

ANNUAL SYNAR REPORT

42 U.S.C. 300x-26

OMB № 0930-0222

FFY 2010

State: SC



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Substance Abuse and Mental Health Services Administration
Center for Substance Abuse Prevention
www.samhsa.gov

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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 SAPT Block Grant (45 C.F.R. 96.130 (e)).

Public reporting burden for the collection of information is estimated to average 15 hours for Section I and 3 hours for Section II, including the time for reviewing instructions, completing and reviewing the collection of information, searching existing data sources, and gathering and maintaining the data needed. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to SAMHSA Reports Clearance Officer; Paperwork Reduction Project; 1 Choke Cherry Road, 7th Floor Rockville, Maryland 20857.

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 with an expiration date of 10-31-2010.

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 2009 Compliance Progress) and future plans to ensure compliance with the Synar requirements to reduce youth tobacco access rates (FFY 2010 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 on-site technical assistance consultation.

How the Synar report can help States

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

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

Getting assistance in completing the Synar report

If you have questions about programmatic issues, you may call CSAP's Division of State Programs at (240) 276-2413 and ask for your respective State Project Officer, or contact your State Project Officer directly by telephone or e-mail using the directory provided in the FY 2010 Uniform Application, Appendix A. If you have questions about fiscal or grants management issues, you may call the Grants Management Officer, Office of Program Services, Division of Grants Management, at (240) 276-1422.

Where and when to submit the Synar report

The Annual Synar Report (ASR) must be received by SAMHSA no later than December 31, 2009. The ASR must be submitted in the **approved OMB report format**. 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 1 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 2010 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.

Each State SSA Director has been e-mailed 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:

Ms. Barbara Orlando
Grants Management Officer
Office of Program Services
Division of Grants Management
Substance Abuse and Mental Health Services Administration

Regular Mail:

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

Overnight Mail:

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

FFY 2010: 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 HEALTH SERVICES ACT AND SYNAR AMMENDMENT
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 2010 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 2010 is up-to-date and approved by the Center for Substance Abuse Prevention.
State: South Carolina
Name of Chief Executive Officer or Designee: W. Lee Catoe
Signature of CEO or Designee:
Title: _____ Date Signed: _____
If signed by a designee, a copy of the designation must be attached.

SECTION I: FFY 2009 (Compliance Progress)

YOUTH ACCESS LAWS, ACTIVITIES, AND ENFORCEMENT

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

1. Please indicate any changes or additions to the State tobacco statute(s) relating to youth access since the last reporting year. If any changes were made to the State law(s) since the last reporting year, please attach a photocopy of the law to the hard copy of the ASR and 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.) _____

c. Have there been any changes in the law concerning *vending machines*?

Yes No

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

Total ban enacted

Banned from location(s) accessible to youth

Locking device or supervision required

Other change(s) (Please describe.) _____

d. 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

2. Describe how the Annual Synar Report (see 45 C.F.R. 96.130(e)) and the State Plan (see 42 U.S.C. 300x-51) were 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.)

<http://www.daodas.state.sc.us/web>

- 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 SAPT Block Grant application process
- Distributed through the public library system
- Published in an annual register
- Other change(s) *(Please describe.)* _____

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 Alcohol and Other Drug Abuse 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 Alcohol and Other Drug Abuse Services

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):

State Law Enforcement Division

Has this changed since last year's Annual Synar Report? Yes No

4. Identify the State agency(ies) responsible for tobacco prevention activities.

Department of Alcohol and Other Drug Abuse Service

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

Yes No

a. 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.)* _____

5. Please answer the following questions regarding the State’s activities to enforce the youth access to tobacco law(s) in FFY 2009 (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 youth access to tobacco laws carried out in your State? (Check one category only.)

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

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

PENALTY	OWNERS	CLERKS	TOTAL
Number of <u>citations issued</u>	N/A	195	195
Number of <u>finances assessed</u>	N/A	Unknown	Unknown
Number of <u>permits/licenses suspended</u>	N/A		N/A
Number of <u>permits/licenses revoked</u>	N/A		N/A
Other (Please describe.)			

c. What additional activities are conducted in your State to support enforcement and compliance with State tobacco access law(s)? (Check all that apply.)

- Merchant education and/or training
- Incentives for merchants who are in compliance (e.g., reward and reminder)
- Community education regarding youth access laws
- Media use to publicize compliance inspection results
- Community mobilization to increase support for retailer compliance with youth access laws
- Other activities (Please list.) _____

Briefly describe all checked activities:

Merchant education and/or training: The DAODAS field has a strong involvement in statewide merchant education. The Palmetto Retailer Education Program (PREP) was developed four years ago and is a Department of Revenue-approved merchant education program. It is the only approved merchant education program in the state. DAODAS supported its development and initial dissemination to all of the local county agencies and now coordinates its implementation, including:

- keeping a state registry of trained merchants;
- sending out certification cards to merchants who complete the program;
- tracking participant test scores;

- maintaining a PREP website (www.prepmerchanted.org);
- printing a statewide PREP brochure;
- keeping a schedule of training offerings in the counties on the website;
- funding improvements to the training materials, including video portions that clearly state the laws and demonstrate purchase scenarios;
- maintaining a list of licensed PREP trainers;
- rewarding counties for reaching large numbers of merchants with PREP through the Synar Tobacco Enforcement Partnerships (STEP) incentive funds; and
- serving as a central repository from which county alcohol and drug abuse authorities order STEP materials, such as the participant handbooks (quality control).

This unified branding of merchant education in our state is an important step forward. There were 1,899 merchants trained in PREP in state FY09. The retail community has been very encouraging of these efforts.

Community education regarding youth access laws: Activity in this area peaked in 2006 due to the passage of the Youth Access to Tobacco Prevention Act of 2006. County authorities presented to many audiences, handed out thousands of fliers with the new penalties, and took part in hundreds of meetings with law enforcement, school personnel, and magistrates regarding how to best educate youth and offer appropriate education programs for those who were cited. While the amount of tobacco-specific education has lessened due to the law being more than three years old, there is still a great deal of attention being paid to its implementation by local law enforcement, schools, and the courts. DAODAS' statewide system of substance abuse agencies is one of the primary providers of tobacco education/cessation classes for youth who are charged. (The class can be taken in lieu of a fine.) The county authorities served 306 young people in FY08.

Media use to publicize compliance inspection results: Media activities focused specifically on the sale of tobacco products to minors were conducted by county-based agencies and community organizations throughout the state.

Community mobilization to increase support for retailer compliance with youth access laws: DAODAS supports a comprehensive compliance-check process that includes pre-notification, regular enforcement with penalties, and appropriate follow-up, analysis, and improvement.

All 33 county alcohol and drug abuse authorities are required in FFY 2010, as a part of the contract between DAODAS and each county, to implement tobacco compliance checks in at least one area of the county. DAODAS has mandated a standardized compliance-check form for all checks conducted. This database

allows DAODAS to keep a record of compliance rates by area, type of store, demographics of buyer, demographics of seller, etc.

This year, DAODAS is making a concerted effort to support local endeavors to increase enforcement. DAODAS is asking its subcontractor, the Pacific Institute for Research and Evaluation (PIRE), to use its expertise in supporting the statewide Alcohol Enforcement Team effort and to apply those “best practices” to tobacco enforcement. PIRE will work most with those counties with the highest sales rates and those that have yet to achieve consistent enforcement in an effort to drive down the state sales rates even further. One method to achieve this will be to develop a tobacco education and enforcement training for local officers. As seen in alcohol enforcement, officers’ enthusiasm for enforcing a set of laws increases dramatically when they are educated about the issue and understand the laws, something often not addressed in their Criminal Justice Academy training.

The STEP initiative began in June 2006. STEP encompasses the Synar study, the state coverage study, the tobacco compliance checks required of the counties, and the STEP incentive funds. These incentives are a system through which the counties can earn points for conducting tobacco prevention activities. The more points they earn, the greater their portion of the STEP incentive funds at the end of the year. Counties earn points for:

- serving people in merchant education;
- conducting tobacco compliance checks;
- informing state Synar staff of new tobacco outlets as they open; and
- getting local law enforcement to sign on to multi-jurisdictional law enforcement agreements around tobacco.

The state has created a formula for each of these components and staff track the points as the counties send in documentation. DAODAS’ receipt of about 20 times more compliance checks in state FY08 compared to FY06 is evidence that the goals of STEP are being reached.

- d. 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 5d, 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:

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 2009 (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.

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, 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 No, continue to Question 7b.

- b. Report the weighted and unweighted Retailer Violation Rate (RVR) estimates, and the standard error.**

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.

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

- c. Fill out Form 1 in Appendix A (Forms).** (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) (Attach completed Form 2.)

Other (Please specify.) Provide formulae 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
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 non-completion)	
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, answer the following questions about its coverage.

a. The calendar year of the latest frame coverage study: 2009

b. Percent coverage from the latest frame coverage study: 93.8%

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: 2012

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. Provide the inspection period: From 01/01/09 **To** 02/28/09
MM/DD/YY MM/DD/YY

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

226

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.

c. Fill out and attach Form 5 in Appendix A (Forms 1–5). *(Not required if the State used the Synar Survey Estimation System (SSES) to analyze the Synar survey data.)*

SECTION II: FFY 2010 (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 the:

- 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 2010. 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.

The South Carolina violation rate has been dropping over the past three years, which we plan to build on and even strengthen.

First, we continue to support statewide implementation of PREP, with every county implementing the program for interested or court-mandated merchants.

Second, DAODAS continues to require the counties to implement tobacco compliance checks.

Third, the STEP incentive program (*described in the answer to Question 5c*) is having major positive impacts, as evidenced by the increase to 1,599 tobacco compliance checks in FY08 from 83 in FY06.

Fourth, PIRE will begin working with local law enforcement to enforce tobacco laws as they have helped encourage increased underage drinking enforcement. PIRE will develop an enforcement training focusing on youth tobacco laws.

Finally, the DAODAS system of local substance abuse agencies will continue to be one of the frequent providers of education programs for youth charged for tobacco possession or consumption. To strengthen this effort, DAODAS and local prevention staff collaboratively developed the Tobacco Education Program (TEP) as the program offered consistently statewide. The original curriculum used by most counties was deemed to be insufficient, and early feedback on TEP is very positive.

3. Describe any challenges the State faces in complying with the Synar regulation. (Check all that apply.)

- Limited resources for law enforcement of youth access laws
 Limited resources for activities to support enforcement and compliance with youth tobacco access laws
 Limitations in the State youth tobacco access laws

- Limited public support for enforcement of youth 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 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 (*Please list.*) _____

Briefly describe all checked challenges and propose a plan for each, or indicate the State's need for TA related to each relevant challenge.

Law enforcement has suffered drastic funding cuts at the local and state levels, which has nearly eliminated all state tobacco law enforcement. Without STEP incentive funding, there might not be any local enforcement either.

No formal list of tobacco vendors exists for South Carolina. Vendors are not required to have a license to sell tobacco. The database of outlets consists of locations identified through alcohol license lists, lottery outlet lists, pharmacy openings, and identification by county prevention professionals and volunteers. This list is quite thorough, but requires frequent updating and de-duplication.

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 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 2010). 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 sub-column (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 non-complete 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 2010).

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

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

Calculation of Weighted Retailer Violation Rate										
										State: _____
										FFY: 2010
(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
Total										

- 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 retailer violation rate
- s.e. - standard error of the stratum RVR

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 2010).

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.**”

Inspection Tallies by Reason of Ineligibility or Noncompletion			
		State: _____	
		FFY: 2010	
(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		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		Run out of time	
Duplicate		Other noncompletion reason(s) (<i>Describe.</i>)	
Other ineligibility reason(s) (<i>Describe.</i>)			
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 2010).

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 SUBTOTALS. 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 equal the total for Column 4(c) and Column 5(c), respectively, on Form 1. If the totals do not match, please explain any discrepancies.

Synar Survey Inspector Characteristics		
		State: _____
		FFY: 2010 _____
	(1) Attempted Buys	(2) Successful Buys
Male		
15 years		
16 years		
17 years		
18 years		
Male Subtotal		
Female		
15 years		
16 years		
17 years		
18 years		
Female Subtotal		
Other		
Total		

APPENDICES 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 appendices, therefore, should generally describe the design and protocol and 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

State: SC
 FFY: 2010

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
Lottery list	6	Outlets that have applied to sell lottery tickets for the South Carolina Education Lottery	Yearly
State liquor license database	5	Department of Revenue-provided database of all liquor license outlets	Yearly
Internet business lists	1	Internet searches of various websites containing business listings	Yearly
County identified	6	County survey coordinators identify individual outlets for inclusion in the list when they find them.	Yearly

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 they are not included in the Synar survey.

- State law bans vending machines
- State law bans vending machines from locations accessible to youth

- State has SAMHSA approval to exempt vending machines from the survey
- Other (Please describe.) _____

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

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

Unstratified State-wide sample:

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

We use the SSES Sample Size Calculator to determine the appropriate amount of inspections to complete to fulfill the federal requirements. We divide the number of OTC outlets (Y) by our OTC list frame size (X). That number (Z) means we will sample every Zth outlet after ordering the list frame by county. We randomly select a number (A) from 1 to Z as our starting point. Starting with the Ath store, we select that store and A + Z, A + 2Z, A + 3Z, etc. This method ensures that all counties are included and are in equal proportion to the number of outlets they contain.

We then add all known vending machines to the sample to get the final sample. The state may round up or add additional outlets if the total is lower than the previous year.

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.)

8. Provide the following information about clustering.

a. Provide a full description of how clusters are formed. (If multi-stage 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 formulae for determining the effective, target, and original outlet sample sizes.

The SSES Sample Size Calculator was used to determine the minimum adequate sample size. To ensure the study meets SAMHSA's precision requirement, an initial safety margin of 15% was used.

Below is the formula for calculating a sample size using a 1-tail test:

Effective sample size:
$$n_e = \frac{1}{\left(\frac{(s.e.)^2}{P(1-P)} + \frac{1}{N} \right)}$$

where P is the expected violation rate (previous year's RVR), s.e. is the standard error of the estimate for 3% margin of error for two-sided (one-sided) confidence interval, 0.0153 for two-sides, 0.0183 for one-sided, and N is the total number of outlets in the sampling frame.

The target sample size (nt) is the effective sample size multiplied by the design effect from the previous year's study.

The original sample size is determined by:
$$n_o = (1 + s) \frac{n_t}{r_l r_c}$$

where s is a safety margin (15%), rl is the expected eligibility rate (taken from the results of the previous year's study), and rc is the expected completion rate (taken from the results of the previous year's study).

We use the Planned Original Sample Size to determine how many OTC outlets to include in the study (and may typically round this number up). We then add all vending machine outlets to this number. If this final number of outlets is lower than the previous year's study total, the state may consider raising the sample size to closer to the previous year's total to increase precision even further beyond requirements and maintain a level of consistency for the county providers that conduct the inspections.

APPENDIX C: SYNAR SURVEY INSPECTION PROTOCOL

State: SC
FFY: 2010

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 Not Permitted
 Permitted under specified circumstances Not specified in protocol

b. Youth inspectors to carry ID?

- Required Not Permitted
 Permitted under specified circumstances Not specified in protocol

c. Adult inspectors to enter the outlet?

- Required Not Permitted
 Permitted under specified circumstances Not specified in protocol

d. Youth inspectors to be compensated?

- Required Not Permitted
 Permitted under specified circumstances Not specified in protocol

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): _____

3. Are Synar inspections combined with law enforcement efforts (i.e., do law enforcement 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 methods used to recruit, select, and train youth inspectors and adult supervisors.

Inspections are conducted by county alcohol and drug abuse authorities. Each agency appoints a survey coordinator, who is responsible for the recruitment and training of both youth inspectors and adult supervisors. Coordinators recruit youth from the families and friends of agency employees, local churches, schools, youth programs, and any other source of potential volunteers. Adult volunteers are usually agency staff and some parents of youth volunteers.

Each county is required to use a roughly equal number of males and females and a roughly equal number of 15-, 16-, and 17-year-olds. Counties are asked to use inspectors who match the racial make-up of the outlet community if there is a predominant race. In addition, coordinators are instructed to permit each youth inspector to make no more than nine completed eligible purchase attempts, to guard against the personal characteristics of a single youth creating a bias in that county.

Prior to the start of youth recruitment and data collection, new agency coordinators receive a training session at the DAODAS office in Columbia. During this training, they are provided with notebooks containing survey instructions, background materials, and data-collection forms. During the training, coordinators are instructed on methodology. County coordinators then provide training at the local level for their own volunteers, with assistance from DAODAS if necessary. Experienced agency coordinators are required to participate in a conference call to review the key directives and requirements.

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

a. Legal **Yes** **No** (*If Yes, please describe.*)

Our state allows for the purchase of tobacco by a minor "participating within the course and scope of an authorized inspection or compliance check." The "authorized inspection" language was inserted at the request of the state Synar staff. Each local inspection team is required to carry a letter signed by Michelle Nienhius, State Synar Coordinator, stating that the youth are not in violation of the law by participating in these inspections.

b. Procedural **Yes** **No** (*If Yes, please describe.*)

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

a. Legal **Yes** **No** (*If Yes, please describe.*)

b. Procedural **Yes** **No** (*If Yes, please describe.*)

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

a. Legal **Yes** **No** *(If Yes, please describe.)*

b. Procedural **Yes** **No** *(If Yes, please describe.)*

Youth receive training from the county coordinators prior to the inspections. Youth must be between the ages of 15 and 17. There are no specific time-of-day requirements, but all surveys must be completed between January 1 and February 28.

Youth and their parents or guardians complete permission forms prior to participation.

APPENDIX D: LIST SAMPLING FRAME COVERAGE STUDY

(LIST FRAME ONLY)

State: SC

FFY: 2010

1. Calendar year of the coverage study: 2009

2. Percent coverage found: 94%

(Provide calculation of the percent coverage.)

144 outlets were located in the inspected census tracts. Only 9 were found not to exist on the State master outlet list, meaning 135 of 144 tracts (93.8%) were on the list.

3. Provide a description of the coverage study methods and results.

State staff created a frame list of all state census tracts and then randomly selected 25 census tracts using a random number chart. These tracts were visited, starting at the beginning of the list, until we were well over the federal minimum of outlets located. We visited 18 census tracts and found 144 outlets. All were visited in September and October 2009.

State staff were present for all coverage study canvassing operations, accompanied by one other paid or volunteer canvasser.

Using Internet maps and census boundaries, the area was indicated on the map and initial routes were planned to travel every road in the tract. All obvious tobacco outlets from a visual inspection were recorded. A member of the team entered any location with the potential for tobacco sales and recorded those that sell.

Upon completion of the canvassing, state staff attempted to match all found outlets to the state frame list. Those that could not confidently be matched were considered to be missing from the frame list. 135 outlets were found to be accounted for, and 9 were not.

APPENDIX E: TABLES 1-4

SSES Table 1 (Synar Survey Estimates and Sample Sizes)

CSAP-SYNAR REPORT

State	SC
Federal Fiscal Year (FFY)	2010
Date	3/24/2009 13:56
Data	SSESpred_FFY2010_March24.xls
Analysis Option	Stratified SRS with FPC

Estimates

Unweighted Retailer Violation Rate	11.0%
Weighted Retailer Violation Rate	10.8%
Standard Error	1.3%
Is SAMHSA Precision Requirement met?	YES
Right-sided 95% Confidence Interval	[0.0%, 13.0%]
Two-sided 95% Confidence Interval	[8.2%, 13.4%]
Design Effect	1.0
Accuracy Rate (unweighted)	81.5%
Accuracy Rate (weighted)	82.1%
Completion Rate (unweighted)	100.0%

Sample Size for Current Year

Effective Sample Size	297
Target (Minimum) Sample Size	297
Original Sample Size	612
Eligible Sample Size	499
Final Sample Size	499
Overall Sampling Rate	7.9%

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

STATE: SC
FFY: 2010

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(%)
All Outlets											
1	1	7,763	6,374	N/A	N/A	598	491	491	53	10.8%	
2	2	14	8	N/A	N/A	14	8	8	2	25.0%	
Total		7,777	6,382			612	499	499	55	10.8%	1.3%
Over the Counter Outlets											
1	1	7,763	6,374	N/A	N/A	598	491	491	53	10.8%	
2	2	0	0	N/A	N/A	0	0	0	0	0.0%	
Total		7,763	6,374			598	491	491	53	10.8%	1.3%
Vending Machines											
1	1	0	0	N/A	N/A	0	0	0	0	0.0%	
2	2	14	8	N/A	N/A	14	8	8	2	25.0%	
Total		14	8			14	8	8	2	25.0%	0.0%

SSES Table 3 (Synar Survey Sample Tally Summary)

STATE: SC
FFY: 2010

Disposition Code	Description	Count	Subtotal
EC	Eligible and inspection complete outlet	499	
Total (Eligible Completes)			499
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	42	
I2	Does not sell tobacco products	45	
I3	Inaccessible by youth	7	
I4	Private club or private residence	0	
I5	Temporary closure	6	
I6	Unlocatable	10	
I7	Wholesale only/Carton sale only	0	
I8	Vending machine broken	0	
I9	Duplicate	3	
I10	Other ineligibility	0	
Total (Ineligibles)			113
Grand Total			612

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

STATE: SC
FFY: 2010

Frequency Distribution

Gender	Age	Number of Inspectors	Attempted Buys	Successful Buys
Male	14	0	0	0
	15	36	82	5
	16	38	89	7
	17	36	81	12
	18	0	0	0
	Subtotal	110	252	24
Female	14	0	0	0
	15	39	89	11
	16	40	74	10
	17	37	84	10
	18	0	0	0
	Subtotal	116	247	31
Other		0	0	0
Grand Total		226	499	55

Buy Rate in Percent by Age and Gender

Age	Male	Female	Total
14	0.0%	0.0%	0.0%
15	6.1%	12.4%	9.4%
16	7.9%	13.5%	10.4%
17	14.8%	11.9%	13.3%
18	0.0%	0.0%	0.0%
Other			0.0%
Total	9.5%	12.6%	11.0%