

# **ANNUAL SYNAR REPORT**

**42 U.S.C. 300x-26**

OMB № 0930-0222

**FFY 2021**

**State: Michigan**

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## INTRODUCTION

The Annual Synar Report (ASR) format provides the means for states to comply with the reporting provisions of the Public Health Service Act (42 U.S.C. 300x-26) and the Tobacco Regulation for the Substance Abuse Prevention and Treatment Block Grant (SABG) (45 C.F.R. 96.130 (e)).

### **How the Synar report helps the Center for Substance Abuse Prevention**

In accordance with the tobacco regulations, states are required to provide detailed information on progress made in enforcing youth tobacco access laws (FFY 2020 Compliance Progress) and future plans to ensure compliance with the Synar requirements to reduce youth tobacco access rates (FFY 2021 Intended Use Plan). These data are required by 42 U.S.C. 300x-26 and will be used by the Secretary to evaluate state compliance with the statute. Part of the mission of the Center for Substance Abuse Prevention (CSAP) is to assist states<sup>1</sup> by supporting Synar activities and providing technical assistance helpful in determining the type of enforcement measures and control strategies that are most effective. This information is helpful to CSAP in improving technical assistance resources and expertise on enforcement efforts and tobacco control program support activities, including state Synar program support services, through an enhanced technical assistance program involving conferences and workshops, development of training materials and guidance documents, and onsite technical assistance consultation.

### **How the Synar report can help states**

The information gathered for the Synar report can help states describe and analyze substate needs for program enhancements. These data can also be used to report to the state legislature and other state and local organizations on progress made to date in enforcing youth tobacco access laws when aggregated statistical data from state Synar reports can demonstrate to the Secretary the national progress in reducing youth tobacco access problems. This information will also provide Congress with a better understanding of state progress in implementing Synar, including state difficulties and successes in enforcing retailer compliance with youth tobacco access laws.

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<sup>1</sup>The term “state” is used to refer to all the states and territories required to comply with Synar as part of the Substance Abuse Prevention and Treatment Block Grant Program requirements (42 U.S.C. 300x-64 and 45 C.F.R. 96.121).

## Getting assistance in completing the Synar report

If you have questions about programmatic issues, you may call CSAP's Division of State Programs at (240) 276-2550 and ask for your respective State Project Officer, or contact your State Project Officer directly by telephone or email. If you have questions about fiscal or grants management issues, you may call the Grants Management Officer, Office of Financial Resources, Division of Grants Management, at (240) 276-1422.

## Where and when to submit the Synar report

The ASR must be received by SAMHSA no later than December 31, 2020 and must be submitted in the format specified by these instructions. Use of the approved format will avoid delays in the review and approval process. The chief executive officer (or an authorized designee) of the applicant organization must sign page one of the ASR certifying that the state has complied with all reporting requirements.


The state must upload one copy of the ASR using the online WebBGAS (Block Grant Application System). In addition, the following items must be uploaded to WebBGAS:

- FFY 2021 Synar Survey Results: States that use the Synar Survey Estimation System (SSES) must upload one copy of *SSES Tables 1–8* (in Excel) to WebBGAS. **Please note that, beginning with the FFY 2021 ASR, SSES will generate Tables 6, 7, and 8, which are based on the optional microdata on product type, retail outlet type, and whether identification was requested. If your state does not submit these optional data, Tables 6, 7, and 8 will be blank. Tables 6, 7, and 8 are generated for the convenience of the state, and states are not required to submit completed versions of Tables 6, 7, or 8.** States that do not use SSES must upload one copy of ASR Forms 1, 4, and 5, and Forms 2 and 3, if applicable, (in Excel), as well as a database with the raw inspection data to WebBGAS.
- Synar Inspection Form: States must upload one blank copy of the inspection form used to record the result of each Synar inspection.
- Synar Inspection Protocol: States must upload a copy of the protocol used to train inspection teams on conducting and reporting the results of the Synar inspections. This document should be different than the Appendix C attached to the Annual Synar Report.
- A scanned copy of the signed Funding Agreements/Certifications

Each state SSA Director has been emailed a login ID and password to log onto the Synar section of the WebBGAS site.

## FFY 2021: FUNDING AGREEMENTS/CERTIFICATIONS

The following form must be signed by the Chief Executive Officer or an authorized designee and submitted with this application. Documentation authorizing a designee must be attached to the application.

<b>PUBLIC HEALTH SERVICES ACT AND SYNAR AMENDMENT</b>		
42 U.S.C. 300x-26 requires each state to submit an annual report of its progress in meeting the requirements of the Synar Amendment and its implementing regulation (45 C.F.R. 96.130) to the Secretary of the Department of Health and Human Services. By signing below, the chief executive officer (or an authorized designee) of the applicant organization certifies that the state has complied with these reporting requirements and the certifications as set forth below.		
<b>SYNAR SURVEY SAMPLING METHODOLOGY</b>		
The state certifies that the Synar survey sampling methodology on file with the Center for Substance Abuse Prevention and submitted with the Annual Synar Report for FFY 2021 is up-to-date and approved by the Center for Substance Abuse Prevention.		
<b>SYNAR SURVEY INSPECTION PROTOCOL</b>		
The state certifies that the Synar Survey Inspection Protocol on file with the Center for Substance Abuse Prevention and submitted with the Annual Synar Report for FFY 2021 is up-to-date and approved by the Center for Substance Abuse Prevention.		
<b>State: Michigan</b>		
<b>Name of Chief Executive Officer or Designee:</b>	Jeffrey Wierich	
<b>Signature of CEO or Designee:</b>		
<b>Title:</b> Director	State Bureau Administrator	<b>Date Signed:</b> 11/23/2020
<b>If signed by a designee, a copy of the designation must be attached.</b>		

**SECTION I: FFY 2020 (Compliance Progress)**

**YOUTH ACCESS LAWS, ACTIVITIES, AND ENFORCEMENT**

42 U.S.C. 300x-26 requires the states to report information regarding the sale/distribution of tobacco products to individuals under age 18.

**1. Please indicate any changes or additions to the state tobacco statute(s) relating to youth access since the last reporting year. If any changes were made to the state law(s) since the last reporting year, please upload a copy of the state law to WebBGAS. (see 42 U.S.C. 300x-26).**

**a. Has there been a change in the minimum sale age for tobacco products?**

Yes  No

*If Yes, current minimum age:*  19  20  21

**b. Have there been any changes in state law that impact the state's protocol for conducting Synar inspections?**

Yes  No

*If Yes, indicate change. (Check all that apply.)*

Changed to require that law enforcement conduct inspections of tobacco outlets

Changed to make it illegal for youth to possess, purchase or receive tobacco

Changed to require ID to purchase tobacco

Changed definition of tobacco products

Other change(s) *(Please describe.)* Added vapor product and alternate nicotine product to Michigan Youth Tobacco Act

**c. Have there been any changes in state law that impact the following?**

Licensing of tobacco vendors  Yes  No

Penalties for sales to minors  Yes  No

Vending machines  Yes  No

Added product categories to youth access law  Yes  No

**2. Describe how the Annual Synar Report (see 45 C.F.R. 96.130(e)) was made public within the state prior to submission of the ASR. (Check all that apply.)**

Placed on file for public review

Posted on a state agency Web site *(Please provide exact Web address and the date when the FFY 2021 ASR was posted to this Web address.)*

*Web address:* www.michigan.gov/bhrecovery

*Date Published:* November 20, 2020

Notice published in a newspaper or newsletter

Public hearing

- Announced in a news release, a press conference, or discussed in a media interview
  - Distributed for review as part of the SABG application process
  - Distributed through the public library system
  - Published in an annual register
  - Other (Please describe.) Distributed for review through Michigan's ten regional behavioral health entities (PIHPs)
- 

**3. Identify the following agency or agencies (see 42 U.S.C. 300x-26 and 45 C.F.R. 96.130).**

**a. The state agency(ies) designated by the Governor for oversight of the Synar requirements:**

Michigan Department of Health and Human Services (MDHHS) / Office of Recovery Oriented Systems of Care (OROSC)

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Has this changed since last year's Annual Synar Report?

- Yes  No

**b. The state agency(ies) responsible for conducting random, unannounced Synar inspections:**

Michigan Department of Health and Human Services / Office of Recovery Oriented Systems of Care

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Has this changed since last year's Annual Synar Report?

- Yes  No

**c. The state agency(ies) responsible for enforcing youth tobacco access law(s):**

Michigan State Police and local law enforcement agencies

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Has this changed since last year's Annual Synar Report?

- Yes  No

**4. Identify the following agencies and describe their relationship with the agency responsible for the oversight of the Synar requirements.**

**a. Identify the state agency responsible for tobacco prevention activities (the agency that receives the Centers for Disease Control and Prevention's National Tobacco Control Program funding).**

MDHHS Tobacco Section

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**b. Has the responsible agency changed since last year's Annual Synar Report?**

- Yes  No

**c. Describe the coordination and collaboration that occur between the agency responsible for tobacco prevention and the agency responsible for oversight of the Synar requirements. (Check all that apply.) The two agencies**

- Are the same
- Have a formal written memorandum of agreement
- Have an informal partnership
- Conduct joint planning activities
- Combine resources
- Have other collaborative arrangement(s) *(Please describe.)* 1) MDHHS Tobacco Section has representation on the OROSC Youth Access to Tobacco Workgroup (YATTW). 2) Responsible for coordinating implementation goals of the Tobacco Strategic Plan developed by OROSC and YATTW in order to help raise awareness and change behaviors related to ultimately reducing youth access to tobacco and residual health problems and addiction. 3) Jointly participated in the National Council for Behavioral Health's 2020 State Tobacco Control Community of Practice.

No relationship

**d. Does a state agency contract with the Food and Drug Administration's Center for Tobacco Products (FDA/CTP) to enforce the youth access and advertising restrictions in the Family Smoking Prevention and Tobacco Control Act?**

Yes  No (if no, go to Question 5)

**e. If yes, identify the state agency responsible for enforcing the youth access and advertising restrictions in the Family Smoking Prevention and Tobacco Control Act (the agency that is under contract to the Food and Drug Administration's Center for Tobacco Products (FDA/CTP)).**

Michigan Department of Health and Human Services / Office of Recovery Oriented Systems of Care

**f. Has the responsible agency changed since last year's Annual Synar Report?**

Yes  No

**g. Describe the coordination and collaboration that occur between the agency contracted with the FDA to enforce federal youth tobacco access laws and the agency responsible for oversight of the Synar requirements. (Check all that apply.) The two agencies:**

- Are the same
- Have a formal written memorandum of agreement
- Have an informal partnership
- Conduct joint planning activities
- Combine resources
- Have other collaborative arrangement(s) *(Please describe.)* \_\_\_\_\_
- No relationship



**h. Does the state use data from the FDA enforcement inspections for Synar survey reporting?**

Yes  No

**5. Please answer the following questions regarding the state's activities to enforce the state's youth access to tobacco law(s) in FFY 2020 (see 42 U.S.C. 300x-26 and 45 C.F.R. 96.130(e)).**

**a. Which one of the following describes the enforcement of state youth access to tobacco laws carried out in your state? (Check one category only.)**

Enforcement is conducted exclusively by local law enforcement agencies.

Enforcement is conducted exclusively by state agency(ies).

Enforcement is conducted by both local *and* state agencies.

- b. The following items concern penalties imposed for all violations of state youth access to tobacco laws by **LOCAL AND/OR STATE LAW ENFORCEMENT AGENCIES (this does not include enforcement of local laws or federal youth tobacco access laws)**. Please fill in the number requested. If state law does not allow for an item, please mark “NA” (not applicable). If a response for an item is unknown, please mark “UNK.” The chart must be filled in completely.

PENALTY	OWNERS	CLERKS	TOTAL
Number of <u>citations issued</u>	N/A	41	UNK
Number of <u>fin es assessed</u>	N/A	4	UNK
Number of <u>permits/licenses suspended</u>	N/A		N/A
Number of <u>permits/licenses revoked</u>	N/A		N/A
Other (Please describe.) <i>The YTA fines are only levied against the clerk not the owner. Not all law enforcement agencies report their citations and fines to PIHPs so complete count is unknown.</i>	N/A	UNK	UNK

- c. Are citations or warnings issued to retailers or clerks who sell tobacco to minors for inspections that are part of the Synar survey?

Yes  No

If “Yes” to 5c, please describe the state’s procedure for minimizing risk of bias to the survey results from retailers alerting each other to the presence of the survey teams:

- d. Which one of the following best describes the level of enforcement of state youth access to tobacco laws carried out in your state? (Check one category only.)

- Enforcement is conducted only at those outlets randomly selected for the Synar survey.
- Enforcement is conducted only at a subset of outlets not randomly selected for the Synar survey.
- Enforcement is conducted at a combination of outlets randomly selected for the Synar survey and outlets not randomly selected for the Synar survey.

- e. Did every tobacco outlet in the state receive at least one compliance check that included enforcement of the state youth tobacco access law(s) in the last year?

Yes  No

- f. What additional activities are conducted in your state to support enforcement and compliance with state youth tobacco access law(s)? (Check all that apply and briefly describe each activity in the text boxes below each activity.)

Merchant education and/or training

OROSC created educational material addressing the differences in federal Tobacco 21 law and Michigan's Youth Tobacco Act (YTA) as well as information regarding vapor and alternative nicotine products being added to the YTA. Additionally, birthdate signs were updated to correspond with Tobacco 21. These materials were sent to all 10 Prepaid Inpatient Health Plans (PIHPs) Designated Youth Tobacco Use Representative (DYTUR) organizations to be used as part of each region's tobacco retailer vendor education activities. Due to COVID-19, there was an overall increase in providing tobacco vendor education sessions to replace the limited ability to conduct non-Synar tobacco compliance checks. Tobacco retailer vendor education consisted of telephonic sessions, mailing educational material to retailers, and in-person visits when safe and appropriate. Several regions implemented vendor education with 100% of retailers on its Master Retailer List with coalition members aiding prevention providers to expand the reach.

Michigan continues to offer an online Merchant Education Training which includes several self-paced educational modules with a post-test and a state issued certificate of completion for anyone who receives a score of 80% or higher. The Merchant Education Training is Americans with Disabilities Act (ADA) compliant and is separated into four, fifteen-minute modules to make it easier to review and understand.

OROSC has developed a resource that combines tobacco education materials. This resource is linked to an existing statewide campaign called "Do Your Part". The "Do Your Part" series is located on the Michigan Department of Health and Human Service's website. The tobacco segment targets the public, educators, students, law enforcement and merchants. This site provides comprehensive educational materials including prevention, treatment and health information relating to the prevention of youth access to tobacco.

- Incentives for merchants who are in compliance (e.g., nonenforcement compliance checks in which compliant retailers are given positive reinforcement and noncompliant retailers are warned about youth access laws)

Some regional DYTUR's send congratulatory letters and/or certificates of compliance thanking retailers for being responsible members of the community as follow-up to successful results during compliance check activity. For retailers that are a part of a larger corporation (retail chain), their corporate headquarters is notified of results from checks that were conducted. Retailers are encouraged to display certificates, letters, etc. as a reminder and awareness of compliance with the YTA.

One region published "thank you" articles in local community papers, newsletters, and social media outlets to merchants who passed a law enforcement compliance check inspection. In a few communities, coalitions recognize retailers with an "Exemplary Retailer of the Year Award" for not selling alcohol and/or tobacco for at least 3 years.

- Community education regarding youth access laws

DYTURs promoted YTA education with local coalitions, community partners, focus groups, law enforcement and human services. Botvin's LifeSkills Training was provided in classrooms or virtually, addressing youth tobacco education. Synar

results were discussed at community and coalition meetings and community “lunch and learns” YTA information shared at local TAM/TIPS trainings. Prior to COVID-19, presentations were held at different schools to share new laws regarding electronic cigarettes and Tobacco 21. Educational presentations and town hall meetings were held to raise awareness of youth vaping.

Due to COVID-19 and the restrictions around in-person events/meetings, several communities used its social media presence to help educate the community regarding youth access laws. Several PSAs were created and marketed around the dangers of vaping and the importance of communicating openly with your child about stress and other triggers that may lead to substance use. Also, there was promotion of an anti-smoking and vaping social media campaign that encouraged youth to follow the YTA.

Media use to publicize compliance inspection results

Although many regions do not release the names of businesses who are willing to sell to minors in the annual Synar Inspection, announcements are made of the retailers who are unwilling to sell to minors in the survey. In one region, each quarter DYTURs write a press release commending local retailers for not selling tobacco to minors. Other regions utilize social media postings and press releases to recognize compliant merchants.

Community mobilization to increase support for retailer compliance with youth access laws

Through media releases, regions ask community partners to thank local establishments for not selling to minors and remind retailers who did its unacceptable to sell to minors. YTA information is shared during beverage server trainings to encourage retail staff to comply with youth access laws. Community partners talked to parents and youth in its programs about tobacco vendor education/compliance check program and asked for support in talking to local neighborhood stores about keeping tobacco out of the hands of youth. Providers actively encouraged youth in substance abuse programs to get involved in helping the Federal Drug Administration (FDA) and local police departments in conducting compliance checks. In addition to participating in training for vendor education and publishing articles in newsletters, coalitions and the public were encouraged to report a retailer who sells tobacco products to minors to the DYTUR. The DYTUR followed-up by reporting this information to the FDA for a complaint and flagged the outlet for vendor education.

Other activities (*Please list.*) Letters

In northern Michigan, letters of support received from 20 out of 21 prosecuting attorneys and 23 law enforcement agencies.

In parts of western Michigan, letters were sent to corporate offices with a summary of retailers’ history with tobacco checks. The history identified specific locations of establishments and the results of tobacco compliance checks. The letter also

encouraged consistent training of employees and to contact DYTURs for any needed assistance.

In an eastern Michigan county, the PIHP continued its practice of collaboration with the county sheriff in mailing an educational letter to all tobacco retailers in the county. The letter served as a reminder of the importance of protecting children in communities from lifelong nicotine addiction. It included financial penalties for violation of the state's Youth Tobacco Act and Tobacco Control Act. This year, the PIHP also included a link to the Food and Drug Administration (FDA) Center for Tobacco Products for retailer education and emphasized it is also illegal to sell electronic nicotine devices (ENDS) to youth under 18 years of age.

## SYNAR SURVEY METHODS AND RESULTS

The following questions pertain to the survey methodology and results of the Synar survey used by the state to meet the requirements of the Synar Regulation in FFY 2020 (see 42 U.S.C. 300x-26 and 45 C.F.R. 96.130).

**6. Has the sampling methodology changed from the previous year?**

Yes  No

*The state is required to have an approved up-to-date description of the Synar sampling methodology on file with CSAP. Please submit a copy of your Synar Survey Sampling Methodology (Appendix B). If the sampling methodology changed from the previous reporting year, these changes must be reflected in the methodology submitted.*

**a. If yes, describe how and when this change was communicated to SAMHSA**

**7. Please answer the following questions regarding the state’s annual random, unannounced inspections of tobacco outlets (see 45 C.F.R. 96.130(d)(2)).**

**a. Did the state use the optional Synar Survey Estimation System (SSES) to analyze the Synar survey data?**

Yes  No

*If Yes, upload a copy of SSES tables 1–8 (in Excel) to WebBGAS. Then go to Question 8. If No, continue to Question 7b.*

**b. Report the weighted and unweighted Retailer Violation Rate (RVR) estimates, the standard error, accuracy rate (number of eligible outlets divided by the total number of sampled outlets), and completion rate (number of eligible outlets inspected divided by the total number of eligible outlets).**

**Unweighted RVR** \_\_\_\_\_

**Weighted RVR** \_\_\_\_\_

**Standard error (s.e.) of the (weighted) RVR** \_\_\_\_\_

**Fill in the blanks to calculate the right limit of the right-sided 95% confidence interval.**

$$\text{RVR Estimate} + (1.645 \times \text{Standard Error}) = \text{Right Limit}$$

plus (1.645 times Standard Error) equals Right Limit

**Accuracy rate** \_\_\_\_\_

**Completion rate** \_\_\_\_\_

c. **Fill out Form 1 in Appendix A (Forms 1–5).** (Required regardless of the sample design.)

d. **How were the (weighted) RVR estimate and its standard error obtained?**  
(Check the one that applies.)

- Form 2 (Optional) in Appendix A (Forms 1–5) (Attach completed Form 2.)  
 Other (Please specify. Provide formulas and calculations or attach and explain the program code and output with description of all variable names.)

e. **If stratification was used, did any strata in the sample contain only one outlet or cluster this year?**

- Yes  No  No stratification

If Yes, explain how this situation was dealt with in variance estimation.

f. **Was a cluster sample design used?**

- Yes  No

If Yes, fill out and attach Form 3 in Appendix A (Forms 1–5), and answer the following question.

If No, go to Question 7g.

**Were any certainty primary sampling units selected this year?**

- Yes  No

If Yes, explain how the certainty clusters were dealt with in variance estimation.

g. **Report the following outlet sample sizes for the Synar survey.**

	Sample Size
<b>Effective sample size</b> (sample size needed to meet the SAMHSA precision requirement assuming simple random sampling)	
<b>Target sample size</b> (the product of the effective sample size and the design effect)	
<b>Original sample size</b> (inflated sample size of the target sample to counter the sample attrition due to ineligibility and noncompletion)	
<b>Eligible sample size</b> (number of outlets found to be eligible in the sample)	
<b>Final sample size</b> (number of eligible outlets in the sample for which an inspection was completed)	

h. **Fill out Form 4 in Appendix A (Forms 1–5).**

**8. Did the state's Synar survey use a list frame?**

Yes  No

*If Yes, answer the following questions about its coverage.*

**a. The calendar year of the latest Sampling frame coverage study: 2019**

**b. Percent coverage from the latest Sampling frame coverage study: 82.5**

**c. Was a new study conducted in this reporting period?**

Yes  No

*If Yes, please complete Appendix D (List Sampling Frame Coverage Study) and submit it with the Annual Synar Report.*

**d. The calendar year of the next coverage study planned: 2022**

**9. Has the Synar survey inspection protocol changed from the previous year?**

Yes  No

*The state is required to have an approved up-to-date description of the Synar inspection protocol on file with CSAP. Please submit a copy of your Synar Survey Inspection Protocol (Appendix C). If the inspection protocol changed from the previous year, these changes must be reflected in the protocol submitted.*

**a. If Yes, describe how and when this change was communicated to SAMHSA**

On August 5, 2019, Michigan's Synar Coordinator sent email communication to the federal project officer requesting approval for revisions made to Michigan's Overview of Synar Compliance Check Procedure and YTA Protocol Compliance Check Reporting Form and Instructions. On August 23, 2019, Michigan received an email notification approving the new protocol. On August 29, 2019, Michigan sent email communication to the federal project officer detailing the primary change in the protocol.

**b. Provide the inspection period: From 07/20/20 to 10/16/20**  
MM/DD/YY MM/DD/YY

**c. Provide the number of youth inspectors used in the current inspection year:**

68

NOTE: If the state uses SSES, please ensure that the number reported in 9b matches that reported in SSES Table 4, or explain any difference.

**d. Fill out and attach Form 5 in Appendix A (Forms 1–5). (Not required if the state used SSES to analyze the Synar survey data.)**



**SECTION II: FFY 2021 (Intended Use):**

Public Law 42 U.S.C. 300x-26 of the Public Health Service Act and 45 C.F.R. 96.130 (e) (4, 5) require that the states provide information on future plans to ensure compliance with the Synar requirements to reduce youth tobacco access.

**1. In the upcoming year, does the state anticipate any changes in:**

- Synar sampling methodology  Yes  No  
Synar inspection protocol  Yes  No

*If changes are made in either the Synar sampling methodology or the Synar inspection protocol, the state is required to obtain approval from CSAP prior to implementation of the change and file an updated Synar Survey Sampling Methodology (Appendix B) or an updated Synar Survey Inspection Protocol (Appendix C), as appropriate.*

**2. Please describe the state’s plans to maintain and/or reduce the target rate for Synar inspections to be completed in FFY 2021. Include a brief description of plans for law enforcement efforts to enforce youth tobacco access laws, activities that support law enforcement efforts to enforce youth tobacco access laws, and any anticipated changes in youth tobacco access legislation or regulation in the state.**

OROSC will continue to work with the state level Youth Access to Tobacco Workgroup (YATTW) to update its Tobacco Strategic Plan to include: information about vapor products and alternative nicotine products, action plan to address issues for minorities and underserved populations; attract merchants, managers and cashiers to an online training site to measure the impact on Retailer Violation Rate (RVR); align with PIHP annual tobacco planning and vendor education scheduling; work with MDHHS Communication division to help set concrete content and outreach goals for participation in the “Do Your Part” campaign; review and maintain an action plan for responding to emerging legislative objectives/goals; expand distribution efforts of YTA signage through our various community partners as well as state retailer associations. In addition, electronic nicotine delivery systems (ENDS) and Tobacco 21 material will be developed and/or distributed for use by DYTURs and tobacco retailers. PIHPs and DYTURs will partner with state and local law enforcement as appropriate on efforts to enforce youth tobacco access laws.

**3. Describe any challenges the state faces in complying with the Synar regulation. (Check all that apply and describe each challenge in the text box below it.)**

- Limited resources for law enforcement of youth access laws

- Limited resources for activities to support enforcement and compliance with youth tobacco access laws

- Limitations in the state youth tobacco access laws

The current Youth Tobacco Act (YTA) only penalizes the cashier, but not the owner. As a state entity, MDHHS has lobbying restrictions for advocating legislative change, however, to engage retailers OROSC has a strategic plan to raise the awareness of owners and clerks by utilizing our various partners to make educational site visits; working with the business community to advocate the free online certificated training that can be used as an affirmative defense should a violation occur. In addition, Michigan's YTA

- Limited public support for enforcement of youth tobacco access laws

- Limitations on completeness/accuracy of list of tobacco outlets

A coverage study was completed in 2019 with a Master Retailer List accuracy rate of 82.5%. The next coverage study will be conducted in 2022. Michigan will continue to look for best practices and implement strategies to ensure completeness/accuracy of our list of tobacco outlets.

- Limited expertise in survey methodology

- Laws/regulations limiting the use of minors in tobacco inspections

- Difficulties recruiting youth inspectors

COVID-19 created challenges for recruiting youth inspectors as some parents were reluctant to give permission for youth to participate in compliance check activities.

- Issues regarding the balance of inspections conducted by youth inspectors age 15 and under

Michigan only uses youth who are 16-17 years old. However, this year two 15 years old youth were used due to recruiting youth issues.

- Issues regarding the balance of inspections conducted by one gender of youth inspectors

- Geographic, demographic, and logistical considerations in conducting inspections

- Cultural factors (e.g., language barriers, young people purchasing for their elders)

Through the efforts of the YATTW, the State will continue to review and modify our action plan to address issues for minorities and underserved populations by

utilizing epidemiological data to identify specific issues and/or populations; identify evidence-based activities to impact the issues selected; maintain a work plan and measurable benchmarks that show progress in service to underserved people and reduced violations in specific communities.

Issues regarding sources of tobacco under tribal jurisdiction

Inspections are not conducted in areas under tribal jurisdiction.

Other challenges (*Please list.*) \_\_\_\_\_

## APPENDIX A: FORMS 1–5

### FORM 1 (Required for all states not using the Synar Survey Estimation System (SSES) to analyze the Synar Survey data)

Complete Form 1 to report sampling frame and sample information and to calculate the unweighted retailer violation rate (RVR) using results from the current year’s Synar survey inspections.

**Instructions for Completing Form 1:** In the top right-hand corner of the form, provide the state name and reporting federal fiscal year (FFY 2021). Provide the remaining information by stratum if stratification was used. Make copies of the form if additional rows are needed to list all the strata.

Column 1: *If stratification was used:*

1(a) Sequentially number each row.

1(b) Write in the name of each stratum. All strata in the state must be listed.

*If no stratification was used:*

1(a) Leave blank.

1(b) Write “state” in the first row (indicates that the whole state is a single stratum).

*Note for unstratified samples: For Columns 2–5, wherever the instruction refers to “each stratum,” report the specified information for the state as a whole.*

Column 2: 2(a) Report the number of over-the-counter (OTC) outlets in the sampling frame in each stratum.

2(b) Report the number of vending machine (VM) outlets in the sampling frame in each stratum.

2(c) Report the combined total of OTC and VM outlets in the sampling frame in each stratum.

Column 3: 3(a) Report the estimated number of eligible OTC outlets in the OTC outlet population in each stratum.

3(b) Report the estimated number of eligible VM outlets in the VM outlet population in each stratum.

3(c) Report the combined total estimated number of eligible OTC and VM outlets in the total outlet population in each stratum.

*The estimates for Column 3 can be obtained from the Synar survey sample as the weighted sum of eligible outlets by outlet type.*

Column 4: 4(a) Report the number of eligible OTC outlets for which an inspection was completed, for each stratum.

4(b) Report the numbers of eligible VM outlets for which an inspection was completed, for each stratum.

4(c) Report the combined total of eligible OTC and VM outlets for which an inspection was completed, for each stratum.

Column 5: 5(a) Report the number of OTC outlets found in violation of the law as a result of completed inspections, for each stratum.

5(b) Report the number of VM outlets found in violation of the law as a result of completed inspections, for each stratum.

5(c) Report the combined total of OTC and VM outlets found in violation of the law as a result of completed inspections, for each stratum.

Totals: For each subcolumn (a–c) in Columns 2–5, provide totals for the state as a whole in the last row of the table. These numbers will be the sum of the numbers in each row for the respective column.



## FORM 2 (Optional)

### Appropriate for stratified simple or systematic random sampling designs.

Complete Form 2 to calculate the weighted RVR. This table (in Excel form) is designed to calculate the weighted RVR for stratified simple or systematic random sampling designs, accounting for ineligible outlets and noncomplete inspections encountered during the annual Synar survey.

**Instructions for Completing Form 2:** In the top right-hand corner of the form, provide the state name and reporting federal fiscal year (FFY 2021).

- Column 1: Write in the name of each stratum into which the sample was divided. These should match the strata reported in Column 1(b) of Form 1.
- Column 2: Report the number of outlets in the sampling frame in each stratum. These numbers should match the numbers reported for the respective strata in Column 2(c) of Form 1.
- Column 3: Report the original sample size (the number of outlets originally selected, *including* substitutes or replacements) for each stratum.
- Column 4: Report the number of sample outlets in each stratum that were found to be eligible during the inspections. Note that this number must be less than or equal to the number reported in Column 3 for the respective strata.
- Column 5: Report the number of eligible outlets in each stratum for which an inspection was completed. Note that this number must be less than or equal to the number reported in Column 4. These numbers should match the numbers reported in Column 4(c) of Form 1 for the respective strata.
- Column 6: Report the number of eligible outlets inspected in each stratum that were found in violation. These numbers should match the numbers reported in Column 5(c) of Form 1 for the stratum.
- Column 7: Form 2 (in Excel form) will automatically calculate the stratum RVR for each stratum in this column. This is calculated by dividing the number of inspected eligible outlets found in violation (Column 6) by the number of inspected eligible outlets (Column 5). The state unweighted RVR will be shown in the Total row of Column 7.
- Column 8: Form 2 (in Excel form) will automatically calculate the estimated number of eligible outlets in the population for each stratum. This calculation is made by multiplying the number of outlets in the sampling frame (Column 2) times the number of eligible outlets (Column 4) divided by the original sample size (Column 3). Note that these numbers will be less than or equal to the numbers in Column 2.
- Column 9: Form 2 (in Excel form) will automatically calculate the relative stratum weight by dividing the estimated number of eligible outlets in the population for each stratum in Column 8 by the Total of the values in Column 8.
- Column 10: Form 2 (in Excel form) will automatically calculate each stratum's contribution to the state weighted RVR by multiplying the stratum RVR (Column 7) by the relative stratum weight (Column 9). The weighted RVR for the state will be shown in the Total row of Column 10.
- Column 11: Form 2 (in Excel form) automatically calculates the standard error of each stratum's RVR (Column 7). The standard error for the state weighted RVR will be shown in the Total row of Column 11.
- TOTAL: For Columns 2–6, Form 2 (in Excel form) provides totals for the state as a whole in the last row of the table. For Columns 7–11, it calculates the respective statistic for the state as a whole.

**FORM 2 (Optional) Appropriate for stratified simple or systematic random sampling designs.**

Calculation of Weighted Retailer Violation Rate										
										State: _____
										FFY: 2021
(1) Stratum Name	(2) N Number of Outlets in Sampling Frame	(3) n Original Sample Size	(4) n1 Number of Sample Outlets Found Eligible	(5) n2 Number of Outlets Inspected	(6) x Number of Outlets Found in Violation	(7) p=x/n2 Stratum Retailer Violation Rate	(8) N'=N(n1/n) Estimated Number of Eligible Outlets in Population	(9) w=N'/Total Column 8 Relative Stratum Weight	(10) pw Stratum Contribution to State Weighted RVR	(11) s.e. Standard Error of Stratum RVR
<b>Total</b>										

- N - number of outlets in sampling frame
- n - original sample size (number of outlets in the original sample)
- n1 - number of sample outlets that were found to be eligible
- n2 - number of eligible outlets that were inspected
- x - number of inspected outlets that were found in violation
- p - stratum retailer violation rate (p=x/n2)
- N' - estimated number of eligible outlets in population (N'=N\*n1/n)
- w - relative stratum weight (w=N'/Total Column 8)
- pw - stratum contribution to the weighted RVR
- s.e. - standard error of the stratum RVR

**FORM 3 (Required when a cluster design is used for all states not using the Synar Survey Estimation System [SSES] to analyze the Synar survey data.)**

Complete Form 3 to report information about primary sampling units when a cluster design was used for the Synar survey.

**Instructions for Completing Form 3:** In the top right-hand corner of the form, provide the state name and reporting federal fiscal year (FFY 2021).

Provide information by stratum if stratification was used. Make copies of the form if additional rows are needed to list all the strata.

Column 1: Sequentially number each row.

Column 2: *If stratification was used:* Write in the name of stratum. All strata in the state must be listed.

*If no stratification was used:* Write “state” in the first row to indicate that the whole state constitutes a single stratum.

Column 3: Report the number of primary sampling units (PSUs) (i.e., first-stage clusters) created for each stratum.

Column 4: Report the number of PSUs selected in the original sample for each stratum.

Column 5: Report the number of PSUs in the final sample for each stratum.

TOTALS: For Columns 3–5, provide totals for the state as a whole in the last row of the table.

<b>Summary of Clusters Created and Sampled</b>				
				<b>State:</b> _____
				<b>FFY:</b> <u>2021</u>
(1) Row #	(2) Stratum Name	(3) Number of PSUs Created	(4) Number of PSUs Selected	(5) Number of PSUs in the Final Sample
<b>Total</b>				



**FORM 4 (Required for all states not using the Synar Survey Estimation System [SSES] to analyze the Synar Survey data)**

Complete Form 4 to provide detailed tallies of ineligible sample outlets by reasons for ineligibility and detailed tallies of eligible sample outlets with noncomplete inspections by reasons for noncompletion.

**Instructions for Completing Form 4:** In the top right-hand corner of the form, provide the state name and reporting federal fiscal year (FFY 2021).

Column 1(a): Enter the number of sample outlets found ineligible for inspection by reason for ineligibility. Provide the total number of ineligible outlets in the row marked “Total.”

Column 2(a): Enter the number of eligible sample outlets with noncomplete inspections by reason for noncompletion. Provide the total number of eligible outlets with noncomplete inspections in the row marked “Total.”

<b>Inspection Tallies by Reason of Ineligibility or Noncompletion</b>			
		<b>State:</b> _____	
		<b>FFY:</b> 2021	
<b>(1) INELIGIBLE</b>		<b>(2) ELIGIBLE</b>	
<b>Reason for Ineligibility</b>	<b>(a) Counts</b>	<b>Reason for Noncompletion</b>	<b>(a) Counts</b>
Out of business		In operation but closed at time of visit	
Does not sell tobacco products		Unsafe to access	
Inaccessible by youth		Presence of police	
Private club or private residence		Youth inspector knows salesperson	
Temporary closure		Moved to new location	
Unlocatable		Drive-thru only/youth inspector has no driver's license	
Wholesale only/Carton sale only		Tobacco out of stock	
Vending machine broken		Ran out of time	
Duplicate		Other noncompletion reason(s) <i>(Describe.)</i>	
Other ineligibility reason(s) <i>(Describe.)</i>			
<b>Total</b>		<b>Total</b>	

**FORM 5 (Required for all states not using the Synar Survey Estimation System [SSES] to analyze the Synar survey data)**

Complete Form 5 to show the distribution of outlet inspection results by age and gender of the youth inspectors.

**Instructions for Completing Form 5:** In the top right-hand corner of the form, provide the state name and reporting federal fiscal year (FFY 2021).

Column 1: Enter the number of attempted buys by youth inspector age and gender.

Column 2: Enter the number of successful buys by youth inspector age and gender.

If the inspectors are age eligible but the gender of the inspector is unknown, include those inspections in the “Other” row. Calculate subtotals for males and females in rows marked “Male Subtotal” and “Female Subtotal.” Sum subtotals for Male, Female, and Other and record in the bottom row marked “Total.” Verify that that the total of attempted buys and successful buys equals the total for Column 4(c) and Column 5(c), respectively, on Form 1. If the totals do not match, please explain any discrepancies.

<b>Synar Survey Inspector Characteristics</b>		
		State: _____
		FFY: 2021 _____
	(1) Attempted Buys	(2) Successful Buys
<b>Male</b>		
15 years		
16 years		
17 years		
18 years		
19 years		
20 years		
<b>Male Subtotal</b>		
<b>Female</b>		
15 years		
16 years		
17 years		
18 years		
19 years		
20 years		
<b>Female Subtotal</b>		
<b>Other</b>		
<b>Total</b>		

## **APPENDIXES B & C: FORMS**

### Instructions

Appendix B (Sampling Design) and Appendix C (Inspection Protocol) are to reflect the state's CSAP-approved sampling design and inspection protocol. These appendixes, therefore, should generally describe the design and protocol and, with the exception of Question #10 of Appendix B, are not to be modified with year-specific information. Please note that any changes to either appendix must receive CSAP's advance, written approval. To facilitate the state's completion of this section, simply cut and paste the previously approved sampling design (Appendix B) and inspection protocol (Appendix C) and respond to Question #10 of Appendix B to provide the requested information about sample size calculations for the Synar survey conducted in FFY 2020.

## APPENDIX B: SYNAR SURVEY SAMPLING METHODOLOGY

State: Michigan  
 FFY: 2021

**1. What type of sampling frame is used?**

- List frame *(Go to Question 2.)*
- Area frame *(Go to Question 3.)*
- List-assisted area frame *(Go to Question 2.)*

**2. List all sources of the list frame. Indicate the type of source from the list below. Provide a brief description of the frame source. Explain how the lists are updated (method), including how new outlets are identified and added to the frame. In addition, explain how often the lists are updated (cycle). *(After completing this question, go to Question 4.)***

*Use the corresponding number to indicate Type of Source in the table below.*

- 1 – Statewide commercial business list
- 4 – Statewide retail license/permit list
- 2 – Local commercial business list
- 5 – Statewide liquor license/permit list
- 3 – Statewide tobacco license/permit list
- 6 – Other

Name of Frame Source	Type of Source	Description	Updating Method and Cycle
10 Regional Prepaid Inpatient Health Plans (PIHP)	6	PIHPs and local Designated Youth Tobacco Use Representatives (DYTUR) compile and update a Master Retailer List for their respective regions.	The sample frame is updated annually prior to the Synar survey process. Each fiscal year PIHPs are provided their initial Master Retailer List and required to update the list by adding new tobacco retailers and deleting retailers that are no longer selling tobacco products or are out of business. In addition, PIHPs make any revisions to current retailer information (e.g. change of name or address). Each PIHP is required to canvass their respective regions for the purpose of identifying these new or former retailers. The PIHPs provide OROSC with the updated lists, which are added to our retailer database, which is then updated prior to the Synar survey process.

**3. If an area frame is used, describe how area sampling units are defined and formed.**

**a. Is any area left out in the formation of the area frame?**

Yes  No

*If Yes, what percentage of the state's population is not covered by the area frame?*

\_\_\_\_\_ %

**4. Federal regulation requires that vending machines be inspected as part of the Synar survey. Are vending machines included in the Synar survey?**

Yes  No

*If No, please indicate the reason(s) they are not included in the Synar survey. Please check all that apply.*

State law bans vending machines.

State law bans vending machines from locations accessible to youth.

State has a contract with the FDA and is actively enforcing the vending machine requirements of the Family Smoking Prevention and Tobacco Control Act.

Other (Please describe.) \_\_\_\_\_

*If Yes, please indicate how likely it is that vending machines will be sampled.*

Vending machines are sampled separately to ensure vending machines are included in the sample

Vending machines are sampled together with over the counter outlets, so it is possible that no vending machines were sampled, however they are included in the sampling frame and have a non-zero probability of selection

Other reasons (Please describe.) \_\_\_\_\_

**5. Which category below best describes the sample design? (Check only one.)**

**Census** (STOP HERE: Appendix B is complete.)

**Unstratified statewide sample:**

Simple random sample (Go to Question 9.)

Systematic random sample (Go to Question 6.)

Single-stage cluster sample (Go to Question 8.)

Multistage cluster sample (Go to Question 8.)

**Stratified sample:**

Simple random sample (Go to Question 7.)

Systematic random sample (Go to Question 6.)

Single-stage cluster sample (Go to Question 7.)

Multistage cluster sample (Go to Question 7.)

**Other** (Please describe and go to Question 9.) \_\_\_\_\_

**6. Describe the systematic sampling methods. (After completing Question 6, go to Question 7 if stratification is used. Otherwise go to Question 9.)**

--

**7. Provide the following information about stratification.**

- a. Provide a full description of the strata that are created.**

OROSC stratified sample by the 10 Prepaid Inpatient Health Plans

- b.  clustering used within the stratified sample?**

**Yes** (Go to Question 8.)

**No** (Go to Question 9.)

**8. Provide the following information about clustering.**

- a. Provide a full description of how clusters are formed. (If multistage clusters are used, give definitions of clusters at each stage.)**

- b. Specify the sampling method (simple random, systematic, or probability proportional to size sampling) for each stage of sampling and describe how the**

**method(s) is (are) implemented.**

**9. Provide the following information about determining the Synar Sample.**

- a. Was the Synar Survey Estimation System (SSES) used to calculate the sample size?**

**Yes** (Respond to part b.)

**No** (Respond to part c and Question 10c.)

- b. SSES Sample Size Calculator used?**

**State Level** (Respond to Question 10a.)

**Stratum Level** (Respond to Question 10a and 10b.)

- c. Provide the formulas for determining the effective, target, and original outlet sample sizes.**

The SSES sample size calculator is used to estimate the sample size. The formula for calculating the effective sample size is,  $n_e$ , based on page 36 (formula 3.5) of the Sample Design Guidance published in 2011.

$$n_e = \frac{1}{\left( \frac{(0.0182)^2}{P(1-P)} + \frac{1}{N} \right)}$$

Where P is the RVR from the previous year's survey and N is the total number of outlets in the state.

The target sample is determined by multiplying the effective sample size by the expected design effect of 1.01.

$$n_t = dn_e$$

The original sample size is determined by inflating the target sample size by the expected eligibility rate ( $r_i$ ) and the expected completion rate ( $r_c$ ), where ( $r_i$ ) is the eligibility (also known as accuracy) rate from the previous year's survey and is the completion rate from the previous year's survey. The original sample size can be written as:

$$n_o = \frac{n_t}{r_i r_c}$$

In addition, the original sample size is further inflated by a 20% safety margin.

**10. Provide the following information about sample size calculations for the Synar survey conducted in FFY 2020.**

- a. If the state uses the sample size formulas embedded in the SSES Sample Size Calculator to calculate the state level sample size, please provide the following information:**

**Inputs for Effective Sample Size:**

RVR: 10.5%

Frame Size: 8,230

**Input for Target Sample Size:**

Design Effect: 1.01

**Inputs for Original Sample Size:**

Safety Margin: 20%

Accuracy (Eligibility) Rate: 95.7%

Completion Rate: 98.9%

- b. If the state uses the sample size formulas embedded in the SSES Sample Size Calculator to calculate the stratum level sample sizes, please provide the stratum level information:**

Michigan uses and analyze data for each of the 10 PIHPs in the state. Many of these agencies have large differences in rural/urban ratios, types of tobacco vendors, and types of law enforcement. Consequently, the Synar rates in each PIHP are expected to vary. Therefore, Michigan is interested in stratifying its Synar sampling in a manner to meet the federal requirements as well as to have a meaningful representation. Since Michigan would like to review individual PIHP Synar rates, it has determined that a minimum number of samples (20) should be completed for each PIHP. Establishing such a minimum will represent an increase in the number of sites being sampled in those agencies with a lower number of tobacco vendors (oversampling). However, such an adjustment in sample size this will not impact the statewide rate as that rate will be based on the weighted average for the number of total tobacco vendors in each PIHP. In order to assure that 20 outlets per PIHP are available for analysis, Michigan requires that each stratum sample size be no lower than 30. Therefore, the actual original sample

size will be increased to ensure that each individual's (PIHP's) stratum sample size is no lower than 30.

- c. **If the state does not use the sample size formulas embedded in the SSES Sample Size Calculator, please provide all inputs required to calculate the effective, target, and original sample sizes as indicated in Question 9.**



# APPENDIX C: SYNAR SURVEY INSPECTION PROTOCOL SUMMARY

State: Michigan  
FFY: 2021

*Note: Upload to WebBGAS a copy of the Synar inspection form under the heading “Synar Inspection Form” and a copy of the protocol used to train inspection teams on conducting and reporting the results of the Synar inspections under the heading “Synar Inspection Protocol.”*

## 1. How does the state Synar survey protocol address the following?

### a. Consummated buy attempts?

- Required
- Permitted under specified circumstances (Describe: \_\_\_\_\_ )
- Not permitted

### b. Youth inspectors to carry ID?

- Required
- Permitted under specified circumstances (Describe: \_\_\_\_\_ )
- Not permitted

### c. Adult inspectors to enter the outlet?

- Required
- Permitted under specified circumstances (Describe: \_\_\_\_\_ )
- Not permitted

### d. Youth inspectors to be compensated?

- Required
- Permitted under specified circumstances (Describe: Payment to youth inspectors is left to the discretion and resources of the PIHPs)
- Not permitted

## 2. Identify the agency(ies) or entity(ies) that actually conduct the random, unannounced Synar inspections of tobacco outlets. (Check all that apply.)

- Law enforcement agency(ies)
- State or local government agency(ies) other than law enforcement
- Private contractor(s)
- Other

List the agency name(s): **Region 1 NorthCare Network; Region 2 Northern Michigan Regional Entity; Region 3 Lakeshore Regional Entity; Region 4 Southwest Michigan Behavioral Health;**

**Region 4 Southwest Michigan Behavioral Health; Region 5 Mid-State Health Network; Region 6 Community Mental Health Partnership of Southeast Michigan; Region 7 Detroit Wayne Integrated Health Network; Region 8 Oakland Community Health Network; Region 9 Macomb County Community Mental Health; and, Region 10 Prepaid Inpatient Health Plan**

**3. Are Synar inspections combined with law enforcement efforts (i.e., do law enforcement representatives issue warnings or citations to retailers found in violation of the law at the time of the inspection)?**

- Always    Usually    Sometimes    Rarely    Never

**4. Describe the type of tobacco products that are requested during Synar inspections.**

**a. What type of tobacco products are requested during the inspection?**

- Cigarettes
- Small Cigars
- Cigarillos
- Smokeless Tobacco
- Electronic Cigarettes/Electronic Nicotine Delivery Systems (ENDS)
- Other Single cigarettes

**b. Describe the protocol for identifying what types of products and what brands of products are requested during an inspection.**

Prior to attempting an unconsummated buy, the Designated Youth Tobacco Use Representative (DYTUR) acting on behalf of the region reviews known Retailer Violation Rate and discusses youth use trends with the decoy and a decision is made about the type of products and/or brands will be requested accordingly. It is the ultimate determination of the adult chaperone and the regional Prevention Coordinator.

**5a. Describe the methods used to recruit, select, and train adult supervisors.**

Recruitment is left to the jurisdiction of the regional Prevention Coordinators. They are provided chaperone guidelines that are posted on the State of Michigan website and are instructed to obey Worker's Compensation and Youth Employment Standard regulations.

**5b. Describe the methods used to recruit, select, and train youth inspectors.**

Recruitment is left to the jurisdiction of the regional Prevention Coordinators. They are provided chaperone and youth inspectors guidelines that are posted on the State of Michigan website and are instructed to obey Worker's Compensation and Youth Employment Standard regulations.

**6. Are there specific legal or procedural requirements instituted by the state to address the issue of youth inspectors' immunity when conducting inspections?**

**a. Legal**

- Yes    No

*(If Yes, please describe.)*

Youth inspector's immunity is covered by the Michigan Youth Tobacco Act.

**b. Procedural**

Yes  No

*(If Yes, please describe.)*

**7. Are there specific legal or procedural requirements instituted by the state to address the issue of the safety of youth inspectors during all aspects of the Synar inspection process?**

**a. Legal**

Yes  No

*(If Yes, please describe.)*

All subcontractors are subject to Workers Compensation laws.

**b. Procedural**

Yes  No

*(If Yes, please describe.)*

**8. Are there any other legal or procedural requirements the state has regarding how inspections are to be conducted (e.g., age of youth inspector, time of inspections, training that must occur)?**

**a. Legal**

Yes  No

*(If Yes, please describe.)*

**b. Procedural**

Yes  No

*(If Yes, please describe.)*

Youth inspectors must be 16 or 17 years old. Training and scheduling is under the jurisdiction of the Prevention Coordinator and DYTUR acting on behalf of the PIHP.

# APPENDIX D: LIST SAMPLING FRAME COVERAGE STUDY

(LIST FRAME ONLY)

State: \_\_\_\_\_  
FFY: 2021

1. Calendar year of the coverage study: \_\_\_\_\_

2. a. Unweighted percent coverage found: \_\_\_\_\_%  
b. Weighted percent coverage found: \_\_\_\_\_%  
c. Number of outlets found through canvassing: \_\_\_\_\_  
d. Number of outlets matched on the list frame: \_\_\_\_\_

3. a. Describe how areas were defined. (e.g., census tracts, counties, etc.)

b. Were any areas of the state excluded from sampling?

Yes  No

*If Yes, please explain.*

4. Please answer the following questions about the selection of canvassing areas.

a. Which category below best describes the sample design? (Check only one.)

Census (Go to Question 6.)

**Unstratified statewide sample:**

- Simple random sample (Respond to Part b.)  
 Systematic random sample (Respond to Part b.)  
 Single-stage cluster sample (Respond to Parts b and d.)  
 Multistage cluster sample (Respond to Parts b and d.)

**Stratified sample:**

- Simple random sample (Respond to Parts b and c.)  
 Systematic random sample (Respond to Parts b and c.)  
 Single-stage cluster sample (Respond to Parts b, c, and d.)  
 Multistage cluster sample (Respond to Parts b, c, and d.)  
 **Other** (Please describe and respond to Part b.) \_\_\_\_\_

b. Describe the sampling methods.

c. Provide a full description of the strata that were created.

d. Provide a full description of how clusters were formed.

5. Were borders of the selected areas clearly identified at the time of canvassing?

Yes  No

6. Were all sampled areas visited by canvassing teams?

Yes (*Go to Question 7.*)  No (*Respond to Parts a and b.*)

a. Was the subset of areas randomly chosen?

Yes  No

b. Describe how the subsample of visited areas was drawn. Include the number of areas sampled and the number of areas canvassed.

7. Were field observers provided with a detailed map of the canvassing areas?

Yes  No

*If No, describe the canvassing instructions given to the field observers.*

8. Were field observers instructed to find all outlets in the assigned area?

Yes  No

*If No, respond to Question 9.*

*If Yes, describe any instructions given to the field observers to ensure the entire area was canvassed, then go to Question 10.*

9. If a full canvassing was not conducted:

a. How many predetermined outlets were to be observed in each area? \_\_\_\_\_

b. What were the starting points for each area? \_\_\_\_\_

c. Were these starting points randomly chosen?

Yes  No

d. Describe the selection of the starting points.

- e. Please describe the canvassing instructions given to the field observers, including predetermined routes.

10. Describe the process field observers used to determine if an outlet sold tobacco.

11. Please provide the state's definition of "matches" or "mismatches" to the Synar sampling frame? (i.e., address, business name, business license number, etc.)

12. Provide the calculation of the weighted percent coverage (if applicable).

**SSES Table 1 (Synar Survey Estimates and Sample Sizes)**

**CSAP-SYNAR REPORT**

State	MI
Federal Fiscal Year (FFY)	2021
Date	10/27/2020 16:31
Data	FFY2021 SSESv7_DataEntry_SRS.xlsx
Program Version	Version 7.0
Analysis Option	Stratified SRS with FPC

**Estimates**

Unweighted Retailer Violation Rate	14.9%
Weighted Retailer Violation Rate	15.1%
Standard Error	1.9%
Is SAMHSA Precision Requirement met?	NO
Right-sided 95% Confidence Interval	[0.0%, 18.3%]
Two-sided 95% Confidence Interval	[11.4%, 18.9%]
Design Effect	1.0
Accuracy Rate (unweighted)	92.6%
Accuracy Rate (weighted)	92.4%
Completion Rate (unweighted)	97.7%

**Sample Size for Current Year**

Effective Sample Size	274
Target (Minimum) Sample Size	277
Original Sample Size	378
Eligible Sample Size	350
Final Sample Size	342
Overall Sampling Rate	4.5%

SSES Table 2 (Synar Survey Results by Stratum and by OTC/VM)

STATE: MI  
FFY: 2021

Samp. Stratum	Var. Stratum	Outlet Frame Size	Estimated Outlet Population Size	Number of PSU Clusters Created	Number of PSU Clusters in Sample	Outlet Sample Size	Number of Eligible Outlets in Sample	Number of Sample Outlets Inspected	Number of Sample Outlets in Violation	Retailer Violation Rate(%)	Standard Error(%)
<b>All Outlets</b>											
Det-Wayne	Det-Wayne	1,558	1,465	N/A	N/A	67	63	62	16	25.8%	
Lakeshore	Lakeshore	705	634	N/A	N/A	30	27	27	4	14.8%	
Macomb	Macomb	666	622	N/A	N/A	30	28	28	0	0.0%	
MSHN	MSHN	1,600	1,412	N/A	N/A	68	60	53	8	15.1%	
NMRE	NMRE	638	574	N/A	N/A	30	27	27	2	7.4%	
NorthCarare	NorthCarare	367	343	N/A	N/A	30	28	28	5	17.9%	
Oakland	Oakland	734	663	N/A	N/A	31	28	28	5	17.9%	
Region 10	Region 10	693	693	N/A	N/A	30	30	30	5	16.7%	
Southeast	Southeast	524	524	N/A	N/A	30	30	30	2	6.7%	
SWMBH	SWMBH	745	675	N/A	N/A	32	29	29	4	13.8%	
<b>Total</b>		<b>8,230</b>	<b>7,605</b>			<b>378</b>	<b>350</b>	<b>342</b>	<b>51</b>	<b>15.1%</b>	<b>1.9%</b>
<b>Over the Counter Outlets</b>											
Det-Wayne	Det-Wayne	1,555	1,465	N/A	N/A	67	63	62	16	25.8%	
Lakeshore	Lakeshore	705	634	N/A	N/A	30	27	27	4	14.8%	
Macomb	Macomb	665	622	N/A	N/A	30	28	28	0	0.0%	
MSHN	MSHN	1,599	1,412	N/A	N/A	68	60	53	8	15.1%	
NMRE	NMRE	638	574	N/A	N/A	30	27	27	2	7.4%	
NorthCarare	NorthCarare	366	343	N/A	N/A	30	28	28	5	17.9%	
Oakland	Oakland	733	663	N/A	N/A	31	28	28	5	17.9%	
Region 10	Region 10	693	693	N/A	N/A	30	30	30	5	16.7%	
Southeast	Southeast	524	524	N/A	N/A	30	30	30	2	6.7%	
SWMBH	SWMBH	744	675	N/A	N/A	32	29	29	4	13.8%	
<b>Total</b>		<b>8,222</b>	<b>7,605</b>			<b>378</b>	<b>350</b>	<b>342</b>	<b>51</b>	<b>15.1%</b>	<b>1.9%</b>
<b>Vending Machines</b>											



Det-Wayne	Det-Wayne	3	0	N/A	N/A	0	0	0	0	0.0%	
Lakeshore	Lakeshore	0	0	N/A	N/A	0	0	0	0	0.0%	
Macomb	Macomb	1	0	N/A	N/A	0	0	0	0	0.0%	
MSHN	MSHN	1	0	N/A	N/A	0	0	0	0	0.0%	
NMRE	NMRE	0	0	N/A	N/A	0	0	0	0	0.0%	
NorthC are	NorthC are	1	0	N/A	N/A	0	0	0	0	0.0%	
Oakland	Oakland	1	0	N/A	N/A	0	0	0	0	0.0%	
Region 10	Region 10	0	0	N/A	N/A	0	0	0	0	0.0%	
Southeast	Southeast	0	0	N/A	N/A	0	0	0	0	0.0%	
SWMB H	SWMB H	1	0	N/A	N/A	0	0	0	0	0.0%	
Total		8	0			0	0	0	0	0.0%	0.0%

**SSES Table 3 (Synar Survey Sample Tally Summary)**

STATE: MI  
FFY: 2021

Disposition Code	Description	Count	Subtotal
EC	Eligible and inspection complete outlet	342	
Total (Eligible Completes)			342
N1	In operation but closed at time of visit	0	
N2	Unsafe to access	6	
N3	Presence of police	0	
N4	Youth inspector knows salesperson	2	
N5	Moved to new location but not inspected	0	
N6	Drive thru only/youth inspector has no drivers license	0	
N7	Tobacco out of stock	0	
N8	Run out of time	0	
N9	Other noncompletion	0	
Total (Eligible Noncompletes)			8
I1	Out of Business	11	
I2	Does not sell tobacco products	5	
I3	Inaccessible by youth	3	
I4	Private club or private residence	0	
I5	Temporary closure	5	
I6	Can't be located	0	
I7	Wholesale only/Carton sale only	1	
I8	Vending machine broken	0	
I9	Duplicate	0	
I10	Other ineligibility (see below)	3	
Total (Ineligibles)			28
Grand Total			378

**Give reasons and counts for other ineligibility:**

Reason	Count
Tribe's territory	2
Delivery only due to COVID-19, no in store sales	1

**SSES Table 4 (Synar Survey Inspection Results by Youth Inspector Characteristics)**

STATE: MI  
FFY: 2021

**Frequency Distribution**

Gender	Age	Number of Inspectors	Attempted Buys	Successful Buys
Male	14	0	0	0
	15	1	2	0
	16	15	47	6
	17	15	64	5
	18	0	0	0
	19	0	0	0
	20	0	0	0
	Subtotal	31	113	11
Female	14	0	0	0
	15	1	1	0
	16	17	97	15
	17	19	131	25
	18	0	0	0
	19	0	0	0
	20	0	0	0
	Subtotal	37	229	40
Other		0	0	0
Grand Total		68	342	51

**Buy Rate in Percent by Age and Gender**

Age	Male	Female	Total
14	0.0%	0.0%	0.0%
15	0.0%	0.0%	0.0%
16	12.8%	15.5%	14.6%
17	7.8%	19.1%	15.4%
18	0.0%	0.0%	0.0%
19	0.0%	0.0%	0.0%
20	0.0%	0.0%	0.0%
Other			0.0%
Total	9.7%	17.5%	14.9%

Outlet ID	Sampling Stratum	Population Size in Stratum	Variance Stratum	Population Size in Stratum	Response Disposition Code	Violation Flag	Outlet Type	Youth Inspector ID	Youth Inspector Gender	Youth Inspector Age	VM Frame Size in Stratum	Type of Product (Cigarettes (1), Small Cigars/Cigarillos (2), Smokeless Tobacco (3), ENDS (4), Other (5))	Retail Outlet Type (Gas Station (1), Tobacco Store (2), Restaurant (3), Hotel (4), Grocery store (5), Drug store (6), Other (7))	Asked Clerk for ID (Y=yes, N=no)
R1-0120	NorthCare	367	NorthCare	367	EC	0	OTC	NCN02	M	16	1	1	1	yes
R1-0416	NorthCare	367	NorthCare	367	I10		OTC	NCN02	M	16	1		7	
R1-0021	NorthCare	367	NorthCare	367	EC	0	OTC	NCN03	M	17	1	1	7	yes
R1-0027	NorthCare	367	NorthCare	367	EC	0	OTC	NCN03	M	17	1	3	1	yes
R1-0075	NorthCare	367	NorthCare	367	I1		OTC	NCN08	M	17	1		1	
R1-0078	NorthCare	367	NorthCare	367	EC	0	OTC	NCN08	F	17	1	1	1	yes
R1-0093	NorthCare	367	NorthCare	367	EC	0	OTC	NCN09	F	17	1	1	1	yes
R1-0119	NorthCare	367	NorthCare	367	EC	1	OTC	NCN09	F	17	1	1	1	no
R1-0459	NorthCare	367	NorthCare	367	EC	0	OTC	NCN09	F	17	1	1	5	yes
R1-0138	NorthCare	367	NorthCare	367	EC	0	OTC	NCN04	M	16	1	1	1	yes
R1-0177	NorthCare	367	NorthCare	367	EC	0	OTC	NCN03	M	17	1	3	1	yes
R1-0191	NorthCare	367	NorthCare	367	EC	0	OTC	NCN03	M	17	1	3	7	yes
R1-0193	NorthCare	367	NorthCare	367	EC	0	OTC	NCN03	M	17	1	3	7	yes
R1-0421	NorthCare	367	NorthCare	367	EC	0	OTC	NCN03	M	17	1	3	1	yes
R1-0214	NorthCare	367	NorthCare	367	EC	0	OTC	NCN03	M	17	1	3	1	yes
R1-0217	NorthCare	367	NorthCare	367	EC	1	OTC	NCN03	M	17	1	3	5	no
R1-0224	NorthCare	367	NorthCare	367	EC	0	OTC	NCN02	M	16	1	1	1	yes
R1-0229	NorthCare	367	NorthCare	367	EC	1	OTC	NCN02	M	16	1	1	1	no

R1-0247	NorthCare 367	NorthCare 367	EC	0	OTC	NCN01	F	16	1	1	1	yes
R1-0277	NorthCare 367	NorthCare 367	EC	0	OTC	NCN06	F	17	1	1	1	yes
R1-0278	NorthCare 367	NorthCare 367	EC	0	OTC	NCN05	M	17	1	1	7	yes
R1-0287	NorthCare 367	NorthCare 367	EC	0	OTC	NCN05	M	17	1	1	1	yes
R1-0291	NorthCare 367	NorthCare 367	EC	1	OTC	NCN05	M	17	1	1	7	no
R1-0300	NorthCare 367	NorthCare 367	EC	0	OTC	NCN06	F	17	1	1	7	yes
R1-0321	NorthCare 367	NorthCare 367	EC	1	OTC	NCN06	F	17	1	1	1	no
R1-0346	NorthCare 367	NorthCare 367	EC	0	OTC	NCN09	F	17	1	1	1	yes
R1-0362	NorthCare 367	NorthCare 367	EC	0	OTC	NCN09	F	17	1	1	1	yes
R1-0365	NorthCare 367	NorthCare 367	EC	0	OTC	NCN09	F	17	1	1	7	yes
R1-0367	NorthCare 367	NorthCare 367	EC	0	OTC	NCN09	F	17	1	1	3	yes
R1-0385	NorthCare 367	NorthCare 367	EC	0	OTC	NCN01	F	16	1	1	1	yes
R2-0027	NMRE 638	NMRE 638	EC	0	OTC	NMR01	F	17	0	1	7	yes
R2-0040	NMRE 638	NMRE 638	I1		OTC	NMR01	F	18	0		1	
R2-0059	NMRE 638	NMRE 638	EC	0	OTC	NMR02	M	16	0	1	5	yes
R2-0065	NMRE 638	NMRE 638	EC	0	OTC	NMR02	M	16	0	1	1	yes
R2-0066	NMRE 638	NMRE 638	I2		OTC	NMR02	M	16	0		7	
R2-0074	NMRE 638	NMRE 638	EC	0	OTC	NMR02	M	16	0	1	7	yes
R2-0130	NMRE 638	NMRE 638	EC	0	OTC	NMR02	M	16	0	1	7	yes
R2-0182	NMRE 638	NMRE 638	EC	0	OTC	NMR01	F	17	0	1	7	yes
R2-0210	NMRE 638	NMRE 638	EC	0	OTC	NMR02	M	16	0	1	5	yes
R2-0226	NMRE 638	NMRE 638	EC	0	OTC	NMR02	M	16	0	1	5	yes
R2-0228	NMRE 638	NMRE 638	EC	0	OTC	NMR02	M	16	0	1	1	yes
R2-0230	NMRE 638	NMRE 638	I3		OTC	NMR02	M	16	0		2	
R2-0262	NMRE 638	NMRE 638	EC	0	OTC	NMR01	F	17	0	1	7	yes
R2-0295	NMRE 638	NMRE 638	EC	0	OTC	NMR01	F	17	0	1	5	yes
R2-0310	NMRE 638	NMRE 638	EC	0	OTC	NMR01	F	17	0	1	1	yes
R2-0315	NMRE 638	NMRE 638	EC	0	OTC	NMR01	F	17	0	4	1	yes
R2-0338	NMRE 638	NMRE 638	EC	1	OTC	NMR03	F	17	0	1	7	no
R2-0340	NMRE 638	NMRE 638	EC	0	OTC	NMR03	F	17	0	1	5	yes
R2-0428	NMRE 638	NMRE 638	EC	0	OTC	NMR01	F	17	0	4	1	yes
R2-0438	NMRE 638	NMRE 638	EC	0	OTC	NMR01	F	17	0	4	5	yes
R2-0484	NMRE 638	NMRE 638	EC	0	OTC	NMR01	F	17	0	1	1	yes
R2-0506	NMRE 638	NMRE 638	EC	0	OTC	NMR03	F	17	0	1	2	yes

R2-0518	NMRE	638	NMRE	638	EC	0	OTC	NMR03	F	17	0	1	6	yes
R2-0553	NMRE	638	NMRE	638	EC	0	OTC	NMR01	F	17	0	1	1	yes
R2-0575	NMRE	638	NMRE	638	EC	0	OTC	NMR01	F	17	0	4	1	yes
R2-0596	NMRE	638	NMRE	638	EC	0	OTC	NMR01	F	17	0	1	6	yes
R2-0597	NMRE	638	NMRE	638	EC	0	OTC	NMR01	F	17	0	4	1	yes
R2-0662	NMRE	638	NMRE	638	EC	0	OTC	NMR01	F	17	0	1	5	yes
R2-0726	NMRE	638	NMRE	638	EC	0	OTC	NMR01	F	17	0	1	1	yes
R2-0728	NMRE	638	NMRE	638	EC	1	OTC	NMR01	F	17	0	1	7	yes
R3-0403	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE01	F	17	0	1	1	yes
R3-1006	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE01	F	17	0	1	7	yes
R3-0256	Lakeshore	705	Lakeshore	705	EC	1	OTC	LRE01	F	17	0	1	7	no
R3-0250	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE01	F	17	0	1	7	yes
R3-0274	Lakeshore	705	Lakeshore	705	EC	1	OTC	LRE01	F	17	0	1	1	no
R3-1053	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE01	F	17	0	1	1	yes
R3-0195	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE01	F	17	0	1	1	yes
R3-0436	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE01	F	17	0	1	7	yes
R3-0417	Lakeshore	705	Lakeshore	705	EC	1	OTC	LRE01	F	17	0	1	5	yes
R3-0108	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE01	F	17	0	1	1	yes
R3-0390	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE01	F	17	0	1	1	yes
R3-0397	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE01	F	17	0	1	6	yes
R3-0174	Lakeshore	705	Lakeshore	705	EC	1	OTC	LRE01	F	17	0	1	7	no
R3-0446	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE01	F	17	0	1	5	yes
R3-0053	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE01	F	17	0	1	1	yes
R3-0014	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE01	F	17	0	1	1	yes
R3-0046	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE01	F	17	0	1	7	yes
R3-1094	Lakeshore	705	Lakeshore	705	I2		OTC	LRE03	F	17	0		2	
R3-0561	Lakeshore	705	Lakeshore	705	I1		OTC	LRE03	F	17	0		1	
R3-0671	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE02	F	17	0	1	1	yes
R3-0619	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE02	F	17	0	1	7	yes
R3-0888	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE02	F	17	0	1	7	yes
R3-0878	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE02	F	17	0	1	1	yes
R3-0884	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE02	F	17	0	1	1	yes
R3-0659	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE02	F	17	0	1	7	yes
R3-0951	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE02	F	17	0	1	7	yes

R3-0652	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE02	F	17	0	1	1	yes
R3-0651	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE02	F	17	0	1	1	yes
R3-0642	Lakeshore	705	Lakeshore	705	EC	0	OTC	LRE02	F	17	0	1	1	yes
R3-1074	Lakeshore	705	Lakeshore	705	I3		OTC	LRE02	F	17	0		2	
R4-0107	SWMBH	745	SWMBH	745	EC	0	OTC	SWM01	F	17	1	1	6	yes
R4-0113	SWMBH	745	SWMBH	745	EC	1	OTC	SWM01	F	17	1	1	1	yes
R4-0167	SWMBH	745	SWMBH	745	I1		OTC	SWM01	F	17	1		7	
R4-0262	SWMBH	745	SWMBH	745	EC	1	OTC	SWM09	M	17	1	4	1	no
R4-0268	SWMBH	745	SWMBH	745	EC	0	OTC	SWM09	M	17	1	1	6	yes
R4-0313	SWMBH	745	SWMBH	745	EC	0	OTC	SWM02	F	16	1	2	1	yes
R4-0327	SWMBH	745	SWMBH	745	EC	0	OTC	SWM03	M	17	1	2	7	yes
R4-0365	SWMBH	745	SWMBH	745	EC	0	OTC	SWM03	M	17	1	2	1	yes
R4-0378	SWMBH	745	SWMBH	745	I1		OTC	SWM03	M	17	1		5	
R4-0388	SWMBH	745	SWMBH	745	EC	0	OTC	SWM02	F	16	1	2	1	yes
R4-0412	SWMBH	745	SWMBH	745	EC	1	OTC	SWM03	M	17	1	1	1	no
R4-0415	SWMBH	745	SWMBH	745	EC	0	OTC	SWM02	F	16	1	2	7	yes
R4-0435	SWMBH	745	SWMBH	745	EC	0	OTC	SWM07	M	16	1	1	1	yes
R4-0436	SWMBH	745	SWMBH	745	EC	0	OTC	SWM08	M	17	1	1	1	yes
R4-0441	SWMBH	745	SWMBH	745	EC	0	OTC	SWM08	M	17	1	1	1	yes
R4-0479	SWMBH	745	SWMBH	745	EC	0	OTC	SWM05	M	16	1	1	6	yes
R4-0499	SWMBH	745	SWMBH	745	EC	0	OTC	SWM06	F	17	1	1	7	yes
R4-0551	SWMBH	745	SWMBH	745	EC	0	OTC	SWM05	M	16	1	1	1	yes
R4-0559	SWMBH	745	SWMBH	745	EC	0	OTC	SWM06	F	17	1	1	6	yes
R4-0565	SWMBH	745	SWMBH	745	EC	0	OTC	SWM06	F	17	1	1	7	yes
R4-0573	SWMBH	745	SWMBH	745	EC	0	OTC	SWM06	F	17	1	1	1	yes
R4-0584	SWMBH	745	SWMBH	745	EC	1	OTC	SWM06	F	17	1	1	1	yes
R4-0588	SWMBH	745	SWMBH	745	EC	0	OTC	SWM06	F	17	1	1	7	yes
R4-0607	SWMBH	745	SWMBH	745	I2		OTC	SWM05	M	16	1		7	
R4-0625	SWMBH	745	SWMBH	745	EC	0	OTC	SWM05	M	16	1	1	1	yes
R4-0627	SWMBH	745	SWMBH	745	EC	0	OTC	SWM05	M	16	1	1	7	yes
R4-0684	SWMBH	745	SWMBH	745	EC	0	OTC	SWM10	M	16	1	1	5	yes
R4-0692	SWMBH	745	SWMBH	745	EC	0	OTC	SWM11	M	16	1	1	7	yes
R4-0725	SWMBH	745	SWMBH	745	EC	0	OTC	SWM04	F	17	1	1	7	yes
R4-0747	SWMBH	745	SWMBH	745	EC	0	OTC	SWM04	F	17	1	1	1	yes

R4-0837	SWMBH	745	SWMBH	745	EC	0	OTC	SWM04	F	17	1	1	2	yes
R4-0842	SWMBH	745	SWMBH	745	EC	0	OTC	SWM04	F	17	1	1	7	yes
R5-0043	MSHN	1600	MSHN	1600	N4		OTC	MHN01	F	17	1		7	
R5-0052	MSHN	1600	MSHN	1600	EC	1	OTC	MHN01	F	17	1	1	1	yes
R5-0079	MSHN	1600	MSHN	1600	EC	0	OTC	MHN01	F	17	1	1	7	yes
R5-0131	MSHN	1600	MSHN	1600	EC	0	OTC	MHN01	F	17	1	1	6	yes
R5-0152	MSHN	1600	MSHN	1600	EC	0	OTC	MHN01	F	17	1	4	1	yes
R5-0158	MSHN	1600	MSHN	1600	EC	0	OTC	MHN01	F	17	1	1	7	yes
R5-0193	MSHN	1600	MSHN	1600	EC	0	OTC	MHN02	F	17	1	1	1	yes
R5-0204	MSHN	1600	MSHN	1600	EC	0	OTC	MHN02	F	17	1	4	1	yes
R5-0234	MSHN	1600	MSHN	1600	EC	0	OTC	MHN03	F	17	1	1	5	yes
R5-0256	MSHN	1600	MSHN	1600	EC	0	OTC	MHN03	F	17	1	1	7	yes
R5-0323	MSHN	1600	MSHN	1600	EC	0	OTC	MHN04	M	17	1	1	1	yes
R5-0373	MSHN	1600	MSHN	1600	EC	1	OTC	MHN02	F	17	1	1	1	no
R5-0382	MSHN	1600	MSHN	1600	EC	0	OTC	MHN02	F	17	1	1	1	yes
R5-0450	MSHN	1600	MSHN	1600	EC	0	OTC	MHN05	F	16	1	1	5	yes
R5-0515	MSHN	1600	MSHN	1600	EC	0	OTC	MHN06	F	17	1	4	1	yes
R5-0517	MSHN	1600	MSHN	1600	EC	0	OTC	MHN06	F	17	1	1	1	yes
R5-0540	MSHN	1600	MSHN	1600	EC	0	OTC	MHN06	F	17	1	1	1	yes
R5-0626	MSHN	1600	MSHN	1600	I2		OTC	MHN07	M	17	1		7	
R5-0679	MSHN	1600	MSHN	1600	EC	0	OTC	MHN07	M	17	1	2	7	yes
R5-0717	MSHN	1600	MSHN	1600	EC	0	OTC	MHN07	M	17	1	2	1	yes
R5-0743	MSHN	1600	MSHN	1600	I7		OTC	MHN07	M	17	1		7	
R5-0763	MSHN	1600	MSHN	1600	I3		OTC	MHN07	M	17	1		3	
R5-0795	MSHN	1600	MSHN	1600	I10		OTC	MHN07	M	17	1		5	
R5-0804	MSHN	1600	MSHN	1600	EC	0	OTC	MHN07	M	17	1	2	1	yes
R5-0812	MSHN	1600	MSHN	1600	N4		OTC	MHN08	M	17	1		7	
R5-0833	MSHN	1600	MSHN	1600	EC	0	OTC	MHN08	M	17	1	1	6	yes
R5-0931	MSHN	1600	MSHN	1600	EC	0	OTC	MHN09	M	17	1	1	5	yes
R5-0936	MSHN	1600	MSHN	1600	EC	0	OTC	MHN09	M	17	1	4	1	yes
R5-1014	MSHN	1600	MSHN	1600	EC	0	OTC	MHN09	M	17	1	1	1	yes
R5-1027	MSHN	1600	MSHN	1600	EC	0	OTC	MHN09	M	17	1	1	1	yes
R5-1030	MSHN	1600	MSHN	1600	EC	0	OTC	MHN09	M	17	1	1	1	yes
R5-1102	MSHN	1600	MSHN	1600	EC	1	OTC	MHN02	F	17	1	1	6	no



R5-1128	MSHN	1600	MSHN	1600	EC	0	OTC	MHN10	M	17	1	1	1	yes
R5-1143	MSHN	1600	MSHN	1600	EC	0	OTC	MHN10	M	17	1	1	1	yes
R5-1183	MSHN	1600	MSHN	1600	EC	0	OTC	MHN10	M	17	1	4	1	yes
R5-1192	MSHN	1600	MSHN	1600	EC	0	OTC	MHN10	M	17	1	4	1	yes
R5-1201	MSHN	1600	MSHN	1600	I5		OTC	MHN10	M	17	1		7	
R5-1226	MSHN	1600	MSHN	1600	N2		OTC	MHN11	F	16	1		1	
R5-1255	MSHN	1600	MSHN	1600	N2		OTC	MHN11	F	16	1		7	
R5-1268	MSHN	1600	MSHN	1600	N2		OTC	MHN11	F	16	1		1	
R5-1285	MSHN	1600	MSHN	1600	EC	0	OTC	MHN13	F	16	1	1	1	yes
R5-1287	MSHN	1600	MSHN	1600	EC	0	OTC	MHN13	F	16	1	1	1	yes
R5-1301	MSHN	1600	MSHN	1600	EC	0	OTC	MHN13	F	16	1	1	1	yes
R5-1311	MSHN	1600	MSHN	1600	EC	0	OTC	MHN13	F	16	1	1	1	yes
R5-1330	MSHN	1600	MSHN	1600	EC	1	OTC	MHN13	F	16	1	1	1	yes
R5-1331	MSHN	1600	MSHN	1600	EC	0	OTC	MHN13	F	16	1	1	5	yes
R5-1340	MSHN	1600	MSHN	1600	EC	0	OTC	MHN02	F	17	1	4	5	yes
R5-1347	MSHN	1600	MSHN	1600	EC	0	OTC	MHN02	F	17	1	1	7	yes
R5-1391	MSHN	1600	MSHN	1600	N2		OTC	MHN14	F	17	1		1	
R5-1399	MSHN	1600	MSHN	1600	EC	0	OTC	MHN14	F	17	1	1	5	yes
R5-1401	MSHN	1600	MSHN	1600	EC	1	OTC	MHN14	F	17	1	4	1	no
R5-1438	MSHN	1600	MSHN	1600	EC	0	OTC	MHN14	F	17	1	4	7	yes
R5-1454	MSHN	1600	MSHN	1600	EC	1	OTC	MHN14	F	17	1	2	7	no
R5-1501	MSHN	1600	MSHN	1600	N2		OTC	MHN14	F	17	1		7	
R5-1519	MSHN	1600	MSHN	1600	EC	0	OTC	MHN14	F	17	1	1	6	yes
R5-1541	MSHN	1600	MSHN	1600	EC	0	OTC	MHN14	F	17	1	2	7	no
R5-1572	MSHN	1600	MSHN	1600	I5		OTC	MHN15	F	16	1		1	
R5-1595	MSHN	1600	MSHN	1600	EC	0	OTC	MHN15	F	16	1	1	7	yes
R5-1619	MSHN	1600	MSHN	1600	EC	0	OTC	MHN16	F	17	1	4	7	yes
R5-1642	MSHN	1600	MSHN	1600	EC	0	OTC	MHN16	F	17	1	1	1	yes
R5-1825	MSHN	1600	MSHN	1600	EC	0	OTC	MHN12	F	16	1	1	1	yes
R5-1845	MSHN	1600	MSHN	1600	I10		OTC	MHN02	F	17	1		1	
R5-1847	MSHN	1600	MSHN	1600	EC	1	OTC	MHN07	M	17	1	2	1	no
R5-1907	MSHN	1600	MSHN	1600	EC	0	OTC	MHN08	M	17	1	4	1	yes
R5-1923	MSHN	1600	MSHN	1600	EC	0	OTC	MHN10	M	17	1	1	7	yes
R5-1942	MSHN	1600	MSHN	1600	EC	1	OTC	MHN02	F	17	1	1	1	yes

R5-1954	MSHN	1600	MSHN	1600	EC	0	OTC	MHN09	M	17	1	4	7	yes
R5-1986	MSHN	1600	MSHN	1600	I2		OTC	MHN07	M	17	1		3	
R6-0024	Southeast	524	Southeast	524	EC	0	OTC	PSE01	M	17	0	1	1	yes
R6-0047	Southeast	524	Southeast	524	EC	0	OTC	PSE01	M	17	0	1	1	yes
R6-0122	Southeast	524	Southeast	524	EC	0	OTC	PSE24	M	16	0	4	6	yes
R6-0129	Southeast	524	Southeast	524	EC	0	OTC	PSE23	M	16	0	1	1	yes
R6-0141	Southeast	524	Southeast	524	EC	0	OTC	PSE22	F	16	0	1	1	yes
R6-0175	Southeast	524	Southeast	524	EC	0	OTC	PSE21	F	16	0	1	1	yes
R6-0177	Southeast	524	Southeast	524	EC	0	OTC	PSE22	F	16	0	1	5	yes
R6-0152	Southeast	524	Southeast	524	EC	0	OTC	PSE21	F	16	0	4	1	yes
R6-0157	Southeast	524	Southeast	524	EC	0	OTC	PSE24	M	16	0	1	5	yes
R6-0170	Southeast	524	Southeast	524	EC	0	OTC	PSE21	F	16	0	1	1	yes
R6-0192	Southeast	524	Southeast	524	EC	0	OTC	PSE22	F	16	0	1	1	yes
R6-0473	Southeast	524	Southeast	524	EC	0	OTC	PSE23	M	16	0	4	1	yes
R6-0217	Southeast	524	Southeast	524	EC	0	OTC	PSE43	M	16	0	1	1	yes
R6-0223	Southeast	524	Southeast	524	EC	1	OTC	PSE42	F	16	0	1	5	yes
R6-0287	Southeast	524	Southeast	524	EC	0	OTC	PSE42	F	16	0	1	7	yes
R6-0317	Southeast	524	Southeast	524	EC	0	OTC	PSE44	M	16	0	1	5	yes
R6-0326	Southeast	524	Southeast	524	EC	0	OTC	PSE44	M	16	0	4	7	yes
R6-0351	Southeast	524	Southeast	524	EC	0	OTC	PSE61	F	16	0	1	7	yes
R6-0388	Southeast	524	Southeast	524	EC	0	OTC	PSE62	F	16	0	1	6	yes
R6-0356	Southeast	524	Southeast	524	EC	0	OTC	PSE61	F	16	0	1	1	yes
R6-0414	Southeast	524	Southeast	524	EC	0	OTC	PSE63	M	16	0	1	6	yes
R6-0372	Southeast	524	Southeast	524	EC	0	OTC	PSE64	M	16	0	1	5	yes
R6-0408	Southeast	524	Southeast	524	EC	0	OTC	PSE64	M	16	0	4	7	yes
R6-0420	Southeast	524	Southeast	524	EC	0	OTC	PSE61	F	16	0	4	7	yes
R6-0427	Southeast	524	Southeast	524	EC	0	OTC	PSE61	F	16	0	1	1	yes
R6-0452	Southeast	524	Southeast	524	EC	0	OTC	PSE62	F	16	0	1	5	yes
R6-0489	Southeast	524	Southeast	524	EC	0	OTC	PSE61	F	16	0	1	1	no
R6-0522	Southeast	524	Southeast	524	EC	1	OTC	PSE63	M	16	0	1	7	yes
R6-0507	Southeast	524	Southeast	524	EC	0	OTC	PSE64	M	16	0	1	7	yes
R6-0594	Southeast	524	Southeast	524	EC	0	OTC	PSE64	M	16	0	1	7	yes
R7-0003	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWIO5	F	17	3	1	1	yes
R7-0008	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWIO5	F	17	3	1	7	yes

R7-0042	Det-Wayn	1558	Det-Wayn	1558	EC	1	OTC	DWI04	F	16	3	1	7	no
R7-0103	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI05	F	17	3	1	7	no
R7-0108	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI05	F	17	3	1	7	yes
R7-0111	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI05	F	17	3	1	5	yes
R7-0113	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI05	F	17	3	1	1	yes
R7-0202	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI03	M	15	3	1	1	yes
R7-0271	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI02	F	15	3	1	7	yes
R7-0301	Det-Wayn	1558	Det-Wayn	1558	I1		OTC	DWI01	F	16	3		7	
R7-0325	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI01	F	16	3	1	1	yes
R7-0342	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI01	F	16	3	1	7	yes
R7-0437	Det-Wayn	1558	Det-Wayn	1558	EC	1	OTC	DWI01	F	16	3	1	1	no
R7-0468	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI01	F	16	3	1	1	yes
R7-0552	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI01	F	16	3	1	7	yes
R7-0584	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI01	F	16	3	4	7	yes
R7-0611	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI01	F	16	3	1	7	no
R7-0659	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI01	F	16	3	1	7	no
R7-0690	Det-Wayn	1558	Det-Wayn	1558	EC	1	OTC	DWI01	F	16	3	1	1	yes
R7-0717	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI01	F	16	3	1	7	yes
R7-0730	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI01	F	16	3	4	7	yes
R7-0753	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI01	F	16	3	1	7	yes
R7-0757	Det-Wayn	1558	Det-Wayn	1558	N2		OTC	DWI01	F	16	3		7	
R7-0771	Det-Wayn	1558	Det-Wayn	1558	EC	1	OTC	DWI01	F	16	3	1	1	no
R7-0826	Det-Wayn	1558	Det-Wayn	1558	I1		OTC	DWI01	F	16	3		5	
R7-0869	Det-Wayn	1558	Det-Wayn	1558	I1		OTC	DWI01	F	16	3		5	
R7-0947	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI01	F	16	3	1	7	yes
R7-1044	Det-Wayn	1558	Det-Wayn	1558	EC	1	OTC	DWI01	F	16	3	1	1	no
R7-1057	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI01	F	16	3	1	1	no
R7-1138	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI01	F	16	3	1	5	no
R7-1145	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI01	F	16	3	1	1	no
R7-1170	Det-Wayn	1558	Det-Wayn	1558	EC	1	OTC	DWI01	F	16	3	1	5	no
R7-1201	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI01	F	16	3	1	7	yes
R7-1207	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI01	F	16	3	1	7	yes
R7-1222	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI04	F	16	3	1	7	yes
R7-1331	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI06	F	16	3	1	5	yes

R7-1336	Det-Wayn	1558	Det-Wayn	1558	EC	1	OTC	DWI06	F	16	3	2	1	no
R7-1404	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI05	F	17	3	1	7	yes
R7-1428	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI05	F	17	3	1	1	yes
R7-1449	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI04	F	16	3	1	7	yes
R7-1486	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI04	F	16	3	1	7	yes
R7-1525	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI04	F	16	3	1	1	yes
R7-1550	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI04	F	16	3	1	7	yes
R7-1658	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI03	M	15	3	1	1	yes
R7-1680	Det-Wayn	1558	Det-Wayn	1558	EC	1	OTC	DWI04	F	16	3	1	5	no
R7-1735	Det-Wayn	1558	Det-Wayn	1558	EC	1	OTC	DWI05	F	17	3	1	7	no
R7-1739	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI05	F	17	3	1	1	yes
R7-1777	Det-Wayn	1558	Det-Wayn	1558	EC	1	OTC	DWI05	F	17	3	1	1	yes
R7-1787	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI05	F	17	3	1	7	yes
R7-1820	Det-Wayn	1558	Det-Wayn	1558	EC	1	OTC	DWI05	F	17	3	1	5	no
R7-1855	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI05	F	17	3	1	7	yes
R7-1863	Det-Wayn	1558	Det-Wayn	1558	EC	1	OTC	DWI05	F	17	3	1	7	yes
R7-1899	Det-Wayn	1558	Det-Wayn	1558	EC	1	OTC	DWI04	F	16	3	1	7	no
R7-1904	Det-Wayn	1558	Det-Wayn	1558	EC	1	OTC	DWI04	F	16	3	1	7	no
R7-1942	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI04	F	16	3	1	7	yes
R7-1961	Det-Wayn	1558	Det-Wayn	1558	EC	1	OTC	DWI04	F	16	3	1	1	no
R7-2039	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI05	F	17	3	1	6	yes
R7-2044	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI04	F	16	3	1	1	no
R7-2046	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI05	F	17	3	1	6	yes
R7-2063	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI01	F	16	3	1	6	yes
R7-2066	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI01	F	16	3	1	7	no
R7-2094	Det-Wayn	1558	Det-Wayn	1558	EC	1	OTC	DWI01	F	16	3	1	1	no
R7-2139	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI01	F	16	3	1	1	yes
R7-2165	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI01	F	16	3	1	1	yes
R7-2212	Det-Wayn	1558	Det-Wayn	1558	I1		OTC	DWI01	F	16	3		1	
R7-2227	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI01	F	16	3	1	7	no
R7-2237	Det-Wayn	1558	Det-Wayn	1558	EC	0	OTC	DWI01	F	16	3	1	1	no
R8-001	Oakland	734	Oakland	734	EC	0	OTC	OCC01	F	16	1	1	7	yes
R8-0757	Oakland	734	Oakland	734	EC	0	OTC	OCC01	F	16	1	1	1	yes
R8-0742	Oakland	734	Oakland	734	EC	0	OTC	OCC02	F	16	1	1	1	yes

R8-0463	Oakland	734	Oakland	734	EC	0	OTC	OCC02	F	16	1	1	1	yes
R8-0718	Oakland	734	Oakland	734	EC	0	OTC	OCC01	F	16	1	1	7	yes
R8-0746	Oakland	734	Oakland	734	EC	0	OTC	OCC02	F	16	1	1	1	yes
R8-0047	Oakland	734	Oakland	734	EC	0	OTC	OCC02	F	16	1	1	7	yes
R8-0222	Oakland	734	Oakland	734	EC	0	OTC	OCC02	F	16	1	1	7	yes
R8-0224	Oakland	734	Oakland	734	EC	0	OTC	OCC03	M	16	1	4	7	yes
R8-0108	Oakland	734	Oakland	734	EC	0	OTC	OCC03	M	16	1	1	2	yes
R8-0896	Oakland	734	Oakland	734	EC	1	OTC	OCC03	M	16	1	1	1	no
R8-0604	Oakland	734	Oakland	734	EC	0	OTC	OCC03	M	16	1	1	7	yes
R8-0903	Oakland	734	Oakland	734	I5		OTC	OCC01	F	16	1		2	
R8-0364	Oakland	734	Oakland	734	EC	0	OTC	OCC01	F	16	1	1	1	yes
R8-0367	Oakland	734	Oakland	734	EC	0	OTC	OCC03	M	16	1	4	7	yes
R8-0853	Oakland	734	Oakland	734	EC	0	OTC	OCC01	F	16	1	1	7	yes
R8-0207	Oakland	734	Oakland	734	EC	0	OTC	OCC03	M	16	1	1	6	yes
R8-0296	Oakland	734	Oakland	734	EC	0	OTC	OCC01	F	16	1	1	1	yes
R8-0523	Oakland	734	Oakland	734	EC	0	OTC	OCC02	F	16	1	1	1	yes
R8-0518	Oakland	734	Oakland	734	EC	0	OTC	OCC01	F	16	1	1	1	yes
R8-0289	Oakland	734	Oakland	734	I1		OTC	OCC01	F	16	1		7	
R8-0521	Oakland	734	Oakland	734	I1		OTC	OCC02	F	16	1		7	
R8-0034	Oakland	734	Oakland	734	EC	0	OTC	OCC02	F	16	1	1	7	yes
R8-0525	Oakland	734	Oakland	734	EC	0	OTC	OCC02	F	16	1	1	7	yes
R8-0083	Oakland	734	Oakland	734	EC	1	OTC	OCC03	M	16	1	1	5	no
R8-0143	Oakland	734	Oakland	734	EC	1	OTC	OCC02	F	16	1	1	1	yes
R8-0319	Oakland	734	Oakland	734	EC	1	OTC	OCC03	M	16	1	4	1	no
R8-0884	Oakland	734	Oakland	734	EC	0	OTC	OCC02	F	16	1	1	1	yes
R8-0692	Oakland	734	Oakland	734	EC	1	OTC	OCC03	M	16	1	1	7	yes
R8-0112	Oakland	734	Oakland	734	EC	0	OTC	OCC02	F	16	1	1	7	yes
R8-0170	Oakland	734	Oakland	734	EC	0	OTC	OCC03	M	16	1	1	6	yes
R9-0146	Macomb	666	Macomb	666	EC	0	OTC	MCC03	M	17	1	4	1	yes
R9-0182	Macomb	666	Macomb	666	EC	0	OTC	MCC03	M	17	1	1	7	yes
R9-0330	Macomb	666	Macomb	666	EC	0	OTC	MCC03	M	17	1	1	7	yes
R9-0633	Macomb	666	Macomb	666	EC	0	OTC	MCC03	M	17	1	1	7	yes
R9-0656	Macomb	666	Macomb	666	EC	0	OTC	MCC03	M	17	1	4	7	yes
R9-0674	Macomb	666	Macomb	666	EC	0	OTC	MCC03	M	17	1	4	1	yes

R9-0816	Macomb	666	Macomb	666	EC	0	OTC	MCC03	M	17	1	1	2	yes
R9-0141	Macomb	666	Macomb	666	EC	0	OTC	MCC04	M	17	1	4	1	yes
R9-0172	Macomb	666	Macomb	666	EC	0	OTC	MCC04	M	17	1	4	1	yes
R9-0650	Macomb	666	Macomb	666	EC	0	OTC	MCC04	M	17	1	1	7	yes
R9-0710	Macomb	666	Macomb	666	I5		OTC	MCC04	M	17	1		2	
R9-0724	Macomb	666	Macomb	666	EC	0	OTC	MCC04	M	17	1	1	2	yes
R9-0726	Macomb	666	Macomb	666	EC	0	OTC	MCC04	M	17	1	1	1	yes
R9-0775	Macomb	666	Macomb	666	EC	0	OTC	MCC04	M	17	1	1	2	yes
R9-0052	Macomb	666	Macomb	666	EC	0	OTC	MCC06	F	16	1	4	7	no
R9-0225	Macomb	666	Macomb	666	EC	0	OTC	MCC06	F	16	1	4	1	yes
R9-0259	Macomb	666	Macomb	666	EC	0	OTC	MCC06	F	16	1	4	1	yes
R9-0335	Macomb	666	Macomb	666	EC	0	OTC	MCC06	F	16	1	4	7	yes
R9-0491	Macomb	666	Macomb	666	EC	0	OTC	MCC06	F	16	1	1	7	yes
R9-0559	Macomb	666	Macomb	666	EC	0	OTC	MCC06	F	16	1	1	1	yes
R9-0585	Macomb	666	Macomb	666	EC	0	OTC	MCC06	F	16	1	4	1	yes
R9-0610	Macomb	666	Macomb	666	EC	0	OTC	MCC06	F	16	1	4	7	yes
R9-0076	Macomb	666	Macomb	666	EC	0	OTC	MCC05	F	17	1	1	7	yes
R9-0107	Macomb	666	Macomb	666	EC	0	OTC	MCC05	F	17	1	1	7	yes
R9-0434	Macomb	666	Macomb	666	EC	0	OTC	MCC05	F	17	1	1	7	yes
R9-0569	Macomb	666	Macomb	666	EC	0	OTC	MCC05	F	17	1	1	1	yes
R9-0571	Macomb	666	Macomb	666	EC	0	OTC	MCC05	F	17	1	1	7	yes
R9-0577	Macomb	666	Macomb	666	EC	0	OTC	MCC05	F	17	1	1	6	yes
R9-0685	Macomb	666	Macomb	666	I5		OTC	MCC05	F	17	1		1	
R9-0831	Macomb	666	Macomb	666	EC	0	OTC	MCC05	F	17	1	4	7	yes
R10-0101	Region 10	693	Region 10	693	EC	0	OTC	RHP48	M	17	0	1	1	yes
R10-0113	Region 10	693	Region 10	693	EC	0	OTC	RHP48	M	17	0	1	5	yes
R10-0373	Region 10	693	Region 10	693	EC	0	OTC	RHP48	M	17	0	1	1	yes
R10-0381	Region 10	693	Region 10	693	EC	0	OTC	RHP48	M	17	0	1	6	yes
R10-0181	Region 10	693	Region 10	693	EC	0	OTC	RHP48	M	17	0	1	7	yes
R10-0038	Region 10	693	Region 10	693	EC	0	OTC	RHP48	M	17	0	1	1	yes
R10-0327	Region 10	693	Region 10	693	EC	0	OTC	RHP48	M	17	0	1	6	yes
R10-0186	Region 10	693	Region 10	693	EC	0	OTC	RHP48	M	17	0	1	7	yes
R10-0278	Region 10	693	Region 10	693	EC	0	OTC	RHP48	M	17	0	1	6	yes
R10-0858	Region 10	693	Region 10	693	EC	0	OTC	RHP48	M	17	0	1	5	yes

R10-0852	Region 10 693	Region 10 693	EC	0	OTC	RHP49	F	17	0	1	7	yes
R10-0148	Region 10 693	Region 10 693	EC	0	OTC	RHP49	F	17	0	1	7	yes
R10-0128	Region 10 693	Region 10 693	EC	0	OTC	RHP49	F	17	0	1	1	yes
R10-0289	Region 10 693	Region 10 693	EC	0	OTC	RHP49	F	17	0	1	1	yes
R10-0189	Region 10 693	Region 10 693	EC	1	OTC	RHP49	F	17	0	1	1	no
R10-0305	Region 10 693	Region 10 693	EC	0	OTC	RHP49	F	17	0	1	7	yes
R10-0192	Region 10 693	Region 10 693	EC	1	OTC	RHP49	F	17	0	1	7	no
R10-0292	Region 10 693	Region 10 693	EC	1	OTC	RHP49	F	17	0	1	7	no
R10-0053	Region 10 693	Region 10 693	EC	1	OTC	RHP49	F	17	0	1	7	yes
R-10-0442	Region 10 693	Region 10 693	EC	1	OTC	RHP49	F	17	0	1	1	no
R10-0421	Region 10 693	Region 10 693	EC	0	OTC	RHP49	F	17	0	1	1	yes
R10-0476	Region 10 693	Region 10 693	EC	0	OTC	RPH34	M	17	0	1	7	yes
R10-0467	Region 10 693	Region 10 693	EC	0	OTC	RPH34	M	17	0	1	6	yes
R10-0517	Region 10 693	Region 10 693	EC	0	OTC	RPH34	M	17	0	1	6	yes
R10-0628	Region 10 693	Region 10 693	EC	0	OTC	RHP25	M	16	0	1	7	yes
R10-0639	Region 10 693	Region 10 693	EC	0	OTC	RHP25	M	16	0	1	5	yes
R10-0759	Region 10 693	Region 10 693	EC	0	OTC	RHP25	M	16	0	1	5	yes
R10-0656	Region 10 693	Region 10 693	EC	0	OTC	RHP25	M	16	0	1	1	yes
R10-0676	Region 10 693	Region 10 693	EC	0	OTC	RHP25	M	16	0	1	1	yes
R10-0670	Region 10 693	Region 10 693	EC	0	OTC	RHP25	M	16	0	1	5	yes

SSES Table (Synar Survey Inspection Results by Type of Product)

STATE: MI  
FFY: 2021

Frequency Distribution and Buy Rate

Product Type	Attempted Buys	Successful Buys	Violation Rate (%)
Cigarettes	282	44	15.6%
Small cigars/Cigarillos	12	3	25.0%
Smokeless tobacco	7	1	14.3%
ENDS	41	3	7.3%
Other	0	0	0.0%
Missing	0	0	0.0%
Invalid	0	0	0.0%
Grand Total	342	51	14.9%

SSES Table (Synar Survey Inspection Results by Type of Product)

STATE: MI  
FFY: 2021

Buy Rate by Type of Product, Age, and Gender

Male								
Product Type	Age							Total
	14	15	16	17	18	19	20	
Cigarettes	0.0%	0.0%	12.5%	5.0%	0.0%	0.0%	0.0%	8.5%
Small cigars/Cigarillos	0.0%	0.0%	0.0%	16.7%	0.0%	0.0%	0.0%	16.7%
Smokeless tobacco	0.0%	0.0%	0.0%	14.3%	0.0%	0.0%	0.0%	14.3%
ENDS	0.0%	0.0%	14.3%	9.1%	0.0%	0.0%	0.0%	11.1%
Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Missing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Invalid	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Male	0.0%	0.0%	12.8%	7.8%	0.0%	0.0%	0.0%	9.7%

Female								
Product Type	Age							Total
	14	15	16	17	18	19	20	
Cigarettes	0.0%	0.0%	16.9%	19.8%	0.0%	0.0%	0.0%	18.5%
Small cigars/Cigarillos	0.0%	0.0%	25.0%	50.0%	0.0%	0.0%	0.0%	33.3%
Smokeless tobacco	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
ENDS	0.0%	0.0%	0.0%	7.7%	0.0%	0.0%	0.0%	4.3%
Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Missing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Invalid	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Female	0.0%	0.0%	15.5%	19.1%	0.0%	0.0%	0.0%	17.5%



All								
Product Type	Age							Total
	14	15	16	17	18	19	20	
Cigarettes	0.0%	0.0%	15.4%	16.0%	0.0%	0.0%	0.0%	15.6%
Small cigars/Cigarillos	0.0%	0.0%	25.0%	25.0%	0.0%	0.0%	0.0%	25.0%
Smokeless tobacco	0.0%	0.0%	0.0%	14.3%	0.0%	0.0%	0.0%	14.3%
ENDS	0.0%	0.0%	5.9%	8.3%	0.0%	0.0%	0.0%	7.3%
Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Missing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Invalid	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Grand Total	0.0%	0.0%	14.6%	15.4%	0.0%	0.0%	0.0%	14.9%

SSES Table (Synar Survey Inspection Results by Type of Retail Outlet) SSES Table (Synar Survey Inspection Results by Type of Retail Outlet)

STATE: MI  
FFY: 2021

STATE: MI  
FFY: 2021

**Frequency Distribution and Buy Rate**

Retail Outlet	Attempted Buys	Successful Buys	Violation Rate (%)
Gas Station	155	27	17.4%
Tobacco Store	6	0	0.0%
Restaurant	1	0	0.0%
Hotel	0	0	0.0%
Grocery Store	36	7	19.4%
Drug Store	25	1	4.0%
Other	119	16	13.4%
Missing	0	0	0.0%
Invalid	0	0	0.0%
<b>Grand Total</b>	<b>342</b>	<b>51</b>	<b>14.9%</b>

**Buy Rate by Type of Retail Outlet, Age, and Gender**

Male								
Retail Outlet	Age							Total
	14	15	16	17	18	19	20	
Gas Station	0.0%	0.0%	18.8%	9.1%	0.0%	0.0%	0.0%	11.8%
Tobacco Store	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Restaurant	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Hotel	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Grocery Store	0.0%	0.0%	9.1%	25.0%	0.0%	0.0%	0.0%	13.3%
Drug Store	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other	0.0%	0.0%	14.3%	5.9%	0.0%	0.0%	0.0%	9.7%
Missing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Invalid	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Total Male</b>	<b>0.0%</b>	<b>0.0%</b>	<b>12.8%</b>	<b>7.8%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>9.7%</b>

Female								
Retail Outlet	Age							Total
	14	15	16	17	18	19	20	
Gas Station	0.0%	0.0%	18.8%	21.4%	0.0%	0.0%	0.0%	20.2%
Tobacco Store	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Restaurant	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Hotel	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Grocery Store	0.0%	0.0%	33.3%	16.7%	0.0%	0.0%	0.0%	23.8%
Drug Store	0.0%	0.0%	0.0%	9.1%	0.0%	0.0%	0.0%	7.7%
Other	0.0%	0.0%	7.9%	20.4%	0.0%	0.0%	0.0%	14.8%
Missing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Invalid	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Total Female</b>	<b>0.0%</b>	<b>0.0%</b>	<b>15.5%</b>	<b>19.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>17.5%</b>

All								
Retail Outlet	Age							Total
	14	15	16	17	18	19	20	
Gas Station	0.0%	0.0%	18.8%	16.9%	0.0%	0.0%	0.0%	17.4%
Tobacco Store	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Restaurant	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Hotel	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Grocery Store	0.0%	0.0%	20.0%	18.8%	0.0%	0.0%	0.0%	19.4%
Drug Store	0.0%	0.0%	0.0%	5.6%	0.0%	0.0%	0.0%	4.0%
Other	0.0%	0.0%	9.6%	16.7%	0.0%	0.0%	0.0%	13.4%
Missing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Invalid	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Grand Total	0.0%	0.0%	14.6%	15.4%	0.0%	0.0%	0.0%	14.9%

SSES Table (Synar Survey Inspection Results by Clerk Asked for S SES Table (Synar Survey Inspection Results by Clerk Asked for ID)

STATE: MI  
FFY: 2021

STATE: MI  
FFY: 2021

Frequency Distribution and Buy Rate

Clerk Asked for ID	Attempted Buys	Successful Buys	Violation Rate (%)
Yes	293	15	5.1%
No	49	36	73.5%
Missing	0	0	0.0%
Invalid	0	0	0.0%
Grand Total	342	51	14.9%

Buy Rate by Clerk Asked for ID, Age, and Gender

Male								
Clerk Asked for ID	Age							Total
	14	15	16	17	18	19	20	
Yes	0.0%	0.0%	4.7%	0.0%	0.0%	0.0%	0.0%	1.9%
No	0.0%	0.0%	100.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Missing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Invalid	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Male	0.0%	0.0%	12.8%	7.8%	0.0%	0.0%	0.0%	9.7%

Female								
Clerk Asked for ID	Age							Total
	14	15	16	17	18	19	20	
Yes	0.0%	0.0%	5.3%	8.0%	0.0%	0.0%	0.0%	6.9%
No	0.0%	0.0%	50.0%	88.9%	0.0%	0.0%	0.0%	67.5%
Missing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Invalid	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Female	0.0%	0.0%	15.5%	19.1%	0.0%	0.0%	0.0%	17.5%

All								
Clerk Asked for ID	Age							Total
	14	15	16	17	18	19	20	
Yes	0.0%	0.0%	5.1%	5.2%	0.0%	0.0%	0.0%	5.1%
No	0.0%	0.0%	57.7%	91.3%	0.0%	0.0%	0.0%	73.5%
Missing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Invalid	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Grand Total	0.0%	0.0%	14.6%	15.4%	0.0%	0.0%	0.0%	14.9%