

# **ANNUAL SYNAR REPORT**

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

OMB № 0930-0222

**FFY 2023**

**State: South Dakota**

DRAFT

## Table of Contents

Introduction.....	i
FFY 2023: Funding Agreements/Certifications.....	1
Section I: FFY 2022 (Compliance Progress).....	2
Section II: FFY 2023 (Intended Use).....	11
Appendix A: Forms 1–5.....	13
Appendixes B & C: Forms.....	20
Appendix B: Synar Survey Sampling Methodology .....	19
Appendix C: Synar Survey Inspection Protocol Summary.....	21
Appendix D: List Sampling Frame Coverage Study .....	25

Public Burden Statement: An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The OMB control number for this project is 0930-0222. Public reporting burden for this collection of information is estimated to average 18 hours per respondent, per year, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to SAMHSA Reports Clearance Officer, 5600 Fishers Lane, Rockville, MD 20857.

## **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 and young adult tobacco access laws (FFY 2022 Compliance Progress) and future plans to ensure compliance with the Synar requirements to reduce youth and young adult tobacco access rates (FFY 2023 Intended Use Plan). These data are required by 42 U.S.C. 300x-26 and will be used by the Secretary to evaluate state compliance with the statute. Part of the mission of the Center for Substance Abuse Prevention (CSAP) is to assist states<sup>1</sup> by supporting Synar activities and providing technical assistance helpful in determining the type of enforcement measures and control strategies that are most effective. This information is helpful to CSAP in improving technical assistance resources and expertise on enforcement efforts and tobacco control program support activities, including state Synar program support services, through an enhanced technical assistance program involving conferences and workshops, development of training materials and guidance documents, and onsite technical assistance consultation.

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

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

---

<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).

with youth and young adult tobacco access laws.

### **Getting assistance in completing the Synar report**

If you have questions about programmatic issues, you may call CSAP's Division of Primary Prevention 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 your Grants Management Specialist in the 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, 2022 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 2023 Synar Survey Results: States that use the Synar Survey Estimation System (SSES) must upload one copy of *SSES Tables 1–8* (in Excel) to WebBGAS. **Please note that, in the FFY 2023 ASR, SSES will generate Tables 6, 7, and 8, which are based on the optional microdata on product type, retail outlet type, and whether identification was requested. If your state does not submit these optional data, Tables 6, 7, and 8 will be blank. Tables 6, 7, and 8 are generated for the convenience of the state, and states are not required to submit completed versions of Tables 6, 7, or 8.** States that do not use SSES must upload one copy of ASR Forms 1, 4, and 5, and Forms 2 and 3, if applicable, (in Excel), as well as a database with the raw inspection data to WebBGAS.
- Synar Inspection Form: States must upload one blank copy of the inspection form used to record the result of each Synar inspection.
- Synar Inspection Protocol: States must upload a copy of the protocol used to train inspection teams on conducting and reporting the results of the Synar inspections. This document should be different than the Appendix C attached to the Annual Synar Report.
- A scanned copy of the signed Funding Agreements/Certifications

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

## FFY 2023: FUNDING AGREEMENTS/CERTIFICATIONS

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

<b>PUBLIC HEALTH SERVICES ACT AND SYNAR AMENDMENT</b>
42 U.S.C. 300x-26 requires each state to submit an annual report of its progress in meeting the requirements of the Synar Amendment and its implementing regulation (45 C.F.R. 96.130) to the Secretary of the Department of Health and Human Services. By signing below, the chief executive officer (or an authorized designee) of the applicant organization certifies that the state has complied with these reporting requirements and the certifications as set forth below.
<b>SYNAR SURVEY SAMPLING METHODOLOGY</b>
The state certifies that the Synar survey sampling methodology on file with the Center for Substance Abuse Prevention and submitted with the Annual Synar Report for FFY 2023 is up-to-date and approved by the Center for Substance Abuse Prevention.
<b>SYNAR SURVEY INSPECTION PROTOCOL</b>
The state certifies that the Synar Survey Inspection Protocol on file with the Center for Substance Abuse Prevention and submitted with the Annual Synar Report for FFY 2023 is up-to-date and approved by the Center for Substance Abuse Prevention.
<b>State: South Dakota</b>
<b>Name of Chief Executive Officer or Designee:</b>
<b>Signature of CEO or Designee:</b>
<b>Title:</b> _____ <b>Date Signed:</b> _____
<b>If signed by a designee, a copy of the designation must be attached.</b>

**SECTION I: FFY 2022 (Compliance Progress)**

**YOUTH AND YOUNG ADULT 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 21.

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

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

Yes  No

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

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

Yes  No

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

- Changed to require that law enforcement conduct inspections of tobacco outlets
- Changed to make it illegal for youth and young adults to possess, purchase or receive tobacco
- Changed to require ID to purchase tobacco
- Changed definition of tobacco products
- Other change(s) *(Please describe.)* \_\_\_\_\_

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

Licensing of tobacco vendors  Yes  No

Penalties for sales to minors  Yes  No

Vending machines  Yes  No

Added product categories to youth and young adult access law  Yes  No

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

Placed on file for public review

Posted on a state agency Web site *(Please provide exact Web address and the date when the FFY 2023 ASR was posted to this Web address.)*

*Web address:* <https://dss.sd.gov/behavioralhealth/default.aspx>

*Date published:* November 22, 2022

Notice published in a newspaper or newsletter

- Public hearing
- Announced in a news release, a press conference, or discussed in a media interview
- Distributed for review as part of the SABG application process
- Distributed through the public library system
- Published in an annual register
- Other *(Please describe.)* Shared with SD DOH and prevention providers.

**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:**

Department of Social Services

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

- Yes  No

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

Department of Social Services

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

- Yes  No

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

Individual County States Attorneys

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

- Yes  No

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

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

South Dakota 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.)* Tobacco prevention information is shared through the Prevention Resource Centers located in South Dakota through the Prevention Monthly Newsletter.
- No relationship

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

- Yes  No (if no, go to Question 5)

**e. If yes, identify the state agency responsible for enforcing the youth and young adult 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)).**

---

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

- Yes  No

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

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

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

- Yes  No



5. Please answer the following questions regarding the state’s activities to enforce the state’s youth and young adult access to tobacco law(s) in FFY 2022 (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 and young adult access to tobacco laws carried out in your state? (Check one category only.)

- Enforcement is conducted exclusively by local law enforcement agencies.
- Enforcement is conducted exclusively by state agency(ies).
- Enforcement is conducted by both local *and* state agencies.

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

PENALTY	OWNERS	CLERKS	TOTAL
Number of <u>citations issued</u>		33	33
Number of <u>finest assessed</u>			
Number of <u>permits/licenses suspended</u>			
Number of <u>permits/licenses revoked</u>			
Other (Please describe.) 34-46-5(M2) Purchase/Receive/Consume/Possess Tobacco Under Age 21			482

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

- Yes     No

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

Formal reports documenting sales are provided to States Attorneys. Further action is at the discretion of States Attorneys.

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

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

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

- Yes  No

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

- Merchant education and/or training

The retailers' association promotes use of the "We Card" program and materials by retailers. This includes calendars and signs and other materials promoting the "We Card" message at retailers.

- 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 and young adult access laws)

- Community education regarding youth and young adult access laws

The Prevention Resource Centers and community prevention coalitions in South Dakota receive tobacco prevention funding and provide community education pertaining to youth tobacco use and access to tobacco use products. The Prevention Resource Centers also disseminated monthly Prevention Newsletters, which include tobacco prevention information.

- Media use to publicize compliance inspection results

- Community mobilization to increase support for retailer compliance with youth and young adult access laws

- Other activities *(Please list.)* \_\_\_\_\_

## 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 2022 (see 42 U.S.C. 300x-26 and 45 C.F.R. 96.130).

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

Yes  No

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

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

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

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

Yes  No

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

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

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

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

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

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

RVR Estimate      +      (1.645      ×      )      =      Right Limit  
                         plus      (1.645      times      Standard Error )      equals

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

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

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

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

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

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

- Yes  No  No stratification

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

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

- Yes  No

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

*If No, go to Question 7g.*

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

- Yes  No

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

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

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

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

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

Yes  No

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

**a. The calendar year of the latest Sampling frame coverage study: 2022**

**b. Percent coverage from the latest Sampling frame coverage study: 90.7%**

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

Yes  No

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

**d. The calendar year of the next coverage study planned: 2025**

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

Yes  No

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

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

**b. Provide the inspection period: From 6/14/2022 to 8/31/2022**  
MM/DD/YY MM/DD/YY

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

11

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

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

## SECTION II: FFY 2023 (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 and young adult tobacco access.

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

Synar sampling methodology  Yes  No

Synar inspection protocol  Yes  No

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

### 2. Please describe the state's plans to maintain and/or reduce the target rate for Synar inspections to be completed in FFY 2023. Include a brief description of plans for law enforcement efforts to enforce youth and young adult tobacco access laws, activities that support law enforcement efforts to enforce youth and young adult tobacco access laws, and any anticipated changes in youth and young adult tobacco access legislation or regulation in the state.

The Department of Social Services Prevention Program will continue to monitor compliance in accordance with the regulations and will explore opportunities to work with law enforcement and States Attorney's offices to provide greater consistency with penalties, fines, etc. The Department of Social Services Prevention Program will also work to increase education to community-based coalitions regarding environmental strategies to impact tobacco access issues. The Division has also taken steps to have staff participate with the Department of Health and develop a Youth Access Strategic Plan.

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

Limited resources for law enforcement of youth and young adult access laws

According to South Dakota laws, each County States Attorney is responsible for tobacco compliance monitoring. The County States Attorney lacks the resources to focus on youth tobacco access.

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

The Department of Health is responsible for tobacco prevention activities, and has limited staff to carry out activities. Department of Health leverages contracted coalitions through the Department of Social Services to provide prevention activities.

Limitations in the state youth and young adult tobacco access laws

- Limited public support for enforcement of youth and young adult tobacco access laws

- Limitations on completeness/accuracy of list of tobacco outlets

- Limited expertise in survey methodology

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

- Difficulties recruiting youth and young adult inspectors

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

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

- Geographic, demographic, and logistical considerations in conducting inspections

The geographic structure of the State can be challenging, as there are many miles to cover. However, South Dakota's rates have remained within guidelines, and the State will continue to explore opportunities to further reduce the rate.

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

- Issues regarding sources of tobacco under tribal jurisdiction

South Dakota has nine sovereign tribes that the State does not have the authority over for tobacco compliance enforcement.

- Other challenges (*Please list.*)

## APPENDIX A: FORMS 1–5

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

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

**Instructions for Completing Form 1:** In the top right-hand corner of the form, provide the state name and reporting federal fiscal year (FFY 2023). Provide the remaining information by stratum if stratification was used. Make copies of the form if additional rows are needed to list all the strata.

Column 1: *If stratification was used:*

1(a) Sequentially number each row.

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

*If no stratification was used:*

1(a) Leave blank.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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





## **FORM 2 (Optional)**

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

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

**Instructions for Completing Form 2:** In the top right-hand corner of the form, provide the state name and reporting federal fiscal year (FFY 2023).

- 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.**

<b>Calculation of Weighted Retailer Violation Rate</b>										
										State: _____
										FFY: <u>2023</u>
(1) Stratum Name	(2) N Number of Outlets in Sampling Frame	(3) n Original Sample Size	(4) n1 Number of Sample Outlets Found Eligible	(5) n2 Number of Outlets Inspected	(6) x Number of Outlets Found in Violation	(7) p=x/n2 Stratum Retailer Violation Rate	(8) N'=N(n1/n) Estimated Number of Eligible Outlets in Population	(9) w=N'/Total Column 8 Relative Stratum Weight	(10) pw Stratum Contribution to State Weighted RVR	(11) s.e. Standard Error of Stratum RVR
<b>Total</b>										

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

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

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

**Instructions for Completing Form 3:** In the top right-hand corner of the form, provide the state name and reporting federal fiscal year (FFY 2023).

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

Column 1: Sequentially number each row.

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

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

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

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

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

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

<b>Summary of Clusters Created and Sampled</b>				
<b>State:</b> _____				
<b>FFY:</b> 2023 _____				
(1) Row #	(2) Stratum Name	(3) Number of PSUs Created	(4) Number of PSUs Selected	(5) Number of PSUs in the Final Sample
<b>Total</b>				

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

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

**Instructions for Completing Form 4:** In the top right-hand corner of the form, provide the state name and reporting federal fiscal year (FFY 2023).

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

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

<b>Inspection Tallies by Reason of Ineligibility or Noncompletion</b>			
		<b>State:</b> _____	
		<b>FFY:</b> 2023	
(1) INELIGIBLE		(2) ELIGIBLE	
Reason for Ineligibility	(a) Counts	Reason for Noncompletion	(a) Counts
Out of business		In operation but closed at time of visit	
Does not sell tobacco products		Unsafe to access	
Inaccessible by youth or young adult		Presence of police	
Private club or private residence		Youth or young adult inspector knows salesperson	
Temporary closure		Moved to new location	
Unlocatable		Drive-thru only/youth or young adult inspector has no driver’s license	
Wholesale only/Carton sale only		Tobacco out of stock	
Vending machine broken		Ran out of time	
Duplicate		Other noncompletion reason(s) <i>(Describe.)</i>	
Other ineligibility reason(s) <i>(Describe.)</i>			
<b>Total</b>		<b>Total</b>	

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

Complete Form 5 to show the distribution of outlet inspection results by age and gender of the youth and young adult 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 2023).

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

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

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

<b>Synar Survey Inspector Characteristics</b>		
		<b>State:</b> _____
		<b>FFY:</b> 2023
	(1) Attempted Buys	(2) Successful Buys
<b>Male</b>		
15 years		
16 years		
17 years		
18 years		
19 years		
20 years		
<b>Male Subtotal</b>		
<b>Female</b>		
15 years		
16 years		
17 years		
18 years		
19 years		
20 years		
<b>Female Subtotal</b>		
<b>Other</b>		
<b>Total</b>		

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

### Instructions

Appendix B (Sampling Design) and Appendix C (Inspection Protocol) are to reflect the state's CSAP-approved sampling design and inspection protocol. These appendixes, therefore, should generally describe the design and protocol and, with the exception of Question #10 of Appendix B, are not to be modified with year-specific information. Please note that any changes to either appendix must receive CSAP's advance, written approval. To facilitate the state's completion of this section, simply cut and paste the previously approved sampling design (Appendix B) and inspection protocol (Appendix C) and respond to Question #10 of Appendix B to provide the requested information about sample size calculations for the Synar survey conducted in FFY 2022.

## APPENDIX B: SYNAR SURVEY SAMPLING METHODOLOGY

State: South Dakota  
 FFY: 2023

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

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

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

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

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

Name of Frame Source	Type of Source	Description	Updating Method and Cycle
Business Listings	1	The list frame was developed from a commercial business list and refined over the years of surveying outlets.	This list frame is updated annually based on information from outlet inspections, a verification process for larger communities in which outlet changes have occurred, and integration of the coverage study information. In addition, the list frame is reviewed annually, and the existence of suspected outlets is verified and updated.

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

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

- Yes    No

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

\_\_\_\_\_ %

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



Yes  No

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

- State law bans vending machines.
- State law bans vending machines from locations accessible to youth and young adults.
- State has a contract with the FDA and is actively enforcing the vending machine requirements of the Family Smoking Prevention and Tobacco Control Act.
- Other (Please describe.) \_\_\_\_\_

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

- Vending machines are sampled separately to ensure vending machines are included in the sample
- Vending machines are sampled together with over the counter outlets, so it is possible that no vending machines were sampled, however they are included in the sampling frame and have a non-zero probability of selection
- Other reasons (Please describe.) \_\_\_\_\_

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

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

**Unstratified statewide sample:**

- Simple random sample (Go to Question 9.)
- Systematic random sample (Go to Question 6.)
- Single-stage cluster sample (Go to Question 8.)
- Multistage cluster sample (Go to Question 8.)

**Stratified sample:**

- Simple random sample (Go to Question 7.)
- Systematic random sample (Go to Question 6.)
- Single-stage cluster sample (Go to Question 7.)
- Multistage cluster sample (Go to Question 7.)
- Other** (Please describe and go to Question 9.) \_\_\_\_\_

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

7. Provide the following information about stratification.

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

South Dakota's strata are based on the seven (7) Unified Judicial Districts in the state. This aids in working with the South Dakota Unified Judicial system and

county State’s Attorneys. The counties included in each stratum is summarized below.

Strata 1 (Region 1): Aurora, Brule, Bon Homme, Buffalo, Charles Mix, Clay, Davison, Douglas, Hanson, Hutchinson, McCook, Turner, Union, and Yankton

Strata 2 (Region 2): Minnehaha, Lincoln

Strata 3 (Region 3): Beadle, Brookings, Clark, Codington, Deuel, Grant, Hamlin, Hand, Jerauld, Kingsbury, Lake, Miner, Moody, and Sanborn

Strata 4 (Region 4): Butte, Corson, Dewey, Harding, Lawrence, Meade, Perkins, and Ziebach

Strata 5 (Region 5): Brown, Campbell, Day, Edmunds, Faulk, Marshall, McPherson, Roberts, Spink, and Walworth

Strata 6 (Region 6): Bennett, Gregory, Haakon, Hughes, Hyde, Jackson, Jones, Lyman, Mellette, Potter, Stanley, Sully, Tripp, and Todd

Strata 7 (Region 7): Custer, Fall River, Pennington, and Oglala Lakota

South Dakota will also select a random reserve sample. The purpose of the reserve sample is to provide an additional pool of outlets to inspect when an ineligible outlet is encountered during the inspection process to attain an appropriate sample size as planned in each stratum. The reserve sample will be selected using the same sampling methods as for the original sample list. Simple random sampling (SRS) is applied again to select outlets for the reserve list from the remaining outlets (after taking out the original sample list) in each stratum. The sample size for the reserve list will be about one-half of the sample size of the original sample outlet. For example, if the original sample size for Stratum 1 is planned to be 100. After randomly selecting 100 outlets for the sample list, an additional 50 outlets are randomly selected for the reserve sample for Stratum 1. Depending on the size of the stratum, it is possible that all the remaining outlets may be selected for the reserve list. All the sampling procedures will be performed using statistical software. Inspectors encountering an ineligible outlet during the inspection process are instructed to select the first outlet from the reserve sample as a replacement and so on for the next ineligible outlet encountered.

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

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

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

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

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

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

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

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

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

**b. SSES Sample Size Calculator used?**

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

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

South Dakota used the SSES software in FFY 2022 for sample size calculations.

**10. Provide the following information about sample size calculations for the Synar survey conducted in FFY 2022.**

**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: 6.3%  
Frame Size: 867

**Input for Target Sample Size:**

Design Effect: 1

**Inputs for Original Sample Size:**

Safety Margin: 40%  
Accuracy (Eligibility) Rate: 91.2%  
Completion Rate: 97.6%

**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:**

<b>Stratum ID:</b>	<b>Stratum Size:</b>	<b>Stratum Sample Size (Proportional)</b>
1:	167 outlets	45
2:	195 outlets	50
3:	140 outlets	37
4:	77 outlets	22

5:	88 outlets	24
6:	74 outlets	21
7:	127 outlets	34

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

--

# APPENDIX C: SYNAR SURVEY INSPECTION PROTOCOL SUMMARY

State: South Dakota  
FFY: 2023

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

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

### a. Consummated buy attempts?

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

### b. Youth and young adult inspectors to carry ID?

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

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

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

### d. Youth and young adult inspectors to be compensated?

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

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

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

List the agency name(s): Mountain Plains Evaluation, LLC

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

Always  Usually  Sometimes  Rarely  Never

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

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

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

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

We ask our prevention personnel across the State for the brands of cigarettes and smokeless tobacco products most commonly used by youth. These then are the types of products that we have the youth request during the tobacco inspections.

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

Adult inspectors are recruited based on substantial experience in working with youth and law enforcement.

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

Youth are selected through recommendations from teachers, prevention professionals and law enforcement professionals. Youth are then interviewed to determine if they are interested in participating in the inspections and if they are a good match for the inspection work. Youth's parents are also consulted and consent forms and specific training materials regarding the requirements are reviewed with both parents and youth.

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

a. Legal

Yes  No

*(If Yes, please describe.)*

A letter provided by the South Dakota Attorney General provides immunity for the youth conducting the inspections.

b. Procedural

Yes  No

*(If Yes, please describe.)*

South Dakota only used 16 year old youth as inspectors for FY 2023 Synar survey. South Dakota is exploring how to incorporate use of 18 year old youth in future years. The youth may not miss any school and inspections are conducted between 8:00 am and 10:00 pm. In addition, youth are not used in their home town, unless their home town is quite large and the chance of the youth being identified is minimal.

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

**a. Legal**

Yes  No

*(If Yes, please describe.)*

Immunity is provided by the Attorney General.

**b. Procedural**

Yes  No

*(If Yes, please describe.)*

Extensive interviewing and training is conducted with the youth and their family. The youth is always in the company of an adult inspector. Procedures are fully explained and reviewed prior to inspections for potential situations should a youth feel unsafe at any time.

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

**a. Legal**

Yes  No

*(If Yes, please describe.)*

**b. Procedural**

Yes  No

*(If Yes, please describe.)*

## APPENDIX D: LIST SAMPLING FRAME COVERAGE STUDY

(LIST FRAME ONLY)

State: South Dakota  
FFY: 2023

1. Calendar year of the coverage study: 2022
2.
  - a. Unweighted percent coverage found: 91.26%
  - b. Weighted percent coverage found: 90.67%
  - c. Number of outlets found through canvassing: 206
  - d. Number of outlets matched on the list frame: 188
3.
  - a. Describe how areas were defined. (e.g., census tracts, counties, etc.)

The sampling design and methodology was developed based on the “Guidance for a Synar Sampling Frame Coverage Study” provided by the Substance Abuse and Mental Health Services Administration (SAMHSA). In addition, the sampling design and methodology also had to accommodate the unique dispersion of tobacco outlets in South Dakota to provide an accurate assessment of the current tobacco list frame used by the state of South Dakota. South Dakota is diverse both geographically and in population density. There are two main population centers, Sioux Falls and Rapid City, located respectively on the east and west side of the state. Minnehaha and Pennington counties (that contain the two cities) combined account for 30% of the tobacco outlets contained on the current list sampling frame. The remainder of the counties in the state can be divided based upon the number of tobacco outlets into medium and small groups.

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

Yes  No

*If Yes, please explain.*

Five counties are completely within Indian reservations and the state does not have jurisdiction to conduct surveys within Indian reservations or on Native lands.

4. Please answer the following questions about the selection of canvassing areas.
  - a. Which category below best describes the sample design? (Check only one.)
    - Census (Go to Question 6.)
    - Unstratified statewide sample:**
      - Simple random sample (Respond to Part b.)
      - Systematic random sample (Respond to Part b.)
      - Single-stage cluster sample (Respond to Parts b and d.)
      - Multistage cluster sample (Respond to Parts b and d.)



**Stratified sample:**

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

**b. Describe the sampling methods.**

The sampling design and methodology was developed based on the “Guidance for a Synar Sampling Frame Coverage Study” provided by the Substance Abuse and Mental Health Services Administration (SAMSHA). In addition, the sampling design and methodology also had to accommodate the unique dispersion of tobacco outlets in South Dakota to provide an accurate assessment to the current tobacco list frame used by the state of South Dakota. South Dakota is diverse both geographically and in population density. There are two main population centers, Sioux Falls and Rapid City, located respectively on the east and west side of the state. Minnehaha and Pennington counties (that contain the two cities) combined account for 30% of the tobacco outlets contained on the current list sampling frame. The remainder of the counties in the state can be divided based upon the number of tobacco outlets into medium and small groups.

The counties were entered into Excel along with the total number of tobacco outlets per county. Each county was assigned a code corresponding with the groupings designated as Small, Medium, or Large. The grouping rules were developed based on examination of the frequency distribution of the number of outlets per county along with taking into account the two large counties contained in the Large/Metro category. Note the average number of tobacco outlets for Minnehaha County and Pennington County is 118 tobacco outlets compared to an average of 17.2 tobacco outlets for counties designated to the medium county grouping and an average of 5.2 tobacco outlets for counties designated as a small county.

Based on the data regarding the distribution of outlets by county and geographic region, a decision was made to select six counties from the medium group, and four counties from the small group and to survey in the two Large/Metro counties by census tract to obtain the best geographic representation for the coverage study. The intent was to develop an approach that would sample proportionately from the groups, while retaining a random approach to selection of the sample. The selected counties and census tracts were selected based on a random selection within each county grouping.

Proposed Sampling Approach for Large/Metro Counties (Minnehaha and Pennington counties)

Due to the population and tobacco outlet density in the two Large/Metro counties of Minnehaha (includes Sioux Falls) and Pennington (includes Rapid City), census tracts can be used to conduct the coverage survey. Within Minnehaha and Pennington counties, census tracts were identified and ordered randomly using the

Excel random number function. The census tracts were canvassed in the random order until a maximum of thirty total outlets in each county was reached.

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

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

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

Yes  No

6. Were all sampled areas visited by canvassing teams?

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

a. Was the subset of areas randomly chosen?

Yes  No

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

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

Yes  No

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

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

Yes  No

*If No, respond to Question 9.*

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

9. If a full canvassing was not conducted:

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

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

c. Were these starting points randomly chosen?

Yes  No

d. Describe the selection of the starting points.

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

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

Field observers would enter the business and look for tobacco products for sale. If none were visible, the field observers would ask if they sold tobacco.

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

A match is determined by business name, physical address, and GPS coordinates.

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

1 (Large Minn/Penn)	268	0.910 (61 of 67)
3 (Medium)	416	0.925 (111 of 120)
4 (Small)	174	0.864 (19 of 22)
Unweighted proportion matched 0.9139 (191 of 209)		
Weighted proportion matched 0.908 using N Outlets in the strata as the weights, i.e. $(268*0.910 + 416*0.925 + 174*0.864)/(268 + 416 + 174)$		

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

**CSAP-SYNAR REPORT**

State	SD
Federal Fiscal Year (FFY)	2022
Date	10/17/2022 15:22
Data	2022_Synar_spreadsheet_SSES_input_FEDS_tier1_n233.xlsx
Analysis Option	Stratified SRS with FPC

**Estimates**

Unweighted Retailer Violation Rate	7.7%
Weighted Retailer Violation Rate	7.8%
Standard Error	1.5%
Is SAMHSA Precision Requirement met?	YES
Right-sided 95% Confidence Interval	[0.0%, 10.3%]
Two-sided 95% Confidence Interval	[4.8%, 10.8%]
Design Effect	1.0
Accuracy Rate (unweighted)	100.0%
Accuracy Rate (weighted)	100.0%
Completion Rate (unweighted)	100.0%

**Sample Size for Current Year**

Effective Sample Size	233
Target (Minimum) Sample Size	233
Original Sample Size	233
Eligible Sample Size	233
Final Sample Size	233
Overall Sampling Rate	26.8%

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

STATE: SD

FFY: 2022

Samp. Stratum	Var. Stratum	Outlet Frame Size	Estimated Outlet Population Size	Number of PSU Clusters Created	Number of PSU Clusters in Sample	Outlet Sample Size	Number of Eligible Outlets in Sample	Number of Sample Outlets Inspected	Number of Sample Outlets in Violation	Retailer Violation Rate(%)	Standard Error(%)
<b>All Outlets</b>											
1	1	168	168	N/A	N/A	47	47	47	4	8.5%	
2	2	195	195	N/A	N/A	54	54	54	1	1.9%	
3	3	138	138	N/A	N/A	34	34	34	4	11.8%	
4	4	77	77	N/A	N/A	20	20	20	2	10.0%	
5	5	88	88	N/A	N/A	23	23	23	4	17.4%	
6	6	74	74	N/A	N/A	21	21	21	3	14.3%	
7	7	128	128	N/A	N/A	34	34	34	0	0.0%	
Total		868	868			233	233	233	18	7.8%	1.5%
<b>Over the Counter Outlets</b>											
1	1	168	168	N/A	N/A	47	47	47	4	8.5%	
2	2	195	195	N/A	N/A	54	54	54	1	1.9%	
3	3	138	138	N/A	N/A	34	34	34	4	11.8%	
4	4	77	77	N/A	N/A	20	20	20	2	10.0%	
5	5	88	88	N/A	N/A	23	23	23	4	17.4%	
6	6	74	74	N/A	N/A	21	21	21	3	14.3%	
7	7	128	128	N/A	N/A	34	34	34	0	0.0%	
Total		868	868			233	233	233	18	7.8%	1.5%
<b>Vending Machines</b>											
1	1	0	0	N/A	N/A	0	0	0	0	0.0%	
2	2	0	0	N/A	N/A	0	0	0	0	0.0%	
3	3	0	0	N/A	N/A	0	0	0	0	0.0%	
4	4	0	0	N/A	N/A	0	0	0	0	0.0%	
5	5	0	0	N/A	N/A	0	0	0	0	0.0%	
6	6	0	0	N/A	N/A	0	0	0	0	0.0%	
7	7	0	0	N/A	N/A	0	0	0	0	0.0%	
Total		0	0			0	0	0	0	0.0%	0.0%

SSES Table 3 (Synar Survey Sample Tally Summary)

STATE: SD  
FFY: 2022

Disposition Code	Description	Count	Subtotal
EC	Eligible and inspection complete outlet	233	
Total (Eligible Completes)			233
N1	In operation but closed at time of visit	0	
N2	Unsafe to access	0	
N3	Presence of police	0	
N4	Youth inspector knows salesperson	0	
N5	Moved to new location but not inspected	0	
N6	Drive thru only/youth inspector has no drivers license	0	
N7	Tobacco out of stock	0	
N8	Run out of time	0	
N9	Other noncompletion	0	
Total (Eligible Noncompletes)			0
I1	Out of Business	0	
I2	Does not sell tobacco products	0	
I3	Inaccessible by youth	0	
I4	Private club or private residence	0	
I5	Temporary closure	0	
I6	Can't be located	0	
I7	Wholesale only/Carton sale only	0	
I8	Vending machine broken	0	
I9	Duplicate	0	
I10	Other ineligibility	0	
Total (Ineligibles)			0
Grand Total			233

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

STATE: SD  
FFY: 2022

**Frequency Distribution**

Gender	Age	Number of Inspectors	Attempted Buys	Successful Buys
Male	14	0	0	0
	15	0	0	0
	16	5	89	2
	17	0	0	0
	18	0	0	0
	Subtotal		5	89
Female	14	0	0	0
	15	0	0	0
	16	4	144	16
	17	0	0	0
	18	0	0	0
	Subtotal		4	144
Other		0	0	0
Grand Total		9	233	18

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

Age	Male	Female	Total
14	0.0%	0.0%	0.0%
15	0.0%	0.0%	0.0%
16	2.2%	11.1%	7.7%
17	0.0%	0.0%	0.0%
18	0.0%	0.0%	0.0%
Other			0.0%
Total	2.2%	11.1%	7.7%

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
8516	1	168	1	168	EC		OTC	PK	M	16		1		
7519	4	77	4	77	EC	1	OTC	GS	F	16		1		
6458	1	168	1	168	EC		OTC	AW	F	16		1		
6503	3	138	3	138	EC		OTC	PK	M	16		1		
6489	3	138	3	138	EC		OTC	PK	M	16		1		
8669	1	168	1	168	EC	1	OTC	AW	F	16		1		
6544	1	168	1	168	EC		OTC	AW	F	16		1		
6564	3	138	3	138	EC		OTC	PK	M	16		1		
6553	3	138	3	138	EC		OTC	PK	M	16		1		
6824	3	138	3	138	EC		OTC	AW	F	16		1		
6602	5	88	5	88	EC		OTC	PK	M	16		1		
8555	5	88	5	88	EC		OTC	PK	M	16		1		
6616	5	88	5	88	EC		OTC	PK	M	16		1		
6627	5	88	5	88	EC		OTC	PK	M	16		1		
6479	3	138	3	138	EC	1	OTC	VK	F	16		1		
6640	5	88	5	88	EC		OTC	VK	F	16		1		
6621	5	88	5	88	EC		OTC	VK	F	16		1		
6786	1	168	1	168	EC		OTC	CS	M	16		1		
8719	1	168	1	168	EC		OTC	HS	M	16		1		
6676	1	168	1	168	EC		OTC	PK	M	16		1		
6674	1	168	1	168	EC		OTC	HS	M	16		1		
6678	1	168	1	168	EC		OTC	PK	M	16		1		
6666	1	168	1	168	EC		OTC	AW	F	16		1		
7408	2	195	2	195	EC		OTC	CS	M	16		1		
6672	1	168	1	168	EC		OTC	AW	F	16		1		
6628	5	88	5	88	EC	1	OTC	VK	F	16		1		
6703	4	77	4	77	EC		OTC	GS	F	16		1		
6704	4	77	4	77	EC		OTC	GS	F	16		1		
6758	1	168	1	168	EC		OTC	HS	M	16		1		
8512	2	195	2	195	EC		OTC	VK	F	16		1		
6748	1	168	1	168	EC		OTC	AW	F	16		1		
8637	1	168	1	168	EC		OTC	AW	F	16		1		
8735	1	168	1	168	EC		OTC	VK	F	16		1		
6765	3	138	3	138	EC		OTC	AW	F	16		1		
6767	3	138	3	138	EC		OTC	AW	F	16		1		
6791	1	168	1	168	EC		OTC	VK	F	16		1		
6636	5	88	5	88	EC	1	OTC	VK	F	16		1		



8144	5	88	5	88	EC	1	OTC	VK	F	16	1
6807	1	168	1	168	EC		OTC	VK	F	16	1
6789	1	168	1	168	EC		OTC	CS	M	16	1
8724	3	138	3	138	EC		OTC	AW	F	16	1
6841	3	138	3	138	EC		OTC	AW	F	16	1
8353	3	138	3	138	EC		OTC	AW	F	16	1
8710	2	195	2	195	EC		OTC	BK	M	16	1
6820	3	138	3	138	EC		OTC	AW	F	16	1
6827	3	138	3	138	EC		OTC	AW	F	16	1
6828	3	138	3	138	EC		OTC	PK	M	16	1
6845	3	138	3	138	EC		OTC	PK	M	16	1
6883	7	128	7	128	EC		OTC	VK	F	16	1
8342	7	128	7	128	EC		OTC	VK	F	16	1
6897	7	128	7	128	EC		OTC	VK	F	16	1
6921	1	168	1	168	EC		OTC	PK	M	16	1
6929	1	168	1	168	EC		OTC	AW	F	16	1
6912	1	168	1	168	EC		OTC	AW	F	16	1
8789	5	88	5	88	EC		OTC	AW	F	16	1
6991	3	138	3	138	EC		OTC	HS	M	16	1
6978	3	138	3	138	EC		OTC	HS	M	16	1
8678	7	128	7	128	EC		OTC	VK	F	16	1
7054	7	128	7	128	EC		OTC	VK	F	16	1
8494	5	88	5	88	EC		OTC	VK	F	16	1
7086	3	138	3	138	EC		OTC	HS	M	16	1
7102	6	74	6	74	EC		OTC	HS	M	16	1
7114	6	74	6	74	EC		OTC	AW	F	16	1
8644	6	74	6	74	EC		OTC	AW	F	16	1
7185	6	74	6	74	EC	1	OTC	AW	F	16	1
7129	3	138	3	138	EC		OTC	HS	M	16	1
7131	3	138	3	138	EC		OTC	AW	F	16	1
7860	3	138	3	138	EC	1	OTC	VK	F	16	1
7189	6	74	6	74	EC		OTC	VK	F	16	1
7178	6	74	6	74	EC		OTC	VK	F	16	1
8288	5	88	5	88	EC	1	OTC	VK	F	16	1
7749	2	195	2	195	EC	1	OTC	AW	F	16	1
7209	1	168	1	168	EC		OTC	PK	M	16	1
8606	1	168	1	168	EC		OTC	PK	M	16	1
6750	1	168	1	168	EC		OTC	HS	M	16	1

7228	6	74	6	74	EC		OTC	AW	F	16	1
7250	3	138	3	138	EC		OTC	PK	M	16	1
7260	6	74	6	74	EC		OTC	AW	F	16	1
8668	3	138	3	138	EC		OTC	HS	M	16	1
7262	3	138	3	138	EC		OTC	AW	F	16	1
8667	3	138	3	138	EC		OTC	AW	F	16	1
7280	3	138	3	138	EC		OTC	AW	F	16	1
7296	3	138	3	138	EC		OTC	PK	M	16	1
8628	3	138	3	138	EC		OTC	VK	F	16	1
7302	3	138	3	138	EC		OTC	VK	F	16	1
8697	4	77	4	77	EC		OTC	HS	M	16	1
8461	4	77	4	77	EC		OTC	HS	M	16	1
7385	4	77	4	77	EC		OTC	HS	M	16	1
7356	4	77	4	77	EC		OTC	HS	M	16	1
7378	4	77	4	77	EC		OTC	HS	M	16	1
7387	4	77	4	77	EC		OTC	HS	M	16	1
7375	4	77	4	77	EC		OTC	HS	M	16	1
6558	3	138	3	138	EC	1	OTC	PK	M	16	1
8451	2	195	2	195	EC		OTC	CS	M	16	1
7409	2	195	2	195	EC		OTC	CS	M	16	1
6825	3	138	3	138	EC		OTC	PK	M	16	1
8648	2	195	2	195	EC		OTC	VK	F	16	1
7732	2	195	2	195	EC		OTC	AW	F	16	1
7414	2	195	2	195	EC		OTC	VK	F	16	1
8663	2	195	2	195	EC		OTC	VK	F	16	1
7442	6	74	6	74	EC		OTC	PK	M	16	1
7465	5	88	5	88	EC		OTC	AW	F	16	1
7523	4	77	4	77	EC		OTC	HS	M	16	1
7525	4	77	4	77	EC		OTC	HS	M	16	1
7515	4	77	4	77	EC		OTC	HS	M	16	1
7521	4	77	4	77	EC		OTC	GS	F	16	1
7528	4	77	4	77	EC		OTC	GS	F	16	1
8525	4	77	4	77	EC		OTC	GS	F	16	1
8548	4	77	4	77	EC		OTC	VK	F	16	1
7546	6	74	6	74	EC		OTC	PK	M	16	1
7581	2	195	2	195	EC		OTC	VK	F	16	1
7845	2	195	2	195	EC		OTC	AW	F	16	1
7626	2	195	2	195	EC		OTC	VK	F	16	1

8428	2	195	2	195	EC		OTC	AW	F	16	1
7716	2	195	2	195	EC		OTC	AW	F	16	1
7700	2	195	2	195	EC		OTC	VK	F	16	1
8686	2	195	2	195	EC		OTC	VK	F	16	1
7655	2	195	2	195	EC		OTC	VK	F	16	1
8394	2	195	2	195	EC		OTC	VK	F	16	1
8573	2	195	2	195	EC		OTC	VK	F	16	1
8681	2	195	2	195	EC		OTC	VK	F	16	1
7793	2	195	2	195	EC		OTC	AW	F	16	1
8503	2	195	2	195	EC		OTC	AW	F	16	1
8523	2	195	2	195	EC		OTC	VK	F	16	1
7849	2	195	2	195	EC		OTC	BK	M	16	1
8652	2	195	2	195	EC		OTC	PK	M	16	1
7763	2	195	2	195	EC		OTC	BK	M	16	1
8385	2	195	2	195	EC		OTC	BK	M	16	1
7766	2	195	2	195	EC		OTC	BK	M	16	1
7733	2	195	2	195	EC		OTC	BK	M	16	1
7608	2	195	2	195	EC		OTC	PK	M	16	1
7765	2	195	2	195	EC		OTC	ES	M	16	1
7747	2	195	2	195	EC		OTC	BK	M	16	1
8610	2	195	2	195	EC		OTC	BK	M	16	1
7579	2	195	2	195	EC		OTC	GF	F	16	1
8520	2	195	2	195	EC		OTC	BK	M	16	1
8650	2	195	2	195	EC		OTC	GF	F	16	1
7714	2	195	2	195	EC		OTC	BK	M	16	1
8378	2	195	2	195	EC		OTC	BK	M	16	1
8623	2	195	2	195	EC		OTC	BK	M	16	1
7661	2	195	2	195	EC		OTC	BK	M	16	1
6668	1	168	1	168	EC		OTC	PK	M	16	1
8581	2	195	2	195	EC		OTC	AW	F	16	1
7236	6	74	6	74	EC	1	OTC	AW	F	16	1
8605	3	138	3	138	EC		OTC	VK	F	16	1
7172	6	74	6	74	EC	1	OTC	VK	F	16	1
7899	7	128	7	128	EC		OTC	PK	M	16	1
8418	7	128	7	128	EC		OTC	PK	M	16	1
7900	7	128	7	128	EC		OTC	PK	M	16	1
7980	7	128	7	128	EC		OTC	PK	M	16	1
8783	7	128	7	128	EC		OTC	PK	M	16	1

7948	7	128	7	128	EC		OTC	PK	M	16	1
7982	7	128	7	128	EC		OTC	PK	M	16	1
7902	7	128	7	128	EC		OTC	PK	M	16	1
7904	7	128	7	128	EC		OTC	PK	M	16	1
8361	7	128	7	128	EC		OTC	VK	F	16	1
7908	7	128	7	128	EC		OTC	VK	F	16	1
8043	7	128	7	128	EC		OTC	VK	F	16	1
8469	7	128	7	128	EC		OTC	VK	F	16	1
7913	7	128	7	128	EC		OTC	VK	F	16	1
7881	7	128	7	128	EC		OTC	VK	F	16	1
7930	7	128	7	128	EC		OTC	VK	F	16	1
8034	7	128	7	128	EC		OTC	VK	F	16	1
8033	7	128	7	128	EC		OTC	VK	F	16	1
7890	7	128	7	128	EC		OTC	VK	F	16	1
7921	7	128	7	128	EC		OTC	VK	F	16	1
7512	4	77	4	77	EC	1	OTC	VK	F	16	1
8108	5	88	5	88	EC		OTC	HS	M	16	1
8105	5	88	5	88	EC		OTC	AW	F	16	1
8098	5	88	5	88	EC		OTC	AW	F	16	1
8153	5	88	5	88	EC		OTC	VK	F	16	1
8159	6	74	6	74	EC		OTC	AW	F	16	1
8160	6	74	6	74	EC		OTC	AW	F	16	1
8642	6	74	6	74	EC		OTC	AW	F	16	1
8210	1	168	1	168	EC		OTC	CS	M	16	1
8221	1	168	1	168	EC		OTC	CS	M	16	1
8217	1	168	1	168	EC		OTC	CS	M	16	1
8803	1	168	1	168	EC		OTC	VK	F	16	1
8450	1	168	1	168	EC		OTC	CS	M	16	1
8223	1	168	1	168	EC		OTC	VK	F	16	1
8273	5	88	5	88	EC		OTC	VK	F	16	1
8291	1	168	1	168	EC		OTC	CS	M	16	1
8332	1	168	1	168	EC	1	OTC	AW	F	16	1
8454	1	168	1	168	EC		OTC	VK	F	16	1
8315	1	168	1	168	EC		OTC	VK	F	16	1
8318	1	168	1	168	EC		OTC	VK	F	16	1
8297	1	168	1	168	EC		OTC	VK	F	16	1
8453	1	168	1	168	EC		OTC	AW	F	16	1
6474	3	138	3	138	EC		OTC	VK	F	16	1

8634	1	168	1	168	EC		OTC	VK	F	16	1
6709	4	77	4	77	EC		OTC	VK	F	16	1
6708	4	77	4	77	EC		OTC	VK	F	16	1
8661	1	168	1	168	EC		OTC	AW	F	16	1
8728	5	88	5	88	EC		OTC	VK	F	16	1
8462	6	74	6	74	EC		OTC	VK	F	16	1
7175	6	74	6	74	EC		OTC	VK	F	16	1
7195	1	168	1	168	EC		OTC	AW	F	16	1
7212	1	168	1	168	EC		OTC	AW	F	16	1
7473	1	168	1	168	EC	1	OTC	AW	F	16	1
8307	1	168	1	168	EC		OTC	AW	F	16	1
7431	6	74	6	74	EC		OTC	VK	F	16	1
8714	3	138	3	138	EC	1	OTC	VK	F	16	1
8507	2	195	2	195	EC		OTC	AW	F	16	1
7742	2	195	2	195	EC		OTC	AW	F	16	1
7727	2	195	2	195	EC		OTC	AW	F	16	1
7618	2	195	2	195	EC		OTC	AW	F	16	1
8690	2	195	2	195	EC		OTC	AW	F	16	1
7699	2	195	2	195	EC		OTC	AW	F	16	1
7723	2	195	2	195	EC		OTC	AW	F	16	1
7713	2	195	2	195	EC		OTC	AW	F	16	1
7715	2	195	2	195	EC		OTC	ES	M	16	1
7665	2	195	2	195	EC		OTC	ES	M	16	1
8713	7	128	7	128	EC		OTC	AW	F	16	1
8570	7	128	7	128	EC		OTC	AW	F	16	1
7946	7	128	7	128	EC		OTC	AW	F	16	1
7979	7	128	7	128	EC		OTC	AW	F	16	1
8613	7	128	7	128	EC		OTC	AW	F	16	1
7927	7	128	7	128	EC		OTC	AW	F	16	1
8785	7	128	7	128	EC		OTC	AW	F	16	1
8015	7	128	7	128	EC		OTC	AW	F	16	1
8695	6	74	6	74	EC		OTC	VK	F	16	1
8190	6	74	6	74	EC		OTC	PK	M	16	1
8275	5	88	5	88	EC		OTC	VK	F	16	1
8313	1	168	1	168	EC		OTC	AW	F	16	1
8328	1	168	1	168	EC		OTC	AW	F	16	1
6614	5	88	5	88	EC		OTC	PK	M	16	1
6637	5	88	5	88	EC		OTC	PK	M	16	1

8457	6	74	6	74	EC		OTC	AW	F	16	1
8725	7	128	7	128	EC		OTC	PK	M	16	1
6606	5	88	5	88	EC		OTC	PK	M	16	1
7746	2	195	2	195	EC		OTC	PK	M	16	1
8574	2	195	2	195	EC		OTC	PK	M	16	1
6796	1	168	1	168	EC	1	OTC	CS	M	16	1