# **ANNUAL SYNAR REPORT**

**42 U.S.C. 300x-26** OMB № 0930-0222

FFY 2016 State: MN

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OMB No. 0930-0222

Expiration Date: 05/31/2016

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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 2015 Compliance Progress) and future plans to ensure compliance with the Synar requirements to reduce youth tobacco access rates (FFY 2016 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 states¹ 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

<sup>&</sup>lt;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).

difficulties and successes in enforcing retailer compliance with youth tobacco access laws. 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, 2015 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 2016 Synar Survey Results: States that use the Synar Survey Estimation System (SSES) must upload one copy of SSES Tables 1–5 (in Excel) to WebBGAS. 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) 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.
- 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.

Additionally, the state must submit one signed original of the report (including the signed Funding Agreements/Certifications), as well as one additional copy of the signed Funding Agreements/Certifications, to the Grants Management Officer at the address below:

Grants Management Officer
Division of Grants Management
Office of Financial Resources
Substance Abuse and Mental Health Services Administration

### Regular Mail:

### Overnight Mail:

1 Choke Cherry Road, Rm.7-1091 Rockville, Maryland 20857 1 Choke Cherry Road, Rm.7-1091 Rockville, Maryland 20850

### FFY 2016: 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.

### PUBLIC HEALITH SERVICES ACT AND SYNAR AMENDMENT

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.

### SYNAR SURVEY SAMPLING METHODOLOGY

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 2016 is up-to-date and approved by the Center for Substance Abuse Prevention.

### SYNAR SURVEY INSPECTION PROTOCOL

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 2016 is up-to-date and approved by the Center for Substance Abuse Prevention.

| State: MN   |  |
|---|--|
| Name of Chief Executive Officer or Designee: Emily Johnson Piper      |  |
|   |  |
| Signature of CEO or Designee: *                                       |  |
| Title: Commissiones MN Dept. of Human Securices Date Signed: 01/06/16 |  |
| If signed by a designee, a copy of the designation must be attached.  |  |

| FFY: 2016 | State: <u>MN</u> |  |
|-----------|------------------|--|
|-----------|------------------|--|

## **SECTION I: FFY 2015 (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.              | acces<br>the la | s si<br>ast : | ndicate any changes or additions to the state tobacco statute(s) relating to youth nee the last reporting year. If any changes were made to the state law(s) since reporting year, please attach a photocopy of the law to the hard copy of the d also 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  Other change(s) (Please describe.) MN Statute 168.012 Subd 1 (J) use of |
|                 |                 |               | unmarked vehicles by DHS staff for the purpose of conducting tobacco inspections   |
|                 |                 | c.            | Have there been any changes in state law that impact the following?  |
|                 |                 |               | Licensing of tobacco vendors   |
|                 |                 |               | Penalties for sales to minors Yes No   |
|                 |                 |               | Vending machines   |
| 2.              | 42 U.           | .S.C          | the how the Annual Synar Report (see 45 C.F.R. $96.130(e)$ ) and the state Plan (see C. $300x-51$ ) were made public within the state prior to submission of the ASR. all that apply.)   |
|                 |                 |               | Placed on file for public review   |
| $\overline{FF}$ |                 |               | n a state agency Web site (Please provide exact Web address and the date when the SR was posted to this Web address.) <u>Posted December 11, 2015 to December 18,</u>  |
| htt             | p://wv          |               | dhs.state.mn.us/main/idcplg?IdcService=GET_DYNAMIC_CONVERSION&Revisi<br>Method=LatestReleased&dDocName=id_003465   |
|                 |                 |               | Notice published in a newspaper or newsletter  |

|    |          | 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   |
|    | webs     | Other (Please describe.) Posted on the Minnesota Prevention Resource Center ite December 11, 2015 – December 18, 2015 at: p://www.mnprc.org/annual-synar-report-ffy-2016  |
| 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:  |
|    |          | Minnesota Department of Human Services - Alcohol and Drug Abuse Division  |
|    |          | Has this changed since last year's Annual Synar Report?   |
|    |          | ☐ Yes ⊠ No  |
|    | b.       | The state agency (ies) responsible for conducting random, unannounced Synar inspections:  |
|    |          | Minnesota Department of Human Services - Alcohol and Drug Abuse Division  |
|    |          | 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):  |
|    |          | Municipal Police Departments and County Sheriffs' Departments   |
|    |          | Has this changed since last year's Annual Synar Report?   |
|    |          | ☐ Yes ⊠ No  |
| 4. |          | the following agencies and describe their relationship with the agency ible 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).  Minnesota Department of Health |
|    | 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.) <u>The Minnesota</u>   |
|           | Departments of Health and Human Services have conducted State Tobacco   |
|           | prevention and Control meetings between the two Departments for the purpose of  |
|           | information sharing and potential collaborations.   |
|           |   |
| <b>d.</b> | 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)). |
|           | Minnesota Department of Human Services - Alcohol and Drug Abuse Division  |
| <b>e.</b> | Has the responsible agency changed since last year's Annual Synar Report?  ☐ Yes ☑ No   |
| f.        | 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:                |
|           |   |
|           | Have a formal written memorandum of agreement   |
|           | Have an informal partnership  |
|           | Conduct joint planning activities   |
|           | Combine resources   |
|           | Have other collaborative arrangement(s) (Please describe.)  |
| g.        | 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 2015 (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 <i>and</i> state agencies.  |  |

b. The following items concern penalties imposed for all violations of state youth access to tobacco laws by <u>LOCAL AND/OR STATE LAW ENFORCEMENT AGENCIES</u> (this does not include enforcement of federal youth tobacco access <u>laws</u>). 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.

| RENALTY :  | OWNERS | CLERKS | TOTAL |
|--|--------|--------|-------|
| Number of citations issued   | 233    | 212    | 445   |
| Number of fines assessed   | 174    | 159    | 333   |
| Number of permits/licenses suspended   | 4      |        | 4     |
| Number of permits/licenses revoked   | 1      |        | 1     |
| Other (Please describe.) Minors cited: 609 Minors fined: 169 Minors warned in writing: 113 *Table includes responses from 172 agencies/ 69% of those 250 surveyed. |        |        |       |

| 0  | 970 Of those 250 Surveyed.  |
|----|---|
| c. | 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.   |
| d. | 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  |
|    | MN. Statute 461.12, subd. 5 states; "A licensing authority shall conduct unannounced compliance checks at least once each calendar year at each location where tobacco is sold to test compliance with section 609.685." However, fifteen of the one hundred seventy-two respondents to the Minnesota Tobacco Enforcement Survey responded that not every tobacco outlet within their jurisdiction will receive a tobacco compliance check during the year. |
| e. | What additional activities are conducted in your state to support enforcement and compliance with state youth tobacco access law(s)? (Check all that apply.)  |
|    | <ul> <li>✓ Merchant education and/or training</li> <li>✓ 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)</li> </ul>   |

f.

### 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 2015 (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 Yes            | ⊠ No  |
|    | methodo<br>Methodo | e is required to have an approved up-to-date description of the Synar sampling logy on file with CSAP. Please submit a copy of your Synar Survey Sampling plogy (Appendix B). If the sampling methodology changed from the previous g year, these changes must be reflected in the methodology submitted. |
|    |                    | nswer the following questions regarding the state's annual random, need 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 <b>Yes,</b> attach SSES summary tables 1, 2, 3, and 4 to the hard copy of the ASR and upload a copy of SSES tables 1–5 (in Excel) to WebBGAS. Then go to Question 8. If <b>No,</b> continue to Question 7b.  |
|    | <b>b.</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 <u>right limit</u> of the right-sided 95% confidence interval.  |
|    |                    | + (1.645 × ) =  RVR Estimate plus (1.645 times Standard Error) equals Right Lim   |
|    |                    | 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.) |
| Δ. | If stratification was used, did any strata in the sample contain only one outlet  |
| ٠. | 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?   |
| ı, | ·   |
|    | ☐ Yes ☐ No  |
|    | If <b>Yes</b> , 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   |
|    | Effective sample size (sample size needed to meet the SAMHSA precision requirement assuming simple random sampling)                                 |
|    | Target sample size (the product of the effective sample size and the design effect)   |
|    | Original sample size (inflated sample size of the target sample to counter the sample attrition due to ineligibility and noncompletion)             |
|    | Eligible sample size (number of outlets found to be eligible in the sample)   |
|    | Final sample size (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, an          | nswer the following questions about its coverage.   |
|    | a.                  | The calendar year of the latest frame coverage study: 2013  |
|    | b.                  | Percent coverage from the latest frame coverage study: 80.96%   |
|    | c.                  | Was a new study conducted in this reporting period?   |
|    |                     | □Yes ⊠ No   |
|    |                     | If <b>Yes,</b> 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: 2016  |
| 9. | Has the             | Synar survey inspection protocol changed from the previous year?  |
|    | X Yes               | □ No  |
|    | protocol<br>(Append | e is required to have an approved up-to-date description of the Synar inspection on file with CSAP. Please submit a copy of your Synar Survey Inspection Protocol lix C). If the inspection protocol changed from the previous year, these changes must sted in the protocol submitted. |
|    | a.                  | Provide the inspection period: From 10/01/14 to 09/30/15 MM/DD/YY MM/DD/YY  |
|    | b.                  | Provide the number of youth inspectors used in the current inspection year:   |
|    |                     | <u>19</u>   |
|    |                     | 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.  |
|    |                     |   |
|    | b.                  | 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 2016 (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   |  |  |  |  |  |
|    | 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 2016. 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.  |  |  |  |  |  |
|    | MN passed the Freedom to Breath Act, implemented 10/01/07, restricts smoking in public places.   |  |  |  |  |  |
|    | •Continued compliance checks in Counties and Municipalities as per state law.  |  |  |  |  |  |
|    | •Continued Department of Human Services Synar tobacco compliance checks using FDA and contracted inspectors.   |  |  |  |  |  |
|    | •Continued Department of Human Services FDA undercover buy compliance checks   |  |  |  |  |  |
|    | •Continued survey of Enforcement Agencies to access tobacco violation activity.  |  |  |  |  |  |
|    | •Distribute the FFY15 Annual Synar Report to the State Tobacco Prevention and Control  |  |  |  |  |  |
|    | Workgroup, Regional Prevention Coordinators (website), Minnesota Prevention Resource Center (website), Minnesota Department of Health (website), Minnesota Citizen's Advisory Council and News Release from the office of the Commissioner of Human Services.  •Conduct the "Congratulate and Educate" educational compliance check program where local law enforcement and/ or Public Health agencies are incentivized to conduct educational tobacco compliance checks and tobacco merchant education. |  |  |  |  |  |
|    | •No changes in youth access legislation are anticipated  |  |  |  |  |  |
| 3. | Describe any challenges the state faces in complying with the Synar regulation. (Check all that apply.)  |  |  |  |  |  |
|    | <ul> <li>☐ Limited resources for law enforcement of youth access laws</li> <li>☐ Limited resources for activities to support enforcement and compliance with youth tobacco access laws</li> <li>☐ Limitations in the state youth tobacco access laws</li> <li>☐ Limited public support for enforcement of youth tobacco access laws</li> <li>☐ Limitations on completeness/accuracy of list of tobacco outlets</li> </ul>  |  |  |  |  |  |

|             | Limited expertise in survey methodology  |
|-------------|--|
|             | Laws/regulations limiting the use of minors in tobacco inspections   |
|             | Difficulties recruiting youth inspectors   |
|             | Issues regarding the age balance of youth inspectors   |
| $\boxtimes$ | Issues regarding the gender balance of youth inspectors  |
|             | Geographic, demographic, and logistical considerations in conducting inspections Cultural factors (e.g., language barriers, young people purchasing for their elders) Issues regarding sources of tobacco under tribal jurisdiction Other challenges ( <i>Please list.</i> ) |
|             | efly describe all checked challenges and propose a plan for each, or indicate the te's need for technical assistance related to each relevant challenge.   |
| It is       | s more difficult to keep the gender balance of youth inspectors close to equal when  |
| usi         | ng FDA minors. The State plans on assigning inspections earlier and continuously   |
| mo          | nitoring completed inspections by gender to mitigate this issue.   |

#### 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 2016). 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 1 (Required for all states not using the Synar Survey Estimation System [SSES] to analyze the Synar Survey data.)

|             |                        |                             |                           |                                    | aryeof Sy                            | nar trispe                         | ction Res                             | ulis byest                  | ratum<br>Research         |                                    |                                      | State:<br>                         |                                    |
|-------------|------------------------|-----------------------------|---------------------------|------------------------------------|--------------------------------------|------------------------------------|---------------------------------------|-----------------------------|---------------------------|------------------------------------|--------------------------------------|------------------------------------|------------------------------------|
| (           | 1)                     |                             | (2)                       | :                                  |                                      | (3)                                |                                       |                             | (4)                       |                                    | <u> </u>                             | (5)                                |                                    |
| STRA        | ATUM                   |                             | R OF OUT                  |                                    | ELIGI                                | ATED NUM<br>BLE OUTLI<br>OPULATIO  | ETS IN                                |                             | BER OF OU<br>INSPECTED    |                                    | VIOL                                 | OUTLETS F<br>ATION DU<br>ISPECTION | RING                               |
| (a)<br>Row# | (b)<br>Stratum<br>Name | (a) Over-the- Counter (OTC) | (b) Vending Machines (VM) | (c)<br>Total<br>Outlets<br>(2a+2b) | (a)<br>Over-the-<br>Counter<br>(OTC) | (b)<br>Vending<br>Machines<br>(VM) | (c)<br>Total<br>Outlets<br>(3a+3b)    | (a) Over-the- Counter (OTC) | (b) Vending Machines (VM) | (c)<br>Total<br>Outlets<br>(4a+4b) | (a)<br>Over-the-<br>Counter<br>(OTC) | (b)<br>Vending<br>Machines<br>(VM) | (c)<br>Total<br>Outlets<br>(5a+5b) |
|             |                        |                             |                           |                                    |                                      |                                    |                                       |                             |                           |                                    |                                      |                                    |                                    |
|             |                        |                             |                           |                                    |                                      |                                    |                                       |                             |                           |                                    |                                      |                                    |                                    |
|             |                        |                             |                           |                                    |                                      |                                    | , , , , , , , , , , , , , , , , , , , |                             |                           |                                    |                                      |                                    |                                    |
|             |                        |                             |                           |                                    |                                      |                                    |                                       |                             |                           |                                    |                                      |                                    |                                    |
|             | <u> </u>               |                             |                           |                                    |                                      |                                    |                                       |                             |                           |                                    |                                      |                                    |                                    |
|             |                        |                             |                           |                                    |                                      |                                    |                                       |                             |                           |                                    |                                      |                                    |                                    |
|             |                        |                             | <u> </u>                  |                                    |                                      | <u> </u>                           | <u> </u>                              | <u> </u>                    |                           |                                    | !<br>                                | ,                                  |                                    |
|             |                        |                             |                           |                                    |                                      |                                    |                                       |                             |                           |                                    |                                      |                                    |                                    |
|             |                        | <u> </u>                    |                           |                                    |                                      |                                    |                                       |                             |                           | l                                  |                                      |                                    |                                    |

RECORD COLUMN TOTALS ON LAST LINE (LAST PAGE ONLY IF MULTIPLE PAGES ARE NEEDED).

#### 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 2016).

- 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.

|                        |   |                                     | A STATE OF THE STA | ulation of X                       | ergined Retai   | ler Violation                              | Rates:  |   | State: ** EFY: 2016.                                |   |
|------------------------|---|-------------------------------------|--|------------------------------------|---|--|---|---|---|---|
| (1)<br>Stratum<br>Name | (2) N Number of Outlets in Sampling Frame | (3)<br>n<br>Original<br>Sample Size | (4) n1 Number of Sample Outlets Found Eligible   | (5) n2 Number of Outlets Inspected | (6)<br>x<br>Number of<br>Outlets<br>Found<br>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)<br>s.e.<br>Standard<br>Error of<br>Stratum RVR |
|                        |   |                                     |  |                                    |   |  |   |   |   |   |
|                        |   |                                     |  |                                    | ,   |  |   |   |   |   |
| Za ojsi                |   |                                     |  |                                    |   |  |   |   |   |   |

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 2016).

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.

| le control  | Survey of Actions   |                                  |                                   |   |
|-------------|---------------------|----------------------------------|-----------------------------------|---|
|             | Summary of Clusters |                                  |                                   |   |
|             |                     |                                  | DFY: 2016(1992)                   |   |
|             |                     |                                  |                                   |   |
| (1)<br>Row# | (2)<br>Stratum Name | (3)<br>Number of PSUs<br>Created | (4)<br>Number of PSUs<br>Selected | (5)<br>Number of PSUs<br>in the Final<br>Sample |
|             |                     |                                  |                                   |   |
|             |                     |                                  |                                   |   |
|             |                     |                                  |                                   |   |
|             |                     |                                  |                                   |   |
|             |                     |                                  | 1.                                |   |
|             |                     |                                  |                                   |   |
|             |                     |                                  |                                   |   |
|             |                     |                                  |                                   |   |
|             |                     |                                  |                                   |   |
|             | Total               |                                  |                                   |   |

# 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 2016).

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."

| in the low marked Total  | <b>41.</b>    |   |               |
|--|---------------|---|---------------|
| Inspection Fallies b   |               | of Aneligibility of Noncompletion.  State  FFV 2016     |               |
| (II) (II) (II) (III) (IIII) (III) (III) (III) (III) (IIII) (IIII) (IIII) (III) (III) (IIII) (III) (III) (III) (III) (III |               | (2)<br>ELIGIBLE   |               |
| Reason for Ineligibility   | (a)<br>Counts | Reason for Noncompletion                                | (a)<br>Counts |
| 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) (Describe.)               |               |
| Other ineligibility reason(s) (Describe.)  |               |   |               |
| Total  |               | Total   |               |

# 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 2016).

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.

|                        | Synan Survey Inspector Charac | toristicsk<br>State:   |
|------------------------|-------------------------------|--|
|                        |                               | FFY: 2016 \$   |
|                        | (1)<br>Attempted Buys         | (2)<br>Successful Buys   |
| Male                   |                               |  |
| 15 years               |                               |  |
| 16 years               |                               |  |
| 17 years               |                               |  |
| 18 years               |                               |  |
| Male Subtotal          |                               |  |
| Female                 |                               |  |
| 15 years               |                               |  |
| 16 years               |                               |  |
| 17 years               |                               |  |
| 18 years at the second |                               | Carlos Ca |
| Female Subtotal        |                               |  |
| Other                  | ,                             |  |
| ilgial 1995            |                               |  |

### 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).

## APPENDIX B: SYNAR SURVEY SAMPLING METHODOLOGY

|             |   |                                     |   |   | e: <u>MN</u>   |
|-------------|---|-------------------------------------|---|---|--|
|             |   |                                     |   | FFY   | 7:_2016  |
| 1           | What type of sar  | mnling f                            | frame is used?  |   |  |
| 1.          |   |                                     | o Question 2.)  |   |  |
|             | <u></u>   | •                                   | to Question 3.)   |   |  |
|             | <u></u>   | •                                   | a frame (Go to Ques   | ction 2)  |  |
| 2.          | a brief descripti<br>including how n<br>how often the lis | on of the<br>new outle<br>sts are u | e frame source. Exects are identified an pdated (cycle). (Aft                       | plain how the lists 1d added to the fra ter completing this                   | from the list below. Provide s are updated (method), ame. In addition, explain question, go to Question 4.)      |
|             | 1 – Statewide<br>2 – Local cor                            | commercial t                        | umber to indicate Type<br>cial business list<br>business list<br>icense/permit list | of Source in the table 4 – Statewide retail li 5 – Statewide liquor 6 – Other | icense/permit list   |
| <b>\</b> an | neof Frame Source   | Lype of<br>Source                   | Descr   | iption May 2 de   | Updating Method and Cycle  |
|             | Tobacco Inspection agement System (S)                     | 6                                   | List of all licensed tob state of Minnesota   | acco retailers in the   | Updating is continually ongoing. Updates come from in-person inspections and city/ county tobacco retailer lists |
|             |   |                                     |   |   |  |
|             |   |                                     |   |   |  |
| 3.          | If an area frame  | e is used                           | , describe how area   | a sampling units a  | re defined and formed.   |
|             | Yes   | Nowhat per                          |   |   | me? tovered by the area frame?   |
| 4.          | _   |                                     | ires that vending n<br>chines included in   | <del>=</del>  | eted as part of the Synar  |

|    | If <b>No</b> , 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.) Special Note under Question #4: MN State law bans vending machines in locations accessible to youth. Minnesota's list frame does not indicate whether the product is sold over the counter or through a vending machine Therefore, if an outlet chosen for the Synar sample happens to be a vending machine outlet, it is inspected in order to determine compliance with State law. No establishments with vending machines were randomly selected for inspection. |
| 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. | <b>Describe the systematic sampling methods.</b> (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.  |
|    |  |
|    | b. Is clustering used within the stratified sample?  |
|    | Yes (Go to Question 8.)  |
|    | No (Go to Question 9.)   |

|        | 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. Pro | ovide | 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.)  |
|        |       | $\square$ <b>No</b> (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.   |
|        |       | e the following information about sample size calculations for the current FFY survey.  |
|        | 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: 4.9%   |
|        |       | Frame Size: 4,277   |
|        |       | Input for Target Sample Size: Design Effect: 1  |
|        |       | Inputs for Original Sample Size: Safety Margin: 75%   |
|        |       | Accuracy (Eligibility) Rate: 93.6% Completion Rate: 97.3%   |

| 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:  |
|----|--|
| 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

State: MN

|     |             | FFY: 2016  |
|-----|-------------|--|
| Ins | spection I  | nd to WebBGAS a copy of the Synar inspection form under the heading "Synar<br>Form" and a copy of the protocol used to train inspection teams on conducting and<br>the results of the Synar inspections under the heading "Synar Inspection Protocol." |
| 1.  | How do      | es 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:   |
|     | 4           | 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:   |
|     |             | ☐ Not permitted  |
| 2.  |             | the agency(ies) or entity(ies) that actually conduct the random, unannounced inspections of tobacco outlets. (Check all that apply.)   |
|     |             | Law enforcement agency(ies)  |
|     | $\boxtimes$ | State or local government agency(ies) other than law enforcement   |
|     |             | Private contractor(s)  |
|     |             | Other Other  |
|     |             | st the agency name(s): The Minnesota Department of Human Services, Alcohol nd Drug Abuse staff/FDA Inspectors  |

| ٥. | 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?   |
|    | <ul><li>☐ Cigarettes</li><li>☐ Small Cigars/Cigarillos</li><li>☐ Smokeless Tobacco</li><li>☐ Other</li></ul>  |
|    | b. Describe the protocol for identifying what types of products and what brands of products are requested during an inspection.   |
|    | Per the inspection protocol Youth Inspectors should attempt to purchase Marlboro cigarettes. This type and brand of tobacco should remain consistent for all inspections.   |
| 5. | Describe the methods used to recruit, select, and train youth inspectors and adult supervisors.   |
|    | Adult Inspectors are state staff who also conduct FDA Tobacco Inspections. Minors are recruited by state staff to conduct FDA inspections.  |
| 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 <b>Yes</b> , please describe.)  |
|    | Minnesota Statute 609.685 Sub 3 states; "whoever possesses, smokes, chews, or otherwise ingests, purchases, or attempts to purchase tobacco or tobacco related devices and is under the age of 18 years is guilty of a petty misdemeanor." Exceptions: The use of minors to conduct tobacco compliance checks in Minnesota remains allowable under Minnesota Law. Minnesota Statutes 609.685 Sub 5(b) which states; "The penalties in this section do not apply to a person under the age of 18 years who purchases or attempts to purchase tobacco or tobacco-related devices while under the direct supervision of a responsible adult for training, education, research, or enforcement purposes." |
|    | b. Procedural   |
|    | ☐ Yes ⊠ No  |
|    | (If <b>Yes,</b> please describe.)   |

|          | re specific legal or procedural requirements instituted by the state to address e of the safety of youth inspectors during all aspects of the Synar inspection   |
|----------|--|
| a.       | Legal  |
|          | ☐ Yes ⊠ No   |
|          | (If <b>Yes</b> , please describe.)   |
|          |  |
| b.       | Procedural   |
|          | ⊠ Yes □ No   |
|          | (If <b>Yes</b> , please describe.)   |
|          | Procedurally adult inspectors are instructed the inspection should not be conducted if the adult or youth inspector perceive the site as unsafe. The adult inspector is to enter the establishment prior to the youth to access the safety of the environment and not to leave until the youth has safely left. Minors have a key top the vehicle, so they can let themselves in and lock the door if necessary prior to the adult inspector arriving back at the vehicle. Minors do not use ID's as a safety precaution, so retailers do not have access to their name and address. |
| inspecti | re any other legal or procedural requirements the state has regarding how ons are to be conducted (e.g., age of youth inspector, time of inspections, that must occur)?  |
| a.       | Legal  |
|          | ⊠ Yes □ No   |
|          | (If <b>Yes</b> , please describe.)   |
|          | Compliance checks must involve minors over the age of 15, but under the age of 18 with prior written consent of a parent or guardian.  |
| b.       | Procedural   |
|          | ⊠ Yes □ No   |
|          | (If <b>Yes,</b> please describe.)  |
|          | All youth inspectors are trained in a face to face training and participate in training inspections prior to conducting Synar inspections.   |
|          | he issue process?  a.  b.  Are the inspectitraining  a.  |

## APPENDIX D: LIST SAMPLING FRAME COVERAGE STUDY

(LIST FRAME ONLY)

|                      | State: MN<br>FFY: 2015   |
|----------------------|--|
| Calend               | ar year of the coverage study: 2013  |
| a.<br>b.<br>c.<br>d. | Unweighted percent coverage found: 80.99% Weighted percent coverage found: 80.96% Number of outlets found through canvassing: 142 Number of outlets matched on the list frame: 115   |
| a                    | Describe how areas were defined. (e.g., census tracts, counties, etc.)   |
|                      | The areas were 1,338 census tracts which together cover 100% of the state.   |
| b                    | Were any areas of the state excluded from sampling?  |
|                      | ☐ Yes ⊠ No   |
|                      |  |
|                      | If <b>Yes,</b> please explain.   |
|                      | If <b>Yes,</b> please explain.   |
| Please               | If Yes, please explain.  answer the following questions about the selection of canvassing areas.   |
|                      |  |
|                      | answer the following questions about the selection of canvassing areas.  |
|                      | answer the following questions about the selection of canvassing areas.  Which category below best describes the sample design? (Check only one.)  |
|                      | answer the following questions about the selection of canvassing areas.  Which category below best describes the sample design? (Check only one.)  Census (Go to Question 6.)  |
|                      | answer the following questions about the selection of canvassing areas.  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.)  |
|                      | answer the following questions about the selection of canvassing areas.  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.)   |
|                      | answer the following questions about the selection of canvassing areas.  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.)  |
|                      | answer the following questions about the selection of canvassing areas.  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.)  Multistage cluster sample (Respond to Parts b and d.)  Multistage cluster sample (Respond to Parts b and d.)  Stratified sample:  |
|                      | answer the following questions about the selection of canvassing areas.  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.)  |
|                      | answer the following questions about the selection of canvassing areas.  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.)  |
|                      | answer the following questions about the selection of canvassing areas.  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 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.)  Systematic 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.) |
|                      | answer the following questions about the selection of canvassing areas.  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.)  |

b. Describe the sampling methods.

We divided the state into an urban stratum and a rural stratum (described more below.) We drew a simple random sample of 18 census tracts from the urban stratum and we similarly drew a simple random sample of 16 census tracts from the rural stratum.

|    | '          | Provide a full description of the strata that were created.   |
|----|------------|---|
|    | [          | There were two strata: an urban stratum and a rural stratum.  |
|    |            | The urban stratum was defined as the seven counties comprising the Twin Cities (Minneapolis and St. Paul) metropolitan area. This is a very standard convention for Minnesota. These seven counties (Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington) have a population of 2,919,177 (54% of the total). They have 704 (53% of the total) federal census tracts. |
|    |            | The rural stratum was defined the remaining 80 counties in Minnesota that are not part of the Twin Cities 7-county metro area. These 80 counties have a population of 2,459,962 (46 % of the total). They have 634 (47% of the total) federal census tracts.  |
|    |            | Together, the 2 strata cover 100% of the state of Minnesota.  |
|    |            | See the response to question 12 for a description of how the weights for each of the strata were calculated.  |
|    | d.         | Provide a full description of how clusters were formed.  Not applicable.  |
| 5. | Were bo    | orders of the selected areas clearly identified at the time of canvassing?  |
| 6. | Were al    | l sampled areas visited by canvassing teams?  |
|    | <b>Yes</b> | (Go to Question 7.) 🔲 <b>No</b> (Respond to Parts a and b.)   |
|    | a.         | Was the subset of areas randomly chosen?  |
|    |            | ☐ Yes ☐ No  |
|    | ъ.         | Describe how the subsample of visited areas was drawn. Include the number of areas sampled and the number of areas canvassed.   |
|    |            |   |
| 7. | Were fi    | eld observers provided with a detailed map of the canvassing areas?   |
|    | X Yes      |   |
|    | If No, de  | escribe the canvassing instructions given to the field observers.   |
|    |            |   |
|    |            |   |

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

| X Yes  | □ No  |  |  |
|--|---|--|--|
| If <b>No</b> , respond to Question 9. If <b>Yes</b> , describe any instructions given to the field observers to ensure the entire area we canvassed, then go to Question 10. |   |  |  |
| tracking<br>Trips, 2<br>the field<br>which severy n<br>compre  | tract, with borders clearly drawn on both the electronic maps in bright red. A GPS g device that was part of the electronic mapping software (Microsoft's Streets and 2013) was used in the vehicle. It marked roads with a blue line as they were driven on d observers. This made it extremely clear as to which roads had been canvassed and still needed to be canvassed. Field observers were explicitly instructed to canvass nile of every road in the sampled areas. The field observers had a motivation to be chensive because they were staff persons at the Department of Revenue, and they are sible for the collection of special taxes. Tobacco license fees are one these special |  |  |
| A guida  | ance document received from SAMHSA/CSAP on March 4, 2010, stipulates that   |  |  |
| 1  | "States should indicate whether or not they canvass both sides of roads that act as borders for the selected area and if canvassers are walking or driving."  |  |  |
| selected<br>they was<br>sold. It<br>return t   | Accordingly, note that we elected to canvass both sides of roads that formed the borders of selected census tracts. The canvassing teams drove down all roads in the selected tracts, and they walked into any properties where there was any chance that tobacco products might be sold. If the property was closed at the time the canvassing team visited it, the team would return to it later when it was open. If this was not feasible, the team would contact the outlet by phone to get the necessary information.   |  |  |
| n te e 1   | D   |  |  |
|  | ll canvassing was not conducted:  |  |  |
|  | . How many predetermined outlets were to be observed in each area?  |  |  |
|  | What were the starting points for each area?  |  |  |
| C.   | Were these starting points randomly chosen?   |  |  |
|  | Yes No  |  |  |
| a  | . Describe the selection of the starting points.  |  |  |
|  |   |  |  |
| e  | Please describe the canvassing instructions given to the field observers, including predetermined routes.   |  |  |
|  |   |  |  |
| 10 Dasawi  | be the process field observers used to determine if an outlet sold tobacco.   |  |  |
|  | the field observers passed any property where there was any likelihood at all that  |  |  |
| tobacco<br>asked i   | o products might be sold, they stopped at the property and entered the property and f tobacco products were sold. If so, they asked to see the license. They took the name outlet, the name of the owner, the tobacco sales license number, and the phone   |  |  |

number. All of this information was entered on a spreadsheet provided to the Department of Human Services for coverage-study-analysis purposes

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).

The DHS staff person who analyzed the results developed a set of conventions for determining when an outlet identified in the coverage survey could be defined as having a match on the list frame used for the Annual Synar Survey. The theory underlying the set of conventions was this: If an outlet found in the coverage study is determined to match an outlet on the list frame, then it must be the case that, if the outlet on the list frame that is said to correspond to the coverage-study-found outlet were drawn into a random sample for Annual Synar Survey purposes, the team that would be charged to do the Synar inspection of that outlet would easily find its way to the outlet identified in the coverage study. This and all other conventions were taken in order to match to previously approved coverage studies undertaken by the State.

The theory seems hard to state succinctly, but it is easy to illustrate with a previous example from the 2010 coverage study. The coverage study team found "Sunshine Foods, 7 East Main Street, Madelia, MN." The DHS coverage study analyst determined that the list frame entry "Madelia Foods, 7 East Main Street, Madelia, MN" was an adequate match to the found outlet. The reasoning was: if "Madelia Foods, 7 East Main Street, Madelia, MN" was drawn into a random sample for Synar Survey purposes, the inspection team would easily know that they should inspect "Sunshine Foods, 7 East Main Street, Madelia, MN." In actual practice, the Synar Survey teams encounter such name changes and it is routine for them to proceed to do the inspection. Therefore, this coverage-study outlet was said to have a match on the list frame.

The examples below are from the 2007 coverage study, but they illustrate conventions followed for the 2013 coverage study as well.

If the business name and address of the found tobacco outlet was identical to the business name and address on the list frame, then the found outlet and the list-frame outlet were defined to be a perfect match.

If there was a discrepancy between the found-outlet information and the list-frame information, but it was believed that an annual Synar Survey adult-juvenile inspection team would easily be able to resolve the discrepancy, then the partially discrepant pair of outlets were defined to be a matching pair.

For example, the Coverage Survey found:

Cub Foods, 2410 Pokegama Ave. S., Grand Rapids MN.

However, the apparent corresponding entry on the list frame was:

Cub Foods, 2140 Pokegama Ave. S., Grand Rapids MN

Cub Foods is a huge supermarket. There is a Cub Foods at 2410 Pokegama Ave S., and there is not a Cub Foods at 2140 Pokegama Ave. S. It was believed that if they were faced with this discrepancy, a Synar Survey inspection team would easily be able to resolve the discrepancy and perform the compliance check. Therefore, the found outlet and the similar list-frame outlet were defined to be a matching pair.

If there was a discrepancy between the found outlet and a similar-appearing outlet on the list frame, but the DHS staff person comparing the two lists could not feel confident that a Synar Inspection team could easily and positively resolve the discrepancy, then the found-outlet was defined as not matching the list frame outlet.

For example, the coverage study found

Casey's General Store, 11000 57th St NE, Albertville, MN 55301.

There was the following outlet on the list frame:

Casey's General Store, 1100 57th St NE, Albertville, MN 55301

In this case, the true address (using an online phone directory) appears to be 11000 57th Street NE. The list-frame address of 1100 must be a typo. But the DHS staff person could not be confident that an annual Synar survey inspection team could positively know that the list frame address was a simple typo.

Also, Casey's General Store is a franchise with many stores throughout Minnesota. If the list-frame entry shown above was drawn for annual Synar survey purposes, an inspection team might not be able to know with confidence which of possibly several Casey's General Stores in an area might be the one intended for Synar Survey purposes. Therefore, this found outlet was defined as not having a match on the list frame.

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

Page 15 of CSAP's "Guide for a Synar Sampling Frame Coverage Study" (January, 2006) provides a formula for calculating percent coverage as follows:

$$C = 100 [(\sum wb)/(\sum wn)]$$

Where: C = percent coverage, and

k = number of sampled areas (Minnesota selected 34 census tracts), and

w = the weight associated with a sample area, based on the stratum the area is in, and

b = "... the number of outlets found from the field canvassing for which a match was found in the frame files for each sample area...", and

n = "...the number of outlets found from the field canvassing for each sample area....".

We used simple random sampling within strata. The "Guide..." advises that for such sampling, the urban sampling weight should be calculated as:

Ku/ku

Where Ku = areas in the urban stratum (there were 704 census tracts in the metro area), and ku = number areas of areas sampled from the urban stratum (we selected 18 urban census tracts).

Thus, the urban sampling weight is: 704 / 18 = 39.11.

The guidance document advises that the rural sampling weight should be calculated as:

Kr/kr

Where Kr = areas in the rural stratum (there are 634 census tracts in the Greater Minnesota area), and

kr = number of areas sampled from the rural stratum (we selected 16 rural census tracts).

Thus, the rural sampling weight is: 634 / 16 = 39.63.

Entering values obtained from the 2013 Minnesota coverage survey into the formula produces the table shown below, in which the parenthesized column headings have the following meanings:

- 1. Tract number
- 2. Designation of whether the tract is in the urban or rural stratum
- 3. Number of census tracts in the stratum
- 4. Number of tracts sampled from stratum
- 5. Weight associated with the stratum, calculated as shown above
- 6. Outlets found in the tract that have a match on the list frame
- 7. Column 6 multiplied by column 5 = the weighted number of found outlets that have a match on the list frame
- 8. Total number of outlets found in the tract by the field observers
- 9. Column 8 multiplied by column 5 = the weighted total of outlets found in the tract

Please note that all values in the table are rounded to two decimal places. This is only for display purposes, and the actual numeric values used in calculations within the cells are as specific as possible (that is, they contain the actual fraction or formula-such as 704/18).

| 1  | 2     | 3   | 4  | 5     | 6 | 7      | 8 | 9        |
|----|-------|-----|----|-------|---|--------|---|----------|
| }  |       |     |    |       |   |        |   | <b>4</b> |
| 1  | Urban | 704 | 18 | 39.11 | 3 | 117.33 | 3 | 117.33   |
| 2  | Urban | 704 | 18 | 39.11 | 3 | 117.33 | 3 | 117.33   |
| 3  | Urban | 704 | 18 | 39.11 | 5 | 195.56 | 6 | 234.67   |
| 4  | Urban | 704 | 18 | 39.11 | 2 | 78.22  | 2 | 78.22    |
| 5  | Urban | 704 | 18 | 39.11 | 2 | 78.22  | 3 | 117.33   |
| 6  | Urban | 704 | 18 | 39.11 | 4 | 156.44 | 5 | 195.56   |
| 7  | Urban | 704 | 18 | 39.11 | 2 | 78.22  | 2 | 78.22    |
| 8  | Urban | 704 | 18 | 39.11 | 1 | 39.11  | 1 | 39.11    |
| 9  | Urban | 704 | 18 | 39.11 | 1 | 39.11  | 1 | 39.11    |
| 10 | Urban | 704 | 18 | 39.11 | 6 | 234.67 | 6 | 234.67   |
| 11 | Urban | 704 | 18 | 39.11 | 2 | 78.22  | 3 | 117.33   |

| 12 | Urban | 704 | 18 | 39.11 | 5  | 195.56 | 5  | 195.56 |
|----|-------|-----|----|-------|----|--------|----|--------|
| 13 | Urban | 704 | 18 | 39.11 | 2  | 78.22  | 4  | 156.44 |
| 14 | Urban | 704 | 18 | 39.11 | 4  | 156.44 | 4  | 156.44 |
| 15 | Urban | 704 | 18 | 39.11 | 11 | 430.22 | 14 | 547.56 |
| 16 | Urban | 704 | 18 | 39.11 | 3  | 117.33 | 5  | 195.56 |
| 17 | Urban | 704 | 18 | 39.11 | 3  | 117.33 | 3  | 117.33 |
| 18 | Urban | 704 | 18 | 39.11 | 2  | 78.22  | 2  | 78.22  |
| 19 | Rural | 634 | 16 | 39.63 | 8  | 317.00 | 9  | 356.63 |
| 20 | Rural | 634 | 16 | 39.63 | 3  | 118.88 | 3  | 118.88 |
| 21 | Rural | 634 | 16 | 39.63 | 4  | 158.50 | 4  | 158.50 |
| 22 | Rural | 634 | 16 | 39.63 | 2  | 79.25  | 3  | 118.88 |
| 23 | Rural | 634 | 16 | 39.63 | 1  | 39.63  | 1  | 39.63  |
| 24 | Rural | 634 | 16 | 39.63 | 2  | 79.25  | 2  | 79.25  |
| 25 | Rural | 634 | 16 | 39.63 | 3  | 118.88 | 4  | 158.50 |
| 26 | Rural | 634 | 16 | 39.63 | 1  | 39.63  | 1  | 39.63  |
| 27 | Rural | 634 | 16 | 39.63 | 3  | 118.88 | 3  | 118.88 |
| 28 | Rural | 634 | 16 | 39.63 | 3  | 118.88 | 3  | 118.88 |
| 29 | Rural | 634 | 16 | 39.63 | 2  | 79.25  | 4  | 158.50 |
| 30 | Rural | 634 | 16 | 39.63 | 7  | 277.38 | 7  | 277.38 |
| 31 | Rural | 634 | 16 | 39.63 | 4  | 158.50 | 7  | 277.38 |
| 32 | Rural | 634 | 16 | 39.63 | 1  | 39.63  | 6  | 237.75 |
| 33 | Rural | 634 | 16 | 39.63 | 4  | 158.50 | 6  | 237.75 |
| 34 | Rural | 634 | 16 | 39.63 | 6  | 237.75 | 7  | 277.38 |

Total outlets found through canvassing that were determined to have a match on the list frame = 115

Total outlets found through canvassing = 142

Weighted sum of outlets found that have a match on the list frame = 4525.53

Weighted sum of total outlets found through canvassing = 5589.75

Weighted Coverage percentage estimate = C = 100 (4525.53 / 5589.75)

= 80.96

= 81%

## **APPENDIX E: SSES SUMMARY TABLES**

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

#### **CSAP-SYNAR REPORT**

| Cento                     | MN                      |
|---------------------------|-------------------------|
| Federal Fiscal Year (FEY) | 2016                    |
| Date                      | 10/23/2015 9:32         |
| Data                      | synar2016_Data.xlsx     |
| Analysis Option           | Stratified SRS with FPC |

#### **Estimates**

| Unweighted Retailer Violation Rate   | 8.1%          |
|--------------------------------------|---------------|
| Weighted Retailer Violation Rate     | 8.1%          |
| Standard Error                       | 1.7%          |
| Is SAMHSA Precision Requirement met? | YES           |
| Right-sided 95% Confidence Interval  | [0.0%, 10.9%] |
| Two-sided 95% Confidence Interval    | [4.7%, 11.5%] |
| Design'Effect                        | 1.0           |
| Accuracy Rate (unweighted)           | 95.8%         |
| Accuracy Rate (weighted)             | 95.8%         |
| Completion Rate (unweighted)         | 93.6%         |

Sample Size for Current Year

| Julipic Size for Carrone room |      |  |
|-------------------------------|------|--|
| Effective Sample Size         | 136  |  |
| Tärget (Minimum) Sample Size  | 136  |  |
| Original Sample Size          | 262  |  |
| Eligible Sample Size          | 251  |  |
| Final Sample Size             | 235  |  |
| Overall Sampling Rate         | 5.8% |  |

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

STATE: MN FFY: 2016

| Samp.<br>Stratum | Vari<br>Stratum  | Outlet<br>Frame<br>Size | Estimated<br>Outlet<br>Population<br>Size | Number<br>of PSU<br>Clusters<br>Created | Number<br>of PSU<br>Clusters<br>in<br>Sample | Outlet<br>Sample<br>Size | Number<br>"of<br>Eligible<br>Outlets<br>in<br>Sample | Number<br>of<br>Sample :<br>Outlets<br>Inspected | Number<br>of<br>Sample<br>Outlets<br>in<br>Violation | Retailer<br>Violation<br>Rate(%) | Standard<br>Error(%) |  |
|------------------|------------------|-------------------------|---|---|--|--------------------------|--|--|--|----------------------------------|----------------------|--|
|                  |                  |                         |   |   | All C  | Outlets                  | <u>.</u>   |  |  |                                  |                      |  |
| 1                | 1                | 4,277                   | 4,097                                     | N/A                                     | N/A  | 262                      | 251  | 235  | 19   | 8.1%                             | ·                    |  |
| Total            |                  | 4,277                   | 4,097                                     |   |  | 262                      | 251  | 235  | 19   | 8.1%                             | 1.7%                 |  |
|                  |                  |                         |   | Ov                                      | er the Co                                    | unter Ou                 | tlets  |  |  |                                  |                      |  |
| 1                | 1                | 4,277                   | 4,097                                     | N/A                                     | N/A  | 235                      | 235  | 235  | 19   | 8.1%                             |                      |  |
| Total            |                  | 4,277                   | 4,097                                     |   |  | 235                      | 235  | 235  | 19   | 8.1%                             | 1.7%                 |  |
|                  | Vending Machines |                         |   |   |  |                          |  |  |  |                                  |                      |  |
| 1                | 1                | 0                       | 0   | N/A                                     | N/A  | 0                        | 0  | 0  | 0  | 0.0%                             |                      |  |
| Total            |                  | 0                       | 0   |   |  | 0                        | 0  | 0  | 0  | 0.0%                             | 0.0%                 |  |

Note: There are some records with unknown outlet type. Therefore the overall counts may not equal the sum of OTC and VM counts.

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

STATE: MN

FFY: 2016

| Disposition Code                 | - Description  | Count | Subtota: |
|----------------------------------|--|-------|----------|
| EC                               | Eligible and inspection complete outlet                | 235   |          |
| Total (Eligible Completes)       |  |       | 235      |
| N1                               | In operation but closed at time of visit               | 3     |          |
| N2                               | Unsafe to access                                       | 0     |          |
| N3                               | Presence of police                                     | 0     |          |
| N4                               | Youth inspector knows salesperson                      | 1     |          |
| 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 (see below)                        | 12    |          |
| Total (Eligible<br>Noncompletes) |  |       | 16       |
| 11                               | Out of Business  | 3     |          |
| 12                               | Does not sell tobacco products                         | 5     |          |
| 13                               | Inaccessible by youth                                  | 3     |          |
| 14                               | Private club or private residence                      | 0     |          |
| 15                               | Temporary closure                                      | 0     |          |
| 16                               | Can't be located                                       | 0     |          |
| 17                               | Wholesale only/Carton sale only                        | 0     |          |
| 18                               | Vending machine broken                                 | 0     |          |
| 19                               | Duplicate  | 0     |          |
| 110                              | Other ineligibility                                    | 0     |          |
| Total (Ineligibles)              |  |       | 11       |
| Grand Total                      |  |       | 262      |

## Give reasons and counts for other

Noncompletion:

| <sup>FL</sup> (Reason               | Count |
|-------------------------------------|-------|
| age range outside of Synar protocol | 6     |
| on holdFDA                          | 6     |

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

STATE: MN FFY: 2016

### **Frequency Distribution**

| Gender :    | Åge      | Number of Inspectors | Attempted<br>Buys | Successful<br>Buys |
|-------------|----------|----------------------|-------------------|--------------------|
| Male        | 14       | 0                    | 0                 | 0                  |
|             | 15       | 0                    | 0                 | 0                  |
|             | 16       | 11                   | 128               | 7                  |
|             | 17       | 0                    | 0                 | 0                  |
|             | 18       | 0                    | 0                 | 0                  |
|             | Subtotal | 11                   | 128               | 7                  |
| Female      | 14       | 0                    | 0                 | 0                  |
|             | 15       | 0                    | 0                 | 0                  |
|             | 16       | 8                    | 107               | 12                 |
|             | 17       | . 0                  | 0                 | 0                  |
|             | 18       | 0                    | 0                 | 0                  |
|             | Subtotal | 8                    | 107               | 12                 |
| Other       |          | 0                    | 0                 | 0                  |
| Grand Total |          | 19                   | 235               | 19                 |

### Buy Rate in Percent by Age and Gender

| Age 1 | . Male | Female : | Total |
|-------|--------|----------|-------|
| 14    | 0.0%   | 0.0%     | 0.0%  |
| 15    | 0.0%   | 0.0%     | 0.0%  |
| 16    | 5.5%   | 11.2%    | 8.1%  |
| 17    | 0.0%   | 0.0%     | 0.0%  |
| 18    | 0.0%   | 0.0%     | 0.0%  |
| Other |        |          | 0.0%  |
| Total | 5.5%   | 11.2%    | 8.1%  |

|        |          | Population<br>Size in |          | Population<br>Size in | Response    |           |        | Youth           | Youth     |
|--------|----------|-----------------------|----------|-----------------------|-------------|-----------|--------|-----------------|-----------|
| Outlet | Sampling | Sampling              | Variance | Variance              | Dispostiton | Violation | Outlet | Inspector       | Inspector |
| ID     | Stratum  | Stratum               | Stratum  | Stratum               | Code        | Flag      | Туре   | ID <sup>'</sup> | Gender    |
| 1      | 1        | 4277                  | 1        | 4277                  | N9          |           | unk    |                 |           |
| 2      | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 215             | F         |
| 3      | 1        | 4277                  | 1        | 4277                  | EC          | 0         | отс    | 215             | F         |
| 4      | 1        | 4277                  | 1        | 4277                  | 12          |           | unk    |                 |           |
| 5      | 1        | 4277                  | 1        | 4277                  | N1          |           | unk    |                 |           |
| 6      | 1        | 4277                  | 1        | 4277                  | EC          | 0         | отс    | 114             | М         |
| 7      | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 114             | M         |
| 8      | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 36              | М         |
| 9      | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 36              | M         |
| 10     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | отс    | 36              | М         |
| 11     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 36              | M         |
| 12     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 36              | M         |
| 13     | 1        | 4277                  | 1        | 4277                  | 11          |           | unk    |                 |           |
| 14     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 53              | M         |
| 15     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 56              | М         |
| 16     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 56              | M         |
| 17     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 56              | M         |
| 18     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 110             | F         |
| 19     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 215             | F         |
| 20     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 215             | F         |
| 21     | 1        | 4277                  | 1        | 4277                  | EC          | 1         | OTC    | 511             | F         |
| 22     | 1        | 4277                  | 1        | 4277                  | N9          |           | unk    |                 |           |
| 23     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 56              | M         |
| 24     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 112             | M         |
| 25     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 112             | M         |
| 26     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 511             | F         |
| 27     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 215             | F         |
| 28     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 215             | F         |
| 29     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 56              | M         |
| 30     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 56              | M         |
| 31     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 110             | F         |
| 32     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 215             | F         |
| 33     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 215             | F         |
| 34     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 57              | M         |
| 35     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 215             | F         |
| 36     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 57              | М         |
| 37 .   | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 36              | M         |
| 38     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 36              | М         |
| 39     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 36              | M         |
| 40     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 36              | M         |
| 41     | 1        | 4277                  | 1        | 4277                  | EC          | 0         | OTC    | 36              | M         |

| 42   | 1 | 4277 | 1   | 4277 | EC | 1 | OTC | 36          | М |
|------|---|------|-----|------|----|---|-----|-------------|---|
| 43   | 1 | 4277 | 1   | 4277 | N9 |   | unk |             |   |
| 44   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 114         | M |
| 45   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 36          | M |
| 46   | 1 | 4277 | 1   | 4277 | N1 |   | unk |             |   |
| 47   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 36          | M |
| 48   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 36          | М |
| 49   | 1 | 4277 | 1   | 4277 | 12 |   | unk |             |   |
| 50   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 54          | F |
| 51   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 39          | F |
| 52   | 1 | 4277 | , 1 | 4277 | EC | 0 | OTC | 511         | F |
| 53   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 112         | М |
| 54   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 112         | М |
| 55   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 19          | F |
| 56   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 215         | F |
| 57   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 215         | F |
| 58   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 215         | F |
| 59   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 215         | F |
| 60   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 215         | F |
| 61   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 215         | F |
| 62   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 215         | F |
| 63   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 215         | F |
| 64   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 215         | F |
| 65   | 1 | 4277 | 1   | 4277 | EÇ | 0 | OTC | 38          | М |
| 66   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 38          | M |
| 67   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 56          | М |
| 68   | 1 | 4277 | 1   | 4277 | N9 |   | unk |             |   |
| 69   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 56          | M |
| 70   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | <b>11</b> 4 | М |
| 71   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 215         | F |
| 72   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 210         | M |
| 73   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 215         | F |
| . 74 | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 215         | F |
| 75   | 1 | 4277 | 1   | 4277 | N9 |   | unk |             |   |
| 76   | 1 | 4277 | 1   | 4277 | N9 |   | unk |             |   |
| 77   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 36          | M |
| 78   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 36          | М |
| 79   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 215         | F |
| 80   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 215         | F |
| 81   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 112         | M |
| 82   | 1 | 4277 | 1   | 4277 | 12 |   | unk | •           |   |
| 83   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 215         | F |
| 84   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 215         | F |
| 85   | 1 | 4277 | 1   | 4277 | EC | 1 | OTC | 39          | F |
| 86   | 1 | 4277 | 1   | 4277 | EC | 0 | OTC | 114         | M |

|     |   |        |   |      |     | • |     |     |                |
|-----|---|--------|---|------|-----|---|-----|-----|----------------|
|     |   |        |   |      |     |   |     |     |                |
| 87  | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 56  | М              |
| 88  | 1 | . 4277 | 1 | 4277 | EC  | 0 | OTC | 511 | F              |
| 89  | 1 | 4277   | 1 | 4277 | EC  | 0 | ОТС | 511 | F              |
| 90  | 1 | 4277   | 1 | 4277 | EC  | 0 | ОТС | 114 | M              |
| 91  | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 114 | M              |
| 92  | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 54  | F              |
| 93  | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 54  | F              |
| 94  | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 215 | F              |
| 95  | 1 | 4277   | 1 | 4277 | EC, | 0 | OTC | 215 | F              |
| 96  | 1 | 4277   | 1 | 4277 | 11  |   | unk |     |                |
| 97  | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 215 | F              |
| 98  | 1 | 4277   | 1 | 4277 | EC  | 1 | OTC | 410 | F              |
| 99  | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 410 | F              |
| 100 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 215 | F              |
| 101 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 215 | F              |
| 102 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 56  | M <sub>.</sub> |
| 103 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 53  | М              |
| 104 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 112 | M              |
| 105 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 36  | M              |
| 106 | 1 | 4277   | 1 | 4277 | EĊ  | О | OTC | 114 | М              |
| 107 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 215 | F              |
| 108 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 215 | F              |
| 109 | 1 | 4277   | 1 | 4277 | EC  | 1 | OTC | 53  | M              |
| 110 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 39  | F              |
| 111 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 511 | F              |
| 112 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 215 | F              |
| 113 | 1 | 4277   | 1 | 4277 | 12  |   | unk |     |                |
| 114 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 36  | M              |
| 115 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 36  | M              |
| 116 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 36  | Μ              |
| 117 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 36  | M              |
| 118 | 1 | 4277   | 1 | 4277 | EC  | O | OTC | 39  | F              |
| 119 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 112 | М              |
| 120 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 511 | F              |
| 121 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 410 | F              |
| 122 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 39  | F              |
| 123 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 36  | М              |
| 124 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 215 | F              |
| 125 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 215 | F              |
| 126 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 56  | M              |
| 127 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 38  | М              |
| 128 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 53  | M              |
| 129 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 36  | M              |
| 130 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 36  | M              |
| 131 | 1 | 4277   | 1 | 4277 | EC  | 0 | OTC | 36  | M              |

| 132 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 36  | М |
|-----|---|--------------|---|------|----|---|-----|-----|---|
| 133 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 36  | Μ |
| 134 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 39  | F |
| 135 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 215 | F |
| 136 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 215 | F |
| 137 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 36  | М |
| 138 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 36  | М |
| 139 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 36  | М |
| 140 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 36  | М |
| 141 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 38  | М |
| 142 | 1 | 4277         | 1 | 4277 | EC | 1 | OTC | 38  | М |
| 143 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 38  | М |
| 144 | 1 | 4277         | 1 | 4277 | 13 |   | unk |     |   |
| 145 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 36  | M |
| 146 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 36  | М |
| 147 | 1 | 4277         | 1 | 4277 | N9 |   | unk |     |   |
| 148 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 36  | M |
| 149 | 1 | 4277         | 1 | 4277 | EC | 1 | OTC | 36  | М |
| 150 | 1 | 4277         | 1 | 4277 | EC | 0 | отс | 36  | М |
| 151 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 36  | М |
| 152 | 1 | 4277         | 1 | 4277 | EC | 0 | ОТС | 36  | М |
| 153 | 1 | 4277         | 1 | 4277 | EC | 0 | ОТС | 38  | М |
| 154 | 1 | 4277         | 1 | 4277 | 13 |   | unk |     |   |
| 155 | 1 | 4277         | 1 | 4277 | !3 |   | unk |     |   |
| 156 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 36  | М |
| 157 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 56  | М |
| 158 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 56  | М |
| 159 | 1 | <b>427</b> 7 | 1 | 4277 | EC | 0 | OTC | 56  | M |
| 160 | 1 | 4277         | 1 | 4277 | EC | 1 | OTC | 215 | F |
| 161 | 1 | 4277         | 1 | 4277 | EC | 0 | отс | 215 | F |
| 162 | 1 | 4277         | 1 | 4277 | 12 |   | unk |     |   |
| 163 | 1 | <b>427</b> 7 | 1 | 4277 | 11 |   | unk |     |   |
| 164 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 38  | М |
| 165 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 511 | F |
| 166 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 38  | М |
| 167 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 38  | М |
| 168 | 1 | 4277         | 1 | 4277 | EC | 0 | ОТС | 110 | F |
| 169 | 1 | 4277         | 1 | 4277 | EC | 1 | OTC | 410 | F |
| 170 | 1 | 4277         | 1 | 4277 | EC | 1 | ОТС | 410 | F |
| 171 | 1 | 4277         | 1 | 4277 | EC | 0 | ОТС | 215 | F |
| 172 | 1 | 4277         | 1 | 4277 | EC | 0 | OTC | 215 | F |
| 173 | 1 | 4277         | 1 | 4277 | EC | 0 | ОТС | 215 | F |
| 174 | 1 | 4277         | 1 | 4277 | EC | 0 | ОТС | 38  | М |
| 175 | 1 | 4277         | 1 | 4277 | EC | 0 | ОТС | 511 | F |
| 176 | 1 | 4277         | 1 | 4277 | N9 |   | unk |     |   |
|     |   |              |   |      |    |   |     |     |   |

|   | 177              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 56             | M |
|---|------------------|---|--------|---|------|----|---|------|----------------|---|
|   | 178              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 1 <del>9</del> | F |
|   | 179              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | <b>114</b>     | М |
|   | 180              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 511            | F |
|   | 181              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 511            | F |
|   | 182              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 215            | F |
|   | 183              | 1 | 4277   | 1 | 4277 | EC | 1 | OTC  | 215            | F |
|   | 184              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 215            | F |
|   | 185              | 1 | . 4277 | 1 | 4277 | EC | 0 | OTC  | 215            | F |
|   | 186              | 1 | 4277   | 1 | 4277 | EC | 1 | OTC  | 215            | F |
|   | 187              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC. | 38             | М |
|   | 188              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 38             | Μ |
|   | 189              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 58             | M |
|   | 190              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 58             | М |
|   | 191              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 58             | М |
|   | 192              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 58             | М |
|   | 193              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 39             | F |
|   | 194              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 39             | F |
|   | 195              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 110            | F |
|   | 1 <del>9</del> 6 | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 38             | M |
| • | 197              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 39             | F |
|   | 198              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 39             | F |
|   | 199              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 39             | F |
|   | 200              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 39             | F |
|   | 201              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 38             | Μ |
|   | 202              | 1 | 4277   | 1 | 4277 | EC | 1 | OTC  | 410            | F |
|   | 203              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 511            | F |
|   | 204              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 36             | M |
|   | 205              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 35             | Μ |
|   | 206              | 1 | 4277   | 1 | 4277 | N9 |   | unk  |                |   |
|   | 207              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 36             | М |
|   | 208              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 29             | F |
|   | 209              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 53             | М |
|   | 210              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 53             | M |
|   | 211              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 215            | F |
|   | 212              | 1 | 4277   | 1 | 4277 | N9 |   | unk  |                |   |
|   | 213              | 1 | 4277   | 1 | 4277 | N9 |   | unk  |                |   |
|   | 214              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 215            | F |
|   | 215              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 38             | M |
|   | 216              | 1 | 4277   | 1 | 4277 | EC | 0 | отс  | 36             | М |
|   | 217              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 36             | М |
|   | 218              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 36             | M |
|   | 219              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 36             | М |
|   | 220              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 36             | M |
|   | 221              | 1 | 4277   | 1 | 4277 | EC | 0 | OTC  | 36             | M |

| 222   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 36  | М |
|-------|---|------|---|------|----|-----|-----|-----|---|
| 223 . | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 36  | М |
| 224   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 36  | М |
| 225   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 36  | М |
| 226   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 36  | М |
| 227   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 36  | М |
| 228   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 36  | M |
| 229   | 1 | 4277 | 1 | 4277 | EC | 1   | OTC | 36  | М |
| 230   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 36  | М |
| 231   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 511 | F |
| 232   | 1 | 4277 | 1 | 4277 | EC | 1   | OTC | 410 | F |
| 233   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 410 | F |
| 234   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 110 | F |
| 235   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 39  | F |
| 236   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 39  | F |
| 237   | 1 | 4277 | 1 | 4277 | EC | 1   | OTC | 511 | F |
| 238   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 112 | М |
| 239   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 36  | М |
| 240   | 1 | 4277 | 1 | 4277 | N4 |     | unk |     |   |
| 241   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 39  | F |
| 242   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 114 | М |
| 243   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 29  | F |
| 244   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 36  | М |
| 245   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 36  | Μ |
| 246   | 1 | 4277 | 1 | 4277 | EC | 1   | OTC | 54  | F |
| 247   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 410 | F |
| 248   | 1 | 4277 | 1 | 4277 | EC | 1   | OTC | 56  | М |
| 249   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 53  | М |
| 250   | 1 | 4277 | 1 | 4277 | N9 |     | unk |     |   |
| 251   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 36  | М |
| 252   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 56  | M |
| 253   | 1 | 4277 | 1 | 4277 | EC | 1   | OTC | 49  | M |
| 254   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 49  | М |
| 255   | 1 | 4277 | 1 | 4277 | N1 |     | unk |     |   |
| 256   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 39  | F |
| 257   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 39  | F |
| 258   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 511 | F |
| 259   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 215 | F |
| 260   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 215 | F |
| 261   | 1 | 4277 | 1 | 4277 | EC | 0 - | OTC | 215 | F |
| 262   | 1 | 4277 | 1 | 4277 | EC | 0   | OTC | 215 | F |



# STATE OF MINNESOTA

# Office of Governor Mark Dayton

116 Veterans Service Building • 20 West 12th Street • Saint Paul, MN 55155

January 5, 2016

Ms. Jennifer Wagner National Synar Program Coordinator Division of State Programs, CSAP, SAMHSA 1 Choke Cherry Road, Room 4-1054 Rockville, Maryland 20857

Dear Ms. Wagner:

cc:

This letter is to formally inform you that I have delegated authority to Emily Johnson Piper, Commissioner, Minnesota Department of Human Services, for the purpose of signing the State of Minnesota Annual Synar Report.

This project is directed by the Director of the Alcohol and Drug Abuse Division of the Minnesota Department of Human Services, which is the single state authority.

Sincerely,

Mark Daytor

Emily Johnson Piper, Commissioner, Minnesota Department of Human Services