

# **ANNUAL SYNAR REPORT**

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

OMB № 0930-0222

**FFY 2023**

**State: Kansas**

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## INTRODUCTION

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

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

In accordance with the tobacco regulations, states are required to provide detailed information on progress made in enforcing youth 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

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

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

### **Where and when to submit the Synar report**

The ASR must be received by SAMHSA no later than December 31, 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 2022 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:</b> Kansas	
<b>Name of Chief Executive Officer or Designee:</b> Andrew Brown	
<b>Signature of CEO or Designee:</b>	
<b>Title:</b> Commissioner, Behavioral Health Services	<b>Date Signed:</b> 12/20/2022
<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 (/ 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: <http://www.kdads.ks.gov/commissions/behavioral-health/publications-and-reports>

Date published: 12/21/2022

- 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.)* Reviewed by the Kansas Synar Advisory Group

**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:**

Kansas Department for Aging and Disability 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:**

Kansas Department of Revenue

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):**

Kansas Department of Revenue and local law enforcement agencies

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).**

The lead Synar agency (Kansas Department of Aging and Disability Services (KDADS) and the Kansas Tobacco Prevention Agency (Kansas Department of Health and Environment) work collaboratively through the Synar Advisory Group established in June 2005.

**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.)* \_\_\_\_\_
- 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)).**

Kansas Department of Revenue

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**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>	161	161	322
Number of <u>finest assessed</u>	161	UNK	UNK
Number of <u>permits/licenses suspended</u>	0		0
Number of <u>permits/licenses revoked</u>	0		0
Other (Please describe.)	0	0	0

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:

Neither CATE Team inspections nor Synar inspections are preceded by a letter of notification or any type of announcement. Because CATE and FDA inspections occur year-round and concurrently with Synar inspections, retailers have no indication or distinction between inspection types.

Prior to 7/1/22, controlled buy cases were submitted to county attorneys to determine whether to prosecute. Because of vast differences at the county level in managing these cases, the Kansas Department of Revenue decided to stop submitting cases to county attorneys. This decision went into effect 7/1/22 and reflected a change in process but did not impact state law.

**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 Kansas Department of Aging and Disability Services and the Kansas Department of Revenue collaboratively established the Cigarette and Tobacco Enforcement (CATE) Team devoted to tobacco compliance and enforcement. The CATE Team is comprised of nine field inspectors, who provide statewide coverage of all 105 Kansas counties, and a staff attorney and an administrative assistant, who assist with the prosecution of the issued citations, including the administrative hearing process which may result in fines and/or suspension or revocation of the license, collect and track some of the relevant data needed to show compliance, and perform other duties that support the field staff and help carry out the mission of CATE and enforcement of the cigarette and tobacco laws.

From October 1, 2021, to September 30, 2022, the CATE Team completed 1,595 retailer inspection visits.

CATE conducts a minimum of one controlled buy enforcement visit at all licensed retail locations that are youth accessible. They also target enforcement revisits in locations that have failed previous enforcement visits from either Synar or CATE. Revisits consist of performing an inspection, including checking for the posting of the State issued license, verifying that the required posting of signage that states that the retail dealer does not sell to persons under 18 years of age. In addition, the following are completed during a revisit: random check of cigarette packages for the State's tax stamp; confirming that the brands sold are listed on the Kansas Attorney General's directories of approved brands permitted to be sold in the state; asking the retail dealer if they retain three years of invoices on the premises; and address any questions that staff may have. CATE inspectors provide education and information to discuss the techniques to verify age when a Kansas driver's license is presented. Sample driver's licenses are shown and discussed with available staff,

noting the slogan, “vertical and green, not 18,” as an age verification identifier of the Kansas driver’s license.

CATE inspectors conduct educational visits as well as inspections. On an education visit, licensees may be given a written warning for any violations found, whereas at the actual inspection, and licensees may be issued a written citation for the violations. The inspector will have an employee or manager, if available, sign the checklist and leave a business card for the licensee to call for further retailer training or questions they may have later. Inspectors also note that the CATE Team will be periodically performing inspections to curb sales of tobacco to minors by sending an underage youth into the establishment to attempt to purchase cigarettes.

CATE maintains a database with updates from the enforcement activities; provides timely information upon request from KDADS to assist with the monitoring, evaluating, planning, and data collecting of the Synar effort.

- 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

- 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.*) *Additional Enforcement and Inspector Synar protocol and data collection training; Supplemental Synar Analysis Report*

**Synar protocol and data collection training**

The lead Cigarette Tobacco Manager together with the lead Synar analyst contracted by KDADS, presented a Synar protocol refresher course to all CATE inspectors in the state on May 04, 2022. The purpose of the training was to ensure that all inspectors conducting the Synar inspections were fully informed of proper protocol and procedures.

**Supplemental Synar Analysis Report**

After the Synar cycle each year, a report is developed to further analyze violations. A ‘hot spot’ map is created to help determine areas where additional education visits might be needed. The report also analyzes violations in relation to clerk and UCI gender and age whether age was asked, and ID was checked.

## 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 2021 (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      ×      )      =  
plus      (1.645      times      Standard Error )      equals      Right Limit

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

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

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

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

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

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

- Yes  No  No stratification

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

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

- Yes  No

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

*If No, go to Question 7g.*

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

- Yes  No

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

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

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

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

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

Yes  No

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

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

**b. Percent coverage from the latest Sampling frame coverage study: 99.6%**

**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: 2027**

**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 06/01/22 to 09/30/22**  
MM/DD/YY MM/DD/YY

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

18

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.

There were 18 youth inspectors. The SSES Table 4 will show 20 youth inspectors. Two underage cooperating individuals had birthdays during the inspection period, which duplicated their count in SSES Table 4.

**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 2022. 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 Kansas Department for Aging and Disability Services will work collaboratively with the Kansas Department of Revenue to continue the efforts of the Cigarette and Tobacco Enforcement Team. Activities will encompass year-round checks that include educational visits, enforcement visits and controlled buys.

The Synar Advisory Group (SAG) composed of state agencies, tobacco-related grantees, Tobacco Free Kansas and other stakeholders will meet biannually at a minimum to review the Annual Synar Report to review the data from the CATE inspections and make additional education visits as needed. Members of the SAG will also contribute to a comprehensive State tobacco prevention plan. This effort will be undertaken specifically by the Kansas Department of Health and Environment and the Tobacco Free Kansas Coalition.

#### **Anticipated Changes:**

State Legislation will be introduced to increase the legal age to purchase to 21. In anticipation of this change, KDADS and the SAG will work with KDOR to update the Synar protocol to include inspections by young adults aged 18 to 20.

Changes in methodology are also anticipated. Using the SSES optimum allocation reduced the number of inspections in high-cost areas, however, with the low RVR, particularly in some of the stratum, the overall sampling rate was relatively small. In FY 2022 stratum three had zero retailer violations. The SSES will not automatically calculate a stratum sample size with RVR less than 1.0%. After discussion with the Kansas Synar Project Officer, it was determined the best approach was to use a three-year average RVR for that stratum in the SSES calculation (6.2%). Despite these efforts the SAMHSA precision requirement was not met. In FY 2023 stratum four had zero violations, which would pose a similar situation for the calculation of the next Synar sample. As a result, Kansas is reviewing the best options for

changing the sample methodology which may include further increasing the safety margin, changing from the optimum to the proportional allocation method, or increasing the overall sampling rate. The changes will be submitted to CSAP for approval prior to implementation and will be included in the action plan to address the precision requirements.

**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

Resources continue to be limited due to local and state level staffing issues particularly for coverage in rural areas. In addition, state revenues continue to decline as a result of the economy and budget cuts.

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

- Limitations in the state youth and young adult tobacco access laws

Kansas has not yet passed a state law that extends the legal age to purchase tobacco products from the age of 18 to 21. Tobacco Free Kansas will be introducing legislation in 2023 to address the age change.

- 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

Kansas law prohibits minors from attempting to purchase tobacco. However, there are statutory exceptions provided in KSA 79-3394. The specific language of this statute is:

No persons shall engage or direct a minor to violate any provision of this act for purposes of determining compliance with provisions of this act of the Kansas consumer protection act unless such persons has procured the written consent of a parent or guardian of the minor to so engage or direct the minor and such person is:

- a) An officer having authority to enforce the provisions of this act;
- b) An authorized representative of the attorney general, a county attorney or a district attorney; or



c) An authorized representative of a business acting pursuant to a self-compliance program designed to increase compliance with the provisions of this act.

History: L.1996, ch.214 17: July 1.

Difficulties recruiting youth and young adult inspectors

Youth are recruited from a variety of groups including SADD, ROTC, churches, Boy Scouts, and local law enforcement referrals. Due to the lack of set hours, dates of inspections, and busy or conflicting schedules of youth, recruitment and continued employment of the Underage Cooperating Individuals (UCIs) is challenging.

Recruitment continued to be a challenge. When inspectors were asked why they thought recruitment was difficult, several answers were given. Some suggested it was due to low pay, lack of interest, or because it was summertime.

Issues regarding the balance of inspections conducted by youth inspectors aged 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

Kansas is 400 miles long and 210 miles wide. These 82,823 square miles constitute 105 counties that, for the purposes of Synar sampling, are divided into four strata based on natural population breakpoints from the 6-17-year-old population of the 2000 U.S. Census. Most counties (69) reside in 'sparse rural' areas. CATE visits to all licensed retail locations per year is challenging given the demographic and logistical considerations in Kansas.

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

Language barriers exist within ethnic and cultural groups. Due to multiple dialects, the state is challenged to provide resources and material that are culturally appropriate and intelligent.

Issues regarding sources of tobacco under tribal jurisdiction

Other challenges (*Please list.*)

## APPENDIX A: FORMS 1-5

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

**CSAP-SYNAR REPORT**

State	KS
Federal Fiscal Year (FFY)	2023
Date	11/7/2022 15:19
Data	SSES Ready 2023.xlsx
Program Version	Version 7.0
Analysis Option	Stratified SRS with FPC

**Estimates**

Unweighted Retailer Violation Rate	7.3%
Weighted Retailer Violation Rate	6.6%
Standard Error	1.8%
Is SAMHSA Precision Requirement met?	NO
Right-sided 95% Confidence Interval	[0.0%, 9.6%]
Two-sided 95% Confidence Interval	[3.0%, 10.2%]
Design Effect	0.9
Accuracy Rate (unweighted)	95.3%
Accuracy Rate (weighted)	96.1%
Completion Rate (unweighted)	97.8%

**Sample Size for Current Year**

Effective Sample Size	205
Target (Minimum) Sample Size	144
Original Sample Size	191
Eligible Sample Size	182
Final Sample Size	178
Overall Sampling Rate	8.3%

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

STATE: KS

FFY: 2023

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	583	540	N/A	N/A	54	50	47	3	6.4%	
2	2	448	422	N/A	N/A	69	65	64	6	9.4%	
3	3	708	708	N/A	N/A	41	41	41	4	9.8%	
4	4	513	494	N/A	N/A	27	26	26	0	0.0%	
Total		2,252	2,164			191	182	178	13	6.6%	1.8%
<b>Over the Counter Outlets</b>											
1	1	583	540	N/A	N/A	53	49	47	3	6.4%	
2	2	448	415	N/A	N/A	66	64	63	6	9.5%	
3	3	708	708	N/A	N/A	41	41	41	4	9.8%	
4	4	513	494	N/A	N/A	27	26	26	0	0.0%	
Total		2,252	2,157			187	180	177	13	6.6%	1.8%
<b>Vending Machines</b>											
1	1	0	0	N/A	N/A	1	1	0	0	0.0%	
2	2	0	7	N/A	N/A	3	1	1	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%	
Total		0	7			4	2	1	0	0.0%	0.0%

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

STATE:  
KS  
FFY:  
2023

Disposition Code	Description	Count	Subtotal
EC	Eligible and inspection complete outlet	178	
Total (Eligible Completes)			178
N1	In operation but closed at time of visit	3	
N2	Unsafe to access	1	
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)			4
I1	Out of Business	2	
I2	Does not sell tobacco products	4	
I3	Inaccessible by youth	0	
I4	Private club or private residence	0	
I5	Temporary closure	3	
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)			9
Grand Total			191

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

STATE:  
KS  
FFY:  
2023

**Frequency Distribution**

Gender	Age	Number of Inspectors	Attempted Buys	Successful Buys
Male	14	0	0	0
	15	0	0	0
	16	9	66	7
	17	2	22	2
	18	0	0	0
	19	0	0	0
	20	0	0	0
	Subtotal	11	88	9
Female	14	0	0	0
	15	0	0	0
	16	6	71	2
	17	3	19	2
	18	0	0	0
	19	0	0	0
	20	0	0	0
	Subtotal	9	90	4
Other		0	0	0
Grand Total		20	178	13

**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	10.6%	2.8%	6.6%
17	9.1%	10.5%	9.8%
18	0.0%	0.0%	0.0%
19	0.0%	0.0%	0.0%
20	0.0%	0.0%	0.0%
Other			0.0%
Total	10.2%	4.4%	7.3%

**SSES Table 5 (Synar Survey Inspection Raw Data)**

Note: Data uploaded in WebBGAS

**SSES Table 6 (Synar Survey Inspection Results by Type of Product)**

STATE: KS

FFY: 2023

**Frequency Distribution and Buy Rate**

Product Type	Attempted Buys	Successful Buys	Violation Rate (%)
Cigarettes	178	13	7.3%
Small cigars/Cigarillos	0	0	0.0%
Smokeless tobacco	0	0	0.0%
ENDS	0	0	0.0%
Other	0	0	0.0%
Missing	0	0	0.0%
Invalid	0	0	0.0%
Grand Total	178	13	7.3%

**Note:** All inspections were for cigarettes, so no further breakdown tables are needed/shown.

**SSES Table 7 (Synar Survey Inspection Results by Type of Retail Outlet)**

STATE: KS

FFY: 2023

**Frequency Distribution and Buy Rate**

Retail Outlet	Attempted Buys	Successful Buys	Violation Rate (%)
Gas Station	0	0	0.0%
Tobacco Store	0	0	0.0%
Restaurant	0	0	0.0%
Hotel	0	0	0.0%
Grocery Store	0	0	0.0%
Drug Store	0	0	0.0%
Other	0	0	0.0%
Missing	178	13	7.3%
Invalid	0	0	0.0%
Grand Total	178	13	7.3%

**SSES Table 8 (Synar Survey Inspection Results by Clerk Asked for ID)**

STATE: KS

FFY: 2023

**Frequency Distribution and Buy Rate**

Clerk Asked for ID	Attempted Buys	Successful Buys	Violation Rate (%)
Yes	168	8	4.8%
No	10	5	50.0%
Missing	0	0	0.0%
Invalid	0	0	0.0%
Grand Total	178	13	7.3%

**SSES Table 8 (Synar Survey Inspection Results by Clerk Asked for ID)**

STATE:

KS

FFY:

2023

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

Male								
Clerk Asked for ID	Age							Total
	14	15	16	17	18	19	20	
Yes	0.0%	0.0%	6.5%	9.1%	0.0%	0.0%	0.0%	7.1%
No	0.0%	0.0%	75.0%	0.0%	0.0%	0.0%	0.0%	75.0%
Missing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Invalid	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Male	0.0%	0.0%	10.6%	9.1%	0.0%	0.0%	0.0%	10.2%

Female								
Clerk Asked for ID	Age							Total
	14	15	16	17	18	19	20	
Yes	0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	2.4%
No	0.0%	0.0%	0.0%	50.0%	0.0%	0.0%	0.0%	33.3%
Missing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Invalid	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Female	0.0%	0.0%	2.8%	10.5%	0.0%	0.0%	0.0%	4.4%

All								
Clerk Asked for ID	Age							Total
	14	15	16	17	18	19	20	
Yes	0.0%	0.0%	4.6%	5.4%	0.0%	0.0%	0.0%	4.8%
No	0.0%	0.0%	50.0%	50.0%	0.0%	0.0%	0.0%	50.0%
Missing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Invalid	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Grand Total	0.0%	0.0%	6.6%	9.8%	0.0%	0.0%	0.0%	7.3%



## APPENDIX B: SYNAR SURVEY SAMPLING METHODOLOGY

State: Kansas  
 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
Kansas Department of Revenue (KDOR) / Division of Taxation	3	KDOR/Division of Taxation maintains a database of all tobacco licenses and vending machine permits in Kansas.	Licenses to sell cigarettes in the State of Kansas are valid for a maximum of two years. All licenses expire on December 31 <sup>st</sup> of odd years and must be renewed by January 1 <sup>st</sup> of even years, regardless of issue date.

**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.**

Kansas is about 400 miles long and 210 miles wide. These 82,823 square miles constitute 105 counties that for purposes of Synar sampling are divided into four strata based on natural population breakpoints from the 6-17-year-old population of the U.S. Census data to accurately reflect the current demographics in the state. The six counties in stratum 2 are

considered “quasi-urban.” Stratum 3 has 28 counties considered to be “medium-sized rural” and the majority of counties (69) reside in stratum 4 ‘sparse rural’ areas.

**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.**

The SSES sample size calculator is used to estimate the sample size. To help ensure the study meets SAMHSA’s precision requirement, a safety margin of 25% was applied. The formula for calculating the effective sample size,  $n_e$ , is based on page 35 (formula S3.4) of the Sample Design Guidance. It is written as:

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

where  $P$  is the expected Retail Violation Rate (RVR) (for which the previous year’s RVR can be used), 0.0182 is the standard error of the estimate for 3% margin of error for one-sided 95% confidence interval, and  $N$  is the outlet population (frame) size. The target sample size should be derived as the effective sample size multiplied by the design effect ( $n_t = dn_e$ ).

The original sample size is determined by inflating the target sample size by the expected eligibility rate ( $r_l$ ) and the expected completion rate ( $r_c$ ). The original sample size can be written as:

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

Where  $r_l$  = the eligibility rate from the previous year's survey and  $r_c$  = the completion rate from the previous year's survey.

Using the SSES software, Kansas also applies the optimum allocation. This method uses the total number of outlets, the standard error, and the square root of the cost factors to allocate the minimal number of outlets with minimal cost:

$$N_h SE n \sim h h C_h$$

where  $c_h$  is the cost ratio of stratum  $h$ . The cost ratio is an estimate of the cost to inspect one outlet in stratum  $h$  divided by the cost to inspect one outlet in the least expensive stratum (formula S3.12).

**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: 13.0% (Fixed RVR based on 2018 corrective action plan)

Frame Size: 2,252

**Input for Target Sample Size:**

Design Effect: 0.7

**Inputs for Original Sample Size:**

Safety Margin: 25%

Accuracy (Eligibility) Rate: 97.3%

Completion Rate: 97.1%

- 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:**

Stratum ID	Stratum size 2023	Stratum RVR 2022	Cost weight of inspections	Stratum Sample Size [Optimum]
1	583	3.9	1	54
2	448	11.8	1	69
3	708	6.2	4	41
4	513	8.0	6	27
				191

**Note:** Stratum 3 RVR for 2022 was 0%.

Estimate used is based on past three-year average.

See discussion in Section II, Q2, pg. 11-12

- 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.**

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# APPENDIX C: SYNAR SURVEY INSPECTION PROTOCOL SUMMARY

State: Kansas  
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: An adult inspector can enter an establishment if the Underage Cooperating Individual (UCI) has been in an establishment longer than what would be necessary to complete a transaction. For example, a grocery store or department store when the check-out line may be long)
- 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): Kansas Department of Revenue

**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.**

Synar inspections only include cigarettes. Brand requested during an inspection is based on the area where the inspection is taking place. The type and brand of products requested during CATE inspections is dependent on the Investigator.

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

All adults working with minors are KDOR commissioned inspectors. The inspectors are recruited through the State Department of Administration website and other state and local resources. They are selected through the standard interview process. All inspectors have a background check completed as part of the hiring process. Training for the inspectors is a 1-2-month process and includes training at the KDOR office for a week followed by a week of on-site field supervision. Additionally, inspectors spend at least two weeks with other inspectors with supervisory follow-up in specific areas as needed.

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

Youth are recruited from various sources throughout communities in the state, such as local substance abuse coalitions, health departments, schools and home-schooled youth. They are contacted by KDOR to schedule a meeting with them and their parents to explain the process, expectations and safeguards for the minors. If they are still interested, a background check is conducted to ensure that the youth do not have criminal record. Community members (law enforcement, teacher, etc.) are interviewed to ensure the youth are of good character. Applications are reviewed and approved by inspectors and a panel of KDOR administration. KDOR inspectors train all youth on inspection protocol and safety issues.

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.)*

Kansas State law provides for the immunity of minors participating in the tobacco compliance checks and alcohol sales.

b. Procedural

Yes  No

*(If Yes, please describe.)*

7. Are there specific legal or procedural requirements instituted by the state to address the issue of the safety of youth and young adult 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.)*

If either the minor or the inspector feels that the outlet is unsafe to enter at the time of inspection, the inspection is not attempted. Inspectors observe the minor during the transaction from either within or outside the establishment to ensure the safety of the minor and to monitor the transaction. In addition, some inspectors team up with another inspector in order to have an inspector present with the UCI at all times to ensure their safety and protection

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.)*



In accordance with Department of Labor, Child Labor provisions of the FSLA, youth inspectors must be at least 16 years of age. In addition, youth inspectors are not older than 17 years 6 months.

**b. Procedural**

**Yes**    **No**

*(If Yes, please describe.)*

During inspections, UCIs are instructed to answer questions honestly; however, UCIs are instructed to respond “No” if asked the question “Are you working with law enforcement?”

# APPENDIX D: LIST SAMPLING FRAME COVERAGE STUDY

(LIST FRAME ONLY)

State: Kansas  
FFY: 2023

1. Calendar year of the coverage study: 2022

2. a. Unweighted percent coverage found: 100%  
b. Weighted percent coverage found: 99.6%  
c. Number of outlets found through canvassing: 173  
d. Number of outlets matched on the list frame: 173

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

Four areas were stratified in accordance with the Synar sampling process. Areas were defined as zip codes, clusters of zip codes, or segments of zip codes.

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

Yes  No

If Yes, please explain.

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

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

Census (Go to Question 6.)

**Unstratified statewide sample:**

Simple random sample (Respond to Part b.)

Systematic random sample (Respond to Part b.)

Single-stage cluster sample (Respond to Parts b and d.)

Multistage cluster sample (Respond to Parts b and d.)

**Stratified sample:**

Simple random sample (Respond to Parts b and c.)

Systematic random sample (Respond to Parts b and c.)

Single-stage cluster sample (Respond to Parts b, c, and d.)

Multistage cluster sample (Respond to Parts b, c, and d.)

Other (Please describe and respond to Part b.) \_\_\_\_\_

**b. Describe the sampling methods.**

The coverage study employed a two-stage area sample design approved by SAMHSA with a target sample size of about 170 outlets across the state.

Two counties were randomly selected for canvassing in stratum 1 (urban) and stratum 2 (quasi-urban). Three counties were randomly selected for canvassing in stratum 3 (medium-sized rural) and stratum 4 (sparse rural). Each selected county was partitioned into smaller segments with approximately equal numbers of outlets per segment. Using the Kansas tobacco license list as a guide to approximate number of outlets, partitioning involved sorting zip codes in each county. Small zip codes (<8 outlets) were combined, and large zip codes (>20 outlets) were partitioned into smaller units with a goal being an average segment area size of between 10 and 15 outlets. Large zip codes were segmented by logical geographic boundaries. Four zip code segments were then randomly selected for canvassing in strata 1, 2, and 3. To meet the desired sample, seven segments were randomly selected for canvassing in stratum 4. One to two segments per county were then randomly selected for canvassing.

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

The coverage study used the same stratification used in the Synar sample. The 105 counties of Kansas are divided into four strata based on natural population breakpoints from the 6–17-year-old population. Stratum 1 represents the two most populated counties in the state. The six counties in Stratum 2 are considered “quasi-urban”. Stratum 3 has 28 counties considered to be “medium-sized rural” and the majority of counties (69) reside in Stratum 4, “sparse rural” areas.

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

As described in 4.b., clustering of small zip codes areas (<8 outlets) and partitioning of large zip codes (>20 outlets) occurred prior to random selection to try to ensure relatively equal number of outlets per segment using logical geographic boundaries when possible.

**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 canvassers checked all stores in their assigned area and completed the required fields in the online data collection form. If they could not visibly see tobacco products or were unsure whether the establishment sold tobacco products, they were requested to ask. They were also asked to indicate whether the business had an age-restriction (bar, liquor store, etc.) or were not youth accessible. If a store was unsafe to enter but appeared that it might sell cigarettes, canvassers record the name and address of the business but reported that no one entered the store to verify. These sites were then checked against the license list and follow-up verification was done if needed.

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.)

An outlet found during canvassing was considered a match to the list frame when the store name, address and/or geospatial location was the same. Canvassing data collection entries were compared to the current tobacco license list. If discrepancies were found (e.g., name or

location provided by canvasser could not be found in the list), the lead Synar Analyst tried to contact the business to examine further. KDOR was also contacted to compare sites to their license list for further examination and clarification. If it was determined that the canvasser had the wrong address or name on the form, but the correct information for that location was found, it was considered a match.

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

	Col. A	Col. B	Col. C	Col. D		
	Population N	Proportion of Population $\frac{\text{Col. A}}{2252}$	Sample n	Proportion of sample $\frac{\text{Col. C}}{173}$	Weight $\frac{\text{Col. B}}{\text{Col. D}}$	Applied weights
Stratum 1	583	.26	55	.32	.81	44.6
Stratum 2	448	.20	43	.25	.80	34.4
Stratum 3	708	.31	46	.27	1.15	52.9
Stratum 4	513	.23	30	.17	1.35	40.5
Total	2252		173			172.4
$172.4 / 173 = 99.6\%$						