)	6.5	[4.1, 10.0]
Time for HMP application to be completed/accepted (n=29)	6.4	[4.1, 9.8]
Did not get around to it (n=23)	6.4	[3.9, 10.2]
Had problems with (re-)applying for Medicaid (n=17)	4.3	[2.6, 7.2]
Have a job, but insurance is too expensive (n=14)	2.7	[1.4, 5.2]
Tried to enroll, but redirected to Medicaid (n=4)	1.2	[0.4, 3.5]
Had problems with (re-)applying for private insurance (n=2)	0.6	[0.1, 2.5]
Have job, waiting for open enrollment (n=1)	0.1	[0.0, 0.3]
Do not know (n=1)	0.1	[0.0, 0.8]

Note: Respondents were able to provide multiple responses

9.5 Q: While you were without health insurance, was there a time when you knew about the Healthy Michigan Plan but did not apply?

Universe: Respondents who had no insurance for two months or more in the 12 months prior to enrollment (n = 264)

	Yes		Knew about HMP but did not apply No		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=92)	25.4	[16.8,36.5]	74.6	[63.5,83.2]	0.0		100.0
35-50 (n=87)	44.0	[32.0,56.8]	55.2	[42.4,67.2]	0.9	[0.2,3.0]	100.0
51-64 (n=85)	27.3	[17.7,39.5]	72.4	[60.2,82.0]	0.3	[0.1,2.0]	100.0
Pearson: Uncorrected chi2(4) =	9.9164						
Design-based F(2.73, 688.32) =	3.1025	Pr =	0.030				
Gender							
Male (n=179)	30.4	[23.0,38.9]	69.2	[60.7,76.6]	0.4	[0.1,1.4]	100.0
Female (n=85)	38.5	[27.2,51.2]	61.1	[48.4,72.5]	0.4	[0.1,2.3]	100.0
Pearson: Uncorrected chi2(2) =	1.4061						
Design-based F(1.38, 347.28) =	1.0224	Pr =	0.337				
Race/ethnicity							
White, non-Hispanic (n=164)	35.6	[27.2,45.0]	64.0	[54.6,72.4]	0.4	[0.1,1.7]	100.0
Black, non-Hispanic (n=53)	28.1	[16.4,43.9]	71.3	[55.6,83.2]	0.5	[0.1,2.9]	100.0
Hispanic (n=17)	23.3	[9.1,48.0]	76.7	[52.0,90.9]	0.0		100.0
Other, non-Hispanic (n=27)	29.7	[13.2,53.8]	70.3	[46.2,86.8]	0.0		100.0
Pearson: Uncorrected chi2(6) =	2.2502						
Design-based F(4.58, 1139.28) =	0.3696	Pr =	0.855				
FPL category							
0-35% (n=106)	31.5	[23.1,41.2]	68.5	[58.8,76.9]	0.0		100.0
36-99% (n=82)	36.4	[26.8,47.2]	63.6	[52.8,73.2]	0.0		100.0
100%+ (n=76)	31.0	[22.0,41.8]	66.0	[55.1,75.5]	2.9	[1.0,8.3]	100.0
Pearson: Uncorrected chi2(4) =	7.1204						
Design-based F(2.74, 691.70) =	4.0068	Pr =	0.010				
Region							
UP/NW/NE (n=51)	19.6	[10.8,32.8]	80.4	[67.2,89.2]	0.0		100.0
W/E Central/E (n=66)	46.1	[32.5,60.4]	53.5	[39.3,67.2]	0.4	[0.1,2.1]	100.0
S Central/SW/SE (n=61)	32.6	[20.0,48.2]	66.8	[51.2,79.4]	0.6	[0.1,3.4]	100.0
Detroit Metro (n=86)	27.1	[17.7,39.1]	72.5	[60.5,82.0]	0.4	[0.1,2.4]	100.0
Pearson: Uncorrected chi2(6) =	9.8312						
Design-based F(3.91, 986.18) =	2.1914	Pr =	0.070				
Total (n=264)	32.3	[25.9,39.3]	67.4	[60.3,73.7]	0.4	[0.1,1.1]	100.0

9.5.1 Q: Why did you not apply?

Universe: Respondents who had no insurance for two months or more in the 12 months prior to enrollment, and knew about HMP, but did not apply (n = 91)

	Weighted Proportion	95%CI
Did not think I was eligible (n=37)	33.7	[22.9,46.6]
Did not get around to it (n=28)	33.2	[23.0,45.3]
Healthy/did not need care (n=10)	16.3	[8.1,30.2]
Paperwork/application process was too burdensome (n=6)	7.4	[2.7,18.9]
Other (n=5)	6.3	[2.6,14.5]
Do not need health insurance (n=3)	4.6	[1.3,15.2]
Did not want to be on a government program (n=3)	3.5	[1.0,11.1]
Do not know (n=2)	2.1	[0.4,9.1]
Did not like a certain feature of HMP (n=1)	1.0	[0.1,6.3]

Note: Respondents were able to provide multiple responses

9.6 Q: What prompted you to apply for the Healthy Michigan Plan?

Universe: All respondents

	Weighted Proportion	95%CI
Lost my other health insurance (n=183)	29.6	[25.4,34.2]
Other (n=149)	21.5	[18.0,25.5]
Had a medical condition that needed care (n=111)	19.2	[15.6,23.3]
Suggested/signed up at ER/hospital/other (n=82)	15.2	[11.9,19.1]
Needed some form of health insurance (n=87)	15.0	[11.8,18.8]
Suggested/signed up by caseworker/social service agency (n=36)	5.6	[3.8,8.3]
Tried to enroll in private/Marketplace ins, redirected to Medicaid (n=9)	2.1	[1.0,4.6]
Wanted to avoid tax return garnishment/penalty (n=15)	2.0	[1.1,3.7]
Don't know (n=3)	0.9	[0.3,2.9]

Note: Respondents were able to provide multiple responses

9.7 Q: Did you have any problems with the Healthy Michigan Plan application and enrollment process?

Universe: All respondents

	Problems with HMP enrollment						Total Row%
	Yes Row%	95%CI	No Row%	95%CI	Don't know Row%	95%CI	
Age							
19-34 (n=220)	6.1	[3.5,10.4]	93.9	[89.6,96.5]	0.0		100.0
35-50 (n=178)	5.1	[2.4,10.4]	94.7	[89.5,97.4]	0.2	[0.0,1.3]	100.0
51-64 (n=209)	3.0	[1.2,7.3]	96.8	[92.6,98.7]	0.1	[0.0,0.8]	100.0
Pearson: Uncorrected chi2(4) =	2.5843						
Design-based F(2.78, 1655.46) =	0.8579	Pr =	0.455				
Gender							
Male (n=326)	2.9	[1.5,5.5]	97.0	[94.4,98.4]	0.1	[0.0,0.6]	100.0
Female (n=281)	8.3	[5.1,13.4]	91.6	[86.5,94.8]	0.1	[0.0,0.6]	100.0
Pearson: Uncorrected chi2(2) =	8.9639						
Design-based F(1.38, 819.13) =	6.0179	Pr =	0.007				
Race/ethnicity							
White, non-Hispanic (n=401)	7.3	[4.8,11.1]	92.5	[88.8,95.0]	0.2	[0.0,0.6]	100.0
Black, non-Hispanic (n=114)	0.9	[0.3,2.6]	99.1	[97.4,99.7]	0.0		100.0
Hispanic (n=33)	1.0	[0.2,6.0]	99.0	[94.0,99.8]	0.0		100.0
Other, non-Hispanic (n=54)	1.8	[0.4,7.1]	98.2	[92.9,99.6]	0.0		100.0
Pearson: Uncorrected chi2(6) =	12.2163						
Design-based F(3.90, 2298.75) =	2.5934	Pr =	0.036				
FPL category							
0-35% (n=239)	4.1	[2.2,7.5]	95.9	[92.5,97.8]	0.0		100.0
36-99% (n=192)	8.1	[5.1,12.6]	91.7	[87.2,94.7]	0.2	[0.0,1.3]	100.0
100%+ (n=176)	5.4	[3.1,9.3]	94.1	[90.1,96.5]	0.5	[0.1,3.0]	100.0
Pearson: Uncorrected chi2(4) =	4.7943						
Design-based F(2.78, 1656.18) =	2.4741	Pr =	0.065				
Region							
UP/NW/NE (n=95)	2.1	[0.7,6.2]	97.5	[93.5,99.1]	0.4	[0.1,2.4]	100.0
W/E Central/E (n=163)	5.0	[2.6,9.6]	94.8	[90.2,97.3]	0.2	[0.0,1.4]	100.0
S Central/SW/SE (n=151)	8.6	[4.7,15.2]	91.4	[84.8,95.3]	0.0		100.0
Detroit Metro (n=198)	3.6	[1.5,8.4]	96.4	[91.6,98.5]	0.0		100.0
Pearson: Uncorrected chi2(6) =	7.0520						
Design-based F(3.56, 2117.36) =	1.8521	Pr =	0.124				
Total (n=607)	4.9	[3.3,7.3]	95.0	[92.6,96.6]	0.1	[0.0,0.4]	100.0

9.7.1 Q: What happened?

Universe: Respondents who had a problem with the Healthy Michigan Plan application and enrollment process (n = 36)

	Percent
Difficulty completing enrollment materials (n=19)	42.4
Other (n=6)	17.6
Administrative problems: case workers difficulties/difficult to reach (n=5)	15.4
Administrative problems: eligibility/administrative error by DHHS (n=3)	15.4
Enrollment materials submitted; DHHS said never received/incomplete (n=6)	14.7
Told I wasn't eligible (n=2)	10.0
Administrative problems: problem with information being requested (n=2)	9.4
Respondent didn't complete all steps (n=1)	8.3
Administrative problems: inaccurate information from/problem with Medicaid (n=1)	1.2
Administrative problems: problem with Medicaid/HMP ID card (n=1)	1.0

Note: Respondents were able to provide multiple responses

9.8 Q: When you were choosing your health plan and primary care provider, were you trying to keep your existing doctor or clinic?

Universe: All respondents

	Tried to keep existing doctor or clinic						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=220)	36.4	[29.2,44.3]	62.9	[55.0,70.2]	0.7	[0.1,4.3]	100.0
35-50 (n=178)	48.8	[39.9,57.7]	51.0	[42.0,59.8]	0.3	[0.0,1.5]	100.0
51-64 (n=209)	54.1	[45.8,62.1]	44.7	[36.8,53.0]	1.2	[0.2,7.6]	100.0
Pearson: Uncorrected chi2(4) =	15.6279						
Design-based F(3.56, 2117.32) =	3.0281	Pr =	0.021				
Gender							
Male (n=326)	40.1	[34.0,46.6]	58.9	[52.4,65.1]	1.0	[0.2,3.7]	100.0
Female (n=281)	53.6	[46.4,60.7]	46.2	[39.1,53.4]	0.2	[0.0,1.2]	100.0
Pearson: Uncorrected chi2(2) =	11.1105						
Design-based F(1.69, 1005.19) =	5.7502	Pr =	0.005				
Race/ethnicity							
White, non-Hispanic (n=401)	49.7	[43.7,55.7]	49.6	[43.6,55.6]	0.7	[0.1,3.3]	100.0
Black, non-Hispanic (n=114)	40.3	[30.3,51.1]	59.7	[48.9,69.7]	0.0		100.0
Hispanic (n=33)	32.4	[17.3,52.4]	67.6	[47.6,82.7]	0.0		100.0
Other, non-Hispanic (n=54)	33.0	[20.2,49.0]	63.8	[47.6,77.4]	3.2	[0.5,18.7]	100.0
Pearson: Uncorrected chi2(6) =	15.9159						
Design-based F(5.92, 3490.49) =	1.7141	Pr =	0.115				
FPL category							
0-35% (n=239)	45.1	[38.6,51.7]	54.1	[47.5,60.5]	0.9	[0.2,3.3]	100.0
36-99% (n=192)	44.7	[37.9,51.7]	54.9	[47.9,61.7]	0.4	[0.1,2.7]	100.0
100%+ (n=176)	46.3	[39.3,53.5]	53.7	[46.5,60.7]	0.0		100.0
Pearson: Uncorrected chi2(4) =	0.8606						
Design-based F(2.93, 1746.00) =	0.2474	Pr =	0.859				
Region							
UP/NW/NE (n=95)	48.9	[36.2,61.7]	51.1	[38.3,63.8]	0.0		100.0
W/E Central/E (n=163)	48.0	[39.1,57.2]	51.7	[42.6,60.7]	0.3	[0.0,1.7]	100.0
S Central/SW/SE (n=151)	43.5	[34.2,53.2]	55.3	[45.5,64.7]	1.2	[0.2,7.9]	100.0
Detroit Metro (n=198)	43.2	[35.3,51.5]	56.0	[47.7,63.9]	0.8	[0.1,5.5]	100.0
Pearson: Uncorrected chi2(6) =	2.7360						
Design-based F(5.29, 3146.56) =	0.3479	Pr =	0.893				
Total (n=607)	45.2	[40.4,50.0]	54.2	[49.3,58.9]	0.7	[0.2,2.3]	100.0

9.8.1 Q: Were you able to keep your same doctor or clinic?

Universe: Respondents who tried to keep their existing doctor or clinic (n = 295)

	Able to keep same doctor or clinic						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Age							
19-34 (n=87)	80.1	[69.3,87.8]	19.1	[11.5,29.9]	0.8	[0.2,3.2]	100.0
35-50 (n=90)	85.8	[74.5,92.6]	10.8	[5.2,21.1]	3.4	[0.7,14.3]	100.0
51-64 (n=118)	80.0	[70.2,87.2]	17.0	[10.6,26.2]	3.0	[0.7,12.0]	100.0
Pearson: Uncorrected chi2(4) =	4.0703						
Design-based F(3.52, 996.57) =	0.7975	Pr =	0.513				
Gender							
Male (n=140)	82.1	[73.3,88.4]	14.9	[9.3,23.2]	3.0	[0.8,10.3]	100.0
Female (n=155)	81.8	[74.4,87.4]	16.6	[11.2,23.9]	1.6	[0.6,4.3]	100.0
Pearson: Uncorrected chi2(2) =	0.7015						
Design-based F(1.97, 558.85) =	0.3069	Pr =	0.733				
Race/ethnicity							
White, non-Hispanic (n=211)	87.8	[83.2,91.3]	11.2	[7.8,15.7]	1.0	[0.4,2.8]	100.0
Black, non-Hispanic (n=46)	64.4	[46.5,79.0]	27.9	[15.2,45.6]	7.7	[2.0,25.8]	100.0
Hispanic (n=14)	69.5	[37.1,89.8]	27.4	[8.3,61.1]	3.1	[0.5,17.7]	100.0
Other, non-Hispanic (n=21)	81.9	[49.7,95.4]	18.1	[4.6,50.3]	0.0		100.0
Pearson: Uncorrected chi2(6) =	22.0611						
Design-based F(4.93, 1380.80) =	2.9191	Pr =	0.013				
FPL category							
0-35% (n=115)	85.2	[77.2,90.7]	12.2	[7.2,19.8]	2.7	[0.8,8.4]	100.0
36-99% (n=91)	79.1	[69.6,86.2]	18.9	[12.2,28.2]	2.0	[0.6,6.7]	100.0
100%+ (n=89)	68.5	[58.5,77.0]	30.0	[21.6,40.0]	1.5	[0.4,4.9]	100.0
Pearson: Uncorrected chi2(4) =	8.4058						
Design-based F(3.28, 927.74) =	3.3073	Pr =	0.017				
Region							
UP/NW/NE (n=49)	88.9	[77.2,95.0]	10.3	[4.4,22.2]	0.9	[0.2,4.4]	100.0
W/E Central/E (n=86)	86.0	[76.7,91.9]	13.7	[7.8,23.0]	0.3	[0.1,2.0]	100.0
S Central/SW/SE (n=73)	87.3	[79.6,92.4]	9.7	[5.5,16.6]	2.9	[0.9,8.8]	100.0
Detroit Metro (n=87)	74.1	[61.8,83.4]	21.8	[13.4,33.5]	4.1	[1.0,14.8]	100.0
Pearson: Uncorrected chi2(6) =	9.6928						
Design-based F(4.49, 1271.57) =	2.2519	Pr =	0.054				
Total (n=295)	82.0	[76.3,86.5]	15.7	[11.5,21.0]	2.4	[0.9,6.1]	100.0

9.8.1.1 Q: Why not?

Universe: Respondents who tried to keep their existing doctor or clinic and were not able to (n = 59)

	Percent	95%CI
My doctor/clinic does not take Medicaid (n=42)	66.2	[66.2,66.2]
Other (n=16)	31.0	[31.0,31.0]
N/A: hadn't picked a doctor yet (n=1)	1.6	[1.6,1.6]

**2017 Healthy Michigan Voices New Enrollee Survey
Appendix B**

Contents

1	Demographics	B4
1.1	Demographic comparison of new enrollees in 2017 and enrollees in 2016	B4
2	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.	B6
2.1	Health status by insurance status in the 12 months prior to HMP	B6
2.2	Number of chronic conditions by insurance status in the 12 months prior to HMP	B6
3	Aim 2: To describe perceptions and understanding of Medicaid coverage, HMP policies, and cost-sharing and how these change over time with enrollment.	B7
3.1	Knowledge and understanding of HMP cost-sharing requirements and healthy behavior rewards	B7
3.1.1	Did not receive information about HMP cost-sharing by age and education	B7
3.1.2	Awareness of ways to reduce payments by presence of a chronic condition	B7
3.1.3	Awareness that HRA completion reduces amount owed by presence of a chronic condition	B8
3.2	Knowledge and understanding of HMP covered benefits and costs	B9
3.2.1	Knowledge of HMP covered benefits and costs by age, gender, race/ethnicity, FPL, region, and level of education	B9
3.2.2	Predictors of knowledge of HMP covered benefits and costs	B10
4	Aim 3: To understand financial and non-financial barriers and facilitators to care and how those change over time of enrollment and disenrollment.	B11
4.1	Regular source of care prior to HMP	B11
4.1.1	Predictors of regular source of care prior to HMP	B11
4.1.2	Predictors of regular source of care prior to HMP (predicted values)	B12
4.2	Forgone health and dental care prior to HMP	B13
4.2.1	Forgone health care prior to HMP by insurance status in the 12 months prior to HMP enrollment and chronic conditions	B13
4.2.2	Forgone dental care prior to HMP by insurance status in the 12 months prior to HMP enrollment and chronic conditions	B15
4.2.3	Forgone health or dental care prior to HMP by insurance status in the 12 months prior to HMP enrollment and chronic conditions	B17
4.2.4	Forgone health care due to financial reasons prior to HMP by insurance status in the 12 months prior to HMP enrollment and chronic conditions	B19
4.2.5	Predictors of forgone health and dental care prior to HMP	B21
4.2.6	Predictors of forgone health and dental care prior to HMP (predicted values)	B22
4.3	Financial consequences of health care	B23
4.3.1	Out-of-pocket costs prior to HMP by FPL, insurance status in the 12 months prior to HMP enrollment, and chronic conditions	B23
4.3.2	Problems paying medical bills prior to HMP by FPL, insurance status in the 12 months prior to HMP enrollment, and chronic conditions	B25
4.3.3	Contacted by a collections agency prior to HMP by FPL, insurance status in the 12 months prior to HMP enrollment, and chronic conditions	B27
4.3.4	Thought about filing for bankruptcy prior to HMP by FPL, insurance status in the 12 months prior to HMP enrollment, and chronic conditions	B29
5	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.	B31
5.1	Health Risk Assessment	B31
5.1.1	Completing the HRA taught me something about my health by level of education, age, health status, and number of chronic conditions	B31
6	Aim 5: To understand HMP enrollees' decisions about when, where and how to seek care, including decisions about emergency department utilization.	B32
7	Aim 6: To understand why enrollees lose or drop HMP coverage and what, if any, source of health insurance coverage they subsequently obtain.	B32

8	Aim 7: To describe the experiences and perceptions of HMP enrollees who may have been eligible for HMP for some time before enrolling.	B33
8.1	Insurance status in the 12 months prior to HMP	B33
8.1.1	Predictors of insurance at any time in the 12 months prior to HMP, among enrollees surveyed in 2016 and new enrollees surveyed in 2017	B33
8.1.2	Insurance status in the 12 months prior to HMP enrollment by FPL and employment status	B34
8.1.3	Reasons for no insurance, among those uninsured all 12 months prior to HMP enrollment	B35
8.1.4	Reasons for no insurance, among those uninsured some of the past 12 months prior to HMP enrollment	B36
8.1.5	Predictors of being uninsured all 12 months prior to HMP, among those uninsured at any time in the past 12 months prior to HMP enrollment	B37
8.2	Reasons for not applying for HMP	B38
8.2.1	Knew about HMP while uninsured but did not apply by number of chronic conditions, experience of homelessness, housing instability, and health literacy	B38
8.2.2	Reasons for not applying to HMP: Didn't think I was eligible by number of chronic conditions, experience of homelessness, housing instability, and health literacy	B39
8.2.3	Reasons for not applying to HMP: Didn't get around to it by number of chronic conditions, experience of homelessness, housing instability, and health literacy	B40
8.3	Applying for HMP	B41
8.3.1	Reason for applying: Lost my other health insurance by chronic conditions, experience of homelessness, housing instability, health literacy, and insurance status in the 12 months prior to HMP	B41
8.3.2	Reason for applying: Had a medical condition that needed care by chronic conditions, experience of homelessness, housing instability, health literacy, and insurance status in the 12 months prior to HMP	B43
8.3.3	Reason for applying: Suggested/signed up at ER/hospital/other by chronic conditions, experience of homelessness, housing instability, health literacy, and insurance status in the 12 months prior to HMP	B45
8.3.4	Reason for applying: Suggested/signed up by caseworker/social services agency by chronic conditions, experience of homelessness, housing instability, health literacy, and insurance status in the 12 months prior to HMP	B47
8.3.5	Reason for applying: Needed some form of health insurance by chronic conditions, experience of homelessness, housing instability, health literacy, and insurance status in the 12 months prior to HMP	B49
8.3.6	Reason for applying: Wanted to avoid tax return garnishment/penalty by chronic conditions, experience of homelessness, housing instability, health literacy, and insurance status in the 12 months prior to HMP	B51
8.3.7	Reason for applying: Other by chronic conditions, experience of homelessness, housing instability, health literacy, and insurance status in the 12 months prior to HMP	B53
8.3.8	Reason for applying: Lost my other health insurance by specific age categories	B55
8.3.9	Reason for applying: Needed some form of health insurance by specific age categories	B55

1 Demographics

1.1 Demographic comparison of new enrollees in 2017 and enrollees in 2016

	Enrollees surveyed in 2016 ^a		New enrollees surveyed in 2017 ^b	
	Weighted %	95% CI	Weighted %	95% CI
Age				
19-34	40.0	[38.0, 42.0]	41.4	[36.7, 46.3]
35-50	34.0	[32.1, 35.9]	30.4	[26.1, 35.1]
51-64	26.0	[24.5, 27.6]	28.2	[24.3, 32.4]
Gender				
Male	48.4	[46.5, 50.4]	62.6	[58.0, 67.0]
Female	51.6	[49.6, 53.5]	37.4	[33.0, 42.0]
Race				
White	61.2	[59.3, 63.0]	63.2	[58.5, 67.6]
Black or African American	26.1	[24.3, 27.9]	23.2	[19.5, 27.4]
Other	8.8	[7.7, 10.0]	9.2	[6.7, 12.4]
More than one	4.0	[3.3, 4.9]	4.4	[2.7, 7.2]
FPL category				
0-35%	51.8	[50.8, 52.8]	70.2	[69.0, 71.3]
36-99%	28.4	[27.6, 29.3]	17.1	[16.3, 18.0]
100%+	19.8	[19.1, 20.4]	12.7	[12.0, 13.5]
Region				
UP/NW/NE	9.0	[8.6, 9.4]	9.6	[8.6, 10.7]
W/E Central/E	28.6	[27.8, 29.4]	27.9	[26.6, 29.3]
S Central/SW/SE	18.6	[17.8, 19.3]	22.0	[20.6, 23.5]
Detroit Metro	43.8	[42.8, 44.9]	40.5	[39.1, 41.9]
Hispanic/Latino				
Yes	5.2	[4.4, 6.2]	6.5	[4.3, 9.6]
No	94.3	[93.3, 95.2]	93.1	[90.0, 95.4]
Don't know	0.5	[0.2, 0.9]	0.4	[0.1, 1.7]
Arab, Chaldean, Middle Eastern				
Yes	6.2	[5.3, 7.2]	3.8	[2.3, 6.2]
No	93.6	[92.5, 94.5]	96.2	[93.8, 97.7]
Don't know	0.3	[0.1, 0.6]	-	-
Urbanicity				
Urban	81.0	[80.0, 82.0]	81.4	[78.5, 84.0]
Suburban	8.8	[7.9, 9.7]	7.7	[5.6, 10.4]
Rural	10.2	[9.7, 10.7]	10.9	[9.3, 12.6]
Employed or self-employed				
	48.8	[47.0, 50.7]	55.1	[50.2, 59.9]
Veteran				
Yes	3.4	[2.7, 4.2]	5.6	[3.7, 8.4]
No	96.5	[95.7, 97.2]	94.4	[91.6, 96.3]
Don't know	0.1	[0.0, 0.5]	-	-
Marital status				
Married	20.4	[19.0, 21.8]	17.2	[14.3, 20.6]
Partnered	4.3	[3.6, 5.1]	3.1	[1.9, 4.9]
Divorced	18.2	[16.8, 19.6]	18.2	[14.9, 22.0]
Widowed	2.8	[2.3, 3.4]	2.5	[1.4, 4.4]
Separated	2.8	[2.3, 3.4]	3.1	[1.7, 5.4]
Never married	51.6	[49.6, 53.5]	55.4	[50.6, 60.0]
Don't know	0.1	[0.0, 0.2]	0.6	[0.1, 2.3]
Any chronic condition				
Yes	69.2	[67.3, 71.0]	66.8	[62.0, 71.3]
No	30.8	[29.0, 32.7]	33.2	[28.7, 38.0]
Other HMP enrollee in household				
Yes	35.7	[34.0, 37.5]	27.8	[23.8, 32.2]
No	58.0	[56.1, 59.8]	66.2	[61.6, 70.6]
Don't know	6.3	[5.3, 7.6]	6.0	[3.9, 9.0]

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Need help reading written materials				
Never	72.6	[70.8, 74.3]	68.2	[63.4, 72.6]
Rarely	10.6	[9.5, 12.0]	15.5	[12.1, 19.5]
Sometimes	10.6	[9.4, 11.9]	8.3	[6.1, 11.3]
Often	2.4	[1.8, 3.1]	4.0	[2.5, 6.3]
Always	3.7	[3.1, 4.5]	4.1	[2.5, 6.5]
Don't know	0.0	[0.0, 0.1]	-	-
Insurance at any time in the 12 months prior to HMP				
Yes	40.7	[38.8, 42.6]	53.1	[48.2, 57.9]
No	57.9	[55.9, 59.8]	46.5	[41.7, 51.4]
Don't know	1.4	[1.0, 2.1]	0.4	[0.2, 1.1]
Health status				
Excellent	9.5	[8.4, 10.8]	9.9	[7.3, 13.3]
Very good	26.8	[25.0, 28.7]	25.4	[21.4, 29.9]
Good	33.8	[32.0, 35.7]	33.4	[29.1, 38.0]
Fair	22.2	[20.7, 23.8]	24.9	[20.9, 29.5]
Poor	7.5	[6.6, 8.6]	5.8	[4.0, 8.3]
Don't know	0.1	[0.0, 0.4]	0.6	[0.2, 2.6]
Regular source of care prior to HMP				
Yes	78.3	[72.0, 75.5]	63.5	[58.6, 68.2]
No	24.0	[22.4, 25.8]	32.5	[28.0, 37.3]
NA-didn't need care	2.1	[1.5, 2.8]	3.5	[2.0, 5.9]
Don't know	0.1	[0.1, 0.4]	0.5	[0.1, 2.3]

Note: Weighted proportions

2 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.

2.1 Health status by insurance status in the 12 months prior to HMP

	Excellent		Very good		Good		Fair		Poor		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Insurance status in 12 months prior to HMP											
Uninsured all 12 months (n=278)	12.1	[8.0, 18.0]	24.3	[18.8, 30.8]	32.4	[26.2, 39.3]	26.0	[20.2, 32.8]	5.2	[3.0, 8.7]	100.0
Uninsured some of the 12 months (n=152)	6.6	[3.3, 12.7]	29.2	[21.0, 39.1]	32.2	[24.1, 41.5]	26.4	[18.5, 36.1]	5.5	[2.5, 11.7]	100.0
Insured all 12 months (n=169)	9.3	[5.1, 16.4]	24.1	[16.9, 33.0]	37.0	[28.6, 46.2]	22.9	[15.8, 31.9]	6.8	[3.3, 13.6]	100.0
Pearson: Uncorrected chi2(8) = Design-based F(7.94, 4658.65) =	5.9236 0.5073		Pr =	0.850							
Total (n=604)	9.9	[7.3, 13.4]	25.6	[21.5, 30.1]	33.6	[29.3, 38.3]	25.1	[21.0, 29.7]	5.8	[4.0, 8.3]	100.0

Note: χ^2 test of independence.

2.2 Number of chronic conditions by insurance status in the 12 months prior to HMP

	Number of chronic conditions						Total Row%
	None		One		Two or more		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Insurance status in 12 months prior to HMP							
Uninsured all 12 months (n=280)	35.2	[28.7, 42.3]	27.1	[21.0, 34.2]	37.7	[31.3, 44.6]	100.0
Uninsured some of the 12 months (n=153)	34.6	[25.9, 44.4]	28.6	[20.7, 38.0]	36.8	[28.1, 46.4]	100.0
Insured all 12 months (n=169)	28.9	[20.9, 38.6]	19.6	[13.5, 27.6]	51.5	[42.2, 60.6]	100.0
Pearson: Uncorrected chi2(4) = Design-based F(3.98, 2347.71) =	10.3065 1.7297		Pr =	0.141			
Total (n=607)	33.2	[28.7, 38.0]	25.6	[21.5, 30.1]	41.2	[36.6, 46.0]	100.0

Note: χ^2 test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

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

3.1 Knowledge and understanding of HMP cost-sharing requirements and healthy behavior rewards

3.1.1 Did not receive information about HMP cost-sharing by age and education

	Did not receive cost sharing info				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
Age					
19-34 (n=220)	20.8	[15.3, 27.6]	79.2	[72.4, 84.7]	100.0
35-50 (n=178)	30.3	[22.7, 39.0]	69.7	[61.0, 77.3]	100.0
51-64 (n=209)	21.0	[15.1, 28.4]	79.0	[71.6, 84.9]	100.0
Pearson: Uncorrected chi2(2) =	6.2677				
Design-based F(1.99, 1181.34) =	2.2459	Pr =	0.107		
Highest level of education					
High school or less (n=291)	27.5	[21.7, 34.2]	72.5	[65.8, 78.3]	100.0
Some college/ Associate's (n=232)	21.1	[15.7, 27.8]	78.9	[72.2, 84.3]	100.0
Bachelor's degree or higher (n=83)	16.9	[9.1, 29.2]	83.1	[70.8, 90.9]	100.0
Pearson: Uncorrected chi2(2) =	5.4796				
Design-based F(1.99, 1179.38) =	1.8814	Pr =	0.153		
Total (n=607)	23.7	[19.9, 28.0]	76.3	[72.0, 80.1]	100.0

Note: χ^2 test of independence. Respondents were asked "How did you receive information about how much you will need to pay to be in the Healthy Michigan Plan?" and answered either that they did not get any information or that they don't know.

3.1.2 Awareness of ways to reduce payments by presence of a chronic condition

	Awareness of ways to reduce payments				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
Any chronic condition					
Yes (n=421)	4.0	[2.4, 6.7]	96.0	[93.3, 97.6]	100.0
No (n=186)	2.6	[1.1, 6.2]	97.4	[93.8, 98.9]	100.0
Pearson: Uncorrected chi2(1) =	0.7816				
Design-based F(1.00, 595.00) =	0.7032	Pr =	0.402		
Total (n=607)	3.6	[2.3, 5.6]	96.4	[94.4, 97.7]	100.0

Note: χ^2 test of independence. Respondents were asked "Do you know about any ways to reduce the amount you might have to pay?" and were coded as Yes if they gave any answer.

3.1.3 Awareness that HRA completion reduces amount owed by presence of a chronic condition

	Awareness that HRA completion reduces amount owed						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Any chronic condition							
Yes (n=419)	31.0	[25.9, 36.5]	12.0	[8.7, 16.5]	57.0	[51.1, 62.6]	100.0
No (n=186)	37.3	[29.2, 46.1]	7.9	[4.3, 14.1]	54.8	[46.0, 63.3]	100.0
Pearson: Uncorrected chi2(2) =	3.8426						
Design-based F(2.00, 1185.85) =	1.2387	Pr =	0.290				
Total (n=605)	33.1	[28.7, 37.8]	10.7	[8.0, 14.1]	56.2	[51.4, 61.0]	100.0

Note: χ^2 test of independence. Respondents were asked to say "Yes," "No," or "Don't know" to the following statement: "I may get a reduction in the amount I might have to pay if I complete a health risk assessment."

3.2 Knowledge and understanding of HMP covered benefits and costs

3.2.1 Knowledge of HMP covered benefits and costs by age, gender, race/ethnicity, FPL, region, and level of education

	Mean	SE	95%CI	Coef	95%CI	p-value
Age^a						
19-34	4.7	0.17	[4.3, 5.0]		Reference	
35-50	5.0	0.21	[4.6, 5.4]	0.34	[-0.21, 0.88]	0.224
51-64	5.3	0.21	[4.9, 5.7]	0.61	[0.07, 1.15]	0.026
Gender						
Male	4.7	0.15	[4.4, 5.0]		Reference	
Female	5.3	0.16	[5.0, 5.6]	0.59	[0.15, 1.03]	0.008
Race/ethnicity						
White, non-Hispanic	4.9	0.14	[4.6, 5.2]		Reference	
Black, non-Hispanic	5.2	0.27	[4.6, 5.7]	0.24	[-0.36, 0.83]	0.437
Hispanic	5.0	0.33	[4.3, 5.6]	0.05	[-0.66, 0.76]	0.884
Other, non-Hispanic	4.5	0.39	[3.8, 5.3]	-0.40	[-1.21, 0.42]	0.339
FPL category						
0-35%	5.1	0.15	[4.8, 5.4]		Reference	
36-99%	4.6	0.16	[4.2, 4.9]	-0.33	[-0.77, 0.11]	0.139
≥ 100%	5.0	0.16	[4.7, 5.3]	0.08	[-0.37, 0.53]	0.732
Region						
UP/NW/NE	4.4	0.37	[3.6, 5.1]		Reference	
W/E Central/E	5.0	0.21	[4.6, 5.4]	-0.04	[-0.63, 0.55]	0.889
S Central/SW/SE	4.8	0.22	[4.4, 5.2]	-0.04	[-0.64, 0.56]	0.892
Detroit Metro	5.2	0.19	[4.8, 5.5]	0.05	[-0.52, 0.62]	0.858
Highest level of education						
High school or less	4.5	0.17	[4.2, 4.9]		Reference	
Some college/ Associate's	5.3	0.18	[4.9, 5.6]	0.76	[0.27, 1.25]	0.002
Bachelor's degree or higher	5.6	0.25	[5.1, 6.1]	1.07	[0.47, 1.66]	0.000
Total	5.0	0.11	[4.7, 5.2]			

Note: Weighted means and unadjusted linear regression models for significance testing. Knowledge score is the count of correct answers to a series of questions about the HMP program (range 0-10):

- I could be dropped from the Healthy Michigan Plan for not paying my bill. Y/N/DK
- I may get a reduction in the amount I might have to pay if I complete a health risk assessment. Y/N/DK
- Some kinds of visits, tests and medicines have no copays. Y/N/DK
- Do you think the following are covered under Healthy Michigan Plan, not covered, or you don't know: Eyeglasses, prescription medications, routine dental care, treatment to stop smoking, birth control or family planning, counseling for mental or emotional problems, substance use treatment.

3.2.2 Predictors of knowledge of HMP covered benefits and costs

	Knowledge of HMP-covered benefits and costs			Predicted value
	Coef	95% CI	p-value	
Survey year				
Enrollees surveyed in 2016		Reference		3.11
New enrollees surveyed in 2017	-0.25	[-0.41,- 0.09]	0.003	2.86
Gender				
Male		Reference		
Female	0.30	[0.19, 0.42]	0.000	
Age				
19-34		Reference		
35-50	0.07	[-0.07, 0.20]	0.320	
51-64	0.15	[0.02, 0.28]	0.020	
Race/ethnicity				
White, non-Hispanic		Reference		
Black, non-Hispanic	-0.07	[-0.21, 0.07]	0.354	
Hispanic	-0.15	[-0.38, 0.08]	0.209	
Other, non-Hispanic	-0.21	[-0.40,- 0.02]	0.032	
FPL category				
0-35%		Reference		
36-99%	-0.03	[-0.15, 0.09]	0.656	
100%+	-0.17	[-0.31,- 0.04]	0.010	
Constant	2.98	[2.84, 3.12]	0.000	
N	4,642			
F-value	6.836			
Model degrees of freedom	9.000			
Residual degrees of freedom	4,630.000			
F-value significance	0.000			

Note: Adjusted linear regression with predicted margins. Knowledge score is the count of correct answers to a series of questions about the HMP program, which were common to both the 2016 and 2017 surveys (Range 0-6).

- I could be dropped from the Healthy Michigan Plan for not paying my bill. Y/N/DK
- I may get a reduction in the amount I might have to pay if I complete a health risk assessment. Y/N/DK
- Some kinds of visits, tests and medicines have no copays. Y/N/DK
- Do you think the following are covered under Healthy Michigan Plan, not covered, or you don't know: Eyeglasses, routine dental care, counseling for mental or emotional problems.

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

4.1 Regular source of care prior to HMP

4.1.1 Predictors of regular source of care prior to HMP

	RSOC prior to HMP		
	aOR	95% CI	p-value
Survey Year			
Enrollees surveyed in 2016		Reference	
New enrollees surveyed in 2017	0.61	[0.47, 0.78]	0.000
Gender			
Male		Reference	
Female	1.72	[1.43, 2.08]	0.000
Age			
19-34		Reference	
35-50	0.90	[0.71, 1.15]	0.399
51-64	0.81	[0.65, 1.02]	0.079
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.37	[1.07, 1.75]	0.013
Hispanic	1.00	[0.64, 1.56]	0.993
Other, non-Hispanic	1.34	[0.94, 1.91]	0.103
FPL category			
0-35%		Reference	
36-99%	0.95	[0.76, 1.18]	0.630
100%+	1.19	[0.94, 1.49]	0.147
Health status			
Excellent		Reference	
Very good	1.63	[1.15, 2.32]	0.006
Good	1.21	[0.85, 1.72]	0.291
Fair	1.64	[1.11, 2.42]	0.012
Poor	1.18	[0.74, 1.88]	0.498
Number of chronic conditions			
None		Reference	
One	1.60	[1.23, 2.09]	0.000
Two or more	2.13	[1.62, 2.79]	0.000
Insurance status in 12 months prior to HMP			
Uninsured all 12 months		Reference	
Uninsured some of the 12 months	2.59	[1.86, 3.61]	0.000
Insured all 12 months	3.73	[2.91, 4.77]	0.000
Constant	0.66	[0.46, 0.94]	0.023
N	4,514		
F-value	13.604		
Model degrees of freedom	17.000		
Residual degrees of freedom	4,502.000		
F-value significance	0.000		

Note: Adjusted logistic regression.

4.1.2 Predictors of regular source of care prior to HMP (predicted values)

	RSOC prior to HMP	
	Predicted values (%)	95% CI
Survey year		
Enrollees surveyed in 2016	73.7	[71.9, 75.5]
New enrollees surveyed in 2017	64.3	[59.6, 68.9]
Gender		
Male	68.7	[66.0, 71.4]
Female	78.3	[76.2, 80.5]
Age		
19-34	75.1	[72.3, 77.9]
35-50	73.3	[70.3, 76.4]
51-64	71.5	[68.6, 74.4]
Race/ethnicity		
White, non-Hispanic	71.6	[69.3, 73.8]
Black, non-Hispanic	77.0	[73.5, 80.4]
Hispanic	71.6	[63.8, 79.4]
Other, non-Hispanic	76.6	[71.2, 82.1]
FPL category		
0-35%	73.3	[70.6, 75.9]
36-99%	72.3	[69.4, 75.2]
100%+	76.2	[73.2, 79.1]
Health status		
Excellent	67.7	[61.7, 73.7]
Very good	76.6	[73.2, 79.9]
Good	71.3	[68.3, 74.4]
Fair	76.7	[73.1, 80.3]
Poor	70.8	[64.6, 77.0]
Number of chronic conditions		
None	65.3	[61.5, 69.1]
One	74.3	[71.1, 77.5]
Two or more	78.9	[76.3, 81.5]
Insurance in 12 months prior to HMP		
Uninsured all 12 months	65.3	[62.9, 67.7]
Uninsured some of the 12 months	82.4	[78.1, 86.8]
Insured all 12 months	87.0	[84.5, 89.4]
Observations	4,514	

Note: Predicted margins from adjusted logistic regression.

4.2 Forgone health and dental care prior to HMP

4.2.1 Forgone health care prior to HMP by insurance status in the 12 months prior to HMP enrollment and chronic conditions

	Forgone health care prior to HMP						Total Row%
	Row%	Yes 95%CI	Row%	No 95%CI	Row%	Don't know 95%CI	
Insurance status in 12 months prior to HMP							
Uninsured all 12 months (n=280)	24.7	[19.4, 30.8]	74.1	[68.0, 79.4]	1.2	[0.5, 3.1]	100.0
Uninsured some of the 12 months (n=153)	23.4	[15.9, 33.1]	75.0	[65.1, 82.8]	1.6	[0.2, 10.1]	100.0
Insured all 12 months (n=169)	10.4	[6.2, 16.9]	89.6	[83.1, 93.8]	0.0		100.0
Pearson: Uncorrected chi2(4) =	17.3774						
Design-based F(3.59, 2115.73) =	3.0033	Pr =	0.022				
Any chronic condition							
Yes (n=421)	23.4	[19.0, 28.5]	75.4	[70.3, 79.9]	1.1	[0.4, 3.4]	100.0
No (n=186)	14.3	[9.2, 21.6]	85.1	[77.7, 90.3]	0.6	[0.1, 3.6]	100.0
Pearson: Uncorrected chi2(2) =	7.4347						
Design-based F(1.96, 1166.03) =	2.7913	Pr =	0.063				
Hypertension							
Yes (n=181)	26.5	[19.6, 34.7]	72.9	[64.6, 79.8]	0.6	[0.1, 3.8]	100.0
No (n=425)	18.0	[14.1, 22.7]	80.9	[76.2, 84.9]	1.1	[0.4, 3.3]	100.0
Pearson: Uncorrected chi2(2) =	5.6246						
Design-based F(1.97, 1173.01) =	2.3676	Pr =	0.095				
Heart condition or heart disease							
Yes (n=47)	17.5	[7.9, 34.3]	82.5	[65.7, 92.1]	0.0		100.0
No (n=556)	20.8	[17.1, 25.0]	78.2	[73.9, 81.9]	1.0	[0.4, 2.7]	100.0
Pearson: Uncorrected chi2(2) =	0.6421						
Design-based F(1.98, 1170.73) =	0.2591	Pr =	0.770				
Diabetes							
Yes (n=49)	43.4	[28.1, 60.0]	56.6	[40.0, 71.9]	0.0		100.0
No (n=556)	18.7	[15.2, 22.8]	80.3	[76.1, 83.9]	1.0	[0.4, 2.7]	100.0
Pearson: Uncorrected chi2(2) =	14.9511						
Design-based F(2.00, 1183.21) =	5.7778	Pr =	0.003				
Cancer							
Yes (n=29)	43.7	[24.6, 64.9]	56.3	[35.1, 75.4]	0.0		100.0
No (n=575)	19.4	[15.8, 23.5]	79.6	[75.4, 83.2]	1.0	[0.4, 2.6]	100.0
Pearson: Uncorrected chi2(2) =	9.3594						
Design-based F(1.99, 1176.60) =	3.5619	Pr =	0.029				
Mood disorder							
Yes (n=184)	26.1	[19.6, 33.8]	72.3	[64.3, 79.1]	1.6	[0.4, 7.3]	100.0
No (n=418)	17.7	[13.7, 22.5]	81.7	[76.8, 85.7]	0.7	[0.2, 2.0]	100.0
Pearson: Uncorrected chi2(2) =	7.1329						
Design-based F(2.00, 1179.68) =	2.6647	Pr =	0.070				
Stroke							
Yes (n=16)	19.1	[5.1, 50.9]	80.9	[49.1, 94.9]	0.0		100.0
No (n=591)	20.4	[16.9, 24.5]	78.6	[74.4, 82.2]	1.0	[0.4, 2.5]	100.0
Pearson: Uncorrected chi2(2) =	0.1496						
Design-based F(1.99, 1185.48) =	0.0606	Pr =	0.941				
Asthma							
Yes (n=80)	31.4	[20.3, 45.1]	68.0	[54.3, 79.1]	0.6	[0.1, 3.2]	100.0
No (n=527)	18.8	[15.2, 23.0]	80.2	[75.9, 83.9]	1.0	[0.4, 2.8]	100.0
Pearson: Uncorrected chi2(2) =	6.5565						
Design-based F(1.54, 918.33) =	3.4887	Pr =	0.043				
Chronic lung disease, COPD, or emphysema							
Yes (n=54)	22.1	[13.0, 35.0]	77.9	[65.0, 87.0]	0.0		100.0
No (n=550)	20.2	[16.5, 24.5]	78.7	[74.4, 82.5]	1.0	[0.4, 2.7]	100.0
Pearson: Uncorrected chi2(2) =	0.5204						
Design-based F(1.88, 1114.01) =	0.2398	Pr =	0.773				

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Substance use disorder							
Yes (n=24)	22.9	[10.2, 43.6]	77.1	[56.4, 89.8]	0.0		100.0
No (n=582)	20.1	[16.5, 24.2]	78.9	[74.7, 82.6]	1.0	[0.4, 2.6]	100.0
Pearson: Uncorrected chi2(2) =	0.4231						
Design-based F(1.98, 1176.58) =	0.1590	Pr =	0.851				
Arthritis or a related condition							
Yes (n=134)	23.6	[16.3, 32.9]	76.4	[67.1, 83.7]	0.0		100.0
No (n=471)	19.0	[15.1, 23.5]	79.8	[75.2, 83.8]	1.2	[0.5, 3.2]	100.0
Pearson: Uncorrected chi2(2) =	2.8591						
Design-based F(2.00, 1184.93) =	1.0648	Pr =	0.345				
Other: cholesterol							
Yes (n=11)	10.7	[2.2, 39.1]	89.3	[60.9, 97.8]	0.0		100.0
No (n=145)	24.5	[17.1, 33.9]	74.6	[65.3, 82.2]	0.8	[0.1, 4.9]	100.0
Pearson: Uncorrected chi2(2) =	1.0070						
Design-based F(1.85, 266.29) =	0.5813	Pr =	0.547				
Total (n=607)	20.4	[16.9, 24.4]	78.6	[74.5, 82.2]	1.0	[0.4, 2.5]	100.0

Note: χ^2 test of independence. Any chronic condition is defined as any of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

4.2.2 Forgone dental care prior to HMP by insurance status in the 12 months prior to HMP enrollment and chronic conditions

	Forgone dental care prior to HMP						Total Row%
	Row%	Yes 95%CI	No 95%CI	Don't know 95%CI			
Insurance status in 12 months prior to HMP							
Uninsured all 12 months (n=280)	39.1	[32.5, 46.1]	60.9	[53.9, 67.5]	0.0		100.0
Uninsured some of the 12 months (n=153)	34.2	[25.9, 43.6]	65.4	[56.0, 73.7]	0.4	[0.1, 2.2]	100.0
Insured all 12 months (n=169)	27.1	[19.8, 35.9]	72.6	[63.8, 80.0]	0.2	[0.0, 1.4]	100.0
Pearson: Uncorrected chi2(4) =	7.5693						
Design-based F(3.02, 1779.77) =	2.0991	Pr =	0.098				
Any chronic condition							
Yes (n=421)	38.9	[33.4, 44.7]	60.9	[55.1, 66.4]	0.2	[0.1, 0.8]	100.0
No (n=186)	26.3	[19.7, 34.1]	73.7	[65.9, 80.3]	0.0		100.0
Pearson: Uncorrected chi2(2) =	10.0313						
Design-based F(1.53, 907.38) =	5.5230	Pr =	0.009				
Hypertension							
Yes (n=181)	43.1	[34.7, 51.8]	56.9	[48.2, 65.3]	0.0		100.0
No (n=425)	31.4	[26.4, 36.9]	68.4	[62.9, 73.4]	0.2	[0.1, 0.8]	100.0
Pearson: Uncorrected chi2(2) =	7.6931						
Design-based F(1.54, 912.36) =	4.2982	Pr =	0.022				
Heart condition or heart disease							
Yes (n=47)	32.1	[18.3, 49.9]	66.8	[49.1, 80.8]	1.1	[0.2, 6.4]	100.0
No (n=556)	34.8	[30.2, 39.6]	65.1	[60.3, 69.7]	0.1	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(2) =	2.3313						
Design-based F(1.59, 941.73) =	1.5031	Pr =	0.225				
Diabetes							
Yes (n=49)	53.4	[37.1, 69.0]	46.6	[31.0, 62.9]	0.0		100.0
No (n=556)	33.4	[28.8, 38.2]	66.5	[61.6, 71.0]	0.2	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(2) =	6.9845						
Design-based F(1.61, 955.43) =	4.2792	Pr =	0.021				
Cancer							
Yes (n=29)	56.5	[34.6, 76.1]	43.5	[23.9, 65.4]	0.0		100.0
No (n=575)	33.9	[29.4, 38.6]	66.0	[61.2, 70.4]	0.2	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(2) =	5.7240						
Design-based F(1.57, 929.42) =	3.1985	Pr =	0.053				
Mood disorder							
Yes (n=184)	40.3	[32.2, 48.9]	59.4	[50.8, 67.5]	0.3	[0.0, 1.7]	100.0
No (n=418)	31.8	[26.7, 37.3]	68.1	[62.6, 73.2]	0.1	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(2) =	4.4968						
Design-based F(1.50, 887.09) =	2.5193	Pr =	0.096				
Stroke							
Yes (n=16)	25.2	[8.7, 54.4]	74.8	[45.6, 91.3]	0.0		100.0
No (n=591)	34.9	[30.5, 39.7]	64.9	[60.2, 69.4]	0.2	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(2) =	0.5592						
Design-based F(1.73, 1028.71) =	0.3768	Pr =	0.655				
Asthma							
Yes (n=80)	38.4	[26.5, 51.8]	61.1	[47.7, 73.0]	0.5	[0.1, 3.1]	100.0
No (n=527)	34.2	[29.5, 39.2]	65.7	[60.7, 70.4]	0.1	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(2) =	1.3314						
Design-based F(1.50, 894.54) =	0.7457	Pr =	0.439				
Chronic lung disease, COPD, or emphysema							
Yes (n=54)	40.8	[26.8, 56.4]	59.2	[43.6, 73.2]	0.0		100.0
No (n=550)	34.4	[29.8, 39.4]	65.4	[60.5, 70.0]	0.2	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(2) =	0.7606						
Design-based F(1.66, 980.86) =	0.5022	Pr =	0.571				

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Continued from previous page

Substance use disorder							
Yes (n=24)	27.0	[12.9, 48.2]	73.0	[51.8, 87.1]	0.0		100.0
No (n=582)	34.9	[30.4, 39.7]	64.9	[60.1, 69.4]	0.2	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(2) =	0.8391						
Design-based F(1.60, 949.97) =	0.4858	Pr =	0.573				
Arthritis or a related condition							
Yes (n=134)	43.9	[34.3, 54.0]	55.3	[45.2, 65.0]	0.7	[0.2, 2.6]	100.0
No (n=471)	32.1	[27.3, 37.4]	67.9	[62.6, 72.7]	0.0		100.0
Pearson: Uncorrected chi2(2) =	9.9945						
Design-based F(1.54, 911.90) =	5.6040	Pr =	0.008				
Other: cholesterol							
Yes (n=11)	16.5	[3.9, 49.1]	83.5	[50.9, 96.1]	100.0		
No (n=145)	40.0	[31.0, 49.7]	60.0	[50.3, 69.0]	100.0		
Pearson: Uncorrected chi2(1) =	1.9874						
Design-based F(1.00, 144.00) =	2.3721	Pr =	0.126				
Total (n=607)	34.7	[30.3, 39.4]	65.1	[60.5, 69.5]	0.2	[0.0, 0.6]	100.0

Note: χ^2 test of independence. Any chronic condition is defined as any of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

4.2.3 Forgone health or dental care prior to HMP by insurance status in the 12 months prior to HMP enrollment and chronic conditions

	Forgone health or dental care prior to HMP				
	Row%	Yes 95%CI	Row%	No 95%CI	Total Row%
Insurance status in 12 months prior to HMP					
Uninsured all 12 months (n=280)	44.8	[37.9, 51.8]	55.2	[48.2, 62.1]	100.0
Uninsured some of the 12 months (n=153)	47.4	[37.9, 57.1]	52.6	[42.9, 62.1]	100.0
Insured all 12 months (n=169)	30.1	[22.5, 39.0]	69.9	[61.0, 77.5]	100.0
Pearson: Uncorrected chi2(2) =	12.2904				
Design-based F(2.00, 1179.91) =	4.2827	Pr =	0.014		
Any chronic condition					
Yes (n=421)	46.7	[41.0, 52.5]	53.3	[47.5, 59.0]	100.0
No (n=186)	30.8	[23.6, 39.1]	69.2	[60.9, 76.4]	100.0
Pearson: Uncorrected chi2(1) =	14.0045				
Design-based F(1.00, 595.00) =	9.5688	Pr =	0.002		
Hypertension					
Yes (n=181)	50.6	[41.9, 59.2]	49.4	[40.8, 58.1]	100.0
No (n=425)	37.9	[32.5, 43.6]	62.1	[56.4, 67.5]	100.0
Pearson: Uncorrected chi2(1) =	8.2054				
Design-based F(1.00, 594.00) =	5.9459	Pr =	0.015		
Heart condition or heart disease					
Yes (n=47)	33.5	[19.5, 51.2]	66.5	[48.8, 80.5]	100.0
No (n=556)	41.9	[37.0, 46.9]	58.1	[53.1, 63.0]	100.0
Pearson: Uncorrected chi2(1) =	0.9909				
Design-based F(1.00, 591.00) =	0.8611	Pr =	0.354		
Diabetes					
Yes (n=49)	66.5	[49.8, 79.9]	33.5	[20.1, 50.2]	100.0
No (n=556)	39.6	[34.8, 44.7]	60.4	[55.3, 65.2]	100.0
Pearson: Uncorrected chi2(1) =	11.6601				
Design-based F(1.00, 593.00) =	9.8529	Pr =	0.002		
Cancer					
Yes (n=29)	77.2	[53.4, 90.9]	22.8	[9.1, 46.6]	100.0
No (n=575)	40.0	[35.3, 44.9]	60.0	[55.1, 64.7]	100.0
Pearson: Uncorrected chi2(1) =	14.4427				
Design-based F(1.00, 592.00) =	10.1511	Pr =	0.002		
Mood disorder					
Yes (n=184)	48.0	[39.4, 56.7]	52.0	[43.3, 60.6]	100.0
No (n=418)	38.2	[32.7, 44.0]	61.8	[56.0, 67.3]	100.0
Pearson: Uncorrected chi2(1) =	5.1402				
Design-based F(1.00, 590.00) =	3.4994	Pr =	0.062		
Stroke					
Yes (n=16)	25.2	[8.7, 54.4]	74.8	[45.6, 91.3]	100.0
No (n=591)	41.8	[37.1, 46.7]	58.2	[53.3, 62.9]	100.0
Pearson: Uncorrected chi2(1) =	1.4544				
Design-based F(1.00, 595.00) =	1.4083	Pr =	0.236		
Asthma					
Yes (n=80)	46.5	[33.7, 59.9]	53.5	[40.1, 66.3]	100.0
No (n=527)	40.7	[35.7, 45.9]	59.3	[54.1, 64.3]	100.0
Pearson: Uncorrected chi2(1) =	0.9405				
Design-based F(1.00, 595.00) =	0.6508	Pr =	0.420		
Chronic lung disease, COPD, or emphysema					
Yes (n=54)	49.8	[34.5, 65.2]	50.2	[34.8, 65.5]	100.0
No (n=550)	40.9	[36.0, 46.0]	59.1	[54.0, 64.0]	100.0
Pearson: Uncorrected chi2(1) =	1.3112				
Design-based F(1.00, 592.00) =	1.1434	Pr =	0.285		

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Continued from previous page

Substance use disorder					
Yes (n=24)	38.2	[20.2, 60.1]	61.8	[39.9, 79.8]	100.0
No (n=582)	41.5	[36.7, 46.4]	58.5	[53.6, 63.3]	100.0
Pearson: Uncorrected chi2(1) =	0.1256				
Design-based F(1.00, 594.00) =	0.0865	Pr =	0.769		
Arthritis or a related condition					
Yes (n=134)	52.1	[42.1, 62.0]	47.9	[38.0, 57.9]	100.0
No (n=471)	38.1	[33.0, 43.5]	61.9	[56.5, 67.0]	100.0
Pearson: Uncorrected chi2(1) =	8.2519				
Design-based F(1.00, 593.00) =	5.9439	Pr =	0.015		
Other: cholesterol					
Yes (n=11)	27.3	[8.2, 61.1]	72.7	[38.9, 91.8]	100.0
No (n=145)	48.3	[38.5, 58.2]	51.7	[41.8, 61.5]	100.0
Pearson: Uncorrected chi2(1) =	1.5158				
Design-based F(1.00, 144.00) =	1.5383	Pr =	0.217		
Total (n=607)	41.4	[36.8, 46.3]	58.6	[53.7, 63.2]	100.0

Note: χ^2 test of independence. Any chronic condition is defined as any of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

4.2.4 Forgone health care due to financial reasons prior to HMP by insurance status in the 12 months prior to HMP enrollment and chronic conditions

	Forgone health care due to financial reasons prior to HMP				
	Row%	Yes 95%CI	Row%	No 95%CI	Total Row%
Insurance status in 12 months prior to HMP					
Uninsured all 12 months (n=140)	96.7	[91.3, 98.8]	3.3	[1.2, 8.7]	100.0
Uninsured some of the 12 months (n=64)	87.3	[71.6, 95.0]	12.7	[5.0, 28.4]	100.0
Insured all 12 months (n=56)	95.2	[80.5, 99.0]	4.8	[1.0, 19.5]	100.0
Pearson: Uncorrected chi2(2) =	7.2646				
Design-based F(1.96, 486.89) =	2.3633	Pr =	0.096		
Any chronic condition					
Yes (n=195)	92.6	[85.9, 96.3]	7.4	[3.7, 14.1]	100.0
No (n=67)	97.3	[84.0, 99.6]	2.7	[0.4, 16.0]	100.0
Pearson: Uncorrected chi2(1) =	1.8674				
Design-based F(1.00, 250.00) =	1.1142	Pr =	0.292		
Hypertension					
Yes (n=88)	91.7	[80.9, 96.6]	8.3	[3.4, 19.1]	100.0
No (n=174)	94.9	[87.9, 97.9]	5.1	[2.1, 12.1]	100.0
Pearson: Uncorrected chi2(1) =	1.0141				
Design-based F(1.00, 250.00) =	0.5885	Pr =	0.444		
Heart condition or heart disease					
Yes (n=18)	100.0		0.0		100.0
No (n=243)	93.4	[87.8, 96.5]	6.6	[3.5, 12.2]	100.0
Pearson: Uncorrected chi2(1) =	0.9348				
Design-based F(1.00, 249.00) =	0.6741	Pr =	0.412		
Diabetes					
Yes (n=29)	86.2	[62.0, 96.0]	13.8	[4.0, 38.0]	100.0
No (n=232)	94.8	[89.3, 97.5]	5.2	[2.5, 10.7]	100.0
Pearson: Uncorrected chi2(1) =	3.3213				
Design-based F(1.00, 249.00) =	2.0136	Pr =	0.157		
Cancer					
Yes (n=22)	100.0		0.0		100.0
No (n=239)	93.2	[87.5, 96.4]	6.8	[3.6, 12.5]	100.0
Pearson: Uncorrected chi2(1) =	1.6023				
Design-based F(1.00, 249.00) =	1.0525	Pr =	0.306		
Mood disorder					
Yes (n=92)	91.5	[81.0, 96.5]	8.5	[3.5, 19.0]	100.0
No (n=168)	94.9	[88.1, 97.9]	5.1	[2.1, 11.9]	100.0
Pearson: Uncorrected chi2(1) =	1.1454				
Design-based F(1.00, 248.00) =	0.7131	Pr =	0.399		
Stroke					
Yes (n=5)	100.0		0.0		100.0
No (n=257)	93.7	[88.4, 96.7]	6.3	[3.3, 11.6]	100.0
Pearson: Uncorrected chi2(1) =	0.2421				
Design-based F(1.00, 250.00) =	0.2069	Pr =	0.650		
Asthma					
Yes (n=38)	91.0	[62.2, 98.4]	9.0	[1.6, 37.8]	100.0
No (n=224)	94.2	[89.0, 97.1]	5.8	[2.9, 11.0]	100.0
Pearson: Uncorrected chi2(1) =	0.5601				
Design-based F(1.00, 250.00) =	0.2360	Pr =	0.628		
Chronic lung disease, COPD, or emphysema					
Yes (n=29)	97.3	[84.8, 99.6]	2.7	[0.4, 15.2]	100.0
No (n=232)	93.4	[87.7, 96.6]	6.6	[3.4, 12.3]	100.0
Pearson: Uncorrected chi2(1) =	0.5264				
Design-based F(1.00, 249.00) =	0.9112	Pr =	0.341		

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Substance use disorder					
Yes (n=12)	82.2	[37.4, 97.3]	17.8	[2.7, 62.6]	100.0
No (n=249)	94.3	[89.1, 97.1]	5.7	[2.9, 10.9]	100.0
Pearson: Uncorrected chi2(1) =	2.9621				
Design-based F(1.00, 249.00) =	1.5577	Pr =	0.213		
Arthritis or a related condition					
Yes (n=66)	92.5	[78.0, 97.7]	7.5	[2.3, 22.0]	100.0
No (n=194)	94.2	[88.0, 97.3]	5.8	[2.7, 12.0]	100.0
Pearson: Uncorrected chi2(1) =	0.2339				
Design-based F(1.00, 248.00) =	0.1226	Pr =	0.727		
Other: cholesterol					
Yes (n=4)	89.1	[51.5, 98.4]	10.9	[1.6, 48.5]	100.0
No (n=72)	90.9	[74.3, 97.2]	9.1	[2.8, 25.7]	100.0
Pearson: Uncorrected chi2(1) =	0.0095				
Design-based F(1.00, 64.00) =	0.0269	Pr =	0.870		
Total (n=262)	93.8	[88.6, 96.7]	6.2	[3.3, 11.4]	100.0

Note: χ^2 test of independence. Any chronic condition is defined as any of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

4.2.5 Predictors of forgone health and dental care prior to HMP

	Forgone health care			Forgone dental care			Forgone health or dental care			Forgone health care due to financial reasons		
	aOR	95% CI	p-value	aOR	95% CI	p-value	aOR	95% CI	p-value	aOR	95% CI	p-value
Any chronic condition												
No		Reference			Reference			Reference			Reference	
Yes	1.83	[0.99, 3.38]	0.053	1.96	[1.26, 3.07]	0.003	2.20	[1.41, 3.44]	0.001	0.41	[0.03, 5.50]	0.498
Insurance status in 12 months prior to HMP												
Uninsured all 12 months		Reference			Reference			Reference			Reference	
Uninsured some of the 12 months	0.87	[0.45, 1.67]	0.674	0.80	[0.47, 1.36]	0.413	1.13	[0.67, 1.91]	0.650	0.29	[0.06, 1.28]	0.101
Insured all 12 months	0.31	[0.16, 0.59]	0.000	0.55	[0.33, 0.92]	0.023	0.50	[0.31, 0.82]	0.007	0.79	[0.12, 5.10]	0.802
FPL category												
0-35%		Reference			Reference			Reference			Reference	
36-99%	1.10	[0.65, 1.86]	0.712	1.49	[0.98, 2.27]	0.065	1.36	[0.89, 2.08]	0.158	2.78	[0.60, 12.86]	0.190
100%+	1.46	[0.88, 2.42]	0.142	1.22	[0.80, 1.86]	0.361	1.24	[0.82, 1.88]	0.308		Reference	
Race/ethnicity												
White, non-Hispanic		Reference			Reference			Reference			Reference	
Black, non-Hispanic	1.21	[0.65, 2.26]	0.553	1.71	[0.98, 2.97]	0.059	1.78	[1.03, 3.08]	0.039	0.94	[0.11, 8.35]	0.956
Hispanic	1.07	[0.29, 3.95]	0.921	1.28	[0.51, 3.19]	0.594	1.47	[0.58, 3.76]	0.419		Reference	
Other, non-Hispanic	1.06	[0.47, 2.38]	0.894	1.51	[0.74, 3.10]	0.261	1.53	[0.72, 3.27]	0.270	0.95	[0.11, 8.56]	0.964
Gender												
Male		Reference			Reference			Reference			Reference	
Female	1.82	[1.08, 3.06]	0.025	1.41	[0.91, 2.18]	0.120	1.30	[0.85, 1.99]	0.226	1.80	[0.42, 7.67]	0.422
Region												
UP/NW/NE		Reference			Reference			Reference			Reference	
W/E Central/E	0.69	[0.32, 1.49]	0.344	0.56	[0.29, 1.09]	0.089	0.62	[0.31, 1.21]	0.159	1.64	[0.13, 20.84]	0.700
S Central/SW/SE	0.73	[0.32, 1.68]	0.461	0.52	[0.26, 1.06]	0.073	0.58	[0.29, 1.17]	0.127	0.50	[0.04, 6.32]	0.591
Detroit Metro	0.63	[0.29, 1.39]	0.257	0.55	[0.28, 1.09]	0.088	0.55	[0.28, 1.09]	0.085	0.88	[0.07, 11.09]	0.921
Constant	0.22	[0.09, 0.56]	0.002	0.46	[0.22, 0.95]	0.035	0.53	[0.26, 1.08]	0.080	36.37	[1.33, 990.91]	0.033
N	592			595			597			172		
F-value	2.293			2.318			2.614			1.237		
Model degrees of freedom	12.000			12.000			12.000			10.000		
Residual degrees of freedom	580.000			583.000			585.000			164.000		
F-value significance	0.007			0.007			0.002			0.272		

Note: Adjusted logistic regression.

4.2.6 Predictors of forgone health and dental care prior to HMP (predicted values)

	Forgone health care		Forgone dental care		Forgone health or dental care		Forgone health care due to financial reasons	
	Predicted values(%)	95% CI	Predicted values(%)	95% CI	Predicted values(%)	95% CI	Predicted values(%)	95% CI
Any chronic condition								
No	14.4	[8.0, 20.7]	25.0	[18.2, 31.8]	29.4	[21.9, 36.8]	96.0	[87.3, 1.05]
Yes	23.1	[18.3, 27.8]	39.0	[33.2, 44.7]	46.9	[41.0, 52.7]	91.2	[85.3, 97.2]
Insurance status in 12 months prior to HMP								
Uninsured all 12 months	25.3	[19.5, 31.2]	38.9	[32.1, 45.8]	44.5	[37.6, 51.4]	95.5	[90.9, 1.00]
Uninsured some of the 12 months	22.9	[13.5, 32.2]	34.1	[24.8, 43.4]	47.4	[37.1, 57.6]	86.3	[74.9, 97.6]
Insured all 12 months	9.8	[5.0, 14.7]	26.4	[18.5, 34.2]	29.4	[21.4, 37.3]	94.4	[86.1, 1.03]
FPL category								
0-35%	19.1	[13.9, 24.2]	32.2	[26.1, 38.2]	39.1	[32.8, 45.4]	91.3	[85.3, 97.2]
36-99%	20.5	[14.8, 26.3]	40.9	[33.6, 48.2]	46.1	[38.6, 53.6]	96.5	[92.4, 1.01]
100%+	25.2	[18.7, 31.7]	36.4	[29.3, 43.4]	44.0	[36.7, 51.3]		
Race/ethnicity								
White, non-Hispanic	19.3	[14.8, 23.9]	30.4	[25.0, 35.9]	36.5	[30.8, 42.2]	92.4	[86.1, 98.8]
Black, non-Hispanic	22.3	[13.7, 30.9]	42.1	[31.3, 52.9]	49.7	[38.9, 60.5]	92.0	[79.6, 1.04]
Hispanic	20.3	[0.8, 39.8]	35.6	[16.5, 54.8]	45.2	[24.3, 66.2]		
Other, non-Hispanic	20.2	[8.6, 31.7]	39.3	[24.0, 54.6]	46.2	[29.5, 62.8]	92.1	[77.4, 1.07]
Gender								
Male	16.7	[12.1, 21.3]	31.4	[25.5, 37.3]	38.7	[32.5, 44.9]	90.7	[83.9, 97.4]
Female	26.2	[19.4, 32.9]	38.9	[31.6, 46.1]	44.6	[37.3, 52.0]	94.4	[88.3, 1.01]
Region								
UP/NW/NE	25.9	[13.9, 37.9]	46.5	[33.0, 60.0]	52.4	[39.0, 65.8]	93.4	[80.5, 1.06]
W/E Central/E	19.8	[12.7, 26.9]	33.4	[25.0, 41.7]	41.2	[32.1, 50.4]	95.8	[89.3, 1.02]
S Central/SW/SE	20.7	[12.8, 28.6]	32.0	[23.0, 41.0]	39.8	[30.3, 49.3]	88.0	[73.9, 1.02]
Detroit Metro	18.6	[12.6, 24.6]	33.1	[25.6, 40.7]	38.6	[30.9, 46.4]	92.6	[84.7, 1.00]
Observations	592		595		597		172	

Note: Predicted margins from adjusted logistic regression.

4.3 Financial consequences of health care

4.3.1 Out-of-pocket costs prior to HMP by FPL, insurance status in the 12 months prior to HMP enrollment, and chronic conditions

	Out of pocket costs prior to HMP								Total Row%
	Less than \$50		\$51-500		More than \$500		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
FPL category									
0-35% (n=239)	28.2	[22.6, 34.4]	20.2	[15.3, 26.1]	17.8	[13.4, 23.4]	33.8	[27.9, 40.3]	100.0
36-99% (n=192)	23.4	[17.9, 30.0]	17.1	[12.5, 23.0]	19.1	[14.2, 25.1]	40.4	[33.8, 47.5]	100.0
100%+ (n=176)	21.7	[16.1, 28.6]	21.2	[15.9, 27.7]	20.9	[15.2, 28.0]	36.2	[29.5, 43.4]	100.0
Pearson: Uncorrected chi2(6) =	3.3852								
Design-based F(5.45, 3242.25) =	0.8060	Pr =	0.555						
Insurance status in 12 months prior to HMP									
Uninsured all 12 months (n=280)	36.3	[29.8, 43.3]	20.1	[15.0, 26.5]	14.0	[9.8, 19.7]	29.6	[23.5, 36.4]	100.0
Uninsured some of the 12 months (n=153)	18.7	[12.2, 27.6]	17.8	[11.6, 26.4]	19.4	[13.1, 27.8]	44.1	[34.8, 53.9]	100.0
Insured all 12 months (n=169)	17.0	[10.8, 25.9]	21.0	[14.1, 30.2]	25.1	[18.0, 33.8]	36.9	[28.6, 46.0]	100.0
Pearson: Uncorrected chi2(6) =	32.9106								
Design-based F(5.95, 3512.56) =	3.6648	Pr =	0.001						
Any chronic condition									
Yes (n=421)	21.9	[17.4, 27.1]	17.5	[13.5, 22.4]	21.8	[17.4, 27.0]	38.8	[33.3, 44.6]	100.0
No (n=186)	35.9	[27.9, 44.7]	24.4	[17.4, 33.0]	11.6	[7.4, 17.9]	28.1	[21.0, 36.5]	100.0
Pearson: Uncorrected chi2(3) =	25.1453								
Design-based F(2.99, 1777.95) =	5.5370	Pr =	0.001						
Hypertension									
Yes (n=181)	22.2	[15.8, 30.2]	13.8	[8.9, 20.8]	19.9	[13.9, 27.7]	44.1	[35.5, 53.0]	100.0
No (n=425)	28.3	[23.3, 34.0]	22.2	[17.6, 27.6]	17.9	[13.9, 22.7]	31.6	[26.5, 37.2]	100.0
Pearson: Uncorrected chi2(3) =	11.9064								
Design-based F(3.00, 1780.92) =	2.8472	Pr =	0.036						
Heart condition or heart disease									
Yes (n=47)	28.8	[15.3, 47.4]	2.5	[0.9, 7.3]	22.6	[10.7, 41.6]	46.0	[29.4, 63.6]	100.0
No (n=556)	26.1	[21.9, 30.9]	21.1	[17.2, 25.6]	18.4	[14.8, 22.5]	34.4	[29.8, 39.3]	100.0
Pearson: Uncorrected chi2(3) =	7.6201								
Design-based F(2.42, 1430.43) =	2.6603	Pr =	0.059						
Diabetes									
Yes (n=49)	26.1	[14.3, 42.6]	13.1	[5.5, 28.0]	19.6	[9.5, 36.0]	41.3	[26.4, 58.0]	100.0
No (n=556)	26.4	[22.1, 31.2]	20.3	[16.5, 24.9]	18.4	[14.8, 22.6]	34.9	[30.2, 39.8]	100.0
Pearson: Uncorrected chi2(3) =	1.5394								
Design-based F(3.00, 1776.84) =	0.4280	Pr =	0.733						
Cancer									
Yes (n=29)	32.1	[15.3, 55.4]	12.8	[4.7, 30.0]	19.7	[6.9, 44.6]	35.5	[17.9, 58.0]	100.0
No (n=575)	25.7	[21.5, 30.4]	20.2	[16.4, 24.7]	18.5	[15.0, 22.6]	35.5	[30.9, 40.4]	100.0
Pearson: Uncorrected chi2(3) =	1.1306								
Design-based F(2.87, 1698.83) =	0.2941	Pr =	0.821						

Continued on next page

Continued from previous page

Mood disorder										
Yes (n=184)	24.0	[17.1, 32.5]	17.3	[11.7, 24.8]	21.9	[15.4, 30.2]	36.8	[28.9, 45.5]	100.0	
No (n=418)	27.8	[22.8, 33.4]	21.3	[16.7, 26.7]	17.2	[13.3, 21.9]	33.8	[28.4, 39.5]	100.0	
Pearson: Uncorrected chi2(3) =	3.5655									
Design-based F(3.00, 1768.23) =	0.7931	Pr =	0.498							
Stroke										
Yes (n=16)	36.6	[14.0, 67.2]	9.0	[2.1, 31.4]	6.6	[1.7, 22.4]	47.8	[21.9, 75.0]	100.0	
No (n=591)	26.3	[22.1, 30.9]	20.0	[16.3, 24.4]	18.7	[15.2, 22.8]	35.0	[30.5, 39.8]	100.0	
Pearson: Uncorrected chi2(3) =	2.9314									
Design-based F(2.45, 1456.39) =	1.1995	Pr =	0.306							
Asthma										
Yes (n=80)	14.0	[7.4, 24.7]	19.1	[10.1, 33.2]	26.3	[15.8, 40.4]	40.6	[28.5, 54.0]	100.0	
No (n=527)	28.3	[23.8, 33.4]	19.9	[16.0, 24.4]	17.3	[13.8, 21.5]	34.5	[29.7, 39.6]	100.0	
Pearson: Uncorrected chi2(3) =	8.8807									
Design-based F(2.94, 1749.00) =	2.0238	Pr =	0.110							
Chronic lung disease, COPD, or emphysema										
Yes (n=54)	19.9	[9.7, 36.5]	16.2	[8.0, 29.9]	24.7	[12.9, 42.1]	39.2	[25.4, 54.9]	100.0	
No (n=550)	26.8	[22.4, 31.6]	20.2	[16.3, 24.7]	18.1	[14.5, 22.2]	35.0	[30.3, 40.0]	100.0	
Pearson: Uncorrected chi2(3) =	2.1753									
Design-based F(2.95, 1744.15) =	0.6236	Pr =	0.597							
Substance use disorder										
Yes (n=24)	45.2	[24.4, 67.9]	6.9	[2.3, 19.1]	21.0	[7.7, 45.7]	26.9	[12.6, 48.5]	100.0	
No (n=582)	25.4	[21.3, 30.0]	20.5	[16.7, 24.9]	18.4	[14.9, 22.4]	35.8	[31.2, 40.7]	100.0	
Pearson: Uncorrected chi2(3) =	7.5852									
Design-based F(2.65, 1575.11) =	1.9783	Pr =	0.123							
Arthritis or a related condition										
Yes (n=134)	20.4	[13.2, 30.2]	22.8	[15.1, 32.7]	16.2	[10.2, 24.6]	40.7	[31.4, 50.7]	100.0	
No (n=471)	28.1	[23.3, 33.4]	19.1	[15.0, 24.0]	19.2	[15.2, 23.9]	33.6	[28.6, 39.1]	100.0	
Pearson: Uncorrected chi2(3) =	4.9298									
Design-based F(2.98, 1767.85) =	1.1535	Pr =	0.326							
Other: cholesterol										
Yes (n=11)	25.1	[7.0, 59.8]	48.9	[15.5, 83.3]	8.5	[1.3, 39.5]	17.5	[5.2, 44.7]	100.0	
No (n=145)	21.9	[14.7, 31.4]	18.5	[12.0, 27.4]	20.1	[13.4, 29.0]	39.5	[30.0, 49.8]	100.0	
Pearson: Uncorrected chi2(3) =	5.6243									
Design-based F(2.36, 339.97) =	2.0891	Pr =	0.116							
Total (n=607)	26.5	[22.4, 31.1]	19.8	[16.1, 24.0]	18.4	[15.0, 22.4]	35.3	[30.8, 40.0]	100.0	

Note: χ^2 test of independence. Any chronic condition is defined as any of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

4.3.2 Problems paying medical bills prior to HMP by FPL, insurance status in the 12 months prior to HMP enrollment, and chronic conditions

	Problems paying medical bills prior to HMP						Total Row%
	Row%	Yes 95%CI	No 95%CI	Don't know 95%CI			
FPL category							
0-35% (n=239)	42.6	[36.3, 49.2]	56.7	[50.1, 63.1]	0.7	[0.1, 4.3]	100.0
36-99% (n=192)	51.4	[44.5, 58.4]	48.6	[41.6, 55.5]	0.0		100.0
100%+ (n=176)	47.8	[40.6, 55.2]	52.2	[44.8, 59.4]	0.0		100.0
Pearson: Uncorrected chi2(4) =	3.9722						
Design-based F(2.10, 1252.18) =	0.9785	Pr =	0.380				
Insurance status in 12 months prior to HMP							
Uninsured all 12 months (n=280)	44.4	[37.6, 51.4]	54.7	[47.6, 61.5]	1.0	[0.1, 6.3]	100.0
Uninsured some of the 12 months (n=153)	54.2	[44.5, 63.6]	45.8	[36.4, 55.5]	0.0		100.0
Insured all 12 months (n=169)	37.9	[29.4, 47.2]	62.1	[52.8, 70.6]	0.0		100.0
Pearson: Uncorrected chi2(4) =	11.5899						
Design-based F(3.69, 2177.83) =	1.6617	Pr =	0.161				
Any chronic condition							
Yes (n=421)	51.0	[45.1, 56.8]	49.0	[43.2, 54.9]	0.0		100.0
No (n=186)	32.3	[24.8, 41.0]	66.2	[57.5, 74.0]	1.4	[0.2, 8.8]	100.0
Pearson: Uncorrected chi2(2) =	23.4961						
Design-based F(1.88, 1116.37) =	5.6410	Pr =	0.004				
Hypertension							
Yes (n=181)	54.6	[45.8, 63.1]	45.4	[36.9, 54.2]	0.0		100.0
No (n=425)	41.0	[35.4, 46.7]	58.4	[52.6, 64.0]	0.7	[0.1, 4.2]	100.0
Pearson: Uncorrected chi2(2) =	10.0985						
Design-based F(1.84, 1094.70) =	2.5090	Pr =	0.086				
Heart condition or heart disease							
Yes (n=47)	52.5	[34.9, 69.5]	47.5	[30.5, 65.1]	0.0		100.0
No (n=556)	43.9	[39.0, 49.0]	55.6	[50.5, 60.5]	0.5	[0.1, 3.3]	100.0
Pearson: Uncorrected chi2(2) =	1.1580						
Design-based F(1.79, 1058.90) =	0.3058	Pr =	0.712				
Diabetes							
Yes (n=49)	59.4	[42.4, 74.4]	40.6	[25.6, 57.6]	0.0		100.0
No (n=556)	43.9	[38.9, 48.9]	55.6	[50.6, 60.6]	0.5	[0.1, 3.3]	100.0
Pearson: Uncorrected chi2(2) =	3.9307						
Design-based F(1.79, 1062.92) =	1.0328	Pr =	0.350				
Cancer							
Yes (n=29)	51.0	[30.0, 71.7]	49.0	[28.3, 70.0]	0.0		100.0
No (n=575)	44.4	[39.5, 49.4]	55.1	[50.1, 60.0]	0.5	[0.1, 3.2]	100.0
Pearson: Uncorrected chi2(2) =	0.5577						
Design-based F(1.83, 1086.05) =	0.1445	Pr =	0.848				
Mood disorder							
Yes (n=184)	54.2	[45.4, 62.8]	45.8	[37.2, 54.6]	0.0		100.0
No (n=418)	40.6	[35.0, 46.4]	58.7	[52.9, 64.3]	0.7	[0.1, 4.4]	100.0
Pearson: Uncorrected chi2(2) =	10.5644						
Design-based F(1.86, 1096.31) =	2.5688	Pr =	0.081				
Stroke							
Yes (n=16)	56.0	[27.6, 80.9]	44.0	[19.1, 72.4]	0.0		100.0
No (n=591)	44.5	[39.7, 49.5]	55.0	[50.0, 59.8]	0.5	[0.1, 3.1]	100.0
Pearson: Uncorrected chi2(2) =	0.7255						
Design-based F(1.81, 1078.79) =	0.2011	Pr =	0.796				
Asthma							
Yes (n=80)	58.8	[44.9, 71.4]	41.2	[28.6, 55.1]	0.0		100.0
No (n=527)	42.8	[37.7, 48.0]	56.7	[51.5, 61.7]	0.5	[0.1, 3.5]	100.0
Pearson: Uncorrected chi2(2) =	7.1481						
Design-based F(1.87, 1110.59) =	1.7429	Pr =	0.178				

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Chronic lung disease, COPD, or emphysema							
Yes (n=54)	54.2	[38.0, 69.5]	45.8	[30.5, 62.0]	0.0		100.0
No (n=550)	44.0	[39.1, 49.2]	55.4	[50.3, 60.5]	0.5	[0.1, 3.3]	100.0
Pearson: Uncorrected chi2(2) =	1.7934						
Design-based F(1.77, 1048.81) =	0.4788	Pr =	0.597				
Substance use disorder							
Yes (n=24)	54.0	[31.7, 74.8]	46.0	[25.2, 68.3]	0.0		100.0
No (n=582)	44.4	[39.6, 49.4]	55.1	[50.1, 60.0]	0.5	[0.1, 3.2]	100.0
Pearson: Uncorrected chi2(2) =	1.1433						
Design-based F(1.91, 1133.47) =	0.2728	Pr =	0.751				
Arthritis or a related condition							
Yes (n=134)	55.0	[44.8, 64.9]	45.0	[35.1, 55.2]	0.0		100.0
No (n=471)	42.3	[37.0, 47.8]	57.1	[51.6, 62.5]	0.6	[0.1, 3.9]	100.0
Pearson: Uncorrected chi2(2) =	7.2016						
Design-based F(1.84, 1089.87) =	1.7896	Pr =	0.171				
Other: cholesterol							
Yes (n=11)	17.2	[4.7, 46.7]	82.8	[53.3, 95.3]	100.0		
No (n=145)	54.6	[44.4, 64.4]	45.4	[35.6, 55.6]	100.0		
Pearson: Uncorrected chi2(1) =	4.7891						
Design-based F(1.00, 144.00) =	6.6579	Pr =	0.011				
Total (n=607)	44.8	[40.0, 49.6]	54.7	[49.9, 59.5]	0.5	[0.1, 3.1]	100.0

Note: χ^2 test of independence. Any chronic condition is defined as any of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

4.3.3 Contacted by a collections agency prior to HMP by FPL, insurance status in the 12 months prior to HMP enrollment, and chronic conditions

	Contacted by a collections agency prior to HMP						Total Row%
	Row%	Yes 95%CI	Row%	No 95%CI	Row%	Don't know 95%CI	
FPL category							
0-35% (n=108)	73.4	[63.9, 81.2]	25.1	[17.6, 34.5]	1.4	[0.2, 9.1]	100.0
36-99% (n=99)	66.7	[56.9, 75.2]	32.7	[24.2, 42.6]	0.6	[0.1, 3.5]	100.0
100%+ (n=84)	75.3	[64.3, 83.8]	24.7	[16.2, 35.7]	0.0		100.0
Pearson: Uncorrected chi2(4) =	2.1549						
Design-based F(2.49, 695.42) =	0.4996	Pr =	0.648				
Insurance status in 12 months prior to HMP							
Uninsured all 12 months (n=143)	73.1	[64.1, 80.5]	26.9	[19.5, 35.9]	0.0		100.0
Uninsured some of the 12 months (n=78)	74.2	[60.7, 84.2]	25.5	[15.4, 38.9]	0.4	[0.1, 2.4]	100.0
Insured all 12 months (n=69)	68.6	[53.3, 80.7]	27.3	[16.3, 42.0]	4.1	[0.6, 22.7]	100.0
Pearson: Uncorrected chi2(4) =	7.8050						
Design-based F(3.06, 850.43) =	1.3681	Pr =	0.251				
Any chronic condition							
Yes (n=230)	74.0	[66.6, 80.2]	26.0	[19.8, 33.4]	0.0		100.0
No (n=61)	67.2	[51.9, 79.6]	28.3	[17.2, 42.8]	4.5	[0.8, 21.2]	100.0
Pearson: Uncorrected chi2(2) =	10.3147						
Design-based F(1.89, 528.30) =	2.7368	Pr =	0.069				
Hypertension							
Yes (n=101)	78.6	[67.8, 86.5]	21.4	[13.5, 32.2]	0.0		100.0
No (n=190)	69.1	[60.5, 76.5]	29.3	[22.1, 37.7]	1.6	[0.3, 8.6]	100.0
Pearson: Uncorrected chi2(2) =	4.0106						
Design-based F(1.88, 525.18) =	1.0867	Pr =	0.335				
Heart condition or heart disease							
Yes (n=26)	51.5	[28.8, 73.5]	48.5	[26.5, 71.2]	0.0		100.0
No (n=263)	73.4	[66.6, 79.3]	25.4	[19.7, 32.1]	1.2	[0.2, 6.3]	100.0
Pearson: Uncorrected chi2(2) =	5.3095						
Design-based F(1.85, 511.43) =	1.5335	Pr =	0.218				
Diabetes							
Yes (n=33)	85.3	[62.1, 95.3]	14.7	[4.7, 37.9]	0.0		100.0
No (n=258)	71.1	[64.0, 77.3]	27.8	[21.7, 34.7]	1.2	[0.2, 6.3]	100.0
Pearson: Uncorrected chi2(2) =	2.5498						
Design-based F(1.89, 527.54) =	0.7016	Pr =	0.489				
Cancer							
Yes (n=16)	82.9	[60.2, 94.0]	17.1	[6.0, 39.8]	0.0		100.0
No (n=273)	71.5	[64.6, 77.6]	27.3	[21.4, 34.2]	1.1	[0.2, 6.1]	100.0
Pearson: Uncorrected chi2(2) =	0.9488						
Design-based F(1.60, 444.58) =	0.3237	Pr =	0.675				
Mood disorder							
Yes (n=103)	73.4	[61.8, 82.5]	26.6	[17.5, 38.2]	0.0		100.0
No (n=186)	71.2	[62.9, 78.3]	27.1	[20.4, 35.0]	1.7	[0.3, 9.1]	100.0
Pearson: Uncorrected chi2(2) =	1.9207						
Design-based F(1.88, 520.73) =	0.5144	Pr =	0.587				
Stroke							
Yes (n=10)	38.9	[13.8, 71.7]	61.1	[28.3, 86.2]	0.0		100.0
No (n=281)	73.3	[66.7, 79.1]	25.6	[20.0, 32.1]	1.1	[0.2, 5.9]	100.0
Pearson: Uncorrected chi2(2) =	4.9783						
Design-based F(1.71, 476.21) =	1.6887	Pr =	0.190				
Asthma							
Yes (n=54)	76.4	[58.4, 88.2]	23.6	[11.8, 41.6]	0.0		100.0
No (n=237)	71.6	[64.3, 77.9]	27.1	[21.0, 34.3]	1.3	[0.2, 6.8]	100.0
Pearson: Uncorrected chi2(2) =	0.9402						
Design-based F(1.93, 537.54) =	0.2466	Pr =	0.773				

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Chronic lung disease, COPD, or emphysema							
Yes (n=36)	67.1	[49.1, 81.2]	32.9	[18.8, 50.9]	0.0		100.0
No (n=253)	73.0	[65.9, 79.1]	25.8	[19.9, 32.8]	1.2	[0.2, 6.3]	100.0
Pearson: Uncorrected chi2(2) =	0.8318						
Design-based F(1.68, 465.19) =	0.2763	Pr =	0.720				
Substance use disorder							
Yes (n=14)	83.5	[58.9, 94.7]	16.5	[5.3, 41.1]	0.0		100.0
No (n=277)	71.7	[64.8, 77.7]	27.2	[21.3, 34.0]	1.1	[0.2, 6.1]	100.0
Pearson: Uncorrected chi2(2) =	1.1959						
Design-based F(1.74, 486.29) =	0.3734	Pr =	0.659				
Arthritis or a related condition							
Yes (n=82)	79.5	[67.4, 87.9]	20.5	[12.1, 32.6]	0.0		100.0
No (n=209)	69.9	[61.8, 76.9]	28.7	[21.9, 36.6]	1.4	[0.3, 7.7]	100.0
Pearson: Uncorrected chi2(2) =	3.2376						
Design-based F(1.85, 517.51) =	0.8904	Pr =	0.404				
Other: cholesterol							
Yes (n=3)	100.0		0.0		100.0		
No (n=84)	66.2	[52.7, 77.6]	33.8	[22.4, 47.3]	100.0		
Pearson: Uncorrected chi2(1) =	0.8417						
Design-based F(1.00, 75.00) =	1.5083	Pr =	0.223				
Total (n=291)	72.4	[65.7, 78.2]	26.6	[20.9, 33.1]	1.1	[0.2, 5.8]	100.0

Note: χ^2 test of independence. Any chronic condition is defined as any of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

4.3.4 Thought about filing for bankruptcy prior to HMP by FPL, insurance status in the 12 months prior to HMP enrollment, and chronic conditions

	Thought about filing for bankruptcy prior to HMP				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
FPL category					
0-35% (n=108)	31.5	[23.2, 41.2]	68.5	[58.8, 76.8]	100.0
36-99% (n=99)	23.9	[16.4, 33.4]	76.1	[66.6, 83.6]	100.0
100%+ (n=84)	27.3	[18.4, 38.4]	72.7	[61.6, 81.6]	100.0
Pearson: Uncorrected chi2(2) =	1.3322				
Design-based F(1.86, 517.90) =	0.8752	Pr =	0.410		
Insurance status in 12 months prior to HMP					
Uninsured all 12 months (n=143)	34.4	[25.5, 44.7]	65.6	[55.3, 74.5]	100.0
Uninsured some of the 12 months (n=78)	22.4	[13.3, 35.2]	77.6	[64.8, 86.7]	100.0
Insured all 12 months (n=69)	28.2	[16.7, 43.6]	71.8	[56.4, 83.3]	100.0
Pearson: Uncorrected chi2(2) =	3.7177				
Design-based F(2.00, 555.33) =	1.1823	Pr =	0.307		
Any chronic condition					
Yes (n=230)	31.8	[24.9, 39.6]	68.2	[60.4, 75.1]	100.0
No (n=61)	21.9	[11.8, 37.1]	78.1	[62.9, 88.2]	100.0
Pearson: Uncorrected chi2(1) =	2.4804				
Design-based F(1.00, 279.00) =	1.4760	Pr =	0.225		
Hypertension					
Yes (n=101)	32.9	[22.6, 45.1]	67.1	[54.9, 77.4]	100.0
No (n=190)	27.6	[20.5, 36.0]	72.4	[64.0, 79.5]	100.0
Pearson: Uncorrected chi2(1) =	0.9034				
Design-based F(1.00, 279.00) =	0.5858	Pr =	0.445		
Heart condition or heart disease					
Yes (n=26)	25.6	[10.8, 49.4]	74.4	[50.6, 89.2]	100.0
No (n=263)	29.2	[23.0, 36.3]	70.8	[63.7, 77.0]	100.0
Pearson: Uncorrected chi2(1) =	0.1220				
Design-based F(1.00, 277.00) =	0.1094	Pr =	0.741		
Diabetes					
Yes (n=33)	44.6	[25.7, 65.3]	55.4	[34.7, 74.3]	100.0
No (n=258)	27.9	[21.7, 35.0]	72.1	[65.0, 78.3]	100.0
Pearson: Uncorrected chi2(1) =	3.2896				
Design-based F(1.00, 279.00) =	2.6157	Pr =	0.107		
Cancer					
Yes (n=16)	16.5	[3.8, 49.6]	83.5	[50.4, 96.2]	100.0
No (n=273)	30.4	[24.1, 37.5]	69.6	[62.5, 75.9]	100.0
Pearson: Uncorrected chi2(1) =	1.2831				
Design-based F(1.00, 277.00) =	0.9601	Pr =	0.328		
Mood disorder					
Yes (n=103)	30.0	[20.7, 41.3]	70.0	[58.7, 79.3]	100.0
No (n=186)	27.6	[20.3, 36.4]	72.4	[63.6, 79.7]	100.0
Pearson: Uncorrected chi2(1) =	0.1843				
Design-based F(1.00, 277.00) =	0.1233	Pr =	0.726		
Stroke					
Yes (n=10)	3.8	[0.6, 21.4]	96.2	[78.6, 99.4]	100.0
No (n=281)	30.1	[24.0, 37.1]	69.9	[62.9, 76.0]	100.0
Pearson: Uncorrected chi2(1) =	2.5668				
Design-based F(1.00, 279.00) =	9.0576	Pr =	0.003		
Asthma					
Yes (n=54)	35.5	[21.6, 52.4]	64.5	[47.6, 78.4]	100.0
No (n=237)	28.2	[21.8, 35.7]	71.8	[64.3, 78.2]	100.0
Pearson: Uncorrected chi2(1) =	1.0324				
Design-based F(1.00, 279.00) =	0.7484	Pr =	0.388		

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Continued from previous page

Chronic lung disease, COPD, or emphysema					
Yes (n=36)	30.4	[16.8, 48.7]	69.6	[51.3, 83.2]	100.0
No (n=253)	29.5	[23.1, 36.9]	70.5	[63.1, 76.9]	100.0
Pearson: Uncorrected chi2(1) =	0.0090				
Design-based F(1.00, 277.00) =	0.0101	Pr =	0.920		
Substance use disorder					
Yes (n=14)	58.3	[30.9, 81.4]	41.7	[18.6, 69.1]	100.0
No (n=277)	27.6	[21.6, 34.6]	72.4	[65.4, 78.4]	100.0
Pearson: Uncorrected chi2(1) =	7.2940				
Design-based F(1.00, 279.00) =	5.0914	Pr =	0.025		
Arthritis or a related condition					
Yes (n=82)	40.9	[28.5, 54.5]	59.1	[45.5, 71.5]	100.0
No (n=209)	25.4	[18.9, 33.1]	74.6	[66.9, 81.1]	100.0
Pearson: Uncorrected chi2(1) =	6.5170				
Design-based F(1.00, 279.00) =	4.4044	Pr =	0.037		
Other: cholesterol					
Yes (n=3)	0.0		100.0		100.0
No (n=84)	26.7	[16.4, 40.4]	73.3	[59.6, 83.6]	100.0
Pearson: Uncorrected chi2(1) =	0.6037				
Design-based F(1.00, 75.00) =	0.9986	Pr =	0.321		
Total (n=291)	29.4	[23.4, 36.2]	70.6	[63.8, 76.6]	100.0

Note: χ^2 test of independence. Any chronic condition is defined as any of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

5 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.

5.1 Health Risk Assessment

5.1.1 Completing the HRA taught me something about my health by level of education, age, health status, and number of chronic conditions

	Completing the HRA taught me something about my health								Total Row%
	Definitely yes		Somewhat yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Highest level of education									
High school or less (n=114)	28.4	[19.5, 39.4]	37.1	[26.8, 48.7]	34.5	[24.6, 45.9]	0.0		100.0
Some college/ Associate's (n=91)	29.0	[18.5, 42.3]	38.1	[26.5, 51.2]	32.7	[22.6, 44.7]	0.3	[0.0, 1.5]	100.0
Bachelor's degree or higher (n=29)	7.1	[2.7, 17.4]	42.9	[23.7, 64.5]	50.0	[29.6, 70.4]	0.0		100.0
Pearson: Uncorrected chi2(6) =	7.5920								
Design-based F(4.81, 1068.22) =	1.1043	Pr =	0.356						
Age									
19-34 (n=76)	26.8	[16.4, 40.8]	45.8	[32.6, 59.6]	27.3	[17.1, 40.8]	0.0		100.0
35-50 (n=56)	28.3	[16.8, 43.7]	32.5	[19.3, 49.4]	39.1	[25.0, 55.4]	0.0		100.0
51-64 (n=103)	23.0	[14.5, 34.5]	34.5	[24.2, 46.5]	42.2	[31.4, 53.8]	0.3	[0.0, 1.6]	100.0
Pearson: Uncorrected chi2(6) =	5.9321								
Design-based F(5.20, 1160.35) =	0.7668	Pr =	0.579						
Health status									
Excellent (n=20)	22.3	[7.1, 51.9]	42.3	[19.3, 69.2]	35.4	[15.1, 62.7]	0.0		100.0
Very good (n=62)	20.5	[9.6, 38.6]	39.7	[25.4, 56.1]	39.4	[25.4, 55.3]	0.4	[0.1, 2.3]	100.0
Good (n=93)	28.6	[19.0, 40.5]	41.5	[29.7, 54.3]	30.0	[19.8, 42.7]	0.0		100.0
Fair (n=44)	24.8	[12.7, 42.7]	27.5	[14.8, 45.2]	47.7	[31.2, 64.8]	0.0		100.0
Poor (n=15)	37.1	[16.2, 64.3]	40.3	[17.7, 67.9]	22.6	[7.4, 51.5]	0.0		100.0
Pearson: Uncorrected chi2(12) =	8.0995								
Design-based F(11.04, 2450.27) =	0.4806	Pr =	0.917						
Number of chronic conditions									
None (n=74)	23.6	[13.3, 38.3]	37.5	[24.7, 52.3]	38.6	[25.7, 53.4]	0.3	[0.1, 1.9]	100.0
One (n=50)	25.9	[13.2, 44.6]	32.2	[18.7, 49.6]	41.8	[27.0, 58.3]	0.0		100.0
Two or more (n=111)	27.2	[18.8, 37.5]	41.8	[31.1, 53.2]	31.1	[22.0, 41.9]	0.0		100.0
Pearson: Uncorrected chi2(6) =	2.9775								
Design-based F(5.15, 1148.08) =	0.3736	Pr =	0.872						
Total (n=235)	25.7	[19.5, 33.1]	38.2	[30.8, 46.2]	35.9	[28.9, 43.7]	0.1	[0.0, 0.6]	100.0

Note: χ^2 test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

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

Not applicable to the New Enrollee Survey

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

Not applicable to the New Enrollee Survey

8 Aim 7: To describe the experiences and perceptions of HMP enrollees who may have been eligible for HMP for some time before enrolling.

8.1 Insurance status in the 12 months prior to HMP

8.1.1 Predictors of insurance at any time in the 12 months prior to HMP, among enrollees surveyed in 2016 and new enrollees surveyed in 2017

	Insurance at any time in 12 months prior to HMP			
	aOR	95% CI	p-value	Predicted value
Survey year				
Enrollees surveyed in 2016		Reference		55.1
New enrollees surveyed in 2017	1.78	[1.42, 2.24]	0.000	41.2
Gender				
Male		Reference		
Female	1.44	[1.22, 1.70]	0.000	
Age				
19-34		Reference		
35-50	0.67	[0.55, 0.82]	0.000	
51-64	0.61	[0.50, 0.74]	0.000	
Race/ethnicity				
White, non-Hispanic		Reference		
Black, non-Hispanic	0.83	[0.68, 1.02]	0.070	
Hispanic	0.89	[0.61, 1.28]	0.519	
Other, non-Hispanic	1.26	[0.95, 1.68]	0.106	
FPL category				
0-35%		Reference		
36-99%	1.34	[1.11, 1.62]	0.002	
100%+	1.52	[1.25, 1.86]	0.000	
Health status				
Excellent		Reference		
Very good	0.97	[0.70, 1.34]	0.851	
Good	0.99	[0.72, 1.36]	0.930	
Fair	1.02	[0.72, 1.45]	0.895	
Poor	1.11	[0.72, 1.70]	0.640	
Number of chronic conditions				
None		Reference		
One	1.01	[0.81, 1.27]	0.920	
Two or more	1.10	[0.88, 1.37]	0.404	
Constant	0.63	[0.44, 0.88]	0.007	
N	4,584			
F-value	6.482			
Model degrees of freedom	15.000			
Residual degrees of freedom	4,572.000			
F-value significance	0.000			

Note: Adjusted logistic regression with predicted margins. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

8.1.2 Insurance status in the 12 months prior to HMP enrollment by FPL and employment status

	Uninsured all 12 months		Insurance status in 12 months prior to HMP				Total Row%
	Row%	95%CI	Uninsured some of the 12 months		Insured all 12 months		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
FPL category							
0-35% (n=239)	47.2	[40.7, 53.8]	22.9	[17.8, 28.8]	29.9	[24.2, 36.3]	100.0
36-99% (n=191)	48.4	[41.5, 55.4]	29.2	[23.4, 35.9]	22.3	[17.3, 28.3]	100.0
100%+ (n=172)	50.8	[43.4, 58.2]	25.1	[19.2, 32.1]	24.1	[18.6, 30.6]	100.0
Pearson: Uncorrected chi2(4) =	3.7214						
Design-based F(3.58, 2113.77) =	1.3991	Pr =	0.236				
Employment status							
Full-time (n=178)	50.7	[41.5, 59.8]	26.1	[18.7, 35.1]	23.2	[16.4, 31.9]	100.0
Part-time (n=175)	48.8	[39.7, 58.0]	26.5	[19.6, 34.9]	24.6	[17.3, 33.8]	100.0
Not employed (n=241)	45.7	[38.4, 53.2]	21.1	[15.8, 27.7]	33.2	[26.6, 40.5]	100.0
Pearson: Uncorrected chi2(4) =	6.7984						
Design-based F(3.98, 2316.48) =	1.1688	Pr =	0.323				
Total (n=602)	47.9	[43.0, 52.8]	24.2	[20.4, 28.6]	27.9	[23.7, 32.5]	100.0

Note: χ^2 test of independence.

8.1.3 Reasons for no insurance, among those uninsured all 12 months prior to HMP enrollment

	Percent	95%CI
Have a job, but it does not offer insurance		
Yes (n=44)	15.8	[11.2, 21.7]
No (n=236)	84.2	[78.3, 88.8]
Have a job, but insurance is too expensive		
Yes (n=9)	1.8	[0.8, 4.3]
No (n=271)	98.2	[95.7, 99.2]
No job during that time		
Yes (n=59)	27.0	[20.9, 34.0]
No (n=221)	73.0	[66.0, 79.1]
Marketplace/individual plan too expensive		
Yes (n=17)	4.6	[2.5, 8.2]
No (n=263)	95.4	[91.8, 97.5]
Too expensive (non-specific)		
Yes (n=116)	32.8	[26.8, 39.5]
No (n=164)	67.2	[60.5, 73.2]
Time for HMP application to be completed/accepted		
Yes (n=4)	1.7	[0.6, 4.9]
No (n=276)	98.3	[95.1, 99.4]
Had problems with (re-)applying for Medicaid		
Yes (n=11)	4.9	[2.6, 9.1]
No (n=269)	95.1	[90.9, 97.4]
Had problems with (re-)applying for private insurance		
Yes (n=2)	0.9	[0.2, 3.8]
No (n=278)	99.1	[96.2, 99.8]
Do not need health insurance		
Yes (n=21)	10.7	[6.8, 16.5]
No (n=259)	89.3	[83.5, 93.2]
Did not get around to it		
Yes (n=21)	8.6	[5.2, 14.1]
No (n=259)	91.4	[85.9, 94.8]
Other		
Yes (n=30)	9.7	[6.4, 14.4]
No (n=250)	90.3	[85.6, 93.6]
Have job, waiting for open enrollment		
Yes (n=0)	0.0	
No (n=280)	100.0	
Tried to enroll, but redirected to Medicaid		
Yes (n=0)	0.0	
No (n=280)	100.0	
Do not know		
Yes (n=1)	0.2	[0.0, 1.2]
No (n=279)	99.8	[98.8, 100.0]
Refused		
Yes (n=2)	0.6	[0.1, 2.3]
No (n=278)	99.4	[97.7, 99.9]

Note: Weighted proportions.

8.1.4 Reasons for no insurance, among those uninsured some of the past 12 months prior to HMP enrollment

	Percent	95%CI
Have a job, but it does not offer insurance		
Yes (n=9)	8.1	[3.9, 16.1]
No (n=144)	91.9	[83.9, 96.1]
Have a job, but insurance is too expensive		
Yes (n=5)	4.5	[1.7, 11.4]
No (n=148)	95.5	[88.6, 98.3]
No job during that time		
Yes (n=60)	36.7	[28.0, 46.4]
No (n=93)	63.3	[53.6, 72.0]
Marketplace/individual plan too expensive		
Yes (n=10)	10.2	[5.3, 18.8]
No (n=143)	89.8	[81.2, 94.7]
Too expensive (non-specific)		
Yes (n=17)	7.5	[4.4, 12.5]
No (n=136)	92.5	[87.5, 95.6]
Time for HMP application to be completed/accepted		
Yes (n=25)	15.7	[9.8, 24.1]
No (n=128)	84.3	[75.9, 90.2]
Had problems with (re-)applying for Medicaid		
Yes (n=6)	3.1	[1.4, 6.8]
No (n=147)	96.9	[93.2, 98.6]
Had problems with (re-)applying for private insurance		
Yes (n=0)	0.0	
No (n=153)	100.0	
Do not need health insurance		
Yes (n=1)	0.5	[0.1, 2.7]
No (n=152)	99.5	[97.3, 99.9]
Did not get around to it		
Yes (n=2)	1.9	[0.4, 8.4]
No (n=151)	98.1	[91.6, 99.6]
Other		
Yes (n=36)	23.4	[16.3, 32.5]
No (n=117)	76.6	[67.5, 83.7]
Have job, waiting for open enrollment		
Yes (n=1)	0.2	[0.0, 0.9]
No (n=152)	99.8	[99.1, 100.0]
Tried to enroll, but redirected to Medicaid		
Yes (n=4)	3.6	[1.2, 10.1]
No (n=149)	96.4	[89.9, 98.8]
Do not know		
Yes (n=0)	0.0	
No (n=153)	100.0	
Refused		
Yes (n=0)	0.0	
No (n=153)	100.0	

Note: Weighted proportions.

8.1.5 Predictors of being uninsured all 12 months prior to HMP, among those uninsured at any time in the past 12 months prior to HMP enrollment

	Uninsured all 12 months prior to HMP		
	aOR	95% CI	p-value
No-insurance reason: Job, no insurance			
Did not select reason		Reference	
Selected reason	2.62	[0.91, 7.54]	0.073
No-insurance reason: Job, insurance expensive			
Did not select reason		Reference	
Selected reason	0.74	[0.14, 4.00]	0.727
No-insurance reason: No job			
Did not select reason		Reference	
Selected reason	1.07	[0.45, 2.54]	0.885
No-insurance reason: Ind. plan too expensive			
Did not select reason		Reference	
Selected reason	0.81	[0.29, 2.29]	0.696
No-insurance reason: Too expensive (non-spec)			
Did not select reason		Reference	
Selected reason	6.47	[2.48, 16.87]	0.000
No-insurance reason: Time for application			
Did not select reason		Reference	
Selected reason	0.36	[0.08, 1.59]	0.177
No-insurance reason: Problems reapplying for Medicaid			
Did not select reason		Reference	
Selected reason	4.45	[1.06, 18.70]	0.041
No-insurance reason: Do not need insurance			
Did not select reason		Reference	
Selected reason	32.66	[5.04, 211.69]	0.000
No-insurance reason: Did not get around to it			
Did not select reason		Reference	
Selected reason	6.54	[1.35, 31.70]	0.020
No-insurance reason: Other			
Did not select reason		Reference	
Selected reason	0.62	[0.24, 1.60]	0.319
Employment status			
Full-time		Reference	
Part-time	1.43	[0.68, 3.01]	0.346
Not employed	1.92	[0.91, 4.04]	0.086
FPL category			
0-35%		Reference	
36-99%	0.87	[0.48, 1.57]	0.636
100%+	1.09	[0.57, 2.07]	0.794
Age			
19-34		Reference	
35-50	1.24	[0.64, 2.40]	0.513
51-64	1.36	[0.66, 2.78]	0.403
Highest education level			
High school or less		Reference	
Some college/ Associate's	0.63	[0.34, 1.15]	0.128
Bachelor's degree or higher	0.42	[0.18, 0.98]	0.044
Sex			
Male		Reference	
Female	0.45	[0.25, 0.80]	0.007
Race/Ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.75	[0.82, 3.72]	0.148
Hispanic	1.71	[0.50, 5.80]	0.389
Other, non-Hispanic	1.22	[0.52, 2.86]	0.644
Constant	0.98	[0.34, 2.80]	0.963
N	423		
F-value	3.698		
Model degrees of freedom	22.000		
Residual degrees of freedom	411.000		
F-value significance	0.000		

Note: Adjusted logistic regression.

8.2 Reasons for not applying for HMP

8.2.1 Knew about HMP while uninsured but did not apply by number of chronic conditions, experience of homelessness, housing instability, and health literacy

	Knew about HMP while uninsured but did not apply				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
Number of chronic conditions					
None (n=88)	31.3	[21.0, 43.9]	68.7	[56.1, 79.0]	100.0
One (n=68)	26.9	[15.8, 41.8]	73.1	[58.2, 84.2]	100.0
Two or more (n=105)	37.7	[27.7, 48.8]	62.3	[51.2, 72.3]	100.0
Pearson: Uncorrected chi2(2) =	2.2985				
Design-based F(1.98, 492.58) =	0.7791	Pr =	0.458		
Homeless in the past 12 months					
Yes (n=36)	22.5	[11.0, 40.6]	77.5	[59.4, 89.0]	100.0
No (n=225)	34.4	[27.3, 42.3]	65.6	[57.7, 72.7]	100.0
Pearson: Uncorrected chi2(1) =	2.3787				
Design-based F(1.00, 249.00) =	1.6265	Pr =	0.203		
Number of places lived in past 3 years					
One (n=119)	36.9	[27.1, 48.0]	63.1	[52.0, 72.9]	100.0
Two (n=82)	29.1	[18.8, 42.0]	70.9	[58.0, 81.2]	100.0
Three (n=29)	37.7	[18.6, 61.5]	62.3	[38.5, 81.4]	100.0
Four or more (n=28)	16.8	[6.8, 35.7]	83.2	[64.3, 93.2]	100.0
Pearson: Uncorrected chi2(3) =	5.1998				
Design-based F(2.94, 724.47) =	1.2418	Pr =	0.294		
How often do you need help with reading health materials?					
Never/rarely (n=207)	31.4	[24.4, 39.3]	68.6	[60.7, 75.6]	100.0
Sometimes/often/always (n=54)	36.5	[23.3, 52.0]	63.5	[48.0, 76.7]	100.0
Pearson: Uncorrected chi2(1) =	0.4901				
Design-based F(1.00, 249.00) =	0.3966	Pr =	0.529		
Total (n=261)	32.4	[26.0, 39.5]	67.6	[60.5, 74.0]	100.0

Note: χ^2 test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

8.2.2 Reasons for not applying to HMP: Didn't think I was eligible by number of chronic conditions, experience of homelessness, housing instability, and health literacy

	Yes		Did not think I was eligible No		Total Row%
	Row%	95%CI	Row%	95%CI	
Number of chronic conditions					
None (n=28)	23.3	[11.3, 42.0]	76.7	[58.0, 88.7]	100.0
One (n=19)	53.8	[27.5, 78.1]	46.2	[21.9, 72.5]	100.0
Two or more (n=44)	30.9	[16.9, 49.7]	69.1	[50.3, 83.1]	100.0
Pearson: Uncorrected chi2(2) =	5.4865				
Design-based F(1.90, 149.89) =	2.0323	Pr =	0.137		
Homeless in the past 12 months					
Yes (n=9)	36.0	[11.2, 71.4]	64.0	[28.6, 88.8]	100.0
No (n=82)	33.4	[21.8, 47.5]	66.6	[52.5, 78.2]	100.0
Pearson: Uncorrected chi2(1) =	0.0272				
Design-based F(1.00, 79.00) =	0.0186	Pr =	0.892		
Number of places lived in past 3 years					
One (n=48)	36.0	[21.0, 54.4]	64.0	[45.6, 79.0]	100.0
Two (n=26)	35.7	[16.2, 61.5]	64.3	[38.5, 83.8]	100.0
Three (n=9)	38.6	[11.1, 76.1]	61.4	[23.9, 88.9]	100.0
Four or more (n=6)	9.4	[2.4, 30.4]	90.6	[69.6, 97.6]	100.0
Pearson: Uncorrected chi2(3) =	1.6681				
Design-based F(2.30, 177.22) =	0.4453	Pr =	0.669		
How often do you need help with reading health materials?					
Never/rarely (n=71)	35.5	[22.9, 50.4]	64.5	[49.6, 77.1]	100.0
Sometimes/often/always (n=20)	27.7	[10.6, 55.1]	72.3	[44.9, 89.4]	100.0
Pearson: Uncorrected chi2(1) =	0.4255				
Design-based F(1.00, 79.00) =	0.3042	Pr =	0.583		
Total (n=91)	33.7	[22.9, 46.6]	66.3	[53.4, 77.1]	100.0

Note: χ^2 test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

8.2.3 Reasons for not applying to HMP: Didn't get around to it by number of chronic conditions, experience of homelessness, housing instability, and health literacy

	Yes		Did not get around to it		Total Row%
	Row%	95%CI	No Row%	95%CI	
Number of chronic conditions					
None (n=28)	41.0	[20.9, 64.7]	59.0	[35.3, 79.1]	100.0
One (n=19)	28.3	[9.6, 59.3]	71.7	[40.7, 90.4]	100.0
Two or more (n=44)	29.7	[16.7, 47.2]	70.3	[52.8, 83.3]	100.0
Pearson: Uncorrected chi2(2) =	1.2887				
Design-based F(1.96, 155.13) =	0.3724	Pr =	0.686		
Homeless in the past 12 months					
Yes (n=9)	8.2	[1.0, 43.0]	91.8	[57.0, 99.0]	100.0
No (n=82)	36.6	[25.4, 49.4]	63.4	[50.6, 74.6]	100.0
Pearson: Uncorrected chi2(1) =	3.4527				
Design-based F(1.00, 79.00) =	3.7331	Pr =	0.057		
Number of places lived in past 3 years					
One (n=48)	32.6	[18.5, 50.9]	67.4	[49.1, 81.5]	100.0
Two (n=26)	38.0	[18.5, 62.4]	62.0	[37.6, 81.5]	100.0
Three (n=9)	27.9	[5.9, 70.6]	72.1	[29.4, 94.1]	100.0
Four or more (n=6)	21.3	[2.7, 72.6]	78.7	[27.4, 97.3]	100.0
Pearson: Uncorrected chi2(3) =	0.8002				
Design-based F(2.88, 221.60) =	0.1653	Pr =	0.913		
How often do you need help with reading health materials?					
Never/rarely (n=71)	34.0	[21.9, 48.6]	66.0	[51.4, 78.1]	100.0
Sometimes/often/always (n=20)	30.3	[12.0, 58.1]	69.7	[41.9, 88.0]	100.0
Pearson: Uncorrected chi2(1) =	0.0994				
Design-based F(1.00, 79.00) =	0.0617	Pr =	0.805		
Total (n=91)	33.2	[23.0, 45.3]	66.8	[54.7, 77.0]	100.0

Note: χ^2 test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

8.3 Applying for HMP

8.3.1 Reason for applying: Lost my other health insurance by chronic conditions, experience of homelessness, housing instability, health literacy, and insurance status in the 12 months prior to HMP

	Lost my other health insurance				Total Row%
	Row%	Yes 95%CI	Row%	No 95%CI	
Number of chronic conditions					
None (n=186)	27.1	[20.0, 35.6]	72.9	[64.4, 80.0]	100.0
One (n=152)	28.0	[20.2, 37.3]	72.0	[62.7, 79.8]	100.0
Two or more (n=269)	32.6	[26.2, 39.7]	67.4	[60.3, 73.8]	100.0
Pearson: Uncorrected chi2(2) =	1.9165				
Design-based F(2.00, 1187.99) =	0.6388	Pr =	0.528		
Homeless in the past 12 months					
Yes (n=63)	16.2	[8.2, 29.6]	83.8	[70.4, 91.8]	100.0
No (n=542)	31.8	[27.2, 36.8]	68.2	[63.2, 72.8]	100.0
Pearson: Uncorrected chi2(1) =	8.1527				
Design-based F(1.00, 593.00) =	4.8093	Pr =	0.029		
Number of places lived in past 3 years					
One (n=293)	35.0	[28.5, 42.0]	65.0	[58.0, 71.5]	100.0
Two (n=188)	23.5	[17.3, 31.0]	76.5	[69.0, 82.7]	100.0
Three (n=73)	33.8	[22.1, 48.0]	66.2	[52.0, 77.9]	100.0
Four or more (n=48)	20.0	[8.9, 38.9]	80.0	[61.1, 91.1]	100.0
Pearson: Uncorrected chi2(3) =	10.2791				
Design-based F(2.95, 1737.85) =	2.1360	Pr =	0.095		
Need help reading written materials					
Never/rarely (n=508)	31.5	[26.7, 36.6]	68.5	[63.4, 73.3]	100.0
Sometimes/often/always (n=98)	20.1	[12.5, 30.9]	79.9	[69.1, 87.5]	100.0
Pearson: Uncorrected chi2(1) =	5.1164				
Design-based F(1.00, 594.00) =	3.7493	Pr =	0.053		
Insurance status in 12 months prior to HMP					
Uninsured all 12 months (n=280)	2.7	[1.3, 5.7]	97.3	[94.3, 98.7]	100.0
Uninsured some of the 12 months (n=153)	45.5	[36.1, 55.3]	54.5	[44.7, 63.9]	100.0
Insured all 12 months (n=169)	62.3	[52.7, 71.1]	37.7	[28.9, 47.3]	100.0
Pearson: Uncorrected chi2(2) =	203.3244				
Design-based F(1.97, 1163.23) =	75.1670	Pr =	0.000		
Hypertension					
Yes (n=181)	28.7	[21.5, 37.1]	71.3	[62.9, 78.5]	100.0
No (n=425)	30.0	[24.9, 35.6]	70.0	[64.4, 75.1]	100.0
Pearson: Uncorrected chi2(1) =	0.1038				
Design-based F(1.00, 594.00) =	0.0741	Pr =	0.785		
Heart condition or heart disease					
Yes (n=47)	33.9	[18.9, 53.0]	66.1	[47.0, 81.1]	100.0
No (n=556)	29.1	[24.8, 33.9]	70.9	[66.1, 75.2]	100.0
Pearson: Uncorrected chi2(1) =	0.3735				
Design-based F(1.00, 591.00) =	0.2832	Pr =	0.595		
Diabetes					
Yes (n=49)	44.9	[29.5, 61.4]	55.1	[38.6, 70.5]	100.0
No (n=556)	28.5	[24.2, 33.3]	71.5	[66.7, 75.8]	100.0
Pearson: Uncorrected chi2(1) =	5.0285				
Design-based F(1.00, 593.00) =	4.0866	Pr =	0.044		
Cancer					
Yes (n=29)	26.9	[12.0, 49.8]	73.1	[50.2, 88.0]	100.0
No (n=575)	29.9	[25.6, 34.7]	70.1	[65.3, 74.4]	100.0
Pearson: Uncorrected chi2(1) =	0.1122				
Design-based F(1.00, 592.00) =	0.0837	Pr =	0.772		
Mood disorder					
Yes (n=184)	31.0	[23.7, 39.5]	69.0	[60.5, 76.3]	100.0
No (n=418)	29.2	[24.2, 34.9]	70.8	[65.1, 75.8]	100.0
Pearson: Uncorrected chi2(1) =	0.2020				
Design-based F(1.00, 590.00) =	0.1419	Pr =	0.707		

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Stroke						
Yes (n=16)	41.6	[18.2, 69.4]	58.4	[30.6, 81.8]	100.0	
No (n=591)	29.3	[25.1, 34.0]	70.7	[66.0, 74.9]	100.0	
Pearson: Uncorrected chi2(1) =	0.9275					
Design-based F(1.00, 595.00) =	0.8243	Pr =	0.364			
Asthma						
Yes (n=80)	26.2	[16.5, 38.9]	73.8	[61.1, 83.5]	100.0	
No (n=527)	30.1	[25.5, 35.1]	69.9	[64.9, 74.5]	100.0	
Pearson: Uncorrected chi2(1) =	0.4816					
Design-based F(1.00, 595.00) =	0.3626	Pr =	0.547			
Chronic lung disease, COPD, or emphysema						
Yes (n=54)	28.9	[17.3, 44.2]	71.1	[55.8, 82.7]	100.0	
No (n=550)	29.8	[25.4, 34.7]	70.2	[65.3, 74.6]	100.0	
Pearson: Uncorrected chi2(1) =	0.0150					
Design-based F(1.00, 592.00) =	0.0144	Pr =	0.905			
Substance use disorder						
Yes (n=24)	27.7	[12.1, 51.5]	72.3	[48.5, 87.9]	100.0	
No (n=582)	29.8	[25.4, 34.5]	70.2	[65.5, 74.6]	100.0	
Pearson: Uncorrected chi2(1) =	0.0564					
Design-based F(1.00, 594.00) =	0.0354	Pr =	0.851			
Arthritis or a related condition						
Yes (n=134)	38.6	[29.3, 48.9]	61.4	[51.1, 70.7]	100.0	
No (n=471)	27.3	[22.7, 32.5]	72.7	[67.5, 77.3]	100.0	
Pearson: Uncorrected chi2(1) =	6.2159					
Design-based F(1.00, 593.00) =	4.3749	Pr =	0.037			
Other: cholesterol						
Yes (n=11)	11.7	[3.1, 35.6]	88.3	[64.4, 96.9]	100.0	
No (n=145)	30.4	[21.7, 40.6]	69.6	[59.4, 78.3]	100.0	
Pearson: Uncorrected chi2(1) =	1.4419					
Design-based F(1.00, 144.00) =	2.7525	Pr =	0.099			
Total (n=607)	29.6	[25.4, 34.2]	70.4	[65.8, 74.6]	100.0	

Note: χ^2 test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

8.3.2 Reason for applying: Had a medical condition that needed care by chronic conditions, experience of homelessness, housing instability, health literacy, and insurance status in the 12 months prior to HMP

	Had a medical condition that needed care				Total Row%
	Row%	Yes 95%CI	Row%	No 95%CI	
Number of chronic conditions					
None (n=186)	14.1	[8.9, 21.7]	85.9	[78.3, 91.1]	100.0
One (n=152)	14.2	[8.4, 23.1]	85.8	[76.9, 91.6]	100.0
Two or more (n=269)	26.3	[20.4, 33.1]	73.7	[66.9, 79.6]	100.0
Pearson: Uncorrected chi2(2) =	13.9242				
Design-based F(2.00, 1187.18) =	4.2288	Pr =	0.015		
Homeless in the past 12 months					
Yes (n=63)	24.7	[14.7, 38.3]	75.3	[61.7, 85.3]	100.0
No (n=542)	18.1	[14.4, 22.5]	81.9	[77.5, 85.6]	100.0
Pearson: Uncorrected chi2(1) =	1.9564				
Design-based F(1.00, 593.00) =	1.2394	Pr =	0.266		
Number of places lived in past 3 years					
One (n=293)	17.6	[12.6, 24.0]	82.4	[76.0, 87.4]	100.0
Two (n=188)	17.3	[11.9, 24.6]	82.7	[75.4, 88.1]	100.0
Three (n=73)	18.7	[10.6, 30.8]	81.3	[69.2, 89.4]	100.0
Four or more (n=48)	34.6	[20.2, 52.5]	65.4	[47.5, 79.8]	100.0
Pearson: Uncorrected chi2(3) =	9.0183				
Design-based F(2.98, 1756.95) =	1.9989	Pr =	0.113		
Need help reading written materials					
Never/rarely (n=508)	16.1	[12.5, 20.5]	83.9	[79.5, 87.5]	100.0
Sometimes/often/always (n=98)	34.7	[24.4, 46.8]	65.3	[53.2, 75.6]	100.0
Pearson: Uncorrected chi2(1) =	18.5551				
Design-based F(1.00, 594.00) =	12.5373	Pr =	0.000		
Insurance status in 12 months prior to HMP					
Uninsured all 12 months (n=280)	24.2	[18.7, 30.6]	75.8	[69.4, 81.3]	100.0
Uninsured some of the 12 months (n=153)	18.4	[11.7, 27.7]	81.6	[72.3, 88.3]	100.0
Insured all 12 months (n=169)	11.5	[6.5, 19.6]	88.5	[80.4, 93.5]	100.0
Pearson: Uncorrected chi2(2) =	11.0877				
Design-based F(1.99, 1176.93) =	3.4008	Pr =	0.034		
Hypertension					
Yes (n=181)	23.3	[16.4, 31.9]	76.7	[68.1, 83.6]	100.0
No (n=425)	17.5	[13.6, 22.4]	82.5	[77.6, 86.4]	100.0
Pearson: Uncorrected chi2(1) =	2.6304				
Design-based F(1.00, 594.00) =	1.7410	Pr =	0.188		
Heart condition or heart disease					
Yes (n=47)	37.6	[22.3, 56.0]	62.4	[44.0, 77.7]	100.0
No (n=556)	17.7	[14.1, 21.9]	82.3	[78.1, 85.9]	100.0
Pearson: Uncorrected chi2(1) =	8.8615				
Design-based F(1.00, 591.00) =	7.0419	Pr =	0.008		
Diabetes					
Yes (n=49)	38.8	[24.0, 56.0]	61.2	[44.0, 76.0]	100.0
No (n=556)	17.5	[13.9, 21.7]	82.5	[78.3, 86.1]	100.0
Pearson: Uncorrected chi2(1) =	11.6428				
Design-based F(1.00, 593.00) =	9.0191	Pr =	0.003		
Cancer					
Yes (n=29)	28.4	[13.7, 49.7]	71.6	[50.3, 86.3]	100.0
No (n=575)	18.5	[14.9, 22.8]	81.5	[77.2, 85.1]	100.0
Pearson: Uncorrected chi2(1) =	1.5982				
Design-based F(1.00, 592.00) =	1.3380	Pr =	0.248		
Mood disorder					
Yes (n=184)	28.2	[21.0, 36.8]	71.8	[63.2, 79.0]	100.0
No (n=418)	15.1	[11.3, 19.9]	84.9	[80.1, 88.7]	100.0
Pearson: Uncorrected chi2(1) =	14.3110				
Design-based F(1.00, 590.00) =	9.5623	Pr =	0.002		

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Stroke					
Yes (n=16)	16.0	[3.6, 49.1]	84.0	[50.9, 96.4]	100.0
No (n=591)	19.2	[15.6, 23.5]	80.8	[76.5, 84.4]	100.0
Pearson: Uncorrected chi2(1) =	0.0884				
Design-based F(1.00, 595.00) =	0.0730	Pr =	0.787		
Asthma					
Yes (n=80)	17.6	[9.5, 30.5]	82.4	[69.5, 90.5]	100.0
No (n=527)	19.4	[15.5, 23.9]	80.6	[76.1, 84.5]	100.0
Pearson: Uncorrected chi2(1) =	0.1288				
Design-based F(1.00, 595.00) =	0.0866	Pr =	0.769		
Chronic lung disease, COPD, or emphysema					
Yes (n=54)	26.7	[15.3, 42.3]	73.3	[57.7, 84.7]	100.0
No (n=550)	18.3	[14.6, 22.6]	81.7	[77.4, 85.4]	100.0
Pearson: Uncorrected chi2(1) =	1.8269				
Design-based F(1.00, 592.00) =	1.6551	Pr =	0.199		
Substance use disorder					
Yes (n=24)	52.3	[30.6, 73.2]	47.7	[26.8, 69.4]	100.0
No (n=582)	17.3	[13.8, 21.4]	82.7	[78.6, 86.2]	100.0
Pearson: Uncorrected chi2(1) =	22.4966				
Design-based F(1.00, 594.00) =	14.1734	Pr =	0.000		
Arthritis or a related condition					
Yes (n=134)	23.3	[15.9, 32.7]	76.7	[67.3, 84.1]	100.0
No (n=471)	17.9	[13.9, 22.7]	82.1	[77.3, 86.1]	100.0
Pearson: Uncorrected chi2(1) =	1.9261				
Design-based F(1.00, 593.00) =	1.3897	Pr =	0.239		
Other: cholesterol					
Yes (n=11)	16.3	[3.9, 48.5]	83.7	[51.5, 96.1]	100.0
No (n=145)	31.7	[23.1, 41.8]	68.3	[58.2, 76.9]	100.0
Pearson: Uncorrected chi2(1) =	0.9578				
Design-based F(1.00, 144.00) =	1.1785	Pr =	0.279		
Total (n=607)	19.2	[15.6, 23.3]	80.8	[76.7, 84.4]	100.0

Note: χ^2 test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

8.3.3 Reason for applying: Suggested/signed up at ER/hospital/other by chronic conditions, experience of homelessness, housing instability, health literacy, and insurance status in the 12 months prior to HMP

	Suggested/signed up at ER/hospital/other				
	Row%	Yes 95%CI	Row%	No 95%CI	Total Row%
Number of chronic conditions					
None (n=186)	16.8	[10.9, 24.9]	83.2	[75.1, 89.1]	100.0
One (n=152)	16.7	[10.6, 25.3]	83.3	[74.7, 89.4]	100.0
Two or more (n=269)	13.0	[8.8, 18.7]	87.0	[81.3, 91.2]	100.0
Pearson: Uncorrected chi2(2) =	1.6013				
Design-based F(1.99, 1182.59) =	0.5060	Pr =	0.602		
Homeless in the past 12 months					
Yes (n=63)	21.8	[12.0, 36.2]	78.2	[63.8, 88.0]	100.0
No (n=542)	14.2	[10.9, 18.3]	85.8	[81.7, 89.1]	100.0
Pearson: Uncorrected chi2(1) =	3.0948				
Design-based F(1.00, 593.00) =	1.7664	Pr =	0.184		
Number of places lived in past 3 years					
One (n=293)	13.6	[9.4, 19.3]	86.4	[80.7, 90.6]	100.0
Two (n=188)	19.1	[12.8, 27.4]	80.9	[72.6, 87.2]	100.0
Three (n=73)	8.6	[3.4, 20.2]	91.4	[79.8, 96.6]	100.0
Four or more (n=48)	20.2	[10.0, 36.6]	79.8	[63.4, 90.0]	100.0
Pearson: Uncorrected chi2(3) =	6.3752				
Design-based F(2.99, 1767.02) =	1.3636	Pr =	0.252		
Need help reading written materials					
Never/rarely (n=508)	15.5	[11.9, 19.9]	84.5	[80.1, 88.1]	100.0
Sometimes/often/always (n=98)	13.7	[7.3, 24.2]	86.3	[75.8, 92.7]	100.0
Pearson: Uncorrected chi2(1) =	0.2147				
Design-based F(1.00, 594.00) =	0.1421	Pr =	0.706		
Insurance status in 12 months prior to HMP					
Uninsured all 12 months (n=280)	22.2	[16.7, 28.8]	77.8	[71.2, 83.3]	100.0
Uninsured some of the 12 months (n=153)	14.2	[8.5, 22.8]	85.8	[77.2, 91.5]	100.0
Insured all 12 months (n=169)	3.9	[1.4, 10.7]	96.1	[89.3, 98.6]	100.0
Pearson: Uncorrected chi2(2) =	27.6038				
Design-based F(1.98, 1167.30) =	8.0732	Pr =	0.000		
Hypertension					
Yes (n=181)	19.2	[13.2, 27.0]	80.8	[73.0, 86.8]	100.0
No (n=425)	13.4	[9.8, 18.2]	86.6	[81.8, 90.2]	100.0
Pearson: Uncorrected chi2(1) =	3.1873				
Design-based F(1.00, 594.00) =	2.1206	Pr =	0.146		
Heart condition or heart disease					
Yes (n=47)	11.8	[4.5, 27.6]	88.2	[72.4, 95.5]	100.0
No (n=556)	15.2	[11.8, 19.3]	84.8	[80.7, 88.2]	100.0
Pearson: Uncorrected chi2(1) =	0.3061				
Design-based F(1.00, 591.00) =	0.2780	Pr =	0.598		
Diabetes					
Yes (n=49)	12.5	[4.8, 28.9]	87.5	[71.1, 95.2]	100.0
No (n=556)	15.4	[12.0, 19.6]	84.6	[80.4, 88.0]	100.0
Pearson: Uncorrected chi2(1) =	0.2659				
Design-based F(1.00, 593.00) =	0.1996	Pr =	0.655		
Cancer					
Yes (n=29)	15.4	[5.5, 36.4]	84.6	[63.6, 94.5]	100.0
No (n=575)	14.9	[11.6, 19.0]	85.1	[81.0, 88.4]	100.0
Pearson: Uncorrected chi2(1) =	0.0052				
Design-based F(1.00, 592.00) =	0.0043	Pr =	0.947		
Mood disorder					
Yes (n=184)	10.5	[6.2, 17.1]	89.5	[82.9, 93.8]	100.0
No (n=418)	17.6	[13.4, 22.7]	82.4	[77.3, 86.6]	100.0
Pearson: Uncorrected chi2(1) =	4.9186				
Design-based F(1.00, 590.00) =	3.2919	Pr =	0.070		

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Stroke					
Yes (n=16)	10.1	[3.6, 25.5]	89.9	[74.5, 96.4]	100.0
No (n=591)	15.3	[12.0, 19.3]	84.7	[80.7, 88.0]	100.0
Pearson: Uncorrected chi2(1) =	0.2675				
Design-based F(1.00, 595.00) =	0.6657	Pr =	0.415		
Asthma					
Yes (n=80)	14.6	[7.1, 27.7]	85.4	[72.3, 92.9]	100.0
No (n=527)	15.3	[11.8, 19.5]	84.7	[80.5, 88.2]	100.0
Pearson: Uncorrected chi2(1) =	0.0249				
Design-based F(1.00, 595.00) =	0.0154	Pr =	0.901		
Chronic lung disease, COPD, or emphysema					
Yes (n=54)	18.4	[8.3, 35.7]	81.6	[64.3, 91.7]	100.0
No (n=550)	15.0	[11.7, 19.2]	85.0	[80.8, 88.3]	100.0
Pearson: Uncorrected chi2(1) =	0.3402				
Design-based F(1.00, 592.00) =	0.2467	Pr =	0.620		
Substance use disorder					
Yes (n=24)	28.0	[12.5, 51.3]	72.0	[48.7, 87.5]	100.0
No (n=582)	14.6	[11.3, 18.6]	85.4	[81.4, 88.7]	100.0
Pearson: Uncorrected chi2(1) =	3.9464				
Design-based F(1.00, 594.00) =	2.5425	Pr =	0.111		
Arthritis or a related condition					
Yes (n=134)	9.0	[4.5, 17.1]	91.0	[82.9, 95.5]	100.0
No (n=471)	16.6	[12.8, 21.2]	83.4	[78.8, 87.2]	100.0
Pearson: Uncorrected chi2(1) =	4.6211				
Design-based F(1.00, 593.00) =	3.0573	Pr =	0.081		
Other: cholesterol					
Yes (n=11)	4.0	[0.6, 23.5]	96.0	[76.5, 99.4]	100.0
No (n=145)	13.1	[7.8, 21.0]	86.9	[79.0, 92.2]	100.0
Pearson: Uncorrected chi2(1) =	0.6447				
Design-based F(1.00, 144.00) =	1.6882	Pr =	0.196		
Total (n=607)	15.2	[11.9, 19.1]	84.8	[80.9, 88.1]	100.0

Note: χ^2 test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

8.3.4 Reason for applying: Suggested/signed up by caseworker/social services agency by chronic conditions, experience of homelessness, housing instability, health literacy, and insurance status in the 12 months prior to HMP

	Suggested/signed up by caseworker/social service agency				
	Row%	Yes 95%CI	Row%	No 95%CI	Total Row%
Number of chronic conditions					
None (n=186)	6.9	[3.5, 13.3]	93.1	[86.7, 96.5]	100.0
One (n=152)	5.1	[2.4, 10.6]	94.9	[89.4, 97.6]	100.0
Two or more (n=269)	4.9	[2.6, 8.9]	95.1	[91.1, 97.4]	100.0
Pearson: Uncorrected chi2(2) =	0.9726				
Design-based F(1.97, 1172.86) =	0.3494	Pr =	0.702		
Homeless in the past 12 months					
Yes (n=63)	8.8	[3.3, 21.5]	91.2	[78.5, 96.7]	100.0
No (n=542)	5.1	[3.3, 7.8]	94.9	[92.2, 96.7]	100.0
Pearson: Uncorrected chi2(1) =	1.8015				
Design-based F(1.00, 593.00) =	1.0397	Pr =	0.308		
Number of places lived in past 3 years					
One (n=293)	7.4	[4.5, 11.9]	92.6	[88.1, 95.5]	100.0
Two (n=188)	4.4	[1.7, 10.8]	95.6	[89.2, 98.3]	100.0
Three (n=73)	1.4	[0.5, 3.9]	98.6	[96.1, 99.5]	100.0
Four or more (n=48)	7.4	[2.6, 19.3]	92.6	[80.7, 97.4]	100.0
Pearson: Uncorrected chi2(3) =	5.2150				
Design-based F(2.33, 1371.97) =	1.5671	Pr =	0.205		
Need help reading written materials					
Never/rarely (n=508)	5.4	[3.5, 8.4]	94.6	[91.6, 96.5]	100.0
Sometimes/often/always (n=98)	6.7	[2.7, 15.7]	93.3	[84.3, 97.3]	100.0
Pearson: Uncorrected chi2(1) =	0.2541				
Design-based F(1.00, 594.00) =	0.1731	Pr =	0.677		
Insurance status in 12 months prior to HMP					
Uninsured all 12 months (n=280)	8.0	[4.9, 12.9]	92.0	[87.1, 95.1]	100.0
Uninsured some of the 12 months (n=153)	3.7	[1.6, 8.8]	96.3	[91.2, 98.4]	100.0
Insured all 12 months (n=169)	3.2	[1.2, 8.4]	96.8	[91.6, 98.8]	100.0
Pearson: Uncorrected chi2(2) =	6.0148				
Design-based F(1.98, 1168.52) =	2.2886	Pr =	0.102		
Hypertension					
Yes (n=181)	6.3	[3.2, 12.0]	93.7	[88.0, 96.8]	100.0
No (n=425)	5.4	[3.3, 8.7]	94.6	[91.3, 96.7]	100.0
Pearson: Uncorrected chi2(1) =	0.2074				
Design-based F(1.00, 594.00) =	0.1511	Pr =	0.698		
Heart condition or heart disease					
Yes (n=47)	2.0	[0.5, 7.0]	98.0	[93.0, 99.5]	100.0
No (n=556)	5.9	[3.9, 8.8]	94.1	[91.2, 96.1]	100.0
Pearson: Uncorrected chi2(1) =	0.9952				
Design-based F(1.00, 591.00) =	2.9307	Pr =	0.087		
Diabetes					
Yes (n=49)	3.0	[1.2, 7.4]	97.0	[92.6, 98.8]	100.0
No (n=556)	5.8	[3.9, 8.7]	94.2	[91.3, 96.1]	100.0
Pearson: Uncorrected chi2(1) =	0.5832				
Design-based F(1.00, 593.00) =	1.7476	Pr =	0.187		
Cancer					
Yes (n=29)	0.0		100.0		100.0
No (n=575)	5.9	[4.0, 8.7]	94.1	[91.3, 96.0]	100.0
Pearson: Uncorrected chi2(1) =	1.6605				
Design-based F(1.00, 592.00) =	1.2294	Pr =	0.268		
Mood disorder					
Yes (n=184)	4.6	[2.1, 9.5]	95.4	[90.5, 97.9]	100.0
No (n=418)	6.2	[3.9, 9.7]	93.8	[90.3, 96.1]	100.0
Pearson: Uncorrected chi2(1) =	0.6330				
Design-based F(1.00, 590.00) =	0.4671	Pr =	0.495		

Continued on next page

Continued from previous page

Stroke						
Yes (n=16)	15.1	[2.3, 57.2]	84.9	[42.8, 97.7]	100.0	
No (n=591)	5.4	[3.6, 8.0]	94.6	[92.0, 96.4]	100.0	
Pearson: Uncorrected chi2(1) =	2.3021					
Design-based F(1.00, 595.00) =	1.3107	Pr =	0.253			
Asthma						
Yes (n=80)	7.1	[2.6, 17.8]	92.9	[82.2, 97.4]	100.0	
No (n=527)	5.4	[3.5, 8.3]	94.6	[91.7, 96.5]	100.0	
Pearson: Uncorrected chi2(1) =	0.3565					
Design-based F(1.00, 595.00) =	0.2514	Pr =	0.616			
Chronic lung disease, COPD, or emphysema						
Yes (n=54)	1.5	[0.4, 5.2]	98.5	[94.8, 99.6]	100.0	
No (n=550)	6.0	[4.0, 8.9]	94.0	[91.1, 96.0]	100.0	
Pearson: Uncorrected chi2(1) =	1.4989					
Design-based F(1.00, 592.00) =	5.1516	Pr =	0.024			
Substance use disorder						
Yes (n=24)	1.5	[0.3, 8.1]	98.5	[91.9, 99.7]	100.0	
No (n=582)	5.8	[3.9, 8.7]	94.2	[91.3, 96.1]	100.0	
Pearson: Uncorrected chi2(1) =	1.0183					
Design-based F(1.00, 594.00) =	2.7818	Pr =	0.096			
Arthritis or a related condition						
Yes (n=134)	5.8	[3.0, 10.8]	94.2	[89.2, 97.0]	100.0	
No (n=471)	5.6	[3.5, 8.9]	94.4	[91.1, 96.5]	100.0	
Pearson: Uncorrected chi2(1) =	0.0079					
Design-based F(1.00, 593.00) =	0.0079	Pr =	0.929			
Other: cholesterol						
Yes (n=11)	4.8	[0.7, 27.2]	95.2	[72.8, 99.3]	100.0	
No (n=145)	2.9	[1.1, 7.6]	97.1	[92.4, 98.9]	100.0	
Pearson: Uncorrected chi2(1) =	0.1061					
Design-based F(1.00, 144.00) =	0.2180	Pr =	0.641			
Total (n=607)	5.6	[3.8, 8.3]	94.4	[91.7, 96.2]	100.0	

Note: χ^2 test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

8.3.5 Reason for applying: Needed some form of health insurance by chronic conditions, experience of homelessness, housing instability, health literacy, and insurance status in the 12 months prior to HMP

	Needed some form of health insurance				Total Row%
	Row%	Yes 95%CI	Row%	No 95%CI	
Number of chronic conditions					
None (n=186)	16.5	[11.0, 23.9]	83.5	[76.1, 89.0]	100.0
One (n=152)	16.3	[10.2, 25.2]	83.7	[74.8, 89.8]	100.0
Two or more (n=269)	12.9	[8.7, 18.8]	87.1	[81.2, 91.3]	100.0
Pearson: Uncorrected chi2(2) =	1.4205				
Design-based F(2.00, 1188.54) =	0.4576	Pr =	0.633		
Homeless in the past 12 months					
Yes (n=63)	8.9	[3.9, 19.4]	91.1	[80.6, 96.1]	100.0
No (n=542)	15.9	[12.4, 20.2]	84.1	[79.8, 87.6]	100.0
Pearson: Uncorrected chi2(1) =	2.7003				
Design-based F(1.00, 593.00) =	1.9383	Pr =	0.164		
Number of places lived in past 3 years					
One (n=293)	12.8	[8.7, 18.4]	87.2	[81.6, 91.3]	100.0
Two (n=188)	17.0	[11.3, 24.8]	83.0	[75.2, 88.7]	100.0
Three (n=73)	22.1	[12.3, 36.3]	77.9	[63.7, 87.7]	100.0
Four or more (n=48)	7.4	[3.4, 15.4]	92.6	[84.6, 96.6]	100.0
Pearson: Uncorrected chi2(3) =	7.2074				
Design-based F(2.70, 1590.68) =	1.8341	Pr =	0.145		
Need help reading written materials					
Never/rarely (n=508)	15.2	[11.7, 19.6]	84.8	[80.4, 88.3]	100.0
Sometimes/often/always (n=98)	13.6	[7.8, 22.6]	86.4	[77.4, 92.2]	100.0
Pearson: Uncorrected chi2(1) =	0.1805				
Design-based F(1.00, 594.00) =	0.1467	Pr =	0.702		
Insurance status in 12 months prior to HMP					
Uninsured all 12 months (n=280)	18.9	[13.6, 25.6]	81.1	[74.4, 86.4]	100.0
Uninsured some of the 12 months (n=153)	17.2	[11.6, 24.7]	82.8	[75.3, 88.4]	100.0
Insured all 12 months (n=169)	5.8	[2.8, 11.7]	94.2	[88.3, 97.2]	100.0
Pearson: Uncorrected chi2(2) =	15.0945				
Design-based F(1.99, 1173.02) =	5.5700	Pr =	0.004		
Hypertension					
Yes (n=181)	10.0	[5.6, 17.2]	90.0	[82.8, 94.4]	100.0
No (n=425)	17.0	[13.0, 21.8]	83.0	[78.2, 87.0]	100.0
Pearson: Uncorrected chi2(1) =	4.7131				
Design-based F(1.00, 594.00) =	3.0240	Pr =	0.083		
Heart condition or heart disease					
Yes (n=47)	18.8	[8.1, 37.8]	81.2	[62.2, 91.9]	100.0
No (n=556)	14.9	[11.6, 18.9]	85.1	[81.1, 88.4]	100.0
Pearson: Uncorrected chi2(1) =	0.4203				
Design-based F(1.00, 591.00) =	0.3112	Pr =	0.577		
Diabetes					
Yes (n=49)	4.5	[1.4, 13.5]	95.5	[86.5, 98.6]	100.0
No (n=556)	15.8	[12.4, 19.9]	84.2	[80.1, 87.6]	100.0
Pearson: Uncorrected chi2(1) =	3.9546				
Design-based F(1.00, 593.00) =	5.6715	Pr =	0.018		
Cancer					
Yes (n=29)	14.2	[3.7, 41.9]	85.8	[58.1, 96.3]	100.0
No (n=575)	15.1	[11.8, 19.1]	84.9	[80.9, 88.2]	100.0
Pearson: Uncorrected chi2(1) =	0.0160				
Design-based F(1.00, 592.00) =	0.0089	Pr =	0.925		
Mood disorder					
Yes (n=184)	10.8	[6.7, 17.1]	89.2	[82.9, 93.3]	100.0
No (n=418)	16.2	[12.2, 21.2]	83.8	[78.8, 87.8]	100.0
Pearson: Uncorrected chi2(1) =	3.0060				
Design-based F(1.00, 590.00) =	2.1906	Pr =	0.139		

Continued on next page

Continued from previous page

Stroke					
Yes (n=16)	7.2	[1.9, 23.6]	92.8	[76.4, 98.1]	100.0
No (n=591)	15.1	[11.9, 19.1]	84.9	[80.9, 88.1]	100.0
Pearson: Uncorrected chi2(1) =	0.6399				
Design-based F(1.00, 595.00) =	1.4221	Pr =	0.234		
Asthma					
Yes (n=80)	20.8	[11.5, 34.6]	79.2	[65.4, 88.5]	100.0
No (n=527)	14.1	[10.8, 18.2]	85.9	[81.8, 89.2]	100.0
Pearson: Uncorrected chi2(1) =	2.3308				
Design-based F(1.00, 595.00) =	1.4618	Pr =	0.227		
Chronic lung disease, COPD, or emphysema					
Yes (n=54)	20.5	[9.8, 38.0]	79.5	[62.0, 90.2]	100.0
No (n=550)	14.6	[11.3, 18.7]	85.4	[81.3, 88.7]	100.0
Pearson: Uncorrected chi2(1) =	1.0560				
Design-based F(1.00, 592.00) =	0.7670	Pr =	0.381		
Substance use disorder					
Yes (n=24)	8.3	[1.2, 39.7]	91.7	[60.3, 98.8]	100.0
No (n=582)	15.3	[12.0, 19.3]	84.7	[80.7, 88.0]	100.0
Pearson: Uncorrected chi2(1) =	1.0836				
Design-based F(1.00, 594.00) =	0.4749	Pr =	0.491		
Arthritis or a related condition					
Yes (n=134)	12.4	[6.8, 21.7]	87.6	[78.3, 93.2]	100.0
No (n=471)	15.8	[12.1, 20.2]	84.2	[79.8, 87.9]	100.0
Pearson: Uncorrected chi2(1) =	0.8747				
Design-based F(1.00, 593.00) =	0.5380	Pr =	0.464		
Other: cholesterol					
Yes (n=11)	8.1	[1.2, 39.4]	91.9	[60.6, 98.8]	100.0
No (n=145)	13.8	[8.0, 22.7]	86.2	[77.3, 92.0]	100.0
Pearson: Uncorrected chi2(1) =	0.2412				
Design-based F(1.00, 144.00) =	0.3291	Pr =	0.567		
Total (n=607)	15.0	[11.8, 18.8]	85.0	[81.2, 88.2]	100.0

Note: χ^2 test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

8.3.6 Reason for applying: Wanted to avoid tax return garnishment/penalty by chronic conditions, experience of homelessness, housing instability, health literacy, and insurance status in the 12 months prior to HMP

	Wanted to avoid tax return garnishment/penalty				
	Row%	Yes 95%CI	Row%	No 95%CI	Total Row%
Number of chronic conditions					
None (n=186)	2.8	[1.2, 6.1]	97.2	[93.9, 98.8]	100.0
One (n=152)	2.4	[0.6, 9.4]	97.6	[90.6, 99.4]	100.0
Two or more (n=269)	1.2	[0.4, 3.2]	98.8	[96.8, 99.6]	100.0
Pearson: Uncorrected chi2(2) =	1.5738				
Design-based F(1.81, 1074.02) =	0.6427	Pr =	0.511		
Homeless in the past 12 months					
Yes (n=63)	3.0	[0.4, 17.6]	97.0	[82.4, 99.6]	100.0
No (n=542)	1.9	[1.0, 3.4]	98.1	[96.6, 99.0]	100.0
Pearson: Uncorrected chi2(1) =	0.4151				
Design-based F(1.00, 593.00) =	0.2040	Pr =	0.652		
Number of places lived in past 3 years					
One (n=293)	2.1	[0.9, 4.6]	97.9	[95.4, 99.1]	100.0
Two (n=188)	2.0	[0.8, 5.1]	98.0	[94.9, 99.2]	100.0
Three (n=73)	3.6	[0.7, 16.8]	96.4	[83.2, 99.3]	100.0
Four or more (n=48)	0.0		100.0		100.0
Pearson: Uncorrected chi2(3) =	2.0044				
Design-based F(2.66, 1568.92) =	0.5024	Pr =	0.658		
Need help reading written materials					
Never/rarely (n=508)	2.2	[1.1, 4.2]	97.8	[95.8, 98.9]	100.0
Sometimes/often/always (n=98)	1.4	[0.5, 4.0]	98.6	[96.0, 99.5]	100.0
Pearson: Uncorrected chi2(1) =	0.2101				
Design-based F(1.00, 594.00) =	0.4095	Pr =	0.522		
Insurance status in 12 months prior to HMP					
Uninsured all 12 months (n=280)	2.3	[1.0, 4.9]	97.7	[95.1, 99.0]	100.0
Uninsured some of the 12 months (n=153)	2.1	[0.5, 9.1]	97.9	[90.9, 99.5]	100.0
Insured all 12 months (n=169)	1.6	[0.5, 4.7]	98.4	[95.3, 99.5]	100.0
Pearson: Uncorrected chi2(2) =	0.2529				
Design-based F(1.85, 1092.76) =	0.0990	Pr =	0.892		
Hypertension					
Yes (n=181)	0.7	[0.1, 4.6]	99.3	[95.4, 99.9]	100.0
No (n=425)	2.6	[1.4, 4.8]	97.4	[95.2, 98.6]	100.0
Pearson: Uncorrected chi2(1) =	2.1850				
Design-based F(1.00, 594.00) =	1.8980	Pr =	0.169		
Heart condition or heart disease					
Yes (n=47)	0.0		100.0		100.0
No (n=556)	2.2	[1.2, 4.0]	97.8	[96.0, 98.8]	100.0
Pearson: Uncorrected chi2(1) =	0.8119				
Design-based F(1.00, 591.00) =	0.6752	Pr =	0.412		
Diabetes					
Yes (n=49)	0.0		100.0		100.0
No (n=556)	2.2	[1.2, 4.0]	97.8	[96.0, 98.8]	100.0
Pearson: Uncorrected chi2(1) =	0.9466				
Design-based F(1.00, 593.00) =	0.7883	Pr =	0.375		
Cancer					
Yes (n=29)	2.7	[0.4, 14.7]	97.3	[85.3, 99.6]	100.0
No (n=575)	2.0	[1.1, 3.8]	98.0	[96.2, 98.9]	100.0
Pearson: Uncorrected chi2(1) =	0.0588				
Design-based F(1.00, 592.00) =	0.0926	Pr =	0.761		
Mood disorder					
Yes (n=184)	0.7	[0.2, 2.3]	99.3	[97.7, 99.8]	100.0
No (n=418)	2.6	[1.3, 5.0]	97.4	[95.0, 98.7]	100.0
Pearson: Uncorrected chi2(1) =	2.3987				
Design-based F(1.00, 590.00) =	4.0690	Pr =	0.044		

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Continued from previous page

Stroke					
Yes (n=16)	0.0		100.0		100.0
No (n=591)	2.1	[1.1, 3.8]	97.9	[96.2, 98.9]	100.0
Pearson: Uncorrected chi2(1) =	0.2802				
Design-based F(1.00, 595.00) =	0.2370	Pr =	0.627		
Asthma					
Yes (n=80)	1.6	[0.2, 10.0]	98.4	[90.0, 99.8]	100.0
No (n=527)	2.1	[1.1, 4.0]	97.9	[96.0, 98.9]	100.0
Pearson: Uncorrected chi2(1) =	0.0906				
Design-based F(1.00, 595.00) =	0.0782	Pr =	0.780		
Chronic lung disease, COPD, or emphysema					
Yes (n=54)	0.0		100.0		100.0
No (n=550)	2.2	[1.2, 4.0]	97.8	[96.0, 98.8]	100.0
Pearson: Uncorrected chi2(1) =	0.9609				
Design-based F(1.00, 592.00) =	0.8211	Pr =	0.365		
Substance use disorder					
Yes (n=24)	0.0		100.0		100.0
No (n=582)	2.1	[1.2, 3.9]	97.9	[96.1, 98.8]	100.0
Pearson: Uncorrected chi2(1) =	0.6504				
Design-based F(1.00, 594.00) =	0.5015	Pr =	0.479		
Arthritis or a related condition					
Yes (n=134)	3.6	[1.2, 10.8]	96.4	[89.2, 98.8]	100.0
No (n=471)	1.6	[0.8, 3.2]	98.4	[96.8, 99.2]	100.0
Pearson: Uncorrected chi2(1) =	2.0417				
Design-based F(1.00, 593.00) =	1.4882	Pr =	0.223		
Other: cholesterol					
Yes (n=11)	0.0		100.0		100.0
No (n=145)	1.8	[0.5, 6.0]	98.2	[94.0, 99.5]	100.0
Pearson: Uncorrected chi2(1) =	0.1669				
Design-based F(1.00, 144.00) =	0.1465	Pr =	0.702		
Total (n=607)	2.0	[1.1, 3.7]	98.0	[96.3, 98.9]	100.0

Note: χ^2 test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

8.3.7 Reason for applying: Other by chronic conditions, experience of homelessness, housing instability, health literacy, and insurance status in the 12 months prior to HMP

	Row%	Yes 95%CI	Other Row%	No 95%CI	Total Row%
Number of chronic conditions					
None (n=186)	19.7	[14.3, 26.6]	80.3	[73.4, 85.7]	100.0
One (n=152)	25.6	[18.2, 34.8]	74.4	[65.2, 81.8]	100.0
Two or more (n=269)	20.4	[15.3, 26.7]	79.6	[73.3, 84.7]	100.0
Pearson: Uncorrected chi2(2) =	2.1136				
Design-based F(2.00, 1187.38) =	0.7768	Pr =	0.460		
Homeless in the past 12 months					
Yes (n=63)	24.4	[14.5, 38.1]	75.6	[61.9, 85.5]	100.0
No (n=542)	21.1	[17.4, 25.4]	78.9	[74.6, 82.6]	100.0
Pearson: Uncorrected chi2(1) =	0.4429				
Design-based F(1.00, 593.00) =	0.2815	Pr =	0.596		
Number of places lived in past 3 years					
One (n=293)	17.9	[13.5, 23.4]	82.1	[76.6, 86.5]	100.0
Two (n=188)	29.4	[22.2, 37.8]	70.6	[62.2, 77.8]	100.0
Three (n=73)	16.6	[8.9, 28.8]	83.4	[71.2, 91.1]	100.0
Four or more (n=48)	16.2	[8.1, 29.9]	83.8	[70.1, 91.9]	100.0
Pearson: Uncorrected chi2(3) =	11.2557				
Design-based F(2.98, 1759.35) =	2.8528	Pr =	0.036		
Need help reading written materials					
Never/rarely (n=508)	21.1	[17.3, 25.5]	78.9	[74.5, 82.7]	100.0
Sometimes/often/always (n=98)	23.6	[15.2, 34.8]	76.4	[65.2, 84.8]	100.0
Pearson: Uncorrected chi2(1) =	0.3081				
Design-based F(1.00, 594.00) =	0.2246	Pr =	0.636		
Insurance status in 12 months prior to HMP					
Uninsured all 12 months (n=280)	24.9	[19.6, 31.1]	75.1	[68.9, 80.4]	100.0
Uninsured some of the 12 months (n=153)	15.2	[9.7, 22.9]	84.8	[77.1, 90.3]	100.0
Insured all 12 months (n=169)	21.0	[14.5, 29.4]	79.0	[70.6, 85.5]	100.0
Pearson: Uncorrected chi2(2) =	5.4785				
Design-based F(1.99, 1176.51) =	2.0308	Pr =	0.132		
Hypertension					
Yes (n=181)	23.4	[16.8, 31.5]	76.6	[68.5, 83.2]	100.0
No (n=425)	20.8	[16.7, 25.6]	79.2	[74.4, 83.3]	100.0
Pearson: Uncorrected chi2(1) =	0.4804				
Design-based F(1.00, 594.00) =	0.3559	Pr =	0.551		
Heart condition or heart disease					
Yes (n=47)	17.1	[7.6, 34.2]	82.9	[65.8, 92.4]	100.0
No (n=556)	21.9	[18.1, 26.1]	78.1	[73.9, 81.9]	100.0
Pearson: Uncorrected chi2(1) =	0.4515				
Design-based F(1.00, 591.00) =	0.3942	Pr =	0.530		
Diabetes					
Yes (n=49)	20.3	[9.7, 37.8]	79.7	[62.2, 90.3]	100.0
No (n=556)	21.6	[17.9, 25.8]	78.4	[74.2, 82.1]	100.0
Pearson: Uncorrected chi2(1) =	0.0388				
Design-based F(1.00, 593.00) =	0.0292	Pr =	0.864		
Cancer					
Yes (n=29)	16.0	[5.0, 40.7]	84.0	[59.3, 95.0]	100.0
No (n=575)	21.9	[18.3, 26.1]	78.1	[73.9, 81.7]	100.0
Pearson: Uncorrected chi2(1) =	0.5297				
Design-based F(1.00, 592.00) =	0.3499	Pr =	0.554		
Mood disorder					
Yes (n=184)	23.2	[16.6, 31.4]	76.8	[68.6, 83.4]	100.0
No (n=418)	21.0	[16.9, 25.8]	79.0	[74.2, 83.1]	100.0
Pearson: Uncorrected chi2(1) =	0.3490				
Design-based F(1.00, 590.00) =	0.2436	Pr =	0.622		

Continued on next page

Continued from previous page

Stroke					
Yes (n=16)	22.6	[6.1, 56.9]	77.4	[43.1, 93.9]	100.0
No (n=591)	21.5	[17.9, 25.6]	78.5	[74.4, 82.1]	100.0
Pearson: Uncorrected chi2(1) =	0.0092				
Design-based F(1.00, 595.00) =	0.0068	Pr =	0.934		
Asthma					
Yes (n=80)	26.3	[16.8, 38.6]	73.7	[61.4, 83.2]	100.0
No (n=527)	20.8	[17.1, 25.2]	79.2	[74.8, 82.9]	100.0
Pearson: Uncorrected chi2(1) =	1.1637				
Design-based F(1.00, 595.00) =	0.9172	Pr =	0.339		
Chronic lung disease, COPD, or emphysema					
Yes (n=54)	19.2	[10.9, 31.5]	80.8	[68.5, 89.1]	100.0
No (n=550)	21.8	[18.1, 26.1]	78.2	[73.9, 81.9]	100.0
Pearson: Uncorrected chi2(1) =	0.1593				
Design-based F(1.00, 592.00) =	0.2013	Pr =	0.654		
Substance use disorder					
Yes (n=24)	0.0		100.0		100.0
No (n=582)	22.7	[18.9, 26.9]	77.3	[73.1, 81.1]	100.0
Pearson: Uncorrected chi2(1) =	8.5695				
Design-based F(1.00, 594.00) =	5.6749	Pr =	0.018		
Arthritis or a related condition					
Yes (n=134)	16.8	[11.0, 24.8]	83.2	[75.2, 89.0]	100.0
No (n=471)	22.9	[18.8, 27.7]	77.1	[72.3, 81.2]	100.0
Pearson: Uncorrected chi2(1) =	2.2283				
Design-based F(1.00, 593.00) =	1.8969	Pr =	0.169		
Other: cholesterol					
Yes (n=11)	17.8	[4.1, 52.2]	82.2	[47.8, 95.9]	100.0
No (n=145)	25.4	[17.8, 34.9]	74.6	[65.1, 82.2]	100.0
Pearson: Uncorrected chi2(1) =	0.2683				
Design-based F(1.00, 144.00) =	0.2978	Pr =	0.586		
Total (n=607)	21.5	[18.0, 25.5]	78.5	[74.5, 82.0]	100.0

Note: χ^2 test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

8.3.8 Reason for applying: Lost my other health insurance by specific age categories

	Lost my other health insurance				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
Age categories highlighting life changes					
19-21 (n=31)	30.7	[14.8, 53.1]	69.3	[46.9, 85.2]	100.0
26-28 (n=73)	27.2	[17.1, 40.3]	72.8	[59.7, 82.9]	100.0
All other ages (n=503)	29.9	[25.3, 35.0]	70.1	[65.0, 74.7]	100.0
Pearson: Uncorrected chi2(2) =	0.2799				
Design-based F(1.96, 1166.54) =	0.0807	Pr =	0.919		
Total (n=607)	29.6	[25.4, 34.2]	70.4	[65.8, 74.6]	100.0

Note: χ^2 test of independence.

8.3.9 Reason for applying: Needed some form of health insurance by specific age categories

	Needed some form of health insurance				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
Age categories highlighting life changes					
19-21 (n=31)	10.1	[4.5, 21.3]	89.9	[78.7, 95.5]	100.0
26-28 (n=73)	23.0	[13.0, 37.4]	77.0	[62.6, 87.0]	100.0
All other ages (n=503)	14.0	[10.6, 18.2]	86.0	[81.8, 89.4]	100.0
Pearson: Uncorrected chi2(2) =	5.3418				
Design-based F(1.75, 1040.42) =	2.0895	Pr =	0.131		
Total (n=607)	15.0	[11.8, 18.8]	85.0	[81.2, 88.2]	100.0

Note: χ^2 test of independence.

2017 Healthy Michigan Voices New Enrollee Survey Instrument

Appendix C

INT00: Introduction:

Healthy Michigan Voices is a project at the University of Michigan – you might remember getting a letter and brochure about the project recently.

- We're speaking with people around the state who **recently enrolled** in the Healthy Michigan Plan, to learn more about their experiences with the program so far.
- The survey takes about 10 minutes, and includes questions about your insurance coverage before Healthy Michigan Plan, the process of enrolling and selecting a primary care provider, and your understanding of what the Healthy Michigan Plan covers.

INT10: Okay, just a couple of quick things for you to know before we start:

- The survey is confidential; your information will be stored at the University of Michigan in a computer file that does not include your name. 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]

CH_DOB: Ok, we have your ID listed as <\$Q>.

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: And your first month of enrollment in the Healthy Michigan Plan in [HMP first month/year autofilled]. Does that sound about right? Yes/No [TEXT BOX OPTION]

For these first few questions, I am going to ask you to think back to the 12 months before you enrolled in the Healthy Michigan Plan.

Q1. In the 12 months BEFORE enrolling in the Healthy Michigan Plan, was there a place that you usually would go for a checkup, when you felt sick, or when you wanted advice about your health?

Yes / No / Don't know / NA-didn't need care

If Q1=YES: **Q1a.** What kind of a place was it? a clinic, doctor's office, urgent care or walk-in clinic, emergency room, or other place

Q2. In the 12 months BEFORE enrolling in the Healthy Michigan Plan, was there any time when you didn't get the health care you needed? Yes/No

If Q2=YES: **Q2a.** What type of care?

- Primary Care
- Vision Care
- Specialist Care
- Support Services (PT, OT, ST, DME, Lab)

- Prescription Medications
- Mental Health Care
- All
- Other [text box]

****Interviewer Note:** If respondent says “dental care,” prompt them with “We’ll get to dental care shortly. Was there any other time you didn’t get the **health care** you needed?”**

If Q2=YES: **Q2b.** Why didn’t you get the care you needed? [open-ended; mark all mentioned]

- no insurance / cost
- services needed weren’t covered under insurance plan / cost
- Couldn’t find provider that took your insurance
- Problems getting appointment
- Transportation/logistics
- Didn’t get around to it
- Other [TEXT BOX]

Q3. In the 12 months BEFORE enrolling in the Healthy Michigan Plan, was there any time when you didn’t get the dental care you needed? Yes/No

If Q3=YES: **Q3a.** Why didn’t you get the care you needed? [open-ended; mark all mentioned]

- No dental insurance
- 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
- Didn’t get around to it
- Other [TEXT BOX]

Q4. During the 12 months BEFORE you were enrolled in the Healthy Michigan Plan, about how much did you spend out-of-pocket for your own medical and dental care?

Record \$_____ or Don’t Know

If Q4=DON’T KNOW: **Q4a.** 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

Q5. In the 12 months BEFORE enrolling in the Healthy Michigan Plan, did you have problems paying medical bills? Y/N

If Q5=YES: Because of these problems paying medical bills, have you or your family...

Q5a. Been contacted by a collections agency? Yes/No

Q5b. Thought about filing for bankruptcy? Yes/No

If Q5b=YES: **Q5c.** Did you file for bankruptcy? Yes/ No

Q6. During the 12 months BEFORE you enrolled in the Healthy Michigan Plan, did you have any type of health insurance at any time? Yes (answer Q7-8) / No (answer Q9-10)

If Q6=YES:

Q7. What type of health insurance did you have? Was it insurance through a job or union, insurance purchased by you or someone else, or another type of insurance? [can have >1 type]

- Insurance provided through a job or union
If YES: **Q7a** Whose job is it? (respondent/family member)
- Insurance purchased by you or someone else
If YES: **Q7b** Who purchased it? (respondent/family member)
Q7c Was this insurance purchased through the marketplace known as healthcare.gov? Y/N/DK
Q7c1 If YES: 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 / MiChild / other state program
- Other [TEXT BOX]

Q8. Was there any time in the 12 months BEFORE you enrolled in the Healthy Michigan Plan that you didn't have any health insurance? Yes / No— skip to Q11

If YES: **Q8a** How long were you uninsured? [record response; offer categories if needed]

- One month or less
- Two or three months
- Four months to six months
- All 12 months
- Other [TEXT BOX] *record explanation*
- Don't know

Q8b What were the main reasons you were without health insurance for that time?
[open-ended, code all reasons mentioned]

- Was waiting to get insurance through a job
- Job didn't offer health insurance / offered but too expensive
- No job during that time
- Too expensive to buy own policy
- Tried to enroll in private insurance/Marketplace, redirected to Medicaid
- Took time for HMP application to be completed/accepted
- No medical problems/didn't need insurance
- Had problems with applying
- Just didn't get around to getting insurance
- Other [TEXT BOX]
- Don't know

If Q6=NO:

Q9a For how long did you have no health insurance? Would you say:

- One month or less
- 2-3 months
- 4-6 months
- 7-12 months
- Longer than 12 months
- Other [TEXT BOX]
- Don't know

Q9b What were the main reasons you were without health insurance for that time? [open/mark all]

- Was waiting to get insurance through a job
- Job didn't offer health insurance / offered but too expensive
- No job during that time
- Too expensive to buy own policy
- Tried to enroll in private insurance/Marketplace, redirected to Medicaid
- Took time for HMP application to be completed/accepted
- No medical problems/didn't need insurance
- Had problems with applying
- Just didn't get around to getting insurance
- Other [TEXT BOX]
- Don't know

If **Q6=NO** or **Q9a=** two months or more:

Q10. While you were without health insurance, was there a time when you knew about the Healthy Michigan Plan but did not apply? Yes / No

If YES: **Q10a:** Why did you not apply? [open ended; code all mentioned]

- Didn't want to be on a government program
- Didn't think I was eligible
- Didn't need medical care
- Paperwork/application process is too burdensome
- My doctors don't take Medicaid
- Didn't like a certain feature of HMP (cost, behavior change)
- Just didn't get around to doing it
- Other [TEXT BOX]

[All respondents]

Q11. What prompted you to apply for the Healthy Michigan Plan? [open-ended, code all reasons mentioned]

- Tried to buy individual plan / redirected from healthcare.gov application
- Lost my other health insurance
- Had a medical condition that needed care
- Suggested/signed up at ER/hospital/other health care facility
- Suggested/signed up by caseworker/social service agency
- Other [TEXT BOX]

Q12. Did you have any problems with the Healthy Michigan Plan application and enrollment process? Yes/No

If YES: **Q12a** And what happened?

- Told I wasn't eligible
- Told my application was incomplete
- Hard to reach caseworker
- Difficulty completing applicant/enrollment materials
- Respondent didn't complete all steps
- Other [TEXT BOX if yes]

Q13. When you were choosing your health plan and primary care provider, were you trying to keep your existing doctor or clinic? Yes/No

If YES: **Q13a** And were you able to keep your same doctor or clinic? Yes/No

If NO: **Q13b** Why not?

- Couldn't find a plan with that includes my doctor/clinic
- My doctor/clinic does not take Medicaid
- N/A - Hadn't picked a doctor yet
- Other [TEXT BOX]

People who enroll in the Healthy Michigan Plan should receive a Health Risk Assessment. *The HRA form has three parts: first, a set of questions about your eating, exercise and smoking habits; second, a section about choosing a healthy behavior to work on; and third, a section your provider's office should complete.*

Q14. How did you complete the first section of the HRA, which is answering the questions about your eating, exercise, and smoking behaviors? Did you answer those questions: [read options]

- On phone at enrollment
- With doctor or someone in the doctor's office/clinic
- By filling it out yourself
- Don't remember
- Have not completed it --- SKIP to Q17

Q15. Did you discuss the HRA with your doctor or someone at your primary care provider's office?

- Yes
- No
- Haven't had an appointment yet
- Don't remember

If YES: **15a** What healthy behavior did you choose to work on? [open-ended, code all mentioned]

Exercise/activity	Take medicine regularly
Nutrition/diet	Monitor my blood pressure/blood sugar
Lose weight	Go to the dentist
Reduce/quit tobacco use	Follow-up appointment for chronic disease
Flu shot	Other [TEXT BOX]
Reduce/quit alcohol use	None
Treatment for substance use	Don't remember

Q15b 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 [TEXT BOX]:

If Q15=HRA completed, ask Q16a-c

Q16a Did completing the Health Risk Assessment teach you something you didn't know about your health? Would you say: Definitely yes; somewhat yes; no

Q16b Did completing the Health Risk Assessment help your primary care provider better understand your health needs? Would you say: Definitely yes; somewhat yes; no

Q16c Did completing the Health Risk Assessment motivate you to be more responsible for your health? Would you say: Definitely yes; somewhat yes; no

These next questions are about your knowledge of payment information through the Healthy Michigan Plan.

Q17. How did you receive information about how much you will need to pay to be in the Healthy Michigan Plan?

[open ended; code all mentioned]

- On phone at enrollment
- Letter/enrollment packet from state/health plan
- Caseworker/other person helping enroll
- Other [TEXT BOX]
- None – did not get any cost info

Q18. Do you know about any ways to reduce the amount you might have to pay? [open; code all; ask “anything else?”]

- Use generic drugs
- Complete the HRA
- Don't go to the ER
- Use preventive care / do the healthy behavior
- Other [TEXT BOX]
- None mentioned

Q19. For the following statements, 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”.

- a. I could be dropped from the Healthy Michigan Plan for not paying my bill. Y/N/DK
- b. I may get a reduction in the amount I might have to pay if I complete a health risk assessment. Y/N/DK
- c. Some kinds of visits, tests and medicines have no copays. Y/N/DK

Q20. How much do you agree with the following statement: Getting discounts on copays and premiums as a reward for working on improving your health is a good idea. Would you say you: Strongly agree, agree, are neutral, disagree, or strongly disagree?

Q21. 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?

- a. Eyeglasses covered/not covered/don't know
- b. Prescription medications
- c. Routine dental care
- d. Treatment to stop smoking
- e. Birth control or family planning
- f. Counseling for mental or emotional problems
- g. Substance use treatment

Q22. In the time you've been enrolled in the Healthy Michigan Plan, have you had any questions or difficulties using your Healthy Michigan Plan insurance to get care? Yes/ No/NA- haven't tried to get care

If YES: **Q22a** What kind of questions or difficulties did you have? [open; code all]

- Difficulty/inability finding a provider
- Needed a service that wasn't covered
- Difficulty finding out information
- Problem with Medicaid/HMP ID card
- Other [TEXT BOX]

Next we have a few questions about you.

Q23. In general, would you say your health is: Excellent; Very Good; Good; Fair; OR Poor

Q24. Has a doctor or other health professional ever told you that you had any of the following?

- a) Hypertension, also called high blood pressure? Yes/No
- b) A heart condition or heart disease? Yes/No
- c) Diabetes or sugar diabetes (other than during pregnancy)? Yes/No
- d) Cancer, other than skin cancer? Yes/No
- e) A mood disorder, (For example, depression, anxiety, bipolar disorder)? Yes/No
- f) A stroke? Yes/No
- g) Asthma? Yes/No
- h) Chronic lung disease, such as chronic bronchitis, COPD or emphysema? Yes/No

- i) A substance use disorder? Yes/No
- j) Arthritis or a related condition (for example, rheumatoid arthritis, gout, lupus, or fibromyalgia)? Yes/No
- k) Any other ongoing health condition? Yes/No
Q24k1 If YES: What is the condition? [TEXT BOX]

Q25. Are you currently in school? Yes/No

If YES: **Q25a** Are you a full-time or part-time student? Full-time/Part-time

Q26. Are you currently employed or self employed? Yes/No

If Q26=YES: **Q26a** Are you working full time or part time? Full-time/Part-time

If Q26=NO: **Q26b** Are you out of work, unable to work, retired, or not looking for work at this time?

- 1 Out of work
- 2 Unable to work
- 3 Retired
- 4 Not looking for work at this time

Q26c How long have you been [Autofill: Out of work/unable to work/retired]?
 Less than one year / One year or more

[if unable] **Q26d** Why are you unable to work?
 Disabled / Poor health / Old age / Caregiving responsibilities / Other [TEXT BOX]

Q27. What is the highest grade of school you have completed, or the highest degree you have received? [open-ended / mark correct category]

- 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.)

Q28. How often do you need to have someone help you read instructions, pamphlets, or other written material from a doctor, pharmacy or health plan? Never/Rarely/Sometimes/Often/Always

Q29. What race or races do you consider yourself to be? [open question, check all that they mention]

- White
- Black or African American
- American Indian or Alaska Native
- Asian: Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, Other Asian
- Pacific Islander: Native Hawaiian, Guamanian or Chamorro, Samoan, Other Pacific Islander
- Other

Q29a Are you Hispanic or Latino? Yes/No

Q29b Are you of Arab or Chaldean or Middle Eastern descent? Yes/No

Q30. Are you:

- Married
- Divorced
- Widowed
- Separated
- Partnered

Never Married

Q31a. 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

Q31b. Have you been homeless at any time in the last 12 months? Yes/no

Q32. Are you a veteran of the US military armed forces? Yes/No

Q33. Has anyone else in your household been enrolled in the Healthy Michigan Plan? Yes/No/Don't know

Q34. Would you like to add anything else about your experiences with the Healthy Michigan Plan?
[TEXT BOX]

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? Use current number on file/Better number:

FOLLOWUPTEXT Can this number get text messages? Yes/No

FOLLOWUPEMAIL Is there an email address we can use to contact you?

- 1 Yes (record email and read it back)
- 2 No

INT99 Thanks so much for talking with me today! Look for your gift card in 1-3 weeks.