

**CURRENT POPULATION SURVEY,
January 2023
Tobacco Use Supplement FILE
TECHNICAL DOCUMENTATION
CPS—23**

This file documentation consists of the following materials:

Attachment 1	Abstract
Attachment 2	Overview - Current Population Survey
Attachment 3a	Overview – January 2023 Tobacco Use Supplement
Attachment 3b	Overview- TUS-CPS Data Harmonization and Its Linkages to Other CPS Supplements and Health Outcomes Data
Attachment 4	Glossary
Attachment 5	How to Use the Record Layout
Attachment 6	Basic CPS Record Layout
Attachment 7	Current Population Survey, January 2023 Tobacco Use Supplement Record Layout
Attachment 8	Current Population Survey, January 2023 Tobacco Use Supplement Questionnaire
Attachment 9	Industry Classification Codes
Attachment 10	Occupation Classification Codes
Attachment 11	Specific Metropolitan Identifiers
Attachment 12	Dynamic Topcoding of Usual Hourly Earnings
Attachment 12a	Topcoding of Usual Hourly Earnings
Attachment 13	Tallies of Unweighted Counts
Attachment 14	Countries and Areas of the World
Attachment 15	Allocation Flags
Attachment 16	Source and Accuracy of the January 2023 Tobacco Use Supplement Data
Attachment 17	User Notes

NOTE

Questions about **the design, data collection, and CPS-specific subject matter** should be directed to Tim Marshall, Associate Directorate Demographic Programs, U.S. Census Bureau, Washington, D.C. 20233. Phone: (301) 763-3806.

Questions about the **TUS subject matter** should be directed to the National Cancer Institute's Division of Cancer Control and Population Sciences, Behavior Research Program at ncidccpsbrpadvances@mail.nih.gov

The U.S. Census Bureau reviewed this data product for unauthorized disclosure of confidential information and approved the disclosure avoidance practices applied to this release. CBDRB-FY23-0391.

ABSTRACT

The National Cancer Institute (NCI) of the National Institutes of Health (NIH) and the U.S. Food and Drug Administration (FDA) sponsored a Tobacco Use Supplement (TUS) to the Current Population Survey (CPS) conducted by the U. S. Census Bureau. - Washington: U. S. Census Bureau [producer and distributor], January 2023.

Type of File:

Microdata; unit of observation is person.

Universe Description:

For January 2023, the universe is person level for all persons aged 18 and above (prior to 2007 TUS also included those 15–17 years old) in the civilian noninstitutional population of the United States and completed the labor force interview.

The probability sample selected to represent the universe consisted of 42,081 households.

The supplement universe has the following conditions:

- HRINTSTA = 1
- PRPERTYP = 2
- PRTAGE greater than or equal to 18
- HRMIS in 1, 2, 3, 4, 5, 6, 7, 8
- PEELGFLG = 1

Questionnaire Structure: The supplement is structured in Sections A through K (except I)

- Section A screened for prior cigarette usage and current usage status of every day smoker, some days smoker, former smoker (now “not at all” smoking), and never smoker (“never” being defined as “not having smoked 100 cigarettes in one’s lifetime”).
- Section B **detailed smoking history and current use patterns** questions were asked if the person had smoked 100 cigarettes and is a self- respondent currently smoking every day.

- Section C **detailed smoking history and current use patterns** questions were asked if the person had smoked 100 cigarettes and is a self- respondent currently smoking some days.
- Section D asked self respondent current “every day” and “some day” smokers questions about quit smoking attempts of the past 12 months, and if none, asked if ever quit.
- Section E asked self respondent current every day and some-day smokers about a set of methods used (quit lines, internet or web-based tools or Apps, switching to other tobacco products, nicotine replacement therapy, prescription antidepressants used for cessation treatment, counseling, classes and support groups) during the most recent quit attempt within the past 12 months.
- Section F asked self respondent current every day and some-day smokers about medical (often in past also dental, but not in 2018-19, 2022-23 series) doctor advice to stop smoking.
- Section G asked self respondent current every day and some-day smokers about the person’s interest, likelihood, and confidence in quitting within the next 6 months.
- Section H questions were asked of self respondent former smokers (if the person had smoked 100 cigarettes, is a self-respondent and currently not smoking at all); similar questions asked of current smokers in Sections B, C, E, and F.
- Section J asked all respondents about ever and current use of other tobacco products (cigars, regular pipes, hookah pipes, e-cigarettes, smokeless tobacco, nicotine pouches and Heated Tobacco Products (HTP)) and asked ONLY self-respondents more detailed items about other tobacco product use.
- Section K asked self-respondents about indoor smoke-free and vape-free policies at work and at home, attitudes towards smoking in different places including in multi-unit housing. Also included is an item on awareness of tobacco industry corrective statements mandated by a federal judge.

Subject-Matter Description:

Data are provided on labor force activity for the week prior to the survey. Comprehensive data are available on the employment status, occupation, and industry of persons 15 years old and over. Also shown are demographic characteristics such as age, sex, race, Hispanic origin, marital status, veteran status, immigration status, household relationship, educational background, and some daily living functional status items.

The Tobacco Use questions were asked for randomly selected household members aged

18 years and older in January 2023. A feature, began in 2014-15 and continuing in the 2022-2023 cycle, included random selection of respondents in larger households to reduce respondent burden. If the household had only 1 or 2 supplement eligible members, then those persons were selected for interview. If the household had 3 or 4 supplement eligible members, then 2 of them were randomly selected for interview. If the household had more than 4 supplement eligible members, then 3 of them were randomly selected for interview.

For those supplement eligible persons NOT randomly selected, no supplement questions were asked, not even a proxy-response interview.

Self-response was attempted for all eligible persons **selected**. A proxy interview was allowed after four callbacks to attempt a self-response. Those selected for self interview who were interviewed were eligible for the entire supplement, whereas proxy respondents standing in for those self-selected ones were only given an abbreviated interview.

Geographic Coverage:

Geography data are provided at the State level and some sub-state levels for specific metropolitan identifiers (Attachment 11).

Technical Description:

File Structure: Rectangular.

File Size: 125,982¹ logical person records; 1,675 character logical record length. There are 78,144 total supplement eligible records for January 2023.

File Sort Sequence: The file is sorted by State (GESTFIPS) by household identification number by line number.

Reference Materials:

Current Population Survey, January 2023: Tobacco Use Supplement Technical Documentation. Documentation contains this abstract, questionnaire facsimiles, and record layouts of the file. Documentation is located at

<https://www.census.gov/programs-surveys/cps/technical-documentation/complete.html>

Census Bureau Documentation for January 2023 and other TUS survey waves are also located at

<https://cancercontrol.cancer.gov/brp/tcrb/tus-cps/questionnaires.html> .

¹ (PRPERTYP=1,2,3 AND HRINTSTA in Type A, B, C)

Census Bureau. *The Current Population Survey Design and Methodology* (Technical Paper 77) describes in detail the sample design and survey procedures used as well as accuracy of estimates and sampling errors. A copy can be found at <https://www.census.gov/programs-surveys/cps/technical-documentation/complete.html>

File Availability:

The data contained herein are for the second of the three months of the data collected for the 2022-2023 TUS wave. The main data files, technical documentation, and replicate weight files are all available for download at <https://www.census.gov/programs-surveys/cps/technical-documentation/complete.html> and will also be available directly from the NCI sponsor's site at <https://cancercontrol.cancer.gov/brp/tcrb/tus-cps/results#Questionnaires>

An updated NCI TUS-CPS harmonized dataset to include data from 1992 through 2023 will be available soon. Please check the TUS website for updates and to sign-up for the TUS notifications listserv at <https://cancercontrol.cancer.gov/brp/tcrb/tus-cps/results#harmonized>

The NCI TUS-CPS Management Team has developed the *2022-2023 Tobacco Use Supplement to the Current Population Survey (TUS-CPS) User Guide for Conducting Weighted Analyses*, which includes specific information and guidance on obtaining properly weighted statistics and appropriate variance estimates using the 2022-2023 data, and features illustrative examples of different types of analyses, including statistical code in both SAS and SAS-Callable SUDAAN. This user guide is available at <https://cancercontrol.cancer.gov/brp/tcrb/tus-cps/results/2018-2019>

ATTACHMENT 2

OVERVIEW

Current Population Survey

Introduction

The Current Population Survey (CPS) is the source of the official government statistics on employment and unemployment. The CPS has been conducted monthly for over 60 years. Currently, we obtain interviews from about 54,000 households monthly, scientifically selected on the basis of area of residence to represent the nation as a whole, individual states, and other specified areas. Each household is interviewed once a month for four consecutive months one year, and again for the corresponding time period a year later. This technique enables us to obtain reliable month-to-month and year-to-year comparisons at a reasonable cost while minimizing the inconvenience to any one household.

Although the main purpose of the survey is to collect information on the employment situation, a very important secondary purpose is to collect information on demographic characteristics such as age, sex, race, marital status, educational attainment, family relationship, occupation, and industry. From time to time, additional questions are included on health, education, income, and previous work experience. The statistics resulting from these questions serve to update similar information collected once every 10 years through the decennial census, and are used by government policymakers and legislators as important indicators of our nation's economic situation and for planning and evaluating many government programs.

The CPS provides current estimates of the economic status and activities of the population of the United States. Because it is not possible to develop one or two overall figures (such as the number of unemployed) that would adequately describe the whole complex of labor market phenomena, the CPS is designed to provide a large amount of detailed and supplementary data. Such data are made available to meet a wide variety of needs on the part of users of labor market information.

Thus, the CPS is the only source of monthly estimates of total employment (both farm and nonfarm); nonfarm self-employed persons, domestics, and unpaid helpers in nonfarm family enterprises; wage and salaried employees; and, finally, estimates of total unemployment.

It provides the only available distribution of workers by the number of hours worked (as distinguished from aggregate or average hours for an industry), permitting separate analyses of part-time workers, workers on overtime, etc. The survey is also the only comprehensive current source of information on the occupation of workers and the industries in which they work. Information is available from the survey not only for persons currently in the labor force but also for those who are outside the labor force. The characteristics of such persons - whether married women with or without young children, disabled persons, students, older retired workers, etc., can be determined. Information on their current desire for work, their past work experience, and their intentions as to job seeking are also available.

For a more detailed discussion about the basic labor force data gathered on a monthly basis in the CPS survey, see "Explanatory Notes and Estimates of Error" in any recent issue of the *Employment and Earnings*, a Bureau of Labor Statistics periodical. This source is referred to on the next page.

CPS Sample Design

The Current Population Survey (CPS) is a monthly survey designed primarily to produce national and state estimates of labor force characteristics of the civilian noninstitutional population (CNP) 16 years of age and older. It is conducted in approximately 60,000 eligible housing units throughout the United States. (Note: 'Eligible' can be simplistically defined as an occupied housing unit having at least one person in the CNP.) This sample includes 10,000 eligible housing units from the monthly supplementary sample to improve state-level estimates of health insurance coverage for low-income children, also known as the CHIP expansion. This supplementary sample has been part of the official CPS since July 2001. Thirty-two states plus the District of Columbia contain this supplementary sample each month.

The CPS sample is based on information from the 2010 Decennial Census, in accordance with usual practice. Historically, the CPS sample has been redesigned after each Decennial Census.

The CPS sample is a probability sample based on a stratified two-stage sampling scheme: selection of sample primary sampling units (PSUs) and selection of sample housing units within those PSUs. In general, the CPS sample is selected from lists of addresses obtained from the Master Address File (MAF) with updates from the United States Postal Service (USPS) twice a year. The MAF is the Census Bureau's permanent list of addresses, including their geographic locations, for individual living quarters. It is continuously maintained through partnerships with the USPS; with Federal, State, regional, and local agencies; and with the private sector, and it is used as a sample frame by many Census Bureau demographic surveys.

Approximately 72,000 housing units are assigned for interview each month, of which about 60,000 are occupied and thus eligible for interview. The remainder are units found to be destroyed, vacant, converted to nonresidential use, containing persons whose usual place of residence is elsewhere, or ineligible for other reasons. Of the 60,000 occupied housing units, approximately 10 percent are not interviewed in a given month due to temporary absence (vacation, etc.), the residents are not found at home after repeated attempts, inability of persons contacted to respond, unavailability for other reasons, and refusals to cooperate. The interviewed households contain approximately 108,000 persons 15 years old and over, approximately 27,000 children 0-14 years old, and about 450 Armed Forces members living with civilians either on or off base within these households. A more precise explanation regarding the CPS sample design is provided in "Explanatory Notes and Estimates of Error: Household Data - Sampling" in any issue of *Employment and Earnings*.

Relationship of Current Population Survey Files to Publications

Each month, a significant amount of information about the labor force is published by the Bureau of Labor Statistics in the *Employment and Earnings* and *Monthly Labor Review* reports.

As mentioned previously, the CPS also serves as a vehicle for supplemental inquiries on subjects other than employment, which are periodically added to the questionnaire. From the basic and supplemental data, the Bureau of the Census issues three series of publications under the general title Current Population Reports:

P-20 Population Characteristics

P-23 Special Studies

P-60 Consumer Income

All Current Population Reports, including the other series for population estimates and projections and special censuses, may be obtained by subscription from the U.S. Government Printing Office at 202-783-3238.

Subscriptions are available as follows: Population Characteristics, Special Studies, and Consumer Income series (P-20, P-23, P-60) combined, \$101 per year (sold as a package only); Population Estimates and Projections, (P-25),

\$27 per year. Single issues may be ordered separately; ordering information and prices are provided in the Bureau of the *Census Catalog and Guide*, the *Monthly Product Announcement* (MPA), and in *Census and You*. Selected reports also may be accessed on the INTERNET at <http://census.gov/library/publications.html>.

Geographic Limitations

The CPS sample was selected so that specific reliability criteria were met nationally, for each of the 50 States and for the District of Columbia. Since 1985, these reliability criteria have been maintained through periodic additions and deletions in the State samples. Estimates formed for geographic areas identified on the microdata file which are smaller than states are not as reliable.

Weights

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns for the entire panel of respondents. The CPS estimation procedure involves weighting the data from each sample person. The base weight, which is the inverse of the probability of the person being in the sample, is a rough measure of the number of actual persons that the sample person represents. Almost all sample persons in the same state have the same base weight, but the weights across states are different. Selection probabilities may also differ for some sample areas due to field subsampling, which is done when areas selected for the sample contain many more households than expected. The base weights are then adjusted for noninterview, and the ratio estimation procedure is applied.

1. **Noninterview adjustment.** The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the respondent for other reasons. This noninterview adjustment is made separately for clusters of similar sample areas that are usually, but not necessarily, contained within a state. Similarity of sample areas is based on Core-Based Statistical Area (CBSA) status and size. Within each cluster, there is a further breakdown by residence. Each CBSA cluster is split by "principal city" and "balance of the CBSA." The proportion of occupied sample households not interviewed fluctuates around 8 percent depending on weather, vacations, etc.
2. **Ratio estimates.** The distribution of the population selected for the sample may differ somewhat, by chance, from that of the population as a whole in such characteristics as age, race, sex, and state of residence. Because these characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the survey estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio adjustment as follows:
 - a. *First-stage ratio estimate.* The purpose of the first-stage ratio adjustment is to reduce the contribution to variance that results from selecting a sample of PSUs rather than drawing sample households from every PSU in the nation. This adjustment is made to the CPS weights in two race cells: black and nonblack; it is applied only to PSUs that are nonself-representing and for those states that have a substantial number of black households. The procedure corrects for differences that existed in each state cell at the time of the 2000 census between 1) the race distribution of the population in sample PSUs and 2) the race distribution of all PSUs (both 1 and 2 exclude self-representing PSUs).
 - b. *Second-stage ratio estimate.* This procedure substantially reduces the variability of estimates and corrects, to some extent, for CPS undercoverage. The CPS sample weights are adjusted to ensure that sample-based estimates of population match independent population controls. Three sets of controls are used:
 - 1) 51 state controls of the civilian noninstitutional population 16 years of age and older
 - 2) national civilian noninstitutional population controls for 14 hispanic and 5 nonhispanic age-sex categories
 - 3) national civilian noninstitutional population controls for 66 white, 42 black, and 10 "other" age-sex categories

The independent population controls are prepared by projecting forward the resident population as enumerated on April 1, 2000. The projections are derived by updating demographic census data with information from a variety of other data sources that account for births, deaths, and net migration. Estimated numbers of resident Armed Forces personnel and institutionalized persons reduce the resident population to the civilian noninstitutional population. Estimates of net census undercount, determined from the Post Enumeration Survey, are added to the population projections. Prior to January 2003, the projections were based on earlier censuses, and prior to January 1994, there was no correction for census undercount. A summary of the current procedures used to make population projections is given in "Revisions in the Current Population Survey Effective January 2003" in the January 2003 issue of Employment and Earnings.

Comparability of CPS From Microdata Files With Published Sources

Although total estimates of the total population will equal published estimates, labor force estimates produced from a microdata file may not be directly comparable or identical with the published nonseasonally adjusted labor force data. The official labor force statistics published by the Bureau of Labor Statistics (BLS) are calculated using the CPS composite weight (PWCMPWGT). Anyone wanting to replicate not seasonally adjusted BLS estimates should use this weight. However, not all estimates made from a public use file will match such weighted published estimates. This is because of various steps taken in the creation of CPS public use files to protect the confidentiality of CPS respondents. Top side estimates for most major demographic and economic categories such as age, race, gender and major labor force status will agree with the published totals; however, estimates for small groups/combinations of these characteristics will differ. The same is true for any estimates for any demographic or labor force characteristic not listed above. Such estimates will be similar but not identical.

Another factor also inhibits microdata comparison with published labor force data. This is the seasonal adjustment that is applied to many published statistics. This adjustment is used to adjust for normal seasonal variations to help distinguish the underlying economic situation in month-to-month changes and is not reflected in any of the weights or variables included on the public use files.

Shown below are data from January and July 2015 which demonstrate how estimates compiled using the final weights from the microdata file may differ from the published composited estimates, with and without seasonal adjustment. Note that the composite estimation procedure was not used for estimates published from January 1994 to May 1994. For a further description of both the composite estimator and seasonal adjustment, see the most recent of the CPS Technical Paper (66 or 77).

Comparison of CPS Estimates from Microdata Files with Published Sources

	Civilian Noninstitutional Population	Civilian Labor Force	Employed	Unemployed	Not in Labor Force
January 2015 Data (000's)					
Final Weights	249,723	156,311	146,658	9,653	93,412
Composited (Not Seasonally Adjusted)	249,723	156,050	146,552	9,498	93,674
Composited (Seasonally Adjusted)	249,723	157,180	148,201	8,979	92,544
July 2015 Data (000's)					
Final Weights	250,876	159,112	150,176	8,936	91,764
Composited (Not Seasonally Adjusted)	250,876	158,527	149,722	8,805	92,349
Composited (Seasonally Adjusted)	250,876	157,106	148,840	8,266	93,770

ATTACHMENT 3a

OVERVIEW

January 2023 Tobacco Use Supplement

General

U.S. Census Bureau staff conducted a Tobacco Use Supplement (TUS) to the Current Population Survey (CPS) in conjunction with the January 2023 CPS. The National Cancer Institute (NCI) and the U.S. Food and Drug Administration (FDA) currently co-sponsor the supplement. NCI has sponsored the TUS-CPS regularly since 1992 (more information on individual past waves can be found on the NCI website cancercontrol.cancer.gov/brp/tcrb/tus-cps). The CPS is a monthly labor force survey conducted in approximately 44,000 interviewed households across the country. Attachment 8 contains a facsimile of the January 2023 TUS questions.

Major changes in content of the 2022-2023 wave included:

- Removing detailed items on use of dissolvable tobacco products.
- Removing items on exposure to federal court mandated tobacco company corrective statements about the dangers of smoking cigarettes

New items include:

- Current use of heated tobacco products.
- Ever use of nicotine pouches
- Current use of nicotine pouches
- Switching to nicotine pouches to quit cigarettes/cigars

TUS data can be used by researchers to monitor tobacco control progress; conduct tobacco-related research, including tobacco health disparities; and evaluate tobacco control programs and policies. Although the TUS has changed slightly between 1992 and 2023, it has generally contained the same information covering:

- Current cigarette smoking status and amount smoked;
- Use of menthol cigarettes (since 2003);
- Smoking history, quit attempts, and intention to quit;
- Level of nicotine dependence (since 2003);
- Cost of cigarettes and purchase location (since 2003);
- Medical/dental advice to quit;
- Cigar, pipe, and smokeless tobacco use;
- Harm reduction and other emerging products (since 2003);
- Workplace and home smoking restrictions; and
- Attitudes toward smoke-free policies in public places.

More recent series have included more detailed information on:

- Emerging tobacco products; e-cigarette items were added in the 2014-2015 series for the general population (while “ever use” of e-cigarettes among ONLY current and recently quit former users of any tobacco product was first introduced in May 2011).
- Use of flavored non-cigarette tobacco products; and
- Attitudes toward smoking and vaping in multi-unit housing.

The September 2022, January 2023, and May 2023 collections make up the 2022-23 TUS-CPS wave. Each file contains only TUS supplement data collected for the specific month (e.g., September 2022, January 2023, or May 2023) and its corresponding CPS data. State data will be most reliable when using data from all three months of data collection, within a survey wave. For this reason, we recommend using all three files when analyzing most state or sub-state level data.

For the January 2023 Tobacco Use Supplement, the citation is:

US Department of Commerce, Census Bureau 2023, National Cancer Institute and Food and Drug Administration co-sponsored Tobacco Use Supplement to the Current Population Survey. January 2023. cancercontrol.cancer.gov/tus-cps.

To cite the Technical Documentation and Data Files, use the following in the above citation: cancercontrol.cancer.gov/tus-cps/results.

For more information about past, current and future NCI TUS, past data files’ citations, data reports, and publications utilizing supplement data, see the NCI website: cancercontrol.cancer.gov/tus-cps.

The NCI TUS-CPS Management Team has developed the *2018-2019 Tobacco Use Supplement to the Current Population Survey (TUS-CPS) User Guide for Conducting Weighted Analyses*, which includes specific information and guidance on obtaining properly weighted statistics and appropriate variance estimates using the 2018-2019 data, and features illustrative examples of different types of analyses, including statistical code in both SAS and SAS-Callable SUDAAN. This user guide is available at cancercontrol.cancer.gov/brp/tcrb/tus-cps/questionnaires-data#2018

Data Collection

Respondents are included in the 2022-23 TUS-CPS sample typically only once. The rotation of households in and out of the TUS-CPS sample were generally sufficiently spaced apart with months between interviewing, so that the sample did not contain many overlapping panels. This eliminated most individuals from being included in the sample twice within the 2022-23 main data files.

The 2022-2023 Tobacco Use Supplement Items. The Supplement consisted of Items PEA1 through SINTTP. Most CPS household members aged 18 years and older who had completed CPS Core items were eligible for these items in January 2023.

Respondent burden reduction. A new feature that was first implemented in the 2014-15 wave and continued in this 2022-2023 wave consisted of **random selection** of respondents in **larger households** to reduce respondent burden. If the household had only 1 or 2 supplement eligible members, then those persons were selected for self- interview. If the household had 3 or 4 supplement eligible members, then 2 of them were randomly selected for self-interview. If the household had more than 4 supplement eligible members, then 3 of them were randomly selected for self-interview.

For those supplement eligible persons NOT randomly selected for self-interview, no supplement questions were asked. This is a change from the previous collections for this supplement earlier waves. A proxy interview was implemented for a selected self- interview respondent ONLY after four failed callback attempts.

Items for Both Proxy and Self-Respondents

Self-respondents were eligible for the entire supplement, whereas proxy respondents were only eligible for certain items. Information was collected from proxies on topics such as smoking status (Items PEA1 – PEA3) and the use of non-cigarette tobacco products; cigars (including cigar types: large/regular cigars, cigarillos, and little filtered cigars), pipes (asked separately about regular pipes and water pipes/hookah), electronic cigarettes (e-cigarettes), smokeless tobacco (including snuff, dip, chewing tobacco, and snus), nicotine pouches and heated tobacco products (HTP). (Items PEJ1a@1-6 and PEJ2a@1-6).

Items for Self-Respondents Only

In addition to the smoking and other tobacco use status questions, self-respondents were asked various questions depending on their smoking/tobacco use status. See details for Questionnaire Sections B-K in ATTACHMENT 1- ABSTRACT.

Special Administrative Items

We also collected some special questions, such as type of interview [self (full) interview, proxy interview], the language in which the interview was conducted, the survey method (telephone vs. personal-visit interviews), Computer Assisted Telephone Interviewing (CATI) vs. Computer Assisted Personal Interviewing (CAPI), and the date of the interview.

Note about Respondent Universe on Smoking Quitting Attempts:

Beginning with the 2003 TUS-CPS, both every-day and some-day current smokers who smoked at least 12 days in the last 30 days were asked about attempts to try to quit smoking lasting at least one day, including characteristics of the attempt(s). We asked those some-days smokers smoking less than 12 days during the past 30 days whether during the past 12 months, they had TRIED to QUIT smoking COMPLETELY (Da). Before 2001-02, only every-day smokers were asked these questions on the TUS-CPS, and in 2001-02 all current cigarette smokers (both every-day and some-day) were asked these questions.

Items about Flavors Recoding

Some variables for past 30-day use of flavored non-cigarette tobacco products have been recoded/masked due to a low number of responses. To promote consistency within a single type of non-cigarette tobacco product and across the three survey months of the 2022-2023 wave (September 2022, January 2023, and May 2023), if a flavor had too few responses during any survey month, the flavor was recoded/masked across the wave. Thus, different flavor categories are available for different types of non-cigarette tobacco products, and the “other flavor” categories may represent different combinations of flavors. See the Record Layout (Attachment 7) for specific flavor categories available for each product.

Recoding/masking a flavor with too few positive responses involved changing all “yes” responses for that flavor to “no” responses and changing the variable name’s prefix to indicate that topcoding has taken place (e.g., a variable name beginning with PEJFLA would be changed to PTJFLA). For that same product, the response to the “other” flavor variable would be changed from “no” to “yes,” if it was not “yes” already. The “other” flavor variable’s name would also be changed to indicate that topcoding has taken place.

Data Processing

The data processing involved editing the January 2023 Supplement data. This process is described in the next section.

Edits, Allocations, and Recodes

Regular Edits Data processing involved a consistency edit of all supplement items. The consistency edit ensured that the entries within an individual record followed the correct skip pattern.

Other Edits *We also edited the supplement data based on patterns of response, such as:*

- making check items consistent with entries;
- making the various records of proxy/self consistent with each other; and
- assigning a code "88" in the variable PES78 when we knew that the interview was done by a proxy, but we did not know by whom.

Recodes *We also created an interview status recode and a smoking status recode.*

- The interview status recode is identified by the variable "INTRVIEW" where Code 1 is a TUS interview (self or proxy). Code 2 refers to non-interviews among those *originally* eligible for the supplement who are adults 18 years and older who are members of CPS interviewed households and not active duty members of the armed forces. Thus, Code 2 also includes those excluded from *final* eligibility and not interviewed due to having incomplete CPS interviews or those not randomly selected for supplement interview, as well as those nonresponses to TUS interview. Code -1 refers to those records ineligible from the start for TUS interview because they are CPS non-response household records, are children (0-14 years of age), adults 15-17 years of age, or on active duty in the armed forces.
- The smoking status recode is identified by the variable "SMOKSTAT" where Code 1 is a "never smoker," Code 2 is an "every day smoker," Code 3 is a "some days smoker," Code 4 is a "former smoker," and Code -9 is "indeterminate (unknown) smoking status. This recode refers to the smoking status based on the “100 cigarettes” definition of smoking. Thus, those 18-34 year olds who responded No, Don’t Know (DK), or Refused (R) to the PEA1 item (“Have you EVER smoked 100....) who were also asked item PEA3 (“Do you NOW smoke every day, some days, or Not at all?”) to explore experimental current smoking, are categorized according to whether or not they answered YES, or NO/DK/R to PEA1 (EVER smoked at least 100 cigarettes) and ONLY a Yes response to A1 had their A3 responses considered.

Disclosure Avoidance Methods Variables indicating either a number of cigarettes smoked during a time period or a price paid for cigarettes were subjected to disclosure avoidance techniques, by topcoding the value, and for the price paid items, rounding to the nearest five cents in addition to topcoding by state. More detail about these disclosure avoidance techniques and how they were determined will be provided at a later date.

The values and position locations for each variable are defined and identified in the supplement Record Layout (Attachment 7). Skip patterns instead of universes are provided in the questionnaire facsimile in Attachment 8.

Weighting

PWSSWGT for Labor Force Data All adult records retain the "basic CPS weight," which controls for age, race, sex, and Hispanic origin estimates and for individual state 16+ estimates. Use the basic CPS final weight PWSSWGT for tallying the labor force items. For a description of this weight, see Attachment 2, "Overview of the Current Population Survey."

Special Supplement Weights This file contains two special supplement weights: a supplement non-response adjustment weight and a supplement self-only non-response adjustment weight. In addition to maintaining national demographic totals (for age, sex, race, and origin), these weights were designed to maintain each state's population total.

Supplement Non-Response and Self-only Non-Response Weights

- Use the supplement non-response adjustment weight PWNRWGT when using ALL respondents (self or proxy) for tallying the limited set of tobacco use status supplement items.
- When you are interested in ONLY SELF-response analysis (especially for those detailed items ONLY asked on the FULL self-response interview), use the supplement self-only non-response adjustment weight PWSRWGT for tallying the supplement items.

Special Replicate Weights File. A set of special replicate weights for making variance estimates such as standard errors and creating confidence intervals to account for the complex sample design of CPS and TUS have been created and exist on separate files. Replicate weight files are available from the Census Bureau at ([census.gov/data/datasets/time-series/demo/cps/cps-supp_cps-repwgt.html](https://www.census.gov/data/datasets/time-series/demo/cps/cps-supp_cps-repwgt.html)) and are also directly available from the NCI TUS website cancercontrol.cancer.gov/tus-cps/results.

January 2023 NCI and FDA co-sponsored TUS-CPS Files

CPS Labor Force Data. The January 2023 CPS file contains 125,982 records. The first 1,000 characters contain the labor force data for each record. Attachment 6 contains the CPS Basic Items Record Layout, which includes the variable name, character size, location on the record, universe, and the possible values of each basic CPS variable included on the file.

PRPERTYP determines the type of record as follows:

PRPERTYP

- 1 = Child household member (0-14 years old)
- 2 = Adult civilian household member (15 + years old)
- 3 = Adult Armed Forces household member (15 + years old)

HRINTSTA determines the interview status of the household.

HRINTSTA

- 1 = Interviewed
- 2 = Type A Non-interview (These records represent households that were eligible for CPS interview but were not interviewed because no one was home, household members were temporarily absent, etc.)
- 3 = Type B Non-interview (These records represent sample addresses determined to be ineligible for the CPS by virtue of a temporary situation, such as being vacant, nonresidential, etc. These households could become eligible for a CPS interview.)
- 4 = Type C Non-interview (These records represent sample addresses determined to be ineligible for CPS by virtue of a permanent change such as demolished, condemned, etc. These addresses will not be visited again for CPS interviews.)

The Total Number of Records is Determined by Combining the Values of PRPERTYP (1-3) and HRINTSTA (2-4).

The values of PRPERTYP are:

<u>Unweighted Counts</u>	
January 2023	
1 = Child	16,977
2 = Adult Civilian, 15+	82,070
3 = Adult, Armed Forces	290
Total	99,337

The values of HRINTSTA are:

1 = Interview	99,337¹
2 = Type A Non-interview	17,223
3 = Type B Non-interview	8,750
4 = Type C Non-interview	672
	125,982

¹ Equal to PRPERTYP in 1, 2 or 3

Supplement Response (Non-Response) and Supplement Self-Only Response (Non-Response) Rates

Non-response: The effect of non-response cannot be measured directly, but one indication of its potential effect is the supplement response rate (or non-response rate). For the January 2023 basic CPS, the household-level response rate was 71.0 percent. The person-level response rates for the Tobacco Use Supplement were 77.6 percent for the total (allowing all self and proxy responses) and 56.0 percent for self-response only (counting proxy responses as non-responses).

Since the basic CPS non-response rate is a household-level rate and the Tobacco Use Supplement non-response rate is a person-level rate, we cannot combine these rates to derive an overall non-response rate. Nonresponding households may have fewer persons than interviewed ones, so combining these rates may lead to an overestimate of the true overall non-response rate for persons for the Tobacco Use Supplement. In order for an individual to be eligible for the supplement, the individual's basic CPS questionnaire must have been completed. Final eligibility is further limited to those who were randomly selected based on household size for FULL self-response interview.

The TUS response rate is calculated as the percentage of those who completed the TUS (interviewed) to those who were eligible to complete it after all previous exclusions.

For the break-down by response type and sample size, see the chart below.

January 2023	Count	Percent
Total Eligible for TUS Interview	67,148	100.0
Self Respondents	37,580	56.0
Proxy Respondents	14,504	21.6
Non-Respondents	15,064	22.4

The Total Number of TUS-CPS Interviewed Adults 18+ (INTRVIEW=1) for January 2023 is: **52,084²**

Those INELIGIBLE for the TUS (N=47,838) include:

- children 0-14 years of age (N=16,977),
- adults 15-17 years of age (N = 3,769),
- those adults in the Armed Forces (N=290),
- those with incomplete CPS interviews (N = 157) and
- CPS non-interviewed persons (N = 26,645).

² Interviewed

ATTACHMENT 3b

Tobacco Use Supplements (TUS-CPS)

TUS-CPS Data Harmonization and Its Linkages to Other CPS Supplements and Health Outcomes Data

Data Harmonization

Data from 1992-1993 through the 2022-2023 waves of the TUS-CPS have been harmonized into a single file by NCI to provide a more robust data source by increasing the sample size for measures and to allow for more seamless tracking of trends over time. Please visit cancercontrol.cancer.gov/brp/tcrb/tus-cps/results for more information on the harmonized data and see 2019 Workshop presentation, cancercontrol.cancer.gov/brp/tcrb/tus-cps/workshops/2019/TUSSRNT2019WorkshopPresent.pdf

Harmonized Topics

A selection of core variables from CPS were included in harmonization, including a number of demographic, geographic, occupational, and economic variables. New for 2022-23, cohabitation living arrangement was harmonized starting in 2010-11. Harmonized topics from the TUS-CPS include:

- Cigarette use, both current and prior usage among daily and nondaily smokers. Also includes menthol use since 2003
- Workplace and home smoking restrictions
- Attitudes toward smoke-free policies in indoor work areas/public places (no harmonization for smoke-free attitudes for multi-unit housing which started in 2014-15 and will later be harmonized with 2018-19 and future data)
- Advice by physician/dentist to quit smoking
- Health perceptions/beliefs (harm reduction)
- Smoking history including cessation attempts and aids used for both current and former smokers
- Other tobacco products: cigar, pipe, and smokeless tobacco use; other emerging products, including e-cigarettes and heated tobacco products.
- Hispanic ethnicity origin categories harmonized from waves 1992-93 to 2022-23
- Asian race categories harmonized from waves 2014-15 to 2022-23

Data Collection

Respondents are included in a TUS-CPS sample (wave) typically only once. The rotation of households in and out of sample for the TUS-CPS was generally sufficiently spaced, with months between interviewing so the sample did not contain many overlapping panels. This spacing eliminated most individuals being in the sample twice within the various TUS waves main data files. Intentional exceptions to this are for those longitudinal cohorts in which follow-up was a goal such as for May 2010-2011 and February 2002-2003. A limited cohort was also created to examine changes in wording of other tobacco products for January and May 1999 with January and May 2000, respectively.

Additional information on data collection waves can be found on the NCI website cancercontrol.cancer.gov/tus-cps/results.html and in the technical documentation for each individual month's data collection.

Information on TUS-CPS Linkages to Other CPS Supplements and Health Outcomes Data

A unique feature of the CPS is its panel design, in which each household in the sample is surveyed for four consecutive months (panels # 1-4) and then for four more consecutive months (panels # 5-8) nine months later. SEE:

- Attachment # 2- Overview of the Current Population Survey in this Technical Documentation, and
- U.S. Department of Commerce. 2019. Current Population Survey: Design and Methodology Technical Paper 77. Washington, D.C. U.S. Census Bureau [census.gov/programs-surveys/cps/methodology/CPS-Tech-Paper-77.pdf] .

Due to this sampling strategy a subset of persons who were in sample for any given month of TUS-CPS fielding (e.g., September 2022, January 2023, or May 2023) can be linked with other CPS Basic and Supplement data from surveys conducted within about + /- 15 months of a TUS-CPS. This affords an opportunity to not only create a special cohort follow-up (as we did in Feb. 2002-03 and May 2010-11), but also to include other topics in analysis from March Annual Social and Economic Supplement (ASEC), Computer and Internet and Use, American Time Use (ATUS), Voting and Registration, Food Security, Veterans, and other CPS Supplements.

For a listing of CPS Supplements, see <https://www.census.gov/programs-surveys.html>, for specific CPS Supplements see the Census CPS ftp website for individual Supplement's Technical Documentation and data download at <https://www.census.gov/programs-surveys/acs/technical-documentation.html> and for some examples of recent info see:

- March Annual Social and Economic (ASEC) Supplement: <https://www.census.gov/data/datasets/time-series/demo/cps/cps-asec.html>
- Computer and Internet Use Supplement: <https://www.census.gov/topics/population/computer-internet.html>
- American Time Use Supplement (ATUS): bls.gov/tus/
- Voting and Registration Supplement: <https://www2.census.gov/programs-surveys/cps/techdocs/cpsnov20.pdf> and <https://www.census.gov/topics/public-sector/voting.html>
- Food Security Supplement: <https://www2.census.gov/programs-surveys/cps/techdocs/cpsdec17.pdf> and https://www.census.gov/data/datasets/time-series/demo/cps/cps-supp_cps-repwgt/cps-food-security.html
- Veterans Supplement: <https://www2.census.gov/programs-surveys/cps/techdocs/cpsaug23.pdf>

For matching variables and procedures for merging other CPS Supplement data to the 2022-23 TUS–CPS files and earlier TUS-CPS series, see:

- Census Bureau website document on linking the CPS public use data files, <https://www2.census.gov/programs-surveys/cps/methodology/How%20To%20Link%20CPS%20Public%20Use%20Files.pdf>
- Census Bureau technical documentation [census.gov/programs-surveys/cps/techdocs/cpsmay10-11.pdf](https://www2.census.gov/programs-surveys/cps/techdocs/cpsmay10-11.pdf)
- NCI TUS-CPS workshops cancercontrol.cancer.gov/brp/tcrb/tus-cps/workshops/index

For how to generally reweight a subset of multiple panel data from the same individuals, see:

- the NCI report describing how we reweighted the TUS 2002-2003 Overlap (Longitudinal) Cohort data: https://cancercontrol.cancer.gov/sites/default/files/2020-06/tus-cps_overlap.pdf
- <https://www2.census.gov/programs-surveys/cps/techdocs/cpsmay10-11.pdf>

TUS-CPS data can also be linked to health outcomes data with the **National Longitudinal Mortality Study (NLMS)**. Currently TUS-CPS data is linked to the March Annual Social and Economic Supplement (ASEC) data, an additional CPS supplement, which is the basis of the cohorts in the NLMS. NLMS consists of the TUS-CPS and March ASEC linkages through 2011. Health outcomes data include primarily disease-specific cause mortality through its match to the National Death Index (NDI). The Tobacco Longitudinal Mortality Study (TLMS) consists of TUS-CPS from September 1985 to July 2018 linked with the NDI through 2019. Future opportunities will include linkages with North American Association of Central Cancer Registries (NAACCR), Medicare claims data. See the following websites for more information.

- census.gov/nlms and census.gov/topics/research/nlms.Reference_Manual
- census.gov/topics/research/tlms
- cancercontrol.cancer.gov/brp/tcrb/tus-cps/linkages

ATTACHMENT 4

GLOSSARY

Current Population Survey

Age - Age classification is based on the age of the person at his/her last birthday. The adult universe (i.e., population of marriageable age) is comprised of persons 15 years and over for CPS labor force data.

Allocation Flag - Each edited item has a corresponding allocation flag indicating the nature of the edit. See the attachment on allocation flags for more information. The second character of the item name is always "X".

Armed Forces - Demographic information for Armed Forces members (enumerated in off-base housing or on-base with their families) is included on the CPS data files. No labor force information is collected of Armed Forces members in any month. In March, supplemental data on income are included for Armed Forces members. This is the only month that non-demographic information is included for Armed Forces members.

Civilian Labor Force - (See Labor Force.)

Class of Worker - This refers to the broad classification of the person's employer. These broad classifications for current jobs are:

- 1) Federal government
- 2) State government
- 3) Local government
- 4) Private industry (including self-employed, incorporated)
- 5) Self-employed (not incorporated)
- 6) Working without pay

Domain - The domain for an item is a list or range of its possible values. Note that all unedited items have possible values of -1 (blank), -2 (don't know), and -3 (refused). Since all items have these possible values, they are not shown as valid entries for each item.

Duration of Unemployment - Duration of unemployment represents the length of time (through the current survey week) during which persons classified as unemployed are continuously looking for work. For persons on layoff, duration of unemployment represents the number of full weeks since the termination of their most recent employment. A period of two weeks or more during which a person is employed or ceased looking for work is considered to break the continuity of the present period of seeking work.

Earners, Number of - The file includes all persons 15 years old and over in the household with \$1 or more in wages and salaries, or \$1 or more of a loss in net income from farm or nonfarm self-employment during the preceding year.

Edited item - An edited item is allocated or imputed by the processing system. In most cases this means allocating a value where the unedited item contains a value of blank, "don't know", or "refused". The second character of the item name is always "E".

An edited version of an item exists only if that item is processed through the edits. If the edits never deal with a particular item, then that item only has an unedited version.

Since the instrument enforces skip patterns and consistency between many items, the edits are left mainly with the job of allocating missing values. Also, since an interviewer is allowed to "back up" in the interview, there may be "off-path" items filled in the unedited data. The edits also blank these off-path items if an edited version of the items exists.

Education - (See Level of School Completed.)

Employed - (See Labor Force.)

Family- A family is a group of two persons or more (one of whom is the householder) residing together and related by birth, marriage, or adoption. All such persons (including related subfamily members) are considered as members of one family. Beginning with the 1980 CPS, unrelated subfamilies (referred to in the past as secondary families) are no longer included in the count of families, nor are the members of unrelated subfamilies included in the count of family members.

Family Household - A family household is a household maintained by a family (as defined above), and may include among the household members any unrelated persons (unrelated subfamily members and/or secondary individuals) who may be residing there. The number of family households is equal to the number of families. The count of family household members differs from the count of family members, however, in that the family household members include all persons living in the household, whereas family members include only the householder and his/her relatives. (See the definition of Family).

Family Weight - This weight is used only for tallying family characteristics. In March, the weight on the family record is the March supplement weight of the householder or reference person.

Final Weight - Used in tabulating labor force items in all months, including March. The final weight is controlled to independent estimates for:

- 1) States
- 2) Origin, Sex, and Age
- 3) Age, Race, and Sex

This weight should not be used when tabulating March supplement data.

Full-Time Worker- Persons on full-time schedules include persons working 35 hours or more, persons who worked 1-34 hours for noneconomic reasons (e.g., illness) and usually work full-time, and persons "with a job but not at work" who usually work full-time.

Group Quarters-Group quarters are noninstitutional living arrangements for groups not living in conventional housing units or groups living in housing units containing nine or more persons unrelated to the person in charge.

Head Versus Householder - Beginning with the March 1980 CPS, the Bureau of the Census discontinued the use of the terms "head of household" and "head of family." Instead, the terms "householder" and "family householder" are used.

Highest Grade of School Attended - (See Level of School Completed.)

Hispanic/Non-Hispanic Origin - A person's Hispanic/Non-Hispanic status in this file is determined on the basis of a question that simply asks "(Is/Are) (Name/you) Hispanic?"

Hours of Work - Hours of work statistics relate to the actual number of hours worked during the survey week. For example, a person who normally works 40 hours a week but who is off on the Veterans Day holiday is reported as working 32 hours even though he is paid for the holiday.

For persons working in more than one job, the figures related to the number of hours worked in all jobs during the week. However, all the hours are credited to the major job.

Household - A household consists of all the persons who occupy a house, an apartment, or other group of rooms, or a room, which constitutes a housing unit. A group of rooms or a single room is regarded as a housing unit when it is occupied as separate living quarters; that is, when the occupants do not live with any other person in the structure, and when there is direct access from the outside or through a common hall. The count of households excludes persons living in group quarters, such as military barracks and institutions. Inmates of institutions (mental hospitals, rest homes, correctional institutions, etc.) are not included in the survey.

Household Weight - The household weight is used for tallying household characteristics. In March, the household weight is the March Supplement weight of the householder.

Householder - The householder refers to the person (or one of the persons) in whose name the housing unit is owned or rented (maintained) or, if there is no such person, any adult member, excluding roomers, boarders, or paid employees. If the house is owned or rented jointly by a married couple, the householder may be either the husband or the wife. The person designated as the householder is the "reference person" to whom the relationship of all other household members, if any, is recorded.

Householder With No Other Relatives in Household - A householder who has no relatives living in the household. This is the entry for a person living alone. Another example is the designated householder of an apartment shared by two or more unrelated individuals.

Householder With Other Relatives (Including Spouse) in Household - The person designated as householder if he/she has one or more relatives (including spouse) living in the household.

Industry, Occupation, and Class of Worker (I&O) Current Job (basic data) - For the employed, current job is the job held in the reference week (the week before the survey). Persons with two or more jobs are classified in the job at which they worked the most hours during the reference week. The unemployed are classified according to their latest full-time job lasting two or more weeks or by the job (either full-time or part-time). The I & O questions are also asked of persons not in the labor force who are in the fourth and eighth months in sample and who have worked in the last five years.

Job Seekers - All unemployed persons who made specific efforts to find a job sometime during the 4-week period preceding the survey week.

Longitudinal Weight - Used for gross flows analysis. Only found on adult records matched from month to month.

PEMLR (Major Labor Force Recode) - This classification is available for each civilian 15 years old and over according to his/her responses to the monthly (basic) labor force items.

Labor Force - Persons are classified as in the labor force if they are employed, unemployed, or in the Armed Forces during the survey week. The "civilian labor force" includes all civilians classified as employed or unemployed.

The file includes labor force data for civilians age 15 and over. However, the official definition of the civilian labor force is age 16 and over.

1. *Employed*

Employed persons comprise (1) all civilians who, during the survey week, do any work at all as paid employees or in their own business or profession, or on their own farm, or who work 15 hours or more as unpaid workers on a farm in a business operated by a member of the family; and (2) all those who have jobs but who are not working because of illness, bad weather, vacation, or labor-management dispute, or because they are taking time off for personal reasons, whether or not they are seeking other jobs. These persons would have a Monthly Labor Force Recode (MLR) of 1 or 2 respectively in characters 180-181 of the person record which designates "at work" and "with a job, but not at work." Each employed person is counted only once. Those persons who held more than one job are counted in the job at which they worked the greatest number of hours during the survey week. If they worked an equal number of hours at more than one job, they are counted at the job they held the longest.

2. *Unemployed*

Unemployed persons are those civilians who, during the survey week, have no employment but are available for work, and (1) have engaged in any specific job seeking activity within the past 4 weeks such as registering at a public or private employment office, meeting with prospective employers, checking with friends or relatives, placing or answering advertisements, writing letters of application, or being on a union or professional register; (2) are waiting to be called back to a job from which they had been laid off; or (3) are waiting to report to a new wage or salary job within 30 days. These persons would have an MLR code of 3 or 4 in characters 180-181 of the person record. The unemployed includes job leavers, job losers, new job entrants, and job reentrants.

a. *Job Leavers*

Persons who quit or otherwise terminate their employment voluntarily and immediately begin looking for work.

b. *Job Losers*

Persons whose employment ends involuntarily, who immediately begin looking for work, and those persons who are already on layoff.

c. *New Job Entrants*

Persons who never worked at a full-time job lasting two weeks or longer.

d. *Job Reentrants*

Persons who previously worked at a full-time job lasting two weeks or longer but are out of the labor force prior to beginning to look for work.

Finally, it should be noted that the unemployment rate represents the number of persons unemployed as a percent of the civilian labor force 16 years old and over. This measure can also be computed for groups within the labor force classified by sex, age, marital status, race, etc. The job loser, job leaver, reentrant, and new entrant rates are each calculated as a percent of the civilian labor force 16 years old and over; the sum of the rates for the four groups thus equals the total unemployment rate.

3. *Not in Labor Force*

All civilians 15 years old and over who are not classified as employed or unemployed. These persons are further classified by major activity: retired, unable to work because of long-term physical or mental illness, and other. The "other" group includes, for the most part, students and persons keeping house. Persons who report doing unpaid work in a family farm or business for less than 15 hours are also classified as not in the labor force.

For persons not in the labor force, data on previous work experience, intentions to seek work again, desire for a job at the time of interview, and reasons for not looking for work are asked only in those households that are in the fourth and eighth months of the sample, i.e., the "outgoing" groups, those which had been in the sample for three previous months and would not be in for the subsequent month.

Persons classified as NILF have an MLR code of 5-7 in characters 180-181 of the person record.

Layoff - A person who is unemployed but expects to be called back to a specific job. If he/she expects to be called back within 30 days, it is considered a temporary layoff; otherwise, it is an indefinite layoff.

Level of School Completed/Degree Received - These data changed beginning with the January 1992 file. A new question, "What is the highest level of school ... has completed or the highest degree ... has received?" replaced the old "Highest grade attended" and "Year completed" questions. The new question provides more accurate data on the degree status of college students. Educational attainment applies only to progress in "regular" school. Such schools include graded public, private, and parochial elementary and high schools (both junior and senior high), colleges, universities, and professional schools, whether day schools or night schools. Thus, regular schooling is that which may advance a person toward an elementary school certificate or high school diploma, or a college, university, or professional school degree. Schooling in other than regular schools is counted only if the credits obtained are regarded as transferable to a school in the regular school system.

Looking for Work - A person who is trying to get work or trying to establish a business or profession.

Marital Status - The marital status classification identifies four major categories: single (never married), married, widowed, and divorced. These terms refer to the marital status at the time of enumeration.

The category "married" is further divided into "married, civilian spouse present," "married, Armed Force spouse present," "married, spouse absent," "married, Armed Force spouse absent," and "separated." A person is classified as "married, spouse present" if the husband or wife is reported as a member of the household even though he or she may be temporarily absent on business or on vacation, visiting, in a hospital, etc., at the time of the enumeration. Persons reported as "separated" included those with legal separations, those living apart with intentions of obtaining a divorce, and other persons permanently or temporarily estranged from their spouses because of marital discord.

For the purpose of this file, the group "other marital status" includes "widowed and divorced," "separated," and "other married, spouse absent."

Month-In-Sample - The term is defined as the number of times a unit is interviewed. Each unit is interviewed eight times during the life of the sample.

Never Worked - A person who has never held a full-time civilian job lasting two consecutive weeks or more.

Nonfamily Householder - A nonfamily householder (formerly called a primary individual) is a person maintaining a household while living alone or with nonrelatives only.

Nonworker - A person who does not do any work in the calendar year preceding the survey.

Nonrelative of Householder With No Own Relatives in Household - A nonrelative of the householder who has no relative(s) of his own in the household. This category includes such nonrelatives as a foster child, a ward, a lodger, a servant, or a hired hand, who has no relatives of his own living with him in the household.

Nonrelative of Householder With Own Relatives (Including Spouse) in Household - Any household member who is not related to the householder but has relatives of his own in the household; for example, a lodger, his spouse, and their son.

Other Relative of Householder - Any relative of the householder other than his spouse or child; for example, father, mother, grandson, daughter-in-law, etc.

Out Variable - An instrument-created item that stores the results of another item.

Own Child - A child related by birth, marriage, or adoption to the family householder.

Part-Time, Economic Reasons - The item includes slack work, material shortages, repairs to plant or equipment, start or termination of job during the week, and inability to find full-time work. (See also Full-Time Worker.)

Part-Time, Other Reasons - The item includes labor dispute, bad weather, own illness, vacation, demands of home housework, school, no desire for full-time work, and full-time worker only during peak season.

Part-Time Work - Persons who work between 1 and 34 hours are designated as working "part-time" in the current job held during the reference week. For the March supplement, a person is classified as having worked part-time during the preceding calendar year if he worked less than 35 hours per week in a majority of the weeks in which he worked during the year. Conversely, he is classified as having worked full-time if he worked 35 hours or more per week during a majority of the weeks in which he worked.

Part-Year Work - Part-year work is classified as less than 50 weeks' work.

Population Coverage - Population coverage includes the civilian population of the United States plus approximately one million members of the Armed Forces in the United States living off post or with their families on post but excludes all other members of the Armed Forces. This file excludes inmates of institutions. The labor force and work experience data are not collected for Armed Forces members.

Processing Recode - An item calculated by the processing system from a combination of other items in the database. The second character of the item name is always "R".

Race - The population is divided into six groups on the basis of race: White, Black or African American, American Indian or Alaska Native, Asian, Native Hawaiian or Other Pacific Islander, and Other races. The 2011 CPS uses the Census 2010 question on race that allows for more than one race reporting, but does not include the Census 2010 "Some Other Race" category.

Reentrants - Persons who previously worked at a full-time job lasting two weeks or longer, but who are out of the labor force prior to beginning to look for work.

Related Children - Related children in a family include own children and all other children in the household who are related to the householder by birth, marriage, or adoption. For each type of family unit identified in the CPS, the count of own children under 18 years old is limited to single (never married) children; however, "own children under 25" and "own children of any age," include all children regardless of marital status. The totals include never-married children living away from home in college dormitories.

Related Subfamily - A related subfamily is a married couple with or without children, or one parent with one or more own single (never married) children under 18 years old, living in a household and related to, but not including, the householder or spouse. The most common example of a related subfamily is a young married couple sharing the home of the husband's or wife's parents. The number of related subfamilies is not included in the number of families.

School, Major Activity - A person who spent most of his time during the survey week attending any kind of public or private school, including trade or vocational schools in which students receive no compensation in money or kind.

Secondary Individual - A secondary individual is a person in a household or group quarters such as a guest, roomer, boarder, or resident employee (excluding nonfamily households and inmates of institutions) who is not related to any other person in the household or group quarters.

Self-Employed - Self-employed persons are those who work for profit or fees in their own business, profession or trade, or operate a farm.

Stretches of Unemployment - A continuous stretch is one that is not interrupted by the person getting a job or leaving the labor market to go to school, to keep house, etc. A period of two weeks or more during which a person is employed or ceased looking for work is considered to break the continuity of the period of seeking work.

Unable to Work - A person is classified as unable to work because of long-term physical or mental illness, lasting six months or longer.

Unedited item - An item that is produced by the computer automated instrument, either collected during the interview or created by the instrument. The second character of the item name is always "U".

Unemployed - (See Labor Force.)

Unpaid Family Workers - Unpaid family workers are persons working without pay for 15 hours a week or more on a farm or in a business operated by a member of the household to whom they are related by birth or marriage.

Unrelated Individuals - Unrelated individuals are persons of any age (other than inmates of institutions) who are not living with any relatives. An unrelated individual may be (1) a nonfamily householder living alone or with nonrelatives only, (2) a roomer, boarder, or resident employee with no relatives in the household, or (3) a group quarters member who has no relatives living with him/her. Thus, a widow who occupies her house alone or with one or more other persons not related to her, a roomer not related to anyone else in the housing unit, a maid living as a member of her employer's household but with no relatives in the household, and a resident staff member in a hospital living apart from any relatives are all examples of unrelated individuals.

Unrelated Subfamily - An unrelated subfamily is a family that does not include among its members the householder and relatives of the householder. Members of unrelated subfamilies may include persons such as guests, roomers, boarders, or resident employees and their relatives living in a household. The number of unrelated subfamily members is included in the number of household members but is not included in the count of family members.

Persons living with relatives in group quarters were formerly considered as members of families. However, the number of such unrelated subfamilies became so small (37,000 in 1967) that beginning with the data for 1968 (and beginning with the census data for 1960) the Bureau of the Census includes persons in these unrelated subfamilies in the count of secondary individuals.

Veteran Status - If a person served at any time during the four most recent wartime periods, the codes for all periods of service are entered. A person can report up to 4 periods of service. The following codes are used:

- 0 - Children under 15
- 1 - September 2001 or later
- 2 - August 1990 to August 2001
- 3 - May 1975 to July 1990
- 4 - Vietnam era (Aug 1964 to Apr 1975)
- 5 - February 1955 to July 1964
- 6 - Korean War (July 1950 to January 1955)
- 7 - January 1947 to June 1950
- 8 - World War II (December 1941 to December 1946)
- 9 - November 1941 or earlier

Wage and Salary Workers - Wage and salary workers receive wages, salary, commission, tips, or pay in kind from a private employer or from a governmental unit. Also included are persons who are self-employed in an incorporated business.

Workers - (See Labor Force--Employed.)

Work Experience - Includes those persons who during the preceding calendar year did any work for pay or profit or worked without pay on a family-operated farm or business at any time during the year, on a part-time or full-time basis.

Year-Round Full - Time Worker - A year-round full-time worker is one who usually worked 35 hours or more per week for 50 weeks or more during the preceding calendar year.

ATTACHMENT 5

HOW TO USE THE RECORD LAYOUT

Data users familiar with the CPS data files in prior years will see many similarities between the format of this file and those files released before January 1994. As in the past, there are numeric locations on the file which correspond to each variable. There is only one record layout which contains the variables for children, adults, and armed forces members. In prior years, each type of person had a separate record layout.

Item Naming Conventions

∠ The first character of each variable name is one of the following:

H - Household item

G - Geography item

* P - Person item (includes adult items, child items, and armed forces items)

* There is no need to distinguish adult, child, and armed forces items in the variable names in the new system. The recode **PRPERTYP** (located in positions 161-162) tells you what category the person is in.

∠ The second character of each variable name is one of the following:

E - Edited item

U - Unedited item

X- Allocation flag (see Attachment 15 for more information)

W- Weight

R - Recode

T - Topcode

∠ The remaining characters describe the variable.

∠ For multiple entry items, the file contains a separate variable for each possible response. Each item has the same descriptive name but a number is added as the last digit. For example, Question 22A allows separate entries for up to 6 job search methods. The item names are **PELKM1** (this item is edited), **PULKM2**, (this item is unedited), **PULKM3**, etc. These items are located in positions 296-307 of the record layout.

ATTACHMENT 6

CPS RECORD LAYOUT FOR BASIC LABOR FORCE ITEMS

STANDARD PUBLIC USE FILES

A1. HOUSEHOLD INFORMATION

* STARTING MARCH 2021 *

NAME	SIZE	DESCRIPTION	LOCATION
HRHHID	15	HOUSEHOLD IDENTIFIER (Part 1)	1- 15
		EDITED UNIVERSE: ALL HHLD's IN SAMPLE	
		Part 1. See Characters 71-75 for Part 2 of the Household Identifier.	
HRMONTH	2	MONTH OF INTERVIEW	16-17
		EDITED UNIVERSE: ALL HHLDs IN SAMPLE	
		<u>VALID ENTRIES</u>	
		01 MIN VALUE	
		12 MAX VALUE	
HRYEAR4	4	YEAR OF INTERVIEW	18-21
		EDITED UNIVERSE: ALL HHLDs IN SAMPLE	
		<u>VALID ENTRIES</u>	
		1998 MIN VALUE	
		2999 MAX VALUE	
HURESPLI	2	LINE NUMBER OF THE CURRENT RESPONDENT	22 - 23
		<u>VALID ENTRIES</u>	
		0 MIN VALUE	
		99 MAX VALUE	

NAME	SIZE	DESCRIPTION	LOCATION
HUFINAL	3	FINAL OUTCOME CODE	24 - 26

OUTCOME CODES BETWEEN 001 AND 020 ARE FOR CATI.
ALL OTHER OUTCOME CODES ARE FOR CAPI.

VALID ENTRIES

001 FULLY COMPLETE CATI INTERVIEW
002 PARTIALLY COMPLETED CATI INTERVIEW
003 COMPLETE BUT PERSONAL VISIT REQUESTED NEXT MONTH
004 PARTIAL, NOT COMPLETE AT CLOSEOUT
005 LABOR FORCE COMPLETE, SUPPLEMENT INCOMPLETE - CATI
006 LF COMPLETE, SUPPLEMENT DK ITEMS INCOMPLETE AT
CLOSEOUT-ASEC ONLY
020 HH OCCUPIED ENTIRELY BY ARMED FORCES MEMBERS
OR ALL UNDER 15 YEARS OF AGE
201 CAPI COMPLETE
202 CALLBACK NEEDED
203 SUFFICIENT PARTIAL - PRECLOSEOUT
204 SUFFICIENT PARTIAL - AT CLOSEOUT
205 LABOR FORCE COMPLETE, - SUPPL. INCOMPLETE - CAPI
213 LANGUAGE BARRIER
214 UNABLE TO LOCATE
216 NO ONE HOME
217 TEMPORARILY ABSENT
218 REFUSED
219 OTHER OCCUPIED - SPECIFY
223 ENTIRE HOUSEHOLD ARMED FORCES
224 ENTIRE HOUSEHOLD UNDER 15
225 TEMP. OCCUPIED W/PERSONS WITH URE
226 VACANT REGULAR
227 VACANT - STORAGE OF HHLD FURNITURE
228 UNFIT, TO BE DEMOLISHED
229 UNDER CONSTRUCTION, NOT READY
230 CONVERTED TO TEMP BUSINESS OR STORAGE
231 UNOCCUPIED TENT OR TRAILER SITE
232 PERMIT GRANTED - CONSTRUCTION NOT STARTED
233 OTHER - SPECIFY
240 DEMOLISHED
241 HOUSE OR TRAILER MOVED
242 OUTSIDE SEGMENT
243 CONVERTED TO PERM. BUSINESS OR STORAGE
244 MERGED
245 CONDEMNED
247 UNUSED SERIAL NUMBER OR LISTING SHEET
248 OTHER - SPECIFY
258 UNLOCATABLE SAMPLE ADDRESS

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

259 UNIT DOES NOT EXIST/OUT OF SCOPE
 256 REMOVED DURING SUB-SAMPLING
 257 UNIT ALREADY HAD A CHANCE OF SELECTION

FILLER	2		27 - 28
--------	---	--	---------

HETENURE	2	ARE YOUR LIVING QUARTERS... (READ ANSWER CATEGORIES)	29 - 30
----------	---	---	---------

EDITED UNIVERSE: HRINTSTA = 1 OR HUTYPB = 1-3

VALID ENTRIES

- 1 OWNED OR BEING BOUGHT BY A HH MEMBER
- 2 RENTED FOR CASH
- 3 OCCUPIED WITHOUT PAYMENT OF CASH RENT

NOTE: May be missing on the Basic CPS microdata files.
 This will be updated on later releases of the same month's data.

HEHOUSUT	2	TYPE OF HOUSING UNIT	31 - 32
----------	---	----------------------	---------

EDITED UNIVERSE: ALL HHLDs IN SAMPLE

VALID ENTRIES

- 0 OTHER UNIT
- 1 HOUSE, APARTMENT, FLAT
- 2 HU IN NONTRANSIENT HOTEL, MOTEL, ETC.
- 3 HU PERMANENT IN TRANSIENT HOTEL, MOTEL
- 4 HU IN ROOMING HOUSE
- 5 MOBILE HOME OR TRAILER W/NO PERM. ROOM ADDED
- 6 MOBILE HOME OR TRAILER W/1 OR MORE PERM. ROOMS ADDED
- 7 HU NOT SPECIFIED ABOVE
- 8 QUARTERS NOT HU IN ROOMING OR BRDING HS
- 9 UNIT NOT PERM. IN TRANSIENT HOTL, MOTL
- 10 UNOCCUPIED TENT SITE OR TRLR SITE
- 11 STUDENT QUARTERS IN COLLEGE DORM
- 12 OTHER UNIT NOT SPECIFIED ABOVE

HETELHHD	2	IS THERE A TELEPHONE IN THIS HOUSE/APARTMENT?	33 - 34
----------	---	--	---------

EDITED UNIVERSE: HRINTSTA = 1

VALID ENTRIES

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

1 YES
2 NO

HETELAVL	2	IS THERE A TELEPHONE ELSEWHERE ON WHICH PEOPLE IN THIS HOUSEHOLD CAN BE CONTACTED?	35 - 36
----------	---	--	---------

EDITED UNIVERSE: HETELHHD = 2

VALID ENTRIES

1 YES
2 NO

HEPHONEO	2	IS A TELEPHONE INTERVIEW ACCEPTABLE?	37 - 38
----------	---	--------------------------------------	---------

EDITED UNIVERSE: HETELHHD = 1 OR HETELAVL = 1

VALID ENTRIES

0 NO
1 YES

HEFAMINC	2	FAMILY INCOME (COMBINED INCOME OF ALL FAMILY MEMBERS DURING THE LAST 12 MONTHS. INCLUDES MONEY FROM JOBS, NET INCOME FROM BUSINESS, FARM OR RENT, PENSIONS, DIVIDENDS, INTEREST, SOCIAL SECURITY PAYMENTS AND ANY OTHER MONEY INCOME RECEIVED BY FAMILY MEMBERS WHO ARE 15 YEARS OF AGE OR OLDER.)	39 - 40
----------	---	---	---------

Edited beginning January 2010

Note: Caution should be used when using this variable since it has an allocation rate of approximately 20 percent.

VALID ENTRIES

1 LESS THAN 5,000
2 5,000 TO 7,499
3 7,500 TO 9,999
4 10,000 TO 12,499
5 12,500 TO 14,999
6 15,000 TO 19,999
7 20,000 TO 24,999

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

- | | |
|----|--------------------|
| 8 | 25,000 TO 29,999 |
| 9 | 30,000 TO 34,999 |
| 10 | 35,000 TO 39,999 |
| 11 | 40,000 TO 49,999 |
| 12 | 50,000 TO 59,999 |
| 13 | 60,000 TO 74,999 |
| 14 | 75,000 TO 99,999 |
| 15 | 100,000 TO 149,999 |
| 16 | 150,000 OR MORE |

HUTYPEA	2	TYPE A NONINTERVIEW REASON	41 - 42
---------	---	----------------------------	---------

VALID ENTRIES

- | | |
|---|--------------------------|
| 1 | NO ONE HOME (NOH) |
| 2 | TEMPORARILY ABSENT (TA) |
| 3 | REFUSED (REF) |
| 4 | LANGUAGE BARRIER |
| 5 | UNABLE TO LOCATE |
| 6 | OTHER OCCUPIED - SPECIFY |

HUTYPB	2	TYPE B NON-INTERVIEW REASON	43 - 44
--------	---	-----------------------------	---------

VALID ENTRIES

- | | |
|---|---|
| 1 | VACANT REGULAR |
| 2 | TEMPORARILY OCCUPIED BY PERSONS W/ URE |
| 3 | VACANT-STORAGE OF HHLD FURNITURE |
| 4 | UNFIT OR TO BE DEMOLISHED |
| 5 | UNDER CONSTRUCTION, NOT READY |
| 6 | CONVERTED TO TEMP BUSINESS OR STORAGE |
| 7 | UNOCCUPIED TENT SITE OR TRAILER SITE |
| 8 | PERMIT GRANTED CONSTRUCTION NOT STARTED |
| 9 | OTHER TYPE B - SPECIFY |

HUTYPEC	2	TYPE C NON-INTERVIEW REASON	45 - 46
---------	---	-----------------------------	---------

VALID ENTRIES

- | | |
|---|--|
| 1 | DEMOLISHED |
| 2 | HOUSE OR TRAILER MOVED |
| 3 | OUTSIDE SEGMENT |
| 4 | CONVERTED TO PERM. BUSINESS OR STORAGE |
| 5 | MERGED |
| 6 | CONDEMNED |
| 7 | UNUSED LINE OF LISTING SHEET |
| 8 | UNLOCATABLE SAMPLE ADDRESS |

NAME	SIZE	DESCRIPTION	LOCATION
		9 UNIT DOES NOT EXIST/OUT OF SCOPE 10 OTHER - SPECIFY	
HWHHWGT	10	HOUSEHOLD WEIGHT (4 IMPLIED DECIMAL PLACES) USED FOR TALLYING HOUSEHOLD CHARACTERISTICS EDITED UNIVERSE: HRINTSTA = 1	47 - 56
HRINTSTA	2	INTERVIEW STATUS EDITED UNIVERSE: ALL HHLDs IN SAMPLE <u>VALID ENTRIES</u> 1 INTERVIEW 2 TYPE A NON-INTERVIEW 3 TYPE B NON-INTERVIEW 4 TYPE C NON-INTERVIEW	57 - 58
HRNUMHOU	2	TOTAL NUMBER OF PERSONS LIVING IN THE HOUSEHOLD (HOUSEHOLD MEMBERS). EDITED UNIVERSE: ALL HHLDs IN SAMPLE <u>VALID ENTRIES</u> 0 MIN VALUE 16 MAX VALUE	59 - 60
HRHTYPE	2	HOUSEHOLD TYPE EDITED UNIVERSE: ALL HHLDs IN SAMPLE <u>VALID ENTRIES</u> 0 NON-INTERVIEW HOUSEHOLD 1 HUSBAND/WIFE PRIMARY FAMILY (NEITHER AF) 2 HUSB/WIFE PRIM. FAMILY (EITHER/BOTH AF) 3 UNMARRIED CIVILIAN MALE-PRIM. FAM HHLDER 4 UNMARRIED CIV. FEMALE-PRIM FAM HHLDER 5 PRIMARY FAMILY HHLDER-RP IN AF, UNMAR. 6 CIVILIAN MALE PRIMARY INDIVIDUAL 7 CIVILIAN FEMALE PRIMARY INDIVIDUAL 8 PRIMARY INDIVIDUAL HHLD-RP IN AF 9 GROUP QUARTERS WITH FAMILY 10 GROUP QUARTERS WITHOUT FAMILY	61 - 62

NAME	SIZE	DESCRIPTION	LOCATION
HRMIS	2	MONTH-IN-SAMPLE EDITED UNIVERSE: ALL HHLDs IN SAMPLE <u>VALID ENTRIES</u> 1 MIN VALUE 8 MAX VALUE	63 - 64
HUINTTYP	2	TYPE OF INTERVIEW <u>VALID ENTRIES</u> 0 NONINTERVIEW/INDETERMINATE 1 PERSONAL 2 TELEPHONE	65 - 66
HUPRSCNT	2	NUMBER OF ACTUAL AND ATTEMPTED PERSONAL CONTACTS <u>VALID ENTRIES</u> 1 MIN VALUE 9 MAX VALUE	67 - 68
HRLONGLK	2	LONGITUDINAL LINK INDICATOR EDITED UNIVERSE: ALL HHLDs IN SAMPLE <u>VALID ENTRIES</u> 0 MIS 1 OR REPLACEMENT HH (NO LINK) 2 MIS 2-4 OR MIS 6-8 3 MIS 5	69 - 70
HRHHID2	5	HOUSEHOLD IDENTIFIER (part 2) EDITED UNIVERSE: ALL HHLD's IN SAMPLE Part 1 of this number is found in columns 1-15 of the record. Concatenate this item with Part 1 for matching. The component parts of this number are as follows: 71-72 Numeric component of the sample number (HRSAMPLE) 73-74 Serial suffix-converted to numerics (HRSERSUF) 75 Household Number (HUHHNUM)	71 - 75
HWHHWTLN	2	Line Number (PULINENO) of the person whose PWSSWGT was donated as HWHHWGT for the household	76-77

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

EDITED UNIVERSE: HPRINTSTA = 1

VALID ENTRIES

0 MIN VALUE
16 MAX VALUE

FILLER	1		78 - 78
--------	---	--	---------

HUBUS	2	DOES ANYONE IN THIS HOUSEHOLD HAVE A BUSINESS OR A FARM?	79 - 80
-------	---	---	---------

VALID ENTRIES

1 YES
2 NO

HUBUSL1	2	ENTER LINE NUMBER FOR HUBUS = 1	81 - 82
---------	---	------------------------------------	---------

VALID ENTRIES

01 MIN VALUE
99 MAX VALUE

HUBUSL2	2	See BUSL1	83 - 84
---------	---	-----------	---------

VALID ENTRIES

1 MIN VALUE
99 MAX VALUE

HUBUSL3	2	See BUSL1	85 - 86
---------	---	-----------	---------

VALID ENTRIES

1 MIN VALUE
99 MAX VALUE

HUBUSL4	2	See BUSL1	87 - 88
---------	---	-----------	---------

VALID ENTRIES

1 MIN VALUE
99 MAX VALUE

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

A2. GEOGRAPHIC INFORMATION

GEREG	2	REGION	89 - 90
-------	---	--------	---------

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

VALID ENTRIES

- 1 NORTHEAST
- 2 MIDWEST (FORMERLY NORTH CENTRAL)
- 3 SOUTH
- 4 WEST

GEDIV	1	DIVISION	91 - 91
-------	---	----------	---------

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

VALID ENTRIES

- 1 NEW ENGLAND
- 2 MIDDLE ATLANTIC
- 3 EAST NORTH CENTRAL
- 4 WEST NORTH CENTRAL
- 5 SOUTH ATLANTIC
- 6 EAST SOUTH CENTRAL
- 7 WEST SOUTH CENTRAL
- 8 MOUNTAIN
- 9 PACIFIC

FILLER	1		92 – 92
--------	---	--	---------

GESTFIPS	2	FEDERAL INFORMATION PROCESSING STANDARDS (FIPS) STATE CODE	93 - 94
----------	---	--	---------

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

VALID ENTRIES

- | | | | |
|----|----|----|----|
| 01 | AL | 30 | MT |
| 02 | AK | 31 | NE |
| 04 | AZ | 32 | NV |
| 05 | AR | 33 | NH |
| 06 | CA | 34 | NJ |
| 08 | CO | 35 | NM |

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

09	CT	36	NY
10	DE	37	NC
11	DC	38	ND
12	FL	39	OH
13	GA	40	OK
15	HI	41	OR
16	ID	42	PA
17	IL	44	RI
18	IN	45	SC
19	IA	46	SD
20	KS	47	TN
21	KY	48	TX
22	LA	49	UT
23	ME	50	VT
24	MD	51	VA
25	MA	53	WA
26	MI	54	WV
27	MN	55	WI
28	MS	56	WY
29	MO		

FILLER	1		95 - 95
--------	---	--	---------

GTCBSA	5	SPECIFIC METROPOLITAN CBSA CODE (SEE GEOGRAPHIC ATTACHMENT)	96 - 100
--------	---	--	----------

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

VALID ENTRIES

00000	NOT IDENTIFIED OR NONMETROPOLITAN
10180	MIN VALUE
49740	MAX VALUE

GTCO	3	FIPS COUNTY CODE	101 - 103
------	---	------------------	-----------

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

VALID ENTRIES

000	NOT IDENTIFIED
001-810	SPECIFIC COUNTY CODE (SEE GEOGRAPHIC ATTACHMENT)
NOTE: THIS CODE MUST BE USED IN COMBINATION WITH A STATE CODE (GESTFIPS or GESTCEN) IN ORDER TO UNIQUELY IDENTIFY A COUNTY.	

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

ALSO, MOST COUNTIES ARE NOT IDENTIFIED.

GTCBSAST	1	PRINCIPAL CITY/BALANCE STATUS	104 - 104
----------	---	-------------------------------	-----------

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

VALID ENTRIES

- 1 PRINCIPAL CITY
- 2 BALANCE
- 3 NONMETROPOLITAN
- 4 NOT IDENTIFIED

GTMETSTA	1	METROPOLITAN STATUS	105 - 105
----------	---	---------------------	-----------

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

VALID ENTRIES

- 1 METROPOLITAN
- 2 NONMETROPOLITAN
- 3 NOT IDENTIFIED

GTINDVPC	1	INDIVIDUAL PRINCIPAL CITY	106 - 106
----------	---	---------------------------	-----------

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

VALID ENTRIES

- 0 NOT IDENTIFIED, NONMETROPOLITAN,
or NOT A CENTRAL CITY
- 1-7 SPECIFIC PRINCIPAL CITY CODE
(SEE GEOGRAPHIC ATTACHMENT)
NOTE: WHENEVER POSSIBLE THIS CODE
IDENTIFIES SPECIFIC PRINCIPAL CITIES IN
A METROPOLITAN AREA THAT HAS MULTIPLE
PRINCIPAL CITIES. THIS CODE MUST BE
USED IN COMBINATION WITH THE CBSA
FIPS CODE (GTCBSA) IN ORDER TO
UNIQUELY IDENTIFY A SPECIFIC CITY.

GTCBSASZ	1	Metropolitan Area (CBSA) SIZE	107 - 107
----------	---	-------------------------------	-----------

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

VALID ENTRIES

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

0	NOT IDENTIFIED OR NONMETROPOLITAN
2	100,000 - 249,999
3	250,000 - 499,999
4	500,000 - 999,999
5	1,000,000 - 2,499,999
6	2,500,000 - 4,999,999
7	5,000,000+

GTCSA	3	Consolidated Statistical Area (CSA) FIPS CODE (SEE GEOGRAPHIC ATTACHMENT)	108-110
-------	---	--	---------

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

VALID ENTRIES

000	NOT IDENTIFIED OR NONMETROPOLITAN
104	MIN VALUE
548	MAX VALUE

FILLER	3		111 - 113
--------	---	--	-----------

A3. PERSONS INFORMATION DEMOGRAPHIC ITEMS

FILLER	2	Starting January 2014	114 - 117
--------	---	-----------------------	-----------

PERRP	2	RELATIONSHIP TO REFERENCE PERSON	118 - 119
-------	---	-------------------------------------	-----------

EDITED UNIVERSE: PRPERTYP = 1, 2, OR 3

VALID ENTRIES

EXPANDED RELATIONSHIP CATEGORIES

40	REFERENCE PERSON W/RELS.
41	REFERENCE PERSON W/O RELS.
42	OPPOSITE SEX SPOUSE
43	OPPOSITE SEX PARTNER WITH RELATIVES
44	OPPOSITE SEC PARTNER WITHOUT RELATIVES
45	SAME SEX SPOUSE
46	SAME SEX PARTNER WITH RELATIVES
47	SAME SEX PARTNER WITHOUT RELATIVES
48	CHILD
49	GRANDCHILD
50	PARENT

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

51	BROTHER/SISTER
52	OTHER REL. OR REF. PERSON
53	FOSTER CHILD
54	HOUSEMATE/ROOMMATE W/RELS.
55	HOUSEMATE/ROOMMATEW/O RELS.
56	ROOMER/BOARDER W/RELS.
57	ROOMER/BOARDER W/OUT RELS.
58	NONRELATIVE OF REFERENCE PERSON W/RELS.
59	NONRELATIVE OF REFERENCE PERSON W/OUT RELS.

FILLER	2		120 - 121
--------	---	--	-----------

PRTAGE	2	PERSONS AGE	122 - 123
--------	---	-------------	-----------

Note: This variable was labeled as PEAGE in prior versions of this documentation even though it contained the public use version of age that was topcoded and underwent further masking steps to protect the confidentiality of individuals in sample.

EDITED UNIVERSE: PRPERTYP = 1, 2, OR 3

VALID ENTRIES

00-79	Age in Years
80	80-84 Years Old
85	85+ Years Old

PRTFAGE	1	TOP CODE FLAG FOR AGE	124 - 124
---------	---	-----------------------	-----------

VALID ENTRIES

0	NO TOP CODE
1	TOP CODED VALUE FOR AGE

PEMARITL	2	MARITAL STATUS	125 - 126
----------	---	----------------	-----------

EDITED UNIVERSE: PRTAGE >= 15

VALID ENTRIES

1	MARRIED - SPOUSE PRESENT
2	MARRIED - SPOUSE ABSENT
3	WIDOWED
4	DIVORCED

NAME	SIZE	DESCRIPTION	LOCATION
		5 SEPARATED 6 NEVER MARRIED	
PESPOUSE	2	LINE NUMBER OF SPOUSE EDITED UNIVERSE: PEMARITL = 1 <u>VALID ENTRIES</u> -1 NO SPOUSE 01 MIN VALUE 99 MAX VALUE	127 - 128
PESEX	2	SEX EDITED UNIVERSE: PRPERTYP = 1, 2, OR 3 <u>VALID ENTRIES</u> 1 MALE 2 FEMALE	129 - 130
PEAFEVER	2	DID YOU EVER SERVE ON ACTIVE DUTY IN THE U.S. ARMED FORCES? <u>EDITED UNIVERSE:</u> PRTAGE >=17 <u>VALID ENTRIES</u> 1 YES 2 NO	131 - 132
FILLER	2	Starting August 2005	133 - 134
PEAFNOW	2	ARE YOU NOW IN THE ARMED FORCES EDITED UNIVERSE: PRPERTYP = 2 or 3 <u>VALID ENTRIES</u> 1 YES 2 NO	135 - 136
PEEDUCA	2	HIGHEST LEVEL OF SCHOOL COMPLETED OR DEGREE RECEIVED	137 - 138

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

EDITED UNIVERSE: PRPERTYP = 2 OR 3

VALID ENTRIES

- 31 LESS THAN 1ST GRADE
- 32 1ST, 2ND, 3RD OR 4TH GRADE
- 33 5TH OR 6TH GRADE
- 34 7TH OR 8TH GRADE
- 35 9TH GRADE
- 36 10TH GRADE
- 37 11TH GRADE
- 38 12TH GRADE NO DIPLOMA
- 39 HIGH SCHOOL GRAD-DIPLOMA OR EQUIV (GED)
- 40 SOME COLLEGE BUT NO DEGREE
- 41 ASSOCIATE DEGREE-OCCUPATIONAL/VOCATIONAL
- 42 ASSOCIATE DEGREE-ACADEMIC PROGRAM
- 43 BACHELOR'S DEGREE (EX: BA, AB, BS)
- 44 MASTER'S DEGREE (EX: MA, MS, MEng, MEd, MSW)
- 45 PROFESSIONAL SCHOOL DEG (EX: MD, DDS, DVM)
- 46 DOCTORATE DEGREE (EX: PhD, EdD)

PTDTRACE	2	RACE	139 – 140
----------	---	------	-----------

EDITED UNIVERSE: PRPERTYP = 1, 2, OR 3

VALID ENTRIES

- 01 White Only
- 02 Black Only
- 03 American Indian, Alaskan Native Only
- 04 Asian Only
- 05 Hawaiian/Pacific Islander Only
- 06 White-Black
- 07 White-AI
- 08 White-Asian
- 09 White-HP
- 10 Black-AI
- 11 Black-Asian
- 12 Black-HP
- 13 AI-Asian
- 14 AI-HP
- 15 Asian-HP

NAME	SIZE	DESCRIPTION	LOCATION
		16 W-B-AI	
		17 W-B-A	
		18 W-B-HP	
		19 W-AI-A	
		20 W-AI-HP	
		21 W-A-HP	
		22 B-AI-A	
		23 W-B-AI-A	
		24 W-AI-A-HP	
		25 Other 3 Race Combinations	
		26 Other 4 and 5 Race Combinations	
PRDTHSP	2	DETAILED HISPANIC ORIGIN GROUP	141 - 142

Revised January 2014

EDITED UNIVERSE: PEHSPNON = 1

VALID ENTRIES

- 1 Mexican
- 2 Puerto Rican
- 3 Cuban
- 4 Dominican
- 5 Salvadoran
- 6 Central American, excluding Salvadoran
- 7 South American
- 8 Other Spanish

PUCHINHH	2	CHANGE IN HOUSEHOLD COMPOSITION	143 – 144
----------	---	---------------------------------	-----------

VALID ENTRIES

- 1 PERSON ADDED
- 2 PERSON ADDED - URE
- 3 PERSON UNDELETED

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

- 4 PERSON DIED
- 5 DELETED FOR REASON OTHER THAN DEATH
- 6 PERSON JOINED ARMED FORCES
- 7 PERSON NO LONGER IN AF
- 9 CHANGE IN DEMOGRAPHIC INFORMATION

FILLER	2		145 - 146
--------	---	--	-----------

PULINENO	2	PERSON'S LINE NUMBER	147 – 148
----------	---	----------------------	-----------

VALID ENTRIES

- 01 MIN VALUE
- 99 MAX VALUE

FILLER	2		149 - 150
--------	---	--	-----------

PRFAMNUM	2	FAMILY NUMBER RECODE	151 - 152
----------	---	----------------------	-----------

EDITED UNIVERSE: PRPERTYP = 1, 2, OR 3

VALID ENTRIES

- 00 NOT A FAMILY MEMBER
- 01 PRIMARY FAMILY MEMBER ONLY
- 02 SUBFAMILY NO. 2 MEMBER
- 03 SUBFAMILY NO. 3 MEMBER
- 04 SUBFAMILY NO. 4 MEMBER
- 05 SUBFAMILY NO. 5 MEMBER
- 06 SUBFAMILY NO. 6 MEMBER
- 07 SUBFAMILY NO. 7 MEMBER
- 08 SUBFAMILY NO. 8 MEMBER
- 09 SUBFAMILY NO. 9 MEMBER
- 10 SUBFAMILY NO. 10 MEMBER
- 11 SUBFAMILY NO. 11 MEMBER
- 12 SUBFAMILY NO. 12 MEMBER
- 13 SUBFAMILY NO. 13 MEMBER
- 14 SUBFAMILY NO. 14 MEMBER
- 15 SUBFAMILY NO. 15 MEMBER
- 16 SUBFAMILY NO. 16 MEMBER
- 17 SUBFAMILY NO. 17 MEMBER
- 18 SUBFAMILY NO. 18 MEMBER
- 19 SUBFAMILY NO. 19 MEMBER

NAME	SIZE	DESCRIPTION	LOCATION
PRFAMREL	2	FAMILY RELATIONSHIP RECODE	153 - 154
		EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3	
		<u>VALID ENTRIES</u>	
		0 NOT A FAMILY MEMBER	
		1 REFERENCE PERSON	
		2 SPOUSE	
		3 CHILD	
		4 OTHER RELATIVE (PRIMARY FAMILY & UNREL)	
PRFAMTYP	2	FAMILY TYPE RECODE	155 - 156
		EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3	
		<u>VALID ENTRIES</u>	
		1 PRIMARY FAMILY	
		2 PRIMARY INDIVIDUAL	
		3 RELATED SUBFAMILY	
		4 UNRELATED SUBFAMILY	
		5 SECONDARY INDIVIDUAL	
PEHSPNON	2	HISPANIC OR NON-HISPANIC	157 - 158
		EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3	
		<u>VALID ENTRIES</u>	
		1 HISPANIC	
		2 NON-HISPANIC	
PRMARSTA	2	MARITAL STATUS BASED ON ARMED FORCES PARTICIPATION	159 - 160
		EDITED UNIVERSE: PRPERTYP = 2 0R 3	
		<u>VALID ENTRIES</u>	
		1 MARRIED, CIVILIAN SPOUSE PRESENT	
		2 MARRIED, ARMED FORCES SPOUSE PRESENT	
		3 MARRIED, SPOUSE ABSENT (EXC. SEPARATED)	
		4 WIDOWED	
		5 DIVORCED	
		6 SEPARATED	

NAME	SIZE	DESCRIPTION	LOCATION
		7 NEVER MARRIED	
PRPERTYP	2	TYPE OF PERSON RECORD RECODE	161 - 162
		EDITED UNIVERSE: ALL HOUSEHOLD MEMBERS	
		<u>VALID ENTRIES</u>	
		1 CHILD HOUSEHOLD MEMBER	
		2 ADULT CIVILIAN HOUSEHOLD MEMBER	
		3 ADULT ARMED FORCES HOUSEHOLD MEMBER	
PENATVTY	3	COUNTRY OF BIRTH	163 - 165
		EDITED UNIVERSE: PRPERTYP = 1, 2, OR 3	
		<u>VALID ENTRIES</u>	
		057 UNITED STATES	
		060 AM SAMOA	
		066 GUAM	
		073 PUERTO RICO	
		078 U. S. VIRGIN ISLANDS	
		096 OTHER U. S. ISLAND AREA	
		100-554 FOREIGN COUNTRY (SEE APPENDIX)	
		555 ELSEWHERE	
PEMNTVTY	3	MOTHER'S COUNTRY OF BIRTH	166 - 168
		EDITED UNIVERSE: PRPERTYP = 1, 2, OR 3	
		<u>VALID ENTRIES</u>	
		057 UNITED STATES	
		060 AM SAMOA	
		066 GUAM	
		073 PUERTO RICO	
		078 U. S. VIRGIN ISLANDS	
		096 OTHER U. S. ISLAND AREA	
		100-554 FOREIGN COUNTRY (SEE APPENDIX)	
		555 ELSEWHERE	
PEFNTVTY	3	FATHER'S COUNTRY OF BIRTH	169 - 171
		EDITED UNIVERSE: PRPERTYP = 1, 2, OR 3	

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

VALID ENTRIES

057 UNITED STATES
060 AM SAMOA
066 GUAM
073 PUERTO RICO
078 U. S. VIRGIN ISLANDS
096 OTHER U. S. ISLAND AREA
100-554 FOREIGN COUNTRY (SEE APPENDIX)
555 ELSEWHERE

PRCITSH	2	CITIZENSHIP STATUS	172 - 173
---------	---	--------------------	-----------

EDITED UNIVERSE: PRPERTYP = 1, 2, OR 3

VALID ENTRIES

1 NATIVE, BORN IN THE UNITED STATES
2 NATIVE, BORN IN PUERTO RICO OR OTHER U.S. ISLAND AREAS
3 NATIVE, BORN ABROAD OF AMERICAN PARENT OR PARENTS
4 FOREIGN BORN, U.S. CITIZEN BY NATURALIZATION
5 FOREIGN BORN, NOT A CITIZEN OF THE UNITED STATES

PRCITFLG	2	CITIZENSHIP ALLOCATION FLAG	174 - 175
----------	---	-----------------------------	-----------

EDITED UNIVERSE: PRPERTYP = 1, 2, OR 3

Placed in this position because naming convention is different from all other allocation flags.

PRINUSYR	2	IMMIGRANT'S YEAR OF ENTRY	176 - 177
----------	---	---------------------------	-----------

EDITED UNIVERSE: PRCITSH = 2, 3, 4, OR 5

VALID ENTRIES

-1 NOT IN UNIVERSE (BORN IN U.S.)
00 NOT FOREIGN BORN
01 BEFORE 1950
02 1950-1959
03 1960-1964
04 1965-1969
05 1970-1974
06 1975-1979
07 1980-1981

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

08	1982-1983
09	1984-1985
10	1986-1987
11	1988-1989
12	1990-1991
13	1992-1993
14	1994-1995
15	1996-1997
16	1998-1999
17	2000-2001
18	2002-2003
19	2004-2005
20	2006-2007
21	2008-2009
22	2010-2011
23	2012-2013
24	2014-2015
25	2016-2017
26	2018-2020

Starting January 2021

26	2018-2021
----	-----------

Starting January 2022

26	2018-2019
27	2020-2022

A4. PERSONS INFORMATION LABOR FORCE ITEMS

PUSLFPRX	2	LABOR FORCE INFORMATION COLLECTED BY SELF OR PROXY RESPONSE	178 - 179
----------	---	--	-----------

VALID ENTRIES

1	SELF
2	PROXY
3	BOTH SELF AND PROXY

PEMLR	2	MONTHLY LABOR FORCE RECODE	180 - 181
-------	---	----------------------------	-----------

EDITED UNIVERSE: PRPERTYP = 2

VALID ENTRIES

1	EMPLOYED-AT WORK
---	------------------

NAME	SIZE	DESCRIPTION	LOCATION
		2 EMPLOYED-ABSENT 3 UNEMPLOYED-ON LAYOFF 4 UNEMPLOYED-LOOKING 5 NOT IN LABOR FORCE-RETIRED 6 NOT IN LABOR FORCE-DISABLED 7 NOT IN LABOR FORCE-OTHER	
PUWK	2	LAST WEEK, DID YOU DO ANY WORK FOR (EITHER) PAY (OR PROFIT)? <u>VALID ENTRIES</u> 1 YES 2 NO 3 RETIRED 4 DISABLED 5 UNABLE TO WORK	182 - 183
PUBUS1	2	LAST WEEK, DID YOU DO ANY UNPAID WORK IN THE FAMILY BUSINESS OR FARM? <u>VALID ENTRIES</u> 1 YES 2 NO	184 - 185
PUBUS2OT	2	DO YOU RECEIVE ANY PAYMENTS OR PROFITS FROM THE BUSINESS? <u>VALID ENTRIES</u> 1 YES 2 NO	186 - 187
PUBUSCK1	2	CHECK ITEM 1 FILTER FOR QUESTIONS ON UNPAID WORK <u>VALID ENTRIES</u> 1 GOTO PUBUS1 2 GOTO PURETCK1	188 - 189
PUBUSCK2	2	CHECK ITEM 2 SKIPS OWNERS OF FAMILY BUSINES WHO DID	190 - 191

NAME	SIZE	DESCRIPTION	LOCATION
		NOT WORK LAST WEEK	
		<u>VALID ENTRIES</u>	
		1 GOTO PUHRUSL1	
		2 GOTO PUBUS2	
PUBUSCK3	2	CHECK ITEM 3	192 - 193
		<u>VALID ENTRIES</u>	
		1 GOTO PUABSRSN	
		2 GOTO PULAY	
PUBUSCK4	2	CHECK ITEM 4	194 - 195
		<u>VALID ENTRIES</u>	
		1 GOTO PUHRUSL1	
		2 GOTO PUABSPD	
PURETOT	2	RETIREMENT STATUS (LAST MONTH YOU WERE REPORTED TO BE RETIRED, ARE YOU STILL RETIRED THIS MONTH?)	196 - 197
		<u>VALID ENTRIES</u>	
		1 YES	
		2 NO	
		3 WAS NOT RETIRED LAST MONTH	
PUDIS	2	DISABILITY STATUS (LAST MONTH YOU WERE REPORTED TO HAVE A DISABILITY.) DOES YOUR DISABILITY CONTINUE TO PREVENT YOU FROM DOING ANY KIND OF WORK FOR THE NEXT 6 MONTHS?	198 - 199
		<u>VALID ENTRIES</u>	
		1 YES	
		2 NO	
		3 DID NOT HAVE DISABILITY LAST MONTH	
PERET1	2	DO YOU CURRENTLY WANT A JOB, EITHER FULL OR PART-TIME?	200 - 201
		EDITED UNIVERSE: PEMLR = 5 AND (PURETOT = 1 OR (PUWK = 3 AND PRTAGE >= 50) OR	

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

(PUABS = 3 AND PRTAGE >= 50) OR
(PULAY = 3 AND PRTAGE >= 50))

VALID ENTRIES

- 1 YES
- 2 NO
- 3 HAS A JOB

PUDIS1	2	DOES YOUR DISABILITY PREVENT YOU FROM ACCEPTING ANY KIND OF WORK DURING THE NEXT SIX MONTHS?	202 - 203
--------	---	--	-----------

VALID ENTRIES

- 1 YES
- 2 NO

PUDIS2	2	DO YOU HAVE A DISABILITY THAT PREVENTS YOU FROM ACCEPTING ANY KIND OF WORK DURING THE NEXT SIX MONTHS?	204 - 205
--------	---	--	-----------

VALID ENTRIES

- 1 YES
- 2 NO

PUABSOT	2	LAST WEEK DID YOU HAVE A JOB EITHER FULL OR PART-TIME?	206 - 207
---------	---	--	-----------

VALID ENTRIES

- 1 YES
- 2 NO
- 3 RETIRED
- 4 DISABLED
- 5 UNABLE TO WORK

PULAY	2	LAST WEEK, WERE YOU ON LAYOFF FROM A JOB?	208 - 209
-------	---	---	-----------

VALID ENTRIES

- 1 YES
- 2 NO
- 3 RETIRED
- 4 DISABLED
- 5 UNABLE TO WORK

NAME	SIZE	DESCRIPTION	LOCATION
PEABSRSN	2	WHAT IS THE MAIN REASON YOU WERE ABSENT FROM WORK LAST WEEK? EDITED UNIVERSE: PEMLR = 2 <u>VALID ENTRIES</u> 1 ON LAYOFF 2 SLACK WORK/BUSINESS CONDITIONS 3 WAITING FOR A NEW JOB TO BEGIN 4 VACATION/PERSONAL DAYS 5 OWN ILLNESS/INJURY/MEDICAL PROBLEMS 6 CHILD CARE PROBLEMS 7 OTHER FAMILY/PERSONAL OBLIGATION 8 MATERNITY/PATERNITY LEAVE 9 LABOR DISPUTE 10 WEATHER AFFECTED JOB 11 SCHOOL/TRAINING 12 CIVIC/MILITARY DUTY 13 DOES NOT WORK IN THE BUSINESS 14 OTHER (SPECIFY)	210 - 211
PEABSPDO	2	ARE YOU BEING PAID BY YOUR EMPLOYER FOR ANY OF THE TIME OFF LAST WEEK? EDITED UNIVERSE: PEABSRSN = 4-12, 14 <u>VALID ENTRIES</u> 1 YES 2 NO	212 - 213
PEMJOT	2	DO YOU HAVE MORE THAN ONE JOB? EDITED UNIVERSE: PEMLR = 1, 2 <u>VALID ENTRIES</u> 1 YES 2 NO	214 - 215
PEMJNUM	2	ALTOGETHER, HOW MANY JOBS DID YOU HAVE?	216 - 217

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

EDITED UNIVERSE: PEMJOT = 1

VALID ENTRIES

- 2 2 JOBS
- 3 3 JOBS
- 4 4 OR MORE JOBS

PEHRUSL1	2	HOW MANY HOURS PER WEEK DO YOU USUALLY WORK AT YOUR MAIN JOB?	218 - 219
----------	---	--	-----------

EDITED UNIVERSE: PEMJOT = 1 OR 2 AND PEMLR = 1 OR 2

VALID ENTRIES

- 4 HOURS VARY
- 0 MIN VALUE
- 99 MAX VALUE

PEHRUSL2	2	HOW MANY HOURS PER WEEK DO YOU USUALLY WORK AT YOUR OTHER (JOB/JOBS)?	220 - 221
----------	---	--	-----------

EDITED UNIVERSE: PEMJOT = 1 AND PEMLR = 1 OR 2

VALID ENTRIES

- 4 HOURS VARY
- 0 MIN VALUE
- 99 MAX VALUE

PEHRFTPT	2	DO YOU USUALLY WORK 35 HOURS OR MORE PER WEEK?	222 - 223
----------	---	---	-----------

EDITED UNIVERSE: PEHRUSL1 = -4 OR PEHRUSL2 = -4

VALID ENTRIES

- 1 YES
- 2 NO
- 3 HOURS VARY

PEHRUSLT	3	SUM OF HRUSL1 AND HRUSL2.	224 - 226
----------	---	---------------------------	-----------

EDITED UNIVERSE: PEMLR = 1 OR 2

VALID ENTRIES

NAME	SIZE	DESCRIPTION	LOCATION
		-4 VARIES 0 MIN VALUE 198 MAX VALUE	
PEHRWANT	2	DO YOU WANT TO WORK A FULL-TIME WORK WEEK OF 35 HOURS OR MORE PER WEEK? EDITED UNIVERSE: PEMLR = 1 AND (PEHRUSLT = 0-34 PEHRFTPT = 2) <u>VALID ENTRIES</u> 1 YES 2 NO 3 REGULAR HOURS ARE FULL-TIME	227 - 228
PEHRRSN1	2	WHAT IS YOUR MAIN REASON FOR WORKING PART-TIME? EDITED UNIVERSE: PEHRWANT = 1 (PEMLR = 1 AND PEHRUSLT < 35) <u>VALID ENTRIES</u> 1 SLACK WORK/BUSINESS CONDITIONS 2 COULD ONLY FIND PART-TIME WORK 3 SEASONAL WORK 4 CHILD CARE PROBLEMS 5 OTHER FAMILY/PERSONAL OBLIGATIONS 6 HEALTH/MEDICAL LIMITATIONS 7 SCHOOL/TRAINING 8 RETIRED/SOCIAL SECURITY LIMIT ON EARNINGS 9 FULL-TIME WORKWEEK IS LESS THAN 35 HRS 10 OTHER - SPECIFY	229 - 230
PEHRRSN2	2	WHAT IS THE MAIN REASON YOU DO NOT WANT TO WORK FULL-TIME? EDITED UNIVERSE: PEHRWANT = 2 (PEMLR = 1 AND PEHRUSLT < 35) <u>VALID ENTRIES</u> 1 CHILD CARE PROBLEMS 2 OTHER FAMILY/PERSONAL OBLIGATIONS 3 HEALTH/MEDICAL LIMITATIONS 4 SCHOOL/TRAINING	231 - 232

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

- 5 RETIRED/SOCIAL SECURITY LIMIT ON EARNINGS
- 6 FULL-TIME WORKWEEK LESS THAN 35 HOURS
- 7 OTHER - SPECIFY

PEHRRSN3	2	WHAT IS THE MAIN REASON YOU WORKED LESS THAN 35 HOURS LAST WEEK?	233 - 234
----------	---	--	-----------

EDITED UNIVERSE: PEHRACTT = 1-34 AND PUHRCK7 NE 1, 2
(PEMLR = 1 AND PEHRUSLT = 35+)

VALID ENTRIES

- 1 SLACK WORK/BUSINESS CONDITIONS
- 2 SEASONAL WORK
- 3 JOB STARTED OR ENDED DURING WEEK
- 4 VACATION/PERSONAL DAY
- 5 OWN ILLNESS/INJURY/MEDICAL APPOINTMENT
- 6 HOLIDAY (LEGAL OR RELIGIOUS)
- 7 CHILD CARE PROBLEMS
- 8 OTHER FAMILY/PERSONAL OBLIGATIONS

- 9 LABOR DISPUTE
- 10 WEATHER AFFECTED JOB
- 11 SCHOOL/TRAINING
- 12 CIVIC/MILITARY DUTY
- 13 OTHER REASON

PUHROFF1	2	LAST WEEK, DID YOU LOSE OR TAKE OFF ANY HOURS FROM YOUR JOB, FOR ANY REASON SUCH AS ILLNESS, SLACK WORK, VACATION, OR HOLIDAY?	235 - 236
----------	---	--	-----------

VALID ENTRIES

- 1 YES
- 2 NO

PUHROFF2	2	HOW MANY HOURS DID YOU TAKE OFF?	237 - 238
----------	---	----------------------------------	-----------

VALID ENTRIES

- 0 MIN VALUE
- 99 MAX VALUE

NAME	SIZE	DESCRIPTION	LOCATION
PUHROT1	2	LAST WEEK, DID YOU WORK ANY OVERTIME OR EXTRA HOURS (AT YOUR MAIN JOB) THAT YOU DO NOT USUALLY WORK? <u>VALID ENTRIES</u> 1 YES 2 NO	239 - 240
PUHROT2	2	HOW MANY ADDITIONAL HOURS DID YOU WORK? <u>VALID ENTRIES</u> 0 MIN VALUE 99 MAX VALUE	241 - 242
PEHRACT1	2	LAST WEEK, HOW MANY HOURS DID YOU ACTUALLY WORK AT YOUR JOB? EDITED UNIVERSE: PEMLR = 1 <u>VALID ENTRIES</u> 0 MIN VALUE 99 MAX VALUE	243 - 244
PEHRACT2	2	LAST WEEK, HOW MANY HOURS DID YOU ACTUALLY WORK AT YOUR OTHER (JOB/JOBS) EDITED UNIVERSE: PEMLR = 1 AND PEMJOT = 1 <u>VALID ENTRIES</u> 0 MIN VALUE 99 MAX VALUE	245 - 246
PEHRACTT	3	SUM OF PEHRACT1 AND PEHRACT2. EDITED UNIVERSE: PEMLR = 1 <u>VALID ENTRIES</u> 0 MIN VALUE	247 - 249

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

198 MAX VALUE

PEHRAVL	2	LAST WEEK, COULD YOU HAVE WORKED FULL-TIME IF THE HOURS HAD BEEN AVAILABLE?	250 - 251
---------	---	--	-----------

EDITED UNIVERSE: PEHRACTT = 1-34 (PEMLR = 1 AND
PEHRUSLT < 35 AND PEHRRSN1 = 1, 2, 3)

VALID ENTRIES

- 1 YES
- 2 NO

FILLER	5		252 - 256
--------	---	--	-----------

PUHRCK1	2	CHECK ITEM 1	257 - 258
---------	---	--------------	-----------

VALID ENTRIES

- 1 GOTO PUHRUSL2
- 2 GOTO PUHRUSLT

PUHRCK2	2	CHECK ITEM 2 SKIPS PERSONS RESPONDING YES TO HRFTPT OUT OF PT SERIES	259 - 260
---------	---	--	-----------

VALID ENTRIES

- 1 IF ENTRY OF 1 IN MJ AND
ENTRY OF D, R OR V IN HRUSL1
AND ENTRY OF D, R, V OR 0-34
IN HRUSL2 GOTO HRFTPT
- 2 IF ENTRY OF 1 IN MJ AND ENTRY
OF D, R OR V IN HRUSL2 AND
ENTRY OF D, R V OR 0-34 IN
HRUSL1 GOTO HRFTPT
- 3 IF ENTRY OF 2, D OR R IN MJ
AND ENTRY OF D, R OR V IN HRUSL1
GOTO HRFTPT
- 4 IF ENTRY OF 1 IN BUS1 AND ENTRY
OF D, R OR V IN HRUSL1 THEN
GOTO HRFTPT
- 5 ALL OTHERS GOTO HRCK3-C

NAME	SIZE	DESCRIPTION	LOCATION
PUHRCK3	2	CHECK ITEM 3	261 - 262
		<u>VALID ENTRIES</u>	
		1 IF ENTRY OF 1 IN ABSOT OR (ENTRY OR 2 IN ABSOT AND ENTRY OF 1 IN BUS AND CURRENT R_P EQUALS BUSLST) THEN GOTO HRCK8	
		2 IF ENTRY OF 3 IN RET1 GOTO HRCK8	
		3 IF ENTRY IN HRUSLT IS 0-34 HOURS GOTO HRCK4-C	
		4 IF ENTRY IN HRUSLT IS 35+ GOTO HROFF1	
		5 ALL OTHERS GOTO HRCK4-C	
		6 GOTO PUHRCK4	
PUHRCK4	2	CHECK ITEM 4	263 - 264
		<u>VALID ENTRIES</u>	
		1 IF ENTRY OF 1, D, R OR V IN HRFTPT THEN GOTO HRACT1	
		2 IF ENTRY OF 2, D OR R IN BUS2 THEN GOTO HROFF1	
		3 IF HRUSLT IS 0-34 THEN GOTO HRWANT	
		4 IF ENTRY OF 2 IN HRFTPT THEN GOTO HRWANT	
		5 ALL OTHERS GOTO HRACT1	
PUHRCK5	2	CHECK ITEM 5	265 - 266
		<u>VALID ENTRIES</u>	
		1 IF ENTRY OF 1 IN MJOT GOTO HRACT2	
		2 ALL OTHERS GOTO HRCK6-C	
PUHRCK6	2	CHECK ITEM 6	267 - 268
		<u>VALID ENTRIES</u>	
		1 IF HRACT1 AND HRACT2 EQ 0 AND ENTRY OF 2, D, R IN BUS2 THEN GOTO LK	
		2 IF HRACT1 AND HRACT2 EQ 0 THEN STORE 1 IN ABSOT AND GOTO ABSRSN	
		3 ALL OTHERS GOTO HRACTT-C	
PUHRCK7	2	CHECK ITEM 7	269 - 270

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

VALID ENTRIES

- 1 (IF ENTRY OF 2, D OR R IN BUS2) AND
(HRACT1 LESS THAN 15 OR D) GOTO HRCK8
- 2 (IF ENTRY OF 2, D OR R IN BUS2) AND
(HRACT1 IS 15+) GOTO HRCK8
- 3 (IF HRUSLT IS 35+ OR IF ENTRY OF 1 IN HRFTPT)
AND (HRACTT < 35) AND ENTRY IN HRACT1 OR HRACT2
ISN'T D OR R THEN GOTO HRRSN3
- 4 IF ENTRY OF 1 IN HRWANT AND HRACTT < 35
AND (ENTRY OF 1, 2, 3 IN HRRSN1) GOTO HRAVL
- 5 ALL OTHERS GOTO HRCK8

PUHRCK12	2	CHECK ITEM 12	271 - 272
----------	---	---------------	-----------

VALID ENTRIES

- 1 IF ENTRY OF 2, D OR R IN BUS2
AND HRACTT IS LESS THAN 15
OR D GOTO LK
- 2 ALL OTHERS GOTO IOCK1

PULAYDT	2	HAS YOUR EMPLOYER GIVEN YOU A DATE TO RETURN TO WORK?	273 - 274
---------	---	--	-----------

VALID ENTRIES

PULAY6M	2	HAVE YOU BEEN GIVEN ANY INDICATION THAT YOU WILL BE RECALLED TO WORK WITHIN THE NEXT 6 MONTHS?	275 - 276
---------	---	--	-----------

VALID ENTRIES

- 1 YES
- 2 NO

PELAYAVL	2	COULD YOU HAVE RETURNED TO WORK LAST WEEK IF YOU HAD BEEN RECALLED?	277 - 278
----------	---	--	-----------

EDITED UNIVERSE: PEMLR = 3

VALID ENTRIES

- 1 YES

NAME	SIZE	DESCRIPTION	LOCATION
		2 NO	
PULAYAVR	2	WHY IS THAT?	279 - 280
		<u>VALID ENTRIES</u>	
		1 OWN TEMPORARY ILLNESS	
		2 GOING TO SCHOOL	
		3 OTHER	
PELAYLK	2	EVEN THOUGH YOU ARE TO BE CALLED BACK TO WORK, HAVE YOU BEEN LOOKING FOR WORK DURING THE LAST 4 WEEKS.	281 - 282
		EDITED UNIVERSE: PELAYAVL= 1, 2	
		<u>VALID ENTRIES</u>	
		1 YES	
		2 NO	
PELAYDUR	3	DURATION OF LAYOFF	283 - 285
		EDITED UNIVERSE: PELAYLK = 1, 2	
		<u>VALID ENTRIES</u>	
		01-51 Weeks on layoff	
		52 52 weeks or more	
		Topcoded at 52 weeks starting April 2011	
PELAYFTO	2	FT/PT STATUS OF JOB FROM WHICH SAMPLE PERSON WAS ON LAYOFF FROM	286 - 287
		EDITED UNIVERSE: PELAYDUR = 0-120	
		<u>VALID ENTRIES</u>	
		1 YES	
		2 NO	
PULAYCK1	2	CHECK ITEM 1	288 - 289
		<u>VALID ENTRIES</u>	
		1 GOTO PULAYCK3	
		2 GOTO PULAYFT	
		3 GOTO PULAYDR	

NAME	SIZE	DESCRIPTION	LOCATION
PULAYCK2	2	CHECK ITEM 2 SCREEN FOR DEPENDENT LAYOFF <u>VALID ENTRIES</u> 1 GOTO PULAYDR3 2 GOTO PULAYFT	290 - 291
PULAYCK3	2	CHECK ITEM 3 FILTER FOR DEPENDENT I & O <u>VALID ENTRIES</u> 1 MISCK = 5 GOTO IO1INT 2 I-ICR = 1 OR I-OCR = 1, GOTO IO1INT 3 ALL OTHERS GOTO SCHCK	292 - 293
PULK	2	HAVE YOU BEEN DOING ANYTHING TO FIND WORK DURING THE LAST 4 WEEKS? <u>VALID ENTRIES</u> 1 YES 2 NO 3 RETIRED 4 DISABLED 5 UNABLE TO WORK	294 - 295
PELKM1	2	WHAT ARE ALL OF THE THINGS YOU HAVE DONE TO FIND WORK DURING THE LAST 4 WEEKS? (FIRST METHOD) EDITED UNIVERSE: PEMLR = 4 <u>VALID ENTRIES</u> 1 CONTACTED EMPLOYER DIRECTLY/INTERVIEW 2 CONTACTED PUBLIC EMPLOYMENT AGENCY 3 CONTACTED PRIVATE EMPLOYMENT AGENCY 4 CONTACTED FRIENDS OR RELATIVES 5 CONTACTED SCHOOL/UNIVERSITY EMPL CENTER 6 SENT OUT RESUMES/FILLED OUT APPLICATION 7 CHECKED UNION/PROFESSIONAL REGISTERS 8 PLACED OR ANSWERED ADS 9 OTHER ACTIVE	296 - 297

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

- 10 LOOKED AT ADS
- 11 ATTENDED JOB TRAINING PROGRAMS/COURSES
- 12 NOTHING
- 13 OTHER PASSIVE

PULKM2	2	ANYTHING ELSE? (SECOND METHOD)	298 - 299
--------	---	--------------------------------	-----------

VALID ENTRIES

- 1 CONTACTED EMPLOYER DIRECTLY/INTERVIEW
- 2 CONTACTED PUBLIC EMPLOYMENT AGENCY
- 3 CONTACTED PRIVATE EMPLOYMENT AGENCY
- 4 CONTACTED FRIENDS OR RELATIVES
- 5 CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
- 6 SENT OUT RESUMES/FILLED OUT APPLICATION
- 7 CHECKED UNION/PROFESSIONAL REGISTERS
- 8 PLACED OR ANSWERED ADS
- 9 OTHER ACTIVE
- 10 LOOKED AT ADS
- 11 ATTENDED JOB TRAINING PROGRAMS/COURSES
- 13 OTHER PASSIVE

PULKM3	2	SAME AS PULKM2 (THIRD METHOD)	300 - 301
--------	---	-------------------------------	-----------

VALID ENTRIES

- 1 CONTACTED EMPLOYER DIRECTLY/INTERVIEW
- 2 CONTACTED PUBLIC EMPLOYMENT AGENCY
- 3 CONTACTED PRIVATE EMPLOYMENT AGENCY
- 4 CONTACTED FRIENDS OR RELATIVES
- 5 CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
- 6 SENT OUT RESUMES/FILLED OUT APPLICATION
- 7 CHECKED UNION/PROFESSIONAL REGISTERS
- 8 PLACED OR ANSWERED ADS
- 9 OTHER ACTIVE
- 10 LOOKED AT ADS
- 11 ATTENDED JOB TRAINING PROGRAMS/COURSES
- 13 OTHER PASSIVE

PULKM4	2	SAME AS PULKM2 (FOURTH METHOD)	302 - 303
--------	---	--------------------------------	-----------

VALID ENTRIES

- 1 CONTACTED EMPLOYER DIRECTLY/INTERVIEW
- 2 CONTACTED PUBLIC EMPLOYMENT AGENCY
- 3 CONTACTED PRIVATE EMPLOYMENT AGENCY

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

- 4 CONTACTED FRIENDS OR RELATIVES
- 5 CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
- 6 SENT OUT RESUMES/FILLED OUT APPLICATION
- 7 CHECKED UNION/PROFESSIONAL REGISTERS

- 8 PLACED OR ANSWERED ADS
- 9 OTHER ACTIVE
- 10 LOOKED AT ADS
- 11 ATTENDED JOB TRAINING PROGRAMS/COURSES
- 13 OTHER PASSIVE

PULKM5	2	SAME AS PULKM2 (FIFTH METHOD)	304 - 305
--------	---	-------------------------------	-----------

VALID ENTRIES

- 1 CONTACTED EMPLOYER DIRECTLY/INTERVIEW
- 2 CONTACTED PUBLIC EMPLOYMENT AGENCY
- 3 CONTACTED PRIVATE EMPLOYMENT AGENCY
- 4 CONTACTED FRIENDS OR RELATIVES
- 5 CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
- 6 SENT OUT RESUMES/FILLED OUT APPLICATION
- 7 CHECKED UNION/PROFESSIONAL REGISTERS
- 8 PLACED OR ANSWERED ADS
- 9 OTHER ACTIVE
- 10 LOOKED AT ADS
- 11 ATTENDED JOB TRAINING PROGRAMS/COURSES
- 13 OTHER PASSIVE

PULKM6	2	SAME AS PULKM2 (SIXTH METHOD)	306 - 307
--------	---	-------------------------------	-----------

VALID ENTRIES

- 1 CONTACTED EMPLOYER DIRECTLY/INTERVIEW
- 2 CONTACTED PUBLIC EMPLOYMENT AGENCY
- 3 CONTACTED PRIVATE EMPLOYMENT AGENCY
- 4 CONTACTED FRIENDS OR RELATIVES
- 5 CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
- 6 SENT OUT RESUMES/FILLED OUT APPLICATION
- 7 CHECKED UNION/PROFESSIONAL REGISTERS
- 8 PLACED OR ANSWERED ADS
- 9 OTHER ACTIVE
- 10 LOOKED AT ADS
- 11 ATTENDED JOB TRAINING PROGRAMS/COURSES
- 13 OTHER PASSIVE

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

PULKDK1	2	YOU SAID YOU HAVE BEEN TRYING TO FIND WORK. HOW DID YOU GO ABOUT LOOKING? (FIRST METHOD)	308 - 309
---------	---	--	-----------

VALID ENTRIES

- 1 CONTACTED EMPLOYER DIRECTLY/INTERVIEW
- 2 CONTACTED PUBLIC EMPLOYMENT AGENCY
- 3 CONTACTED PRIVATE EMPLOYMENT AGENCY
- 4 CONTACTED FRIENDS OR RELATIVES
- 5 CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
- 6 SENT OUT RESUMES/FILLED OUT APPLICATION
- 7 CHECKED UNION/PROFESSIONAL REGISTERS
- 8 PLACED OR ANSWERED ADS
- 9 OTHER ACTIVE
- 10 LOOKED AT ADS
- 11 ATTENDED JOB TRAINING PROGRAMS/COURSES
- 12 NOTHING
- 13 OTHER PASSIVE

PULKDK2	2	ANYTHING ELSE? (SECOND METHOD)	310 - 311
---------	---	--------------------------------	-----------

VALID ENTRIES

- 1 CONTACTED EMPLOYER DIRECTLY/INTERVIEW
- 2 CONTACTED PUBLIC EMPLOYMENT AGENCY
- 3 CONTACTED PRIVATE EMPLOYMENT AGENCY
- 4 CONTACTED FRIENDS OR RELATIVES
- 5 CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
- 6 SENT OUT RESUMES/FILLED OUT APPLICATION
- 7 CHECKED UNION/PROFESSIONAL REGISTERS
- 8 PLACED OR ANSWERED ADS
- 9 OTHER ACTIVE
- 10 LOOKED AT ADS
- 11 ATTENDED JOB TRAINING PROGRAMS/COURSES
- 13 OTHER PASSIVE

PULKDK3	2	SAME AS PULKDK2 (THIRD METHOD)	312 - 313
---------	---	--------------------------------	-----------

VALID ENTRIES

- 1 CONTACTED EMPLOYER DIRECTLY/INTERVIEW
- 2 CONTACTED PUBLIC EMPLOYMENT AGENCY
- 3 CONTACTED PRIVATE EMPLOYMENT AGENCY

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

- 4 CONTACTED FRIENDS OR RELATIVES
- 5 CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
- 6 SENT OUT RESUMES/FILLED OUT APPLICATION
- 7 CHECKED UNION/PROFESSIONAL REGISTERS

- 8 PLACED OR ANSWERED ADS
- 9 OTHER ACTIVE
- 10 LOOKED AT ADS
- 11 ATTENDED JOB TRAINING PROGRAMS/COURSES
- 13 OTHER PASSIVE

PULKDK4	2	SAME AS PULKDK2 (FOURTH METHOD)	314 - 315
---------	---	---------------------------------	-----------

VALID ENTRIES

- 1 CONTACTED EMPLOYER DIRECTLY/INTERVIEW
- 2 CONTACTED PUBLIC EMPLOYMENT AGENCY
- 3 CONTACTED PRIVATE EMPLOYMENT AGENCY
- 4 CONTACTED FRIENDS OR RELATIVES
- 5 CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
- 6 SENT OUT RESUMES/FILLED OUT APPLICATION
- 7 CHECKED UNION/PROFESSIONAL REGISTERS
- 8 PLACED OR ANSWERED ADS
- 9 OTHER ACTIVE
- 10 LOOKED AT ADS
- 11 ATTENDED JOB TRAINING PROGRAMS/COURSES
- 13 OTHER PASSIVE

PULKDK5	2	SAME AS PULKDK2 (FIFTH METHOD)	316 - 317
---------	---	--------------------------------	-----------

VALID ENTRIES

- 1 CONTACTED EMPLOYER DIRECTLY/INTERVIEW
- 2 CONTACTED PUBLIC EMPLOYMENT AGENCY
- 3 CONTACTED PRIVATE EMPLOYMENT AGENCY
- 4 CONTACTED FRIENDS OR RELATIVES
- 5 CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
- 6 SENT OUT RESUMES/FILLED OUT APPLICATION
- 7 CHECKED UNION/PROFESSIONAL REGISTERS
- 8 PLACED OR ANSWERED ADS
- 9 OTHER ACTIVE
- 10 LOOKED AT ADS
- 11 ATTENDED JOB TRAINING PROGRAMS/COURSES
- 13 OTHER PASSIVE

NAME	SIZE	DESCRIPTION	LOCATION
PULKDK6	2	SAME AS PULKDK2 (SIXTH METHOD)	318 – 319

VALID ENTRIES

- 1 CONTACTED EMPLOYER DIRECTLY/INTERVIEW
- 2 CONTACTED PUBLIC EMPLOYMENT AGENCY
- 3 CONTACTED PRIVATE EMPLOYMENT AGENCY
- 4 CONTACTED FRIENDS OR RELATIVES
- 5 CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
- 6 SENT OUT RESUMES/FILLED OUT APPLICATION
- 7 CHECKED UNION/PROFESSIONAL REGISTERS
- 8 PLACED OR ANSWERED ADS
- 9 OTHER ACTIVE
- 10 LOOKED AT ADS
- 11 ATTENDED JOB TRAINING PROGRAMS/COURSES
- 13 OTHER PASSIVE

PULKPS1	2	CAN YOU TELL ME MORE ABOUT WHAT YOU DID TO SEARCH FOR WORK? (FIRST METHOD)	320 - 321
---------	---	--	-----------

VALID ENTRIES

- 1 CONTACTED EMPLOYER DIRECTLY/INTERVIEW
- 2 CONTACTED PUBLIC EMPLOYMENT AGENCY
- 3 CONTACTED PRIVATE EMPLOYMENT AGENCY
- 4 CONTACTED FRIENDS OR RELATIVES
- 5 CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
- 6 SENT OUT RESUMES/FILLED OUT APPLICATION
- 7 CHECKED UNION/PROFESSIONAL REGISTERS
- 8 PLACED OR ANSWERED ADS
- 9 OTHER ACTIVE
- 10 LOOKED AT ADS
- 11 ATTENDED JOB TRAINING PROGRAMS/COURSES
- 12 NOTHING
- 13 OTHER PASSIVE

PULKPS2	2	ANYTHING ELSE? (SECOND METHOD)	322 - 323
---------	---	--------------------------------	-----------

VALID ENTRIES

- 1 CONTACTED EMPLOYER DIRECTLY/INTERVIEW
- 2 CONTACTED PUBLIC EMPLOYMENT AGENCY
- 3 CONTACTED PRIVATE EMPLOYMENT AGENCY
- 4 CONTACTED FRIENDS OR RELATIVES
- 5 CONTACTED SCHOOL/UNIVERSITY EMPL CENTER

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

- | | |
|----|---|
| 6 | SENT OUT RESUMES/FILLED OUT APPLICATION |
| 7 | CHECKED UNION/PROFESSIONAL REGISTERS |
| 8 | PLACED OR ANSWERED ADS |
| 9 | OTHER ACTIVE |
| 10 | LOOKED AT ADS |
| 11 | ATTENDED JOB TRAINING PROGRAMS/COURSES |
| 13 | OTHER PASSIVE |

PULKPS3	2	SAME AS PULKPS2 (THIRD METHOD)	324 - 325
---------	---	--------------------------------	-----------

VALID ENTRIES

- | | |
|----|---|
| 1 | CONTACTED EMPLOYER DIRECTLY/INTERVIEW |
| 2 | CONTACTED PUBLIC EMPLOYMENT AGENCY |
| 3 | CONTACTED PRIVATE EMPLOYMENT AGENCY |
| 4 | CONTACTED FRIENDS OR RELATIVES |
| 5 | CONTACTED SCHOOL/UNIVERSITY EMPL CENTER |
| 6 | SENT OUT RESUMES/FILLED OUT APPLICATION |
| 7 | CHECKED UNION/PROFESSIONAL REGISTERS |
| 8 | PLACED OR ANSWERED ADS |
| 9 | OTHER ACTIVE |
| 10 | LOOKED AT ADS |
| 11 | ATTENDED JOB TRAINING PROGRAMS/COURSES |
| 13 | OTHER PASSIVE |

PULKPS4	2	SAME AS PULKPS2 (FOURTH METHOD)	326 - 327
---------	---	---------------------------------	-----------

VALID ENTRIES

- | | |
|----|---|
| 1 | CONTACTED EMPLOYER DIRECTLY/INTERVIEW |
| 2 | CONTACTED PUBLIC EMPLOYMENT AGENCY |
| 3 | CONTACTED PRIVATE EMPLOYMENT AGENCY |
| 4 | CONTACTED FRIENDS OR RELATIVES |
| 5 | CONTACTED SCHOOL/UNIVERSITY EMPL CENTER |
| 6 | SENT OUT RESUMES/FILLED OUT APPLICATION |
| 7 | CHECKED UNION/PROFESSIONAL REGISTERS |
| 8 | PLACED OR ANSWERED ADS |
| 9 | OTHER ACTIVE |
| 10 | LOOKED AT ADS |
| 11 | ATTENDED JOB TRAINING PROGRAMS/COURSES |
| 13 | OTHER PASSIVE |

PULKPS5	2	SAME AS PULKPS2 (FIFTH METHOD)	328 - 329
---------	---	--------------------------------	-----------

VALID ENTRIES

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

- 1 CONTACTED EMPLOYER DIRECTLY/INTERVIEW
- 2 CONTACTED PUBLIC EMPLOYMENT AGENCY
- 3 CONTACTED PRIVATE EMPLOYMENT AGENCY
- 4 CONTACTED FRIENDS OR RELATIVES
- 5 CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
- 6 SENT OUT RESUMES/FILLED OUT APPLICATION
- 7 CHECKED UNION/PROFESSIONAL REGISTERS
- 8 PLACED OR ANSWERED ADS
- 9 OTHER ACTIVE
- 10 LOOKED AT ADS
- 11 ATTENDED JOB TRAINING PROGRAMS/COURSES
- 13 OTHER PASSIVE

PULKPS6	2	SAME AS PULKPS2 (SIXTH METHOD)	330 - 331
---------	---	--------------------------------	-----------

VALID ENTRIES

- 1 CONTACTED EMPLOYER DIRECTLY/INTERVIEW
- 2 CONTACTED PUBLIC EMPLOYMENT AGENCY
- 3 CONTACTED PRIVATE EMPLOYMENT AGENCY
- 4 CONTACTED FRIENDS OR RELATIVES
- 5 CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
- 6 SENT OUT RESUMES/FILLED OUT APPLICATION
- 7 CHECKED UNION/PROFESSIONAL REGISTERS
- 8 PLACED OR ANSWERED ADS
- 9 OTHER ACTIVE
- 10 LOOKED AT ADS
- 11 ATTENDED JOB TRAINING PROGRAMS/COURSES
- 13 OTHER PASSIVE

PELKAVL	2	LAST WEEK, COULD YOU HAVE STARTED A JOB IF ONE HAD BEEN OFFERED?	332 - 333
---------	---	---	-----------

EDITED UNIVERSE: PELKM1 = 1 - 13

VALID ENTRIES

- 1 YES
- 2 NO

PULKAVR	2	WHY IS THAT?	334 - 335
---------	---	--------------	-----------

VALID ENTRIES

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

- 1 WAITING FOR NEW JOB TO BEGIN
- 2 OWN TEMPORARY ILLNESS
- 3 GOING TO SCHOOL
- 4 OTHER - SPECIFY

PELKLL1O	2	BEFORE YOU STARTED LOOKING FOR WORK,336 - 337 WHAT WERE YOU DOING: WORKING, GOING TO SCHOOL, OR SOMETHING ELSE?	
----------	---	---	--

EDITED UNIVERSE: PELKAVL = 1-2

VALID ENTRIES

- 1 WORKING
- 2 SCHOOL
- 3 LEFT MILITARY SERVICE
- 4 SOMETHING ELSE

PELKLL2O	2	DID YOU LOSE OR QUIT THAT JOB, OR WAS IT A TEMPORARY JOB THAT ENDED?	338 - 339
----------	---	---	-----------

EDITED UNIVERSE: PELKLL1O = 1 OR 3

VALID ENTRIES

- 1 LOST JOB
- 2 QUIT JOB
- 3 TEMPORARY JOB ENDED

PEKLWO	2	WHEN LAST WORKED	340 - 341
--------	---	------------------	-----------

EDITED UNIVERSE: PELKLL1O = 1 - 4

VALID ENTRIES

- 1 WITHIN THE LAST 12 MONTHS
- 2 MORE THAN 12 MONTHS AGO
- 3 NEVER WORKED

PELKDUR	3	DURATION OF JOB SEEKING	342 - 344
---------	---	-------------------------	-----------

EDITED UNIVERSE: PELKLWO = 1 - 3

VALID ENTRIES

NAME	SIZE	DESCRIPTION	LOCATION
		0-118 Weeks looking for work 119 119 or more weeks looking Topcoded at 119 weeks starting April 2011	
PELKFTO	2	FT/PT STATUS OF JOBSEEKER EDITED UNIVERSE: PELKDUR = 0-120 <u>VALID ENTRIES</u> 1 YES 2 NO 3 DOESN'T MATTER	345 - 346
PEDWWNT0	2	DO YOU CURRENTLY WANT A JOB, EITHER FULL OR PART TIME? EDITED UNIVERSE: PUDWCK1 = 3, 4, -1 <u>VALID ENTRIES</u> 1 YES, OR MAYBE, IT DEPENDS 2 NO 3 RETIRED 4 DISABLED 5 UNABLE	347 - 348
PEDWRSN	2	WHAT IS THE MAIN REASON YOU WERE NOT LOOKING FOR WORK DURING THE LAST 4 WEEKS? EDITED UNIVERSE: PUDWCK4 = 4, -1 <u>VALID ENTRIES</u> 1 BELIEVES NO WORK AVAILABLE IN AREA OF EXPERTISE 2 COULDN'T FIND ANY WORK 3 LACKS NECESSARY SCHOOLING/TRAINING 4 EMPLOYERS THINK TOO YOUNG OR TOO OLD 5 OTHER TYPES OF DISCRIMINATION 6 CAN'T ARRANGE CHILD CARE 7 FAMILY RESPONSIBILITIES 8 IN SCHOOL OR OTHER TRAINING 9 ILL-HEALTH, PHYSICAL DISABILITY	349 - 350

NAME	SIZE	DESCRIPTION	LOCATION
		10 TRANSPORTATION PROBLEMS 11 OTHER - SPECIFY	
PEDWLKO	2	DID YOU LOOK FOR WORK AT ANY TIME IN THE LAST 12 MONTHS	351 - 352
		EDITED UNIVERSE: (PUDWCK4 = 1-3) or (PEDWRSN = 1-11)	
		<u>VALID ENTRIES</u>	
		1 YES 2 NO	
PEDWWK	2	DID YOU ACTUALLY WORK AT A JOB OR BUSINESS DURING THE LAST 12 MONTHS?	353 - 354
		EDITED UNIVERSE: PEDWLKO = 1	
		<u>VALID ENTRIES</u>	
		1 YES 2 NO	
PEDW4WK	2	DID YOU DO ANY OF THIS WORK DURING THE LAST 4 WEEKS?	355 - 356
		EDITED UNIVERSE: PEDWWK = 1	
		<u>VALID ENTRIES</u>	
		1 YES 2 NO	
PEDWLKWK 2		SINCE YOU LEFT THAT JOB OR BUSINESS HAVE YOU LOOKED FOR WORK?	357 - 358
		EDITED UNIVERSE: PEDW4WK = 2	
		<u>VALID ENTRIES</u>	
		1 YES 2 NO	
PEDWAVL	2	LAST WEEK, COULD YOU HAVE STARTED A JOB IF ONE HAD BEEN OFFERED?	359 - 360

NAME	SIZE	DESCRIPTION	LOCATION
		EDITED UNIVERSE: (PEDWWK = 2) or (PEDWLKWK = 1)	
		<u>VALID ENTRIES</u>	
		1 YES	
		2 NO	
PEDWAVR	2	WHY IS THAT?	361 - 362
		EDITED UNIVERSE: PEDWAVL = 2	
		<u>VALID ENTRIES</u>	
		1 OWN TEMPORARY ILLNESS	
		2 GOING TO SCHOOL	
		3 OTHER	
PUDWCK1	2	SCREEN FOR DISCOURAGED WORKERS	363 - 364
		<u>VALID ENTRIES</u>	
		1 IF ENTRY OF 2 IN BUS2 GOTO PUSCHCK	
		2 IF ENTRY OF 3 ON ABSRSN GOTO PUNLFCK1	
		3 IF ENTRY OF 1 IN RET1, STORE 1 IN DWWNT0 AND GOTO PUDWCK4	
		4 ALL OTHERS GOTO PUDWWNT	
PUDWCK2	2	SCREEN FOR DISABLED	365 - 366
		<u>VALID ENTRIES</u>	
		1 IF ENTRY IN DIS1 OR DIS2 GOTO PUJHCK1-C	
		2 IF ENTRY OF 4 IN DWWNT GOTO PUDIS1	
		3 IF ENTRY OF 5 IN DWWNT GOTO PUDIS2	
		4 ALL OTHERS GOTO PUDWCK4	
PUDWCK3	2	FILTER FOR RETIRED	367 - 368
		<u>VALID ENTRIES</u>	
		1 IF AGERNG EQUALS 1-4 OR 9 GOTO PUDWCK4	
		2 ALL OTHERS GOTO PUNLFCK2	
PUDWCK4	2	FILTER FOR PASSIVE JOB SEEKERS	369 - 370

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

VALID ENTRIES

- 1 IF ENTRY OF 10 AND/OR 11 AND/OR 13
ONLY IN LKM1-LKM3 GOTO PUDWCK5
- 2 IF ENTRY OF 10 AND/OR 11 AND/OR 13
ONLY IN LKDK1-LKDK3 GOTO PUDWCK5
- 3 IF ENTRY OF 10 AND/OR 11 AND/OR 13
ONLY IN LKPS1-LKPS3 GOTO PUDWCK5
- 4 ALL OTHERS GOTO PUDWRSN

PUDWCK5	2	FILTER FOR PASSIVE JOB SEEKERS	371 - 372
---------	---	--------------------------------	-----------

VALID ENTRIES

- 1 IF ENTRY OF 1 IN LK THEN STORE 1
IN DWLKO AND GOTO PUDWWK
- 2 ALL OTHERS GOTO PUDWLK

PEJHWKO	2	HAVE YOU WORKED AT A JOB OR BUSINESS AT ANY TIME DURING THE PAST 12 MONTHS?	373 - 374
---------	---	--	-----------

EDITED UNIVERSE: HRMIS = 4 or 8 AND PEMLR = 5, 6, AND 7

VALID ENTRIES

- 1 YES
- 2 NO

PUJHDP1O	2	DID YOU DO ANY OF THIS WORK IN THE LAST 4 WEEKS?	375 - 376
----------	---	---	-----------

VALID ENTRIES

- 1 YES
- 2 NO

PEJHRSN	2	WHAT IS THE MAIN REASON YOU LEFT YOUR LAST JOB?	377 - 378
---------	---	--	-----------

EDITED UNIVERSE: PEJHWKO = 1

VALID ENTRIES

- 1 PERSONAL/FAMILY (INCLUDING PREGNANCY)
- 2 RETURN TO SCHOOL
- 3 HEALTH

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

- 4 RETIREMENT OR OLD AGE
- 5 TEMP, SEASONAL OR INTERMITTENT JOB COMPLETE
- 6 SLACK WORK/BUSINESS CONDITIONS
- 7 UNSATISFACTORY WORK ARRANGEMENTS (HRS, PAY, ETC.)
- 8 OTHER - SPECIFY

PEJHWANT	2	DO YOU INTEND TO LOOK FOR WORK DURING THE NEXT 12 MONTHS?	379 - 380
----------	---	---	-----------

EDITED UNIVERSE: (PEJHWKO = 2) or (PEJHRSN = 1-8)

VALID ENTRIES

- 1 YES, OR IT DEPENDS
- 2 NO

PUJHCK1	2	FILTER FOR OUTGOING ROTATIONS	381 - 382
---------	---	-------------------------------	-----------

VALID ENTRIES

- 1 PURET1 = 1, -2, OR -3
THEN GOTO NLFCK2
- 2 IF MISCK EQUALS 4 OR 8
THEN GOTO PUJHCK2
- 3 ALL OTHERS GOTO PUNLFCK1

PUJHCK2	2	FILTER FOR PERSONS GOING THROUGH THE I AND O SERIES	383 - 384
---------	---	---	-----------

VALID ENTRIES

- 1 IF ENTRY OF 1 IN DWWK AND I-MLR= 3, 4
THEN STORE 1 IN JHWKO, STORE
DW4WK IN JHDP1O AND GOTO PUJHRSN
- 2 IF ENTRY OF 2, D OR R IN DWWK THEN STORE DWWK IN
JHWKO AND GOTO PUJHWANT
- 3 ALL OTHERS GOTO PUJHWK

PRABSREA	2	REASON NOT AT WORK AND PAY STATUS	385 - 386
----------	---	-----------------------------------	-----------

EDITED UNIVERSE: PEMLR = 2

VALID ENTRIES

- 1 FT PAID-VACATION

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

2	FT PAID-OWN ILLNESS
3	FT PAID-CHILD CARE PROBLEMS
4	FT PAID-OTHER FAMILY/PERSONAL OBLIG.
5	FT PAID-MATERNITY/PATERNITY LEAVE
6	FT PAID-LABOR DISPUTE
7	FT PAID-WEATHER AFFECTED JOB
8	FT PAID-SCHOOL/TRAINING
9	FT PAID-CIVIC/MILITARY DUTY
10	FT PAID-OTHER
11	FT UNPAID-VACATION
12	FT UNPAID-OWN ILLNESS
13	FT UNPAID-CHILD CARE PROBLEMS
14	FT UNPAID-OTHER FAM/PERSONAL OBLIGATION
15	FT UNPAID-MATERNITY/PATERNITY LEAVE
16	FT UNPAID-LABOR DISPUTE
17	FT UNPAID-WEATHER AFFECTED JOB
18	FT UNPAID-SCHOOL/TRAINING
19	FT UNPAID-CIVIC/MILITARY DUTY
20	FT UNPAID-OTHER
21	PT PAID-VACATION
22	PT PAID-OWN ILLNESS
23	PT PAID-CHILD CARE PROBLEMS
24	PT PAID-OTHER FAMILY/PERSONAL OBLIG.
25	PT PAID-MATERNITY/PATERNITY LEAVE
26	PT PAID-LABOR DISPUTE
27	PT PAID-WEATHER AFFECTED JOB
28	PT PAID-SCHOOL/TRAINING
29	PT PAID-CIVIC/MILITARY DUTY
30	PT PAID-OTHER
31	PT UNPAID-VACATION
32	PT UNPAID-OWN ILLNESS
33	PT UNPAID-CHILD CARE PROBLEMS
34	PT UNPAID-OTHER FAM/PERSONAL OBLIGATION
35	PT UNPAID-MATERNITY/PATERNITY LEAVE
36	PT UNPAID-LABOR DISPUTE
37	PT UNPAID-WEATHER AFFECTED JOB
38	PT UNPAID-SCHOOL/TRAINING
39	PT UNPAID-CIVIC/MILITARY DUTY
40	PT UNPAID-OTHER

PRCIVLF	2	CIVILIAN LABOR FORCE	387 - 388
---------	---	----------------------	-----------

EDITED UNIVERSE: PEMLR = 1-7

VALID ENTRIES

NAME	SIZE	DESCRIPTION	LOCATION
		01 IN CIVILIAN LABOR FORCE 02 NOT IN CIVILIAN LABOR FORCE	
PRDISC	2	DISCOURAGED WORKER RECODE	389 - 390
		EDITED UNIVERSE: PRJOBSEA = 1-4	
		<u>VALID ENTRIES</u>	
		1 DISCOURAGED WORKER 2 CONDITIONALLY INTERESTED 3 NOT AVAILABLE	
PREMPHRS	2	REASON NOT AT WORK OR HOURS AT WORK	391 - 392
		EDITED UNIVERSE: PEMLR = 1-7	
		<u>VALID ENTRIES</u>	
		0 UNEMPLOYED AND NILF 1 W/JOB, NOT AT WORK-ILLNES 2 W/JOB, NOT AT WORK-VACATION 3 W/JOB, NOT AT WORK-WEATHER AFFECTED JOB 4 W/JOB, NOT AT WORK-LABOR DISPUTE 5 W/JOB, NOT AT WORK-CHILD CARE PROBLEMS 6 W/JOB, NOT AT WORK-FAM/PERS OBLIGATION 7 W/JOB, NOT AT WORK-MATERNITY/PATERNITY 8 W/JOB, NOT AT WORK-SCHOOL/TRAINING 9 W/JOB, NOT AT WORK-CIVIC/MILITARY DUTY 10 W/JOB, NOT AT WORK-DOES NOT WORK IN BUS 11 W/JOB, NOT AT WORK-OTHER 12 AT WORK- 1-4 HRS 13 AT WORK- 5-14 HRS 14 AT WORK- 15-21 HRS 15 AT WORK- 22-29 HRS 16 AT WORK- 30-34 HRS 17 AT WORK- 35-39 HRS 18 AT WORK- 40 HRS 19 AT WORK- 41-47 HRS 20 AT WORK- 48 HRS 21 AT WORK- 49-59 HRS 22 AT WORK- 60 HRS OR MORE	
PREMPNOT	2	MLR - EMPLOYED, UNEMPLOYED, OR NILF	393 - 394

NAME	SIZE	DESCRIPTION	LOCATION
		EDITED UNIVERSE: PEMLR = 1-7	
		<u>VALID ENTRIES</u>	
		1 EMPLOYED	
		2 UNEMPLOYED	
		3 NOT IN LABOR FORCE (NILF)-discouraged	
		4 NOT IN LABOR FORCE (NILF)-other	
PREXPLF	2	EXPERIENCED LABOR FORCE EMPLOYMENT	395 - 396
		EDITED UNIVERSE: PEMLR = 1-4 AND PELKLWO ne 3	
		<u>VALID ENTRIES</u>	
		1 EMPLOYED	
		2 UNEMPLOYED	
PRFTLF	2	FULL TIME LABOR FORCE	397 - 398
		EDITED UNIVERSE: PEMLR = 1-4	
		<u>VALID ENTRIES</u>	
		1 FULL TIME LABOR FORCE	
		2 PART TIME LABOR FORCE	
PRHRUSL	2	USUAL HOURS WORKED WEEKLY	399 - 400
		EDITED UNIVERSE: PEMLR = 1-2	
		<u>VALID ENTRIES</u>	
		1 0-20 HRS	
		2 21-34 HRS	
		3 35-39 HRS	
		4 40 HRS	
		5 41-49 HRS	
		6 50 OR MORE HRS	
		7 VARIES-FULL TIME	
		8 VARIES-PART TIME	
PRJOBSEA	2	JOB SEARCH RECODE	401 - 402
		EDITED UNIVERSE: PRWNTJOB = 1 6-50	

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

VALID ENTRIES

- 1 LOOKED LAST 12 MONTHS, SINCE COMPLETING PREVIOUS JOB
- 2 LOOKED AND WORKED IN THE LAST 4 WEEKS
- 3 LOOKED LAST 4 WEEKS - LAYOFF
- 4 UNAVAILABLE JOB SEEKERS
- 5 NO RECENT JOB SEARCH

PRPTHRS	2	AT WORK 1-34 BY HOURS AT WORK	403 - 404
---------	---	-------------------------------	-----------

EDITED UNIVERSE: PEMLR = 1 AND
PEHRACTT = 1-34

VALID ENTRIES

- 0 USUALLY FT, PT FOR NONECONOMIC REASONS
- 1 USUALLY.FT, PT ECON REASONS; 1-4 HRS
- 2 USUALLY.FT, PT ECON REASONS; 5-14 HRS
- 3 USUALLY.FT, PT ECON REASONS; 15-29 HRS
- 4 USUALLY.FT, PT ECON REASONS; 30-34 HRS
- 5 USUALLY.PT, ECON REASONS; 1-4 HRS
- 6 USUALLY.PT, ECON REASONS; 5-14 HRS
- 7 USUALLY.PT, ECON REASONS; 15-29 HRS
- 8 USUALLY.PT, ECON REASONS; 30-34 HRS
- 9 USUALLY.PT, NON-ECON REASONS; 1-4 HRS
- 10 USUALLY.PT, NON-ECON REASONS; 5-14 HRS
- 11 USUALLY.PT, NON-ECON REASONS; 15-29 HRS
- 12 USUALLY.PT, NON-ECON REASONS; 30-34 HRS

PRPTREA	2	DETAILED REASON FOR PART-TIME	405 - 406
---------	---	-------------------------------	-----------

EDITED UNIVERSE: PEMLR = 1 AND
(PEHRUSLT = 0-34 OR PEHRACTT = 1-34)

VALID ENTRIES

- 1 USU. FT-SLACK WORK/BUSINESS CONDITIONS
- 2 USU. FT-SEASONAL WORK
- 3 USU. FT-JOB STARTED/ENDED DURING WEEK
- 4 USU. FT-VACATION/PERSONAL DAY
- 5 USU. FT-OWN ILLNESS/INJURY/MEDICAL APPOINTMENT
- 6 USU. FT-HOLIDAY (RELIGIOUS OR LEGAL)
- 7 USU. FT-CHILD CARE PROBLEMS
- 8 USU. FT-OTHER FAM/PERS OBLIGATIONS
- 9 USU. FT-LABOR DISPUTE
- 10 USU. FT-WEATHER AFFECTED JOB

NAME	SIZE	DESCRIPTION	LOCATION
		11 USU. FT-SCHOOL/TRAINING 12 USU. FT-CIVIC/MILITARY DUTY 13 USU. FT-OTHER REASON 14 USU. PT-SLACK WORK/BUSINESS CONDITIONS 15 USU. PT-COULD ONLY FIND PT WORK 16 USU. PT-SEASONAL WORK 17 USU. PT-CHILD CARE PROBLEMS 18 USU. PT-OTHER FAM/PERS OBLIGATIONS 19 USU. PT-HEALTH/MEDICAL LIMITATIONS 20 USU. PT-SCHOOL/TRAINING 21 USU. PT-RETIRED/S.S. LIMIT ON EARNINGS 22 USU. PT-WORKWEEK <35 HOURS 23 USU. PT-OTHER REASON	
PRUNEDUR	3	DURATION OF UNEMPLOYMENT FOR LAYOFF AND LOOKING RECORDS EDITED UNIVERSE: PEMLR = 3-4 <u>VALID ENTRIES</u> 0 MIN VALUE 119 MAX VALUE Topcoded consistent with PELAYDUR or PELKDUR, as appropriate, starting April 2011.	407 - 409
FILLER	2		410 - 411
PRUNTYPE	2	REASON FOR UNEMPLOYMENT EDITED UNIVERSE: PEMLR = 3-4 <u>VALID ENTRIES</u> 1 JOB LOSER/ON LAYOFF 2 OTHER JOB LOSER 3 TEMPORARY JOB ENDED 4 JOB LEAVER 5 RE-ENTRANT 6 NEW-ENTRANT	412 - 413
PRWKSCH	2	LABOR FORCE BY TIME WORKED OR LOST	414 - 415

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

EDITED UNIVERSE: PEMLR = 1 - 7

VALID ENTRIES

- 0 NOT IN LABOR FORCE
- 1 AT WORK
- 2 WITH JOB, NOT AT WORK
- 3 UNEMPLOYED, SEEKS FT
- 4 UNEMPLOYED, SEEKS PT

PRWKSTAT	2	FULL/PART-TIME WORK STATUS	416 - 417
----------	---	----------------------------	-----------

EDITED UNIVERSE: PEMLR = 1-7

VALID ENTRIES

- 1 NOT IN LABOR FORCE
- 2 FT HOURS (35+), USUALLY FT
- 3 PT FOR ECONOMIC REASONS, USUALLY FT
- 4 PT FOR NON-ECONOMIC REASONS, USUALLY FT
- 5 NOT AT WORK, USUALLY FT
- 6 PT HRS, USUALLY PT FOR ECONOMIC REASONS
- 7 PT HRS, USUALLY PT FOR NON-ECONOMIC REASONS
- 8 FT HOURS, USUALLY PT FOR ECONOMIC REASONS
- 9 FT HOURS, USUALLY PT FOR NON-ECONOMIC
- 10 NOT AT WORK, USUALLY PART-TIME
- 11 UNEMPLOYED FT
- 12 UNEMPLOYED PT

PRWNTJOB	2	NILF RECODE - WANT A JOB OR OTHER NILF	418 - 419
----------	---	--	-----------

EDITED UNIVERSE: PEMLR = 5-7

VALID ENTRIES

- 1 WANT A JOB
- 2 OTHER NOT IN LABOR FORCE

PUJHCK3	2	JOB HISTORY CHECK ITEM	420 - 421
---------	---	------------------------	-----------

VALID ENTRIES

- 1 IF I-MLR EQ 3 OR 4 THEN GOTO PUJHDP1
- 2 ALL OTHERS GOTO PUJHRSN

NAME	SIZE	DESCRIPTION	LOCATION
PUJHCK4	2	SCREEN FOR DEPENDENT NILF	422 - 423
		<u>VALID ENTRIES</u>	
		1 IF ENTRY OF 2, D OR R IN PUDW4WK OR IN PUJHDP10 THEN GOTO PUJHCK5	
		2 IF ENTRY OF 1 IN PUDW4WK OR IN PUJHDP10 THEN GOTO PUIO1INT	
		3 IF I-MLR EQUALS 1 OR 2 AND ENTRY IN PUJHRSN THEN GOTO PUJHCK5	
		4 IF ENTRY IN PUJHRSN THEN GOTO PUIO1INT	
		5 ALL OTHERS GOTO PUNLFCK1	
PUJHCK5	2	SCREEN FOR DEPENDENT NILF	424 - 425
		<u>VALID ENTRIES</u>	
		1 IF I-IO1ICR EQUALS 1 OR I-IO1OCR EQUALS 1 THEN GOTO PUIO1INT	
		2 ALL OTHERS GOTO PUIOCK5	
PUIODP1	2	LAST MONTH, IT WAS REPORTED THAT YOU WORKED FOR (EMPLOYER'S NAME). DO STILL WORK FOR (EMPLOYER'S NAME) (AT YOUR MAIN JOB)?	426 - 427
		<u>VALID ENTRIES</u>	
		1 YES	
		2 NO	
PUIODP2	2	HAVE THE USUAL ACTIVITIES AND DUTIES OF YOUR JOB CHANGED SINCE LAST MONTH?	428 - 429
		<u>VALID ENTRIES</u>	
		1 YES	
		2 NO	
PUIODP3	2	LAST MONTH YOU WERE REPORTED AS (A/AN) (OCCUPATION) AND YOUR USUAL ACTIVITIES WERE (DESCRIPTION). IS THIS AN ACCURATE DESCRIPTION OF YOUR CURRENT JOB?	430 - 431

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

VALID ENTRIES

- 1 YES
- 2 NO

PEIO1COW	2	INDIVIDUAL CLASS OF WORKER CODE ON FIRST JOB	432 - 433
----------	---	---	-----------

NOTE: A PEIO1COW CODE CAN BE ASSIGNED
EVEN IF AN INDIVIDUAL IS NOT CURRENTLY
EMPLOYED.

EDITED UNIVERSE: (PEMLR = 1-3) OR
(PEMLR = 4 AND PELKLWO = 1-2) OR
(PEMLR = 5 AND (PENLFJH = 1 OR PEJHWKO = 1))
OR (PEMLR = 6 AND PENLFJH = 1) OR
(PEMLR = 7 AND (PENLFJH = 1 OR PEJHWKO = 1))

VALID ENTRIES

- 1 GOVERNMENT - FEDERAL
- 2 GOVERNMENT - STATE
- 3 GOVERNMENT - LOCAL
- 4 PRIVATE, FOR PROFIT
- 5 PRIVATE, NONPROFIT
- 6 SELF-EMPLOYED, INCORPORATED
- 7 SELF-EMPLOYED, UNINCORPORATED
- 8 WITHOUT PAY

PUIO1MFG	2	IS THIS BUSINESS OR ORGANIZATION MAINLY MANUFACTURING, RETAIL TRADE, WHOLESALE TRADE, OR SOMETHING ELSE?	434 - 435
----------	---	--	-----------

VALID ENTRIES

- 1 MANUFACTURING
- 2 RETAIL TRADE
- 3 WHOLESALE TRADE
- 4 SOMETHING ELSE

PADDING	6	Main Job I & O Codes moved to columns 856 - 863	436 - 441
---------	---	---	-----------

PEIO2COW	2	INDIVIDUAL CLASS OF WORKER ON SECOND JOB.	442 - 443
----------	---	--	-----------

NOTE: FOR THOSE SELF-EMPLOYED UNINCORPORATED
ON THEIR FIRST JOB, THIS SHOULD HAVE A RESPONSE

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

EVERY MONTH. FOR ALL OTHERS, THIS SHOULD ONLY
HAVE A VALUE IN OUT-GOING ROTATIONS.

EDITED UNIVERSE: PRIOELG = 1 and PEMJOT = 1 AND HRMIS = 4,8

VALID ENTRIES

- 1 GOVERNMENT - FEDERAL
- 2 GOVERNMENT - STATE
- 3 GOVERNMENT - LOCAL
- 4 PRIVATE, FOR PROFIT
- 5 PRIVATE, NONPROFIT
- 6 SELF-EMPLOYED, INCORPORATED
- 7 SELF-EMPLOYED, UNINCORPORATED
- 8 WITHOUT PAY

PUIO2MFG	2	IS THIS BUSINESS OR ORGANIZATION MAINLY MANUFACTURING, RETAIL TRADE, WHOLESALE TRADE, OR SOMETHING ELSE?	444 - 445
----------	---	--	-----------

VALID ENTRIES

- 1 MANUFACTURING
- 2 RETAIL TRADE
- 3 WHOLESALE TRADE
- 4 SOMETHING ELSE

PADDING	6	Second Job I & O codes moved to columns 864 - 871	446 - 451
---------	---	---	-----------

PUIOCK1	2	I & O CHECK ITEM 1 SCREEN FOR DEPENDENT I AND O	452 - 453
---------	---	--	-----------

VALID ENTRIES

- 1 IF {MISCK EQ 1 OR 5)
 OR MISCK EQ 2-4, 6-8 AND I-MLR EQ 3-7)
 AND ENTRY OF 1 IN ABS} THEN GOTO PUIO1INT
- 2 IF (MISCK EQ 1 OR 5)
 OR {(MISCK EQ 2-4, 6-8 AND I-MLR EQ 3-7)
 AND (ENTRY OF 1 IN WK OR HRCK7-C IS BLANK, 1-3))
 GOTO PUIO1INT
- 3 IF I-IO1NAM IS D, R OR BLANK THEN GOTO PUIO1INT
- 4 ALL OTHERS GOTO PUIODP1

PUIOCK2	2	I & O CHECK ITEM 2	454 - 455
---------	---	--------------------	-----------

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

SCREEN FOR PREVIOUS MONTHS I AND O CASES

VALID ENTRIES

- 1 IF I-IO1ICR EQ 1 THEN GOTO PUIO1IND
- 2 IF I-IO1OCR EQ 1 THEN GOTO PUIO1OCC
- 3 ALL OTHERS GOTO PUIODP2

PUIOCK3	2	I & O CHECK ITEM 3	456 - 457
---------	---	--------------------	-----------

VALID ENTRIES

- 1 IF I-IO1OCC EQUALS D, R OR BLANK THEN GOTO PUIO1OCC
- 2 IF I-IO1DT1 IS D, R OR BLANK THEN GOTO PUIO1OCC
- 3 ALL OTHERS GOTO PUIODP3

PRIOELG	2	INDUSTRY AND OCCUPATION ELIGIBILITY FLAG	458 - 459
---------	---	---	-----------

EDITED UNIVERSE: PEMLR = 1-3,
OR (PEMLR = 4 AND PELKLWO = 1 OR 2)
OR (PEMLR = 5 AND
(PEJHWKO = 1 OR PENLFJH=1),
OR (PEMLR = 6 AND PENLFJH = 1),
OR PEMLR = 7 AND PEJHWKO = 1)

VALID ENTRIES

- 0 NOT ELIGIBLE FOR EDIT
- 1 ELIGIBLE FOR EDIT

PRAGNA	2	AGRICULTURE/ NON-AGRICULTURE INDUSTRY	460 - 461
--------	---	--	-----------

EDITED UNIVERSE: PRIOELG = 1

VALID ENTRIES

- 1 AGRICULTURAL
- 2 NON-AGRICULTURAL

PRCOW1	2	CLASS OF WORKER RECODE - JOB 1	462 - 463
--------	---	-----------------------------------	-----------

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

EDITED UNIVERSE: PRIOELG = 1

VALID ENTRIES

- 1 FEDERAL GOVT
- 2 STATE GOVT
- 3 LOCAL GOVT
- 4 PRIVATE (INCL. SELF-EMPLOYED INCORP.)
- 5 SELF-EMPLOYED, UNINCORP.
- 6 WITHOUT PAY

PRCOW2	2	CLASS OF WORKER RECODE - JOB 2	464 - 465
--------	---	-----------------------------------	-----------

EDITED UNIVERSE: PRIOELG = 1 AND PEMJOT = 1 AND
HRMIS = 4 OR 8

VALID ENTRIES

- 1 FEDERAL GOVT
- 2 STATE GOVT
- 3 LOCAL GOVT
- 4 PRIVATE (INCL. SELF-EMPLOYED INCORP.)
- 5 SELF-EMPLOYED, UNINCORP.
- 6 WITHOUT PAY

PRCOWPG	2	COW - PRIVATE OR GOVERNMENT	466 - 467
---------	---	-----------------------------	-----------

EDITED UNIVERSE: PEIO1COW = 1 - 5

VALID ENTRIES

- 1 PRIVATE
- 2 GOVERNMENT

PRDTCOW1	2	DETAILED CLASS OF WORKER RECODE - JOB 1	468 - 469
----------	---	---	-----------

EDITED UNIVERSE: PRIOELG = 1

VALID ENTRIES

- 1 AGRI., WAGE & SALARY, PRIVATE
- 2 AGRI., WAGE & SALARY, GOVERNMENT

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

- 3 AGRI., SELF-EMPLOYED
- 4 AGRI., UNPAID
- 5 NONAG, WS, PRIVATE, PRIVATE HHLDS
- 6 NONAG, WS, PRIVATE, OTHER PRIVATE
- 7 NONAG, WS, GOVT, FEDERAL
- 8 NONAG, WS, GOVT, STATE
- 9 NONAG, WS, GOVT, LOCAL
- 10 NONAG, SELF-EMPLOYED
- 11 NONAG, UNPAID

PRDTCOW2	2	DETAILED CLASS OF WORKER RECODE - JOB 2	470 - 471
----------	---	---	-----------

EDITED UNIVERSE: PRIOELG = 1 AND PEMJOT = 1 AND
HRMIS = 4 OR 8

VALID ENTRIES

- 1 AGRI., WAGE & SALARY, PRIVATE
- 2 AGRI., WAGE & SALARY, GOVERNMENT
- 3 AGRI., SELF-EMPLOYED
- 4 AGRI., UNPAID
- 5 NONAG, WS, PRIVATE, PRIVATE HHLDS
- 6 NONAG, WS, PRIVATE, OTHER PRIVATE
- 7 NONAG, WS, GOVT, FEDERAL
- 8 NONAG, WS, GOVT, STATE
- 9 NONAG, WS, GOVT, LOCAL
- 10 NONAG, SELF-EMPLOYED
- 11 NONAG, UNPAID

PRDTIND1	2	DETAILED INDUSTRY RECODE - JOB 1	472 - 473
----------	---	----------------------------------	-----------

EDITED UNIVERSE: PRIOELG = 1

VALID ENTRIES

- 1 Agriculture
- 2 Forestry, logging, fishing, and hunting
- 3 Mining, quarrying, and oil and gas extraction
- 4 Construction
- 5 Nonmetallic mineral product manufacturing
- 6 Primary metals and fabricated metal products
- 7 Machinery manufacturing
- 8 Computer and electronic product manufacturing
- 9 Electrical equipment, appliance manufacturing
- 10 Transportation equipment manufacturing

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

- | | | | |
|----|---|--|--|
| 11 | Wood products | | |
| 12 | Furniture and fixtures manufacturing | | |
| 13 | Miscellaneous and not specified manufacturing | | |
| 14 | Food manufacturing | | |
| 15 | Beverage and tobacco products | | |
| 16 | Textile, apparel, and leather manufacturing | | |
| 17 | Paper and printing | | |
| 18 | Petroleum and coal products manufacturing | | |
| 19 | Chemical manufacturing | | |
| 20 | Plastics and rubber products | | |
| 21 | Wholesale trade | | |
| 22 | Retail trade | | |
| 23 | Transportation and warehousing | | |
| 24 | Utilities | | |
| 25 | Publishing industries (except internet) | | |
| 26 | Motion picture and sound recording industries | | |
| 27 | Broadcasting (except internet) | | |
| 28 | Internet publishing and broadcasting | | |
| 29 | Telecommunications | | |
| 30 | Internet service providers and data processing services | | |
| 31 | Other information services | | |
| 32 | Finance | | |
| 33 | Insurance | | |
| 34 | Real estate | | |
| 35 | Rental and leasing services | | |
| 36 | Professional, scientific, and technical services | | |
| 37 | Management of companies and enterprises | | |
| 38 | Administrative and support services | | |
| 39 | Waste management and remediation services | | |
| 40 | Educational services | | |
| 41 | Hospitals | | |
| 42 | Health care services, except hospitals | | |
| 43 | Social assistance services | | |
| 44 | Arts, entertainment, and recreation | | |
| 45 | Accommodation | | |
| 46 | Food services and drinking places | | |
| 47 | Repair and maintenance | | |
| 48 | Personal and laundry services | | |
| 49 | Membership associations and organizations | | |
| 50 | Private households | | |
| 51 | Public administration | | |
| 52 | Armed forces | | |

EDITED UNIVERSE: PRIOELG = 1 AND PEMJOT = 1 AND HRMIS = 4 OR 8

VALID ENTRIES

- 1 Agriculture
- 2 Forestry, logging, fishing, and hunting
- 3 Mining, quarrying, and oil and gas extraction
- 4 Construction
- 5 Nonmetallic mineral product manufacturing
- 6 Primary metals and fabricated metal products
- 7 Machinery manufacturing
- 8 Computer and electronic product manufacturing
- 9 Electrical equipment, appliance manufacturing
- 10 Transportation equipment manufacturing
- 11 Wood products
- 12 Furniture and fixtures manufacturing
- 13 Miscellaneous and not specified manufacturing
- 14 Food manufacturing
- 15 Beverage and tobacco products
- 16 Textile, apparel, and leather manufacturing
- 17 Paper and printing
- 18 Petroleum and coal products manufacturing
- 19 Chemical manufacturing
- 20 Plastics and rubber products
- 21 Wholesale trade
- 22 Retail trade
- 23 Transportation and warehousing
- 24 Utilities
- 25 Publishing industries (except internet)
- 26 Motion picture and sound recording industries
- 27 Broadcasting (except internet)
- 28 Internet publishing and broadcasting
- 29 Telecommunications
- 30 Internet service providers and data processing services
- 31 Other information services
- 32 Finance
- 33 Insurance
- 34 Real estate
- 35 Rental and leasing services
- 36 Professional, scientific, and technical services
- 37 Management of companies and enterprises
- 38 Administrative and support services

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

- | | |
|----|---|
| 39 | Waste management and remediation services |
| 40 | Educational services |
| 41 | Hospitals |
| 42 | Health care services, except hospitals |
| 43 | Social assistance services |
| 44 | Arts, entertainment, and recreation |
| 45 | Accommodation |
| 46 | Food services and drinking places |
| 47 | Repair and maintenance |
| 48 | Personal and laundry services |
| 49 | Membership associations and organizations |
| 50 | Private households |
| 51 | Public administration |
| 52 | Armed forces |

PRDTOCC1	2	DETAILED OCCUPATION RECODE - JOB 1	476 - 477
----------	---	------------------------------------	-----------

EDITED UNIVERSE: PRIOELG = 1

VALID ENTRIES

- | | |
|----|--|
| 1 | Management occupations |
| 2 | Business and financial operations occupations |
| 3 | Computer and mathematical occupations |
| 4 | Architecture and engineering occupations |
| 5 | Life, physical, and social science occupations |
| 6 | Community and social service occupations |
| 7 | Legal occupations |
| 8 | Education instruction and library occupations |
| 9 | Arts, design, entertainment, sports, and media occupations |
| 10 | Healthcare practitioner and technical occupations |
| 11 | Healthcare support occupations |
| 12 | Protective service occupations |
| 13 | Food preparation and serving related occupations |
| 14 | Building and grounds cleaning and maintenance occupations |
| 15 | Personal care and service occupations |
| 16 | Sales and related occupations |
| 17 | Office and administrative support occupations |
| 18 | Farming, fishing, and forestry occupations |
| 19 | Construction and extraction occupations |
| 20 | Installation, maintenance, and repair occupations |
| 21 | Production occupations |

NAME	SIZE	DESCRIPTION	LOCATION
		22 Transportation and material moving occupations 23 Armed Forces	
PRDTOCC2	2	DETAILED OCCUPATION RECODE	478 - 479
		EDITED UNIVERSE: PRIOELG = 1 AND PEMJOT = 1 AND HRMIS = 4 OR 8	
		<u>VALID ENTRIES</u>	
		1 Management occupations 2 Business and financial operations occupations 3 Computer and mathematical occupations 4 Architecture and engineering occupations 5 Life, physical, and social science occupations 6 Community and social service occupations 7 Legal occupations 8 Education instruction and library occupations 9 Arts, design, entertainment, sports, and media occupations 10 Healthcare practitioner and technical occupations 11 Healthcare support occupations 12 Protective service occupations 13 Food preparation and serving related occupations 14 Building and grounds cleaning and maintenance occupations 15 Personal care and service occupations 16 Sales and related occupations 17 Office and administrative support occupations 18 Farming, fishing, and forestry occupations 19 Construction and extraction occupations 20 Installation, maintenance, and repair occupations 21 Production occupations 22 Transportation and material moving occupations 23 Armed Forces	
PREMP	2	EMPLOYED PERSONS (NON-FARM & NON-PRIVATE HHLD) RECODE	480 - 481
		EDITED UNIVERSE: PEMLR = 1 OR 2 AND PEIO1OCD ne 403-407, 473-484	
		<u>VALID ENTRY</u>	

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

		1 EMPLOYED PERSONS (EXC. FARM & PRIV HH)	
PRMJIND1	2	MAJOR INDUSTRY RECODE - JOB 1	482 - 483

EDITED UNIVERSE: PRDTIND1 = 1-51

VALID ENTRIES

- 1 Agriculture, forestry, fishing, and hunting
- 2 Mining
- 3 Construction
- 4 Manufacturing
- 5 Wholesale and retail trade
- 6 Transportation and utilities
- 7 Information
- 8 Financial activities
- 9 Professional and business services
- 10 Educational and health services
- 11 Leisure and hospitality
- 12 Other services
- 13 Public administration
- 14 Armed Forces

PRMJIND2	2	MAJOR INDUSTRY RECODE - JOB 2	484 - 485
----------	---	-------------------------------	-----------

EDITED UNIVERSE: PRDTIND2 = 1-51

VALID ENTRIES

- 1 Agriculture, forestry, fishing, and hunting
- 2 Mining
- 3 Construction
- 4 Manufacturing
- 5 Wholesale and retail trade
- 6 Transportation and utilities
- 7 Information
- 8 Financial activities
- 9 Professional and business services
- 10 Educational and health services
- 11 Leisure and hospitality
- 12 Other services
- 13 Public administration

NAME	SIZE	DESCRIPTION	LOCATION
		14 Armed Forces	
PRMJOC1	2	MAJOR OCCUPATION RECODE - JOB 1	486 - 487
		EDITED UNIVERSE: PRDTOCC1 = 1-23	
		<u>VALID ENTRIES</u>	
		1 Management, business, and financial occupations	
		2 Professional and related occupations	
		3 Service occupations	
		4 Sales and related occupations	
		5 Office and administrative support occupations	
		6 Farming, fishing, and forestry occupations	
		7 Construction and extraction occupations	
		8 Installation, maintenance, and repair occupations	
		9 Production occupations	
		10 Transportation and material moving occupations	
		11 Armed Forces	
PRMJOC2	2	MAJOR OCCUPATION RECODE - JOB 2	488 - 489
		EDITED UNIVERSE: PRDTOCC2 = 1-23	
		<u>VALID ENTRIES</u>	
		1 Management, business, and financial occupations	
		2 Professional and related occupations	
		3 Service occupations	
		4 Sales and related occupations	
		5 Office and administrative support occupations	
		6 Farming, fishing, and forestry occupations	
		7 Construction and extraction occupations	
		8 Installation, maintenance, and repair occupations	
		9 Production occupations	
		10 Transportation and material moving occupations	
		11 Armed Forces	
PRMJOCGR	2	MAJOR OCCUPATION CATEGORIES	490 - 491

NAME	SIZE	DESCRIPTION	LOCATION
		EDITED UNIVERSE: PRMJOC = 1-11	
		<u>VALID ENTRIES</u>	
		1 Management, professional, and related occupations	
		2 Service occupations	
		3 Sales and office occupations	
		4 Farming, fishing, and forestry occupations	
		5 Construction, and maintenance occupations	
		6 Production, transportation, and material moving occupations	
		7 Armed Forces	
PRNAGPWS	2	NON-AGRICULTURE, PRIVATE WAGE AND SALARY WORKERS RECODE	492 - 493
		EDITED UNIVERSE: PRCOW1 = 1 AND PEIO1ICD ne 0170 - 0890	
		<u>VALID ENTRY</u>	
		1 NON-AG PRIV WAGE & SALARY NON-AGRICULTURE WAGE AND SALARY WORKERS RECODE	
PRNAGWS		NON-AGRICULTURE WAGE AND SALARY WORKERS RECODE	494 - 495
		EDITED UNIVERSE: PEMLR = 1-4 AND PRCOW = 1-4 AND PEIO1ICD ne 0170-0290	
		<u>VALID ENTRY</u>	
		1 NON-AG WAGE AND SALARY WORKERS SINGLE/MULTIPLE JOBHOLDER RECODE	
PRMJMJ		SINGLE/MULTIPLE JOBHOLDER RECODE	496 - 497
		EDITED UNIVERSE: PEMLR = 1 OR 2	
		<u>VALID ENTRIES</u>	
		1 SINGLE JOBHOLDER	
		2 MULTIPLE JOBHOLDER	

NAME	SIZE	DESCRIPTION	LOCATION
PRERELG	2	EARNINGS ELIGIBILITY FLAG EDITED UNIVERSE: PEMLR = 1-2 AND HRMIS = 4 OR 8 <u>VALID ENTRIES</u> 0 NOT ELIGIBLE FOR EDIT 1 ELIGIBLE FOR EDIT	498 - 499
PEERNUOT	2	DO YOU USUALLY RECEIVE OVERTIME PAY, TIPS, OR COMMISSIONS AT YOUR JOB? EDITED UNIVERSE: PRERELG = 1 <u>VALID ENTRIES</u> 1 YES 2 NO	500 - 501
PEERNPER	2	PERIODICITY EDITED UNIVERSE: PRERELG = 1 <u>VALID ENTRIES</u> 1 HOURLY 2 WEEKLY 3 BI-WEEKLY 4 TWICE MONTHLY 5 MONTHLY 6 ANNUALLY 7 OTHER – SPECIFY	502 - 503
PEERNRT	2	(EVEN THOUGH YOU TOLD ME IT IS EASIER TO REPORT YOUR EARNINGS (PERIODICITY); ARE YOU PAID AT AN HOURLY RATE ON YOUR (MAIN/THIS) JOB? EDITED UNIVERSE: PEERNPER = 2-7 <u>VALID ENTRIES</u> 1 YES 2 NO	504 - 505
PEERNHRY	2	HOURLY/NONHOURLY STATUS	506 - 507

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

EDITED UNIVERSE: PRERELG = 1

VALID ENTRIES

- 1 HOURLY WORKER
- 2 NONHOURLY WORKER

PTERNH1C	4	WHAT IS YOUR HOURLY RATE OF PAY ON THIS JOB, EXCLUDING OVERTIME PAY, TIPS OR COMMISSION? DOLLAR AMOUNT - 2 IMPLIED DECIMALS ROIUNDED and TOPCODED	508 - 511
----------	---	---	-----------

VALID ENTRIES

- 0 MIN VALUE
- ** MAX VALUE

** The MAX value will change monthly as each month's file is topcoded based on that values. The topcode value for each month is NOT rounded and is the weighted average of the top 3 percent of that month's values.

PTERNH2	4	(EXCLUDING OVERTIME PAY, TIPS AND COMMISSIONS) WHAT IS YOUR HOURLY RATE OF PAY ON YOUR (MAIN/THIS) JOB? DOLLAR AMOUNT - 2 IMPLIED DECIMALS ROUNDED and TOPCODED	512 - 515
---------	---	---	-----------

EDITED UNIVERSE: PEERNRT = 1

VALID ENTRIES

- 0 MIN VALUE
- ** MAX VALUE

** The MAX value will change monthly as each month's file is topcoded based on that values. The topcode value for each month is NOT rounded and is the weighted average of the top 3 percent of that month's values.

PTERNH1O	4	OUT VARIABLE FOR HOURLY	516 - 519
----------	---	-------------------------	-----------

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

RATE OF PAY (2 IMPLIED DECIMAL PLACES)
 EDITED UNIVERSE: PEERNPER = 1
 ROUNDED and TOPCODED

VALID ENTRIES

0 MIN VALUE
 ** MAX VALUE

** The MAX value will change monthly as each month's file is topcoded based on that values. The topcode value for each month is NOT rounded and is the weighted average of the top 3 percent of that month's values.

PTERNHLY	4	RECODE FOR HOURLY RATE 2 IMPLIED DECIMALS	520 - 523
----------	---	--	-----------

EDITED UNIVERSE: PEERNPER = 1 OR PEERNRT = 1
 ROUNDED and TOPCODED

VALID ENTRIES

0 MIN VALUE
 ** MAX VALUE

** The MAX value will change monthly as each month's file is topcoded based on that values. The topcode value for each month is NOT rounded and is the weighted average of the top 3 percent of that month's values.

PADDING	1		524
---------	---	--	-----

PEERNHRO	2	USUAL HOURS	525 - 526
----------	---	-------------	-----------

EDITED UNIVERSE: PEERNH1O = ENTRY

VALID ENTRIES

0 MIN VALUE
 99 MAX VALUE

PTERNWA	8	WEEKLY EARNINGS RECODE	527 - 534
---------	---	------------------------	-----------

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

ROUNDED and TOPCODED, REPORTED IN WHOLE DOLLARS

EDITED UNIVERSE: PRERELG = 1

VALID ENTRIES

0 MIN VALUE
 ** MAX VALUE

** The MAX value will change monthly as each month's file is topcoded based on that values. The topcode value for each month is NOT rounded and is the weighted average of the top 3 percent of that month's values.

FILLER	5		535 - 539
--------	---	--	-----------

PTERN	6	CALCULATED WEEKLY OVERTIME AMOUNT ROUNDED and TOPCODED	540 - 547
-------	---	---	-----------

EDITED UNIVERSE: PEERNUOT = 1 AND PEERNPER = 1

VALID ENTRIES

0 MIN VALUE
 ** MAX VALUE

** The MAX value will change monthly as each month's file is topcoded based on that month's values. The topcode value for each month is NOT rounded and is the weighted average of the top 3 percent of that month's values.

PTERN2	8	CALCULATED WEEKLY OVERTIME AMOUNT WHOLE DOLLARS ROUNDED and TOPCODED	548 - 555
--------	---	--	-----------

VALID ENTRIES

0 MIN VALUE
 ** MAX VALUE

** The MAX value will change monthly as each month's file is topcoded based on that month's values. The topcode value for each month is NOT rounded and is the weighted average of the top 3 percent of that month's values.

NAME	SIZE	DESCRIPTION	LOCATION
FILLER	3		556 - 558
PEERNWKP	2	HOW MANY WEEKS A YEAR DO YOU GET PAID FOR? EDITED UNIVERSE: PEERNPER = 6 <u>VALID ENTRIES</u> 01 MIN VALUE 52 MAX VALUE	559 - 560
PEERNLAB	2	ON THIS JOB, ARE YOU A MEMBER OF A LABOR UNION OR OF AN EMPLOYEE ASSOCIATION SIMILAR TO A UNION? EDITED UNIVERSE: (PEIO1COW = 1-5 AND PEMLR = 1-2 AND HRMIS = 4, 8) <u>VALID ENTRIES</u> 1 YES 2 NO	561 - 562
PEERNCOV	2	ON THIS JOB ARE YOU COVERED BY A UNION OR EMPLOYEE ASSOCIATION CONTRACT? EDITED UNIVERSE: (PEIO1COW = 1-5 AND PEMLR = 1-2 AND HRMIS = 4, 8) <u>VALID ENTRIES</u> 1 YES 2 NO	563 - 564
PENLFJH	2	WHEN DID YOU LAST WORK AT A JOB OR BUSINESS? EDITED UNIVERSE: HRMIS = 4 OR 8 AND PEMLR = 3-7 <u>VALID ENTRIES</u>	565 - 566

NAME	SIZE	DESCRIPTION	LOCATION
		1 WITHIN THE LAST 12 MONTHS 2 MORE THAN 12 MONTHS AGO 3 NEVER WORKED	
PENLFRET	2	ARE YOU RETIRED FROM A JOB OR BUSINESS? EDITED UNIVERSE: PRTAGE = 50+ AND PEMLR = 3-7 <u>VALID ENTRIES</u> 1 YES 2 NO	567 - 568
PENLFACT	2	WHAT BEST DESCRIBES YOUR SITUATION AT THIS TIME? FOR EXAMPLE, ARE YOU DISABLED, ILL, IN SCHOOL, TAKING CARE OF HOUSE OR FAMILY, OR SOMETHING ELSE? EDITED UNIVERSE: (PRTAGE = 14-49) or (PENLFRET = 2) <u>VALID ENTRIES</u> 1 DISABLED 2 ILL 3 IN SCHOOL 4 TAKING CARE OF HOUSE OR FAMILY 5 IN RETIREMENT 6 SOMETHING ELSE/OTHER	569 - 570
PUNLFCK1	2	NOT IN LABOR FORCE CHECK ITEM - 1 <u>VALID ENTRIES</u> 1 IF AGERNG EQUALS 1-4 OR 9 THEN GOTO NLFACK 2 ALL OTHERS GOT NLFRET	571 - 572
PUNLFCK2	2	NOT IN LABOR FORCE CHECK ITEM - 2 <u>VALID ENTRIES</u> 1 IF MISCK EQUALS 4 OR 8 THEN GOTO NLFJH	573 - 574

NAME	SIZE	DESCRIPTION	LOCATION
		2 ALL OTHERS GOTO LBFR-END	
PESCHENR	2	LAST WEEK, WERE YOU ENROLLED IN A HIGH SCHOOL, COLLEGE, OR UNIVERSITY?	575 - 576
		EDITED UNIVERSE: PRPERTYP = 2 and PRTAGE = 16-54	
		<u>VALID ENTRIES</u>	
		1 YES	
		2 NO	
PESCHFT	2	ARE YOU ENROLLED IN SCHOOL AS A FULL-TIME OR PART-TIME STUDENT?	577 - 578
		EDITED UNIVERSE: PESCHLVL = 1, 2	
		<u>VALID ENTRIES</u>	
		1 FULL-TIME	
		2 PART-TIME	
PESCHLVL	2	WOULD THAT BE HIGH SCHOOL, COLLEGE, OR UNIVERSITY?	579 - 580
		EDITED UNIVERSE: PESCHENR = 1	
		<u>VALID ENTRIES</u>	
		1 HIGH SCHOOL	
		2 COLLEGE OR UNIVERSITY	
PRNLFSCH	2	NLF ACTIVITY - IN SCHOOL OR NOT IN SCHOOL	581 - 582
		EDITED UNIVERSE: PENLFACT = -1 OR 1-6 AND PRTAGE = 16-24	
		<u>VALID ENTRIES</u>	
		1 IN SCHOOL	
		2 NOT IN SCHOOL	
		PERSON'S WEIGHTS	
PWFMWGT	10	FAMILY WEIGHT (4 IMPLIED DECIMALS)	583 - 592

NAME	SIZE	DESCRIPTION	LOCATION
ONLY USED FOR TALLYING FAMILY CHARACTERISTICS.			
EDITED UNIVERSE: PRPERTYP = 1-3			
PWLGWGT	10	LONGITUDINAL WEIGHT (4 IMPLIED DECIMALS) ONLY FOUND ON ADULT RECORDS MATCHED FROM MONTH TO MONTH. (USED FOR GROSS FLOWS ANALYSIS)	593 - 602
EDITED UNIVERSE: PRPERTYP = 2			
PWORWGT	10	OUTGOING ROTATION WEIGHT (4 IMPLIED DECIMALS) USED FOR TALLYING INFORMATION COLLECTED ONLY IN OUTGOING ROTATIONS (i.e., EARNINGS, 2nd JOB I & O, DETAILED NILF)	603 - 612
EDITED UNIVERSE: PRPERTYP = 2			
PWSSWGT	10	FINAL WEIGHT (4 IMPLIED DECIMAL PLACES) USED FOR MOST TABULATIONS, CONTROLLED TO INDEPENDENT ESTIMATES FOR 1) STATES; 2) ORIGIN, SEX, AND AGE; AND 3) AGE, RACE, AND SEX.	613 - 622
EDITED UNIVERSE: PRPERTYP = 1-3			
PWVETWGT	10	VETERANS WEIGHT (4 IMPLIED DECIMALS) USED FOR TALLYING VETERAN'S DATA ONLY, CONTROLLED TO ESTIMATES OF VETERANS SUPPLIED BY VA.	623 - 632
EDITED UNIVERSE: PRPERTYP = 2			
PRCHLD	2	PRESENCE OF OWN CHILDREN <18 YEARS OF AGE BY SELECTED AGE GROUP	633-634
EDITED UNIVERSE: PRFAMREL = 1 or 2			

VALID ENTRIES

- 1 NIU (Not a parent)
- 0 No own children under 18 years of age
- 1 All own children 0- 2 years of age
- 2 All own children 3- 5 years of age

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

- 3 All own children 6-13 years of age
- 4 All own children 14-17 years of age
- 5 Own children 0- 2 and 3- 5 years of age (none 6-17)
- 6 Own children 0- 2 and 6-13 years of age (none 3- 5 or 14-17)
- 7 Own children 0- 2 and 14-17 years of age (none 3-13)
- 8 Own children 3- 5 and 6-13 years of age (none 0- 2 or 14-17)
- 9 Own children 3- 5 and 14-17 years of age (none 0- 2 or 6-13)
- 10 Own children 6-13 and 14-17 years of age (none 0- 5)
- 11 Own children 0- 2, 3- 5, and 6-13 years of age (none 14-17)
- 12 Own children 0- 2, 3- 5, and 14-17 years of age (none 6-13)
- 13 Own children 0- 2, 6-13, and 14-17 years of age (none 3- 5)
- 14 Own children 3- 5, 6-13, and 14-17 years of age (none 0- 2)
- 15 Own children from all age groups

PRNMCHLD	2	Number of own children <18 years of age	635-636
----------	---	---	---------

EDITED UNIVERSE: PRFAMREL = 1 or 2

VALID ENTRIES

-1 NIU (Not a parent)
0:99 Number of own children under 18 years of age

ALLOCATION FLAGS

Unless otherwise noted, the values for all allocation flags are defined as described below:

VALID ENTRIES

- 00 VALUE - NO CHANGE
- 01 BLANK - NO CHANGE
- 02 DON'T KNOW - NO CHANGE
- 03 REFUSED - NO CHANGE
- 10 VALUE TO VALUE
- 11 BLANK TO VALUE
- 12 DON'T KNOW TO VALUE
- 13 REFUSED TO VALUE
- 20 VALUE TO LONGITUDINAL VALUE
- 21 BLANK TO LONGITUDINAL VALUE
- 22 DON'T KNOW TO LONGITUDINAL VALUE
- 23 REFUSED TO LONGITUDINAL VALUE
- 30 VALUE TO ALLOCATED VALUE LONG.
- 31 BLANK TO ALLOCATED VALUE LONG.
- 32 DON'T KNOW TO ALLOCATED VALUE LONG.
- 33 REFUSED TO ALLOCATED VALUE LONG.

NAME	SIZE	DESCRIPTION	LOCATION
		40 VALUE TO ALLOCATED VALUE	
		41 BLANK TO ALLOCATED VALUE	
		42 DON'T KNOW TO ALLOCATED VALUE	
		43 REFUSED TO ALLOCATED VALUE	
		50 VALUE TO BLANK	
		52 DON'T KNOW TO BLANK	
		53 REFUSED TO BLANK	
PXPDEMP1	2	ALLOCATION FLAG	637-638
PRWERNAL	2	ALLOCATION FLAG	639 - 640
		WEEKLY EARNINGS RECODE (PRERNWA) ALLOCATION FLAG	
		EDITED UNIVERSE: PRERELG = 1	
		00 NO ALLOCATION	
		01 ONE OR MORE COMPONENTS OF THE RECODE ARE ALLOCATED	
PRHERNAL	2	ALLOCATION FLAG	641 - 642
		HOURLY EARNINGS RECODE (PRERNHLY) ALLOCATION FLAG	
		EDITED UNIVERSE: PRERNHRY = 1	
		00 NO ALLOCATION	
		01 ONE OR MORE COMPONENT OF THE RECODE ARE ALLOCATED	
HXTENURE	2	ALLOCATION FLAG See HETENURE note.	643 - 644
HXHOUSUT	2	ALLOCATION FLAG	645 - 646
HXTELHHD	2	ALLOCATION FLAG	647 - 648
HXTELA VL	2	ALLOCATION FLAG	649 - 650
HXPHONEO	2	ALLOCATION FLAG	651 - 652
PXINUSYR	2	ALLOCATION FLAG	653 - 654
PXRRP	2	ALLOCATION FLAG	655 - 656

NAME	SIZE	DESCRIPTION	LOCATION
PXPARENT	2	ALLOCATION FLAG	657 – 658
PXAGE	2	ALLOCATION FLAG	659 - 660
PXMARITL	2	ALLOCATION FLAG	661 - 662
PXSPOUSE	2	ALLOCATION FLAG	663 - 664
PXSEX	2	ALLOCATION FLAG	665 - 666
PXAFWHN1	2	ALLOCATION FLAG	667 - 668
PXAFNOW	2	ALLOCATION FLAG	669 - 670
PXEDUCA	2	ALLOCATION FLAG	671 - 672
PXRACE1	2	ALLOCATION FLAG	673 - 674
PXNATVTY	2	ALLOCATION FLAG	675 - 676
PXMNTVTY	2	ALLOCATION FLAG	677 - 678
PXFNTVTY	2	ALLOCATION FLAG	679 - 680
PXNMEMP1	2	ALLOCATION FLAG	681 - 682
PXHSPNON	2	ALLOCATION FLAG	683 - 684
PXMLR	2	ALLOCATION FLAG	685 - 686
PXRET1	2	ALLOCATION FLAG	687 - 688
PXABSRSN	2	ALLOCATION FLAG	689 - 690
PXABSPDO	2	ALLOCATION FLAG	691 - 692
PXMJOT	2	ALLOCATION FLAG	693 - 694
PXMJNUM	2	ALLOCATION FLAG	695 - 696
PXHRUSL1	2	ALLOCATION FLAG	697 - 698
PXHRUSL2	2	ALLOCATION FLAG	699 - 700
PXHRFTPT	2	ALLOCATION FLAG	701 - 702

NAME	SIZE	DESCRIPTION	LOCATION
PXHRUSLT	2	ALLOCATION FLAG	703 - 704
PXHRWANT	2	ALLOCATION FLAG	705 - 706
PXHRRSN1	2	ALLOCATION FLAG	707 - 708
PXHRRSN2	2	ALLOCATION FLAG	709 - 710
PXHRACT1	2	ALLOCATION FLAG	711 - 712
PXHRACT2	2	ALLOCATION FLAG	713 - 714
PXHRACTT	2	ALLOCATION FLAG	715 - 716
PXHRRSN3	2	ALLOCATION FLAG	717 - 718
PXHRAVL	2	ALLOCATION FLAG	719 - 720
PXLAYAVL	2	ALLOCATION FLAG	721 - 722
PXLAYLK	2	ALLOCATION FLAG	723 - 724
PXLAYDUR	2	ALLOCATION FLAG	725 - 726
PXLAYFTO	2	ALLOCATION FLAG	727 - 728
PXLKM1	2	ALLOCATION FLAG	729 - 730
PXLKAVL	2	ALLOCATION FLAG	731 - 732
PXLKLL1O	2	ALLOCATION FLAG	733 - 734
PXLKLL2O	2	ALLOCATION FLAG	735 - 736
PXLKLWO	2	ALLOCATION FLAG	737 - 738
PXLKDUR	2	ALLOCATION FLAG	739 - 740
PXLKFTO	2	ALLOCATION FLAG	741 - 742
PXDWWNTO	2	ALLOCATION FLAG	743 - 744
PXDWRSN	2	ALLOCATION FLAG	745 - 746
PXDWLKO	2	ALLOCATION FLAG	747 - 748

NAME	SIZE	DESCRIPTION	LOCATION
PXDWWK	2	ALLOCATION FLAG	749 - 750
PXDW4WK	2	ALLOCATION FLAG	751 - 752
PXDWLKWK	2	ALLOCATION FLAG	753 - 754
PXDWAVL	2	ALLOCATION FLAG	755 - 756
PXDWAVR	2	ALLOCATION FLAG	757 - 758
PXJHWKO	2	ALLOCATION FLAG	759 - 760
PXJHRSN	2	ALLOCATION FLAG	761 - 762
PXJHWANT	2	ALLOCATION FLAG	763 - 764
PXIO1COW	2	ALLOCATION FLAG	765 - 766
PXIO1ICD	2	ALLOCATION FLAG	767 - 768
PXIO1OCD	2	ALLOCATION FLAG	769 - 770
PXIO2COW	2	ALLOCATION FLAG	771 - 772
PXIO2ICD	2	ALLOCATION FLAG	773 - 774
PXIO2OCD	2	ALLOCATION FLAG	775 - 776
PXERNUOT	2	ALLOCATION FLAG	777 - 778
PXERNPER	2	ALLOCATION FLAG	779 - 780
PXERNH1O	2	ALLOCATION FLAG	781 - 782
PXERNHRO	2	ALLOCATION FLAG	783 - 784
PXERN	2	ALLOCATION FLAG	785 - 786
PXPDEMP2	2	ALLOCATION FLAG	787 - 788
PXNMEMP2	2	ALLOCATION FLAG	789 - 790
PXERNWKP	2	ALLOCATION FLAG	791 - 792
PXERNRT	2	ALLOCATION FLAG	793 - 794

NAME	SIZE	DESCRIPTION	LOCATION
PXERNHRY	2	ALLOCATION FLAG	795 – 796
PXERNH2	2	ALLOCATION FLAG	797 - 798
PXERNLAB	2	ALLOCATION FLAG	799 - 800
PXERNCOV	2	ALLOCATION FLAG	801 - 802
PXNLFJH	2	ALLOCATION FLAG	803 - 804
PXNLFRET	2	ALLOCATION FLAG	805 - 806
PXNLFACT	2	ALLOCATION FLAG	807 - 808
PXSCHENR	2	ALLOCATION FLAG	809 - 810
PXSCHFT	2	ALLOCATION FLAG	811 - 812
PXSCHLVL	2	ALLOCATION FLAG	813 - 814
QSTNUM	5	Unique household identifier. Valid only within any specific month.	815 - 819
OCCURNUM	2	Unique person identifier. Valid only within any specific month.	820 - 821
PEDIPGED	2	How did...get...'s high school diploma? EDITED UNIVERSE = PEEDUCA = 39 <u>VALID ENTRIES</u> 1 Graduation from high school 2 GED or other equivalent	822 - 823
PEHGCOMP	2	What was the highest grade of regular school...completed before receiving...'s GED? EDITED UNIVERSE = PEDIPGED = 2 <u>VALID ENTRIES</u> 1 Less than 1st grade 2 1st, 2nd, 3rd, or 4th grade	824 - 825

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

- | | |
|---|-------------------------|
| 3 | 5th or 6th grade |
| 4 | 7th or 8th grade |
| 5 | 9th grade |
| 6 | 10th grade |
| 7 | 11th grade |
| 8 | 12th grade (no diploma) |

PECYC	2	How many years of college credit has...completed?	826 - 827
-------	---	---	-----------

EDITED UNIVERSE: PEEDUCA =40-42

VALID ENTRIES

- | | |
|---|---|
| 1 | Less than 1 year (includes 0 years completed) |
| 2 | The first or Freshman year |
| 3 | The second or Sophomore year |
| 4 | The third or Junior year |
| 5 | Four or more years |

PADDING	6		828 - 833
---------	---	--	-----------

PXDIPGED	2	ALLOCATION FLAG	834 - 835
----------	---	-----------------	-----------

PXHGCCOMP	2	ALLOCATION FLAG	836 - 837
-----------	---	-----------------	-----------

PXCYC	2	ALLOCATION FLAG	838 - 839
-------	---	-----------------	-----------

FILLER	6		840 - 845
--------	---	--	-----------

PWCMPWGT	10	Composited Final Weight. Used to create BLS's published labor force statistics (4 implied decimal places)	846 - 855
----------	----	---	-----------

EDITED UNIVERSE: PRPERTYP = 2 AND
PRTAGE = 16+

SEE THE INDUSTRY AND OCCUPATION APPENDIX FOR CODE DESCRIPTIONS

PEIO1ICD	4	INDUSTRY CODE FOR PRIMARY JOB	856 - 859
----------	---	-------------------------------	-----------

EDITED UNIVERSE: (PEMLR = 1-3)
OR (PEMLR = 4 AND PELKLWO = 1-2)
OR (PEMLR = 5 AND (PENLFJH = 1 OR
PEJHWKO = 1))
OR (PEMLR = 6 AND PENLFJH = 1)
OR (PEMLR = 7 AND PEJHWKO=1)
6-81

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

VALID ENTRIES

0 MIN VALUE
9999 MAX VALUE

PTIO1OCD	4	OCCUPATION CODE FOR PRIMARY JOB.	860 - 863
----------	---	----------------------------------	-----------

EDITED UNIVERSE: (PEMLR = 1-3)
OR (PEMLR = 4 AND PELKLWO = 1-2)
OR (PEMLR = 5 AND (PENLFJH = 1 OR
PEJHWKO = 1))
OR (PEMLR = 6 AND PENLFJH = 1)
OR (PEMLR = 7 AND PEJHWKO = 1)

VALID ENTRIES

0 MIN VALUE
9999 MAX VALUE

PEIO2ICD	4	INDUSTRY CODE FOR SECOND JOB.	864 - 867
----------	---	-------------------------------	-----------

EDITED UNIVERSE: PEMJOT = 1 AND HRMIS = 4 OR 8

VALID ENTRIES

0 MIN VALUE
9999 MAX VALUE

PTIO2OCD	4	OCCUPATION CODE FOR SECOND JOB.	868 - 871
----------	---	---------------------------------	-----------

EDITED UNIVERSE: PEMJOT = 1 AND HRMIS = 4 OR 8

VALID ENTRIES

0 MIN VALUE
9999 MAX VALUE

PRIMIND1	2	INTERMEDIATE INDUSTRY RECODE (JOB 1)	872 - 873
----------	---	--------------------------------------	-----------

EDITED UNIVERSE: PRIOELG = 1

VALID ENTRIES

1 AGRICULTURE, FORESTRY, FISHING, and HUNTING
2 MINING

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

3	CONSTRUCTION
4	MANUFACTURING - DURABLE GOODS
5	MANUFACTURING - NON-DURABLE GOODS
6	WHOLESALE TRADE
7	RETAIL TRADE
8	TRANSPORTATION AND WAREHOUSING
9	UTILITIES
10	INFORMATION
11	FINANCE AND INSURANCE
12	REAL ESTATE AND RENTAL AND LEASING
13	PROFESSIONAL SCIENTIFIC AND TECHNICAL SERVICES
14	MANAGEMENT, ADMINISTRATIVE AND WASTE MANAGEMENT SERVICES
15	EDUCATIONAL SERVICES
16	HEALTH CARE AND SOCIAL ASSISTANCE SERVICES
17	ARTS, ENTERTAINMENT, AND RECREATION
18	ACCOMMODATION AND FOOD SERVICES
19	PRIVATE HOUSEHOLDS
20	OTHER SERVICES, EXCEPT PRIVATE HOUSEHOLDS
21	PUBLIC ADMINISTRATION
22	ARMED FORCES

PRIMIND2	2	INTERMEDIATE INDUSTRY RECODE (JOB 2)	874 - 875
----------	---	--------------------------------------	-----------

EDITED UNIVERSE: PRIOELG = 1 AND PEMJOT = 1 AND HRMIS = 4 OR 8

VALID ENTRIES

1	AGRICULTURE, FORESTRY, FISHING, and HUNTING
2	MINING
3	CONSTRUCTION
4	MANUFACTURING - DURABLE GOODS
5	MANUFACTURING - NON-DURABLE GOODS
6	WHOLESALE TRADE
7	RETAIL TRADE
8	TRANSPORTATION AND WAREHOUSING
9	UTILITIES
10	INFORMATION
11	FINANCE AND INSURANCE
12	REAL ESTATE AND RENTAL AND LEASING
13	PROFESSIONAL, SCIENTIFIC AND TECHNICAL SERVICES
14	MANAGEMENT, ADMINISTRATIVE AND WASTE MANAGEMENT SERVICES
15	EDUCATIONAL SERVICES
16	HEALTH CARE AND SOCIAL ASSISTANCE SERVICES
17	ARTS, ENTERTAINMENT, AND RECREATION

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

- 18 ACCOMMODATION AND FOOD SERVICES
- 19 PRIVATE HOUSEHOLDS
- 20 OTHER SERVICES, EXCEPT PRIVATE HOUSEHOLDS
- 21 PUBLIC ADMINISTRATION
- 22 ARMED FORCES

PEAFWHN1	2	WHEN DID YOU SERVE?	876 - 877
----------	---	---------------------	-----------

EDITED UNIVERSE: PEAFEVER = 1

VALID ENTRIES

- 1 SEPTEMBER 2001 OR LATER
- 2 AUGUST 1990 TO AUGUST 2001
- 3 MAY 1975 TO JULY 1990
- 4 VIETNAM ERA (AUGUST 1964 TO APRIL 1975)
- 5 FEBRUARY 1955 TO JULY 1964
- 6 KOREAN WAR (JULY 1950 TO JANUARY 1955)
- 7 JANUARY 1947 TO JUNE 1950
- 8 WORLD WAR II (DECEMBER 1941 TO DECEMBER 1946)
- 9 NOVEMBER 1941 OR EARLIER

PEAFWHN2	2	WHEN DID YOU SERVE?	878 - 879
----------	---	---------------------	-----------

EDITED UNIVERSE: PEAFEVER = 1

VALID ENTRIES

- 1 SEPTEMBER 2001 OR LATER
- 2 AUGUST 1990 TO AUGUST 2001
- 3 MAY 1975 TO JULY 1990
- 4 VIETNAM ERA (AUGUST 1964 TO APRIL 1975)
- 5 FEBRUARY 1955 TO JULY 1964
- 6 KOREAN WAR (JULY 1950 TO JANUARY 1955)
- 7 JANUARY 1947 TO JUNE 1950
- 8 WORLD WAR II (DECEMBER 1941 TO DECEMBER 1946)
- 9 NOVEMBER 1941 OR EARLIER

PEAFWHN3	2	WHEN DID YOU SERVE?	880 - 881
----------	---	---------------------	-----------

EDITED UNIVERSE: PEAFEVER = 1

VALID ENTRIES

NAME	SIZE	DESCRIPTION	LOCATION
		1 SEPTEMBER 2001 OR LATER 2 AUGUST 1990 TO AUGUST 2001 3 MAY 1975 TO JULY 1990 4 VIETNAM ERA (AUGUST 1964 TO APRIL 1975) 5 FEBRUARY 1955 TO JULY 1964 6 KOREAN WAR (JULY 1950 TO JANUARY 1955) 7 JANUARY 1947 TO JUNE 1950 8 WORLD WAR II (DECEMBER 1941 TO DECEMBER 1946) 9 NOVEMBER 1941 OR EARLIER	
PEAFWHN4	2	WHEN DID YOU SERVE?	882 - 883
		EDITED UNIVERSE: PEAFEVER = 1	
		<u>VALID ENTRIES</u>	
		1 SEPTEMBER 2001 OR LATER 2 AUGUST 1990 TO AUGUST 2001 3 MAY 1975 TO JULY 1990 4 VIETNAM ERA (AUGUST 1964 TO APRIL 1975) 5 FEBRUARY 1955 TO JULY 1964 6 KOREAN WAR (JULY 1950 TO JANUARY 1955) 7 JANUARY 1947 TO JUNE 1950 8 WORLD WAR II (DECEMBER 1941 TO DECEMBER 1946) 9 NOVEMBER 1941 OR EARLIER	
PXAFEVER	2	ALLOCATION FLAG	884 - 885
PEPAR2	2	LINE NUMBER OF FIRST PARENT (ALWAYS THE FATHER, IF PRESENT. WILL BE A FEMALE IF THE PARENTS ARE SAME SEX.)	886 - 887
		EDITED UNIVERSE: ALL	
		<u>VALID ENTRIES</u>	
		-1 NO PEPAR2 01 MIN VALUE 16 MAX VALUE	
PEPAR1	2	LINE NUMBER OF SECOND PARENT (ALWAYS THE	888 - 889

NAME	SIZE	DESCRIPTION	LOCATION
		MOTHER, IF PRESENT. WILL BE A MALE IF THE PARENTS ARE SAME SEX.)	
		EDITED UNIVERSE: ALL	
		<u>VALID ENTRIES</u>	
		-1 NO PEPAR1	
		01 MIN VALUE	
		16 MAX VALUE	
PEPAR2TYP	2	TYPE OF PEPAR2	890 – 891
		EDITED UNVERSE: ALL	
		-1 NO PEPAR1 PRESENT	
		01 BIOLOGICAL	
		02 STEP	
		03 ADOPTED	
PEPAR1TYP	2	TYPE OF PEPAR1	892 - 893
		EDITED UNVERSE: ALL	
		-1 NO PEPAR2 PRESENT	
		01 BIOLOGICAL	
		02 STEP	
		03 ADOPTED	
PECOHAB	2	LINE NUMBER OF COHABITING PARTNER	894 - 895
		EDITED UNIVERSE: ALL	
		<u>VALID ENTRIES</u>	
		-1 NO PARTNER PRESENT	
		01 MIN VALUE	
		16 MAX VALUE	
PXPAR2	2	ALLOCATION FLAG	896 - 897
PXPAR1	2	ALLOCATION FLAG	898 - 899

NAME	SIZE	DESCRIPTION	LOCATION
PXPAR2TYP	2	ALLOCATION FLAG	900 - 901
PXPAR1TYP	2	ALLOCATION FLAG	902 - 903
PXCOHAB	2	ALLOCATION FLAG	904 - 905
PEDISEAR	2	IS...DEAF OR DOES...HAVE SERIOUS DIFFICULTY HEARING?	906 - 907
		EDITED UNIVERSE: PRPERTYP = 2	
		<u>VALID ENTRIES</u>	
		1 Yes	
		2 No	
PEDISEYE	2	IS...BLIND OR DOES...HAVE SERIOUS DIFFICULTY SEEING EVEN WHEN WEARING GLASSES?	908 - 909
		EDITED UNIVERSE: PRPERTYP = 2	
		<u>VALID ENTRIES</u>	
		1 Yes	
		2 No	
PEDISREM	2	BECAUSE OF A PHYSICAL, MENTAL, OR EMOTIONAL CONDITION, DOES...HAVE SERIOUS DIFFICULTY CONCENTRATING, REMEMBERING, OR MAKING DECISIONS?	910 - 911
		EDITED UNIVERSE: PRPERTYP = 2	
		<u>VALID ENTRIES</u>	
		1 Yes	
		2 No	
PEDISPHY	2	DOES...HAVE SERIOUS DIFFICULTY WALKING OR CLIMBING STAIRS?	912 - 913

NAME	SIZE	DESCRIPTION	LOCATION
		EDITED UNIVERSE: PRPERTYP = 2 <u>VALID ENTRIES</u> 1 Yes 2 No	
PEDISDRS	2	DOES ... HAVE DIFFICULTY DRESSING OR BATHING? EDITED UNIVERSE: PRPERTYP = 2 <u>VALID ENTRIES</u> 1 Yes 2 No	914 - 915
PEDISOUT	2	BECAUSE OF A PHYSICAL, MENTAL, OR EMOTIONAL CONDITION DOES...HAVE DIFFICULTY DOING ERRANDS ALONE SUCH AS VISITING A DOCTOR'S OFFICE OR SHOPPING? EDITED UNIVERSE: PRPERTYP = 2 <u>VALID ENTRIES</u> 1 Yes 2 No	916 - 917
PRDISFLG	2	DOES THIS PERSON HAVE ANY OF THESE DISABILITY CONDITIONS? EDITED UNIVERSE: PEDISEAR OR PEDISEYE OR PEDISREM, PEDISPHY OR PEDISDRS OR PEDISOUT = 1 <u>VALID ENTRIES:</u> 1 Yes 2 No	918 - 919

NAME	SIZE	DESCRIPTION	LOCATION
PXDISEAR	2	ALLOCATION FLAG	920 - 921
PXDISEYE	2	ALLOCATION FLAG	922 - 923
PXDISREM	2	ALLOCATION FLAG	924 - 925
PXDISPHY	2	ALLOCATION FLAG	926 - 927
PXDISDRS	2	ALLOCATION FLAG	928 - 929
PXDISOUT	2	ALLOCATION FLAG	930 - 931
HXFAMINC	2	ALLOCATION FLAG	932 - 933
PRDASIAN	2	DETAILED ASIAN RACE RECODE	934 - 935

EDITED UNIVERSE: PTDTRACE = 4

VALID ENTRIES

- 1 Asian Indian
- 2 Chinese
- 3 Filipino
- 4 Japanese
- 5 Korean
- 6 Vietnamese
- 7 Other

PEPDEMP1	2	DOES THIS PERSON USUALLY HAVE ANY PAID EMPLOYEES?	936 - 937
----------	---	---	-----------

See location 637-638 for the allocation flag.

EDITED UNIVERSE: HRMIS = 3 or 4 and
PEIO1COW = 6 or 7

VALID ENTRIES

- 1 YES
- 2 NO

PTNMEMPI	2	EXCLUDING ALL OWNERS, HOW MANY PAID EMPLOYEES DOES THIS PERSON	938-939
----------	---	--	---------

NAME	SIZE	DESCRIPTION	LOCATION
		USUALLY HAVE? See location 681-682 for the allocation flag. EDITED UNIVERSE: PEPDEMP1 = 1 <u>VALID ENTRIES</u> 01-74 Number of employees 75 75 or more employees Note that this item is topcoded at 75 employees.	
PEPDEMP2	2	DOES THIS PERSON USUALLY HAVE ANY PAID EMPLOYEES? See location 787-788 for the allocation flag. EDITED UNIVERSE: HRMIS = 3 or 4 and PEIO1COW = 6 or 7 <u>VALID ENTRIES</u> 1 YES 2 NO	940 - 941
PTNMEMP2	2	EXCLUDING ALL OWNERS, HOW MANY PAID EMPLOYEES DOES THIS PERSON USUALLY HAVE? See location 789-790 for the allocation flag. EDITED UNIVERSE: PEPDEMP1 = 1 <u>VALID ENTRIES</u> 01-09 Number of employees 10 10 or more employees Note that this item is topcoded at 10 employees.	942 - 943
PECERT1	2	DOES ... HAVE A <u>CURRENTLY</u> <u>ACTIVE</u> PROFESSIONAL CERTIFICATION OR A STATE OR INDUSTRY LICENSE? DO <u>NOT</u> INCLUDE BUSINESS LICENSES, SUCH AS A LIQUOR LICENSE OR	944-945

NAME	SIZE	DESCRIPTION	LOCATION
		VENDING LICENSE.	
		EDITED UNIVERSE: PRPERTYP = 2	
		VALID ENTRIES	
		1 Yes	
		2 No	
PECERT2	2	WERE ANY OF ...'S CERTIFICATIONS OR LICENSES ISSUED BY THE FEDERAL, STATE, OR LOCAL GOVERNMENT?	946-947
		EDITED UNIVERSE: PECERT1 = 1	
		VALID ENTRIES	
		1 Yes	
		2 No	
PECERT3	2	EARLIER YOU TOLD ME THAT YOU HAD A CURRENTLY ACTIVE PROFESSIONAL CERTIFICATION OR LICENSE. IS YOUR CERTIFICATION OR LICENSE REQUIRED FOR YOUR ...	948-949
		a) JOB?	
		b) MAIN JOB?	
		c) JOB FROM WHICH YOU ARE OF LAYOFF?	
		d) JOB AT WHICH YOU LAST WORKED?	
		EDITED UNIVERSE: PECERT2 = 1	
		VALID ENTRIES	
		1 Yes	
		2 No	
PXCERT1	2	ALLOCATION FLAG	950-951
PXCERT2	2	ALLOCATION FLAG	952-953

NAME	SIZE	DESCRIPTION	LOCATION
PXCERT3	2	ALLOCATION FLAG	954-955
FILLER	45	FILLER	956 - 1000

End of Basic CPS Portion of the Record

ATTACHMENT 7

SUPPLEMENT RECORD LAYOUT Current Population Survey January 2023 CPS Tobacco Use Supplement

NAME	SIZE	DESCRIPTION	LOCATION
PENXTPR	2	Line number of person being interviewed. VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 1:16 Person's Line Number	1001-1002
PENXTPR3	2	Do Not Ask: Interviewer Check Item (Only take a proxy if this is the 4th callback for the self-respondent or the person will not return before closeout). Is this a Self or Proxy response? VALID ENTRIES: -1 Not in Universe 1 Self 2 Proxy	1003-1004
PEA1	2	(Have/Has)(you/name) smoked at least 100 cigarettes in (your/his/her) entire life? 100 cigarettes = approximately 5 packs VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1005-1006

NAME	SIZE	DESCRIPTION	LOCATION
PEA2	3	How old (were/was)(you/name) when (you/he/she) first started smoking cigarettes FAIRLY REGULARLY? FR: Fairly Regularly or Regularly refers to age when started smoking cigarettes on a routine basis as opposed to age when tried first cigarette. Enter 0 if never smoked regularly Enter age (1 to Age) VALID ENTRIES: -9 No Response -5 Never smoked regularly -3 Refused -2 Don't Know -1 Not in Universe 1:99	1007-1009
PEA2A	3	You said that (you/name) never smoked regularly. How old (were/was)(you/name) the first time (you/he/she) smoked part or all of a cigarette? VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 1:99	1010-1012
PEA3	2	(Do/Does)(you/name) now smoke cigarettes every day, some days, or not at all? VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 1 Every_day 2 Some_days 3 Not_at_all	1013-1014
PTB1i	3	On the average, about how many cigarettes do you now smoke each day? FR: One pack usually equals 20 cigarettes. If converting packs to cigarettes, always verify calculation with respondent. Enter number of cigarettes per day: (1-99) VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 1-99	1015-1017

NAME	SIZE	DESCRIPTION	LOCATION
PEB1A	2	Would you say that, on average, you now smoke more or less than 20 cigarettes each day? VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 1 More 2 Less 3 About 20 (One Pack)	1018-1019
PEB2	2	Do you usually smoke menthol or non-menthol cigarettes? VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 1 Menthol 2 Non menthol 3 No Usual Type	1020-1021
PEB5ANUM	2	How soon after you wake up do you typically smoke your first cigarette of the day? FR: If necessary, ask for best answer in minutes or hours. Enter (0) if respondent insists it varies. Enter Number: (0-90) VALID ENTRIES: -9 No Response -5 Varies -3 Refused -2 Don't Know -1 Not in Universe 1-90	1022-1023

NAME	SIZE	DESCRIPTION	LOCATION
PEB5AUNT	2	Enter unit reported (minutes or hours) VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 1 Minutes 2 Hours	1024-1025
PEB5B	2	Would you say you smoke your first cigarette of the day within the first 30 minutes? VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No 3 Varies	1026-1027
PEBA6A	2	Do you USUALLY BUY your own cigarettes? VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1028-1029
PEB6A	2	Do you USUALLY buy your cigarettes by the pack or by the carton? FR: A carton has 10 packs. VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 1 Pack 2 Carton 3 Buy Both Packs and Cartons	1030-1031

NAME	SIZE	DESCRIPTION	LOCATION
PTB6Bi	5	What price did you pay for the LAST PACK of cigarettes you bought? Please report the cost after using discounts or coupons. VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 00000:99999: Dollars (2 implied decimal places)	1032-1036
PTB6Ci	6	What price did you pay for the LAST CARTON of cigarettes you bought? Please report the cost after using discounts or coupons. VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 000000:099999: Dollars (2 implied decimal places)	1037-1042
PEB6C4	2	Did you use coupons, rebates, or any other special promotions when you bought your LAST (fill appropriate term here from B6a responses...=1 or 3 or D or R, fill "PACK"; =2, fill "CARTON") of cigarettes? VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1043-1044
PEB6D1	2	Did you buy your LAST (fill appropriate term here from B6a responses...=1 or 3 or D or R, fill "PACK"; =2, fill "CARTON") of cigarettes in state of residence or in some other state? VALID ENTRIES: -9 No Response -5 Bought Some Other Way (Internet, Other Country, Indian Reservation) -3 Refused -2 Don't Know -1 Not in Universe 1 In Respondent's State of Residence 2 In Some Other State (Including DC)	1045-1046

NAME	SIZE	DESCRIPTION	LOCATION
PEB6D21	2	In what other state did you buy your LAST (fill appropriate term here from B6a responses ...= 1, 3, D or R, fill "PACK"; = 2, fill "CARTON") of cigarettes? VALID ENTRIES: -9 No response -3 Refused -2 Don't know -1 Not in universe 1 Alabama 2 Alaska 4 Arizona 5 Arkansas 6 California 8 Colorado 9 Connecticut 10 Delaware 11 District of Columbia 12 Florida 13 Georgia 15 Hawaii 16 Idaho 17 Illinois 18 Indiana 19 Iowa 20 Kansas 21 Kentucky 22 Louisiana 23 Maine 24 Maryland 25 Massachusetts 26 Michigan 27 Minnesota 28 Mississippi 29 Missouri 30 Montana 31 Nebraska 32 Nevada 33 New Hampshire 34 New Jersey 35 New Mexico 36 New York 37 North Carolina 38 North Dakota 39 Ohio 40 Oklahoma 41 Oregon 42 Pennsylvania 44 Rhode Island 45 South Carolina 46 South Dakota	1047-1048

NAME	SIZE	DESCRIPTION	LOCATION
		47 Tennessee 48 Texas 49 Utah 50 Vermont 51 Virginia 53 Washington 54 West Virginia 55 Wisconsin 56 Wyoming 57 United States (state unknown) 88 Not in the U.S.	
PEB6D3	2	Did you buy your LAST (fill appropriate term here from B6a responses...= 1, 3, D or R, fill "PACK"; = 2, fill "CARTON") of cigarettes from an Indian reservation? VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1049-1050
PEB6DOTH	2	Was the Other Way in which you purchased your LAST (fill appropriate term here from B6a responses ...= 1, 3, D or R, fill "PACK"; = 2 fill "CARTON") of cigarettes: FR: READ the FIRST THREE CHOICES (1) In a foreign country or a duty-free shop (2) From an Indian reservation OR (3) By mail-order, phone or internet (4) SOME OTHER WAY (NOT READ) VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 1 Foreign country 2 Indian reservation 3 Mail order phone 4 Other way	1051-1052

NAME	SIZE	DESCRIPTION	LOCATION
PEB6E1	2	In the LAST 2 months, have you bought any SINGLE or INDIVIDUAL cigarettes? FR: Respondent may refer to it as a “loosie” or “loose out of the pack” VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1053-1054
PEB6E31	2	Did you buy your LAST SINGLE or INDIVIDUAL cigarette in state of residence or in some other state or other country? VALID ENTRIES: -9 No Response -5 Bought some other way (internet, etc.) -3 Refused -2 Don't Know -1 Not in Universe 1 In respondent's state of residence 2 In some other state (including DC) 3 In another country	1055-1056
PRB6E32A	3	In what OTHER state or country did you buy your last SINGLE or individual cigarette? VALID ENTRIES: -9 No response -3 Refused -2 Don't know -1 Not in universe 1 Alabama 2 Alaska 4 Arizona 5 Arkansas 6 California 8 Colorado 9 Connecticut 10 Delaware 11 District of Columbia 12 Florida 13 Georgia 15 Hawaii 16 Idaho 17 Illinois 18 Indiana 19 Iowa 20 Kansas	1057-1059

NAME	SIZE	DESCRIPTION	LOCATION
		21 Kentucky	
		22 Louisiana	
		23 Maine	
		24 Maryland	
		25 Massachusetts	
		26 Michigan	
		27 Minnesota	
		28 Mississippi	
		29 Missouri	
		30 Montana	
		31 Nebraska	
		32 Nevada	
		33 New Hampshire	
		34 New Jersey	
		35 New Mexico	
		36 New York	
		37 North Carolina	
		38 North Dakota	
		39 Ohio	
		40 Oklahoma	
		41 Oregon	
		42 Pennsylvania	
		44 Rhode Island	
		45 South Carolina	
		46 South Dakota	
		47 Tennessee	
		48 Texas	
		49 Utah	
		50 Vermont	
		51 Virginia	
		53 Washington	
		54 West Virginia	
		55 Wisconsin	
		56 Wyoming	
		57 United States (state unknown)	
		66 Guam	
		73 Puerto Rico	
		78 U.S. Virgin Islands	
		96 Other U.S. Island Areas	
		100 Albania	
		102 Austria	
		103 Belgium	
		104 Bulgaria	
		105 Czechoslovakia	
		106 Denmark	
		108 Finland	
		109 France	
		110 Germany	
		116 Greece	
		117 Hungary	
		119 Ireland	
		120 Italy	
		126 Netherlands	

NAME	SIZE	DESCRIPTION	LOCATION
------	------	-------------	----------

127 Norway
 128 Poland
 129 Portugal
 130 Azores
 132 Romania
 134 Spain
 136 Sweden
 137 Switzerland
 138 United Kingdom
 139 England
 140 Scotland
 141 Wales
 142 Northern Ireland
 147 Yugoslavia
 148 Czech Republic
 149 Slovakia
 150 Bosnia & Herzegovina
 151 Croatia
 152 Macedonia
 154 Serbia
 156 Latvia
 157 Lithuania
 158 Armenia
 159 Azerbaijan
 160 Belarus
 161 Georgia
 162 Moldova
 163 Russia
 164 Ukraine
 165 USSR
 166 Europe, not specified
 167 Kosovo
 200 Afghanistan
 202 Bangladesh
 205 Myanmar (Burma)
 206 Cambodia
 207 China
 208 Cyprus
 209 Hong Kong
 210 India
 211 Indonesia
 212 Iran
 213 Iraq
 214 Israel
 215 Japan
 216 Jordan
 217 Korea
 220 South Korea
 222 Kuwait
 223 Laos
 224 Lebanon
 226 Malaysia

NAME	SIZE	DESCRIPTION	LOCATION
		229 Nepal	
		231 Pakistan	
		233 Philippines	
		235 Saudi Arabia	
		236 Singapore	
		238 Sri Lanka	
		239 Syria	
		240 Taiwan	
		242 Thailand	
		243 Turkey	
		246 Uzbekistan	
		247 Vietnam	
		248 Yemen	
		249 Asia, not specified	
		300 Bermuda	
		301 Canada	
		303 Mexico	
		310 Belize	
		311 Costa Rica	
		312 El Salvador	
		313 Guatemala	
		314 Honduras	
		315 Nicaragua	
		316 Panama	
		321 Antigua and Barbuda	
		323 Bahamas	
		324 Barbados	
		327 Cuba	
		328 Dominica	
		329 Dominican Republic	
		330 Grenada	
		332 Haiti	
		333 Jamaica	
		338 St. Kitts--Nevis	
		339 St. Lucia	
		340 St. Vincent and the Grenadines	
		341 Trinidad and Tobago	
		343 West Indies, not specified	
		360 Argentina	
		361 Bolivia	
		362 Brazil	
		363 Chile	
		364 Columbia	
		365 Ecuador	
		368 Guyana	
		369 Paraguay	
		370 Peru	
		372 Uruguay	
		373 Venezuela	
		374 South America, not specified	
		399 Americas, not specified	
		400 Algeria	

NAME	SIZE	DESCRIPTION	LOCATION
		407 Cameroon	
		408 Cape Verde	
		414 Egypt	
		416 Ethiopia	
		417 Eritrea	
		421 Ghana	
		427 Kenya	
		429 Liberia	
		436 Morocco	
		440 Nigeria	
		444 Senegal	
		447 Sierra Leone	
		448 Somalia	
		449 South Africa	
		451 Sudan	
		453 Tanzania	
		457 Uganda	
		461 Zimbabwe	
		462 Africa, not specified	
		501 Australia	
		508 Fiji	
		515 New Zealand	
		523 Tonga	
		527 Samoa	
		528 Oceania, not specified	
		555 Elsewhere	
PEB6E4	2	In the LAST 2 months, have you bought loose tobacco to roll-your-own cigarettes?	1060-1061
		VALID ENTRIES:	
		-9 No Response	
		-3 Refused	
		-2 Don't know	
		-1 Not in Universe	
		1 Yes	
		2 No	

NAME	SIZE	DESCRIPTION	LOCATION
PEB7C	2	For how long have you smoked EVERY DAY? FR: Read choices 1-4 (1) All or nearly all the years you have smoked (2) Most of the years you have smoked (3) Half of the years you have smoked, OR (4) Less than half the years you have smoked (5) IF VOLUNTEERED: LESS THAN ONE YEAR VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 All or nearly all the years you have smoked 2 Most of the years you have smoked 3 Half of the years you have smoked 4 Less than half the years you have smoked 5 Less than one year	1062-1063
PEB7C2	2	Have you EVER smoked MENTHOL cigarettes for 6 months or more? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1064-1065
PEB7C3	2	For how long (have you smoked/did you smoke) MENTHOL cigarettes? FR: READ CHOICES 1-4 (1) All or nearly all the years you have smoked (2) Most of the years you have smoked (3) half of the years you have smoked, OR (4) Less than half the years you have smoked. (5) IF VOLUNTEERED: LESS THAN ONE YEAR VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 All or nearly all the years you have smoked 2 Most of the years you have smoked 3 Half of the years you have smoked 4 Less than half the years you have smoked 5 Less than one year	1066-1067

NAME	SIZE	DESCRIPTION	LOCATION
PEB8	2	Around this time 12 MONTHS AGO, were you smoking cigarettes every day, some days, or not at all? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Every day 2 Some days 3 Not at all	1068-1069
PTB9i	3	Around this time 12 MONTHS AGO, on the average, about how many cigarettes did you smoke each day? FR: One pack usually equals 20 cigarettes. If converting packs to cigarettes, always verify calculation with respondent. Enter number of cigarettes per day (1-99). VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1:99 Number of Cigarettes	1070-1072
PEB10A	2	Around this time 12 MONTHS AGO, on how many of the 30 days in the month did you smoke cigarettes? FR: Enter 0 for none. Range 0-30 VALID ENTRIES: -9 No Response -5 None -3 Refused -2 Don't know -1 Not in Universe 1-30 Number of Days	1073-1074
PTB10Bi	3	On the average, on those (Fill entry B10a) days, how many cigarettes did you usually smoke each day? FR: We are still talking about around this time 12 months ago VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1:99 Number of Cigarettes	1075-1077

NAME	SIZE	DESCRIPTION	LOCATION
PEC1	2	On how many of the past 30 days did you smoke cigarettes? FR: Enter (0) for none. VALID ENTRIES: -9 No Response -5 None -3 Refused -2 Don't know -1 Not in Universe 1:30 Number of Days	1078-1079
PEC1I	2	Would you say you smoked on AT LEAST 12 DAYS in the past 30 days? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1080-1081
PTC1A ⁱ	3	On the average, on those (fill entry C1) days, how many cigarettes did you usually smoke each day? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 0:99 Number of cigarettes	1082-1084
PEC2	2	Do you usually smoke menthol or non-menthol cigarettes? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Menthol 2 Non menthol 3 No Usual Type	1085-1086

NAME	SIZE	DESCRIPTION	LOCATION
PEC5ANUM	2	On the days that you smoke, how soon after you wake up do you typically smoke your first cigarette of the day? FR: IF necessary, ask for best answer in minutes or hours. Enter 0 if respondent insists it varies Enter Number: (0-99) VALID ENTRIES: -9 No Response -5 Varies -3 Refused -2 Don't know -1 Not in Universe 1-90 Number	1087-1088
PEC5AUNT	2	Enter minutes or hours VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Minutes 2 Hours	1089-1090
PEC5B	2	On the days that you smoke, would you say you smoke your first cigarette of the day within the first 30 minutes? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No 3 Varies	1091-1092
PECA6A	2	Do you USUALLY buy your own cigarettes? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1093-1094

NAME	SIZE	DESCRIPTION	LOCATION
PEC6A	2	Do you usually buy your cigarettes by the pack or by the carton? FR: A carton has 10 packs VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Pack 2 Carton 3 Buy Both Packs and Cartons	1095-1096
PTC6Bi	5	What price did you pay for the LAST PACK of cigarettes you bought? Please report the cost after using discounts or coupons. FR: Price Per Pack VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 00000:99999: Dollars (2 implied decimal places)	1097-1101
PTC6Ci	6	What price did you pay for the LAST CARTON of cigarettes you bought? Please report the cost after using discounts or coupons. FR: Price Per Carton VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 000000:999999: Dollars (2 implied decimal places)	1102-1107
PEC6C4	2	Did you use coupons, rebates, or any other special promotions when you bought your LAST LAST (pack/carton) of cigarettes? VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1108-1109

NAME	SIZE	DESCRIPTION	LOCATION
PEC6D1	2	Did you buy your LAST (pack/carton) of cigarettes in (fill respondent's state of residence] or in some other state? VALID ENTRIES: -9 No Response -5 Bought Some Other Way (Internet, Other Country, Indian Reservation) -3 Refused -2 Don't Know -1 Not in Universe 1 In Respondent's State of Residence 2 In Some Other State (Including DC)	1110-1111
PEC6D21	2	In what other state did you buy your LAST (pack/carton) of cigarettes? VALID ENTRIES: -9 No response -3 Refused -2 Don't know -1 Not in universe 1 Alabama 2 Alaska 4 Arizona 5 Arkansas 6 California 8 Colorado 9 Connecticut 10 Delaware 11 District of Columbia 12 Florida 13 Georgia 15 Hawaii 16 Idaho 17 Illinois 18 Indiana 19 Iowa 20 Kansas 21 Kentucky 22 Louisiana 23 Maine 24 Maryland 25 Massachusetts 26 Michigan 27 Minnesota 28 Mississippi 29 Missouri 30 Montana	1112-1113

NAME	SIZE	DESCRIPTION	LOCATION
		31 Nebraska	
		32 Nevada	
		33 New Hampshire	
		34 New Jersey	
		35 New Mexico	
		36 New York	
		37 North Carolina	
		38 North Dakota	
		39 Ohio	
		40 Oklahoma	
		41 Oregon	
		42 Pennsylvania	
		44 Rhode Island	
		45 South Carolina	
		46 South Dakota	
		47 Tennessee	
		48 Texas	
		49 Utah	
		50 Vermont	
		51 Virginia	
		53 Washington	
		54 West Virginia	
		55 Wisconsin	
		56 Wyoming	
		57 United States (state unknown)	
		88 Not in the U.S.	
PEC6D3	2	Did you buy your LAST (pack/carton) of cigarettes from an Indian reservation?	1114-1115
		VALID ENTRIES:	
		-9 No Response	
		-3 Refused	
		-2 Don't Know	
		-1 Not in Universe	
		1 Yes	
		2 No	

NAME	SIZE	DESCRIPTION	LOCATION
PEC6DOTH		Was the “Other Way” in which you purchased your LAST (pack/carton) of cigarettes... FR: READ THE FIRST THREE CHOICES (1) In a foreign country or a duty-free shop (2) From an Indian reservation or (3) By mail-order, phone or internet (4) SOME OTHER WAY (NOT READ) VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 1 In a foreign country or a duty-free shop 2 From an Indian reservation 3 By mail-order, phone or internet 4 Some other way	1116-1117
PEC6E1	2	In the LAST 2 months, have you bought any SINGLE or INDIVIDUAL cigarettes? FR: Respondent may refer to it as a “loosie” or “loose out of the pack” VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes, bought 2 No, did not buy	1118-1119
PEC6E31	2	Did you buy your LAST SINGLE or INDIVIDUAL cigarette in (fill respondent’s state of residence) or in some other state or other country? VALID ENTRIES: -9 No Response -5 Bought some other way (Internet, etc.) -3 Refused -2 Don't Know -1 Not in Universe 1 In respondent’s state of residence 2 In some other state (including DC) 3 In another country	1120-1121

NAME	SIZE	DESCRIPTION	LOCATION
PRC6E32A	3	In what OTHER state or other country did you buy your LAST SINGLE OR INDIVIDUAL cigarette?	1122-1124
		VALID ENTRIES:	
		-9 No response	
		-3 Refused	
		-2 Don't know	
		-1 Not in universe	
		1 Alabama	
		2 Alaska	
		4 Arizona	
		5 Arkansas	
		6 California	
		8 Colorado	
		9 Connecticut	
		10 Delaware	
		11 District of Columbia	
		12 Florida	
		13 Georgia	
		15 Hawaii	
		16 Idaho	
		17 Illinois	
		18 Indiana	
		19 Iowa	
		20 Kansas	
		21 Kentucky	
		22 Louisiana	
		23 Maine	
		24 Maryland	
		25 Massachusetts	
		26 Michigan	
		27 Minnesota	
		28 Mississippi	
		29 Missouri	
		30 Montana	
		31 Nebraska	
		32 Nevada	
		33 New Hampshire	
		34 New Jersey	
		35 New Mexico	
		36 New York	
		37 North Carolina	
		38 North Dakota	
		39 Ohio	
		40 Oklahoma	
		41 Oregon	
		42 Pennsylvania	
		44 Rhode Island	
		45 South Carolina	
		46 South Dakota	
		47 Tennessee	
		48 Texas	

NAME	SIZE	DESCRIPTION	LOCATION
		49 Utah	
		50 Vermont	
		51 Virginia	
		53 Washington	
		54 West Virginia	
		55 Wisconsin	
		56 Wyoming	
		57 United States (state unknown)	
		66 Guam	
		73 Puerto Rico	
		78 U.S. Virgin Islands	
		96 Other U.S. Island Areas	
		100 Albania	
		102 Austria	
		103 Belgium	
		104 Bulgaria	
		105 Czechoslovakia	
		106 Denmark	
		108 Finland	
		109 France	
		110 Germany	
		116 Greece	
		117 Hungary	
		119 Ireland	
		120 Italy	
		126 Netherlands	
		127 Norway	
		128 Poland	
		129 Portugal	
		130 Azores	
		132 Romania	
		134 Spain	
		136 Sweden	
		137 Switzerland	
		138 United Kingdom	
		139 England	
		140 Scotland	
		141 Wales	
		142 Northern Ireland	
		147 Yugoslavia	
		148 Czech Republic	
		149 Slovakia	
		150 Bosnia & Herzegovina	
		151 Croatia	
		152 Macedonia	
		154 Serbia	
		156 Latvia	
		157 Lithuania	
		158 Armenia	
		159 Azerbaijan	
		160 Belarus	
		161 Georgia	
		162 Moldova	

NAME	SIZE	DESCRIPTION	LOCATION
		163 Russia	
		164 Ukraine	
		165 USSR	
		166 Europe, not specified	
		167 Kosovo	
		200 Afghanistan	
		202 Bangladesh	
		205 Myanmar (Burma)	
		206 Cambodia	
		207 China	
		208 Cyprus	
		209 Hong Kong	
		210 India	
		211 Indonesia	
		212 Iran	
		213 Iraq	
		214 Israel	
		215 Japan	
		216 Jordan	
		217 Korea	
		220 South Korea	
		222 Kuwait	
		223 Laos	
		224 Lebanon	
		226 Malaysia	
		229 Nepal	
		231 Pakistan	
		233 Philippines	
		235 Saudi Arabia	
		236 Singapore	
		238 Sri Lanka	
		239 Syria	
		240 Taiwan	
		242 Thailand	
		243 Turkey	
		246 Uzbekistan	
		247 Vietnam	
		248 Yemen	
		249 Asia, not specified	
		300 Bermuda	
		301 Canada	
		303 Mexico	
		310 Belize	
		311 Costa Rica	
		312 El Salvador	
		313 Guatemala	
		314 Honduras	
		315 Nicaragua	
		316 Panama	
		321 Antigua and Barbuda	
		323 Bahamas	
		324 Barbados	

NAME	SIZE	DESCRIPTION	LOCATION
		327 Cuba	
		328 Dominica	
		329 Dominican Republic	
		330 Grenada	
		332 Haiti	
		333 Jamaica	
		338 St. Kitts--Nevis	
		339 St. Lucia	
		340 St. Vincent and the Grenadines	
		341 Trinidad and Tobago	
		343 West Indies, not specified	
		360 Argentina	
		361 Bolivia	
		362 Brazil	
		363 Chile	
		364 Columbia	
		365 Ecuador	
		368 Guyana	
		369 Paraguay	
		370 Peru	
		372 Uruguay	
		373 Venezuela	
		374 South America, not specified	
		399 Americas, not specified	
		400 Algeria	
		407 Cameroon	
		408 Cape Verde	
		414 Egypt	
		416 Ethiopia	
		417 Eritrea	
		421 Ghana	
		427 Kenya	
		429 Liberia	
		436 Morocco	
		440 Nigeria	
		444 Senegal	
		447 Sierra Leone	
		448 Somalia	
		449 South Africa	
		451 Sudan	
		453 Tanzania	
		457 Uganda	
		461 Zimbabwe	
		462 Africa, not specified	
		501 Australia	
		508 Fiji	
		515 New Zealand	
		523 Tonga	
		527 Samoa	
		528 Oceania, not specified	
		555 Elsewhere	

NAME	SIZE	DESCRIPTION	LOCATION
PEC6E4	2	In the LAST 2 months, have you bought loose tobacco to roll-your-own cigarettes? VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1125-1126
PEC7A	2	Have you EVER smoked cigarettes EVERY DAY for at least 6 months? VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1127-1128
PEC7D	2	For how long did you smoke EVERY DAY? FR: Read Choices 1-4 (1) All or nearly all the years you have smoked (2) Most of the years you have smoked (3) Half of the years you have smoked, OR (4) Less than half the years you have smoked (5) IF VOLUNTEERED: LESS THAN ONE YEAR VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 All or nearly all the years you have smoked 2 Most of the years you have smoked 3 Half of the years you have smoked 4 Less than half the years you have smoked 5 Less than one year	1129-1130
PEC7D2	2	Have you EVER smoked MENTHOL cigarettes for 6 months or more? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1131-1132

NAME	SIZE	DESCRIPTION	LOCATION
PEC7D3		For how long (have you smoked/did you smoke) MENTHOL cigarettes? FR: READ CHOICES 1-4 (1) All or nearly all the years you have smoked (2) Most of the years you have smoked (3) Half of the years you have smoked, OR (4) Less than half the years you have smoked (5) IF VOLUNTEERED: LESS THAN ONE YEAR VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 All or nearly all the years you have smoked 2 Most of the years you have smoked 3 Half of the years you have smoked 4 Less than half the years you have smoked 5 Less than one year	1133-1134
PTC7Ei	2	When you last smoked every day, on average how many cigarettes did you smoke each day? FR: Enter number of cigarettes each day (1-99) VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1:99: Number of Cigarettes	1135-1136
PEC8	2	Around this time 12 MONTHS AGO, were you smoking cigarettes every day, some days, or not at all? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Every day 2 Some days 3 Not at all	1137-1138

NAME	SIZE	DESCRIPTION	LOCATION
PTC9i	3	Around this time 12 MONTHS AGO, on the average, about how many cigarettes did you smoke each day? FR: One pack usually equals 20 cigarettes. If converting packs to cigarettes, always verify calculation with respondent. Enter number of cigarettes per day (1-99). VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1:99 Number of Cigarettes	1139-1141
PEC10A	2	Around this time 12 MONTHS AGO, on how many of the 30 days in the month did you smoke cigarettes? FR: Enter (0) for none. Range 0-30 VALID ENTRIES: -9 No Response -5 None -3 Refused -2 Don't know -1 Not in Universe 1-30 Number of Days	1142-1143
PTC10Bi	3	On the average, on those (fill entry C10a), how many cigarettes did you usually smoke each day? FR: We are still talking about around this time 12 months ago. VALID ENTRIES: -9 No Response -5 None -3 Refused -2 Don't know -1 Not in Universe 1-99 Number of Cigarettes	1144-1146
PEDA	2	During the PAST 12 MONTHS, have you TRIED to QUIT smoking COMPLETELY? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1147-1148

NAME	SIZE	DESCRIPTION	LOCATION
PEDB	2	Have you EVER TRIED to QUIT smoking COMPLETELY? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1149-1150
PED1R	2	During the past 12 months, have you stopped smoking for one day or longer BECAUSE YOU WERE TRYING TO QUIT SMOKING? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1151-1152
PED3	2	How many TIMES during the past 12 months have you stopped smoking for one day or longer BECAUSE YOU WERE TRYING TO QUIT SMOKING? READ CHOICES (1) Once (1 time) (2) 2-3 times (3) 4 or more times VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Once (1 time) 2 2-3 times 3 4 or more times	1153-1154
PED3B	2	Would you say that during the past 12 months it was MORE THAN 3 TIMES that you...<i>[fill</i> “have stopped smoking for one day or longer BECAUSE YOU WERE TRYING TO QUIT SMOKING?” IF D3 = D, R; <i>fill</i> “TRIED to QUIT smoking COMPLETELY?” IF Da = 1] VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1155-1156

NAME	SIZE	DESCRIPTION	LOCATION
PED6NUM	2	During the PAST 12 MONTHS, what is the LENGTH of time of this single quit attempt where you stopped smoking because you were TRYING to quit smoking? FR NOTE: IF QUIT ATTEMPT BEGAN MORE THAN 12 MONTHS AGO BUT ENDED WITHIN THE PAST 12 MONTHS, COUNT ALL OF IT. ENTER NUMBER (1 - 99) VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1-90 Number of	1157-1158
PED6UNT	2	Enter unit reported: days, weeks, months, year VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Days 2 Weeks 3 Months 4 Years	1159-1160
PED6B	2	Was it more or less than one week? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 More 2 Less 3 One week	1161-1162
PED6CNUM	2	Thinking of those attempts during the past 12 months, what was the length of time of the ONE attempt that lasted the longest? FR NOTE: IF QUIT ATTEMPT BEGAN MORE THAN 12 MONTHS AGO BUT ENDED WITHIN THE PAST 12 MONTHS, COUNT ALL OF IT. ENTER NUMBER (1 - 99) VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1-90 Number of	1163-1164

NAME	SIZE	DESCRIPTION	LOCATION
PED6CUNT	2	Enter unit reported: days, weeks, months, year VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Days 2 Weeks 3 Months 4 Years	1165-1166
PED6C2	2	Was it more or less than one week? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 More 2 Less 3 One week	1167-1168
PED7R	2	DURING THE PAST 12 MONTHS, have you made a serious attempt to stop smoking because you were TRYING to quit - even if you stopped for less than a day? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1169-1170
PED8R	2	Have you EVER made a serious attempt to stop smoking because you were TRYING to quit – even if you stopped for less than a day? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1171-1172

NAME	SIZE	DESCRIPTION	LOCATION
PEE1A123	2	Thinking back to the (LAST TIME/time) you tried to QUIT smoking in the past 12 months: Did you use ANY of the following PRODUCTS: A NICOTINE ... patch, gum, lozenge, nasal spray or inhaler? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1173-1174
PEE1A7AB	2	Thinking back to the (LAST TIME/time) you tried to QUIT smoking in the past 12 months: Did you use ANY of the following PRODUCTS: A prescription pill, called Chantix, Varenicline, Zyban, Bupropion, or Wellbutrin VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1175-1176
PEE1B1	2	Thinking back to the (LAST TIME/time) you tried to QUIT smoking in the past 12 months: Did you use ANY of the following: A telephone help line or quit line? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1177-1178

NAME	SIZE	DESCRIPTION	LOCATION
PEE1B2	2	Thinking back to the (LAST TIME/time) you tried to QUIT smoking in the past 12 months: Did you use ANY of the following: One-on-one IN-PERSON counseling by a health professional VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1179-1180
PEE1B3	2	Thinking back to the (LAST TIME/time) you tried to QUIT smoking in the past 12 months: Did you use ANY of the following: A stop smoking clinic, class, or support group VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1181-1182
PEE1B5	2	Thinking back to the (LAST TIME/time) you tried to QUIT smoking in the past 12 months: Did you use ANY of the following: Internet or a web-based program or tool including smartphone apps and text messaging programs? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1183-1184

NAME	SIZE	DESCRIPTION	LOCATION
PEE1C2C	2	The (LAST TIME / time) you tried to QUIT smoking in the past 12 months: Did you do ANY of the following: Try to quit by SWITCHING to electronic or E-cigarettes? You may also know them as vape-pens, e-hookahs, vapes or mods. Some popular brands include NJOY, Blu, Logic, Vuse and JUUL (<i>PRONOUNCED LIKE "JEWEL"</i>). VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1185 - 1186
PEE1C2	2	The (LAST TIME / time) you tried to QUIT smoking in the past 12 months: Did you do ANY of the following: Try to quit by SWITCHING to smokeless tobacco such as chewing tobacco, snuff or snus? FR NOTE: Snus is pronounced as snoose, rhymes with goose. VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1187 - 1188
PEE1C2E	2	Try to quit by SWITCHING to nicotine pouches? These are different from other smokeless tobacco products because they do not contain any tobacco leaf. These small whit pouches contain nicotine which users place in their mouth. Some popular brands include Zyn (<i>PRONOUNCED "zin"</i>), ON!, Rogue, or Velo (<i>PRONOUNCED "vee-low"</i>). -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1189 - 1190

NAME	SIZE	DESCRIPTION	LOCATION
PEE1C2B	2	The (LAST TIME / time) you tried to QUIT smoking in the past 12 months: Did you do ANY of the following: Try to quit by SWITCHING to regular cigars, cigarillos, little filtered cigars or any pipes filled with tobacco? FR NOTE: If asked any pipes filled with tobacco includes either or both regular/traditional pipes and water or hookah pipes - as long as they are filled with tobacco. VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1191 - 1192
PEE1C2D1	2	Did you switch to? Cigars, cigarillos, little filtered cigars. VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1193 - 1194
PEE1C2D2	2	Did you switch to? Regular pipes filled with tobacco. VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1195 - 1196
PEE1C2D3	2	Did you switch to? Water or hookah (pronounced who-kah) pipes filled with tobacco. VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1197 - 1198

NAME	SIZE	DESCRIPTION	LOCATION
PEF1A	2	In the PAST 12 MONTHS have you SEEN a medical doctor? FR NOTE: Respondents should answer YES if they visited their doctor for any medical reason (not only for smoking related reasons). VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1199 - 1200
PEF1B	2	During the PAST 12 MONTHS, did any medical doctor ADVISE you to stop smoking? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1201 - 1202
PEG1	2	Are you seriously considering quitting smoking within the next 6 months? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1203 - 1204
PEG2	2	Are you planning to quit within the next 30 days? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1205 - 1206

NAME	SIZE	DESCRIPTION	LOCATION
PEG3	2	Overall, on a scale from 1 to 10 where 1 is NOT AT ALL interested and 10 is EXTREMELY interested, how interested are you in quitting smoking? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1:10 Number	1207 - 1208
PEG4	2	If you did try to quit smoking altogether in the next 6 months, how LIKELY do you think you would be to succeed-----not at all, a little likely, somewhat likely or very likely? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Not at all 2 A little likely 3 Somewhat likely 4 Very likely	1209 - 1210
PEH1NUM		About how long has it been since you COMPLETELY quit smoking cigarettes? Enter Number. 1-99 VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1:99 Number	1211-1212
PEH1UNT	2	Enter Unit Reported. VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Days 2 Weeks 3 Months 4 Years	1213-1214

NAME	SIZE	DESCRIPTION	LOCATION
PEH1B	2	In the PAST 12 months, was [duration from H1NUM/UNT] the longest time you stopped smoking cigarettes because you were trying to quit? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1215-1216
PEH1CNUM	2	During the PAST 12 MONTHS, what WAS the LONGEST length of time you stopped smoking because you were TRYING to quit smoking? OR Thinking of your attempts to quit during the past 12 months, what was the length of time of the ONE attempt that lasted the longest? Enter Number. 1-99 VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1:99 Number	1217-1218
PEH1CUNT	2	Enter Unit Reported. VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Days 2 Weeks 3 Months 4 Years	1219-1220
PEH2	2	Have you EVER smoked cigarettes EVERY DAY for at least 6 months? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1221-1222

NAME	SIZE	DESCRIPTION	LOCATION
PEH5	2	For how long did you smoke EVERY DAY? FR: READ FIRST 4 CHOICES (1) All or nearly all the years you have smoked (2) Most of the years you have smoked (3) Half of the years you have smoked, or (4) Less than half the years you have smoked (5) IF VOLUNTEERED: LESS THAN ONE YEAR VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 All or nearly all the years you have smoked 2 Most of the years you have smoked 3 Half of the years you have smoked 4 Less than half the years you have smoked 5 Less than one year (if volunteered)	1223-1224
PTH5A	2	When you last smoked every day, on average how many cigarettes did you smoke each day? FR: Enter Number of Cigarettes A Day. (1-99) VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1:99 Number of Cigarettes	1225-1226
PEH6	2	Around this time 12 MONTHS AGO, were you smoking cigarettes every day, some days, or not at all? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Every day 2 Some days 3 Not at all	1227-1228

NAME	SIZE	DESCRIPTION	LOCATION
PTH6A	2	Around this time 12 MONTHS AGO, on the average, about how many cigarettes did you smoke each day? FR: One pack usually equals 20 Cigarettes. If converting packs to Cigarettes, always verify calculation with respondent. Enter Number of Cigarettes Per Day: 1-99 VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1:99 Number of Cigarettes	1229-1230
PEH6B	2	Around this time 12 MONTHS AGO, on how many of 30 days in the month did you smoke cigarettes? Enter 0 for None VALID ENTRIES: -9 No Response -5 None -3 Refused -2 Don't know -1 Not in Universe 1:30 Number of days	1231-1232
PTH6C	2	On the average, on those (fill H6B entry) days, how many cigarettes did you usually smoke each day? FR: We are still talking about "around this time 12 months ago." VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1:99 Number of cigarettes	1233-1234
PEH6C2	2	Thinking back to the 12 MONTHS BEFORE YOU QUIT SMOKING CIGARETTES, during that time, did you usually smoke menthol or non-menthol cigarettes? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Menthol 2 Non menthol 3 No Usual Type	1235-1236

NAME	SIZE	DESCRIPTION	LOCATION
PEH6C4	2	Have you EVER smoked MENTHOL cigarettes for 6 months or more? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1237-1238
PEH6C5	2	For how long did you smoke MENTHOL cigarettes? Read choices 1-4 (1) All or nearly all the years you have smoked (2) Most of the years you have smoked (3) Half of the years you have smoked, or (4) Less than half the years you have smoked (5) IF VOLUNTEERED: LESS THAN ONE YEAR VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 All or nearly all the years you have smoked 2 Most of the years you have smoked 3 Half of the years you have smoked 4 Less than half the years you have smoked 5 Less than one year (if volunteered)	1239-1240
PEH6D123	2	Now I would like to ask about HOW you went about completely quitting smoking. When you quit smoking completely, did you use ANY of the following PRODUCTS: A NICOTINE...patch, gum, lozenge, nasal spray or inhaler? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1241-1242

NAME	SIZE	DESCRIPTION	LOCATION
PEH6D7AB	2	Now I would like to ask about HOW you went about completely quitting smoking. When you quit smoking completely, did you use ANY of the following PRODUCTS: A prescription pill, called Chantix, Varenicline, Zyban, Bupropion, or Wellbutrin? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1243-1244
PEH6E1	2	When you quit smoking completely, did you use ANY of the following: A telephone help line or quit line? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1245-1246
PEH6E2	2	When you quit smoking completely, did you use ANY of the following: One-on-one IN-PERSON counseling by a health professional? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1247-1248

NAME	SIZE	DESCRIPTION	LOCATION
PEH6E3	2	When you quit smoking completely, did you use ANY of the following: A stop smoking clinic, class, or support group? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1249-1250
PEH6E5	2	When you quit smoking completely, did you use ANY of the following: Internet or a web-based program or tool including smartphone apps and text messaging programs? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1251-1252
PEH6FA2C	2	When you quit smoking completely, did you do ANY of the following whether or not you think they were effective? Try to quit by SWITCHING to electronic or E-cigarettes? You may also know them as vape-pens, e-hookahs, vapes or mods. Some popular brands include NJOY, Blu, Logic, Vuse and JUUL (<i>PRONOUNCED LIKE "JEWEL"</i>). VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1253 - 1254

NAME	SIZE	DESCRIPTION	LOCATION
PEH6FA2	2	When you quit smoking completely, did you do ANY of the following, whether or not you think they were effective? Try to quit by SWITCHING to smokeless tobacco such as chewing tobacco, snuff, or snus? FR: Pronounce “SNUS” to rhyme with “GOOSE” VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1255 - 1256
PEH6FA2E	2	Try to quit by SWITCHING to nicotine pouches? These are different from other smokeless tobacco products because they do not contain any tobacco leaf. These small whit pouches contain nicotine which users place in their mouth. Some popular brands include Zyn (PRONOUNCED “zin”), ON!, Rogue, or Velo (PRONOUNCED “vee-low”). VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1257 - 1258
PEH6FA2B	2	When you quit smoking completely, did you do ANY of the following whether or not you think they were effective? Try to quit by SWITCHING to regular cigars, cigarillos, little filtered cigars or ANY pipes filled with tobacco? FR Note: If asked any pipes filled with tobacco includes either or both regular/traditional pipes and water or hookah pipes -- as long as they are filled with tobacco. VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1259 - 1260

NAME	SIZE	DESCRIPTION	LOCATION
PEH6FA2D1	2	Did you switch to? Cigars, cigarillos, little filtered cigars. VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1261 - 1262
PEH6FA2D2	2	Did you switch to? Regular pipes filled with tobacco. VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1263 - 1264
PEH6FA2D3	2	Did you switch to? Water or hookah (pronounced who-kah) pipes filled with tobacco. VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1265 - 1266
PEH61A	2	In the 12 MONTHS BEFORE you COMPLETELY quit smoking, did you SEE a medical doctor? FR NOTE: Respondents should answer YES if they visited their doctor for any medical reason (not only for smoking related reasons). VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1267-1268

NAME	SIZE	DESCRIPTION	LOCATION
PEH61B	2	During the 12 MONTHS BEFORE you completely quit smoking, did any medical doctor ADVISE you to stop smoking? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No	1269-1270
PEH8ANUM	2	During the 12 MONTHS before you quit smoking, how soon after you woke up did you typically smoke your first cigarette of the day? FR: If necessary, ask for best answer in minutes or hours. Enter 0 if respondent insists it varies. VALID ENTRIES: -9 No Response -5 Varies -3 Refused -2 Don't know -1 Not in Universe 1:90 Number of	1271-1272
PEH8AUNT	2	Enter unit reported VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Minutes 2 Hours	1273-1274
PEH8B	2	During the 12 months before you quit smoking, would you say you smoked your first cigarette of the day within the first 30 minutes of awakening? VALID ENTRIES: -9 No Response -3 Refused -2 Don't know -1 Not in Universe 1 Yes 2 No 3 Varies	1275-1276

NAME	SIZE	DESCRIPTION	LOCATION
PEH11A	2	Thinking back to the 12 MONTHS BEFORE YOU COMPLETELY QUIT SMOKING CIGARETTES. During that time, DID YOU USUALLY SMOKE menthol or non-menthol cigarettes? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Menthol 2 Non menthol 3 No Usual Type	1277-1278
PEH11C	2	Have you EVER smoked MENTHOL cigarettes for 6 months or more? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1279-1280
PEH11D	2	For how long did you smoke MENTHOL cigarettes? FR: READ FIRST 4 CHOICES (1) All or nearly all the years you have smoked (2) Most of the years you have smoked (3) Half of the years you have smoked, or (4) Less than half the years you have smoked (5) IF VOLUNTEERED: LESS THAN ONE YEAR VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 All or nearly all the years you have smoked 2 Most of the years you have smoked 3 Half of the years you have smoked 4 Less than half the years you have smoked 5 Less than one year (if volunteered)	1281-1282

NAME	SIZE	DESCRIPTION	LOCATION
PEJ1A1	2	(Have/Has) (you/name) EVER used any of the following EVEN ONE TIME? ... A regular cigar or cigarillo OR a little filtered cigar? FR: Regular cigars are different from little filter cigars. They can be large cigars, or smaller in size such as cigarillos. They are usually sold individually or in packs of 2 or 3. Some common brands are Black and Mild's, Swisher Sweets Cigarillos, and Phillies Blunts, but there are others. FR: Little filtered cigars are different from regular cigars and cigarillos. They resemble cigarettes in size, and are often sold in packs of 20. They are usually brown in color and have a spongy filter like a cigarette. Some common brands are Prime Time little filter cigars and Winchester little filter cigars, but there are others. VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1283-1284
PEJ1A2	2	(Have/Has) (you/name) EVER used any of the following EVEN ONE TIME? ... A regular pipe filled with tobacco? FR: IF ASKED, pipe smoking ONLY INCLUDES PIPE TOBACCO. IT DOES NOT INCLUDE SMOKING HASHISH, MARIJUANA, CRACK, OR OTHER SUBSTANCES IN A PIPE. DO NOT INCLUDE WATER PIPES/HOOKAHS (who-kahs) OR OTHER NAMES: SHISHA, NARGHILE, ARGILEH OR HUBBLE-BUBBLE. VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1285-1286

NAME	SIZE	DESCRIPTION	LOCATION
PEJ1A3	2	(Have/Has) (you/name) EVER used any of the following EVEN ONE TIME? ... a water pipe or hookah (who-kah) pipe filled with tobacco? FR: IF ASKED, water pipe or hookah (who-kah) pipe smoking ONLY INCLUDES PIPE TOBACCO. IT DOES NOT INCLUDE SMOKING HASHISH, MARIJUANA, CRACK, OR OTHER SUBSTANCES IN A PIPE. A WATER PIPE OR HOOKAH (who- kah) PIPE IS ALSO REFERRED TO AS A SHISHA, NARGHILE, ARGILEH OR HUBBLE-BUBBLE. VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1287-1288
PEJ1A3_5	2	The next question is about electronic or e-cigarettes. You may also know them as vape-pens, e-hookahs, vapes or mods. Some look like cigarettes, and others look like pens or are rectangular or box-shaped. These are battery-powered, usually contain liquid nicotine, and produce vapor instead of smoke. Some popular brands include NJOY, Blu, Logic, Vuse and JUUL (<i>PRONOUNCED LIKE "JEWEL"</i>). (Have/Has)(you/name) EVER used E-cigarettes EVEN ONE TIME? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1289-1290

NAME	SIZE	DESCRIPTION	LOCATION
PEJ1A4	2	The next question is about smokeless tobacco products which are used in the mouth. This includes moist snuff, dip, spit, chew tobacco, or snus. Some popular brand names include Grizzly, Skoal, Copenhagen, and Camel Snus, among others. Smokeless tobacco products do Not include nicotine pouches such as Zyn (PRONOUNCED “zin”), Rogue, On!, and Velo (PRONOUNCED “vee-low”) (Have/Has) (you/name) EVER used any of the following EVEN ONE TIME? ...SMOKELESS tobacco, such as moist snuff, dip, spit, chew tobacco or snus? FR: <u>Snuff or dip</u> IS COMMONLY PLACED BETWEEN THE GUM AND LIP AND SOLD IN ROUND CANS IN --A LOOSE FORM OR A POUCH THAT LOOKS LIKE A SMALL TEA-BAG; COMMON BRANDS ARE SKOAL, COPENHAGEN AND GRIZZLY BUT THERE ARE OTHERS. <u>Chewing or spit tobacco</u> (ALSO TWIST, PLUG OR SCRAP) IS USUALLY PLACED IN THE SIDE OF THE MOUTH AND CHEWED AND OFTEN SOLD IN WALLET-SIZED POUCHES; COMMON BRANDS ARE REDMAN, LEVI-GARRETT, AND BEECH-NUT, BUT THERE ARE OTHERS. <u>Snus</u> IS A SPITLESS TOBACCO PRODUCT THAT MAY BE SOLD IN A TIN OR SLIDEPACK IN A LOOSE FORM OR IN SMALL TEABAG-LIKE POUCHES; COMMON BRANDS ARE CAMEL SNUS, MARLBORO SNUS, AND SKOAL SNUS. VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1291-1292
PEJ1A5r	2	The next question is about nicotine pouches. These are different from other smokeless tobacco products because they do not contain any tobacco leaf. These small white pouches contain nicotine which users place in their mouth. Some popular brand names include Zyn (PRONOUNCED “zin”), Rogue, ON!, or Velo (PRONOUNCED “vee-low”). (Have/Has)(you/name) EVER used a nicotine pouch EVEN ONE TIME? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No 3 Never heard of it	1293-1294

NAME	SIZE	DESCRIPTION	LOCATION
PEJ1A6	2	The next question is about heated tobacco products. Some people refer to these as “heat-not-burn” tobacco products. These heat TOBACCO STICKS or CAPSULES to produce a vapor. They are different from e-cigarettes, which heat a LIQUID to produce a vapor. Some brands of heated tobacco products include iQOS (PRONOUNCED “eye-kos”), glo (PRONOUNCED “glow”), and Eclipse. (Have/Has)(you/name) ever tried a “heated tobacco product”, EVEN ONE TIME? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1295 - 1296
PEJ2A1	2	(Do you/Does name) NOW smoke regular cigars or cigarillos or little filtered cigars every day, some days or not at all? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Everyday 2 Some days 3 Not at all	1297 - 1298
PEJ2B1	2	On how many of the past 30 days did you smoke regular cigars or cigarillos or little filtered cigars? Enter number of days. Enter (0) for none. VALID ENTRIES: -9 No response -5 None -3 Refused -2 Don't Know -1 Not in Universe 1:30 Number of Days	1299-1300

NAME	SIZE	DESCRIPTION	LOCATION
PEJ2A2	2	(Do you/Does name) NOW smoke a regular pipe every day, some days or not at all? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Everyday 2 Some days 3 Not at all	1301-1302
PEJ2B2	2	On how many of the past 30 days did you smoke a regular pipe? Enter number of days. Enter (0) for none. VALID ENTRIES: -9 No response -5 None -3 Refused -2 Don't Know -1 Not in Universe 1:30 Number of Days	1303-1304
PEJ2A3	2	(Do you/Does name) NOW use a water pipe or hookah pipe filled with tobacco every day, some days or not at all? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Everyday 2 Some days 3 Not at all	1305-1306
PEJ2B3	2	On how many of the past 30 days did you use a water pipe or hookah pipe filled with tobacco? Enter number of days. Enter (0) for none. VALID ENTRIES: -9 No response -5 None -3 Refused -2 Don't Know -1 Not in Universe 1:30 Number of Days	1307-1308

NAME	SIZE	DESCRIPTION	LOCATION
PEJ2A3_5	2	(Do you/Does name) NOW use an E-cigarette every day, some days or not at all? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Everyday 2 Some days 3 Not at all	1309-1310
PEJ2B3_5	2	On how many of the past 30 days did you use an E-cigarette? Enter number of days. Enter (0) for none. VALID ENTRIES: -9 No response -5 None -3 Refused -2 Don't Know -1 Not in Universe 1:30 Number of Days	1311-1312
PEJ2A4	2	(Do you/Does name) NOW use smokeless tobacco such as moist snuff, dip, spit, chew tobacco or snus every day, some days or not at all? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Everyday 2 Some days 3 Not at all	1313-1314
PEJ2B4	2	On how many of the past 30 days did you use smokeless tobacco? Enter number of days. Enter (0) for none. VALID ENTRIES: -9 No response -5 None -3 Refused -2 Don't Know -1 Not in Universe 1:30 Number of Days	1315-1316

NAME	SIZE	DESCRIPTION	LOCATION
PEJ2A5r	2	(Do you/Does name) NOW use nicotine pouches every day, some days or not at all? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Everyday 2 Some days 3 Not at all	1317-1318
PEJ2B5r	2	On how many of the past 30 days did you use nicotine pouches? Enter number of days. Enter (0) for none. VALID ENTRIES: -9 No response -5 None -3 Refused -2 Don't Know -1 Not in Universe 1:30 Number of Days	1319-1320
PEJ2A6	2	(Do you/Does name) NOW use heated tobacco products every day, some days or not at all? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Everyday 2 Some days 3 Not at all	1321-1322
PEJ2B6	2	On how many of the past 30 days did you use heated tobacco products? Enter number of days. Enter (0) for none. VALID ENTRIES: -9 No response -5 None -3 Refused -2 Don't Know -1 Not in Universe 1:30 Number of Days	1323-1324

NAME	SIZE	DESCRIPTION	LOCATION
PEJB1	2	During the PAST 30 days, did you use regular/large cigars? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1325-1326
PEJB2	2	During the PAST 30 days, did you use cigarillos (in Spanish use "medium size cigars" instead of the word "cigarillos" here)? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1327-1328
PEJB3	2	During the PAST 30 days, did you use little filtered cigars? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1329-1330
PTJG	2	During the PAST 30 days, what BRAND of nicotine pouches did you use MOST OFTEN? FR: ENTER CODE FOR BRAND (1-9). ENTER 9 FOR OTHER BRAND NOT ON THE LIST. _ VALID ENTRIES: -9 No response -3 Refused -2 Don't Know 1 ZYN 2 ON! 3 VELO 4 ROGUE 5 RUSH 6 NIIN 7 FRÊ 8 BIDI POUCHES 9 OTHER	1331-1332

NAME	SIZE	DESCRIPTION	LOCATION
PEJNFLVIN	2	Some tobacco products come in flavors such as menthol or mint, clove, spice, fruit, chocolate, alcohol, or other flavors. VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Continue	1333-1334
PEJFLA1a1	2	During the past 30 days, when you smoked regular or large cigars, did you use menthol flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1335 - 1336
PEJFLA1a2	2	During the past 30 days, when you smoked regular or large cigars, did you use mint flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1337 – 1338
PTJFLA1a3	2	During the past 30 days, when you smoked regular or large cigars, did you use clove, spice, or herb flavor? (top coded – see TUS overview/Attachment 3a) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1339 – 1340

NAME	SIZE	DESCRIPTION	LOCATION
PEJFLA1a4	2	During the past 30 days, when you smoked regular or large cigars, did you use fruit flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1341 - 1342
PEJFLA1a5	2	During the past 30 days, when you smoked regular or large cigars, did you use alcohol drinks (such as wine or other cocktails) flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1343 - 1344
PEJFLA1a6	2	During the past 30 days, when you smoked regular or large cigars, did you use candy, dessert, or other sweets flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1345 - 1346
PEJFLA1a8	2	During the past 30 days, when you smoked regular or large cigars, did you use unflavored type? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1347 - 1348

NAME	SIZE	DESCRIPTION	LOCATION
PTJFLA1a9	2	During the past 30 days, when you smoked regular or large cigars, did you use some other type of flavor? (top coded – see TUS overview/Attachment 3a) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1349 - 1350
PEJFLA1b1	2	During the past 30 days, when you smoked cigarillos, did you use menthol flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1351 - 1352
PTJFLA1b2	2	During the past 30 days, when you smoked cigarillos, did you use mint flavor? (top coded – see TUS overview/Attachment 3a) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1353 - 1354
PTJFLA1b3	2	During the past 30 days, when you smoked cigarillos, did you use clove, spice, or herb flavor? (top coded – see TUS overview/Attachment 3a) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1355 - 1356

NAME	SIZE	DESCRIPTION	LOCATION
PEJFLA1b4	2	During the past 30 days, when you smoked cigarillos, did you use fruit flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1357 - 1358
PEJFLA1b5	2	During the past 30 days, when you smoked cigarillos, did you use alcohol drinks (such as wine or other cocktails) flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1359 - 1360
PEJFLA1b6	2	During the past 30 days, when you smoked cigarillos, did you use candy, dessert, or other sweets flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1361 - 1362
PEJFLA1b8	2	During the past 30 days, when you smoked cigarillos, did you use unflavored type? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1363 - 1364

NAME	SIZE	DESCRIPTION	LOCATION
PTJFLA1b9	2	During the past 30 days, when you smoked cigarillos, did you use some other type of flavor? (top coded – see TUS overview/Attachment 3a) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1365 - 1366
PEJFLA1c1	2	During the past 30 days, when you smoked little filtered cigars, did you use menthol flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1367 - 1368
PTJFLA1c2	2	During the past 30 days, when you smoked little filtered cigars, did you use mint flavor? (top coded – see TUS overview/Attachment 3a) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1369 - 1370
PEJFLA1c3	2	During the past 30 days, when you smoked little filtered cigars, did you use clove, spice, or herb flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1371 - 1372

NAME	SIZE	DESCRIPTION	LOCATION
PEJFLA1c4	2	During the past 30 days, when you smoked little filtered cigars, did you use fruit flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1373 - 1374
PTJFLA1c5	2	During the past 30 days, when you smoked little filtered cigars, did you use alcohol drinks (such as wine or other cocktails) flavor? (top coded – see TUS overview/Attachment 3a) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1375 - 1376
PEJFLA1c6	2	During the past 30 days, when you smoked little filtered cigars, did you use candy, dessert, or other sweets flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1377 - 1378
PEJFLA1c8	2	During the past 30 days, when you smoked little filtered cigars, did you use unflavored type? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1379 - 1380

NAME	SIZE	DESCRIPTION	LOCATION
PTJFLA1c9	2	During the past 30 days, when you smoked little filtered cigars, did you use some other type of flavor? (top coded – see TUS overview/Attachment 3a) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1381 - 1382
PEJFLA1d1	2	During the past 30 days, when you smoked a cigar, did you use menthol flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1383 - 1384
PEJFLA1d2	2	During the past 30 days, when you smoked a cigar, did you use mint flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1385 - 1386
PEJFLA1d3	2	During the past 30 days, when you smoked a cigar, did you use clove, spice, or herb flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1387 - 1388

NAME	SIZE	DESCRIPTION	LOCATION
PEJFLA1d4	2	During the past 30 days, when you smoked a cigar, did you use fruit flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1389 - 1390
PEJFLA1d5	2	During the past 30 days, when you smoked a cigar, did you use alcohol drinks (such as wine or other cocktails) flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1391 - 1392
PEJFLA1d6	2	During the past 30 days, when you smoked a cigar, did you use candy, dessert, or other sweets flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1393 - 1394
PEJFLA1d8	2	During the past 30 days, when you smoked a cigar, did you use unflavored type? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1395 - 1396

NAME	SIZE	DESCRIPTION	LOCATION
PEJFLA1d9	2	During the past 30 days, when you smoked a cigar, did you use some other type of flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1397 – 1398
PEJFLA21	2	During the past 30 days, when you smoked a regular pipe filled with tobacco, did you use menthol flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1399 – 1400
PTJFLA22	2	During the past 30 days, when you smoked a regular pipe filled with tobacco, did you use mint flavor? (top coded – see TUS overview/Attachment 3a) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1401 - 1402
PTJFLA23	2	During the past 30 days, when you smoked a regular pipe filled with tobacco, did you use clove, spice, or herb flavor? (top coded – see TUS overview/Attachment 3a) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1403 - 1404

NAME	SIZE	DESCRIPTION	LOCATION
PEJFLA24	2	During the past 30 days, when you smoked a regular pipe filled with tobacco, did you use fruit flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1405 - 1406
PTJFLA25	2	During the past 30 days, when you smoked a regular pipe filled with tobacco, did you use alcohol drinks (such as wine or other cocktails) flavor? (top coded – see TUS overview/Attachment 3a) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1407 - 1408
PTJFLA26	2	During the past 30 days, when you smoked a regular pipe filled with tobacco, did you use candy, dessert, or other sweets flavor? (top coded – see TUS overview/Attachment 3a) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1409 - 1410
PEJFLA28	2	During the past 30 days, when you smoked a regular pipe filled with tobacco, did you use unflavored type? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1411 - 1412

NAME	SIZE	DESCRIPTION	LOCATION
PTJFLA29	2	During the past 30 days, when you smoked a regular pipe filled with tobacco, did you use some other type of flavor? (top coded – see TUS overview/Attachment 3a) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1413 - 1414
PEJFLA31	2	During the past 30 days, when you smoked a water/hookah pipe filled with tobacco, did you use menthol flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1415 - 1416
PEJFLA32	2	During the past 30 days, when you smoked a water/hookah pipe filled with tobacco, did you use mint flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1417-1418
PEJFLA33	2	During the past 30 days, when you smoked a water/hookah pipe filled with tobacco, did you use clove, spice, or herb flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1419 - 1420

NAME	SIZE	DESCRIPTION	LOCATION
PEJFLA34	2	During the past 30 days, when you smoked a water/hookah pipe filled with tobacco, did you use fruit flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1421 - 1422
PTJFLA35	2	During the past 30 days, when you smoked a water/hookah pipe filled with tobacco, did you use alcohol drinks (such as wine or other cocktails) flavor? (top coded – see TUS overview/Attachment 3a) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1423 - 1424
PEJFLA36	2	During the past 30 days, when you smoked a water/hookah pipe filled with tobacco, did you use candy, dessert, or other sweets flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1425 - 1426
PEJFLA38	2	During the past 30 days, when you smoked a water/hookah pipe filled with tobacco, did you use unflavored type? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1427 - 1428

NAME	SIZE	DESCRIPTION	LOCATION
PTJFLA39	2	During the past 30 days, when you smoked a water/hookah pipe filled with tobacco, did you use some other type of flavor? (top coded – see TUS overview/Attachment 3a) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1429 - 1430
PEJFLA351	2	During the past 30 days, when you used e-cigarettes, did you use menthol flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1431 - 1432
PEJFLA352	2	During the past 30 days, when you used e-cigarettes, did you use mint flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1433 - 1434
PEJFLA353	2	During the past 30 days, when you used e-cigarettes, did you use clove, spice, or herb flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1435 - 1436

NAME	SIZE	DESCRIPTION	LOCATION
PEJFLA354	2	During the past 30 days, when you used e-cigarettes, did you use fruit flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1437 - 1438
PEJFLA355	2	During the past 30 days, when you used e-cigarettes, did you use alcohol drinks (such as wine or other cocktails) flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1439 - 1440
PEJFLA356	2	During the past 30 days, when you used e-cigarettes, did you use candy, dessert, or other sweets flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1441 - 1442
PEJFLA357	2	During the past 30 days, when you used e-cigarettes, did you use tobacco flavored? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1443 - 1444

NAME	SIZE	DESCRIPTION	LOCATION
PEJFLA358	2	During the past 30 days, when you used e-cigarettes, did you use unflavored type? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1445 - 1446
PEJFLA359	2	During the past 30 days, when you used e-cigarettes, did you use some other type of flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1447 - 1448
PEJFLA41	2	During the past 30 days, when you used smokeless tobacco, did you use menthol flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1449 - 1450
PEJFLA42	2	During the past 30 days, when you used smokeless tobacco, did you use mint flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1451 - 1452

NAME	SIZE	DESCRIPTION	LOCATION
PEJFLA43	2	During the past 30 days, when you used smokeless tobacco, did you use clove, spice, or herb flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1453 - 1454
PEJFLA44	2	During the past 30 days, when you used smokeless tobacco, did you use fruit flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1455 - 1456
PTJFLA45	2	During the past 30 days, when you used smokeless tobacco, did you use alcohol drinks (such as wine or other cocktails) flavor? (top coded – see TUS overview/Attachment 3a) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1457 - 1458
PEJFLA46	2	During the past 30 days, when you used smokeless tobacco, did you use candy, dessert, or other sweets flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1459 - 1460

NAME	SIZE	DESCRIPTION	LOCATION
PEJFLA48	2	During the past 30 days, when you used smokeless tobacco, did you use unflavored type? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1461 - 1462
PTJFLA49	2	During the past 30 days, when you used smokeless tobacco, did you use some other type of flavor? (top coded – see TUS overview/Attachment 3a) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1463 – 1464
PEJFLA5r1	2	During the past 30 days, when you used nicotine pouches, did you use menthol flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1465 – 1466
PEJFLA5r2	2	During the past 30 days, when you used nicotine pouches, did you use mint flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1467 - 1468

NAME	SIZE	DESCRIPTION	LOCATION
PEJFLA5r3	2	During the past 30 days, when you used nicotine pouches, did you use clove, spice, or herb flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1469 – 1470
PEJFLA5r4	2	During the past 30 days, when you used nicotine pouches, did you use fruit flavor? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1471 – 1472
PTJFLA5r5	2	During the past 30 days, when you used nicotine pouches, did you use alcohol drinks (such as wine or other cocktails) flavor? (top coded – see TUS overview/Attachment 3a) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1473 – 1474
PTJFLA5r6	2	During the past 30 days, when you used nicotine pouches, did you use candy, dessert, or other sweets flavor? (top coded – see TUS overview/Attachment 3a) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1475 – 1476

NAME	SIZE	DESCRIPTION	LOCATION
PTJFLA5r7	2	During the past 30 days, when you used nicotine pouches, did you use tobacco flavored? (top coded – see TUS overview/Attachment 3a) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1477 - 1478
PEJFLA5r8	2	During the past 30 days, when you used nicotine pouches, did you use unflavored type? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1479 - 1480
PTJFLA5r9	2	During the past 30 days, when you used nicotine pouches, did you use some other type of flavor? (top coded – see TUS overview/Attachment 3a) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1481 - 1482
PEJECIGRD	2	Do you use e-cigarettes to help you quit smoking cigarettes? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1483 - 1484

NAME	SIZE	DESCRIPTION	LOCATION
PEJECIG2	2	Which of the following best describes the type of e-cigarette you currently use? If you use more than one type, please think of the one you use most often. VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 A disposable e-cigarette 2 An e-cigarette that uses REPLACEABLE PREFILLED PODS OR CARTRIDGES 3 An e-cigarette with a TANK that you REFILL with LIQUIDS 4 A mod system 5 You don't know the type	1485 - 1486
PEJECIG3	2	Do you usually buy your own {e-cigarettes / e-cigarette pods or cartridges / e-liquid}? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1487 - 1488
PEJECIG4r	2	Where do you usually buy your own {e-cigarettes / e-cigarette pods or cartridges / e-liquid} VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 At a vape shop or vapor lounge 2 At a gas station or convenience store 3 On the internet 4 Some other way (Specify:)	1489 - 1490
PEJCOST1	2	Do you usually buy {e-cigarettes / e-cigarette pods or cartridges / bottles of e-liquid} by the box or pack, or as {single e-cigarettes / single e-cigarette pods or cartridges / a single bottle of e-liquid}? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Box or Pack 2 Singles	1491 - 1492

NAME	SIZE	DESCRIPTION	LOCATION
PTJCOST2	5	What price did you pay for the LAST BOX OR PACK of {e-cigarettes / e-cigarette pods or cartridges / bottles of e-liquid} you bought? Please report the cost after using discounts or coupons. VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 00000-99999 Price in dollars (2 implied decimal places)	1493 - 1497
PEJCOST3	3	How many {e-cigarettes / e-cigarette pods or cartridges / bottles of e-liquid} came in the LAST BOX OR PACK you bought? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1-99 Number of	1498 – 1500
PTJCOST4	5	What price did you pay for the LAST {e-cigarette / e-cigarette pod or cartridge / bottle of e-liquid} you bought? Please report the cost after using discounts or coupons. VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 00000-99999 Price in dollars (2 implied decimal places)	1501 - 1505
PEJCOST5	4	How many MILLILITERS of liquid were in a SINGLE bottle you LAST bought? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 000-999	1506 - 1509

NAME	SIZE	DESCRIPTION	LOCATION
PEJD11	2	About how long has it been since you COMPLETELY quit smoking cigars, cigarillos or little filter cigars? Enter number: (1-99) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1:99 Number of	1510 – 1511
PEJD21	2	Enter units: days, weeks, months, years VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Days 2 Weeks 3 Months 4 Years	1512 – 1513
PEJD12	2	About how long has it been since you COMPLETELY quit smoking a regular pipe filled with tobacco? Enter number: (1-99) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1:99 Number of	1514 – 1515
PEJD22	2	Enter units: days, weeks, months, years VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Days 2 Weeks 3 Months 4 Years	1516 – 1517

NAME	SIZE	DESCRIPTION	LOCATION
PEJD13	2	About how long has it been since you COMPLETELY quit smoking a water pipe or hookah pipe filled with tobacco? Enter number: (1-99) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1:99 Number of	1518 - 1519
PEJD23	2	Enter units: days, weeks, months, years VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Days 2 Weeks 3 Months 4 Years	1520 - 1521
PEJD13_5	2	About how long has it been since you COMPLETELY quit using E-cigarettes? Enter number: (1-99) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1:99 Number of	1522 - 1523
PEJD23_5	2	Enter units: days, weeks, months, years VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Days 2 Weeks 3 Months 4 Years	1524 - 1525

NAME	SIZE	DESCRIPTION	LOCATION
PEJD14	2	About how long has it been since you COMPLETELY quit using smokeless tobacco? Enter number: (1-99) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1:99 Number of	1526 - 1527
PEJD24	2	Enter units: days, weeks, months, years VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Days 2 Weeks 3 Months 4 Years	1528 - 1529
PEJD31	2	In total, how many years (have you smoked/did you smoke) cigars or cigarillos or little filtered cigars? If product was only used once or twice, DO NOT ASK this question and enter 0 for less than one year. Enter 0 for less than one year VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 0 Only used once or twice or Less than one year 1:99 years	1530 - 1531
PEJD32	2	In total, how many years (have you smoked/did you smoke) a regular pipe filled with tobacco? If product was only used once or twice, DO NOT ASK this question and enter 0 for less than one year. Enter 0 for less than one year VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 0 Only used once or twice or Less than one year 1-99 years	1532 - 1533

NAME	SIZE	DESCRIPTION	LOCATION
PEJD33	2	In total, how many years (have you smoked/did you smoke) a water pipe or hookah pipe filled with tobacco? If product was only used once or twice, DO NOT ASK this question and enter 0 for less than one year. Enter 0 for less than one year VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 0 Only used once or twice or Less than one year 1-99 years	1534 - 1535
PEJD33_5	2	In total, how many years (have you used/did you use) E-cigarettes? If product was only used once or twice, DO NOT ASK this question and enter 0 for less than one year. Enter 0 for less than one year VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 0 Only used once or twice or Less than one year 1-99 years	1536 - 1537
PEJD34	2	In total, how many years (have you used/did you use) smokeless tobacco? If product was only used once or twice, DO NOT ASK this question and enter 0 for less than one year. Enter 0 for less than one year VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 0 Only used once or twice or Less than one year 1-99 years	1538 - 1539
PEJFECGRD	2	Did you use e-cigarettes to help you quit smoking cigarettes? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1540 - 1541

NAME	SIZE	DESCRIPTION	LOCATION
PEJFECG2	2	Which of the following best describes the type of e-cigarette you used to use? If you used more than one type, please think of the one you used most often. VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 A disposable e-cigarette 2 An e-cigarette that uses replaceable PREFILLED OR REFILLABLE PODS OR CARTRIDGES 3 An e-cigarette with a TANK that you REFILL with LIQUIDS 4 A mod system, or 5 You don't know the type?	1542 - 1543
PEJ3A1	2	How soon after you wake up do you typically [fill with appropriate stem and ending based on responses to J2a1-5r]? FR: IF NECESSARY, ASK FOR BEST ANSWER IN MINUTES OR HOURS FR: IF RESPONDENTS USE BOTH KINDS OF PIPES, THEY SHOULD BE THINKING OF BOTH KINDS AND ANSWER THE EARLIEST TIME AFTER AWAKENING THEY SMOKE THE FIRST OF THE TWO TYPES OF PIPES. SIMILARLY, WE ARE ASKING ABOUT THE FIRST USE OF ANY OF THE GROUP OF PRODUCTS NOTED ENTER (0) IF RESPONDENT INSISTS IT VARIES VALID ENTRIES: -9 No response -5 Varies -3 Refused -2 Don't Know -1 Not in Universe 1-99 Number of	1544 - 1545
PEJ3A2	2	Enter minutes or hours VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Minutes 2 Hours	1546 – 1547

NAME	SIZE	DESCRIPTION	LOCATION
PEJ3D	2	Would you say you first [fill with appropriate stem and ending based on responses to J2a1-5r] within the first 30 minutes of awakening? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No 3 Varies	1548 – 1549
PEJ3F1	2	In the 12 months BEFORE YOU COMPLETELY QUIT {smoking cigars / smoking pipes / using e-cigarettes / using smokeless tobacco}, how soon after you woke up did you typically [fill with appropriate stem and ending based on responses to J2a1-4] (smoke your first....cigar/ pipe//use your first....e-cigarette/first use smokeless tobacco)? FR: IF NECESSARY, ASK FOR BEST ANSWER IN MINUTES OR HOURS FR: IF RESPONDENTS USE BOTH KINDS OF PIPES, THEY SHOULD BE THINKING OF BOTH KINDS AND ANSWER THE EARLIEST TIME AFTER AWAKENING THEY SMOKE THE FIRST OF THE TWO TYPES OF PIPES. SIMILARLY, WE ARE ASKING ABOUT THE FIRST USE OF ANY OF THE GROUP OF PRODUCTS NOTED ENTER (0) IF RESPONDENT INSISTS IT VARIES Enter Number: (0-90) VALID ENTRIES: -9 No response -5 Varies -3 Refused -2 Don't Know -1 Not in Universe 1-99 Number of	1550 – 1551
PEJ3F2	2	Enter minutes or hours VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Minutes 2 Hours	1552 – 1553

NAME	SIZE	DESCRIPTION	LOCATION
PEJ3G	2	In the 12 months BEFORE YOU COMPLETELY QUIT {smoking cigars / smoking pipes / using e-cigarettes / using smokeless tobacco}, would you say you [fill with appropriate stem and ending based on responses to J2a1-4] (smoke your first....cigar/ pipe//use your first....e-cigarette/first use smokeless tobacco) within the first 30 minutes of awakening? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No 3 Varies	1554 - 1555
PEJ4	2	During the PAST 12 MONTHS, have you stopped smoking // using [fill entry based on BOX 39A—cigars / pipes // e-cigarettes / smokeless tobacco] for one day or longer BECAUSE YOU WERE TRYING TO QUIT? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1556 - 1557
PEJ6BNUM	2	Thinking of ANY attempts to stop smoking ...// using ... [fill entry same as J4 fill – cigars/pipes // E-cigarettes/ smokeless tobacco] because you were trying to quit, during the past 12 months, what was the length of time of the ONE attempt that lasted the longest? Enter Number: 1-99 VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1-99 Number of	1558 - 1559

NAME	SIZE	DESCRIPTION	LOCATION
PEJ6BUNT	2	Enter days, weeks, or months VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Days 2 Weeks 3 Months	1560 - 1561
PEJ7CINT	2	The LAST TIME you tried to QUIT smoking CIGARS in the past 12 months: Did you: VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Continue	1562 - 1563
FILLER	4		1564 - 1567

NAME	SIZE	DESCRIPTION	LOCATION
PRJ7	2	The LAST TIME you tried to QUIT smoking CIGARS in the past 12 months: Did you: Try to quit by SWITCHING to smokeless tobacco, electronic or E-cigarettes or nicotine pouches? These are different from other smokeless tobacco products because they do not contain any tobacco leaf. These small white pouches contain nicotine which users place in their mouth. Some popular brands include Zyn (PRONOUNCED “zin”), ON!, Rogue, or Velo (PRONOUNCED “vee-low”). VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1568 - 1569
PEJ7ALTIN	2	When you quit smoking CIGARS completely, did you do ANY of the following, whether or not you think they were effective: VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Continue	1570 - 1571
FILLER	4		1572 - 1575

NAME	SIZE	DESCRIPTION	LOCATION
PRJ7ALT	2	When you quit smoking CIGARS completely, did you do ANY of the following, whether or not you think they were effective: Try to quit by SWITCHING to smokeless tobacco, electronic or E-cigarettes or nicotine pouches? These are different from other smokeless tobacco products because they do not contain any tobacco leaf. These small white pouches contain nicotine which users place in their mouth. Some popular brands include Zyn (PRONOUNCED “zin”), ON!, Rogue, or Velo (PRONOUNCED “vee-low”). VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1576 - 1577
PEK1A	2	The next questions are about your place of work. Do you mainly work indoors or outdoors? FR: If respondent has more than 1 job, have them answer for their main job. Do not read the first 2 categories unless necessary. Never read the remaining categories. VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Indoors 2 Outdoors 3 About equally indoors and outdoors 4 Works mainly indoors in a non-traditional environment such as warehouse or other similar large semi-structured area 5 Mainly travel around to different clients or sites or mainly in a motor vehicle/bus/train/boat/airplane/underground/in a mine, etc. 6 Varies	1578 - 1579

NAME	SIZE	DESCRIPTION	LOCATION
PEK1B	2	Do you mainly work in an office building, in your own home, in someone else's home, or in another indoor place?	1580 - 1581
		VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Office building 2 Own Home 3 Someone else's home 4 Another indoor	
PEK1B11	2	In which State (including DC), do you work?	1582 - 1583
		VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Alabama 2 Alaska 4 Arizona 5 Arkansas 6 California 8 Colorado 9 Connecticut 10 Delaware 11 District of Columbia 12 Florida 13 Georgia 15 Hawaii 16 Idaho 17 Illinois 18 Indiana 19 Iowa 20 Kansas 21 Kentucky 22 Louisiana 23 Maine 24 Maryland 25 Massachusetts 26 Michigan 27 Minnesota 28 Mississippi 29 Missouri 30 Montana 31 Nebraska 32 Nevada 33 New Hampshire 34 New Jersey 35 New Mexico	

NAME	SIZE	DESCRIPTION	LOCATION
		36 New York	
		37 North Carolina	
		38 North Dakota	
		39 Ohio	
		40 Oklahoma	
		41 Oregon	
		42 Pennsylvania	
		44 Rhode Island	
		45 South Carolina	
		46 South Dakota	
		47 Tennessee	
		48 Texas	
		49 Utah	
		50 Vermont	
		51 Virginia	
		53 Washington	
		54 West Virginia	
		55 Wisconsin	
		56 Wyoming	
		57 United States (state unknown)	
		88 Not in U.S.	
PEK1B2	2	When you work INDOORS: Do you mainly work in an office building, in your own home, in someone else's home, or in another indoor place?	1584 - 1585
		VALID ENTRIES:	
		-9 No response	
		-3 Refused	
		-2 Don't Know	
		-1 Not in Universe	
		1 Office building	
		2 Own home	
		3 Someone else's home	
		4 another indoor place	

NAME	SIZE	DESCRIPTION	LOCATION
PEK1C1	2	In which State (including DC), do you work on your main indoor job or business?	1586 - 1587
		VALID ENTRIES:	
		-9 No response	
		-3 Refused	
		-2 Don't Know	
		-1 Not in Universe	
		1 Alabama	
		2 Alaska	
		4 Arizona	
		5 Arkansas	
		6 California	
		8 Colorado	
		9 Connecticut	
		10 Delaware	
		11 District of Columbia	
		12 Florida	
		13 Georgia	
		15 Hawaii	
		16 Idaho	
		17 Illinois	
		18 Indiana	
		19 Iowa	
		20 Kansas	
		21 Kentucky	
		22 Louisiana	
		23 Maine	
		24 Maryland	
		25 Massachusetts	
		26 Michigan	
		27 Minnesota	
		28 Mississippi	
		29 Missouri	
		30 Montana	
		31 Nebraska	
		32 Nevada	
		33 New Hampshire	
		34 New Jersey	
		35 New Mexico	
		36 New York	
		37 North Carolina	
		38 North Dakota	
		39 Ohio	
		40 Oklahoma	
		41 Oregon	
		42 Pennsylvania	
		44 Rhode Island	
		45 South Carolina	
		46 South Dakota	
		47 Tennessee	
		48 Texas	

NAME	SIZE	DESCRIPTION	LOCATION
		49 Utah 50 Vermont 51 Virginia 53 Washington 54 West Virginia 55 Wisconsin 56 Wyoming 57 United States (state unknown) 88 Not in U.S.	
PEK2A	2	Is smoking restricted in ANY WAY at your place of work? Read if necessary: By restricted, we mean any limitation on smoking, regardless of who is responsible for that restriction (including owner, employer, government, union, etc.) VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1588 - 1589
PEK3A	2	Which of these best describes the smoking policy at your place of work for INDOOR PUBLIC OR COMMON AREAS, such as lobbies, rest rooms, and lunch rooms? FR: READ THE FIRST 3 ANSWER CATEGORIES ONLY. ENTER (4) IF NOT APPLICABLE (1) Not allowed in ANY public areas (2) Allowed in SOME public areas (3) Allowed in ALL public areas (4) NOT APPLICABLE VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Not allowed in ANY public areas 2 Allowed in SOME public areas 3 Allowed in ALL public areas 4 Not applicable	1590 - 1591

NAME	SIZE	DESCRIPTION	LOCATION
PEK3B	2	Which of these best describes the smoking policy at your place of work for INDOOR WORK AREAS? FR: READ THE FIRST 3 ANSWER CATEGORIES ONLY. ENTER (4) IF NOT APPLICABLE (1) Not allowed in ANY work areas (2) Allowed in SOME work areas (3) Allowed in ALL work areas (4) NOT APPLICABLE VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Not allowed in ANY work areas 2 Allowed in SOME work areas 3 Allowed in ALL work areas 4 Not applicable	1592 - 1593
PEK3C	2	During the PAST TWO WEEKS, has anyone smoked in the area in which you work? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1594 - 1595
PEK3B1	2	Which of these best describes the vaping or e-cigarette policy at your place of work for INDOOR PUBLIC OR COMMON AREAS AND INDOOR WORK AREAS? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Not allowed in ANY public and ANY work areas 2 Allowed in SOME public or SOME work areas 3 Allowed in ALL public and ALL work areas 4 Not applicable	1596 - 1597

NAME	SIZE	DESCRIPTION	LOCATION
PEK3C1	2	During the PAST TWO WEEKS, has anyone vaped or used e-cigarettes in the area in which you work? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1598 - 1599
PEK4	2	The final set of questions are about your home and other places. Which statement best describes the rules about smoking INSIDE YOUR HOME? FR: Read if necessary: "Home" is where you live. "Rules" include any unwritten "Rules" and pertain to all people whether or not they reside in the home or are visitors, workmen, etc. Smoking includes cigars regular and hookah as well as cigarettes VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 No one is allowed to smoke anywhere INSIDE YOUR HOME 2 Smoking is allowed in some places or at some times INSIDE YOUR HOME 3 Smoking is permitted anywhere INSIDE YOUR HOME	1600 - 1601
PEK4A	2	Which statement best describes the rules about vaping or using e-cigarettes INSIDE YOUR HOME? FR: Read if necessary "Home" is where you live. "Rules" include any unwritten "Rules" and pertain to all people whether or not they reside in the home or are visitors, workmen, etc. "Vaping" includes use of e-cigarettes, vape-pens, hookah-pens, e-hookahs, e-vaporizers, vapes, or mods. popular brands include Njoy, Blu, Logic, Vuse, and Juul (pronounced like "jewel"). VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 No one is allowed to vape anywhere INSIDE YOUR HOME 2 Vaping is allowed in some places or at some times INSIDE YOUR HOME 3 Vaping is permitted anywhere INSIDE YOUR HOME	1602 - 1603

NAME	SIZE	DESCRIPTION	LOCATION
PEK5A	2	In buildings with multiple apartments or living areas, do you THINK that smoking should be ... ALLOWED INSIDE ALL apartments or living areas, ALLOWED inside SOME apartments ..., or NOT ALLOWED at ALL inside apartments VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Allowed inside all apartments and living areas 2 Allowed inside some apartments 3 Not allowed at all inside apartments	1604 - 1605
PEK6B	2	In indoor work areas, do you THINK that smoking SHOULD be allowed in ALL areas, allowed in SOME areas, or NOT allowed at ALL? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Allowed in all areas 2 Allowed in some areas 3 Not allowed at all	1606 - 1607
PEK6C		Inside bars, cocktail lounges, and clubs, do you THINK that smoking SHOULD be allowed in ALL areas, allowed in SOME areas, or NOT allowed at ALL? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Allowed in all areas 2 Allowed in some areas 3 Not allowed at all	1608 - 1609
PEK6G		Inside casinos, do you THINK that smoking SHOULD be allowed in ALL areas, allowed in SOME areas, or NOT allowed at ALL? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Allowed in all areas 2 Allowed in some areas 3 Not allowed at all	1610 - 1611

NAME	SIZE	DESCRIPTION	LOCATION
PEK6H	2	Inside a car, when there are other people present, do you THINK that smoking SHOULD....always be allowed, be allowed under some conditions, or never be allowed? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Always be allowed 2 Be allowed under some conditions 3 Never be allowed	1612 - 1613
PEK6H2	2	IF children are present inside the car, do you think that smoking SHOULD....always be allowed, be allowed under some conditions, or never be allowed. VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Always be allowed 2 Be allowed under some conditions 3 Never be allowed	1614 - 1615
FILLER	2		1616 - 1617

NAME	SIZE	DESCRIPTION	LOCATION
PESINTTP	2	*** DO NOT READ *** In what language was the interview conducted for this person? VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 1 English 2 Spanish 3 Chinese 4 Korean 5 Vietnamese 6 Khmer 7 Other Asian 8 Other	1618 – 1619
PES81A	2	Method of Interview VALID ENTRIES: -1 Not in Universe 1 Personal 2 Telephone	1620 – 1621
INTRVIEW	2	Interview Status Recode Condition 1. PENXTPR ne -3 Condition 2. (PEA1 in 1,2,-2) OR ((PEA1 in -3,-9) AND (PEJ1a# in 1,2,-2)) VALID ENTRIES: -1 Not in Universe 1 INTRVIEW=1 (complete interview) when conditions 1 AND 2 are met 2 Set INTRVIEW=2 (noninterview) when condition 1 is not met OR condition 2 is not met OR conditions 1 AND 2 are not met	1622 – 1623
HRMODE	2	Method of Interview VALID ENTRIES: -1 Not in Universe 1 CAPI 2 CATI 3 Unknown	1624 – 1625

NAME	SIZE	DESCRIPTION	LOCATION
SMOKSTAT	2	Type of smoker recode	1626 – 1627
		VALID ENTRIES: - 9 Indeterminate (includes persons age between 18 and 34 with pea1 in (-2,-3,-9) and pea3 in (1,2,3)) -1 Not in universe 1 Never smoker (includes persons age between 18 and 34 with pea1=2 and pea3 in (1,2,3)) 2 Everyday smoker 3 Some days smoker 4 Former smoker	
PRS35	2	Respondent and Smoker Type	1628 – 1629
		VALID ENTRIES: -9 No response -1 Not in universe (includes persons age between 18 and 34 with pea1 in (-2,-3,-9) and pea3 in (1,2,3)) 1 Self respondent, every day smoker 2 Self respondent, some day smoker 3 Self respondent, former smoker 4 Proxy respondent	
PRS60	2	Self responding 'Not at all' smokers- smoking less than or equal to 1 year or Don't Know	1630 – 1631
		VALID ENTRIES: -1 Not in universe (includes persons age between 18 and 34 with pea1 in (-2,-3,-9) and pea3=3) 1 Item PEH1NUM/PEH1UNT is less than or equal to 1 year or don't know 2 All others	
PRS64	2	Who is responding for the supplement	1632 – 1633
		VALID ENTRIES: -1 Not in universe 1 Self 2 Proxy	
PRS65	2	Monthly Labor Force recode of Self respondents	1634 – 1635
		VALID ENTRIES: -1 Not in universe 1 Employed self respondents (PEMLR=1,2) 2 All other cases	

NAME	SIZE	DESCRIPTION	LOCATION
PRS66	2	Employed self respondents' class of worker on first job	1636 - 1637
		VALID ENTRIES: -1 Not in universe 1 In government or private industry (PEIO1COW in 1,2,3,4,5,10) 2 All other cases	
PRJ3A1F	3	Recode from fill in PEJ3a1 and PEJ3a2 to determine which tobacco product is being discussed in PEJ3a1 and PEJ3a2	1638 - 1640
		VALID ENTRIES: -1 Not in Universe 1 Cigar 2 Regular pipe filled with tobacco 3 Hookah pipe 4 E-cigarette 5 Smokeless tobacco 7 Cigar or regular pipe filled with tobacco 8 Cigar or hookah pipe 9 Cigar or regular pipe or hookah pipe 10 Cigar or E-cigarette 11 Cigar or regular pipe or E-cigarette 12 Cigar or hookah pipe or E-cigarette 13 Cigar or regular or hookah pipe or E-cigarette 14 Cigar or smokeless tobacco 17 Cigar or regular pipe or smokeless tobacco 20 Cigar or hookah pipe or smokeless tobacco 23 Cigar or regular pipe filled or hookah pipe or smokeless tobacco 26 Cigar or regular pipe or E-cigarette or smokeless tobacco 29 Cigar or hookah pipe or E-cigarette or smokeless tobacco 32 Cigar, regular pipe, hookah pipe, E-cigarette or smokeless tobacco 35 Cigar or E-cigarette or smokeless tobacco 38 Regular pipe filled with tobacco or hookah pipe 39 Regular pipe filled with tobacco or E-cigarette 40 Hookah pipe or E-cigarette 41 Regular pipe or hookah pipe or E-cigarette 42 Regular pipe or smokeless tobacco 45 Hookah pipe or smokeless tobacco 48 Regular pipe or hookah pipe or smokeless tobacco 51 Regular pipe or E-cigarette or smokeless tobacco 54 Hookah pipe or E-cigarette or smokeless tobacco 57 Regular pipe or, hookah pipe or E-cigarette or smokeless tobacco 60 E-cigarette or smokeless tobacco 64 Nicotine pouch 65 Cigar or nicotine pouch 66 Regular pipe or nicotine pouch 67 Hookah pipe or nicotine pouch 68 E-cigarette or nicotine pouch 69 Smokeless tobacco or nicotine pouch 71 Cigar or regular pipe or nicotine pouch 72 Cigar or hookah pipe or nicotine pouch 73 Cigar or regular pipe hookah pipe or nicotine pouch	

NAME	SIZE	DESCRIPTION	LOCATION
		74 Cigar or E-cigarette or nicotine pouch	
		75 Cigar or regular pipe or E-cigarette or nicotine pouch	
		76 Cigar or hookah pipe or E-cigarette or nicotine pouch	
		77 Cigar or regular pipe or hookah pipe or E-cigarette or nicotine pouch	
		78 Cigar or smokeless tobacco or nicotine pouch	
		81 Cigar or regular pipe or smokeless tobacco or nicotine pouch	
		84 Cigar or hookah pipe or smokeless tobacco or nicotine pouch	
		87 Cigar or regular pipe or hookah pipe or smokeless tobacco or nicotine pouch	
		90 Cigar or regular pipe or E-cigarette or smokeless tobacco or nicotine pouch	
		93 Cigar or hookah pipe or E-cigarette or smokeless tobacco or nicotine pouch	
		96 Cigar or regular pipe or hookah pipe or E-cigarette or smokeless tobacco or nicotine pouch	
		99 Cigar or E-cigarette or smokeless tobacco or nicotine pouch	
		102 Regular pipe or hookah pipe or nicotine pouch	
		103 Regular pipe or E-cigarette or nicotine pouch	
		104 Hookah pipe or E-cigarette or nicotine pouch	
		105 Regular pipe or hookah pipe or E-cigarette or nicotine pouch	
		106 Regular pipe or smokeless tobacco or nicotine pouch	
		109 Hookah pipe or smokeless tobacco or nicotine pouch	
		112 Regular pipe or hookah pipe or smokeless tobacco or nicotine pouch	
		115 Regular pipe or E-cigarette or smokeless tobacco or nicotine pouch	
		118 Hookah pipe or an E-cigarette or smokeless tobacco or nicotine pouch	
		121 Regular pipe or hookah pipe or E-cigarette or smokeless tobacco or nicotine pouch	
		124 E-cigarette or smokeless tobacco or nicotine pouch	
PRJ3DF	2	Recode from fill in PEJ3d to determine which tobacco product is being discussed in PEJ3D	1641 - 1643
		VALID ENTRIES:	
		-1 Not in Universe	
		1 Cigar	
		2 Regular pipe filled with tobacco	
		3 Hookah pipe	
		4 E-cigarette	
		5 Smokeless tobacco	
		7 Cigar or regular pipe filled with tobacco	
		8 Cigar or hookah pipe	
		9 Cigar or regular pipe or hookah pipe	
		10 Cigar or E-cigarette	
		11 Cigar or regular pipe or E-cigarette	
		12 Cigar or hookah pipe or E-cigarette	
		13 Cigar or regular or hookah pipe or E-cigarette	
		14 Cigar or smokeless tobacco	
		17 Cigar or regular pipe or smokeless tobacco	
		20 Cigar or hookah pipe or smokeless tobacco	
		23 Cigar or regular pipe filled or hookah pipe or smokeless tobacco	
		26 Cigar or regular pipe or E-cigarette or smokeless tobacco	
		29 Cigar or hookah pipe or E-cigarette or smokeless tobacco	
		32 Cigar, regular pipe, hookah pipe, E-cigarette or smokeless tobacco	
		35 Cigar or E-cigarette or smokeless tobacco	
		38 Regular pipe filled with tobacco or hookah pipe	
		39 Regular pipe filled with tobacco or E-cigarette	

NAME	SIZE	DESCRIPTION	LOCATION
	40	Hookah pipe or E-cigarette	
	41	Regular pipe or hookah pipe or E-cigarette	
	42	Regular pipe or smokeless tobacco	
	45	Hookah pipe or smokeless tobacco	
	48	Regular pipe or hookah pipe or smokeless tobacco	
	51	Regular pipe or E-cigarette or smokeless tobacco	
	54	Hookah pipe or E-cigarette or smokeless tobacco	
	57	Regular pipe or, hookah pipe or E-cigarette or smokeless tobacco	
	60	E-cigarette or smokeless tobacco	
	64	Nicotine pouch	
	65	Cigar or nicotine pouch	
	66	Regular pipe or nicotine pouch	
	67	Hookah pipe or nicotine pouch	
	68	E-cigarette or nicotine pouch	
	69	Smokeless tobacco or nicotine pouch	
	71	Cigar or regular pipe or nicotine pouch	
	72	Cigar or hookah pipe or nicotine pouch	
	73	Cigar or regular pipe hookah pipe or nicotine pouch	
	74	Cigar or E-cigarette or nicotine pouch	
	75	Cigar or regular pipe or E-cigarette or nicotine pouch	
	76	Cigar or hookah pipe or E-cigarette or nicotine pouch	
	77	Cigar or regular pipe or hookah pipe or E-cigarette or nicotine pouch	
	78	Cigar or smokeless tobacco or nicotine pouch	
	81	Cigar or regular pipe or smokeless tobacco or nicotine pouch	
	84	Cigar or hookah pipe or smokeless tobacco or nicotine pouch	
	87	Cigar or regular pipe or hookah pipe or smokeless tobacco or nicotine pouch	
	90	Cigar or regular pipe or E-cigarette or smokeless tobacco or nicotine pouch	
	93	Cigar or hookah pipe or E-cigarette or smokeless tobacco or nicotine pouch	
	96	Cigar or regular pipe or hookah pipe or E-cigarette or smokeless tobacco or nicotine pouch	
	99	Cigar or E-cigarette or smokeless tobacco or nicotine pouch	
	102	Regular pipe or hookah pipe or nicotine pouch	
	103	Regular pipe or E-cigarette or nicotine pouch	
	104	Hookah pipe or E-cigarette or nicotine pouch	
	105	Regular pipe or hookah pipe or E-cigarette or nicotine pouch	
	106	Regular pipe or smokeless tobacco or nicotine pouch	
	109	Hookah pipe or smokeless tobacco or nicotine pouch	
	112	Regular pipe or hookah pipe or smokeless tobacco or nicotine pouch	
	115	Regular pipe or E-cigarette or smokeless tobacco or nicotine pouch	
	118	Hookah pipe or an E-cigarette or smokeless tobacco or nicotine pouch	
	121	Regular pipe or hookah pipe or E-cigarette or smokeless tobacco or nicotine pouch	
	124	E-cigarette or smokeless tobacco or nicotine pouch	

NAME	SIZE	DESCRIPTION	LOCATION
PRJ3F1F	2	Recode from fill in PEJ3f1 and PEJ3f2 to determine which tobacco product is being discussed in PEJ3f1 and PEJ3f2	1644 - 1645

VALID ENTRIES:

- 1 Not in universe
- 1 Smoking cigars... smoke your first cigar
- 2 Smoking regular pipes filled with tobacco ...smoke your first regular pipe filled with tobacco
- 3 Smoking hookah pipes... smoke your first hookah pipe
- 4 Using E-cigarettes... use your first E-cigarette
- 5 Using smokeless tobacco... use your first smokeless tobacco
- 6 Smoking cigars/smoking regular pipes filled with tobacco... smoke your first cigar/smoke your first regular pipe filled with tobacco
- 7 Smoking cigars/smoking hookah pipes... smoke your first cigar/smoke your first hookah pipe
- 8 Smoking cigars/using E-cigarettes... smoke your first cigar/use your first E-cigarette
- 9 Smoking cigars/using smokeless tobacco ... smoke your first cigar/use your first smokeless tobacco
- 10 Smoking regular pipes filled with tobacco/smoking hookah pipes...smoke your first regular pipe filled with tobacco/smoke your first hookah pipe
- 11 Smoking regular pipes filled with tobacco/using E-cigarettes... smoke your first regular pipe filled with tobacco/use your first E-cigarette
- 12 Smoking regular pipes filled with tobacco/using smokeless tobacco... smoke your first regular pipe filled with tobacco/use your first smokeless tobacco
- 13 Smoking hookah pipes/using E-cigarettes... smoke your first hookah pipe/use your first E-cigarette
- 14 Smoking hookah pipes/using smokeless tobacco... smoke your first hookah pipe/use your first smokeless tobacco
- 15 Using E-cigarettes/using smokeless tobacco. ..use your first E-cigarette/use your first smokeless tobacco
- 16 Smoking cigars/smoking regular pipes filled with tobacco/smoking hookah pipes... smoke your first cigar/smoke your first regular pipe filled with tobacco/smoke your first hookah pipe
- 17 Smoking cigars/smoking regular pipes filled with tobacco/using E-cigarettes... smoke your first cigar/smoke your first regular pipe filled with tobacco/use your first E-cigarette
- 18 Smoking cigars/smoking regular pipes filled with tobacco/using smokeless tobacco... smoke your first cigar/smoke your first regular pipe filled with tobacco/use your first smokeless tobacco
- 19 Smoking cigars/smoking hookah pipes/using E-cigarettes.... smoke your first cigar/smoke your first hookah pipe/use your first E-cigarette
- 20 Smoking cigars/smoking hookah pipes/using smokeless

- tobacco...smoke your first cigar/smoke your first hookah pipe/use your first smokeless tobacco
- 21 Smoking cigars/using E-cigarettes/using smokeless tobacco... smoke your first cigar/use your first E-cigarette/use your first smokeless tobacco
 - 22 Smoking regular pipes filled with tobacco/smoking hookah pipes/using E-cigarettes... smoke your first regular pipe filled with tobacco/smoke your first hookah pipe/use your first E-cigarette
 - 23 Smoking regular pipes filled with tobacco/smoking hookah pipes/using smokeless tobacco... smoke your first regular pipe filled with tobacco/smoke your first hookah pipe/use your first smokeless tobacco
 - 24 Smoking regular pipes filled with tobacco/using E-cigarettes/using smokeless tobacco... smoke your first regular pipe filled with tobacco/use your first E-cigarette/use your first smokeless tobacco
 - 25 Smoking hookah pipes/using E-cigarettes/using smokeless tobacco..... smoke your first hookah pipe/use your first E-cigarette/use your first smokeless tobacco
 - 26 Smoking cigars/smoking regular pipes filled with tobacco/smoking hookah pipes/using E-cigarettes... smoke your first cigar/smoke your first regular pipe filled with tobacco/smoke your first hookah pipe/use your first E-cigarette
 - 27 Smoking cigars/smoking regular pipes filled with tobacco/smoking hookah pipes/using smokeless tobacco... smoke your first cigar/smoke your first regular pipe filled with tobacco/smoke your first hookah pipe/use your first smokeless tobacco
 - 28 Smoking cigars/smoking regular pipes filled with tobacco/using E-cigarettes/using smokeless tobacco... smoke your first cigar/smoke your first regular pipe filled with tobacco/use your first E-cigarette/use your first smokeless tobacco
 - 29 Smoking cigars/smoking hookah pipes/using E-cigarettes/using smokeless tobacco... smoke your first cigar/smoke your first hookah pipe/use your first E-cigarette/use your first smokeless tobacco
 - 30 Smoking regular pipes filled with tobacco/smoking hookah pipes/using E-cigarettes/using smokeless tobacco... smoke your first regular pipe filled with tobacco/smoke your first hookah pipe/use your first E-cigarette/use your first smokeless tobacco
 - 31 Smoking cigars/smoking regular pipes filled with tobacco/smoking hookah pipes/using E-cigarettes/using smokeless tobacco... smoke your first cigar/smoke your first regular pipe filled with tobacco/smoke your first hookah pipe/use your first E-cigarette/use your first smokeless tobacco

NAME	SIZE	DESCRIPTION	LOCATION
PRJ3GF	2	Recode from fill in PEJ3g to determine which tobacco product is being discussed in PEJ3g	1646 - 1647

VALID ENTRIES:

-1 Not in universe

- 1 Smoking cigars... smoke your first cigar
- 2 Smoking regular pipes filled with tobacco ...smoke your first regular pipe filled with tobacco
- 3 Smoking hookah pipes... smoke your first hookah pipe
- 4 Using E-cigarettes... use your first E-cigarette
- 5 Using smokeless tobacco... use your first smokeless tobacco
- 6 Smoking cigars/smoking regular pipes filled with tobacco... smoke your first cigar/smoke your first regular pipe filled with tobacco
- 7 Smoking cigars/smoking hookah pipes... smoke your first cigar/smoke your first hookah pipe
- 8 Smoking cigars/using E-cigarettes... smoke your first cigar/use your first E-cigarette
- 9 Smoking cigars/using smokeless tobacco ... smoke your first cigar/use your first smokeless tobacco
- 10 Smoking regular pipes filled with tobacco/smoking hookah pipes...smoke your first regular pipe filled with tobacco/smoke your first hookah pipe
- 11 Smoking regular pipes filled with tobacco/using E-cigarettes... smoke your first regular pipe filled with tobacco/use your first E-cigarette
- 12 Smoking regular pipes filled with tobacco/using smokeless tobacco...smoke your first regular pipe filled with tobacco/use your first smokeless tobacco
- 13 Smoking hookah pipes/using E-cigarettes... smoke your first hookah pipe/use your first E-cigarette
- 14 Smoking hookah pipes/using smokeless tobacco... smoke your first hookah pipe/use your first smokeless tobacco
- 15 Using E-cigarettes/using smokeless tobaccouse your first E-cigarette/use your first smokeless tobacco
- 16 Smoking cigars/smoking regular pipes filled with tobacco/smoking hookah pipes... smoke your first cigar/smoke your first regular pipe filled with tobacco/smoke your first hookah pipe
- 17 Smoking cigars/smoking regular pipes filled with tobacco/using E-cigarettes... smoke your first cigar/smoke your first regular pipe filled with tobacco/use your first E-cigarette
- 18 Smoking cigars/smoking regular pipes filled with tobacco/using smokeless tobacco... smoke your first cigar/smoke your first regular pipe filled with tobacco/use your first smokeless tobacco
- 19 Smoking cigars/smoking hookah pipes/using E-cigarettes... smoke your first cigar/smoke your first hookah pipe/use your first E-cigarette
- 20 Smoking cigars/smoking hookah pipes/using smokeless tobacco. smoke your first cigar/smoke your first hookah pipe/use your first smokeless tobacco

NAME	SIZE	DESCRIPTION	LOCATION
		21 Smoking cigars/using E-cigarettes/using smokeless tobacco... smoke your first cigar/use your first E-cigarette/use your first smokeless tobacco	
		22 Smoking regular pipes filled with tobacco/smoking hookah pipes/using E-cigarettes... smoke your first regular pipe filled with tobacco/smoke your first hookah pipe/use your first E-cigarette	
		23 Smoking regular pipes filled with tobacco/smoking hookah pipes/using smokeless tobacco...smoke your first regular pipe filled with tobacco/smoke your first hookah pipe/use your first smokeless tobacco	
		24 Smoking regular pipes filled with tobacco/using E-cigarettes/using smokeless tobacco...smoke your first regular pipe filled with tobacco/use your first E-cigarette/use your first smokeless tobacco	
		25 Smoking hookah pipes/using E-cigarettes/using smokeless tobacco...smoke your first hookah pipe/use your first E-cigarette/use your first smokeless tobacco	
		26 Smoking cigars/smoking regular pipes filled with tobacco/smoking hookah pipes/using E-cigarettes... smoke your first cigar/smoke your first regular pipe filled with tobacco/smoke your first hookah pipe/use your first E-cigarette	
		27 Smoking cigars/smoking regular pipes filled with tobacco/smoking hookah pipes/using smokeless tobacco... smoke your first cigar/smoke your first regular pipe filled with tobacco/smoke your first hookah pipe/use your first smokeless tobacco	
		28 Smoking cigars/smoking regular pipes filled with tobacco/using E-cigarettes/using smokeless tobacco... smoke your first cigar/smoke your first regular pipe filled with tobacco/use your first E-cigarette/use your first smokeless tobacco	
		29 Smoking cigars/smoking hookah pipes/using E-cigarettes/using smokeless tobacco... smoke your first cigar/smoke your first hookah pipe/use your first E-cigarette/use your first smokeless tobacco	
		30 Smoking regular pipes filled with tobacco/smoking hookah pipes/using E-cigarettes/using smokeless tobacco...smoke your first regular pipe filled with tobacco/smoke your first hookah pipe/use your first E-cigarette/use your first smokeless tobacco	
		31 Smoking cigars/smoking regular pipes filled with tobacco/smoking hookah pipes/using E-cigarettes/using smokeless tobacco...smoke your first cigar/smoke your first regular pipe filled with tobacco/smoke your first hookah pipe/use your first E-cigarette/use your first smokeless tobacco	

NAME	SIZE	DESCRIPTION	LOCATION
PRJ4F	2	Recode from fill in PEJ4 to determine which tobacco product is being discussed in PEJ4 VALID ENTRIES: -1 Not in universe 1 Smoking cigars 2 Smoking regular pipes 3 Smoking water or hookah pipes 4 Using an E-cigarette 5 Using smokeless tobacco	1648 -1649
PRJ6BNMF	2	Recode from fill in PEJ6bnum and PEJ6bunt to see which tobacco product is being discussed in PEJ6bnum and PEJ6bunt VALID ENTRIES: -1 Not in universe 1 Smoking cigars 2 Smoking regular pipes 3 Smoking water or hookah pipes 4 Using an E-cigarette 5 Using smokeless tobacco	1650 - 1651
PRSIFLG	2	Recode identifies person answering their own questions on the shorter proxy path. If PENXTPR3=3 SET PRSIFLG=1 ELSE IF (PENXTPR3=2 AND (PENXTPR5= PENXTPR)) SET PRSIFLG=2 VALID ENTRIES: -1 Not in universe 2 Self-response, but went down proxy path	1652 - 1653
PWNRWGT	10	Nonresponse weight (4 implied decimal places)	1654 - 1663
PWSRWGT	10	Self response weight (4 implied decimal places)	1664 - 1673
PEELGFLG	2	Selected for Interview Flag VALID ENTRIES: -1 Not in Universe 1 Selected for Interview 4 Not Selected for Interview	1674 - 1675

i Variables indicating either a number of cigarettes smoked during a time period or a price paid for cigarettes were subjected to disclosure avoidance techniques, by topcoding the value, and for the price paid items, rounding to the nearest five cents in addition to topcoding.

ATTACHMENT 8

SUPPLEMENT QUESTIONNAIRE

2022-2023 Tobacco Use Supplement to the Current Population
Survey January 2023 Fielding

All skip paths should go to the next item unless otherwise instructed. All item questions accept "Don't know" and "Refused" as response. All <D> and <R> pre-codes are to be blind coded. Use blind coded <L> to go to END.

Allow Proxy interviews on the 4th callback for any selected self-respondent.

HHGPS-R ENTER LINE NUMBER FOR THE PERSON WHO IS REPORTING CPS
INFO FOR ALL HH MEMBERS

| | |

RANDOM_INDICATORS FOR SELF-RESPONSE SELECTION

PRESUP This month we would also like to ask about your thoughts and experiences
concerning tobacco use.

FR: IF HOUSEHOLD HAS ONLY 1 OR 2 PERSONS 18 YEARS OR OLDER
STATE:

"I need to ask each individual, age 18 years old and older, these questions."

FR: IF HOUSEHOLD HAS MORE THAN 2 PERSONS AGE 18 YEARS OR
OLDER STATE:

**"Two or three persons in this household, age 18 years and older, have been
selected at random to answer these questions personally, that is, themselves."**

ENTER (1) TO PROCEED

ENTER (F1) FOR IMPORTANCE OF RESPONDING

| |

H_SUPP_I Your answers to the tobacco questions are very important. The National
Institutes of Health, FDA, CDC, and other researchers will use this
information to measure changes in tobacco use and to help with
policymaking and services.

PRESS ENTER TO CONTINUE

NXTPR ENTER LINE NO: FOR [fill name]

I (also) need to talk with [fill name/READ LIST OF NEEDED PERSONS]. Is he/she at home now/Are either of them at home now/Are any of them at home now)?

NO ONE ELIGIBLE, SKIP TO FIN (F10)
IF ANSWERED, JUMP FORWARD (F3)

GET SELF RESPONSE ONLY.
WHEN DONE, F10 FOR CALLBACKS
CALLBACK #: [fill number]

(CNTRL-R) Respondent Refused for someone else

ENTER LINE NUMBER FOR INTERVIEW:

HOUSEHOLD ROSTER

LN	Q	NEED	NAME	M	AGE
01			(Person 1)		
02			(Person 2)		
03			(Person 3)		

NXTPR3 DO NOT ASK, INTERVIEWER CHECK ITEM

(ONLY TAKE A PROXY IF THIS IS THE 4TH CALLBACK FOR THE SELF-RESPONDENT OR THE PERSON WILL NOT RETURN BEFORE CLOSEOUT.)

Is this a Self or Proxy response?

(1) Self [GO TO A1]
(2) Proxy

EPROXY DO NOT ASK

POSSIBLE ERROR
You have picked PROXY for [fill name] even though [fill name] is the current respondent.

Are you currently talking to [fill name]?

(1) Yes, SELF interview [GO TO A1]
(2) No

NXTPER5 DO NOT ASK
ENTER LINE NUMBER OF
CURRENT RESPONDENT
|_|_|

HOUSEHOLD ROSTER

LN	NAME
01	(Person 1)
02	(Person 2)
03	(Person 3)

SECTION A. SCREENING FOR EVER/EVERY DAY/SOMEDAY SMOKING

A1 (Have/Has) (you/name) smoked at least 100 cigarettes in (your/his/her) entire life?

FR: 100 CIGARETTES = APPROXIMATELY 5 PACKS

(1) YES

(2) NO

|_|

BOX 0

IF A1 = 1, THEN GO TO A2

IF A1 = 2, D OR R AND RESPONDENT IS BETWEEN AGE 18 AND 34, THEN GO TO A3

ELSE, IF A1 = 2, D OR R, THEN GO TO SECTION J

A2 How old (were/was) (you/name) when (you/he/she) first started smoking cigarettes FAIRLY REGULARLY?

FR: “FAIRLY REGULARLY” OR “REGULARLY” REFERS TO AGE WHEN STARTED SMOKING CIGARETTES ON A ROUTINE BASIS AS OPPOSED TO AGE WHEN TRIED FIRST CIGARETTE.

ENTER (0) IF NEVER SMOKED REGULARLY

ENTER AGE (01 – AGE)

|_|_|

[IF A2 = 0, GO TO A2a]

[IF A2 ≤ 5, GO TO A2v]

[IF A2 > 5, D OR R, GO TO A3]

A2v I have recorded that (you/name) (were/was) [fill entry A2] years old when (you/he/she) started smoking cigarettes fairly regularly. Is that correct?

(1) YES

(2) NO

|_|

[IF A2v = 1, GO TO A3]

[IF A2v = 2, GO TO A2]

A2a You said that (you/name) never smoked regularly. How old (were/was) (you/name) the first time (you/he/she) smoked part or all of a cigarette?

ENTER AGE (01 – AGE):

[IF A2a > 5, D OR R, GO TO A3]

[IF A2a <= 5, GO TO A2av]

A2av I have recorded that (you/name) (were/was) [fill entry A2a years old) when you first smoked part or all of a cigarette. Is that correct?

(1) YES

(2) NO

[IF A2av = 1, GO TO A3]

[IF A2av = 2, GO TO A2a]

A3 (Do/Does) (you/name) now smoke cigarettes every day, some days, or not at all?

(1) EVERY DAY

(2) SOME DAYS

(3) NOT AT ALL

BOX 1

IF SELF RESPONDENT BETWEEN AGE 18 AND 34 WHO HAS NOT SMOKED 100+ CIGARETTES (A1 = 2, D OR R) AND:

A3 = (2) SOME-DAY SMOKERS OR D OR R, THEN GO TO SECTION C

A3 = (1) EVERYDAY SMOKERS OR (3) NOT-AT-ALL SMOKERS, THEN GO TO SECTION J

ELSE, IF SELF RESPONDENT AND:

A3 = (1) EVERYDAY SMOKERS, THEN GO TO SECTION B

A3 = (2) SOME-DAY SMOKERS, THEN GO TO SECTION C

A3 = (3) NOT-AT-ALL SMOKERS, THEN GO TO SECTION H

A3 = D, R, THEN GO TO SECTION J

IF PROXY RESPONDENT, THEN GO TO SECTION J

SECTION B. EVERY-DAY SMOKER HISTORY/CONSUMPTION SERIES

B1 On the average, about how many cigarettes do you now smoke each day?

FR: ONE PACK USUALLY EQUALS 20 CIGARETTES. IF CONVERTING PACKS TO CIGARETTES, ALWAYS VERIFY CALCULATION WITH RESPONDENT.

ENTER NUMBER OF CIGARETTES PER DAY

|_| || |_| (1-99)

BOX 2

IF B1 = D OR R, GO TO B1a

IF B1 > 40, GO TO B1v

ELSE, GO TO B2

B1a Would you say that, on average, you now smoke more or less than 20 cigarettes each day?

(1) MORE

(2) LESS

(3) ABOUT 20 (ONE PACK)

|_|

[GO TO B2]

B1v I have recorded that on the average, you now smoke [fill entry B1] cigarettes a day. Is that correct?

(1) YES

(2) NO

|_|

[IF B1v = 1, D OR R, GO TO B2]

[IF B1v = 2, GO BACK TO B1 AND CORRECT]

B2 Do you usually smoke menthol or non-menthol cigarettes?

(1) MENTHOL

(2) NON-MENTHOL

(3) NO USUAL TYPE

|_|

B5a How soon after you wake up do you typically smoke your first cigarette of the day?

FR: IF NECESSARY, ASK FOR BEST ANSWER IN MINUTES OR HOURS. ENTER
(0) IF RESPONDENT INSISTS IT VARIES.

B5anum ENTER NUMBER

(0 – 90)

B5aunt ENTER UNIT REPORTED

(1) MINUTES

(2) HOURS

BOX 5

IF B5a = 0, D OR R, GO TO B5b

ELSE, GO TO BA6a

B5b Would you say you smoke your first cigarette of the day within the first 30 minutes?

(1) YES

(2) NO

(3) VARIES— DO NOT READ

[GO TO BA6a]

BA6a Do you USUALLY BUY your own cigarettes?

(1) YES

(2) NO

[IF BA6a = 1, GO TO B6a]

[IF BA6a = 2, D OR R, GO TO B6e1]

B6a Do you USUALLY buy your cigarettes by the pack or by the carton?

FR: A CARTON HAS 10 PACKS.

(1) PACK

(2) CARTON

(3) BUY BOTH PACKS AND CARTONS

□

BOX 6

IF B6a = 1, 3, D OR R, GO TO B6b

IF B6a = 2, GO TO B6c

B6b/B6b2 What price did you pay for the **LAST PACK** of cigarettes you bought? Please report the cost after using discounts or coupons.

FR: ENTER "DOLLARS" ON THE FIRST SCREEN (B6b) AND ENTER "CENTS" ON THE NEXT SCREEN (B6b2)

B6b \$__ __ (0-99)

B6b2 .__ __ (0-99)

[GO TO B6c4]

B6c/B6c2 What price did you pay for the **LAST CARTON** of cigarettes you bought? Please report the cost after using discounts or coupons.

FR: "PRICE PER CARTON," ENTER "DOLLARS" ON THE FIRST SCREEN (B6c) AND ENTER "CENTS" ON THE NEXT SCREEN (B6c2)

B6c \$__ __ __ (0-999)

B6c2 .__ __ (0-99)

[GO TO B6c4]

B6c4 Did you use coupons, rebates, or any other special promotions when you bought your **LAST** (fill appropriate term here from B6a responses...=1 or 3 or D or R, fill "PACK"; =2, fill "CARTON") of cigarettes?

(1) YES

(2) NO

□

[GO TO B6d]

B6d/B6d1 Did you buy your **LAST** (fill appropriate term here from B6a responses...=1 or 3 or D or R fill "PACK"; =2 fill "CARTON") of cigarettes in (fill respondent's state of residence) or in some other state?

(1) IN RESPONDENT'S STATE OF RESIDENCE

(2) IN SOME OTHER STATE (INCLUDING DC)

(3) BOUGHT SOME OTHER WAY (INTERNET, OTHER COUNTRY, INDIAN RESERVATION)

☐

BOX 7

IF B6d1 =1 ENTER AUTOMATICALLY RESPONDENT'S STATE OF RESIDENCE IN B6d2, GO TO B6d3

IF B6d = 2, GO TO B6d2

IF B6d=3, GO TO B6dOTH

ELSE, GO TO B6e1

B6d2 In what other state did you buy your LAST (fill appropriate term here from B6a responses ...= 1, 3, D or R, fill "PACK"; = 2, fill "CARTON") of cigarettes?

ENTER STATE ABBREVIATION –TEXT OF AT MOST 2 CHARACTERS -

[GO TO B6d3]

B6d3 Did you buy your LAST (fill appropriate term here from B6a responses...= 1, 3, D or R, fill "PACK"; = 2, fill "CARTON") of cigarettes from an Indian reservation?

(1) YES

(2) NO

[GO TO B6e1]

B6dOTH Was the "Other Way" in which you purchased your LAST (fill appropriate term here from B6a responses ...= 1, 3, D or R, fill "PACK"; = 2 fill "CARTON") of cigarettes:

FR: READ THE FIRST THREE CHOICES

(1) In a foreign country or a duty-free shop

(2) From an Indian reservation OR

(3) By mail-order, phone, or internet

(4) SOME OTHER WAY (NOT READ)

☐

[GO TO B6e1]

B6e1 In the LAST 2 months, have you bought any SINGLE or INDIVIDUAL cigarettes?

FR: RESPONDENT MAY REFER TO IT AS A "LOOSIE" OR "LOOSE OUT OF THE PACK."

- (1) YES
- (2) NO

☐

[IF B6e1 = 1, GO TO B6e31]
[IF B6e1 = 2, D OR R, GO TO B6e4]

B6e31 Did you buy your LAST SINGLE or INDIVIDUAL cigarette in (fill respondent's state of residence) or in some other state or other country?

- (1) In respondent's state of residence
- (2) In some other state (including DC)
- (3) In another country
- (4) BOUGHT SOME OTHER WAY (INTERNET, ETC.)

☐

BOX 7B

IF B6e31 = 1, ENTER AUTOMATICALLY RESPONDENT'S STATE
OF RESIDENCE IN B6e32, GO TO B6e4
ELSE, IF B6e31 = 2 OR 3, GO TO B6e32
ELSE, GO TO B6e4

B6e32 In what OTHER state or country did you buy your LAST SINGLE OR INDIVIDUAL cigarette?

FR: SELECT STATE OR COUNTRY FROM LIST.

_____ SELECT STATE OR COUNTRY FROM LIST.

[GO TO B6e4]

B6e4 In the LAST 2 months, have you bought loose tobacco to roll-your-own cigarettes?

- (1) YES
- (2) NO

☐

[GO TO B7c]

Past Smoking Behavior for Everyday Smokers

B7c For how long have you smoked EVERY DAY?

FR: READ CHOICES 1-4

- (1) All or nearly all the years you have smoked
- (2) Most of the years you have smoked
- (3) Half of the years you have smoked, OR
- (4) Less than half the years you have smoked
- (5) IF VOLUNTEERED: LESS THAN ONE YEAR

☐

[IF B2 = 1, GO TO B7c3]

[IF B2 = 2, 3, D OR R, GO TO B7c2]

B7c2 Have you EVER smoked MENTHOL cigarettes for 6 months or more?

- (1) YES
- (2) NO

☐

[IF B7c2 = 1, THEN GO TO B7c3 AND USE THE APPROPRIATE FILL IN B7c3
("...did you smoke....")]

[ELSE, GO TO B8]

B7c3 For how long [fill "have you smoked" for those with a B2 = 1/ "did you smoke" for B7c2 = 1] MENTHOL cigarettes?

FR: READ CHOICES 1-4

- (1) All or nearly all the years you have smoked
- (2) Most of the years you have smoked
- (3) Half of the years you have smoked, or
- (4) Less than half the years you have smoked
- (5) IF VOLUNTEERED: LESS THAN ONE YEAR

☐

[GO TO B8]

B8 Around this time 12 MONTHS AGO, were you smoking cigarettes every day, some days, or not at all?

- (1) EVERY DAY
- (2) SOME DAYS
- (3) NOT AT ALL

☐

[IF B8 = 1, GO TO B9]
[IF B8 = 2, GO TO B10A]
[IF B8 = 3, D OR R, GO TO D1R (3RD QUESTION IN QUIT ATTEMPT SECTION)]

B9 Around this time 12 MONTHS AGO, on the average, about how many cigarettes did you smoke each day?

FR: ONE PACK USUALLY EQUALS 20 CIGARETTES. IF CONVERTING PACKS TO CIGARETTES, ALWAYS VERIFY CALCULATION WITH RESPONDENT.

ENTER NUMBER OF CIGARETTES PER DAY

(1-99)

BOX 7C IF B9 = D OR R, GO TO D1R (3rd QUESTION IN QUIT ATTEMPT SECTION) IF B9 > 40, GO TO B9v ELSE, GO TO D1R (3rd QUESTION IN QUIT ATTEMPT SECTION)

B9v I have recorded that on the average, you smoked [fill entry B9] cigarettes a day 12 months ago. Is that correct?

- (1) YES
- (2) NO

[IF B9v = 2, GO BACK TO B9 AND CORRECT]
[IF B9v = 1, D OR R, GO TO D1R (3rd QUESTION IN QUIT ATTEMPT SECTION)]

B10a Around this time 12 MONTHS AGO, on how many of the 30 days in the month did you smoke cigarettes?

FR: ENTER (0) FOR NONE

Range 0-30

BOX 7D IF B10a = 0 OR 30, GO TO B10av ELSE, GO TO B10b
--

B10av You said that you smoked cigarettes some days. Is that correct?

- (1) YES
- (2) NO

☐

BOX 7E

IF (B10av = 1 AND B10a = 30), OR B10av = D, R, GO TO B10b
IF B10av = 1 AND B10a = 0, GO TO D1R (3rd QUESTION IN QUIT
ATTEMPT SECTION)
IF B10av = 2, GO BACK TO B8 AND CORRECT

B10b On the average, on those [If B10a = 1-30 (Fill entry B10a days) If B10a = D, R (Fill days you smoked)], how many cigarettes did you usually smoke each day?

FR: WE ARE STILL TALKING ABOUT “AROUND THIS TIME 12 MONTHS AGO”

(1-99)

[IF B10b > 40, GO TO B10bv]
[ELSE, GO TO D1R (3rd QUESTION IN QUIT ATTEMPT SECTION)]

B10bv I have recorded that on the average, when you smoked on those [fill entry B10a] days, you smoked [fill entry B10b] cigarettes a day. Is that correct?

- (1) YES
- (2) NO

☐

[IF B10bv = 2, GO BACK TO B10b AND CORRECT]
[ELSE, EVERY-DAY SMOKERS (A3 = 1) GO TO D1R (3rd QUESTION IN QUIT
ATTEMPT SECTION)]

SECTION C. SOME-DAY SMOKER SERIES

C1 On how many of the past 30 days did you smoke cigarettes?

FR: ENTER (0) FOR NONE

(0-30)

BOX 9

IF RESPONDENT BETWEEN AGE 18 AND 34 WHO HAS NOT
SMOKED 100+ CIGARETTES (A1 = 2, D OR R) AND NOW SMOKES
SOME DAYS (A3 = 2, D OR R), GO TO SECTION J

ELSE, IF C1 = 0 OR 30, GO TO C1v

ELSE, IF C1 = D OR R, GO TO C1i

ELSE, GO TO C1a

C1v You said that you smoked cigarettes some days. Is that correct?

(1) YES

(2) NO

BOX 10

IF C1v = 1 AND C1 = 30, GO TO C1a

IF C1v = 1 AND C1 = 0, GO TO C2

IF C1v = 2, GO TO A3

IF C1v = D OR R, GO TO C1a

C1i Would you say you smoked on AT LEAST 12 DAYS in the past 30 days?

(1) YES

(2) NO

C1a On the average, on those [C1 days IF entry for C1 NE D/R, OR “AT LEAST 12 days” IF C1i = 1 YES], how many cigarettes did you usually smoke each day?

IF <= (LESS THAN OR EQUAL TO) 40, THEN GO TO C2

[IF C1a > 40, GO TO C1av]

[IF C1a = D OR R, GO TO C2]

C1av I have recorded that on the average, when you smoked on those [C1 / AT LEAST 12] days, you smoked [C1a] cigarettes a day. Is that correct?

(1) YES

(2) NO

☐

[IF C1av = 1, D OR R, GO TO C2]

[IF C1av = 2, GO TO C1a]

C2 Do you usually smoke menthol or non-menthol cigarettes?

(1) MENTHOL

(2) NON-MENTHOL

(3) NO USUAL TYPE

☐

[GO TO C5a]

C5a On the days that you smoke, how soon after you wake up do you typically smoke your first cigarette of the day?

FR: IF NECESSARY, ASK FOR BEST ANSWER IN MINUTES OR HOURS. ENTER

(0) IF RESPONDENT INSISTS IT VARIES

C5anum ENTER NUMBER

(0 – 90)

C5aunt ENTER UNIT REPORTED

(1) MINUTES

(2) HOURS

☐

BOX 13

IF C5a = 0, D OR R, GO TO C5b

ELSE, GO TO CA6a

C5b On the days that you smoke, would you say you smoke your first cigarette of the day within the first 30 minutes?

- (1) YES
- (2) NO
- (3) VARIES— DO NOT READ

☐

[GO TO CA6a]

CA6a Do you USUALLY BUY your own cigarettes?

- (1) YES
- (2) NO

☐

[IF CA6a = 1, GO TO C6a]

[IF CA6a = 2, D OR R, GO TO C6e1]

C6a Do you USUALLY buy your cigarettes by the pack or by the carton?

FR: A CARTON HAS 10 PACKS

- (1) PACK
- (2) CARTON
- (3) BUY BOTH PACKS AND CARTONS

☐

BOX 14

IF C6a = 1, 3, D OR R, GO TO C6b

IF C6a = 2, GO TO C6c

C6b/C6b2 What price did you pay for the LAST PACK of cigarettes you bought? Please report the cost after using discounts or coupons.

\$ ____ C6b (0-99) ENTER DOLLARS PORTION OF THE PRICE PER PACK

. ____ C6b2 (0-99) ENTER THE CENTS PORTION OF THE PRICE PER PACK

[GO TO C6c4]

C6c/C6c2 What price did you pay for the LAST carton of cigarettes you bought? Please report the cost after using discounts or coupons.

\$ ____ C6c (0-999) ENTER THE DOLLARS PORTION OF THE PRICE PER CARTON
• ____ C6c2 (0-99) ENTER THE CENTS PORTION OF THE PRICE PER CARTON

[GO TO C6c4]

C6c4 Did you use coupons, rebates, or any other special promotions when you bought your LAST (fill appropriate term here from C6a responses...= 1 or 3 or D or R, fill “PACK”; = 2, fill “CARTON”) of cigarettes?

(1) YES

(2) NO

☐

[GO TO C6d1]

C6d1 Did you buy your LAST (fill appropriate term here from C6a responses ...= 1, 3, D or R, fill “PACK”; = 2, fill “CARTON”) of cigarettes in [fill respondent’s state of residence] or in some other state?

(1) IN RESPONDENT’S STATE OF RESIDENCE

(2) IN SOME OTHER STATE (INCLUDING DC)

(3) BOUGHT SOME OTHER WAY (INTERNET, OTHER COUNTRY, INDIAN RESERVATION...)

☐

BOX 15

IF C6d1 =1, ENTER AUTOMATICALLY RESPONDENT’S STATE OF RESIDENCE IN C6d2, GO TO C6d3

ELSE, IF C6d1 = 2, GO TO C6d2

ELSE, IF C6d1 = 3, GO TO C6dOTH

ELSE, GO TO C6e1

C6d2 In what other state did you buy your LAST (fill appropriate term here: pack/carton from C6a responses ... = 1, 3, D or R, fill “PACK”; = 2, fill “CARTON”) of cigarettes?

☐☐ ENTER 2 CHARACTER STATE ABBREVIATION

[GO TO C6d3]

C6d3 Did you buy your LAST (fill appropriate term here from C6a responses ... = 1, 3, D or R, fill “PACK”; = 2, fill “CARTON”) of cigarettes from an Indian reservation?

- (1) YES
- (2) NO

☐

[GO TO C6e1]

C6dOTH Was the “Other Way” in which you purchased your LAST (fill appropriate term here from C6a responses ...= 1, 3, D or R, fill “PACK”; = 2, fill “CARTON”) of cigarettes...

FR: READ THE FIRST THREE CHOICES

- (1) In a foreign country or a duty-free shop
- (2) From an Indian reservation or
- (3) By mail-order, phone or internet
- (4) SOME OTHER WAY (NOT READ)

☐

[GO TO C6e1]

C6e1 In the LAST 2 months, have you bought any SINGLE or INDIVIDUAL cigarettes?

FR: RESPONDENT MAY REFER TO IT AS A “LOOSIE” OR “LOOSE OUT OF THE PACK”.

- (1) YES (BOUGHT)
- (2) NO (DID NOT BUY)

[IF C6e1 = 1, GO TO C6e31]

[IF C6e1 = 2, D OR R, GO TO C6e4]

C6e31 Did you buy your LAST SINGLE or INDIVIDUAL cigarette in [fill respondent’s state of residence] or in some other state or other country?

- (1) IN RESPONDENT’S STATE OF RESIDENCE
- (2) IN SOME OTHER STATE (INCLUDING DC)
- (3) IN ANOTHER COUNTRY
- (4) BOUGHT SOME OTHER WAY (INTERNET, ETC...)

☐

BOX 15B IF C6e31 =1, ENTER AUTOMATICALLY RESPONDENT'S STATE OF RESIDENCE IN C6e32, GO TO C6e4 IF C6e31 = 2 OR 3, GO TO C6e32 ELSE, GO TO C6e4

C6e32 In what OTHER state or other country did you buy your LAST SINGLE OR INDIVIDUAL cigarette?

FR: SELECT STATE OR COUNTRY FROM LIST.

_____ SELECT STATE OR COUNTRY FROM LIST.

[GO TO C6e4]

C6e4 In the LAST 2 months, have you bought loose tobacco to roll-your-own cigarettes?

- (1) YES
- (2) NO

☐

[GO TO C7a]

Past Smoking Behavior for Some-Day Smokers

C7a Have you EVER smoked cigarettes EVERY DAY for at least 6 months?

- (1) YES
- (2) NO

☐

[IF C7a = 1, GO TO C7d]

[IF C7a = 2, D OR R, AND IF C2 = 1, GO TO C7d3]

[ELSE, IF C7a = 2, D OR R, AND C2 = 2, 3, D OR R, GO TO C7d2]

C7d For how long did you smoke EVERY DAY?

FR: READ CHOICES 1-4

- (1) All or nearly all the years you have smoked
- (2) Most of the years you have smoked
- (3) Half of the years you have smoked, OR
- (4) Less than half the years you have smoked
- (5) IF VOLUNTEERED: LESS THAN ONE YEAR

☐

[IF C2 = 1, GO TO C7d3]
[IF C2 = 2, 3, D OR R, GO TO C7d2]

C7d2 Have you EVER smoked MENTHOL cigarettes for 6 months or more?

- (1) YES
- (2) NO

|_|

[IF C7d2 = 1, THEN GO TO C7d3 and fill C7d3 with “did you smoke”]
[IF C7a = 2, D OR R, GO TO C8]
[ELSE, GO TO C7e]

C7d3 For how long [fill “have you smoked” for C2 = 1 / fill “did you smoke” for C7d2 = 1] MENTHOL cigarettes?

FR: READ CHOICES 1-4

- (1) All or nearly all the years you have smoked
- (2) Most of the years you have smoked
- (3) Half of the years you have smoked, OR
- (4) Less than half the years you have smoked
- (5) IF VOLUNTEERED: LESS THAN ONE YEAR

|_|

[IF C7a = 2, D OR R, GO TO C8]
[ELSE, GO TO C7e]

C7e When you last smoked every day, on average how many cigarettes did you smoke each day?

FR: ENTER NUMBER OF CIGARETTES EACH DAY

|_|_| (1-99)

[IF C7e < = 40, GO TO C8]
[IF C7e > 40, GO TO C7ev]
[IF C7e = D OR R, GO TO C8]

C7ev I have recorded that when you last smoked every day, on the average you smoked [fill entry C7e] cigarettes each day. Is that correct?

- (1) YES
- (2) NO

☐

[IF C7ev = 1, D OR R, GO TO C8]

[IF C7ev = 2, GO TO C7e]

C8 Around this time 12 MONTHS AGO, were you smoking cigarettes every day, some days, or not at all?

- (1) Every day
- (2) Some days
- (3) Not at all

☐

[IF C8 = 1, GO TO C9]

[IF C8 = 2, GO TO C10a]

[IF C8 = 3, D OR R, GO TO BOX 18]

C9 Around this time 12 MONTHS AGO, on the average, about how many cigarettes did you smoke each day?

FR: ONE PACK USUALLY EQUALS 20 CIGARETTES. IF CONVERTING PACKS TO CIGARETTES, ALWAYS VERIFY CALCULATION WITH RESPONDENT.

ENTER NUMBER OF CIGARETTES PER DAY

(1-99)

BOX16B

IF C9 = D OR R, GO TO BOX 18

IF C9 > 40, GO TO C9v

ELSE, GO TO BOX 18

C9v I have recorded that on the average, you smoked [fill entry C9] cigarettes a day 12 months ago. Is that correct?

- (1) YES
- (2) NO

☐

[IF C9v = 1, D OR R, GO TO BOX 18]

[IF C9v = 2, GO TO C9]

C10a Around this time 12 MONTHS AGO, on how many of the 30 days in the month did you smoke cigarettes?

FR: ENTER (0) FOR NONE

|_|_| (0 – 30)

BOX 16C

IF C10a = 0 OR 30, GO TO C10av

If C10a = D OR R, GO TO C10b

ELSE, GO TO C10b

C10av You said that you smoked cigarettes some days. Is that correct?

(1) YES

(2) NO

|_|

BOX 16D

IF (C10av = 1 AND C10a = 30), OR C10av = D OR R, GO TO C10b

ELSE, IF C10av = 1 AND C10a = 0, GO TO BOX 18

ELSE, IF C10av = 2, GO TO C8 AND CORRECT

ELSE, GO TO C10b

C10b On the average, on those [fill entry C10a days; If C10a=D OR R, then fill with “days you smoked”], how many cigarettes did you usually smoke each day?

We are still talking about “around this time 12 months ago.”

|_|_| (1-99)

[IF C10b <= 40, GO TO BOX 18]

[IF C10b > 40, GO TO C10bv]

[IF C10b = D OR R, GO TO BOX 18]

C10bv I have recorded that on the average, when you smoked on those [fill entry C10a days; If C10a = D OR R, then fill with “days you smoked”], you smoked [fill entry C10b] cigarettes a day. Is that correct?

(1) YES

(2) NO

☐

[IF C10bv = 2, GO TO C10b AND CORRECT]

BOX 18

IF ENTRY IN C1 $\geq$ 12 DAYS IN THE PAST 30 DAYS, GO TO D1R
(3rd question in Section D)

ELSE, IF C1i = 1, GO TO D1R (3rd question in Section D)

ELSE, IF ENTRY IN C1 < 12, GO TO Da

ELSE, IF C1i = 2, D OR R, GO TO Da

**SECTION D. PAST 12-MONTH QUIT ATTEMPTS FOR CURRENT EVERY-DAY
AND SOME-DAY SMOKERS**

**PAST 12-MONTH QUIT ATTEMPTS FOR SOME-DAY SMOKERS SMOKING <12
DAYS IN THE PAST 30 DAYS**

**Da During the PAST 12 MONTHS, have you TRIED to QUIT smoking
COMPLETELY?**

- (1) YES
(2) NO

☐

[IF Da = 1, GO TO D3b]
[IF Da = 2, D OR R, GO TO Db]

Db Have you EVER TRIED to QUIT smoking COMPLETELY?

- (1) YES
(2) NO

☐

[GO TO F1a]

**PAST 12-MONTH QUIT ATTEMPTS FOR EVERY-DAY AND
SOME-DAY SMOKERS >=12 DAYS DURING THE PAST 30 DAYS**

Quit attempts of 1 day or longer:

**D1R During the PAST 12 MONTHS, have you stopped smoking for ONE DAY or longer
BECAUSE YOU WERE TRYING TO QUIT SMOKING?**

- (1) YES
(2) NO

☐

[IF D1R = 1, GO TO D3]
[IF D1R = 2, D OR R, GO TO D7R]

D3 How many TIMES during the past 12 months have you stopped smoking for one day or longer BECAUSE YOU WERE TRYING TO QUIT SMOKING?

FR: READ CHOICES

- (1) Once (1 time)
- (2) 2-3 times
- (3) 4 or more times

|__|

BOX 19

IF D3 = D OR R, GO TO D3b
ELSE, IF D3 = 1, GO TO D6
ELSE, IF D3 = 2 OR 3, GO TO D6c

D3b Would you say that during the past 12 months it was MORE THAN 3 TIMES that you...[fill “have stopped smoking for one day or longer BECAUSE YOU WERE TRYING TO QUIT SMOKING?” IF D3 = D, R; fill “TRIED to QUIT smoking COMPLETELY?” IF Da = 1]

- (1) YES
- (2) NO

|__|

[GO TO D6c]

D6 During the PAST 12 MONTHS, what is the LENGTH of time of this single quit attempt where you stopped smoking because you were TRYING to quit smoking?

FR: IF QUIT ATTEMPT BEGAN MORE THAN 12 MONTHS AGO BUT ENDED WITHIN THE PAST 12 MONTHS, COUNT ALL OF IT.

D6num ENTER NUMBER (1 - 99)

|__|

D6unt ENTER UNIT REPORTED

- (1) DAYS
- (2) WEEKS
- (3) MONTHS
- (4) YEARS

|__|

BOX 20

IF D6num AND/OR D6unt = D OR R, GO TO D6b
IF D6num >18 AND D6unt = 2, GO TO D6v
IF D6num > 12 AND D6unt=3, GO TO D6v
IF D6num >2 AND D6unt = 4, GO TO D6v
ELSE, GO TO SECTION E

D6v I have recorded that the length of time of this single quit attempt where you stopped smoking in the past 12 months because you were TRYING to quit smoking was [fill entry D6num and D6unt]? Is that correct?

- (1) YES
- (2) NO

|__|

[IF D6v = 1, GO TO SECTION E BOX 21]
[IF D6v = 2, GO TO D6num]

D6b Was it more or less than one week?

- (1) MORE
 - (2) LESS
 - (3) ONE WEEK
- |__|

[GO TO SECTION E, BOX 21]

D6c Thinking of those attempts during the past 12 months, what was the length of time of the ONE attempt that lasted the longest?

FR: IF QUIT ATTEMPT BEGAN MORE THAN 12 MONTHS AGO BUT ENDED WITHIN THE PAST 12 MONTHS, COUNT ALL OF IT.

D6cnum ENTER NUMBER (1 - 99)

|__|

D6cunt ENTER UNIT REPORTED

- (1) DAYS
- (2) WEEKS
- (3) MONTHS
- (4) YEARS

|__|

BOX 20B

IF D6cnum AND/OR D6cunt = D OR R, GO TO D6c2

IF D6cnum >18 AND D6cunt = 2, GO TO D6cv

IF D6cnum > 12 AND D6cunt = 3, GO TO D6cv

IF D6cnum >2 AND D6cunt = 4, GO TO D6cv

ELSE, GO TO SECTION E, BOX 21

D6cv I have recorded that the length of time of your LONGEST single quit attempt where you stopped smoking in the past 12 months because you were TRYING to quit smoking was [fill entry D6cnum and D6cunt]? Is that correct?

(1) YES

(2) NO

| |

[IF D6cv = 1, GO TO SECTION E BOX 21]

[IF D6cv = 2, GO TO D6cnum]

D6c2 Was it more or less than one week?

(1) MORE

(2) LESS

(3) ONE WEEK

| |

[GO TO SECTION E, BOX 21]

Quit attempts of less than a day (if no quit attempts lasting for one DAY or more):

D7R DURING THE PAST 12 MONTHS, have you made a serious attempt to stop smoking because you were TRYING to quit – even if you stopped for less than a day?

(1) YES

(2) NO

| |

[IF D7R = 1, GO TO SECTION E, BOX 21]

[IF D7R = 2, D OR R, GO TO D8R]

D8R Have you EVER made a serious attempt to stop smoking because you were TRYING to quit – even if you stopped for less than a day?

(1) YES

(2) NO

|__|

[GO TO F1a]

**SECTION E. METHODS USED DURING PAST (12-MONTH) QUIT ATTEMPTS
(EVERY-DAY AND SOME-DAY SMOKERS)**

BOX 21

IF D3 = 1, THEN FILL ALL OF E1a, E1b, E1c SERIES WITH “The time”

ELSE, FILL ALL OF E1a, E1b, E1c SERIES WITH “The LAST TIME”

E1a Thinking back to the (LAST TIME/time) you tried to QUIT smoking in the past 12 months:

Did you use ANY of the following PRODUCTS?

(1) YES

(2) NO

E1a123 ☐ A NICOTINE patch, gum, lozenge, nasal spray, or inhaler?

FR: REPEAT THE WORD “NICOTINE” AS NEEDED FOR EACH OF THOSE NICOTINE PRODUCTS

E1a7ab ☐ A prescription pill, called Chantix, Varenicline, Zyban, Bupropion, or Wellbutrin?

FR: CHANTIX IS PRONOUNCED [“CHAN-tix”] AND VARENICLINE IS PRONOUNCED [“va-REN-i-cleen”].

FR: ZYBAN IS PRONOUNCED [“ZYE-ban”], BUPROPION IS PRONOUNCED [“byoo-PROE-pee-on”] AND WELLBUTRIN IS PRONOUNCED [“well-byoo-trin”].

E1b Thinking back to the (LAST TIME/time) you tried to QUIT smoking in the past 12 months:

Did you use ANY of the following?

(1) YES

(2) NO

E1b1 ☐ A telephone help line or quit line?

E1b2 ☐ One-on-one IN-PERSON counseling by a health professional?

E1b3 ☐ A stop smoking clinic, class, or support group?

E1b5 ☐ Internet or web-based program or tool, including smartphone apps and text messaging programs?

E1c The (LAST TIME / time) you tried to QUIT smoking in the past 12 months: Did you do ANY of the following?

FR: FOR THIS QUESTION, RE-READ STEM PERIODICALLY

- (1) YES
- (2) NO

E1c2c ☐ Try to quit by SWITCHING to electronic or e-cigarettes? You may also know them as vape-pens, e-hookahs, vapes, or mods. Some popular brands include NJOY, Blu, Vuse, and JUUL (PRONOUNCED LIKE “JEWEL”).

E1c2 ☐ Try to quit by SWITCHING to smokeless tobacco such as chewing tobacco, snuff, or snus?
FR: PRONOUNCE “SNUS” TO RHYME WITH “GOOSE.”

E1c2e ☐ Try to quit by SWITCHING to nicotine pouches? These are different from other smokeless tobacco products because they do not contain any tobacco leaf. These small white pouches contain nicotine which users place in their mouth. Some popular brands include Zyn (PRONOUNCED “zin”), ON!, Rogue, or Velo (PRONOUNCED “vee-low”).

E1c2b ☐ Try to quit by SWITCHING to regular cigars, cigarillos, little filtered cigars or ANY pipes filled with tobacco?
FR: IF ASKED “ANY PIPES FILLED WITH TOBACCO” INCLUDES EITHER OR BOTH “REGULAR/TRADITIONAL” PIPES AND “WATER OR HOOKAH” PIPES --AS LONG AS THEY ARE FILLED WITH TOBACCO. ALSO, CIGARS SHOULD BE FILLED WITH TOBACCO.

[IF E1c2b = 2, D OR R, GO TO F1a]

[ELSE, GO TO E1c2d]

E1c2d Did you switch to.....

- (1) YES
- (2) NO

E1c2d1 ☐ Cigars, cigarillos, or little filtered cigars?

E1c2d2 ☐ Regular pipes filled with tobacco?

E1c2d3 ☐ Water or hookah (pronounced who-kah) pipes filled with tobacco?

[GO TO F1a]

SECTION F. DOCTOR/DENTIST ADVICE TO STOP SMOKING --- CURRENT AND SOME-DAY SMOKERS

F1a In the PAST 12 MONTHS have you SEEN a medical doctor?

FR: RESPONDENTS SHOULD ANSWER "YES" IF THEY VISITED THEIR DOCTOR FOR ANY MEDICAL REASON (NOT ONLY FOR SMOKING RELATED REASONS).

(1) YES

(2) NO

|__|

[IF F1a = 1, GO TO F1b]

[IF F1a = 2, D OR R, GO TO G1]

F1b During the PAST 12 MONTHS, did any medical doctor ADVISE you to stop smoking?

(1) YES

(2) NO

|__|

[GO TO G1]

SECTION G. STAGES OF CHANGE – EVERY DAY/SOME-DAY SMOKERS

G1 Are you seriously considering quitting smoking within the next 6 months?

(1) YES

(2) NO

|__|

[IF G1 = 1, GO TO G2]

[IF G1 = 2, D OR R, GO TO G3]

G2 Are you planning to quit within the next 30 days?

(1) YES

(2) NO

|__|

[GO TO G3]

G3 Overall, on a scale from 1 to 10 where 1 is NOT AT ALL interested and 10 is EXTREMELY interested, how interested are you in quitting smoking?

FR: Enter a numeric value between 1 and 10.

|__|

[IF G3 = 1, GO TO SECTION J]

[ELSE, GO TO G4]

G4 If you did try to quit smoking altogether in the next 6 months, how **LIKELY** do you think you would be to succeed --- not at all, a little likely, somewhat likely, or very likely?

(1) NOT AT ALL

(2) A LITTLE LIKELY

(3) SOMEWHAT LIKELY

(4) VERY LIKELY

|__|

[ALL EVERY DAY/SOME DAY SMOKERS (A3 = 1 OR 2) GO TO SECTION J]

SECTION H. FORMER SMOKER SECTION

H1NUM/UNT About how long has it been since you **COMPLETELY** quit smoking cigarettes?

H1NUM ENTER NUMBER

(1-99)

H1UNT ENTER UNIT REPORTED

- (1) DAYS
- (2) WEEKS
- (3) MONTHS
- (4) YEARS

BOX 24

IF H1NUM > 18 AND H1UNT = 2, GO TO H1v

IF H1NUM > 30 AND H1UNT = 3, GO TO H1v

IF H1NUM > (AGE - [ENTRY A2]) AND H1UNT = 4, THEN GO TO H1ERR

ELSE, IF H1NUM/UNT IS LESS THAN 5 MONTHS (OR EQUIVALENT), GO TO H1B

ELSE GO TO H2

H1ERR *** FR DO NOT READ ***

It was reported (in item A2) that this person first started smoking greater than [fill AGE - (entry to A2)] years ago. Response of [fill entry H1NUM/UNT] (in item H1NUM/UNT) is inconsistent.

(B) Back to correct

[GO TO H1NUM]

H1v I have recorded that it has been about [fill entry H1NUM and H1UNT] since you completely quit smoking cigarettes? Is that correct?

- (1) YES
- (2) NO

[IF H1v = 1 AND IF H1NUM/UNT IS LESS THAN 5 MONTHS (OR EQUIVALENT),
GO TO H1B]

[ELSE, IF H1v = 1, GO TO H2]

[IF H1v = 2, GO TO H1NUM]

H1B In the PAST 12 months, was [enter duration from H1NUM/UNT] the longest time you stopped smoking cigarettes because you were trying to quit?

(1) YES

(2) NO

| |

[IF H1B = 2, GO TO H1C]

[ELSE, IF H1B = 1, D OR R, GO TO H2]

H1C During the PAST 12 MONTHS, what WAS the LONGEST length of time you stopped smoking because you were TRYING to quit smoking?

OR

Thinking of your attempts to quit during the past 12 months, what was the length of time of the ONE attempt that lasted the longest?

FR: IF QUIT ATTEMPT BEGAN MORE THAN 12 MONTHS AGO BUT ENDED
WITHIN THE PAST 12 MONTHS, COUNT ALL OF IT.

H1Cnum ENTER NUMBER

| | | (1 - 99)

H1Cunt ENTER UNIT REPORTED

(1) DAYS

(2) WEEKS

(3) MONTHS

(4) YEARS

| |

BOX 25

IF H1Cnum AND/OR H1Cunt = D OR R, GO TO H2

IF H1Cnum > 18 AND H1Cunt = 2, GO TO H1Cv

IF H1Cnum > 12 AND H1Cunt = 3, GO TO H1Cv

IF H1Cnum > 2 AND H1Cunt = 4, GO TO H1Cv

ELSE, GO TO H2

H1Cv I have recorded that the LONGEST length of time you stopped smoking in the past 12 months because you were TRYING to quit smoking was [fill entry H1C num and H1Cunt]? Is that correct?

- (1) YES
- (2) NO

☐

[IF H1Cv = 1, GO TO H2]
[IF H1Cv = 2, GO TO H1Cnum]

H2 Have you EVER smoked cigarettes EVERY DAY for at least 6 months?

- (1) YES
- (2) NO

☐

[IF H2 = 1, GO TO H5]
[IF H2 = 2, D OR R, GO TO BOX 26]

H5 For how long did you smoke EVERY DAY?

FR: READ FIRST 4 CHOICES

- (1) All or nearly all the years you have smoked
- (2) Most of the years you have smoked
- (3) Half of the years you have smoked, or
- (4) Less than half the years you have smoked
- (5) IF VOLUNTEERED: LESS THAN ONE YEAR

☐

H5a When you last smoked every day, on average how many cigarettes did you smoke each day?

FR: ENTER NUMBER OF CIGARETTES EACH DAY

(1-99)

[IF H5a <= 40, D OR R, GO TO BOX 26]
[IF H5a > 40, GO TO H5av]

H5av I have recorded that when you last smoked every day, on the average you smoked [fill entry H5a] cigarettes each day. Is that correct?

(1) YES

(2) NO

| |

[IF H5av = 1, GO TO BOX 26]

[IF H5av = 2, GO TO H5a]

BOX 26

IF H1 <= (LESS THAN OR EQUAL TO) 1 YEAR (12 MONTHS, 52 WEEKS, 99 DAYS), GO TO H6
ELSE, GO TO H11a

H6 Around this time 12 MONTHS AGO, were you smoking cigarettes every day, some days, or not at all?

(1) Every day

(2) Some days

(3) Not at all

| |

[IF H6 = 1, GO TO H6A]

[IF H6 = 2, GO TO H6B]

[IF H6 = 3, D OR R, GO TO H6C2]

H6A Around this time 12 MONTHS AGO, on the average, about how many cigarettes did you smoke each day?

FR: ONE PACK USUALLY EQUALS 20 CIGARETTES. IF CONVERTING PACKS TO CIGARETTES, ALWAYS VERIFY CALCULATION WITH RESPONDENT.

ENTER NUMBER OF CIGARETTES PER DAY

| | | (1-99)

BOX 26A

IF H6A > 40, GO TO H6Av
ELSE, GO TO H6C2

H6Av I have recorded that on the average, you smoked [fill entry H6A] cigarettes a day 12 months ago. Is that correct?

(1) YES

(2) NO

| |

[IF H6Av = 1, GO TO H6C2]

[IF H6Av = 2, GO TO H6A TO CORRECT]

H6B Around this time 12 MONTHS AGO, on how many of 30 days in the month did you smoke cigarettes?

FR: ENTER (0) FOR NONE

| | | (0-30)

BOX 26B

IF H6B = 0 OR 30, THEN GO TO H6Bv

ELSE, GO TO H6C

H6Bv You said that you smoked cigarettes some days. Is that correct?

(1) YES

(2) NO

| |

BOX 26C

IF H6Bv = 1 AND H6B = 30, GO TO H6C

ELSE, IF H6Bv = 1 AND H6B = 0, GO TO H6C2

ELSE, IF H6Bv = 2, GO TO H6

H6C On the average, on those [fill entry H6B] days, how many cigarettes did you usually smoke each day?

We are still talking about “around this time 12 months ago”.

| | |

[IF H6C <= 40, D OR R, GO TO H6C2]

[ELSE, GO TO H6Cv]

H6Cv I have recorded that on the average, when you smoked on those [fill entry H6B] days, you smoked [fill entry H6C] cigarettes a day. Is that correct?

- (1) YES
- (2) NO

☐

[IF H6Cv = 2, GO TO H6C]
[IF H6Cv = 1, GO TO H6C2]

H6C2 Thinking back to the 12 MONTHS BEFORE YOU QUIT SMOKING CIGARETTES, during that time, did you usually smoke menthol or non-menthol cigarettes?

- (1) MENTHOL
- (2) NON-MENTHOL
- (3) NO USUAL TYPE

☐

[IF H6C2 = 1, GO TO H6C5]
[IF H6C2 = 2, 3, D OR R, GO TO H6C4]

H6C4 Have you EVER smoked MENTHOL cigarettes for 6 months or more?

- (1) YES
- (2) NO

☐

[IF H6C4 = 1, GO TO H6C5]
[ELSE, GO TO H6d]

H6C5 For how long did you smoke MENTHOL cigarettes?

FR: READ FIRST 4 CHOICES

- (1) All or nearly all the years you have smoked
- (2) Most of the years you have smoked
- (3) Half of the years you have smoked, or
- (4) Less than half the years you have smoked
- (5) IF VOLUNTEERED: LESS THAN ONE YEAR

☐

H6d Now I would like to ask about **HOW** you went about completely quitting smoking. When you quit smoking completely, did you use **ANY** of the following **PRODUCTS**:

- (1) YES
- (2) NO

H6d123 ☐ **A NICOTINE...patch, gum, lozenge, nasal spray, or inhaler?**
FR: REPEAT THE WORD “NICOTINE” *AS NEEDED* FOR EACH OF THOSE NICOTINE PRODUCTS

H6d7ab ☐ **A prescription pill, called Chantix, Varenicline, Zyban, Bupropion, or Wellbutrin?**
FR: CHANTIX IS PRONOUNCED [“CHAN-tix”] AND VARENICLINE IS PRONOUNCED [“va-REN-i-cleen”] ZYBAN IS PRONOUNCED [“ZYE-ban”], BUPROPION IS PRONOUNCED [“byoo-PROE-pee-on”] AND WELLBUTRIN IS PRONOUNCED [“well-byoo-trin”].

H6e1 When you quit smoking completely, did you use **ANY** of the following:

- (1) YES
- (2) NO

FR: FOR THIS QUESTION, RE-READ STEM PERIODICALLY

H6e1 ☐ **A telephone help line or quit line?**

H6e2 ☐ **One-on-one IN-PERSON counseling by a health professional?**

H6e3 ☐ **A stop smoking clinic, class, or support group?**

H6e5 ☐ **Internet or a web-based program or tool, including smartphone apps and text messaging programs?**

H6F When you quit smoking completely, did you do **ANY** of the following, whether or not you think they were effective:

FR: FOR THIS QUESTION, RE-READ STEM PERIODICALLY

- (1) YES
- (2) NO

H6Fa2c ☐ **Try to quit by SWITCHING to electronic or e-cigarettes? You may also know them as vape-pens, e-hookahs, vapes, or mods. Some popular**

brands include NJOY, Blu, Vuse, and JUUL (PRONOUNCED LIKE “JEWEL”).

H6Fa2 ☐ Try to quit by SWITCHING to smokeless tobacco such as chewing tobacco, snuff, or snus?
FR: PRONOUNCE “SNUS” TO RHYME WITH “GOOSE.”

H6Fa2e ☐ Try to quit by SWITCHING to nicotine pouches? These are different from other smokeless tobacco products because they do not contain any tobacco leaf. These small white pouches contain nicotine which users place in their mouth. Some popular brands include Zyn (PRONOUNCED “zin”), ON!, Rogue, or Velo (PRONOUNCED “vee-low”).

H6Fa2b ☐ Try to quit by SWITCHING to regular cigars, cigarillos, little filtered cigars or ANY pipes filled with tobacco?
FR: IF ASKED “ANY PIPES FILLED WITH TOBACCO” INCLUDES EITHER OR BOTH “REGULAR/TRADITIONAL” PIPES AND “WATER OR HOOKAH” PIPES --AS LONG AS THEY ARE FILLED WITH TOBACCO. ALSO, CIGARS SHOULD BE FILLED WITH TOBACCO.

[IF H6Fa2b = 2, D OR R, GO TO H61a]
[ELSE, GO TO H6Fa2d]

H6Fa2d Did you switch to.....

- (1) YES
- (2) NO

H6Fa2d1 ☐ Cigars, cigarillos, or little filtered cigars?

H6Fa2d2 ☐ Regular pipes filled with tobacco?

H6Fa2d3 ☐ Water or hookah (pronounced who-kah) pipes filled with tobacco?

H61a In the 12 MONTHS BEFORE you COMPLETELY quit smoking, did you SEE a medical doctor?

FR: RESPONDENTS SHOULD ANSWER “YES” IF THEY VISITED THEIR DOCTOR FOR ANY MEDICAL REASON (NOT ONLY FOR SMOKING RELATED REASONS).

- (1) YES
- (2) NO

☐

[IF H61a = 1, GO TO H61b]
[IF H61a = 2, D OR R, GO TO H8a]

H61b During the 12 MONTHS BEFORE you completely quit smoking, did any medical doctor ADVISE you to stop smoking?

- (1) YES
- (2) NO

☐

[GO TO H8a]

H8a During the 12 MONTHS before you quit smoking, how soon after you woke up did you typically smoke your first cigarette of the day?

FR: IF NECESSARY, ASK FOR BEST ANSWER IN MINUTES OR HOURS
ENTER (0) IF RESPONDENT INSISTS IT VARIES

H8aNUM ENTER NUMBER

(0 – 90)

H8aUNT ENTER UNIT REPORTED

- (1) MINUTES
- (2) HOURS

☐

BOX 29
IF H8aNUM = 0, D OR R, GO TO H8b ELSE, GO TO SECTION J

H8b During the 12 months before you quit smoking, would you say you smoked your first cigarette of the day within the first 30 minutes of awakening?

- (1) YES
- (2) NO
- (3) VARIES— DO NOT READ

|_|

[GO TO SECTION J]

[The menthol questions are repeated again below for those who stopped smoking greater than 1 year ago (or EQUIVALENT), OR H1 = D, R -- as indicated in Box 26.

H11a Thinking back to the 12 MONTHS BEFORE YOU COMPLETELY QUIT SMOKING CIGARETTES, during that time, DID YOU USUALLY SMOKE menthol or non-menthol cigarettes?

- (1) MENTHOL
- (2) NON-MENTHOL
- (3) NO USUAL TYPE

|_|

[IF H11a = 1, GO TO H11d]
[IF H11a =2, 3, D OR R, GO TO H11c]

H11c Have you EVER smoked MENTHOL cigarettes for 6 months or more?

- (1) Yes
- (2) No

|_|

[IF H11c= 1, GO TO H11d]
[ELSE, GO TO SECTION J]

H11d For how long did you smoke MENTHOL cigarettes?

FR: READ FIRST 4 CHOICES

- (1) All or nearly all the years you have smoked
- (2) Most of the years you have smoked
- (3) Half of the years you have smoked, or
- (4) Less than half the years you have smoked
- (5) IF VOLUNTEERED: LESS THAN ONE YEAR

|_|

[GO TO SECTION J]

SECTION J. OTHER TOBACCO USE – ALL RESPONDENTS

J The next questions are about the use of tobacco other than in cigarettes.

ENTER 1 TO CONTINUE

J1a (Have/Has) (you/name) EVER used any of the following EVEN ONE TIME?

- (1) YES
- (2) NO

J1a1 ☐ ...A regular cigar or cigarillo (in Spanish use “medium size cigar” instead of the word “cigarillo”) OR a little filtered cigar?

FR: IF ASKED, “cigar smoking” ONLY INCLUDES CIGAR TOBACCO. IT DOES NOT INCLUDE SMOKING CIGARS ONLY WITH MARIJUANA (OR “BLUNTS”), HASHISH OR OTHER SUBSTANCES.

FR: Regular cigars ARE DIFFERENT FROM little filtered cigars. THEY CAN BE large cigars, OR SMALLER IN SIZE SUCH AS cigarillos (IN SPANISH USE “medium size cigars” INSTEAD OF THE WORD “cigarillos” HERE.) THEY ARE USUALLY SOLD INDIVIDUALLY OR IN PACKS OF **2 OR 3**. SOME COMMON BRANDS ARE BLACK AND MILD’S, SWISHER SWEETS CIGARILLOS, AND PHILLIES BLUNTS, BUT THERE ARE OTHERS.

FR: Little filtered cigars ARE DIFFERENT FROM regular cigars and cigarillos (IN SPANISH USE “medium size cigars” instead of word “cigarillos” here). THEY RESEMBLE CIGARETTES IN SIZE, AND ARE OFTEN SOLD IN PACKS OF 20. THEY ARE USUALLY BROWN IN COLOR AND HAVE A SPONGY FILTER LIKE A CIGARETTE. SOME COMMON BRANDS ARE PRIME TIME, WINCHESTER, AND CHEYENNE LITTLE FILTERED CIGARS, BUT THERE ARE OTHERS.

J1a2 ☐ ...A regular pipe filled with tobacco?

FR: IF ASKED, “pipe smoking” ONLY INCLUDES PIPE TOBACCO. IT DOES NOT INCLUDE SMOKING HASHISH, MARIJUANA, CRACK, OR OTHER SUBSTANCES IN A PIPE. DO NOT INCLUDE WATER PIPES/HOOKAHS (who-kahs) OR OTHER NAMES: SHISHA, NARGHILE, ARGILEH, OR HUBBLE-BUBBLE.

J1a3 ☐ ...A water pipe or hookah (who-kah) pipe filled with tobacco?

FR: IF ASKED, “water pipe or hookah (who-kah) pipe smoking” ONLY INCLUDES PIPE TOBACCO. IT DOES NOT INCLUDE SMOKING HASHISH, MARIJUANA, CRACK, OR

OTHER SUBSTANCES IN A PIPE. A WATER PIPE OR HOOKAH (who-kah) PIPE IS ALSO REFERRED TO AS A SHISHA, NARGHILE, ARGILEH OR HUBBLE-BUBBLE.

J1a3.5 INTRO: The next question is about electronic or e-cigarettes. You may also know them as vape-pens, e-hookahs, vapes, or mods. Some look like cigarettes, and others look like pens or are rectangular or box-shaped. These are battery-powered, usually contain liquid nicotine, and produce vapor instead of smoke. Some popular brands include NJOY, Blu, Vuse, and JUUL (PRONOUNCED LIKE “JEWEL”).

J1a3.5 (Have/Has)(you/name) EVER used e-cigarettes EVEN ONE TIME?

- (1) YES
- (2) NO

☐

FR: E-CIGARETTES AND SIMILAR PRODUCTS CAN BE BOUGHT AS ONE-TIME, DISPOSABLE PRODUCTS, AS RE-USABLE KITS WITH A POD, CARTRIDGE, OR WITH REFILLABLE TANKS. THESE ITEMS CONTAIN A NICOTINE AND/OR FLAVORED LIQUID. SOME OF THESE PRODUCTS LOOK LIKE REGULAR CIGARETTES OR PENS, AND SOME ARE RECTANGULAR OR BOX-SHAPED. POPULAR BRANDS INCLUDE NJOY, BLU, VUSE, AND JUUL (PRONOUNCED LIKE “JEWEL”).

FR: PRONOUNCE “SNUS” TO RHYME WITH “GOOSE.”

J1a4 INTRO: The next question is about smokeless tobacco products which contain tobacco leaf and are used in the mouth. This includes moist snuff, dip, spit, chew tobacco, or snus. Some popular brand names include Grizzly, Skoal, Copenhagen, and Camel Snus, among others. Smokeless tobacco products do not include nicotine pouches such as Zyn (PRONOUNCED “zin”), Rogue, ON!, and Velo (PRONOUNCED “vee-low”).

J1a4 (Have/Has) (you/name) EVER used smokeless tobacco EVEN ONE TIME?

- (1) YES
- (2) NO

☐

FR: Snuff or dip IS COMMONLY PLACED BETWEEN THE GUM AND LIP AND SOLD IN ROUND CANS IN --A LOOSE FORM OR A POUCH THAT LOOKS LIKE A

SMALL TEA-BAG; COMMON BRANDS ARE SKOAL, COPENHAGEN AND GRIZZLY BUT THERE ARE OTHERS. DOES NOT INCLUDE NICOTINE POUCHES SUCH AS ZYN (PRONOUNCED “zin”), Rogue, ON!, OR VELO (PRONOUNCED “vee-low”).

Chewing or spit tobacco (ALSO TWIST, PLUG OR SCRAP) IS USUALLY PLACED IN THE SIDE OF THE MOUTH AND CHEWED AND OFTEN SOLD IN WALLET-SIZED POUCHES; COMMON BRANDS ARE AMERICA’S BEST CHEW (FORMERLY KNOWN AS REDMAN), LEVI- GARRETT, AND BEECH-NUT, BUT THERE ARE OTHERS.

Snus IS A SPITLESS TOBACCO PRODUCT THAT MAY BE SOLD IN A TIN OR SLIDEPACK IN A LOOSE FORM OR IN SMALL TEABAG-LIKE POUCHES; COMMON BRANDS ARE CAMEL SNUS, MARLBORO SNUS, AND SKOAL SNUS. DOES NOT INCLUDE NICOTINE POUCHES SUCH AS ZYN (PRONOUNCED “zin”), Rogue, ON!, OR VELO (PRONOUNCED “VEE-LOW”).

J1a5r INTRO: The next question is about nicotine pouches. These are different from other smokeless tobacco products because they do not contain any tobacco leaf. These small white pouches contain nicotine which users place in their mouth. Some popular brand names include Zyn (PRONOUNCED “zin”), Rogue, ON!, or Velo (PRONOUNCED “vee-low”).

J1a5r (Have/Has)(you/name) EVER used a nicotine pouch EVEN ONE TIME?

- (1) YES
- (2) NO
- (3) NEVER HEARD OF IT

☐

J1a6 INTRO: The next question is about heated tobacco products. Some people refer to these as “heat-not-burn” tobacco products. These heat TOBACCO STICKS or CAPSULES to produce a vapor. They are different from e-cigarettes, which heat a LIQUID to produce a vapor. Some brands of heated tobacco products include IQOS (PRONOUNCED “eye-kos”), glo (PRONOUNCED “glow”), and Eclipse.

J1a6 (Have/Has)(you/name) ever tried a “heated tobacco product”, EVEN ONE TIME?

- (1) YES
- (2) NO

☐

BOX 31

IF (J1a1 THROUGH J1a6 = NO, D or R) AND:
IF PROXY RESPONDENT, GO TO SINTTP
IF SELF RESPONDENT, GO TO SECTION K)
ELSE, IF ANY J1a1-6 = YES (1) GO TO J2a1-6 FOR THOSE
PRODUCTS

BOX 32

ASK J2a FOR EACH YES ENTRY IN J1a1 THROUGH J1a6

J2a/J2a1-6 (Do you/Does [name]) NOW (smoke/use) [fill entry in J1a = 1] every day, some days or not at all? [J1a1-6 entries: smoke regular cigars, or cigarillos or little filtered cigars..../ smoke a regular pipe filled with tobacco.../smoke a water pipe or hookah pipe filled with tobacco..../ use an e-cigarette / use smokeless tobacco such as moist snuff, dip, spit, chew tobacco or snus / use nicotine pouches / use heated tobacco products]

- (1) EVERY DAY
- (2) SOME DAYS
- (3) NOT AT ALL

☐

[IF (J2a2 = 1 OR 2) AND (J2a3 = 1 OR 2), ASK J2a3v. ELSE SKIP.]

J2a3v (Do you/Does [name]) currently smoke BOTH regular pipes AND water pipes or hookah (who-kah) pipes?

- (1) YES
- (2) NO

☐

[IF J2A3V = 2, GO TO J2A2 AND J2A3 TO CORRECT AND THEN PROCEED TO BOX 33]

BOX 33

IF J2a = 1 OR 3:

IF PROXY: IF LAST ENTRY FROM J1a -> GO TO SINTTP
ELSE REPEAT J2a FOR NEXT YES ENTRY IN J1a1-6

IF J2a=1:

IF SELF: IF J2a6 (HEATED TOBACCO) IS 1 (EVERY DAY) AND ONLY
ENTRY FROM J1a, GO TO SECTION K

ELSE, IF J2a5r (NICOTINE POUCHES) IS 1 (EVERY DAY) AND
ONLY ENTRY FROM J1a, GO TO BOX 33C.

ELSE, IF J2a1 (CIGARS) IS 1 (EVERY DAY) AND LAST ENTRY
FROM J1a, GO TO BOX 33B.

ELSE REPEAT J2a FOR NEXT YES ENTRY IN J1a1-6 AND FOR
EACH ENTRY J2a1-5r = 1, GO TO APPROPRIATE FLAVOR
ITEM]

IF J2a=3;

IF SELF: IF LAST ENTRY FROM J1a, THEN GO TO BOX Jd
ELSE REPEAT J2a FOR NEXT YES ENTRY IN J1a1-6

FOR EACH ENTRY J2a1-4=3 (NOT AT ALL), ASK HOW LONG HAS IT BEEN SINCE YOU
COMPLETELY STOPPED SMOKING // USING... CIGARS
/ PIPES // E-CIGARETTES / SMOKELESS TOBACCO, GO
TO Jd1/2.

IF J2a = 2: (Some Day Smokers)

IF PROXY: IF LAST YES ENTRY FROM J1a1-6, THEN GO TO SINTTP
ELSE REPEAT J2a FOR NEXT YES ENTRY IN J1a1-6

IF SELF: GO TO J2b

IF J2a = D OR R (-2 or -3), GO BACK TO J2a for next item (ie. pipes, etc.)

IF J2a = D OR R (-2 or -3) AND IF LAST ENTRY FROM J1a1-6, THEN GO TO BOX 34

J2b/J2b1-6 On how many of the past 30 days did you (smoke/use) [fill entry J1a1-6]?

[ASK SEPARATELY FOR EACH “YES” ENTRY IN J1a AND WITH J2a = 2]

ENTER NUMBER OF DAYS OR ENTER (0) FOR NONE

|_|_| (0-30)

BOX 33A

IF ENTRY IN J2b = 0 OR 30 (J2b1=6 = 0 OR 30), GO TO J2b1-6v.
AFTER OBTAINING ALL RELEVANT RESPONSES TO THIS QUESTION (J2b1-6),
GO TO BOX 33B.

J2b1-6v

You said that you (smoked/used) [fill entry J1a] some days. Is that correct?

[ASK SEPARATELY FOR EACH “YES” ENTRY IN J1a WITH J2b = X (0) OR 30]

(1) YES

(2) NO [GO TO RELEVANT J2a1-6 AND CORRECT]

☐

NOTE: THE J2a, J2b, and J2bv (as needed) SERIES IS REPEATED FOR EACH YES
ENTRY IN J1a1-6 AS APPROPRIATE.

BOX 33B

AFTER OBTAINING ALL RELEVANT RESPONSES TO THIS QUESTION (J2b1-6v):

- IF CURRENT CIGAR USE AND USED IN PAST 30 DAYS (J2a1 = 1 OR (J2a1 = 2 and J2b1 $\geq$ 1)), GO TO Jb.
- ELSE, IF CURRENT NICOTINE POUCH USE AND USED IN THE PAST 30 DAYS (J2a5r = 1 OR (J2a5r = 2 AND J2b5R $\geq$ 1)), GO TO Jg.
- ELSE, IF CURRENT PIPE, HOOKAH, E-CIGARETTE, OR SMOKELESS TOBACCO USE AND USED IN THE PAST 30 DAYS (J2a2-4 = 1 OR (J2a2-4 = 2 AND J2b2-4 $\geq$ 1)), GO TO BOX 33D.
- ELSE, GO BOX 33G. (NO FURTHER QUESTIONS ABOUT HEATED TOBACCO CURRENT USE.)]

Jb During the PAST 30 days, did you use ...

(1) YES

(2) NO

☐ (1) Regular/large cigars?

☐ (2) Cigarillos (in Spanish use “medium size cigars” instead of the word
“cigarillos” here)?

☐ (3) Little filtered cigars?

BOX 33C

- IF CURRENT NICOTINE POUCH USE AND USED IN THE PAST 30 DAYS ($J2a5r = 1$ OR ($J2a5r = 2$ AND $J2b5R \geq 1$)), GO TO Jg.
- ELSE, IF CURRENT CIGAR, CIGARILLO, FILTERED CIGAR, PIPE, HOOKAH, E-CIGARETTE, OR SMOKELESS TOBACCO USE AND USED IN THE PAST 30 DAYS ($J2a1-4 = 1$ OR ($J2a1-4 = 2$ AND $J2b1-4 \geq 1$)), GO TO BOX 33D.
- ELSE, GO BOX 33G. (NO FURTHER QUESTIONS ABOUT HEATED TOBACCO CURRENT USE.)]

Jg During the PAST 30 days, what BRAND of nicotine pouches did you use MOST OFTEN?

FR: ENTER CODE FOR BRAND (1-9). ENTER 9 FOR OTHER BRAND NOT ON THE LIST.

THE UNREAD CODES FOR INTERVIEWER ENTRY ARE:

- 1 ZYN
- 2 ON!
- 3 VELO
- 4 ROGUE
- 5 RUSH
- 6 NIIN
- 7 FRĒ
- 8 BIDI POUCHES
- 9 OTHER

[IF Jg = 9, GO TO Jgspc. ELSE, GO TO BOX 33D]

Jgspc Please specify the other brand: _____

FR: ENTER A TEXT OF AT MOST 120 CHARACTERS.

BOX 33D

- IF $J2a1-5r = 1$ OR ($J2a1-5r = 2$ AND $J2b1-5r \geq 1$), GO TO JnflvIN. (USED A PRODUCT (EXCEPT HEATED TOBACCO PRODUCTS EVERY DAY OR SOME DAYS AND IF SOME DAYS, USED ONE DAY OR MORE IN THE LAST 30 DAYS, GO TO JnFlvIN.
- ELSE, GO BOX 33G.

[READ THE JnflvIN ONLY ONCE IF THERE ARE ANY J2a1-5r = 1 OR (J2a1-5r = 2 AND J2b1-5r ≥ 1).]

JnflvIN Some tobacco products come in flavors.

BOX 33E

REPEAT JnflvA FOR EACH CONDITION MET BELOW. (USED A PRODUCT (EXCEPT HEATED TOBACCO PRODUCTS EVERY DAY OR SOME DAYS AND IF SOME DAYS, USED ONE DAY OR MORE IN THE LAST 30 DAYS.

- IF ((J2a1 = 1 OR (J2a1 = 2 AND J2b1 ≥ 1)) AND Jb1 = 1), GO TO JnflvA1a.
- IF ((J2a1 = 1 OR (J2a1 = 2 AND J2b1 ≥ 1)) AND Jb2 = 1), GO TO JnflvA1b.
- IF ((J2a1 = 1 OR (J2a1 = 2 AND J2b1 ≥ 1)) AND Jb3 = 1), GO TO JnflvA1c.
- IF ((J2a1 = 1 OR (J2a1 = 2 AND J2b1 ≥ 1)) AND Jb = D OR R), GO TO JnflvA1d.
- IF (J2a2 = 1 OR (J2a2 = 2 AND J2b2 ≥ 1)), GO TO JnflvA2.
- IF (J2a3 = 1 OR (J2a3 = 2 AND J2b3 ≥ 1)), GO TO JnflvA3.
- IF (J2a3.5 = 1 OR (J2a3.5 = 2 AND J2b3.5 ≥ 1)), GO TO JnflvA35.
- IF (J2a4 = 1 OR (J2a4 = 2 AND J2b4 ≥ 1)), GO TO JnflvA4.
- IF (J2a5r = 1 OR (J2a5r = 2 AND J2b5r ≥ 1)), GO TO JnflvA5r.
- WHEN ALL FLAVOR ITEMS COMPLETE, GO TO BOX 33G.
- ELSE, GO BOX 33G.

BOX 33F

FILL/DISPLAY INSTRUCTIONS FOR JnFlvA

- FOR JnflvA1a, FILL “smoked regular or large cigars” AND DO **NOT** DISPLAY “(7) Tobacco flavored?” as a response option.
- FOR JnflvA1b, FILL “smoked cigarillos” AND DO **NOT** DISPLAY “(7) Tobacco flavored?” as a response option.
- FOR JnflvA1c, FILL “smoked little filtered cigars” AND DO **NOT** DISPLAY “(7) Tobacco flavored?” as a response option.
- FOR JnflvA1d, FILL “smoked a cigar” AND DO **NOT** DISPLAY “(7) Tobacco flavored?” as a response option.
- FOR JnflvA2, FILL “smoked a regular pipe filled with tobacco” AND DO **NOT** DISPLAY “(7) Tobacco flavored?” as a response option.
- FOR JnflvA3, FILL “smoked a water/hookah pipe filled with tobacco” AND DO **NOT** DISPLAY “(7) Tobacco flavored?” as a response option.
- FOR JnflvA35, FILL “used e-cigarettes” AND **DISPLAY** “(7) Tobacco flavored?” as a response option.
- FOR JnflvA4, FILL “used smokeless tobacco” AND DO **NOT** DISPLAY “(7) Tobacco flavored?” as a response option.
- FOR JnflvA5r, FILL “used nicotine pouches” AND **DISPLAY** “(7) Tobacco flavored?” as a response option.

JnflvA [1a-5r]

During the past 30 days, when you [smoked regular or large cigars (for JnflvA1a) / smoked cigarillos (for JnflvA1b) / smoked little filtered cigars (for JnflvA1c) / smoked a cigar (for JnflvA1d) / smoked a regular pipe filled with tobacco (for JnflvA2) / smoked a water/hookah pipe filled with tobacco (for JnflvA3) / used e-cigarettes (for JnflvA35) / used smokeless tobacco (for JnflvA4) / used nicotine pouches (for JnflvA5r)], which of the following flavors did you use?

FR: READ EACH FLAVOR OPTION 1-8, THEN ASK 9 “Some other type of flavor” [IF YES, SPECIFY IN THE NEXT QUESTION]

- (1) YES
- (2) NO

- ☐ (1) Menthol?
- ☐ (2) Mint?
- ☐ (3) Clove, spice, or herb?
- ☐ (4) Fruit?
- ☐ (5) Alcoholic drinks (such as wine or other cocktails)?
- ☐ (6) Candy, dessert, or other sweets?
- ☐ (7) Tobacco flavored?
- ☐ (8) Unflavored?
- ☐ (9) Some other type of flavor?

JnflvA[1a-5r]s Please specify the other flavors: _____

FR: ENTER A TEXT OF AT MOST 120 CHARACTERS.

BOX 33G

IF ((J2a3.5 = 1 OR 2) AND A1 = 1, D, OR R), GO TO Jecigd. (WHEN FINISHED ASKING THE APPROPRIATE FLAVOR SERIES FOR ALL PRODUCTS, IF E-CIGARETTE CURRENT USE AND HAVE EVER SMOKED 100+ CIGARETTES, GO TO Jecigd). ELSE, IF J2a3.5 = 1 OR 2, GO TO Jecig2. ELSE, GO TO BOX Jd.

Jecigd Do you use e-cigarettes to help you quit smoking cigarettes?

- (1) YES
- (2) NO

☐

Jecig2 Which of the following best describes the type of e-cigarette you currently use? If you use more than one type, please think of the one you use most often.

- (1) A disposable e-cigarette,
FR: IF NEEDED, DISPOSABLE E-CIGARETTES ARE ONE-TIME USE PRODUCTS THAT ARE NOT RECHARGEABLE.
- (2) An e-cigarette that uses REPLACEABLE PREFILLED OR REFILLABLE PODS OR CARTRIDGES,
- (3) An e-cigarette with a TANK that you REFILL with LIQUIDS,
- (4) A mod system, or
FR: IF NEEDED, A MOD SYSTEM IS CUSTOMIZED BY THE USER WITH THEIR OWN COMBINATION OF BATTERIES, ATOMIZERS, ETC.
- (5) You don't know the type?

☐

BOX J

FILL INSTRUCTIONS FOR JECIG3 AND JECIG4R:

IF Jecig2 = 1, 5, D OR R, display “e-cigarettes” for Disposable and Unknown device users

IF Jecig2 = 2, display “e-cigarette pods or cartridges” for Pod/Cartridge device users

IF Jecig2 = 3 OR 4, display “e-liquid” for Tank and Mod System device users

Jecig3 Do you usually buy your own {e-cigarettes / e-cigarette pods or cartridges / e-liquid}?

- (1) Yes
- (2) No

☐

[IF Jecig3 = 2, D OR R, GO TO BOX Jd]

Jecig4r Where do you usually buy your own {e-cigarettes / e-cigarette pods or cartridges / e-liquid}...

- (1) At a vape shop or vapor lounge
- (2) At a gas station or convenience store
- (3) On the internet
- (4) Some other way

☐

[IF Jecig4 = 4, GO TO Jecig4ds
ELSE, GO TO JCost1]

Jecig4ds What other way is that? _____

FR: ENTER A TEXT OF AT MOST 120 CHARACTERS.

BOX K

FILL INSTRUCTIONS FOR JCOST1:

IF Jecig2 = 1, 5, D OR R, display “e-cigarettes”
and “single e-cigarettes” for Disposable and
Unknown device users

IF Jecig2 = 2, display “e-cigarette pods or
cartridges” and “single pods or e-cigarette
cartridges” for Pod/Cartridge device users

IF Jecig2 = 3 OR 4, display “bottles of e-liquid”
and “a single bottle of e-liquid” for Tank and Mod
System device users

**Jcost1 Do you usually buy {e-cigarettes / e-cigarette pods or cartridges / bottles of e-liquid}
by the box or pack, or as {single e-cigarettes / single e-cigarette pods or cartridges / a
single bottle of e-liquid}?**

- (1) BOX OR PACK
- (2) SINGLES

☐

[IF Jcost1 = 1, GO TO Jcost2]

[ELSE, GO TO Jcost4]

Cost questions for box/pack purchasers (Jcost1 = 1)

BOX L FILL INSTRUCTIONS FOR JCOST2 AND JCOST3: IF Jecig2 = 1, 5, D OR R, display “e-cigarettes” for Disposable and Unknown device users IF Jecig2 = 2, display “e-cigarette pods or cartridges” for Pod/Cartridge device users IF Jecig2 = 3 OR 4, display “bottles of e-liquid” for Tank and Mod System device users

Jcost2 What price did you pay for the LAST BOX OR PACK of {e-cigarettes / e-cigarette pods or cartridges / bottles of e-liquid} you bought? Please report the cost after using discounts or coupons.

FR: “PRICE PER BOX OR PACK,” ENTER “DOLLARS” ON THE FIRST SCREEN (Jcost2) AND ENTER “CENTS” ON THE NEXT SCREEN (Jcost2a)

Jcost2 \$____(0-999)

Jcost2a .____(0-99)

Jcost3 How many {e-cigarettes / e-cigarette pods or cartridges / bottles of e-liquid} came in the LAST BOX OR PACK you bought?

ENTER NUMBER

|_|_|

[IF Jecig2 =3 OR 4, GO TO Jcost5]

[ELSE, GO TO BOX Jd]

Cost questions for single purchasers (Jcost1 = 2, D OR R)

BOX M

FILL INSTRUCTIONS FOR JCOST4:

IF Jecig2 = 1, 5, D OR R, display “e-cigarette” for Disposable and Unknown device users

IF Jecig2 = 2, display “e-cigarette pod or cartridge” for Pod/Cartridge device users

IF Jecig2 = 3 OR 4, display “bottle of e-liquid” for Tank and Mod System device users

Jcost4 What price did you pay for the LAST {e-cigarette / e-cigarette pod or cartridge / bottle of e-liquid} you bought? Please report the cost after using discounts or coupons.

FR: “PRICE PER SINGLE,” ENTER “DOLLARS” ON THE FIRST SCREEN (Jcost4)
AND ENTER “CENTS” ON THE NEXT SCREEN (Jcost4a)

Jcost4 \$__ __ __ (0-999)

Jcost4a .__ __ (0-99)

[IF (Jecig2 = 3 OR 4) AND (Jecig3 = 1), GO TO Jcost5]

[ELSE, GO TO BOX Jd]

Jcost5 How many MILLILITERS of liquid were in a SINGLE bottle you LAST bought?

FR: IF NEEDED - Common sizes are 5, 15, 30, 60, 100 and 120.

|__|__|__| ENTER NUMBER (3 digits)

BOX Jd

FOR EACH ENTRY J2a1-4 = 3 (NOT AT ALL), GO TO Jd1/2_1-4;

ELSE, IF J2a1-4 = 1, 2 GO TO Jd3.

ELSE, GO TO BOX 34.

FR: IF RESPONDENT HAS INDICATED THAT THE PRODUCT WAS ONLY USED ONCE

OR TWICE, ENTER “CTRL-R₂,” AND DO NOT ASK JD1/2 FOR THAT PRODUCT.

Jd1/2_1-4 About how long has it been since you **COMPLETELY** quit smoking//using --
cigars, cigarillos, or little filtered cigars /a regular pipe filled with tobacco / a
water pipe or hookah (who-kah) pipe filled with tobacco // e-cigarettes /smokeless
tobacco?

Jd11/2/3/3.5/4 NUMBER (1-99)

Jd2 1/2/3/3.5/4 UNITS

(1) DAYS

(2) WEEKS

(3) MONTHS

(4) YEARS

FR: IF RESPONDENT HAS INDICATED THAT THE PRODUCT WAS ONLY USED ONCE
OR TWICE, DO NOT ASK JD3 AND ENTER “0₂” FOR LESS THAN ONE YEAR.

ASK Jd3 SEPARATELY FOR EACH J1a1-4 = 1 (YES) AND J2a1-4 = 1, 2, or 3.

Jd3 In total, how many years [fill “have you smoked/used” when J2a1-4 = 1 or 2 / “did you
smoke/use” when J2a1-4 = 3] cigars or cigarillos or little filtered cigars / a regular pipe
filled with tobacco / a water pipe or hookah pipe filled with tobacco // e-cigarettes
/smokeless tobacco (fill as appropriate from J1a1-4)?

ENTER 0 FOR LESS THAN ONE YEAR

Jd3 1,2,3,3.5,4 (0-99) years

BOX Je

IF J2a3.5 = 3 AND (A1 = 1, D, OR R), GO TO Jfecgrd (ONLY ASK Jfecgrd-OF E-
CIGARETTE FORMER USERS WHO HAVE EVER SMOKED 100+ CIGARETTES)
ELSE, IF J2a3.5 = 3, GO TO Jfecg2.
ELSE, GO TO BOX 34.

Jfecgrd Did you use e-cigarettes to help you quit smoking cigarettes?

(1) YES

(2) NO

Jfecg2 Which of the following best describes the type of e-cigarette you used to use? If you used more than one type, please think of the one you used most often.

- (1) A disposable e-cigarette,
FR: IF NEEDED, DISPOSABLE E-CIGARETTES ARE ONE-TIME USE PRODUCTS THAT ARE NOT RECHARGEABLE.
- (2) An e-cigarette that uses replaceable PREFILLED PODS OR CARTRIDGES,
- (3) An e-cigarette with a TANK that you REFILL with LIQUIDS,
- (4) A mod system, or
FR: IF NEEDED, A MOD SYSTEM IS CUSTOMIZED BY THE USER WITH THEIR OWN COMBINATION OF BATTERIES, ATOMIZERS, ETC.
- (5) You don't know the type?

☐

BOX 34

FOR ANY J2a1-5r = 1 OR 2, GO TO BOX 39.

ELSE, IF RESPONDENT USED ONE "OTHER TOBACCO PRODUCT" [(J2a1-4 = 3 OR J1a1-4 = 2) FOR ALL J1a1-4 AND QUIT THAT PRODUCT WITHIN THE LAST YEAR [Jd1/2 LESS THAN OR EQUAL TO 1 YEAR, 12 MONTHS, 52 WEEKS, 99 DAYS (i.e., 1 YEAR EQUIVALENCE) FOR ONLY ONE "OTHER TOBACCO PRODUCT" J1a1-4] AND THEY NEVER SMOKED 100 CIGARETTES, DIDN'T KNOW OR REFUSED TO REPORT IF THEY SMOKED 100 CIGARETTES OR ARE A FORMER SMOKER WHO QUIT MORE THAN YEAR AGO, [(IF A3 =3 AND H1NUM/UNT > (GREATER THAN) 1 YEAR, 12 MOS., 52 WEEKS, OR EQUIVALENCE) OR (IF A1=2, D, R)] THEN GO TO J3f;

ELSE, IF RESPONDENT USED ONE OR MORE "OTHER TOBACCO PRODUCTS" AND [(J2a1-4=3 OR J1a1-4 = 2) FOR ALL J1a1-4 AND QUIT ONE OR MORE OF THOSE PRODUCTS WITHIN THE LAST YEAR [Jd1/2 LESS THAN OR EQUAL TO 1 YEAR, 12 MONTHS, 52 WEEKS, 99 DAYS (i.e., 1 YEAR EQUIVALENCE) FOR ANY "OTHER TOBACCO PRODUCT" J1a1, 2, 3, 3.5, OR 4] AND ALSO QUIT SMOKING CIGARETTES WITHIN THE LAST YEAR [(IF A3 =3 AND H1NUM/UNT LESS THAN OR EQUAL TO 1 YEAR, 12 MOS., 52 WEEKS, 99 DAYS (i.e., 1 YEAR EQUIVALENCE))], THEN GO TO J3f.

ELSE, IF J1a1-5r = 2 OR J2a = D/R OR ANY COMBINATION OF THESE THREE STIPULATIONS FOR ALL OTHER NON-CIGARETTE TOBACCO PRODUCTS FOR ALL ENTRIES, GO TO SECTION K.

Other tobacco time to first use:

BOX 39

IF ONLY ONE PRODUCT MENTIONED IN J2a IS NOW USED “EVERY DAY” OR “SOME DAYS” [J2a1-5r=1 OR 2], THAT PRODUCT IS USED FOR J3a.

If J2a1=1 or 2, fill with ‘smoke your first cigar’

If J2a2-3=1 or 2, fill with ‘smoke your first regular or hookah pipe filled with tobacco’

If J2a3.5 =1 or 2, fill with ‘use your first e-cigarette’

If J2a4=1 or 2, fill with ‘first use smokeless tobacco’

If J2a5r=1 or 2, fill with ‘use your first nicotine pouch’

ELSE, IF > 1 PRODUCT MENTIONED IN J2a IS NOW USED “EVERY DAY” OR “SOME DAYS [ANY J2a1-5r=1 OR 2] FILL J3a WITH THOSE PRODUCTS,” LIST ALL PRODUCTS NOW USED.

J3a How soon after you wake up do you typically [FILL WITH APPROPRIATE STEM AND ENDING BASED ON RESPONSES TO J2A1-5r—SEE BOX 39 ABOVE]?

FR: IF NECESSARY, ASK FOR BEST ANSWER IN MINUTES OR HOURS

FR: IF RESPONDENTS USE BOTH KINDS OF PIPES, THEY SHOULD BE THINKING OF BOTH KINDS AND ANSWER THE EARLIEST TIME AFTER AWAKENING THEY SMOKE THE FIRST OF THE TWO TYPES OF PIPES.

SIMILARLY, WE ARE ASKING ABOUT THE FIRST USE OF ANY OF THE GROUP OF PRODUCTS NOTED

ENTER (0) in J3a1 IF RESPONDENT INSISTS IT VARIES

J3a1 (0 - 90) ENTER NUMBER

J3a2 ENTER UNIT REPORTED

(1) MINUTES

(2) HOURS

[IF J3a = 0, D OR R, GO TO J3d]

[ELSE, GO TO BOX 39A]

J3d Would you say you first...[FILL WITH APPROPRIATE STEM AND ENDING
BASED ON RESPONSES IN J2a1-5r SIMILAR TO J3a....smoke a cigar/ pipe//use
... an e-cigarette/ smokeless tobacco/ nicotine pouches//other appropriate
combinations... within the first 30 minutes of awakening?

- (1) YES
- (2) NO
- (3) VARIES — **DO NOT READ**

☐

[GO TO BOX 39A]

J3f1/2 In the 12 months BEFORE YOU COMPLETELY QUIT {smoking cigars / smoking
pipes / using e-cigarettes / using smokeless tobacco}, how soon after you woke up did
you typically [fill with appropriate stem and ending based on responses to J2a1-4]
(smoke your first....cigar/ pipe//use your first....e-cigarette/first use smokeless
tobacco) [IF >1 PRODUCT QUIT IN LAST YEAR, LIST ALL PRODUCTS QUIT
IN LAST YEAR]?

FR: IF NECESSARY, ASK FOR BEST ANSWER IN MINUTES OR HOURS
FR: IF RESPONDENTS USE BOTH KINDS OF PIPES, THEY SHOULD BE
THINKING OF BOTH KINDS AND ANSWER THE EARLIEST TIME AFTER
AWAKENING THEY SMOKE THE FIRST OF THE TWO TYPES OF PIPES.
SIMILARLY, WE ARE ASKING ABOUT THE FIRST USE OF ANY OF THE GROUP
OF PRODUCTS NOTED

ENTER (0) in J3f1 IF RESPONDENT INSISTS IT VARIES

J3f1 ENTER NUMBER

(0 - 90)

J3f2 ENTER UNIT REPORTED

- (1) MINUTES
- (2) HOURS

☐

[IF J3f1 = 0, D OR R, GO TO J3g]
[ELSE, GO TO BOX 39A]

J3g Would you say you first used {fill..... cigars/ pipes/ e-cigarettes/ smokeless tobacco}... within the first 30 minutes of awakening?

- (1) YES
- (2) NO
- (3) VARIES— DO NOT READ

☐

BOX 39A

IF A3 = 1 OR 2 (CURRENT CIGARETTE SMOKER) GO TO SECTION K, DO NOT ASK J4-J7.

ELSE, IF ONLY ONE PRODUCT MENTIONED IN J2a (J2a1-4 only) IS NOW USED “EVERY DAY” OR “SOME DAYS” GREATER THAN OR EQUAL TO 12 DAYS” [J2a =1 OR (J2a =2 AND J2b ≥ 12 days)], AND THAT ONE PRODUCT IS NOT NICOTINE POUCHES OR HEATED TOBACCO PRODUCTS, THAT PRODUCT IS USED FOR J4-J6—GO TO J4.

ELSE, IF > 1 PRODUCT MENTIONED IN J2a (J2a1-4) [J2a =1 OR (J2a =2 AND J2b ≥ 12 days) (DO NOT INCLUDE NICOTINE POUCHES OR HEATED TOBACCO PRODUCTS IN THE COUNT), GO TO SECTION K.

ELSE, IF ALL TOBACCO PRODUCTS THAT WERE EVER USED (J1a1-4 = 1) ARE NOT CURRENTLY BEING USED (J2a1-4 = 3, D, R) AND THE REMAINING PRODUCTS WERE NEVER USED (J1a1-4 = 2, D, R) AND CIGARS J2a1 = 3 AND Jd1/2_1) WERE THE ONLY PRODUCT STOPPED DURING THE LAST YEAR (Jd1/2 LESS THAN OR EQUAL TO 1 YEAR, 12 MONTHS, 52 WEEKS, 99 DAYS (i.e., 1 YEAR EQUIVALENCE) AND STOPPED SMOKING CIGARETTES MORE THAN ONE YEAR AGO OR NEVER SMOKED OR ANSWERED D/R AND [(IF A3 =3 AND H1NUM/UNT > 1 YEAR, 12 MOS., 52 WEEKS, (OR OTHER EQUIVALENCE)) OR (IF A1=2, D, R)], THEN GO TO J7AltIN.

ELSE, GO TO SECTION K.

J4 During the PAST 12 MONTHS, have you stopped smoking // using [fill entry based on BOX 39A—cigars / pipes // e-cigarettes / smokeless tobacco] for one day or longer BECAUSE YOU WERE TRYING TO QUIT?

- (1) YES
- (2) NO

[IF J4 = 1, GO TO J6b]

[IF J4 = 2, D OR R, GO TO SECTION K]

J6b Thinking of ANY attempts to stop smoking ...// using ... [fill entry same as J4 fill – cigars/pipes // e-cigarettes/ smokeless tobacco] because you were trying to quit, during the past 12 months, what was the length of time of the ONE attempt that lasted the longest?

FR: IF QUIT ATTEMPT BEGAN MORE THAN 12 MONTHS AGO BUT ENDED WITHIN THE PAST 12 MONTHS, COUNT ALL OF IT.

J6bnum ENTER NUMBER

(1 -99)

J6bunt ENTER UNIT REPORTED

- (1) DAYS
- (2) WEEKS
- (3) MONTHS

[IF (J6num >18 AND J6bunt = 2) OR (J6bnum >12 AND J6bunt = 3), GO TO J6bv]
[ELSE, IF J4 AND J6b FILL IS “CIGARS” (ONLY TOBACCO PRODUCT CURRENTLY USED IS CIGARS), GO TO J7cINT]
[ELSE, GO TO SECTION K]

J6bv I have recorded that the LONGEST length of time you stopped smoking//using [fill entry same fill as J4—cigars/ pipes//e-cigarettes/ smokeless tobacco] in the past 12 months because you were TRYING to quit was [fill entry J6bnum/J6bunt]? Is that correct?

- (1) YES
- (2) NO

[IF J6bv = 2, GO TO J6bnum/unt TO CORRECT]
[ELSE, IF J6bv = 1 AND J4, J6b, AND J6bv FILL IS “CIGARS” (ONLY TOBACCO PRODUCT CURRENTLY USED IS CIGARS), GO TO J7cINT]
[ELSE, GO TO SECTION K]

J7cINT The LAST TIME you tried to QUIT smoking CIGARS in the past 12 months: Did you:

FR: FOR THIS QUESTION, RE-READ STEM IF NECESSARY

- (1) YES
- (2) NO

J7c ☐ Try to quit by SWITCHING to smokeless tobacco such as chewing tobacco, snuff, or snus? DOES NOT INCLUDE NICOTINE POUCHES SUCH AS ZYN (PRONOUNCED “zin”), ON!, OR VELO (PRONOUNCED “vee-low”).
FR: PRONOUNCE “SNUS” TO RHYME WITH “GOOSE.”

J7d ☐ Try to quit by SWITCHING to electronic or e-cigarettes? Some popular brands include NJOY, Blu, Vuse, and JUUL (PRONOUNCED LIKE “JEWEL”).

J7e ☐ Try to quit by SWITCHING to nicotine pouches? These are different from other smokeless tobacco products because they do not contain any tobacco leaf. These small white pouches contain nicotine which users place in their mouth. Some popular brands include Zyn (PRONOUNCED “zin”), ON!, Rogue, or Velo (PRONOUNCED “vee-low”).

[GO TO SECTION K]

J7AltIN When you quit smoking CIGARS completely, did you do ANY of the following, whether or not you think they were effective:

FR: FOR THIS QUESTION, RE-READ STEM IF NECESSARY]

- (1) YES
- (2) NO

J7cAlt ☐ Try to quit by SWITCHING to smokeless tobacco such as chewing tobacco, snuff, or snus? DOES NOT INCLUDE NICOTINE POUCHES SUCH AS ZYN (PRONOUNCED “zin”), ON!, OR VELO (PRONOUNCED “vee-low”).

FR: PRONOUNCE “SNUS” TO RHYME WITH “GOOSE.”

J7dAlt ☐ Try to quit by SWITCHING to electronic or e-cigarettes? Some popular brands include NJOY, Blu, Vuse, and JUUL (PRONOUNCED LIKE “JEWEL”).

J7eAlt ☐ Try to quit by SWITCHING to nicotine pouches? These are different from other smokeless tobacco products because they do not contain any tobacco leaf. These small white pouches contain nicotine which users place in their mouth. Some popular brands include Zyn (PRONOUNCED “zin”), ON!, Rogue, or Velo (PRONOUNCED “vee-low”).

[GO TO SECTION K]

**SECTION K. WORKPLACE POLICY, HOME RULES, PUBLIC OPINION ABOUT
SMOKING IN PUBLIC VENUES**

– ALL SELF RESPONDENTS

BOX41 -- CONTEXT FOR K1- K3 SERIES: IF NOT RETIRED <u>AND</u> HAVE BEEN WORKING FOR PAY OR EMPLOYED IN PAST WEEK <u>AND</u> ARE NOT SELF-EMPLOYED:
--

K1a The next questions are about your place of work.

Do you mainly work indoors or outdoors?

FR: IF RESPONDENT HAS MORE THAN 1 JOB, HAVE HIM/HER ANSWER FOR HIS/HER MAIN JOB.

FR: DO NOT READ THE FIRST 2 CATEGORIES UNLESS NECESSARY. NEVER READ THE REMAINING CATEGORIES.

- (1) INDOORS
- (2) OUTDOORS
- (3) About equally indoors and outdoors
- (4) Works mainly indoors in a non-traditional environment such as warehouse or other similar large semi-structured area
- (5) Mainly travel around to different clients or sites or mainly in a motor vehicle/bus/train/boat/airplane/underground/in a mine, etc.
- (6) Varies

|_ |

[IF K1a = 1, GO TO K1b]

[IF K1a = 4, GO TO K1b1]

[IF K1a = 3, GO TO K1b2]

[IF K1a = 2, 5, 6, D, R, GO TO K4]

K1b Do you mainly work in an office building, in your own home, in someone else's home, or in another indoor place?

- (1) OFFICE BUILDING
- (2) OWN HOME
- (3) SOMEONE ELSE'S HOME
- (4) ANOTHER INDOOR PLACE

[IF K1b = 1, 4, D OR R, GO TO K1b1]

[IF K1b = 2 OR 3, GO TO K4]

K1b1 In which State (including DC) do you work?

FR: ENTER 2 LETTER ABBREVIATION FOR THE STATE.

|_|_|

[GO TO K2a]

K1b2 When you work INDOORS: Do you mainly work in an office building, in your own home, in someone else's home, or in another indoor place?

- (1) OFFICE BUILDING
- (2) OWN HOME
- (3) SOMEONE ELSE'S HOME
- (4) ANOTHER INDOOR PLACE

[IF K1b2 = 1, 4, D OR R, GO TO K1c]

[IF K1b2 = 2 OR 3, GO TO K4]

K1c In which State (including DC) do you work on your main indoor job or business?

FR: ENTER 2 LETTER ABBREVIATION FOR THE STATE.

|_|_|

K2a Is smoking restricted in ANY WAY at your place of work?

FR: READ IF NECESSARY: By restricted, we mean any limitation on smoking, regardless of who is responsible for that restriction (including owner, employer, gov't, union, etc.).

- (1) YES
- (2) NO

|_|

[IF K2a = 1, GO TO K3a]

[IF K2a = 2, D OR R, GO TO K3c]

K3a Which of these best describes the smoking policy at your place of work for INDOOR PUBLIC OR COMMON AREAS, such as lobbies, restrooms, and lunchrooms?

FR: READ THE FIRST 3 ANSWER CATEGORIES ONLY. ENTER (4) IF NOT

APPLICABLE

- (1) Not allowed in ANY public areas
- (2) Allowed in SOME public areas
- (3) Allowed in ALL public areas
- (4) NOT APPLICABLE

☐

K3b Which of these best describes the smoking policy at your place of work for INDOOR WORK AREAS?

FR: READ THE FIRST 3 ANSWER CATEGORIES ONLY. ENTER (4) IF NOT APPLICABLE

- (1) Not allowed in ANY work areas
- (2) Allowed in SOME work areas
- (3) Allowed in ALL work areas
- (4) NOT APPLICABLE

☐

K3c During the PAST TWO WEEKS, has anyone smoked in the area in which you work?

- (1) YES
- (2) NO

☐

[IF K2a = 2, D OR R, GO TO K3c1]

[IF K2a = 1, GO TO K3b1]

K3b1 Which of these best describes the vaping or e-cigarette policy at your place of work for INDOOR PUBLIC OR COMMON AREAS AND INDOOR WORK AREAS?

FR: READ THE FIRST 3 ANSWER CATEGORIES ONLY. ENTER (4) IF NOT APPLICABLE

- (1) Not allowed in ANY public and ANY work areas
- (2) Allowed in SOME public or SOME work areas
- (3) Allowed in ALL public and ALL work areas
- (4) NOT APPLICABLE

☐

[GO TO K3c1]

K3c1 During the PAST TWO WEEKS, has anyone vaped or used e-cigarettes in the area in which you work?

- (1) YES
- (2) NO

☐

[GO TO K4]

K4 The final set of questions are about your home and other places.

Which statement best describes the rules about smoking INSIDE YOUR HOME?

FR: READ ANSWER CATEGORIES

FR: READ IF NECESSARY “HOME” IS WHERE YOU LIVE. “RULES” INCLUDE ANY WRITTEN OR UNWRITTEN “RULES” ESTABLISHED BY PEOPLE RESIDING IN THE HOME, HOMEOWNERS OR PROPERTY LANDLORDS, OR RESIDENTIAL, LOCAL, STATE, OR FEDERAL POLICIES, ETC., AND PERTAIN TO ALL PEOPLE WHETHER OR NOT THEY RESIDE IN THE HOME OR ARE VISITORS, WORKMEN, ETC. “SMOKING” INCLUDES CIGARS, REGULAR AND HOOKAH PIPES, AS WELL AS CIGARETTES.

- (1) No one is allowed to smoke anywhere INSIDE YOUR HOME
- (2) Smoking is allowed in some places or at sometimes INSIDE YOUR HOME
- (3) Smoking is permitted anywhere INSIDE YOUR HOME

☐

K4a Which statement best describes the rules about vaping or using e-cigarettes INSIDE YOUR HOME?

FR: READ ANSWER CATEGORIES

FR: READ IF NECESSARY “HOME” IS WHERE YOU LIVE. “RULES” INCLUDE ANY WRITTEN OR UNWRITTEN “RULES” ESTABLISHED BY PEOPLE RESIDING IN THE HOME, HOMEOWNERS OR PROPERTY LANDLORDS, OR RESIDENTIAL, LOCAL, STATE, OR FEDERAL POLICIES, ETC., AND PERTAIN TO ALL PEOPLE WHETHER OR NOT THEY RESIDE IN THE HOME OR ARE VISITORS, WORKMEN, ETC. “VAPING” INCLUDES USE OF E-CIGARETTES, VAPE-PENS, HOOKAH-PENS, E-HOOKAHS, E-VAPORIZERS, VAPES, OR MODS. POPULAR BRANDS INCLUDE NJOY, BLU, VUSE, AND JUUL (PRONOUNCED

LIKE "JEWEL").

- (1) No one is allowed to vape anywhere INSIDE YOUR HOME
- (2) Vaping is allowed in some places or at sometimes INSIDE YOUR HOME
- (3) Vaping is permitted anywhere INSIDE YOUR HOME

☐

K5a In buildings with MULTIPLE apartments or living areas, do you THINK that smoking should be... ALLOWED INSIDE ALL apartments or living areas, ALLOWED inside SOME apartments, or NOT ALLOWED at ALL inside apartments?

- (1) ALLOWED INSIDE ALL apartments or living areas
- (2) ALLOWED inside SOME apartments
- (3) NOT ALLOWED at ALL inside apartments

☐

K6b In indoor work areas, do you THINK that smoking SHOULD be allowed in ALL areas, allowed in SOME areas, or NOT allowed at ALL?

- (1) Allowed in ALL areas
- (2) Allowed in SOME areas
- (3) NOT Allowed at ALL

☐

K6c Inside bars, cocktail lounges, and clubs, do you THINK that smoking SHOULD be allowed in ALL areas, allowed in SOME areas, or NOT allowed at ALL?

- (1) Allowed in ALL areas
- (2) Allowed in SOME areas
- (3) NOT Allowed at ALL

☐

K6g Inside casinos, do you THINK that smoking SHOULD be allowed in ALL areas, allowed in SOME areas, or NOT allowed at ALL?

- (1) Allowed in ALL areas
- (2) Allowed in SOME areas
- (3) NOT Allowed at ALL

☐

K6h Inside a car, when there are other people present, do you THINK that smoking SHOULD...

- (1) Always be allowed
- (2) Be allowed under some conditions, or
- (3) Never be allowed

☐

[IF K6h = 1, 2, D OR R, GO TO K6h2]
[IF K6h = 3, GO TO SINTTP]

K6h2 IF children are present inside the car, do you think that smoking SHOULD...

- (1) Always be allowed
- (2) Be allowed under some conditions, or
- (3) Never be allowed

☐

S78

*** DO NOT READ ***

Enter line number of the person who
answered the supplement questions for
(NAME)

HOUSEHOLD ROSTER

LN NAME

01 (Person 1)

02 (Person 2)

03 (Person 3)

.....

.....

[GO TO SINTTP]

SINTTP *** DO NOT READ ***

In what language was the interview conducted for this person?

- (1) English
- (2) Spanish
- (3) Chinese
- (4) Korean
- (5) Vietnamese
- (6) Thai -Khmer

(7) Other Asian or Asian unspecified

(8) Other

| |

ATTACHMENT 9

INDUSTRY CLASSIFICATION

Industry Classification Codes for Detailed Industry (4 digit) (Starting January 2020)

These categories are aggregated into 52 detailed groups and 14 major groups (see pages 10-12 of this attachment). The codes in the right-hand column are the NAICS equivalent.

These codes correspond to Items PEIO1ICD and PEIO2ICD, in positions 856-859 and 864-867 of the Basic CPS record layout in all months, **except the ASEC files**. In the **ASEC**, these codes correspond to PEIOIND and INDUSTRY, in the Person record.

Note: The Census industry codes and NAICS codes are based on the 2017 North American Industry Classification System.

2017 CENSUS CODE	DESCRIPTION	2017 NAICS CODE
Agriculture, Forestry, Fishing, and Hunting		
0170	Crop production	111
0180	Animal production and aquaculture	112
0190	Forestry except logging	1131, 1132
0270	Logging	1133
0280	Fishing, hunting, and trapping	114
0290	Support activities for agriculture and forestry	115
Mining, Quarrying, and Oil and Gas Extraction		
0370	Oil and gas extraction	211
0380	Coal mining	2121
0390	Metal ore mining	2122
0470	Nonmetallic mineral mining and quarrying	2123
0490	Support activities for mining	213
Utilities		
0570	Electric power generation, transmission and distribution	2211
0580	Natural gas distribution	2212
0590	Electric and gas, and other combinations	Pts. 2211, 2212
0670	Water, steam, air-conditioning, and irrigation systems	22131, 22133
0680	Sewage treatment facilities	22132
0690	Not specified utilities	Part of 22
Construction		

**2017
CENSUS
CODE**

DESCRIPTION

**2017
NAICS
CODE**

0770	Construction (Includes the cleaning of buildings and dwellings is incidental during construction and immediately after construction)	23
Manufacturing		
1070	Animal food, grain and oilseed milling	3111, 3112
1080	Sugar and confectionery products	3113
1090	Fruit and vegetable preserving and specialty food manufacturing	3114
1170	Dairy product manufacturing	3115
1180	Animal slaughtering and processing	3116
1190	Retail bakeries	311811
1270	Bakeries and tortilla manufacturing, except retail bakeries	3118 exc. 311811
1280	Seafood and other miscellaneous foods, n.e.c.	3117, 3119
1290	Not specified food industries	Part of 311
1370	Beverage manufacturing	3121
1390	Tobacco manufacturing	3122
1470	Fiber, yarn, and thread mills	3131
1480	Fabric mills, except knitting	3132 exc. 31324
1490	Textile and fabric finishing and coating mills	3133
1570	Carpet and rug mills	31411
1590	Textile product mills, except carpets and rugs	314 exc. 31411
1670	Knitting fabric mills, and apparel knitting mills	31324, 3151
1691	Cut and sew, and apparel accessories and other apparel manufacturing	3152, 3159
1770	Footwear manufacturing	3162
1790	Leather and hide tanning and finishing, and other leather and allied product manufacturing	3161, 3169
1870	Pulp, paper, and paperboard mills	3221
1880	Paperboard containers and boxes	32221
1890	Miscellaneous paper and pulp products	32222, 32223, 32229
1990	Printing and related support activities	3231
2070	Petroleum refining	32411
2090	Miscellaneous petroleum and coal products	32419
2170	Resin, synthetic rubber and fibers, and filaments manufacturing	3252
2180	Agricultural chemical manufacturing	3253
2190	Pharmaceutical and medicine manufacturing	3254
2270	Paint, coating, and adhesive manufacturing	3255
2280	Soap, cleaning compound, and cosmetics manufacturing	3256
2290	Industrial and miscellaneous chemicals	3251, 3259
2370	Plastics product manufacturing	3261
2380	Tire manufacturing	32621
2390	Rubber products, except tires, manufacturing	32622, 32629

**2017
CENSUS
CODE****DESCRIPTION****2017
NAICS
CODE**

2470	Pottery, ceramics, and plumbing fixture manufacturing	32711
2480	Clay building material and refractories manufacturing	327120
2490	Glass and glass product manufacturing	3272
2570	Cement, concrete, lime, and gypsum product manufacturing	3273, 3274
2590	Miscellaneous nonmetallic mineral product manufacturing	3279
2670	Iron and steel mills and steel product manufacturing	3311, 3312
2680	Aluminum production and processing	3313
2690	Nonferrous metal (except aluminum) production and processing	3314
2770	Foundries	3315
2780	Metal forgings and stampings	3321
2790	Cutlery and hand tool manufacturing	3322
2870	Structural metals, and boiler, tank, and shipping container manufacturing	3323, 3324
2880	Machine shops; turned product; screw, nut and bolt manufacturing	3327
2890	Coating, engraving, heat treating and allied activities	3328
2970	Ordinance	332992, 332993, 332994, 332996
2980	Miscellaneous fabricated metal products manufacturing	3325, 3326, 3329 exc. 332992, 332993, 332994, 332996
2990	Not specified metal industries	Part of 331 and 332
3070	Agricultural implement manufacturing	33311
3080	Construction, and mining and oil and gas field machinery manufacturing	33312, 33313
3095	Commercial and service industry machinery manufacturing	3333
3170	Metalworking machinery manufacturing	3335
3180	Engine, turbine, and power transmission equipment manufacturing	3336
3291	"Machinery manufacturing, n.e.c. or not specified"	3332, 3334, 3339, Part of 333
3365	Computer and peripheral equipment manufacturing	3341
3370	Communications, audio, and video equipment manufacturing	3342, 3343
3380	Navigational, measuring, electromedical, and control instruments manufacturing	3345
3390	Electronic component and product manufacturing, n.e.c.	3344, 3346
3470	Household appliance manufacturing	3352
3490	Electric lighting and electrical equipment manufacturing, and other electrical component manufacturing, n.e.c.	3351, 3353, 3359
3570	Motor vehicles and motor vehicle equipment manufacturing	3361, 3362, 3363
3580	Aircraft and parts manufacturing	336411, 336412, 336413
3590	Aerospace products and parts manufacturing	336414, 336415, 336419
3670	Railroad rolling stock manufacturing	3365
3680	Ship and boat building	3366
3690	Other transportation equipment manufacturing	3369

2017 CENSUS CODE	DESCRIPTION	2017 NAICS CODE
3770	Sawmills and wood preservation	3211
3780	Veneer, plywood, and engineered wood products	3212
3790	Prefabricated wood buildings and mobile homes manufacturing	321991, 321992
3875	Miscellaneous wood products	3219 exc. 321991, 321992
3895	Furniture and related product manufacturing	337
3960	Medical equipment and supplies manufacturing	3391
3970	Sporting and athletic goods, and doll, toy and game manufacturing	33992, 33993
3980	Miscellaneous manufacturing, n.e.c.	3399 exc. 33992, 33993
3990	Not specified manufacturing industries	Part of 31, 32, 33
Wholesale Trade		
4070	Motor vehicle and motor vehicle parts and supplies merchant wholesalers	4231
4080	Furniture and home furnishing merchant wholesalers	4232
4090	Lumber and other construction materials merchant wholesalers	4233
4170	Professional and commercial equipment and supplies merchant wholesalers	4234
4180	Metals and minerals, except petroleum merchant wholesalers	4235
4195	Household appliances and electrical and electronic goods merchant wholesalers	4236
4265	Hardware, and plumbing and heating equipment, and supplies merchant wholesalers	4237
4270	Machinery, equipment, and supplies merchant wholesalers	4238
4280	Recyclable material merchant wholesalers	42393
4290	Miscellaneous durable goods merchant wholesalers	4239 exc. 42393
4370	Paper and paper products merchant wholesalers	4241
4380	Drugs, sundries, and chemical and allied products merchant wholesalers	4242, 4246
4390	Apparel, piece goods, and notions merchant wholesalers	4243
4470	Grocery and related product merchant wholesalers	4244
4480	Farm product raw material merchant wholesalers	4245
4490	Petroleum and petroleum products merchant wholesalers	4247
4560	Alcoholic beverages merchant wholesalers	4248
4570	Farm supplies merchant wholesalers	42491
4580	Miscellaneous nondurable goods merchant wholesalers	4249 exc. 42491
4585	Wholesale electronic markets and agents and brokers	4251
4590	Not specified wholesale trade	Part of 42

**2017
CENSUS
CODE**

DESCRIPTION

**2017
NAICS
CODE**

Retail Trade

4670	Automobile dealers	4411
4680	Other motor vehicle dealers	4412
4690	Auto parts, accessories, and tire stores	4413
4770	Furniture and home furnishings stores	442
4780	Household appliance stores	443141
4795	Electronics stores	443142
4870	Building material and supplies dealers	4441 exc. 44413
4880	Hardware stores	44413
4890	Lawn and garden equipment and supplies stores	4442
4971	Supermarkets and Other Grocery (except Convenience) Stores	44511
4972	Convenience Stores	44512
4980	Specialty food stores	4452
4990	Beer, wine, and liquor stores	4453
5070	Pharmacies and drug stores	44611
5080	Health and personal care, except drug, stores	446 exc.44611
5090	Gasoline stations	447
5170	Clothing stores	4481
5180	Shoe stores	44821
5190	Jewelry, luggage, and leather goods stores	4483
5275	Sporting goods, and hobby and toy stores	45111, 45112
5280	Sewing, needlework, and piece goods stores	45113
5295	Musical instrument and supplies stores	45114
5370	Book stores and news dealers	45121
5381	Department stores	45221
5391	General merchandise stores, including warehouse clubs and supercenters	4523
5470	Florists	4531
5480	Office supplies and stationery stores	45321
5490	Used merchandise stores	4533
5570	Gift, novelty, and souvenir shops	45322
5580	Miscellaneous retail stores	4539
5593	Electronic shopping and mail-order houses	454110
5670	Vending machine operators	4542
5680	Fuel dealers	454310
5690	Other direct selling establishments	45439
5790	Not specified retail trade	Part of 44, 45

Transportation and Warehousing

6070	Air transportation	481
6080	Rail transportation	482
6090	Water transportation	483
6170	Truck transportation	484
6180	Bus service and urban transit	4851, 4852, 4854, 4855, 4859
6190	Taxi and limousine service	4853

**2017
CENSUS
CODE**

DESCRIPTION

**2017
NAICS
CODE**

6270	Pipeline transportation	486
6280	Scenic and sightseeing transportation	487
6290	Services incidental to transportation	488
6370	Postal Service	491
6380	Couriers and messengers	492
6390	Warehousing and storage	493

Information

6470	Newspaper publishers	51111
6480	Periodical, book, and directory publishers	5111 exc. 51111
6490	Software publishing	5112
6570	Motion pictures and video industries	5121
6590	Sound recording industries	5122
6670	Broadcasting (except internet)	515
6672	Internet publishing and broadcasting and web search portals	51913
6680	Wired telecommunications carriers	517311
6690	Telecommunications, except wired telecommunications carriers	517 exc. 517311
6695	Data processing, hosting, and related services	5182
6770	Libraries and archives	51912
6780	Other information services, except libraries and archives, and internet publishing and broadcasting and web search portals	5191 exc. 51912, 51913

Finance, Insurance, Real Estate, and Rental and Leasing
Finance and Insurance

6870	Banking and related activities	521, 52211, 52219
6880	Savings institutions, including credit unions	52212, 52213
6890	Nondepository credit and related activities	5222, 5223
6970	Securities, commodities, funds, trusts, and other financial investments	523, 525
6991	Insurance carriers	5241
6992	Agencies, brokerages, and other insurance related activities	5242

Real Estate and Rental and Leasing

7071	Lessors of real estate, and offices of real estate agents and brokers	5311, 5312
7072	Real estate property managers, offices of real estate appraisers, and other activities related to real estate	5313
7080	Automotive equipment rental and leasing	5321
7181	Other consumer goods rental	53221, 532281, 532282, 532283, 532284, 532289, 5323
7190	Commercial, industrial, and other intangible assets rental and leasing	5324, 533

**2017
CENSUS
CODE**

DESCRIPTION

**2017
NAICS
CODE**

Professional, Scientific, Management, Administrative, and Waste management services
Professional, Scientific, and Technical Services

7270	Legal services	5411
7280	Accounting, tax preparation, bookkeeping, and payroll services	5412
7290	Architectural, engineering, and related services	5413
7370	Specialized design services	5414
7380	Computer systems design and related services	5415
7390	Management, scientific, and technical consulting services	5416
7460	Scientific research and development services	5417
7470	Advertising, public relations, and related services	5418
7480	Veterinary services	54194
7490	Other professional, scientific, and technical services	5419 exc.

Management of companies and enterprises

7570	Management of companies and enterprises	55
------	---	----

Administrative and support and waste management services

7580	Employment services	5613
7590	Business support services	5614
7670	Travel arrangements and reservation services	5615
7680	Investigation and security services	5616
7690	Services to buildings and dwellings (except cleaning during construction and immediately after construction)	5617 exc. 56173
7770	Landscaping services	56173
7780	Other administrative and other support services	5611, 5612, 5619
7790	Waste management and remediation services	562

Educational Services, and Health Care and Social Assistance

Educational Services

7860	Elementary and secondary schools	6111
7870	Colleges, universities, and professional schools, including junior colleges	6112, 6113
7880	Business, technical, and trade schools and training	6114, 6115
7890	Other schools and instruction, and educational support services	6116, 6117

Health Care and Social Assistance

7970	Offices of physicians	6211
7980	Offices of dentists	6212
7990	Offices of chiropractors	62131
8070	Offices of optometrists	62132
8080	Offices of other health practitioners	6213 exc. 62131, 62132
8090	Outpatient care centers	6214

2017 CENSUS CODE	DESCRIPTION	2017 NAICS CODE
8170	Home health care services	6216
8180	Other health care services	6215, 6219
8191	General medical and surgical hospitals, and specialty (except psychiatric and substance abuse) hospitals	6221, 6223
8192	Psychiatric and substance abuse hospitals	6222
8270	Nursing care facilities (skilled nursing facilities)	6231
8290	Residential care facilities, except skilled nursing facilities	6232, 6233, 6239
8370	Individual and family services	6241
8380	Community food and housing, and emergency services	6242
8390	Vocational rehabilitation services	6243
8470	Child day care services	6244
<i>Arts, Entertainment, and Recreation, and Accommodation and Food Services</i>		
Arts, Entertainment, and Recreation		
8561	Performing arts companies	7111
8562	Spectator sports	7112
8563	Promoters of performing arts, sports, and similar events, agents and managers for artists, athletes, entertainers, and other public figures	7113, 7114
8564	Independent artists, writers, and performers	7115
8570	Museums, art galleries, historical sites, and similar institutions	712
8580	Bowling centers	71395
8590	Other amusement, gambling, and recreation industries	713 exc. 71395
Accommodation and Food Service		
8660	Traveler accommodation	7211
8670	Recreational vehicle parks and camps, and rooming and boarding houses, dormitories, and workers' camps	7212, 7213
8680	Restaurants and other food services	722 exc. 7224
8690	Drinking places, alcoholic beverages	7224
Other Services, Except Public Administration		
8770	Automotive repair and maintenance	8111 exc. 811192
8780	Car washes	811192
8790	Electronic and precision equipment repair and maintenance	8112
8870	Commercial and industrial machinery and equipment repair and maintenance	8113
8891	Personal and household goods repair and maintenance	8114
8970	Barber shops	812111
8980	Beauty salons	812112
8990	Nail salons and other personal care services	812113, 81219
9070	Dry cleaning and laundry services	8123
9080	Funeral homes, cemeteries, and crematories	8122

2017 CENSUS CODE	DESCRIPTION	2017 NAICS CODE
9090	Other personal services	8129
9160	Religious organizations	8131
9170	Civic, social, advocacy organizations, and grant making and giving services	8132, 8133, 8134
9180	Labor unions	81393
9190	Business, professional, political, and similar organizations	8139 exc. 81393
9290	Private households	814
Public Administration		
9370	Executive offices and legislative bodies	92111, 92112, 92114, pt. 92115
9380	Public finance activities	92113
9390	Other general government and support	92119
9470	Justice, public order, and safety activities	922, pt. 92115
9480	Administration of human resource programs	923
9490	Administration of environmental quality and housing programs	924, 925
9570	Administration of economic programs and space research	926, 927
9590	National security and international affairs	928
Military		
9890	Military	928110

Detailed Industry Recodes (01-52)

These codes correspond to Items PRDTIND1 and PRDTIND2 in positions 472-475 of the Basic CPS record layout in all months **except** ASEC. In ASEC, these codes correspond to Item A_DTIND.

CODE	DESCRIPTION	INDUSTRY CODE
1	Agriculture	0170 - 0180, 0290
2	Forestry, logging, fishing, hunting, and trapping	0190 - 0280
3	Mining	0370 - 0490
4	Construction	0770
5	Nonmetallic mineral products	2470 - 2590
6	Primary metals and fabricated metal products	2670 - 2990
7	Machinery manufacturing	3070 - 3291
8	Computer and electronic products	3365 - 3390
9	Electrical equipment, appliance manufacturing	3470, 3490
10	Transportation equipment manufacturing	3570 - 3690
11	Wood products	3770 - 3875
12	Furniture and fixtures manufacturing	3895
13	Miscellaneous and not specified manufacturing	3960 - 3990
14	Food manufacturing	1070 - 1290
15	Beverage and tobacco products	1370, 1390
16	Textile, apparel, and leather manufacturing	1470 - 1790
17	Paper and printing	1870 - 1990
18	Petroleum and coal products	2070, 2090
19	Chemical manufacturing	2170 - 2290
20	Plastics and rubber products	2370 - 2390
21	Wholesale trade	4070 - 4590
22	Retail trade	4670 - 5790
23	Transportation and warehousing	6070 - 6390
24	Utilities	0570 - 0690
25	Publishing industries (except internet)	6470 - 6490
26	Motion picture and sound recording industries	6570, 6590
27	Broadcasting (except internet)	6670
28	Internet publishing and broadcasting	6675
29	Telecommunications	6680, 6690
30	Internet service providers and data processing services	6692, 6695
31	Other information services	6770, 6780
32	Finance	6870 - 6970
33	Insurance	6990
34	Real estate	7070
35	Rental and leasing services	7080 - 7190
36	Professional and technical services	7270 - 7490
37	Management of companies and enterprises	7570
38	Administrative and support services	7580 - 7780

CODE	DESCRIPTION	INDUSTRY CODE
39	Waste management and remediation services	7790
40	Educational services	7860 - 7890
41	Hospitals	8190
42	Health care services, except hospitals	7970 - 8180,
43	Social assistance	8370 - 8470
44	Arts, entertainment, and recreation	8560 - 8590
45	Accommodation	8660, 8670
46	Food services and drinking places	8680, 8690
47	Repair and maintenance	8770 - 8890
48	Personal and laundry services	8970 - 9090
49	Membership associations and organizations	9160 - 9190
50	Private households	9290
51	Public administration	9370 - 9590
52	Military	9890

Major Industry Recodes (01-14)

These codes correspond to Items PRMJIND1 and PRMJIND2 located in positions 482-485 of the Basic CPS record layout in all months **except** ASEC. In ASEC, these codes correspond to Item A_MJIND.

CODE	DESCRIPTION	INDUSTRY CODE
1	Agriculture, forestry, fishing, and hunting	0170-0290
2	Mining, Quarrying, and Oil and Gas Extraction	0370-0490
3	Construction	0770
4	Manufacturing	1070-3990
5	Wholesale and retail trade	4070-5790
6	Transportation and Warehousing, and Utilities	6070-6390, 0570-0690
7	Information	6470-6780
8	Finance and Insurance, and Real Estate and Rental and Leasing	6870-7190
9	Professional, Scientific, and Management, and Administrative, and Waste Management Services	7270-7790
10	Educational Services, and Health Care and Social Assistance	7860-8470
11	Arts, Entertainment, and Recreation, and Accommodation and Food Services	8561-8690
12	Other Services, Except Public Administration	8770-9290
13	Public administration	9370-9590
14	Military	9890

ATTACHMENT 10

OCCUPATION CLASSIFICATION

(Beginning January 2020)

These categories are aggregated into 23 detailed groups and 11 major groups (see pages 10-17 and 10-18). The codes in the right hand column are the 2018 SOC equivalent.

These codes correspond to items PTIO1OCD and PTIO2OCD in positions 860-863 and 868-871 of the Basic CPS record layout in all months, **except the ASEC files**. In **ASEC**, these codes correspond to items PEIOOCC and OCCUP of the Persons Record. These codes are also applicable for any other CPS supplements that collect occupation data.

2018 CENSUS CODE	DESCRIPTION	2018 SOC CODE
------------------------	-------------	------------------

Management, Business, Science, and Arts Occupations

Management Occupations

0010	Chief executives	11-1011
0020	General and operations managers	11-1021
0040	Advertising and promotions managers	11-2011
0051	Marketing managers	11-2021
0052	Sales managers	11-2022
0060	Public relations and fundraising managers	11-2030
0101	Administrative services managers	11-3012
0102	Facilities managers	11-3013
0110	Computer and information systems managers	11-3021
0120	Financial managers	11-3031
0135	Compensation and benefits managers	11-3111
0136	Human resources managers	11-3121
0137	Training and development managers	11-3131
0140	Industrial production managers	11-3051
0150	Purchasing managers	11-3061
0160	Transportation, storage, and distribution managers	11-3071
0205	Farmers, ranchers, and other agricultural managers	11-9013
0220	Construction managers	11-9021
0230	Education and childcare administrators	11-9030
0300	Architectural and engineering managers	11-9041
0310	Food service managers	11-9051
0335	Entertainment and recreation managers	11-9070
0340	Lodging managers	11-9081
0350	Medical and health services managers	11-9111
0360	Natural sciences managers	11-9121
0410	Property, real estate, and community association managers	11-9141
0420	Social and community service managers	11-9151
0425	Emergency management directors	11-9161
0440	Other managers	11-91XX

Business and Financial Operations Occupations

0500	Agents and business managers of artists, performers, and athletes	13-1011
0510	Buyers and purchasing agents, farm products	13-1021
0520	Wholesale and retail buyers, except farm products	13-1022
0530	Purchasing agents, except wholesale, retail, and farm products	13-1023
0540	Claims adjusters, appraisers, examiners, and investigators	13-1030
0565	Compliance officers	13-1041
0600	Cost estimators	13-1051
0630	Human resource workers	13-1070
0640	Compensation, benefits, and job analysis specialists	13-1141
0650	Training and development specialists	13-1151
0700	Logisticians	13-1081
0705	Project management specialists	13-1082
0710	Management analysts	13-1111
0725	Meeting, convention, and event planners	13-1121
0726	Fundraisers	13-1131
0735	Market research analysts and marketing specialists	13-1161
0750	Business operations specialists, all other	13-1199
0800	Accountants and auditors	13-2011
0810	Property appraisers and assessors	13-2020
0820	Budget analysts	13-2031
0830	Credit analysts	13-2041
0845	Financial and investment analysts	13-2051
0850	Personal financial advisors	13-2052
0860	Insurance underwriters	13-2053
0900	Financial examiners	13-2061
0910	Credit counselors and loan officers	13-2070
0930	Tax examiners and collectors, and revenue agents	13-2081
0940	Tax preparers	13-2082
0960	Other financial specialists	13-20XX

Computer, Engineering, and Science Occupations

Computer and Mathematical Occupations

1005	Computer and information research scientists	15-1221
1006	Computer systems analysts	15-1211
1007	Information security analysts	15-1212
1010	Computer programmers	15-1251
1021	Software developers	15-1252
1022	Software quality assurance analysts and testers	15-1253
1031	Web developers	15-1254
1032	Web and digital interface designers	15-1255
1050	Computer support specialists	15-1230
1065	Database administrators and architects	15-124X

2018 CENSUS CODE	DESCRIPTION	2018 SOC CODE
1105	Network and computer systems administrators	15-1244
1106	Computer network architects	15-1241
1108	Computer occupations, all other	15-1299
1200	Actuaries	15-2011
1220	Operations research analysts	15-2031
1240	Other mathematical science occupations	15-20XX

Architecture and Engineering Occupations

1305	Architects, except landscape and naval	17-1011
1306	Landscape architects	17-1012
1310	Surveyors, cartographers, and photogrammetrists	17-1020
1320	Aerospace engineers	17-2011
1340	Biomedical and agricultural engineers	17-20XX
1350	Chemical engineers	17-2041
1360	Civil engineers	17-2051
1400	Computer hardware engineers	17-2061
1410	Electrical and electronic engineers	17-2070
1420	Environmental engineers	17-2081
1430	Industrial engineers, including health and safety	17-2110
1440	Marine engineers and naval architects	17-2121
1450	Materials engineers	17-2131
1460	Mechanical engineers	17-2141
1520	Petroleum, mining and geological engineers, including mining safety engineers	17-21XX
1530	Other engineers	17-21XX
1541	Architectural and civil drafters	17-3011
1545	Other drafters	17-301X
1551	Electrical and electronic engineering technologists and technicians	17-3023
1555	Other engineering technologists and technicians, except drafters	17-302X
1560	Surveying and mapping technicians	17-3031

Life, Physical, and Social Science Occupations

1600	Agricultural and food scientists	19-1010
1610	Biological scientists	19-1020
1640	Conservation scientists and foresters	19-1030
1650	Other life scientists	19-10XX
1700	Astronomers and physicists	19-2010
1710	Atmospheric and space scientists	19-2021
1720	Chemists and materials scientists	19-2030
1745	Environmental scientists and specialists, including health	19-2041
1750	Geoscientists and hydrologists, except geographers	19-204X
1760	Physical scientists, all other	19-2099
1800	Economists	19-3011
1821	Clinical and counseling psychologists	19-3033
1822	School psychologists	19-3034
1825	Other psychologists	19-303X
1840	Urban and regional planners	19-3051

2018 CENSUS CODE	DESCRIPTION	2018 SOC CODE
1860	Other social scientists	19-30XX
1900	Agricultural and food science technicians	19-4010
1910	Biological technicians	19-4021
1920	Chemical technicians	19-4031
1935	Environmental science and geoscience technicians, and nuclear technicians	19-40XX
1970	Other life, physical, and social science technicians	19-40YY
1980	Occupational health and safety specialists and technicians	19-5010

Education, Legal, Community Service, Arts, and Media Occupations

Community and Social Services Occupations

2001	Substance abuse and behavioral disorder counselors	21-1011
2002	Educational, guidance, and career counselors and advisors	21-1012
2003	Marriage and family therapists	21-1013
2004	Mental health counselors	21-1014
2005	Rehabilitation counselors	21-1015
2006	Counselors, all other	21-1019
2011	Child, family, and school social workers	21-1021
2012	Healthcare social workers	21-1022
2013	Mental health and substance abuse social workers	21-1023
2014	Social workers, all other	21-1029
2015	Probation officers and correctional treatment specialists	21-1092
2016	Social and human service assistants	21-1093
2025	Other community and social service specialists	21-109X
2040	Clergy	21-2011
2050	Directors, religious activities and education	21-2021
2060	Religious workers, all other	21-2099

Legal Occupations

2100	Lawyers, and judges, magistrates and other judicial workers	23-10XX
2105	Judicial law clerks	23-1012
2145	Paralegals and legal assistants	23-2011
2170	Title examiners, abstractors, and searchers	23-2093
2180	Legal support workers, all other	23-2099

Educational Instruction, and Library Occupations

2205	Postsecondary teachers	25-1000
2300	Preschool and kindergarten teachers	25-2010
2310	Elementary and middle school teachers	25-2020
2320	Secondary school teachers	25-2030
2330	Special education teachers	25-2050
2350	Tutors	25-3041
2360	Other teachers and instructors	25-30XX
2400	Archivists, curators, and museum technicians	25-4010
2435	Librarians and media collections specialists	25-4022
2440	Library technicians	25-4031

2018 CENSUS CODE	DESCRIPTION	2018 SOC CODE
2545	Teaching assistants	25-9040
2555	Other educational instruction and library workers	25-90XX

Arts, Design, Entertainment, Sports, and Media Occupations

2600	Artists and related workers	27-1010
2631	Commercial and industrial designers	27-1021
2632	Fashion designers	27-1022
2633	Floral designers	27-1023
2634	Graphic designers	27-1024
2635	Interior designers	27-1025
2636	Merchandise displayers and window trimmers	27-1026
2640	Other designers	27-102X
2700	Actors	27-2011
2710	Producers and directors	27-2012
2721	Athletes and sports competitors	27-2021
2722	Coaches and scouts	27-2022
2723	Umpires, referees, and other sports officials	27-2023
2740	Dancers and choreographers	27-2030
2751	Music directors and composers	27-2041
2752	Musicians and singers	27-2042
2755	Disc jockeys, except radio	27-2091
2770	Entertainers and performers, sports and related workers, all other	27-2099
2805	Broadcast announcers and radio disc jockeys	27-3011
2810	News analysts, reporters, and journalists	27-3023
2825	Public relations specialists	27-3031
2830	Editors	27-3041
2840	Technical writers	27-3042
2850	Writers and authors	27-3043
2861	Interpreters and translators	27-3091
2862	Court reporters and simultaneous captioners	27-3092
2865	Media and communication workers, all other	27-3099
2905	Other media and communication equipment workers	27-40XX
2910	Photographers	27-4021
2920	Television, video, and film camera operators and editors	27-4030

Healthcare Practitioners and Technical Occupations

3000	Chiropractors	29-1011
3010	Dentists	29-1020
3030	Dietitians and nutritionists	29-1031
3040	Optometrists	29-1041
3050	Pharmacists	29-1051
3090	Physicians	29-1210
3100	Surgeons	29-1240
3110	Physician assistants	29-1071
3120	Podiatrists	29-1081
3140	Audiologists	29-1181
3150	Occupational therapists	29-1122

2018 CENSUS CODE	DESCRIPTION	2018 SOC CODE
3160	Physical therapists	29-1123
3200	Radiation therapists	29-1124
3210	Recreational therapists	29-1125
3220	Respiratory therapists	29-1126
3230	Speech-language pathologists	29-1127
3245	Other therapists	29-112X
3250	Veterinarians	29-1131
3255	Registered nurses	29-1141
3256	Nurse anesthetists	29-1151
3258	Nurse practitioners, and nurse midwives	29-11XX
3261	Acupuncturists	29-1291
3270	Healthcare diagnosing or treating practitioners, all other	29-1299
3300	Clinical laboratory technologists and technicians	29-2010
3310	Dental hygienists	29-1292
3321	Cardiovascular technologists and technicians	29-2031
3322	Diagnostic medical sonographers	29-2032
3323	Radiologic technologists and technicians	29-2034
3324	Magnetic resonance imaging technologists	29-2035
3330	Nuclear medicine technologists and medical dosimetrists	29-203X
3401	Emergency medical technicians	29-2042
3402	Paramedics	29-2043
3421	Pharmacy technicians	29-2052
3422	Psychiatric technicians	29-2053
3423	Surgical technologists	29-2055
3424	Veterinary technologists and technicians	29-2056
3430	Dietetic technicians and ophthalmic medical technicians	29-205X
3500	Licensed practical and licensed vocational nurses	29-2061
3515	Medical records specialists	29-2072
3520	Opticians, dispensing	29-2081
3545	Miscellaneous health technologists and technicians	29-2090
3550	Other healthcare practitioners and technical occupations	29-9000

Service Occupations

Healthcare Support Occupations

3601	Home health aides	31-1121
3602	Personal care aides	31-1122
3603	Nursing assistants	31-1131
3605	Orderlies and psychiatric aides	31-113X
3610	Occupational therapist assistants and aides	31-2010
3620	Physical therapist assistants and aides	31-2020
3630	Massage therapists	31-9011
3640	Dental assistants	31-9091
3645	Medical assistants	31-9092
3646	Medical transcriptionists	31-9094
3647	Pharmacy aides	31-9095
3648	Veterinary assistants and laboratory animal caretakers	31-9096
3649	Phlebotomists	31-9097
3655	Other healthcare support workers	31-909X

Protective Service Occupations

3700	First-line supervisors of correctional officers	33-1011
3710	First-line supervisors of police and detectives	33-1012
3720	First-line supervisors of firefighting and prevention workers	33-1021
3725	Miscellaneous first-line supervisors, protective service workers	33-1090
3740	Firefighters	33-2011
3750	Fire inspectors	33-2020
3801	Bailiffs	33-3011
3802	Correctional officers and jailers	33-3012
3820	Detectives and criminal investigators	33-3021
3840	Fish and game wardens and parking enforcement officers	33-30XX
3870	Police officers	33-3050
3900	Animal control workers	33-9011
3910	Private detectives and investigators	33-9021
3930	Security guards and gambling surveillance officers	33-9030
3940	Crossing guards and flaggers	33-9091
3945	Transportation security screeners	33-9093
3946	School bus monitors	33-9094
3960	Other protective service workers	33-909X

Food Preparation and Serving Related Occupations

4000	Chefs and head cooks	35-1011
4010	First-line supervisors of food preparation and serving workers	35-1012
4020	Cooks	35-2010
4030	Food preparation workers	35-2021
4040	Bartenders	35-3011

2018 CENSUS CODE	DESCRIPTION	2018 SOC CODE
4055	Fast food and counter workers	35-3023
4110	Waiters and waitresses	35-3031
4120	Food servers, non-restaurant	35-3041
4130	Dining room and cafeteria attendants and bartender helpers	35-9011
4140	Dishwashers	35-9021
4150	Hosts and hostesses, restaurant, lounge, and coffee shop	35-9031
4160	Food preparation and serving related workers, all other	35-9099
Building and Grounds Cleaning and Maintenance Occupations		
4200	First-line supervisors of housekeeping and janitorial workers	37-1011
4210	First-line supervisors of landscaping, lawn service, and groundskeeping workers	37-1012
4220	Janitors and building cleaners	31-201X
4230	Maids and housekeeping cleaners	37-2012
4240	Pest control workers	37-2021
4251	Landscaping and grounds keeping workers	37-3011
4252	Tree trimmers and pruners	37-3013
4255	Other grounds maintenance workers	37-301X
Personal Care and Service Occupations		
4330	Supervisors of personal care and service workers	39-1000
4340	Animal trainers	39-2011
4350	Animal caretakers	39-2021
4400	Gambling services workers	39-3010
4420	Ushers, lobby attendants, and ticket takers	39-3031
4435	Other entertainment attendants and related workers	39-30XX
4461	Embalmers, crematory operators and funeral attendants	39-40XX
4465	Morticians, undertakers, and funeral arrangers	39-4031
4500	Barbers	39-5011
4510	Hairdressers, hairstylists, and cosmetologists	39-5012
4521	Manicurists and pedicurists	39-5092
4522	Skincare specialists	39-5094
4525	Other personal appearance workers	39-509X
4530	Baggage porters, bellhops, and concierges	39-6010
4540	Tour and travel guides	39-7010
4600	Childcare workers	39-9011
4621	Exercise trainers and group fitness instructors	39-9031
4622	Recreation workers	39-9032
4640	Residential advisors	39-9041
4655	Personal care and service workers, all other	39-9099

Sales and Office Occupations

Sales and Related Occupations

4700	First-line supervisors of retail sales workers	41-1011
4710	First-line supervisors of non-retail sales workers	41-1012
4720	Cashiers	41-2010
4740	Counter and rental clerks	41-2021
4750	Parts salespersons	41-2022
4760	Retail salespersons	41-2031
4800	Advertising sales agents	41-3011
4810	Insurance sales agents	41-3021
4820	Securities, commodities, and financial services sales agents	41-3031
4830	Travel agents	41-3041
4840	Sales representatives of services, except advertising, insurance, financial services, and travel	41-3091
4850	Sales representatives, wholesale and manufacturing	41-4010
4900	Models, demonstrators, and product promoters	41-9010
4920	Real estate brokers and sales agents	41-9020
4930	Sales engineers	41-9031
4940	Telemarketers	41-9041
4950	Door-to-door sales workers, news and street vendors, and related workers	41-9091
4965	Sales and related workers, all other	41-9099

Office and Administrative Support Occupations

5000	First-line supervisors of office and administrative support workers	43-1011
5010	Switchboard operators, including answering service	43-2011
5020	Telephone operators	43-2021
5040	Communications equipment operators, all other	43-2099
5100	Bill and account collectors	43-3011
5110	Billing and posting clerks	43-3021
5120	Bookkeeping, accounting and auditing clerks	43-3031
5140	Payroll and timekeeping clerks	43-3051
5150	Procurement clerks	43-3061
5160	Tellers	43-3071
5165	Other financial clerks	43-30XX
5220	Court, municipal, and license clerks	43-4031
5230	Credit authorizers, checkers, and clerks	43-4041
5240	Customer service representatives	43-4051
5250	Eligibility interviewers, government programs	43-4061
5260	File Clerks	43-4071
5300	Hotel, motel, and resort desk clerks	43-4081
5310	Interviewers, except eligibility and loan	43-4111
5320	Library assistants, clerical	43-4121
5330	Loan interviewers and clerks	43-4131
5340	New accounts clerks	43-4141
5350	Correspondence clerks and order clerks	43-4XXX

2018 CENSUS CODE	DESCRIPTION	2018 SOC CODE
5360	Human resources assistants, except payroll and timekeeping	43-4161
5400	Receptionists and information clerks	43-4171
5410	Reservation and transportation ticket agents and travel clerks	43-4181
5420	Other information and record clerks, all other	43-4YYY
5500	Cargo and freight agents	43-5011
5510	Couriers and messengers	43-5021
5521	Public safety telecommunicators	43-5031
5522	Dispatchers, except police, fire, and ambulance	43-5032
5530	Meter readers, utilities	43-5041
5540	Postal service clerks	43-5051
5550	Postal service mail carriers	43-5052
5560	Postal service mail sorters, processors, and processing machine operators	43-5053
5600	Production, planning, and expediting clerks	43-5061
5610	Shipping, receiving, and inventory clerks	43-5071
5630	Weighers, measurers, checkers, and samplers, recordkeeping	43-5111
5710	Executive secretaries and executive administrative assistants	43-6011
5720	Legal secretaries and administrative assistants	43-6012
5730	Medical secretaries and administrative assistants	43-6013
5740	Secretaries and administrative assistants, except legal, medical, and executive	43-6014
5810	Data entry keyers	43-9021
5820	Word processors and typists	43-9022
5840	Insurance claims and policy processing clerks	43-9041
5850	Mail clerks and mail machine operators, except postal service	43-9051
5860	Office clerks, general	43-9061
5900	Office machine operators, except computer	43-9071
5910	Proofreaders and copy markers	43-9081
5920	Statistical assistants	43-9111
5940	Other office and administrative support workers	43-9XXX

Natural Resources, Construction, and Maintenance Occupations

Farming, Fishing, and Forestry Occupations

6005	First-line supervisors of farming, fishing, and forestry workers	45-1011
6010	Agricultural inspectors	45-2011
6040	Graders and sorters, agricultural products	45-2041
6050	Other agricultural workers	45-20XX
6115	Fishing and hunting workers	45-3031
6120	Forest and conservation workers	45-4011
6130	Logging workers	45-4020

Construction and Extraction Occupations

6200	First-line supervisors of construction trades and extraction workers	47-1011
6210	Boilermakers	47-2011
6220	Brickmasons, blockmasons, stonemasons, and reinforcing iron and rebar workers	47-2XXX
6230	Carpenters	47-2031
6240	Carpet, floor, and tile installers and finishers	47-2040
6250	Cement masons, concrete finishers, and terrazzo workers	47-2050
6260	Construction laborers	47-2061
6305	Construction equipment operators	47-2070
6330	Drywall installers, ceiling tile installers, and tapers	47-2080
6355	Electricians	47-2111
6360	Glaziers	47-2121
6400	Insulation workers	47-2130
6410	Painters and paperhangers	47-2140
6441	Pipelayers	47-2151
6442	Plumbers, pipefitters, and steamfitters	47-2152
6460	Plasterers and stucco masons	47-2161
6515	Roofers	47-2181
6520	Sheet metal workers	47-2211
6530	Structural iron and steel workers	47-2221
6540	Solar photovoltaic installers	47-2231
6600	Helpers, construction trades	47-3010
6660	Construction and building inspectors	47-4011
6700	Elevator and escalator installers and repairers	47-4021
6710	Fence erectors	47-4031
6720	Hazardous materials removal workers	47-4041
6730	Highway maintenance workers	47-4051
6740	Rail-track laying and maintenance equipment operators	47-4061
6765	Other construction and related workers	47-40XX
6800	Derrick, rotary drill, and service unit operators, and roustabouts, oil and gas	47-50YY
6825	Surface mining machine operators and earth drillers	47-5020
6835	Explosives workers, ordnance handling experts, and blasters	47-5032
6850	Underground mining machine operators	47-5040
6950	Other extraction workers	47-50XX

Installation, Maintenance, and Repair Occupations

7000	First-line supervisors of mechanics, installers, and repairers	49-1011
7010	Computer, automated teller, and office machine repairers	49-2011
7020	Radio and telecommunications equipment installers and repairers	49-2020
7030	Avionics technicians	49-2091
7040	Electric motor, power tool, and related repairers	49-2092
7100	Other electrical and electronic equipment mechanics, installers, and repairers	49-209X
7120	Audiovisual equipment installers and repairers	49-2097
7130	Security and fire alarm systems installers	49-2098
7140	Aircraft mechanics and service technicians	49-3011
7150	Automotive body and related repairers	49-3021
7160	Automotive glass installers and repairers	49-3022
7200	Automotive service technicians and mechanics	49-3023
7210	Bus and truck mechanics and diesel engine specialists	49-3031
7220	Heavy vehicle and mobile equipment service technicians and mechanics	49-3040
7240	Small engine mechanics	49-3050
7260	Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers	49-3090
7300	Control and valve installers and repairers	49-9010
7315	Heating, air conditioning, and refrigeration mechanics and installers	49-9021
7320	Home appliance repairers	49-9031
7330	Industrial and refractory machinery mechanics	49-904X
7340	Maintenance and repair workers, general	49-9071
7350	Maintenance workers, machinery	49-9043
7360	Millwrights	49-9044
7410	Electrical power-line installers and repairers	49-9051
7420	Telecommunications line installers and repairers	49-9052
7430	Precision instrument and equipment repairers	49-9060
7510	Coin, vending, and amusement machine servicers and repairers	49-9091
7540	Locksmiths and safe repairers	49-9094
7560	Riggers	49-9096
7610	Helpers--installation, maintenance, and repair workers	49-9098
7640	Other installation, maintenance, and repair workers	49-90XX

Production, Transportation, and Material Moving Occupations

Production Occupation

7700	First-line supervisors of production and operating workers	51-1011
7720	Electrical, electronics, and electromechanical assemblers	51-2020
7730	Engine and other machine assemblers	51-2031
7740	Structural metal fabricators and fitters	51-2041
7750	Other assemblers and fabricators	51-20XX
7800	Bakers	51-3011
7810	Butchers and other meat, poultry, and fish processing workers	51-3020
7830	Food and tobacco roasting, baking, and drying machine operators and tenders	51-3091
7840	Food batchmakers	51-3092
7850	Food cooking machine operators and tenders	51-3093
7855	Food processing workers, all other	51-3099
7905	Computer numerically controlled tool operators and programmers	51-9160
7925	Forming machine setters, operators, and tenders, metal and plastic	51-4020
7950	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	51-4031
8000	Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	51-4033
8025	Other machine tool setters, operators, and tenders, metal and plastic	51-403X
8030	Machinists	51-4041
8040	Metal furnace operators, tenders, pourers, and casters	51-4050
8100	Model makers, patternmakers, and molding machine setters, metal and plastic	51-40XX
8130	Tool and die makers	51-4111
8140	Welding, soldering, and brazing workers	51-4120
8225	Other metal workers and plastic workers	51-4XXX
8250	Prepress technicians and workers	51-5111
8255	Printing press operators	51-5112
8256	Print binding and finishing workers	51-5113
8300	Laundry and dry-cleaning workers	51-6011
8310	Pressers, textile, garment, and related materials	51-6021
8320	Sewing machine operators	51-6031
8335	Shoe and leather workers	51-6040
8350	Tailors, dressmakers, and sewers	51-6050
8365	Textile machine setters, operators, and tenders	51-6060
8450	Upholsterers	51-6093
8465	Other textile, apparel, and furnishings workers	51-609X
8500	Cabinetmakers and bench carpenters	51-7011
8510	Furniture finishers	51-7021
8530	Sawing machine setters, operators, and tenders, wood	51-7041
8540	Woodworking machine setters, operators, and tenders, except sawing	51-7042
8555	Other woodworkers	51-70XX
8600	Power plant operators, distributors, and dispatchers	51-8010
8610	Stationary engineers and boiler operators	51-8021
8620	Water and wastewater treatment plant and system operators	51-8031
8630	Miscellaneous plant and system operators	51-8090

2018 CENSUS CODE	DESCRIPTION	2018 SOC CODE
8640	Chemical processing machine setters, operators, and tenders	51-9010
8650	Crushing, grinding, polishing, mixing, and blending workers	51-9020
8710	Cutting workers	51-9030
8720	Extruding, forming, pressing, and compacting machine setters, operators, and tenders	51-9041
8730	Furnace, kiln, oven, drier, and kettle operators and tenders	51-9051
8740	Inspectors, testers, sorters, samplers, and weighers	51-9061
8750	Jewelers and precious stone and metal workers	51-9071
8760	Dental and ophthalmic laboratory technicians and medical appliance technicians	51-9080
8800	Packaging and filling machine operators and tenders	51-9111
8810	Painting workers	51-9120
8830	Photographic process workers and processing machine operators	51-9151
8850	Adhesive bonding machine operators and tenders	51-9191
8910	Etchers and engravers	51-9194
8920	Molders, shapers, and casters, except metal and plastic	51-9195
8930	Paper goods machine setters, operators, and tenders	51-9196
8940	Tire builders	51-9197
8950	Helpers--production workers	51-9198
8990	Miscellaneous production workers, including equipment operators and tenders	51-91XX

Transportation and Material Moving Occupations

Transportation Occupations:

9005	Supervisors of transportation and material moving workers	53-1000
9030	Aircraft pilots and flight engineers	53-2010
9040	Air traffic controllers and airfield operations specialists	53-2020
9050	Flight attendants	53-2031
9110	Ambulance drivers and attendants, except emergency medical technicians	53-3011
9121	Bus drivers, school	53-3051
9122	Bus drivers, transit and intercity	53-3052
9130	Driver/sales workers and truck drivers	53-3030
9141	Shuttle drivers and chauffeurs	53-3053
9142	Taxi drivers	53-3054
9150	Motor vehicle operators, all other	53-3099
9210	Locomotive engineers and operators	53-4010
9240	Railroad conductors and yardmasters	53-4031
9265	Other rail transportation workers	53-40XX
9300	Sailors and marine oilers, and ship engineers	53-50XX
9310	Ship and boat captains and operators	53-5020
9350	Parking attendants	53-6021
9365	Transportation service attendants	53-6030
9410	Transportation inspectors	53-6051
9415	Passenger attendants	53-6061
9430	Other transportation workers	53-60XX

**2018
CENSUS
CODE**

DESCRIPTION

**2018 SOC
CODE**

Material Moving Occupations

9510	Crane and tower operators	53-7021
9570	Conveyor, dredge, and hoist and winch operators	53-70XX
9600	Industrial truck and tractor operators	53-7051
9610	Cleaners of vehicles and equipment	53-7061
9620	Laborers and freight, stock, and material movers, hand	53-7062
9630	Machine feeders and offbearers	53-7063
9640	Packers and packagers, hand	53-7064
9645	Stockers and order fillers	53-7065
9650	Pumping station operators	53-7070
9720	Refuse and recyclable material collectors	53-7081
9760	Other material moving workers	53-71XX

Military Specific Occupations

9840	Military Specific Occupations	55-0000
------	-------------------------------	---------

Detailed Occupation Recodes (01-23)

These codes correspond to Items PRDTOCC1 and PRDTOCC2 in positions 476-479 of the Basic CPS record layout in all months, **except the ASEC files**. In ASEC, these codes correspond to Item A_DTOCC.

CODE	CODE DESCRIPTION	OCCUPATION CODE
1	Management occupations	0010-0440
2	Business and financial operations occupations	0500-0960
3	Computer and mathematical occupations	1005-1240
4	Architecture and engineering occupations	1305-1560
5	Life, physical, and social science occupations	1600-1980
6	Community and social service occupation	2001-2060
7	Legal occupations	2100-2180
8	Education, training, and library occupations	2205-2555
9	Arts, design, entertainment, sports, and media occupations	2600-2920
10	Healthcare practitioner and technical occupations	3000-3550
11	Healthcare support occupations	3601-3655
12	Protective service occupations	3700-3960
13	Food preparation and serving related occupations	4000-4160
14	Building and grounds cleaning and maintenance occupations	4200-4255
15	Personal care and service occupations	4330-4655
16	Sales and related occupations	4700-4965
17	Office and administrative support occupations	5000-5940
18	Farming, fishing, and forestry occupations	6005-6130
19	Construction and extraction occupations	6200-6950
20	Installation, maintenance, and repair occupations	7000-7640
21	Production occupations	7700-8990
22	Transportation and material moving occupations	9005-9760
23	Military specific occupations	9840

Major Occupation Group Recodes (01-11)

These codes correspond to Items PRMJ OCC1 and PRMJ OCC2 located in positions 482-485 of the Basic CPS record layout in all months, **except the ASEC files**. In **ASEC**, these codes correspond to Item A_MJOCC.

CODE	CODE DESCRIPTION	OCCUPATION CODE
1	Management, business, and financial occupations	0010-0960
2	Professional and related occupations	1005-3550
3	Service occupations	3601-4655
4	Sales and related occupations	4700-4965
5	Office and administrative support occupations	5000-5940
6	Farming, fishing, and forestry occupations	6005-6130
7	Construction and extraction occupations	6200-6950
8	Installation, maintenance, and repair occupations	7000-7640
9	Production occupations	7700-8990
10	Transportation and material moving occupations	9005-9760
11	Military specific occupations	9840

ATTACHMENT 11

Specific Metropolitan Identifiers

(Geographic Attachment for CPS Public Use File Documentation Beginning August, 2015)

List 1. FIPS Metropolitan Area (CBSA) Codes

List 2. FIPS Consolidated Statistical Area (CSA) Codes

List 3. Individual Principal Cities

List 4: FIPS County Codes

Unless otherwise noted, all definitions for geographic areas on these lists reflect the February 28, 2013 OMB definitions.

LIST 1: FIPS Metropolitan Area (CBSA) Codes

Metropolitan Areas are defined using February 28, 2013 OMB definitions.

<u>FIPS Code</u>	<u>Metropolitan (CBSA) TITLE</u>
10180	Abilene, TX
10420	Akron, OH
10580	Albany-Schenectady-Troy, NY
10740	Albuquerque, NM
10900	Allentown-Bethlehem-Easton, PA-NJ
11100	Amarillo, TX
11460	Ann Arbor, MI
11540	Appleton, WI
11700	Asheville, NC
12020	Athens-Clarke County, GA
12060	Atlanta-Sandy Springs-Roswell, GA
12100	Atlantic City-Hammonton, NJ
12220	Auburn-Opelika, AL
12260	Augusta-Richmond County, GA-SC
12420	Austin-Round Rock, TX
12540	Bakersfield, CA
12580	Baltimore-Columbia-Towson, MD
12620	Bangor, ME
12700	Barnstable, MA
12940	Baton Rouge, LA
12980	Battle Creek, MI
13140	Beaumont-Port Arthur, TX
13460	Bend-Redmond, OR
13740	Billings, MT
13780	Binghamton, NY
13820	Birmingham-Hoover, AL
13980	Blacksburg—Christiansburg-Radford, VA
14010	Bloomington, IL
14020	Bloomington, IN
14260	Boise City, ID
14460	Boston-Cambridge-Newton, MA-NH
14500	Boulder, CO
14540	Bowling Green, KY
14860	Bridgeport-Stamford-Norwalk, CT

FIPS Code	Metropolitan (CBSA) TITLE
15180	Brownsville-Harlingen, TX
15380	Buffalo-Cheektowaga-Niagara Falls, NY
15500	Burlington, NC
15540	Burlington-South Burlington, VT
15680	California-Lexington Park, MD
15940	Canton-Massillon, OH
15980	Cape Coral-Fort Myers, FL
16060	Carbondale-Marion, IL
16300	Cedar Rapids, IA
16540	Chambersburg-Waynesboro, PA
16580	Champaign-Urbana, IL
16620	Charleston, WV
16700	Charleston-North Charleston, SC
16740	Charlotte-Concord-Gastonia, NC-SC
16820	Charlottesville, VA
16860	Chattanooga, TN-GA
16980	Chicago-Naperville-Elgin, IL-IN-WI
17020	Chico, CA
17140	Cincinnati, OH-KY-IN
17300	Clarksville, TN-KY
17420	Cleveland, TN
17460	Cleveland-Elyria, OH
17660	Coeur d'Alene, ID
17780	College Station-Bryan, TX
17820	Colorado Springs, CO
17900	Columbia, SC
17980	Columbus, GA-AL
18140	Columbus, OH
18580	Corpus Christi, TX
19100	Dallas-Fort Worth-Arlington, TX
19300	Daphne-Fairhope-Foley, AL
19340	Davenport-Moline-Rock Island, IA-IL
19380	Dayton, OH
19660	Deltona-Daytona Beach-Ormond Beach, FL
19740	Denver-Aurora-Lakewood, CO
19780	Des Moines-West Des Moines, IA
19820	Detroit-Warren-Dearborn, MI
20100	Dover, DE
20500	Durham-Chapel Hill, NC
20700	East Stroudsburg, PA

FIPS Code	Metropolitan (CBSA) TITLE
21140	Elkhart-Goshen, IN
21340	El Paso, TX
21500	Erie, PA
21660	Eugene, OR
21780	Evansville, IN-KY
22020	Fargo, ND-MN
22140	Farmington, NM
22180	Fayetteville, NC
22220	Fayetteville-Springdale-Rogers, AR-MO
22420	Flint, MI
22500	Florence, SC
22520	Florence-Muscle Shoals, AL
22660	Fort Collins, CO
22900	Fort Smith, AR-OK
23060	Fort Wayne, IN
23420	Fresno, CA
23540	Gainesville, FL
23580	Gainesville, GA
24020	Glen Falls, NY
24140	Goldsboro, NC
24340	Grand Rapids-Wyoming, MI
24540	Greeley, CO
24580	Green Bay, WI
24660	Greensboro-High Point, NC
24780	Greenville, NC
24860	Greenville-Anderson-Mauldin, SC
25180	Hagerstown-Martinsburg, MD-WV
25260	Hanford-Corcoran, CA
25420	Harrisburg-Carlisle, PA
25540	Hartford-West Hartford-East Hartford, CT
25860	Hickory-Morganton-Lenoir, NC
25940	Hilton Head Island-Bluffton-Beaufort, SC
26420	Houston-Baytown-Sugar Land, TX
26580	Huntington-Ashland, WV-KY-OH
26620	Huntsville, AL
26820	Idaho Falls, ID
26900	Indianapolis, IN
26980	Iowa City, IA
27100	Jackson, MI
27140	Jackson, MS

FIPS Code	Metropolitan (CBSA) TITLE
27260	Jacksonville, FL
27340	Jacksonville, NC
27500	Janesville-Beloit, WI
27740	Johnson City, TN
27780	Johnstown, PA
27980	Kahului-Wailuku-Lahaina, HI
28020	Kalamazoo-Portage, MI
28140	Kansas City, MO-KS
28420	Kennewick-Richland, WA
28660	Killeen-Temple-Fort Hood, TX
28700	Kingsport-Bristol, TN-VA
28940	Knoxville, TN
29180	Lafayette, LA
29200	Lafayette-West Lafayette, IN
29340	Lake Charles, LA
29460	Lakeland-Winter Haven, FL
29540	Lancaster, PA
29620	Lansing-East Lansing, MI
29700	Laredo, TX
29740	Las Cruces, NM
29820	Las Vegas-Paradise, NV
30340	Lewiston-Auburn, ME
30460	Lexington-Fayette, KY
30780	Little Rock-North Little Rock, AR
30980	Longview, TX
31080	Los Angeles-Long Beach-Anaheim, CA
31140	Louisville, KY-IN
31180	Lubbock, TX
31420	Macon, GA
31540	Madison, WI
31700	Manchester-Nashua, NH
32580	McAllen-Edinburg-Mission, TX
32780	Medford, OR
32820	Memphis, TN-MS-AR
33100	Miami-Fort Lauderdale-West Palm Beach, FL
33340	Milwaukee-Waukesha-West Allis, WI
33460	Minneapolis-St Paul-Bloomington, MN-WI
33660	Mobile, AL
33700	Modesto, CA
33740	Monroe, LA

FIPS Code	Metropolitan (CBSA) TITLE
33780	Monroe, MI
33860	Montgomery, AL
34060	Morgantown, WV
34580	Mount Vernon-Anacortes, WA
34740	Muskegon-Norton Shores, MI
34820	Myrtle Beach-Conway-North Myrtle Beach, SC-NC
34940	Naples-Immokalee-Marco Island, FL
34980	Nashville-Davidson-Murfreesboro, TN
35300	New Haven-Milford, CT
35380	New Orleans-Metairie, LA
35620	New York-Newark- Jersey City, NY-NJ-PA (White Plains central city recoded to balance of metropolitan)
35660	Niles-Benton Harbor, MI
35840	North Port-Sarasota-Bradenton, FL
35980	Norwich-New London, CT
36100	Ocala, FL
36220	Odessa, TX
36260	Ogden-Clearfield, UT
36420	Oklahoma City, OK
36540	Omaha-Council Bluffs, NE-IA
36740	Orlando, FL
36780	Oshkosh-Neenah, WI
37100	Oxnard-Thousand Oaks-Ventura, CA
37340	Palm Bay-Melbourne-Titusville, FL
37460	Panama City, FL
37860	Pensacola-Ferry Pass-Brent, FL
37900	Peoria, IL
37980	Philadelphia-Camden-Wilmington, PA-NJ-DE
38060	Phoenix-Mesa-Scottsdale, AZ
38220	Pine Bluff, AR
38300	Pittsburgh, PA
38860	Portland-South Portland, ME
38900	Portland-Vancouver-Hillsboro, OR-WA
38940	Port St. Lucie-Fort Pierce, FL
39140	Prescott, AZ
39300	Providence-Warwick, RI-MA
39340	Provo-Orem, UT
39540	Racine, WI
39580	Raleigh, NC
39740	Reading, PA

FIPS Code	Metropolitan (CBSA) TITLE
39820	Redding, CA
40060	Richmond, VA
40140	Riverside-San Bernardino-Ontario, CA
40220	Roanoke, VA
40380	Rochester, NY
40420	Rockford, IL
40900	Sacramento--Arden-Arcade--Roseville, CA
40980	Saginaw, MI
41100	St. George, UT
41180	St. Louis, MO-IL
41420	Salem, OR
41500	Salinas, CA
41540	Salisbury, MD
41620	Salt Lake City, UT
41700	San Antonio, TX
41740	San Diego-Carlsbad-San Marcos, CA
41860	San Francisco-Oakland-Fremont, CA
41940	San Jose-Sunnyvale-Santa Clara, CA
42020	San Luis Obispo-Paso Robles, CA
42100	Santa Cruz-Watsonville, CA
42140	Santa Fe, NM
42200	Santa Maria-Santa Barbara, CA
42220	Santa Rosa-Petaluma, CA
42340	Savannah, GA
42540	Scranton--Wilkes-Barre, PA
42660	Seattle-Tacoma-Bellevue, WA
43300	Sherman-Dennison, TX
43340	Shreveport-Bossier City, LA
43620	Sioux Falls, SD
43780	South Bend-Mishawaka, IN-MI
43900	Spartanburg, SC
44060	Spokane-Spokane Valley, WA
44100	Springfield, IL
44140	Springfield, MA
44180	Springfield, MO
44700	Stockton-Lodi, CA
45060	Syracuse, NY
45220	Tallahassee, FL
45300	Tampa-St. Petersburg-Clearwater, FL
45460	Terre Haute, IN

FIPS Code	Metropolitan (CBSA) TITLE
45780	Toledo, OH
45820	Topeka, KS
45940	Trenton, NJ
46060	Tucson, AZ
46140	Tulsa, OK
46340	Tyler, TX
46520	Urban Honolulu, HI
46540	Utica-Rome, NY
46700	Vallejo-Fairfield, CA
47220	Vineland-Bridgeton, NJ
47260	Virginia Beach-Norfolk-Newport News, VA-NC
47300	Visalia-Porterville, CA
47380	Waco, TX
47580	Warner Robins, GA
47900	Washington-Arlington-Alexandria, DC-VA-MD-WV
47940	Waterloo-Cedar Falls, IA
48060	Watertown-Fort Drum, NY
48140	Wausau, WI
48620	Wichita, KS
48660	Wichita Falls, TX
48700	Williamsport, PA
49020	Winchester, VA-WV
49180	Winston-Salem, NC
49340	Worcester, MA-CT
49620	York-Hanover, PA
49660	Youngstown-Warren-Boardman, OH-PA
49740	Yuma, AZ

LIST 2: FIPS Consolidated Statistical Area (CSA) Codes

The following CSA's (Combined Statistical Areas) contain 2 or more Metropolitan Statistical Areas that are in the CPS sample and are individually identified on the public use files. Micropolitan Statistical Areas are not specifically identified in the CPS and are not used to identify CSA's nor are parts of such areas coded as belonging to CSA's. The component CBSA's identified on the CPS Public Use Files are listed for each CSA.

CSA Code	CBSA Code	CSA Title Component Parts (CBSA's)
104	10580 24020	Albany-Schenectady, NY Albany-Schenectady-Troy, NY Glen Falls, NY
106	10740 42140	Albuquerque-Santa Fe-Las Vegas, NM Albuquerque, NM Santa Fe, NM
118	11540 36780	Appleton-Oshkosh-Neenah, WI Appleton, WI Oshkosh-Neenah, WI
122	12020 12060 23580	Atlanta--Athens-Clarke County—Sandy Springs, GA Athens-Clarke County, GA Atlanta-Sandy Springs-Roswell, GA Gainesville, GA
148	12700 14460 31700 39300 49340	Boston-Worcester-Providence, MA-RI-NH-CT Barnstable Town, MA Boston-Cambridge-Newton-MA-NH Manchester-Nashua, NH Providence-Warwick, RI-MA Worcester, MA-CT
162	15980 34940	Cape Coral-Fort Myers-Naples, FL Cape Coral, FL Naples-Immokalee-Marco Island, FL

CSA Code	CBSA Code	CSA Title Component Parts (CBSA's)
168	16300 26980	Cedar Rapids-Iowa City, IA Cedar Rapids, IA Iowa City, IA
170	16620 26580	Charleston-Huntington-Ashland, WV-OH-KY Charleston, WV Huntington-Ashland, WV-KY-OH
174	16860 17420	Chattanooga-Cleveland-Dalton, TN-GA Chattanooga, TN-GA Cleveland, TN
184	10420 15940 17460	Cleveland-Akron-Canton, OH (part) Akron, OH Canton-Massillon, OH Cleveland-Elyria-Mentor, OH
194	12220 17980	Columbus-Auburn-Opelika, GA-AL Auburn-Opelika, AL Columbus, GA
206	19100 43300	Dallas-Fort Worth, TX-OK Dallas-Fort Worth-Arlington, TX Sherman-Dennison, TX
216	14500 19740 24540	Denver-Aurora, CO Boulder, CO Denver-Aurora-Lakewood, CO Greeley, CO
220	11460 19820 22420 33780	Detroit-Warren-Ann Arbor, MI Ann Arbor, MI Detroit-Warren-Dearborn, MI Flint, MI Monroe, MI

CSA Code	CBSA Code	CSA Title Component Parts (CBSA's)
238	21340 29740	El Paso-Las Cruces, TX-NM El Paso, TX Las Cruces, NM
266	24340 26100 34740	Grand Rapids-Wyoming-Muskegon, MI Grand Rapids-Wyoming, MI Holland-Grand Haven, MI* Muskegon-Norton Shores, MI
268	15500 24660 49180	Greensboro--Winston-Salem--High Point, NC Burlington, NC Greensboro-High Point, NC Winston-Salem, NC
273	24860 43900	Greenville-Spartanburg-Anderson, SC Greenville-Anderson-Mauldin, SC Spartanburg, SC
276	25420 49620	Harrisburg-York-Lebanon, PA Harrisburg-Carlisle, PA York-Hanover, PA
278	25540 35980	Hartford-West Hartford, CT Hartford-West Hartford-East Hartford, CT Norwich-New London, CT
304	27740 28700	Johnson City-Kingsport-Bristol, TN-VA (part) Johnson City, TN Kingsport-Bristol, TN-VA
310	12980 28020	Kalamazoo-Battle Creek-Portage, MI Battle Creek, MI Kalamazoo-Portage, MI
340	30780 38220	Little Rock-North Little Rock, AR Little Rock-North Little Rock-Conway, AR Pine Bluff, AR

CSA Code	CBSA Code	CSA Title Component Parts (CBSA's)
348	31100 37100 40140	Los Angeles-Long Beach-Riverside, CA Los Angeles-Long Beach-Santa Ana, CA Oxnard-Thousand Oaks-Ventura, CA Riverside-San Bernardino-Ontario, CA
356	31420 47580	Macon-Warner Robins-Fort Valley, GA Macon, GA Warner Robins, GA
357	27500 31540	Madison-Janesville-Beloit, WI Janesville-Beloit, WI Madison, WI
370	33100 38940	Miami-Fort Lauderdale-Port St. Lucie, FL Miami-Fort Lauderdale-West Palm Beach, FL Port St. Lucie-Fort Pierce, FL
376	33340 39540	Milwaukee-Racine-Waukesha, WI Milwaukee-Waukesha-West Allis, WI Racine, WI
380	19300 33660	Mobile-Daphne-Fairhope, AL Daphne-Fairhope, AL Mobile, AL
408	10900 14860 20700 35300 35620 45940	New York-Newark-Bridgeport, NY-NJ-CT-PA Allentown-Bethlehem-Easton, PA-NJ Bridgeport-Stamford-Norwalk, CT East Stroudsburg, PA New Haven-Milford, CT New York-Newark-Jersey City, NY-NJ-PA Trenton, NJ
422	19660 36740	Orlando-Deltona-Daytona Beach, FL Deltona-Daytona Beach-Ormond Beach, FL Orlando-Kissimmee-Sanford, FL

CSA Code	CBSA Code	CSA Title Component Parts (CBSA's)
428		Philadelphia-Reading-Camden, PA-NJ-DE-MD
	12100	Atlantic City-Hammonton, NJ
	20100	Dover, DE
	37980	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD
	39740	Reading, PA
	47220	Vineland-Bridgeton, NJ
438		Portland-Lewiston-South Portland, ME
	30340	Lewiston-Auburn, ME
	38860	Portland-South Portland, ME
440		Portland-Vancouver-Salem, OR-WA
	38900	Portland-Vancouver-Hillsboro, OR-WA
	41420	Salem, OR
450		Raleigh-Durham-Cary, NC
	20500	Durham-Chapel Hill, NC
	39580	Raleigh, NC
482		Salt Lake City-Provo-Orem, UT
	36260	Ogden-Clearfield, UT
	39340	Provo-Orem, UT
	41620	Salt Lake City, UT
488		San Jose-San Francisco-Oakland, CA
	41860	San Francisco-Oakland-Hayward, CA
	41940	San Jose-Sunnyvale-Santa Clara, CA
	42100	Santa Cruz-Watsonville, CA
	42220	Santa Rosa, CA
	44700	Stockton-Lodi, CA
	46700	Vallejo-Fairfield, CA
500		Seattle-Tacoma-Olympia, WA
	34580	Mount Vernon-Anacortes, WA
	42660	Seattle-Tacoma-Bellevue, WA

CSA Code	CBSA Code	CSA Title Component Parts (CBSA's)
515		South Bend-Elkhart-Mishawaka, IN-MI
	21140	Elkhart-Goshen, IN
	35660	Niles-Benton Harbor, MI
	43780	South Bend-Mishawaka, IN-MI
518		Spokane-Spokane Valley-Coeur d'Alene, WA-ID
	17660	Coeur d'Alene, ID
	44060	Spokane-Spokane Valley, WA
546		Visalia-Porterville-Hanford, CA
	25260	Hanford-Corcoran, CA
	47300	Visalia-Porterville, CA
548		Washington-Baltimore-Arlington, DC-MD-VA-WV-PA
	12580	Baltimore-Columbia-Towson, MD
	15680	California-Lexington Park, MD
	16540	Chambersburg-Waynesboro, PA
	25180	Hagerstown-Martinsburg, MD-WV
	47900	Washington-Arlington-Alexandria, DC-VA-MD-WV
	49020	Winchester, VA-WV

List 3: Individual Principal Cities

Please Note: You must use the CBSA code in combination with the city code to uniquely identify principal cities. If a county name is provided, you must incorporate the county code into any algorithm used to tabulate a specific city's characteristics. The same applies to state codes for multi-state CBSA's.

CBSA Code	Title City	GTINDVPC
38060	Phoenix-Mesa-Scottsdale, AZ	
	Phoenix	1
	Mesa	2
	Scottsdale	3
	Tempe	4
	Glendale	5
30780	Little Rock-North Little Rock-Conway, AR	
	Little Rock	1
31080	Los Angeles-Long Beach-Anaheim, CA	
	Los Angeles County	
	Los Angeles	1
	Long Beach	2
	Glendale	3
	Pomona	4
	Torrance	5
	Pasadena	6
	Burbank	7
	Orange County	
	Santa Ana	1
	Anaheim	2
	Irvine	3
	Orange	4
	Fullerton	5
	Costa Mesa	6

CBSA Code	Title City	GTINDVPC
37100	Oxnard-Thousand Oaks-Ventura, CA	
	Oxnard	1
	Thousand Oaks	2
40140	Riverside-San Bernardino-Ontario, CA	
	Riverside	1
	San Bernardino	2
	Ontario	3
	Temecula	4
	Victorville	5
40900	Sacramento–Roseville-Arden-Arcade, CA	
	Sacramento	1
	Roseville	2
41740	San Diego-Carlsbad, CA	
	San Diego	1
	Carlsbad	2
41860	San Francisco-Oakland-Hayward, CA	
	San Francisco	1
	Alameda County	
	Oakland	1
	Fremont	2
	Hayward	3
	Berkeley	4
41940	San Jose-Sunnyvale-Santa Clara, CA	
	San Jose	1
	Sunnyvale	2
	Santa Clara	3
46700	Vallejo-Fairfield, CA	
	Vallejo	1
	Fairfield	2

CBSA Code	Title City	GTINDVPC
19740	Denver-Aurora-Lakewood, CO	
	Denver	1
	Lakewood	2
14860	Bridgeport-Stamford-Norwalk, CT	
	Bridgeport	1
	Stamford	2
25540	Hartford-West Hartford-East Hartford, CT	
	Hartford	1
33100	Miami-Fort Lauderdale-West Palm Beach, FL	
	Broward County	
	Fort Lauderdale	1
	Miami-Dade County	
	Miami	1
36740	Orlando-Kissimmee-Sanford, FL	
	Orlando	1
37340	Palm Bay-Melbourne-Titusville, FL	
	Palm Bay	1
45300	Tampa-St. Petersburg-Clearwater, FL	
	St. Petersburg	1
	Tampa	2
12060	Atlanta-Sandy Springs-Roswell, GA	
	Atlanta	1
16980	Chicago-Naperville-Elgin, IL-IN-WI	
	Chicago	1
	Naperville	2
	Joliet	3
	Elgin	4

CBSA Code	Title City	GTINDVPC
26900	Indianapolis-Carmel-Anderson. IN Indianapolis	1
28140	Kansas City, MO-KS Kansas portion Kansas City Overland Park Missouri portion Kansas City	1 2 1
35380	New Orleans-Metairie, LA New Orleans Metairie	1 2
12580	Baltimore-Columbia-Towson. MD Baltimore	1
14460	Boston-Cambridge-Newton, MA-NH Massachusetts portion Boston Cambridge	1 2
19820	Detroit-Warren-Dearborn, MI Wayne County Detroit Macomb County Warren	1 1
33460	Minneapolis-St. Paul-Bloomington, MN-WI Minneapolis St. Paul	1 2
29820	Las Vegas-Henderson--Paradise, NV Las Vegas Paradise Henderson	1 2 3

CBSA Code	Title City	GTINDVPC
35620	New York-Newark- Jersey City, NY-NJ-PA	
	New Jersey portion	
	Newark	1
	Jersey City	2
	New York portion	
	New York	1
15380	Buffalo-Cheektowaga-Niagara Falls, NY	
	Buffalo	1
16740	Charlotte -Concord-Gastonia, NC-SC	
	Charlotte	1
38900	Portland-Vancouver-Hillsboro, OR-WA	
	Portland	1
34980	Nashville-Davidson—Murfreesboro—Franklin, TN	
	Nashville-Davidson	1
19100	Dallas-Fort Worth-Arlington, TX	
	Dallas	1
	Fort Worth	2
	Carrollton	3
	Plano	4
	Irving	5
	Arlington	6
26420	Houston-The Woodlands-Sugar Land, TX	
	Houston	1
32580	McAllen-Edinburg-Mission, TX	
	McAllen	1
47260	Virginia Beach-Norfolk-Newport News, VA-NC	
	Virginia portion	
	Virginia Beach	1
	Norfolk	2
	Newport News	3

CBSA Code	Title City	GTINDVPC
47900	Washington-Arlington-Alexandria, DC-VA-MD-WV Virginia portion only Arlington	2
42660	Seattle-Tacoma-Bellevue, WA Seattle Tacoma Bellevue Everett	1 2 3 4
33340	Milwaukee-Waukesha-West Allis, WI Milwaukee	1

List 4: FIPS County Codes

Please note that these county codes must be used in conjunction with state codes to create unique county identifiers as county codes start with 001 in each state. Counties are only included on this list if the entire county is identified.

FIPS County Code	County Name	State
Alabama		
003	Baldwin	
081	Lee	
097	Mobile	
Arizona		
013	Maricopa	
019	Pima	
021	Pinal	
025	Yavapai	
027	Yuma	
California		
001	Alameda	
007	Butte	
019	Fresno	
029	Kern	
031	Kings	
037	Los Angeles	
053	Monterey	
059	Orange	
067	Sacramento	
073	San Diego	
075	San Francisco	
079	San Luis Obispo	
081	San Mateo	

FIPS County Code	County Name	State
083	Santa Barbara	
087	Santa Cruz	
089	Shasta	
095	Solano	
097	Sonoma	
099	Stanislaus	
107	Tulare	
111	Ventura	

Colorado

013	Boulder
031	Denver
059	Jefferson
069	Larimer
123	Weld

Connecticut

001	Fairfield
005	Litchfield*
009	New Haven
011	New London
015	Windham

Delaware

001	Kent
003	New Castle
005	Sussex

District of Columbia

001	District of Columbia
-----	----------------------

FIPS County Code	County Name	State
------------------------	----------------	-------

Florida

005	Bay
009	Brevard
011	Broward
019	Clay
021	Collier
033	Escambia
053	Hernando
057	Hillsborough
069	Lake
071	Lee
083	Marion
085	Martin
086	Miami-Dade
095	Orange
099	Palm Beach
101	Pasco
103	Pinellas
105	Polk
109	St. Johns
111	St. Lucie
113	Santa Rosa

Georgia

015	Bartow
045	Carroll
057	Cherokee
063	Clayton
077	Coweta
097	Douglas
113	Fayette
117	Forsythe
135	Gwinnett
139	Hall
151	Henry
223	Paulding

FIPS County Code	County Name	State
Hawaii		
003	Honolulu	
Illinois		
097	Lake	
111	McHenry	
119	Madison	
163	St. Clair	
179	Tazewell	
Indiana		
019	Clark	
039	Elkhart	
063	Hendricks	
081	Johnson	
089	Lake	
105	Monroe	
141	St. Joseph	
157	Tippecanoe	
Iowa		
103	Johnson	
113	Linn	
163	Scott	
Kansas		
091	Johnson	
173	Sedgwick	
Kentucky		
015	Boone	
067	Fayette	
111	Jefferson	
117	Kenton	

FIPS County Code	County Name	State
Louisiana		
005	Ascension	
033	East Baton Rouge	
051	Jefferson	
063	Livingston	
071	Orleans	
073	Ouachita	
103	St. Tammany	
Maine		
001	Androscoggin	
005	Cumberland	
011	Kennebec*	
019	Penobscot	
Maryland		
003	Anne Arundel	
013	Carroll	
015	Cecil	
017	Charles	
025	Harford	
031	Montgomery	
033	Prince Georges	
037	St. Mary's	
510	Baltimore City	

FIPS County Code	County Name	State
Massachusetts		
001	Barnstable	
005	Bristol	
013	Hampden	
015	Hampshire	
017	Middlesex	
023	Plymouth	
025	Suffolk	
027	Worcester	
Michigan		
005	Allegan*	
021	Berrien	
025	Calhoun	
049	Genesee	
075	Jackson	
081	Kent	
093	Livingston	
099	Macomb	
115	Monroe	
121	Muskegon	
125	Oakland	
145	Saginaw	
161	Washtenaw	
163	Wayne	
Minnesota		
003	Anoka	
123	Ramsey	
139	Scott	
163	Washington	
171	Wright	

FIPS County Code	County Name	State
Missouri		
071	Franklin	
099	Jefferson	
189	St. Louis	
Montana		
111	Yellowstone	
Nebraska		
055	Douglas	
Nevada		
003	Clark	
New Hampshire		
011	Hillsborough	
013	Merrimack*	
015	Rockingham	
017	Strafford	
New Jersey		
003	Bergen	
005	Burlington	
007	Camden	
011	Cumberland	
013	Essex	
017	Hudson	
019	Hunterdon	
021	Mercer	
023	Middlesex	
027	Morris	
031	Passaic	

FIPS County Code	County Name	State
------------------------	----------------	-------

035	Somerset	
037	Sussex	
039	Union	

New Mexico

001	Bernalillo	
013	Dona Ana	
045	San Juan	
049	Santa Fe	

New York

005	Bronx	
045	Jefferson	
047	Kings	
055	Monroe	
059	Nassau	
061	New York	
067	Onondaga	
069	Ontario	
071	Orange	
081	Queens	
085	Richmond	
087	Rockland	
091	Saratoga	
103	Suffolk	
119	Westchester	

North Carolina

001	Alamance	
021	Buncombe	
057	Davidson	
067	Forsyth	
119	Mecklenburg	
133	Onslow	
147	Pitt	

FIPS County Code	County Name	State
------------------------	----------------	-------

155	Robeson*	
159	Rowan	
179	Union	
191	Wayne	

Ohio

025	Clermont	
057	Greene	
085	Lake	
089	Licking	
095	Lucas	
103	Medina	
109	Miami	
113	Montgomery	
133	Portage	
153	Summit	

Oregon

017	Deschutes	
029	Jackson	
039	Lane	

Pennsylvania

003	Allegheny	
007	Beaver	
011	Berks	
017	Bucks	
019	Butler	
021	Cambria	
029	Chester	
043	Dauphin	
045	Delaware	
049	Erie	
055	Franklin	
071	Lancaster	

FIPS County Code	County Name	State
------------------------	----------------	-------

081	Lycoming	
085	Mercer	
089	Monroe	
091	Montgomery	
101	Philadelphia	
107	Schuylkill*	
125	Washington	
129	Westmoreland	
133	York	

South Carolina

041	Florence	
051	Horry	
083	Spartanburg	
091	York	

Tennessee

009	Blount	
093	Knox	
125	Montgomery	
165	Sumner	
189	Wilson	

Texas

041	Brazos	
061	Cameron	
135	Ector	
139	Ellis	
181	Grayson	
183	Gregg	
215	Hidalgo	
251	Johnson	
303	Lubbock	
309	McLennan	
423	Smith	

FIPS County Code	County Name	State
441	Taylor	Utah
479	Webb	
485	Wichita	
053	Washington	Virginia
013	Arlington	Washington
041	Chesterfield	
087	Henrico	
107	Loudoun	
153	Prince William	
177	Spotsylvania	
179	Stafford	
550	Chesapeake City	
700	Newport News City	
710	Norfolk City	
760	Richmond City	West Virginia
810	Virginia Beach City	
057	Skagit	Wisconsin
039	Kanawha	
059	Kenosha	Wisconsin
073	Marathon	
101	Racine	
105	Rock	
139	Winnebago	

* Counties marked with an asterisk (*) are also single county Micropolitan Statistical Areas.

They are not otherwise identified on the files. A list of such areas on the files is as follows:

CBSA Code	Title	County Name	County Code
12300	Augusta-Waterville, ME	Kennebec	005
18180	Concord, NH	Merrimack	011
26090	Holland, MI	Allegan	005
31300	Lumberton, NC	Robeson	155
39060	Pottsville, PA	Schuylkill	107
45860	Torrington, CT	Litchfield	005

Attachment 12

Dynamic Topcoding of Usual Hourly Earnings

The Census Bureau has introduced a dynamic topcode, implemented monthly, with topcoding applied to the top 3 percent of hourly earnings reported. This method results in fewer cases being topcoded compared to the previous method which applied topcoding based on the individual's usual hours worked variable. For individuals whose earnings are topcoded, the earnings variable contains the weighted average of the top 3% and not a cutoff value as has been done in past years. PTERNHLY, PTERNH1O, PTERNH2, and PTERNH1C are the hourly reporting variables. Below is an example of this process using fake data.

Hourly Wages	Cumulative Percent	Topcoding (Weighted Average of Top 3%)
2	0.15	2
2.15	0.26	2.15
3.50	0.90	3.50
.	.	.
.	.	.
.	.	.
46.5	96.90	46.5
47	96.93	47
49.5	97.06	64.20
50	97.46	64.20
51	97.55	64.20
.		.
.		.
.		.
65	99.40	64.20
68	99.45	64.20
70	99.60	64.20
75	99.75	64.20
85	99.80	64.20
90	100.00	64.20

Furthermore, values not topcoded as above, will be rounded based on the criteria below.

Usual Hourly Earning as Reported	Rounded value on Public Use File
\$00.01 - \$00.07	\$00.05
\$00.08 - \$29.99	Nearest \$00.05
\$30.00 - \$49.99	Nearest \$00.25
\$50.00 +	Nearest \$00.50 until topcoded

ATTACHMENT 12a

Topcoding of Usual Hourly Earnings

This variable will be topcoded based on an individual's usual hours worked variable, if the individual's edited usual weekly earnings variable is \$999. The topcode is computed such that the product of usual hours times usual hourly wage does not exceed an annualized wage of \$150,000 (\$2,885.00 per week). Below is a list of the appropriate topcode.

Hours	Topcode	Hours	Topcode	Hours	Topcode
1	None	34	\$84.85	67	\$43.06
2	None	35	\$82.43	68	\$42.43
3	None	36	\$80.14	69	\$41.81
4	None	37	\$77.97	70	\$41.21
5	None	38	\$75.92	71	\$40.63
6	None	39	\$73.97	72	\$40.07
7	None	40	\$72.13	73	\$39.52
8	None	41	\$70.37	74	\$38.99
9	None	42	\$68.69	75	\$38.47
10	None	43	\$67.09	76	\$37.96
11	None	44	\$65.57	77	\$37.47
12	None	45	\$64.11	78	\$36.99
13	None	46	\$62.72	79	\$36.52
14	None	47	\$61.38	80	\$36.06
15	None	48	\$60.10	81	\$35.62
16	None	49	\$58.88	82	\$35.18
17	None	50	\$57.70	83	\$34.76
18	None	51	\$56.57	84	\$34.35
19	None	52	\$55.48	85	\$33.94
20	None	53	\$54.43	86	\$33.55
21	None	54	\$53.43	87	\$33.16
22	None	55	\$52.45	88	\$32.78
23	None	56	\$51.52	89	\$32.42
24	None	57	\$50.61	90	\$32.06
25	None	58	\$49.74	91	\$31.70
26	None	59	\$48.90	92	\$31.36
27	None	60	\$48.08	93	\$31.02
28	None	61	\$47.30	94	\$30.69
29	\$99.48	62	\$46.53	95	\$30.37
30	\$96.17	63	\$45.79	96	\$30.05
31	\$93.06	64	\$45.08	97	\$29.74
32	\$90.16	65	\$44.38	98	\$29.44
33	\$87.42	66	\$43.71	99	\$29.14

ATTACHMENT 13

Current Population Survey

Selected Unweighted Tallies from the January 2023 Tobacco Use Supplement

For more information on the May Tobacco Use Supplement to the Current Population Survey (TUS-CPS) see TUS-CPS series web site: <https://cancercontrol.cancer.gov/brp/tcrb/tus-cps/>.

Total Records in sample: 125,982¹

- records for CPS non-interviewed persons – 26,645
- individuals within CPS interviewed households (HHs) 99,337

Not eligible for the supplement: 47,838²

- children and adults < 18yrs old, on active duty in armed forces and CPS incomplete – 21,193
- records for CPS non-interviewed persons 26,645

Eligible for the supplement: 78,144³

Supplement non-interviews: 26,060⁴

- CPS interview incompletes- 280⁵
- not randomly selected for TUS interview – 10,716
- TUS non-response – 15,064

Final eligibility for supplement interview after excluding CPS incompletes for unknown age and those not randomly selected for TUS interview – 67,148

Supplement interviews 52,084

- self-response – 37,580
- proxy-response – 14,504

Supplement non-response: 15,064

The tallies that follow represent the 78,144 persons in sample who were eligible for the random selection for supplement interview (includes 280 with unknown age at time of interview).

¹ INTRVIEW= -1 or 1 or 2

² INTRVIEW= -1

³ INTRVIEW= (1 or 2)

⁴ INTRVIEW=2

⁵ Age was unknown and later edited as 18+ AFTER completion of the data collection, thus non-interviews and no chance of random selection.

<u>Item</u>	<u>Value</u>	<u>Tallies</u>
PEA1	-9	0
	-3	67
	-2	178
	-1	26060
	1	14588
	2	37251
PEA3	-9	63
	-3	51
	-2	51
	-1	53450
	1	3648
	2	1102
	3	19779
PEB2	-9	3
	-3	15
	-2	6
	-1	75394
	1	801
	2	1824
	3	101
PEB7C	-9	22
	-3	29
	-2	20
	-1	75394
	1	1783
	2	627
	3	165
	4	87
	5	17
PEC2	-9	6
	-3	7
	-2	5
	-1	77370
	1	241
	2	455
	3	60

<u>Item</u>	<u>Value</u>	<u>Tallies</u>
PEC7A	-9	14
	-3	9
	-2	7
	-1	77370
	1	376
	2	368
PEDA	-9	17
	-3	8
	-2	6
	-1	77783
	1	152
	2	178
PED1R	-9	26
	-3	42
	-2	13
	-1	74981
	1	1071
	2	2011
PED8R	-9	27
	-3	44
	-2	11
	-1	76205
	1	670
	2	1187
PEE1B1	-9	6
	-3	4
	-2	0
	-1	76768
	1	49
	2	1317

<u>Item</u>	<u>Value</u>	<u>Tallies</u>
PEF1A	-9	52
	-3	63
	-2	13
	-1	74620
	1	2295
	2	1101
PEG1	-9	54
	-3	65
	-2	72
	-1	74620
	1	1362
	2	1971
PEH2	-9	1
	-3	19
	-2	21
	-1	70126
	1	6263
	2	1714
PEH6	-9	0
	-3	3
	-2	1
	-1	77600
	1	290
	2	120
	3	130
PEH6C2	-9	0
	-3	2
	-2	0
	-1	77600
	1	196
	2	320
	3	26

<u>Item</u>	<u>Value</u>	<u>Tallies</u>
PEJ1A1	-9	179
	-3	240
	-2	274
	-1	26060
	1	7648
	2	43743
PEJ2A1	-9	7
	-3	11
	-2	7
	-1	70496
	1	142
	2	917
	3	6564
PEJ1A2	-9	199
	-3	240
	-2	229
	-1	26060
	1	2388
	2	49028
PEJ2A2	-9	6
	-3	1
	-2	2
	-1	75756
	1	23
	2	118
	3	2238
PEJ1A3	-9	206
	-3	246
	-2	238
	-1	26060
	1	2278
	2	49116
PEJ2A3	-9	1
	-3	2
	-2	2
	-1	75866
	1	9
	2	114
	3	2150

<u>Item</u>	<u>Value</u>	<u>Tallies</u>
PEJ1A3_5	-9	215
	-3	250
	-2	226
	-1	26060
	1	3981
	2	47412
PEJ2A3_5	-9	2
	-3	1
	-2	5
	-1	74163
	1	718
	2	515
	3	2740
PEJ1A4	-9	223
	-3	254
	-2	223
	-1	26060
	1	3200
	2	48184
PEJ2A4	-9	1
	-3	3
	-2	2
	-1	74944
	1	485
	2	221
	3	2488
PEJ1A5R	-9	234
	-3	263
	-2	218
	-1	26060
	1	1369
	2	47762
	3	2238
PEJ2A5R	-9	2
	-3	0
	-2	0
	-1	76775
	1	100
	2	137
	3	1130

<u>Item</u>	<u>Value</u>	<u>Tallies</u>
PEJ4	-9	3
	-3	6
	-2	4
	-1	77203
	1	240
	2	688
PEK2A	-9	4
	-3	17
	-2	65
	-1	65019
	1	12171
	2	868
PEK4	-9	276
	-3	321
	-2	89
	-1	40564
	1	33624
	2	1649
	3	1621
INTRVIEW	1	52084
	2	26060

ATTACHMENT 14

COUNTRIES AND AREAS OF THE WORLD

Current Population Survey

Starting May 2012

Code	Name	Code	Name
057	United States	158	Armenia
060	American Samoa	159	Azerbaijan
066	Guam	160	Belarus
069	Northern Marianas	161	Georgia
073	Puerto Rico	162	Moldova
078	U. S. Virgin Islands	163	Russia
100	Albania	164	Ukraine
102	Austria	165	USSR
103	Belgium	166	Europe, not specified
104	Bulgaria	168	Montenegro
105	Czechoslovakia	200	Afghanistan
106	Denmark	202	Bangladesh
108	Finland	203	Bhutan
109	France	205	Myanmar (Burma)
110	Germany	206	Cambodia
116	Greece	207	China
117	Hungary	209	Hong Kong
118	Iceland	210	India
119	Ireland	211	Indonesia
120	Italy	212	Iran
126	Netherlands	213	Iraq
127	Norway	214	Israel
128	Poland	215	Japan
129	Portugal	216	Jordan
130	Azores	217	Korea
132	Romania	218	Kazakhstan
134	Spain	220	South Korea
136	Sweden	222	Kuwait
137	Switzerland	223	Laos
138	United Kingdom	224	Lebanon
139	England	226	Malaysia
140	Scotland	228	Mongolia
142	Northern Ireland	229	Nepal
147	Yugoslavia	231	Pakistan
148	Czech Republic	233	Philippines
149	Slovakia	235	Saudi Arabia
150	Bosnia & Herzegovina	236	Singapore
151	Croatia	238	Sri Lanka
152	Macedonia	239	Syria
154	Serbia	240	Taiwan
155	Estonia	242	Thailand
156	Latvia	243	Turkey
157	Lithuania	245	United Arab Emirates

Code	Name	Code	Name
246	Uzbekistan	373	Venezuela
247	Vietnam	374	South America, not specified
248	Yemen	399	Americas, not specified
249	Asia, not specified	400	Algeria
300	Bermuda	407	Cameroon
301	Canada	408	Cape Verde
303	Mexico	412	Congo
310	Belize	414	Egypt
311	Costa Rica	416	Ethiopia
312	El Salvador	417	Eritrea
313	Guatemala	421	Ghana
314	Honduras	423	Guinea
315	Nicaragua	425	Ivory Coast
316	Panama	427	Kenya
321	Antigua and Barbuda	429	Liberia
323	Bahamas	430	Libya
324	Barbados	436	Morocco
327	Cuba	440	Nigeria
328	Dominica	444	Senegal
329	Dominican Republic	447	Sierra Leone
330	Grenada	448	Somalia
332	Haiti	449	South Africa
333	Jamaica	451	Sudan
338	St. Kitts--Nevis	453	Tanzania
339	St. Lucia	454	Togo
340	St. Vincent and the Grenadines	457	Uganda
341	Trinidad and Tobago	459	Zaire
343	West Indies, not specified	460	Zambia
360	Argentina	461	Zimbabwe
361	Bolivia	462	Africa, not specified
362	Brazil	501	Australia
363	Chile	508	Fiji
364	Columbia	511	Marshall Islands
365	Ecuador	512	Micronesia
368	Guyana	515	New Zealand
369	Paraguay	523	Tonga
370	Peru	527	Samoa
372	Uruguay	555	Elsewhere

ATTACHMENT 15

ALLOCATION FLAGS

Current Population Survey

For every edited item, there is a corresponding allocation flag with the prefix "PX". The last six characters of the names are the same. For example, PXMLR is the allocation flag for PEMLR. All allocation flags have the following list of possible values.

00	VALUE - NO CHANGE
01	BLANK - NO CHANGE
02	DON'T KNOW - NO CHANGE
03	REFUSED - NO CHANGE
10	VALUE TO VALUE
11	BLANK TO VALUE
12	DON'T KNOW TO VALUE
13	REFUSED TO VALUE
20	VALUE TO LONGITUDINAL VALUE
21	BLANK TO LONGITUDINAL VALUE
22	DON'T KNOW TO LONGITUDINAL VALUE
23	REFUSED TO LONGITUDINAL VALUE
30	VALUE TO ALLOCATED VALUE LONG.
31	BLANK TO ALLOCATED VALUE LONG.
32	DON'T KNOW TO ALLOCATED VALUE LONG.
33	REFUSED TO ALLOCATED VALUE LONG.
40	VALUE TO ALLOCATED VALUE
41	BLANK TO ALLOCATED VALUE
42	DON'T KNOW TO ALLOCATED VALUE
43	REFUSED TO ALLOCATED VALUE
50	VALUE TO BLANK
52	DON'T KNOW TO BLANK
53	REFUSED TO BLANK

Attachment 16

Source of the Data and Accuracy of the Estimates for the September 2022, January 2023, and May 2023 Current Population Survey Microdata File on Tobacco Use

SOURCE OF THE DATA

The data in this microdata files are from the September 2022, January 2023, and May 2023 Current Population Survey (CPS). The U.S. Census Bureau conducts the CPS every month, although this file has only September 2022, January 2023, and May 2023 data. The survey uses two sets of questions, the basic CPS and a set of supplemental questions. The CPS, sponsored jointly by the Census Bureau and the U.S. Bureau of Labor Statistics, is the country's primary source of labor force statistics for the civilian noninstitutionalized population. The National Cancer Institute (NCI) of the National Institutes of Health (NIH) and the U.S. Food and Drug Administration (FDA), both of the U.S. Department of Health and Human Services (HHS), co-sponsored the September 2022, January 2023, and May 2023 Tobacco Use Supplements (TUS). NCI has sponsored the supplemental questions for the TUS since 1992. The Centers for Disease Control and Prevention (CDC), also of the HHS, co-sponsored, with NCI, the survey waves 2001-2007.

Basic CPS. The monthly CPS collects primarily labor force data about the civilian noninstitutionalized population living in the United States. The institutionalized population, which is excluded from the universe, consists primarily of the population in correctional institutions and nursing homes (98 percent of the 4.0 million institutionalized people in the 2010 Census). Starting in August 2017, college and university dormitories were also excluded from the universe because most of the residents had usual residences elsewhere. Interviewers ask questions concerning labor force participation of each member 15 years old and older in sample households. Typically, the week containing the nineteenth of the month is the interview week. The week containing the twelfth is the reference week (i.e., the week about which the labor force questions are asked).

The CPS uses a multistage probability sample based on the results of the decennial census, with coverage in all 50 states and the District of Columbia. The sample is continually updated to account for new residential construction. When files from the most recent decennial census become available, the Census Bureau gradually introduces a new sample design for the CPS.

Every ten years, the CPS first-stage sample is redesigned¹ reflecting changes based on the most recent decennial census. In the first stage of the sampling process, primary sampling units (PSUs)² were selected for sample. In the 2010 sample design, the United States was

¹ For detailed information on the 2010 sample redesign, please reference Bureau of Labor Statistics (2014).

² The PSUs correspond to substate areas (i.e., counties or groups of counties) that are geographically contiguous.

divided into 1,987 PSUs. These PSUs were then grouped into 852 strata. Within each stratum, a single PSU was chosen for the sample, with its probability of selection proportional to its population as of the most recent decennial census. In the case of strata consisting of only one PSU, the PSU was chosen with certainty.

Approximately 69,000 sampled addresses were selected from the sampling frame in September 2022, January 2023, and May 2023. Based on eligibility criteria, a percentage of these sampled addresses were sent directly to computer-assisted telephone interviewing (CATI). The remaining sampled addresses were assigned to interviewers for computer-assisted personal interviewing (CAPI).³ Of all addresses in sample, about 59,000 were determined to be eligible for interview in September 2022 and January 2023. About 60,000 addresses in sample were determined to be eligible for interview in May 2023. Noninterviews occur when the occupants are not found at home after repeated calls or are unavailable for some other reason.⁴

Table 1 shows the number of households selected, the CATI assignment percentage, the number of households determined to be eligible for the supplement, and the number of households from which interviews were obtained from each of the three months of the TUS.

Table 1. Current Population Survey Sampling Frame

Month and Year of Sample	Sample Selected	CATI	Eligible	Interviewed
September 2022	69,000	8%	59,000	43,000
January 2023	69,000	8%	59,000	42,000
May 2023	69,000	7%	60,000	42,000

Source: U.S. Census Bureau, Current Population Survey, internal data files.

Note: Numbers rounded to the nearest thousand. Percentages rounded to the nearest whole percent.

September 2022, January 2023, and May 2023 Supplements. In addition to the basic CPS questions, interviewers asked supplementary questions on tobacco use of the civilian noninstitutionalized population 18 years and older. The TUS is a large, nationally representative survey, which enables the production of national, state, and some sub-state estimates, especially when 3 months of a TUS series are combined. The TUS collected information from about 53,000, 52,000, and 53,000 respondents in September 2022, January 2023, and May 2023, respectively. Table 2 shows the approximate percentages of responses for some measures of use, by month.

³ For further information on CATI and CAPI and the eligibility criteria, please reference U.S. Census Bureau (2019).

⁴ Counts and estimates throughout this source and accuracy statement are rounded according to Disclosure Review Board rounding rules.

Table 2. Tobacco Use Supplement Respondent Information

Supplement	Number Interviewed	Percentage of Proxy Response	Percentage of Self-Response	Percentage Telephone Interview ^A	Percentage Personal Interview
September 2022	53,000	25%	75%	72% (71% self-only)	28% (29% self-only)
January 2023	52,000	28%	72%	74% (73% self-only)	26% (27% self-only)
May 2023	53,000	30%	70%	71% (71% self-only)	29% (29% self-only)

Source: U.S. Census Bureau, Current Population Survey, internal data files.

^A Respondents with 'CAPI' for HRMODE and 'Not in Universe' for PES81A are not included, for consistency, as we cannot determine if interview was conducted by telephone or in-person.

Note: Numbers rounded to the nearest thousand. Percentages rounded to the nearest whole percent.

Estimation Procedure. This survey's estimation procedure adjusts weighted sample results to agree with independently derived population controls of the civilian noninstitutionalized population of the United States, each state, and the District of Columbia. These population controls⁵ are prepared monthly as part of the Census Bureau's Population Estimates Program.

The population controls for the nation are distributed by demographic characteristics in two ways:

- Age, sex, and race (White alone, Black alone, and all other groups combined).
- Age, sex, and Hispanic origin.

The population controls for the states are distributed by:

- Race (Black alone and all other race groups combined).
- Age (0-15, 16-44, and 45 and over).
- Sex.

The independent estimates by age, sex, race, and Hispanic origin, and for states by selected age groups and broad race categories, are developed using the basic demographic accounting formula whereby the population from the 2020 Census data⁶ is updated using data on the components of population change (births, deaths, and net international

⁵ For additional information on population controls, including details on the demographic characteristics used and net international components, please refer to Chapters 1-3 and Appendix: History of the Current Population Survey of U.S. Census Bureau (2019).

⁶ In recent decades, the decennial census has usually provided all the data necessary to produce the population base used in the population controls. However, changes in disclosure avoidance practices and delays in the 2020 Census necessitated changes to the data sources that produce the base population for the Vintage 2021 population estimates. The updated population controls use a Blended Base that draws on the 2020 Census, 2020 Demographic Analysis Estimates, and Vintage 2020 Postcensal Population Estimates. More information on this methodology can be found at U.S. Census Bureau (2021).

migration) with net internal migration as an additional component in the state population controls.

The net international migration component of the population controls includes:

- Net international migration of the foreign born;
- Net migration between the United States and Puerto Rico;
- Net migration of natives to and from the United States; and
- Net movement of the Armed Forces population to and from the United States.

Because the latest available information on these components lags behind the survey date, it is necessary to make short-term projections of these components to develop the estimate for the survey date.

Tobacco Use Supplement Estimation Procedure. In addition to the CPS estimation procedure, the TUS uses a supplement noninterview adjustment and a supplement self-response adjustment. The supplement noninterview adjustment accounts for occupied sample households that responded to and completed the CPS but not the supplement questionnaire. The self-response adjustment accounts for the elimination of interviews that were completed by proxy.

NOTE: The CPS household weight (HWHHWGT) adjusts for household nonresponse. Additional calculations are needed to create a supplement household weight. There are two sets of supplement weights on this microdata file. The nonresponse weight (PWNRWGT) includes only the noninterview adjustment. The self-response weight (PWSRWGT) includes both the noninterview adjustment and the self-response adjustment.

ACCURACY OF THE ESTIMATES

A sample survey estimate has two types of error: sampling and nonsampling. The accuracy of an estimate depends on both types of error. The nature of the sampling error is known given the survey design; the full extent of the nonsampling error is unknown.

Sampling Error. Since the CPS estimates come from a sample, they may differ from figures from an enumeration of the entire population using the same questionnaires, instructions, and enumerators. For a given estimator, the difference between an estimate based on a sample and the estimate that would result if the sample were to include the entire population is known as sampling error. Standard errors, as calculated by methods described in “Standard Errors and Their Use,” are primarily measures of the magnitude of sampling error. However, the estimation of standard errors may include some nonsampling error.

Nonsampling Error. For a given estimator, the difference between the estimate that would result if the sample were to include the entire population and the true population value being estimated is known as nonsampling error. There are several sources of nonsampling

error that may occur during the development or execution of the survey. It can occur because of circumstances created by the interviewer, the respondent, the survey instrument, or the way the data are collected and processed. Some nonsampling errors, and examples of each, include:

- Measurement error: The interviewer records the wrong answer, the respondent provides incorrect information, the respondent estimates the requested information, or an unclear survey question is misunderstood by the respondent.
- Coverage error: Some individuals who should have been included in the survey frame were missed.
- Nonresponse error: Responses are not collected from all those in the sample or the respondent is unwilling to provide information.
- Imputation error: Values are estimated imprecisely for missing data.
- Processing error: Forms may be lost, data may be incorrectly keyed, coded, or recoded, etc.

To minimize these errors, the Census Bureau applies quality control procedures during all stages of the production process including the design of the survey, the wording of questions, the review of the work of interviewers and coders, and the statistical review of reports.

Two types of nonsampling error that can be examined to a limited extent are nonresponse and undercoverage.

Nonresponse. The effect of nonresponse cannot be measured directly, but one indication of its potential effect is the nonresponse rate. Table 3 shows the unweighted nonresponse rates for the basic CPS, as well as the overall (self and proxy) nonresponse rate and the self-only nonresponse rate, for the September 2022, January 2023, and May 2023 supplements.

Table 3. Current Population Survey Nonresponse Rates

Month and Year	Basic CPS (Household Nonresponse Rate)	Supplement (Self and Proxy Nonresponse Rate)	Supplement (Self-Only Nonresponse Rate)
September 2022	27.0%	23.2%	42.4%
January 2023	29.0%	22.4%	44.0%
May 2023	29.3%	22.7%	45.7%

Source: U.S. Census Bureau, Current Population Survey, internal data files.

Note: Percentages rounded to the nearest tenth of a percent.

Since the basic CPS nonresponse rate is a household-level rate and the Tobacco Use supplement nonresponse rate is a person-level rate, we cannot combine these rates to derive an overall nonresponse rate. Nonresponding households may have more or fewer persons than interviewed ones, so combining these rates may lead to an under- or overestimate of the true overall nonresponse rate for persons for the Tobacco Use supplement.

In accordance with Census Bureau and Office of Management and Budget Quality Standards, the Census Bureau will conduct an analysis to assess nonresponse bias in the Tobacco Use.

Responses are made up of complete interviews and sufficient partial interviews. A sufficient partial interview is an incomplete interview in which the household or person answered enough of the questionnaire for the supplement sponsor to consider the interview complete. The remaining supplement questions may have been edited or imputed to fill in missing values. Insufficient partial interviews are considered to be nonrespondents. Refer to the supplement overview attachment in the technical documentation for the specific questions deemed critical by the sponsor as necessary to answer in order to be considered a sufficient partial interview.

As a result of sufficient partial interviews being considered responses, individual items/questions have their own response and refusal rates. As part of the nonsampling error analysis, the item response rates, item refusal rates, and edits are reviewed. For the TUS, unweighted item refusal rates range from 0.0 percent to 24.7 percent for September 2022, 0.0 percent to 29.4 percent for January 2023, and 0.0 percent to 33.0 percent for May 2023. The unweighted item nonresponse rates range from 0.1 percent to 27.4 percent for September 2022, 0.0 percent to 32.2 percent for January 2023, and 0.0 percent to 35.8 percent for May 2023. These rates on the high end of the range, however, do not reflect the true quality of the supplement data. The rates include a small number of “intentional flag” variables, which are derived from questions that direct the questionnaire flow for a small portion of the supplement universe (e.g., those who ONLY used a non-cigarette tobacco product one or two times) and a few other types of follow-up or unit variables. Using the September 2022 data as an example, a conservative analysis among ALL items (including these special purpose items) yields the following distribution for the unweighted item nonresponse rates: 0.0 percent at the 10th and 25th percentiles, 1.2 percent at the 50th percentile (median), 3.3 percent at the 75th percentile, and 7.4 percent at the 90th percentile.

Undercoverage. The concept of coverage with a survey sampling process is defined as the extent to which the total population that could be selected for sample “covers” the survey’s target population. Missed housing units and missed people within sample households create undercoverage in the CPS. Overall CPS undercoverage for September 2022, January 2023, and May 2023 is estimated to be about ten percent. CPS coverage varies with age, sex, and race. Generally, coverage is higher for females than for males and higher for non-Blacks than for Blacks. This differential coverage is a general problem for most household-based surveys.

The CPS weighting procedure mitigates bias from undercoverage, but biases may still be present when people who are missed by the survey differ from those interviewed in ways other than age, race, sex, Hispanic origin, and state of residence. How this weighting procedure affects other variables in the survey is not precisely known. All of these considerations affect comparisons across different surveys or data sources.

A common measure of survey coverage is the coverage ratio, calculated as the estimated population before poststratification divided by the independent population control. Tables 4 through 6 show CPS coverage ratios by age and sex for certain race and Hispanic groups for September 2022, January 2023, and May 2023. The CPS coverage ratios can exhibit some variability from month to month.

Table 4. Current Population Survey Coverage Ratios: September 2022

Age group	<u>Total</u>			<u>White alone</u>		<u>Black alone</u>		<u>Residual race^A</u>		<u>Hispanic^B</u>	
	All people	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-15	0.85	0.85	0.85	0.90	0.89	0.73	0.71	0.77	0.80	0.83	0.86
16-19	0.82	0.83	0.80	0.87	0.82	0.72	0.73	0.74	0.75	0.90	0.87
20-24	0.77	0.76	0.77	0.80	0.79	0.61	0.72	0.69	0.76	0.86	0.84
25-34	0.81	0.80	0.81	0.85	0.85	0.56	0.66	0.79	0.84	0.83	0.86
35-44	0.89	0.86	0.91	0.89	0.94	0.76	0.80	0.83	0.87	0.83	0.97
45-54	0.89	0.88	0.90	0.89	0.93	0.80	0.78	0.86	0.82	0.82	0.90
55-64	0.93	0.90	0.95	0.91	0.97	0.81	0.85	0.92	1.00	0.77	0.92
65+	1.05	1.03	1.07	1.04	1.09	0.99	1.02	0.91	0.95	0.88	0.95
15+	0.90	0.88	0.92	0.91	0.95	0.75	0.81	0.83	0.87	0.83	0.91
0+	0.89	0.88	0.91	0.91	0.94	0.74	0.79	0.81	0.85	0.83	0.89

Source: U.S. Census Bureau, Current Population Survey, September 2022.

^A The Residual race group includes cases indicating a single race other than White or Black, and cases indicating two or more races.

^B Hispanics may be any race.

Note: For a more detailed discussion on the use of parameters for race and ethnicity, please refer to the "Generalized Variance Parameters" section.

Table 5. Current Population Survey Coverage Ratios: January 2023

Age group	<u>Total</u>			<u>White alone</u>		<u>Black alone</u>		<u>Residual race^A</u>		<u>Hispanic^B</u>	
	All people	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-15	0.85	0.85	0.85	0.90	0.90	0.65	0.66	0.78	0.79	0.82	0.81
16-19	0.82	0.83	0.82	0.85	0.85	0.76	0.73	0.77	0.72	0.87	0.84
20-24	0.74	0.77	0.71	0.81	0.74	0.66	0.63	0.70	0.66	0.81	0.78
25-34	0.82	0.81	0.83	0.85	0.87	0.60	0.68	0.79	0.78	0.79	0.87
35-44	0.87	0.84	0.90	0.88	0.92	0.65	0.82	0.76	0.90	0.77	0.89
45-54	0.90	0.88	0.93	0.91	0.96	0.71	0.80	0.84	0.89	0.81	0.91
55-64	0.94	0.92	0.97	0.94	1.00	0.86	0.88	0.80	0.81	0.87	0.91
65+	1.05	1.03	1.06	1.04	1.07	1.05	1.05	0.94	0.89	0.91	0.89
15+	0.90	0.88	0.92	0.92	0.95	0.75	0.81	0.80	0.82	0.82	0.87
0+	0.89	0.88	0.91	0.91	0.94	0.72	0.78	0.80	0.82	0.82	0.86

Source: U.S. Census Bureau, Current Population Survey, January 2023.

^A The Residual race group includes cases indicating a single race other than White or Black, and cases indicating two or more races.

^B Hispanics may be any race.

Note: For a more detailed discussion on the use of parameters for race and ethnicity, please refer to the "Generalized Variance Parameters" section.

Table 6. Current Population Survey Coverage Ratios: May 2023

Age group	<u>Total</u>			<u>White alone</u>		<u>Black alone</u>		<u>Residual race^A</u>		<u>Hispanic^B</u>	
	All people	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-15	0.86	0.86	0.85	0.92	0.92	0.67	0.65	0.77	0.77	0.79	0.80
16-19	0.84	0.85	0.83	0.88	0.87	0.74	0.65	0.77	0.81	0.91	0.78
20-24	0.75	0.76	0.74	0.78	0.78	0.61	0.59	0.77	0.68	0.85	0.75
25-34	0.83	0.83	0.83	0.89	0.88	0.56	0.67	0.83	0.80	0.86	0.85
35-44	0.88	0.86	0.91	0.89	0.96	0.71	0.73	0.86	0.83	0.82	0.91
45-54	0.91	0.88	0.94	0.91	0.97	0.75	0.84	0.81	0.87	0.79	0.91
55-64	0.96	0.94	0.98	0.95	1.01	0.84	0.86	0.92	0.88	0.90	1.03
65+	1.05	1.06	1.05	1.07	1.08	1.05	0.99	0.89	0.79	0.94	0.92
15+	0.91	0.90	0.92	0.93	0.97	0.74	0.78	0.84	0.81	0.85	0.88
0+	0.90	0.89	0.91	0.93	0.96	0.73	0.76	0.82	0.80	0.84	0.86

Source: U.S. Census Bureau, Current Population Survey, May 2023.

^A The Residual race group includes cases indicating a single race other than White or Black, and cases indicating two or more races.

^B Hispanics may be any race.

Note: For a more detailed discussion on the use of parameters for race and ethnicity, please refer to the “Generalized Variance Parameters” section.

Comparability of Data. Data obtained from the CPS and other sources are not entirely comparable. This is due to differences in interviewer training and experience and in differing survey processes.⁷ These differences are examples of nonsampling variability not reflected in the standard errors. Therefore, caution should be used when comparing results from different sources.

Data users should be careful when comparing the data from this microdata file, which reflects 2020 Census-based controls⁸, with microdata files which reflect 2010 Census-based controls. Ideally, the same population controls should be used when comparing any estimates. In reality, the use of the same population controls is not practical when comparing trend data over a period of 10 to 20 years. Thus, when it is necessary to combine or compare data based on different controls or different designs, data users should be aware that changes in weighting controls or weighting procedures can create small differences between estimates. The discussion following includes information on comparing estimates derived from different populations or different sample designs.

Microdata files from previous years reflect the latest available census-based controls. Although the most recent change in population controls had relatively little impact on summary measures such as averages, medians, and percentage distributions, it did have a significant impact on levels. For example, use of 2020 Census-based controls results in about a 0.7 percent increase from the 2010 Census-based controls in the civilian noninstitutionalized population. Thus, estimates of levels for data collected in 2012 and

⁷ Survey processes include, but are not limited to, question wording, universe, sampling frame, interview modes, and weighting.

⁸ Refer to Footnote 6.

later years will differ from those for earlier years by more than what could be attributed to actual changes in the population. These differences could be disproportionately greater for certain population subgroups than for the total population.

Users should also exercise caution because of changes caused by the phase-in of the 2010 Census files (refer to “Basic CPS”).⁹ During this time period, CPS data were collected from sample designs based on different censuses. Two features of the new CPS design have the potential of affecting estimates: (1) the temporary disruption of the rotation pattern from August 2014 through June 2015 for a comparatively small portion of the sample and (2) the change in sample areas. Most of the known effect on estimates during and after the sample redesign will be the result of changing from 2000 to 2010 geographic definitions. Research has shown that the national-level estimates of the metropolitan and nonmetropolitan populations should not change appreciably because of the new sample design. However, users should still exercise caution when comparing metropolitan and nonmetropolitan estimates across years with a design change, especially at the state level.

Caution should also be used when comparing Hispanic estimates over time. No independent population control totals for people of Hispanic origin were used before 1985.

A Nonsampling Error Warning. Since the full extent of the nonsampling error is unknown, one should be particularly careful when interpreting results based on small differences between estimates. The Census Bureau recommends that data users incorporate information about nonsampling errors into their analyses, as nonsampling error could impact the conclusions drawn from the results. Caution should also be used when interpreting results based on a relatively small number of cases. Summary measures (such as medians and percentage distributions) probably do not reveal useful information when computed on a subpopulation smaller than 75,000.

For additional information on nonsampling error, including the possible impact on CPS data, when known, refer to U.S. Census Bureau (2019) and Brooks & Bailar (1978).

Standard Errors and Their Use. A sample estimate and its standard error enable one to construct a confidence interval. A confidence interval is a range about a given estimate that has a specified probability of containing the average result of all possible samples. For example, if all possible samples were surveyed under essentially the same general conditions and using the same sample design, and if an estimate and its standard error were calculated from each sample, then approximately 90 percent of the intervals from 1.645 standard errors below the estimate to 1.645 standard errors above the estimate would include the average result of all possible samples.

A particular confidence interval may or may not contain the average estimate derived from all possible samples, but one can say with the specified confidence that the interval includes the average estimate calculated from all possible samples.

⁹ The phase-in process using the 2010 Census files began April 2014.

Standard errors may also be used to perform hypothesis testing, a procedure for distinguishing between population parameters using sample estimates. The most common type of hypothesis is that the population parameters are different. An example of this would be comparing the percentage of men who were part-time workers to the percentage of women who were part-time workers.

Tests may be performed at various levels of significance. A significance level is the probability of concluding that the characteristics are different when, in fact, they are the same. For example, to conclude that two characteristics are different at the 0.10 level of significance, the absolute value of the estimated difference between characteristics must be greater than or equal to 1.645 times the standard error of the difference.

The Census Bureau uses 90-percent confidence intervals and 0.10 levels of significance to determine statistical validity. Consult standard statistical textbooks for alternative criteria.

Estimating Standard Errors. The Census Bureau uses replication methods to estimate the standard errors of CPS and Tobacco Use estimates. These methods primarily measure the magnitude of sampling error. However, they do measure some effects of nonsampling error as well. They do not measure systematic biases in the data associated with nonsampling error. Bias is the average over all possible samples of the differences between the sample estimates and the true value.

There are two ways to calculate standard errors for the CPS microdata file on Tobacco Use.

1. Direct estimates created from replicate weighting methods;
2. Generalized variance estimates created from generalized variance function (GVF) parameters *a* and *b*.

While replicate weighting methods provide the most accurate variance estimates, this approach requires more computing resources and more expertise on the part of the user. The GVF parameters provide a method of balancing accuracy with resource usage as well as a smoothing effect on standard error estimates. For more information on calculating direct estimates, visit the “Replicate Weighting” section and refer to U.S. Census Bureau (2012) and/or U.S. Census Bureau (2018). For more information on GVF estimates, refer to the “Generalized Variance Parameters” section.

Replicate Weighting. The Census Bureau is releasing public use replicate weight files for the September 2022, January 2023, and May 2023 TUS that can be matched to the public use survey data files.

Replicate estimates are created using each of the 160 weights independently to create 160 replicate estimates. For point estimates, multiply the replicate weights by the item of interest at the record level (either an indicator variable to determine the number of people with a characteristic or a variable that contains some value) and tally the weighted values to create the 160 replicate estimates. Use these replicate estimates in formula (1) below to

calculate the total variance for the item of interest. For example, say that the item of interest is the number of males. Tally the weights for all the records that indicated male to create the 160 replicate estimates of the number of males. Then use these estimates in the formula to calculate the total variance for the number of males.

Calculate variance estimates for the estimates using:

$$\text{var}(\hat{\theta}_0) = \frac{4}{160} \sum_{i=1}^{160} (\hat{\theta}_i - \hat{\theta}_0)^2 \quad (1)$$

where $\hat{\theta}_0$ is the estimate of the statistic of interest, such as a point estimate or proportion, using the weight for the full sample, and $\hat{\theta}_i$ are the replicate estimates of the same statistic using the replicate weights.

For more information on using replicate weights and calculating direct estimates, refer to U.S. Census Bureau (2012) and/or U.S. Census Bureau (2018).

Generalized Variance Parameters. While it is possible to estimate the standard error based on the survey data for each estimate in a report, there are a number of reasons why this is not done. A presentation of the individual standard errors would be of limited use, since one could not possibly predict all of the combinations of results that may be of interest to data users. Additionally, data users have access to CPS microdata files, and it is impossible to compute in advance the standard error for every estimate one might obtain from those data sets. Moreover, variance estimates are based on sample data and have variances of their own. Therefore, some methods of stabilizing these estimates of variance, for example, by generalizing or averaging over time, may be used to improve their reliability.

Experience has shown that certain groups of estimates have similar relationships between their variances and expected values. Modeling or generalizing may provide more stable variance estimates by taking advantage of these similarities. The GVF is a simple model that expresses the variance as a function of the expected value of the survey estimate. The parameters of the GVF are estimated using direct replicate variances. These GVF parameters provide a relatively easy method to obtain approximate standard errors for numerous characteristics.

In this source and accuracy statement:

- Tables 8 through 20 provide illustrations for calculating standard errors;
- Tables 21 and 22 provide the GVF parameters for the supplement specific estimates; and
- Tables 23 and 24 provide the factors and populations for computation by state and region.

The basic CPS questionnaire records the race and ethnicity of each respondent. With respect to race, a respondent can be White, Black, Asian, American Indian and Alaskan

Native (AIAN), Native Hawaiian and Other Pacific Islander (NHOPI), or combinations of two or more of the preceding. A respondent's ethnicity can be Hispanic or non-Hispanic, regardless of race.

The GVF parameters to use in computing standard errors are dependent upon the race/ethnicity group of interest. Table 7 summarizes the relationship between the race/ethnicity group of interest and the GVF parameters to use in standard error calculations.

Table 7. Estimation Groups of Interest and Generalized Variance Parameters

Race/ethnicity group of interest	Generalized variance parameters to use in standard error calculations
Total population	Total
White alone, White alone or in combination (AOIC), or White non-Hispanic population	White
Black alone, Black AOIC, or Black non-Hispanic population	Black
Asian alone, Asian AOIC, or Asian non-Hispanic population	Asian, American Indian and Alaska Native (AIAN), Native Hawaiian and Other Pacific Islander (NHOPI)
AIAN alone, AIAN AOIC, or AIAN non-Hispanic population	Asian, AIAN, NHOPI
NHOPI alone, NHOPI AOIC, or NHOPI non-Hispanic population	Asian, AIAN, NHOPI
Populations from other race groups	Asian, AIAN, NHOPI
Hispanic ^A population	Hispanic ^A
Two or more races ^B – employment/unemployment and educational attainment characteristics	Black
Two or more races ^B – all other characteristics	Asian, AIAN, NHOPI

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use, internal data files.

^A Hispanics may be any race.

^B Two or more races refers to the group of cases self-classified as having two or more races.

When calculating standard errors for an estimate of interest from cross-tabulations involving different characteristics, use the set of GVF parameters for the characteristic that will give the largest standard error. If the estimate of interest is strictly from basic CPS data, information and parameters for calculations can be found under “Reliability of estimates from the CPS” at Bureau of Labor Statistics (2022). If the estimate of interest is from the TUS, the GVF parameters will come from Table 21 for nonresponse and Table 22 for self-response. Tables 21 and 22 also provide specific GVF parameters for use with combined 2-months and 3-months of data.

Standard Errors of Estimated Numbers. The approximate standard error, s_x , of an estimated number from this microdata file can be obtained by using the formula:

$$s_x = \sqrt{ax^2 + bx} \quad (2)$$

Here x is the size of the estimate, and a and b are the parameters in Table 8 associated with the particular type of characteristic.

Illustration 1

Suppose there were 16,910,000 everyday smokers aged 18 and up in May 2023. Table 8 shows how to use the appropriate parameters from Table 20 and Formula (2) to estimate the standard error and confidence interval.

Table 8. Illustration of Standard Errors of Estimated Numbers

Number of everyday smokers (x)	16,910,000
a-parameter (a)	-0.000024
b-parameter (b)	6,402
Standard error	318,000
90-percent confidence interval	16,390,000 to 17,430,000

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use, May 2023.

The standard error is calculated as

$$s_x = \sqrt{-0.000024 \times 16,910,000^2 + 6,402 \times 16,910,000},$$

which, rounded to the nearest thousand, is 318,000. The 90-percent confidence interval is calculated as $16,910,000 \pm 1.645 \times 318,000$.

A conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 90 percent of all possible samples.

Standard Errors of Estimated Percentages. The reliability of an estimated percentage, computed using sample data for both numerator and denominator, depends on both the size of the percentage and its base. Estimated percentages are relatively more reliable than the corresponding estimates of the numerators of the percentages, particularly if the percentages are 50 percent or more. When the numerator and denominator of the percentage are in different categories, use the parameter from Table 21 or 22 as indicated by the numerator.

The approximate standard error, $s_{y,p}$, of an estimated percentage can be obtained by using the formula:

$$s_{y,p} = \sqrt{\frac{b}{y}p(100 - p)} \quad (3)$$

Here y is the total number of people, families, households, or unrelated individuals in the base or denominator of the percentage, p is the percentage $100 \times x/y$ ($0 \leq p \leq 100$), and b is

the parameter in Table 21 or 22 associated with the characteristic in the numerator of the percentage.

Illustration 2

Suppose there were 80,820,000¹⁰ people aged 45 to 64 in May 2023, of which 9.2 percent were every-day smokers. Table 9 shows how to use the appropriate parameter from Table 21 and Formula (3) to estimate the standard error and confidence interval.

Table 9. Illustration of Standard Errors of Estimated Percentages

Percentage of people aged 45-64 who were everyday smokers (<i>p</i>)	9.2
Base (<i>y</i>)	80,820,000
b-parameter (<i>b</i>)	6,402
Standard error	0.26
90-percent confidence interval	8.8 to 9.6

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use, May 2023.

The standard error is calculated as

$$s_{y,p} = \sqrt{\frac{6,402}{80,820,000} \times 9.2 \times (100.0 - 9.2)} = 0.26$$

The 90-percent confidence interval for the estimated percentage of people aged 45 to 64 who are everyday smokers is calculated as $9.2 \pm 1.645 \times 0.26$.

Illustration 3

Of all adults (ages 18 and up) in May 2023, suppose the number of former smokers was 40,060,000 and the number of ever (current and former) smokers was 62,020,000¹¹. The percentage of former smokers out of ever smokers (known as the “quit ratio”) would be 64.6 percent. Table 10 shows how to use the appropriate parameter from Table 21 and Formula (3) to estimate the standard error and confidence interval.

¹⁰ Some respondents who gave an age in the 45-64 range did not respond to question PEA3 (“do you now smoke cigarettes every day, some days, or not at all?”). As a result, using the estimate (81,420,000) from PRTAGE=45-64 as a base would result in the estimated percentage of 45-64 year olds who were every-day smokers, some-day smokers, and former smokers summing to less than 100 percent of 45-64 year olds. Accordingly, we have used the weights of the PRTAGE=45-64 respondents who also responded to PEA3 as the base in this estimate, even though the sum of the weights of the PRTAGE=45-64 respondents is our actual estimate of the number of persons in the 45-64 age range.

¹¹ Some persons who responded in the affirmative to question PEA1 (“have you smoked at least 100 cigarettes in your entire life?”) did not respond to question PEA3 (“do you now smoke cigarettes every day, some days, or not at all?”). As a result, using the estimate (62,440,000) from PEA1 as a base would result in the estimated percentages of every-day smokers, some-day smokers, and former smokers summing to less than 100 percent of the persons who had ever smoked. Accordingly, we have used the weighted responses to PEA3 as the base in this estimate, even though the estimate from PEA1 is our actual estimate of the number of ever smokers.

An alternative to using PEA3 is to use SMOKSTAT. SMOKSTAT = 2-4 represents “Ever” smokers. The base number for “Ever smokers” using SMOKSTAT is the same as the number obtained from using PEA3.

Table 10. Second Illustration of Standard Errors of Estimated Percentages

Percentage of adult ever smokers who don't smoke anymore (p)	64.6
Base (y)	62,020,000
b-parameter (b)	6,402
Standard error	0.49
90-percent confidence interval	63.8 to 65.4

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use, May 2023.

The standard error is calculated as

$$s_{y,p} = \sqrt{\frac{6,402}{62,020,000} \times 64.6 \times (100.0 - 64.6)} = 0.49$$

and the 90-percent confidence interval is calculated as $64.6 \pm 1.645 \times 0.49$.

Standard Errors of Estimated Differences. The standard error of the difference between two sample estimates is approximately equal to

$$s_{|x_1 - x_2|} = \sqrt{(s_{x_1})^2 + (s_{x_2})^2} \quad (4)$$

where s_{x_1} and s_{x_2} are the standard errors of the estimates, x_1 and x_2 . The estimates can be numbers, percentages, ratios, etc. This will result in accurate estimates of the standard error of the same characteristic in two different areas or for the difference between separate and uncorrelated characteristics in the same area. However, if there is a high positive (negative) correlation between the two characteristics, the formula will overestimate (underestimate) the true standard error.

Illustration 4

In May 2023, suppose that for self-respondents, of the 10,580,000 non-Hispanic Blacks 18 to 34 years of age, 3.6 percent were every-day smokers, and of the 39,210,000 non-Hispanic Whites 18 to 34 years of age, 4.7 percent were every-day smokers. Table 11 shows how to use the appropriate parameters from Table 22, since the data is from self-respondents, and Formulas (3) and (4) to estimate the standard error and confidence interval.

Table 11. Illustration of Standard Errors of Estimated Differences

	Non-Hispanic Black (x_1)	Non-Hispanic White (x_2)	Difference
Percentage of people who were everyday smokers (p)	3.6	4.7	1.1
Base (y)	10,580,000	39,210,000	-
b-parameter (b)	11,194	8,502	-
Standard error	0.61	0.31	0.68
90-percent confidence interval	2.6 to 4.6	4.2 to 5.2	0.0 to 2.2

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use, May 2023.

The standard error of the difference is calculated as

$$s_{|x_1-x_2|} = \sqrt{0.61^2 + 0.31^2} = 0.68$$

and the 90-percent confidence interval around the difference is calculated as $1.1 \pm 1.645 \times 0.68$. Since this interval includes zero, we can conclude with 90-percent confidence that the percentage of non-Hispanic Black every-day smokers between 18 and 34 years of age is not significantly different than the percentage of non-Hispanic White every-day smokers between 18 and 34 years of age.

Standard Errors of Estimated Ratios. Certain estimates may be calculated as the ratio of two numbers. Compute the standard error of a ratio, x/y , using

$$s_{x/y} = \frac{x}{y} \sqrt{\left(\frac{s_x}{x}\right)^2 + \left(\frac{s_y}{y}\right)^2 - 2r \frac{s_x s_y}{xy}} \quad (5)$$

The standard error of the numerator, s_x , and that of the denominator, s_y , may be calculated using formulas described earlier. In Formula (5), r represents the correlation between the numerator and the denominator of the estimate.

For one type of ratio, the denominator is a count of families or households, and the numerator is a count of people in those families or households with a certain characteristic. If there is at least one person with the characteristic in every family or household, use 0.7 as an estimate of r . An example of this type is the average number of children per family with children.

For another type of ratio, the population estimated by the numerator (x) is a subset of the population estimated by the denominator (y). In that case,

$$r = \frac{x \times s_y}{y \times s_x} \quad (6)$$

For all other types of ratios, r is assumed to be zero. Examples are the average number of children per family and the family poverty rate. If r is actually positive (negative), then this procedure will provide an overestimate (underestimate) of the standard error of the ratio. NOTE: For estimates expressed as the ratio of x per 100 y or x per 1,000 y , multiply Formula (5) by 100 or 1,000, respectively, to obtain the standard error.

Illustration 5

In May 2023, suppose the number of adults who were self-reported as every-day smokers was 17,000,000¹² and the number of adults who were self-reported as some-day smokers was 4,436,000¹³. The ratio of every-day smokers to some-day smokers would be 3.8. Table 12 shows how to use Formulas (2) and (5) and the appropriate parameters from Table 22, since the data is from self-respondents, with $r = 0$ to estimate the standard error and confidence interval.

Table 12. Illustration of Standard Errors of Estimated Ratios

	Every-day (x)	Some-day (y)	Ratio
Number of smokers	17,000,000	4,436,000	3.8
a-parameter (a)	-0.000038	-0.000038	-
b-parameter (b)	10,017	10,017	-
Standard error	399,000	209,000	0.20
90-percent confidence interval	16,340,000 to 17,660,000	4,092,000 to 4,780,000	3.5 to 4.1

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use, May 2023.

The standard error of the ratio is calculated as

$$s_{x/y} = \frac{17,000,000}{4,436,000} \sqrt{\left(\frac{399,000}{17,000,000}\right)^2 + \left(\frac{209,000}{4,436,000}\right)^2} = 0.20$$

and the 90-percent confidence interval is calculated as $3.8 \pm 1.645 \times 0.20$.

Accuracy of State Estimates. The redesign of the CPS following the 1980 census provided an opportunity to increase efficiency and accuracy of state data. All strata are now defined within state boundaries. The sample is allocated among the states to produce state and national estimates with the required accuracy while keeping total sample size to a minimum. Improved accuracy of state data was achieved with about the same sample size as in the 1970 design.

Since the CPS is designed to produce both state and national estimates, the proportion of the total population sampled, and the sampling rates differ among the states. In general, the smaller the population of the state, the larger the sampling proportion. For example, in

¹² Computed in the same manner as in Illustration 8a to preserve consistency of estimates throughout this Source and Accuracy Statement. Refer to footnote 14 to Illustration 8a.

¹³ Computed in the same manner as in Illustration 8b to preserve consistency of estimates throughout this Source and Accuracy Statement. Refer to footnote 15 to Illustration 8b.

Vermont, approximately 1 in every 250 households is sampled each month. In New York, the sample is about 1 in every 2,000 households. Nevertheless, the size of the sample in New York is four times larger than in Vermont because New York has a larger population.

Standard Errors of State Estimates. The standard error for a state may be obtained by determining new state-level a- and b-parameters and then using these adjusted parameters in the standard error formulas mentioned previously. To determine a new state-level b-parameter (b_{state}), multiply the b-parameter from Table 21 or 22 by the state factor from Table 23. To determine a new state-level a-parameter (a_{state}), use the following:

- (1) If the a-parameter from Table 21 or 22 is positive, multiply the a-parameter by the state factor from Table 24.
- (2) If the a-parameter in Table 21 or 22 is negative, calculate the new state-level a-parameter as follows:

$$a_{state} = \frac{-b_{state}}{POP_{state}} \quad (7)$$

where POP_{state} is the state population found in Table 23.

Illustration 6

Suppose there were 998,000 adults living in Florida in May 2023 who were every-day smokers. Table 13 shows how to use the appropriate parameters, factor, and population from Tables 21 and 23 and Formulas (2) and (7) to estimate the standard error and confidence interval.

Table 13. Illustration of Standard Errors of State Estimates

Number of every-day smokers in Florida (x)	998,000
b-parameter (b)	6,402
Florida state factor	1.12
State population	21,787,388
State a-parameter (a_{state})	-0.000329
State b-parameter (b_{state})	7,170
Standard error	83,000
90-percent confidence interval	861,000 to 1,135,000

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use, May 2023.

Obtain the state-level b-parameter by multiplying the b-parameter, 6,402, by the state factor, 1.12. This gives $b_{state} = 6,402 \times 1.12 = 7,170$. Obtain the needed state-level a-parameter by

$$a_{state} = \frac{-7,170}{21,787,388} = -0.000329$$

The standard error of the estimate of the number of adults in Florida who were every-day smokers can then be found by using Formula (2) and the new state-level a- and b-parameters, -0.000329 and 7,170, respectively. The standard error is given by

$$s_x = \sqrt{-0.000329 \times 998,000^2 + 7,170 \times 998,000},$$

which, rounded to the nearest thousand, is 83,000. The 90-percent confidence interval is calculated as $998,000 \pm 1.645 \times 83,000$.

Standard Errors of Regional Estimates. To compute standard errors for regional estimates, follow the steps for computing standard errors for state estimates found in “Standard Errors of State Estimates” using the regional factors and populations found in Table 24.

Standard Errors of Groups of States. The standard error calculation for a group of states is similar to the standard error calculation for a single state. First, calculate a new state group factor for the group of states. Then, determine new state group a- and b-parameters. Finally, use these adjusted parameters in the standard error formulas mentioned previously.

Use the following formula to determine a new state group factor:

$$\text{state group factor} = \frac{\sum_{i=1}^n POP_i \times \text{state factor}_i}{\sum_{i=1}^n POP_i} \quad (8)$$

where POP_i and factor_i are the population and factor for state i from Table 23.

To obtain a new state group b-parameter ($b_{\text{state group}}$), multiply the b-parameter from Table 21 or 22 by the state group factor obtained by Formula (8). To determine a new state group a-parameter ($a_{\text{state group}}$), use the following:

- (1) If the a-parameter from Table 21 or 22 is positive, multiply the a-parameter by the state group factor determined by Formula (8).
- (2) If the a-parameter in Table 21 or 22 is negative, calculate the new state group a-parameter as follows:

$$a_{\text{state group}} = \frac{-b_{\text{state group}}}{\sum_{i=1}^n POP_i} \quad (9)$$

Illustration 7

Suppose the state group factor for the state group Illinois-Indiana-Michigan was required for May 2023. Use Formula (9) and the appropriate factors and populations from Table 23 to get

$$state\ group\ factor = \frac{12,350,133 \times 1.16 + 6,767,694 \times 1.14 + 9,931,623 \times 1.15}{12,350,133 + 6,767,694 + 9,931,623} = 1.15$$

Standard Errors of Averages for Grouped Data. The formula used to estimate the standard error of an average for grouped data is

$$s_{\bar{x}} = \sqrt{\frac{b}{y}} (S^2) \quad (10)$$

In this formula, y is the size of the base of the distribution and b is the parameter from Table 21 or 22. The variance, S^2 , is given by the following formula:

$$S^2 = \sum_{i=1}^c p_i \bar{x}_i^2 - \bar{x}^2 \quad (11)$$

where $\bar{x}$, the average of the distribution, is estimated by

$$\bar{x} = \sum_{i=1}^c p_i \bar{x}_i \quad (12)$$

and

c = the number of groups; i indicates a specific group, thus taking on values 1 through c .

p_i = estimated proportion of people, families, households, or unrelated individuals whose values, for the characteristic (x -values) being considered, fall in group i .

$\bar{x}_i$ = $(L_i + U_i)/2$ where L_i and U_i are the lower and upper interval boundaries, respectively, for group i . $\bar{x}_i$ is assumed to be the most representative value for the characteristic for people, families, households, or unrelated individuals in group i . If group c is open-ended, i.e., no upper interval boundary exists, use a group approximate average value of

$$\bar{x}_c = \frac{3}{2} L_c \quad (13)$$

NOTES: 1) For continuous data, i.e., income, time, etc., the upper bound of the i th interval and lower bound of the next interval are essentially the same. 2) Estimates for number of cigarettes smoked 'per some day' (as in Illustration 8b) must first be converted into estimates for number of cigarettes smoked 'per day' by multiplying by the average number of days smoked in the last 30 days, and dividing by 30 for each group i .

Illustration 8a

Suppose there were 17,000,000¹⁴ adult every-day smokers among self-respondents in May 2023. Table 14 shows the distribution of the average number of cigarettes consumed per day.

Table 14. Distribution of the Average Number of Cigarettes Consumed Per Day

Cigarettes per day	Percent of smokers	$\bar{x}_i$
1 – 10	51.2	$(1+10)/2 = 5.5$
11 – 20	40.9	$(11+20)/2 = 15.5$
21+	7.9	$3/2(31) = 31.5$

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use, May 2023.

Using Formula (12),

$$\bar{x} = (0.512 \times 5.5) + (0.409 \times 15.5) + (0.079 \times 31.5) = 11.64$$

and Formula (11),

$$S^2 = (0.512 \times 5.5^2) + (0.409 \times 15.5^2) + (0.079 \times 31.5^2) - 11.64^2 = 56.65$$

Because this data is from self-respondents, use the appropriate parameter from Table 22 and Formula (10) to get

Table 15. Illustration of Standard Errors of Averages for Grouped Data

Average amount of cigarettes smoked per day for every-day smokers ($\bar{x}$)	11.64
Variance (S^2)	56.65
Base (y)	17,000,000
b-parameter (b)	10,017
Standard error	0.183
90-percent confidence interval	11.34 to 11.94

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use, May 2023.

The standard error is calculated as

$$s_{\bar{x}} = \sqrt{\frac{10,017}{17,000,000} (56.65)} = 0.183$$

¹⁴ Some persons who responded as every-day smokers to question PEA3 (“Do you now smoke cigarettes every day, some days, or not at all?”) did not respond to PTB1 (“On the average, about how many cigarettes do you now smoke each day?”) with answers greater than zero. As a result, using the estimate (17,320,000) from PEA3 as a base would result in the estimated percentages of every-day smokers who smoke 1-10, 11-20, 21-30, and 31 or more cigarettes per day summing to well under 100 percent. Accordingly, we have used the weighted self-responses of those who answered both PTB1 with answers greater than zero as the base in this estimate, even though the estimate from PEA3 is our actual estimate of the number of every-day smokers.

and the 90-percent confidence interval is calculated as $11.64 \pm 1.645 \times 0.183$.

A conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 90 percent of all possible samples.

Illustration 8b

Suppose there were 4,436,000¹⁵ adult some-day smokers among self-respondents in May 2023. Table 16 shows the distribution of the average number of cigarettes consumed per some day and per every day.

Table 16. Distribution of the Average Number of Cigarettes Consumed Per Some Day and Per Every Day

Cigarettes per some day	Percent of smokers	$\bar{x}_i$	Average number of days smoked in the last 30 days (d_i)	Cigarettes per day ($\bar{x}_i \times d_i / 30$)
1	16.2	$(1+1)/2 = 1.0$	9.6	$1.0 \times 9.6 / 30 = 0.32$
2	23.4	$(2+2)/2 = 2.0$	10.9	$2.0 \times 10.9 / 30 = 0.73$
3	14.9	$(3+3)/2 = 3.0$	14.4	$3.0 \times 14.4 / 30 = 1.44$
4	9.6	$(4+4)/2 = 4.0$	14.9	$4.0 \times 14.9 / 30 = 1.99$
5+	35.9	$3/2(5) = 7.5$	16.5	$7.5 \times 16.5 / 30 = 4.13$

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use, May 2023.

Using Formula (12),

$$\bar{x} = (0.162 \times 0.32) + (0.234 \times 0.73) + (0.149 \times 1.44) + (0.096 \times 1.99) + (0.359 \times 4.13) = 2.11$$

and Formula (11),

$$S^2 = (0.162 \times 0.32^2) + (0.234 \times 0.73^2) + (0.149 \times 1.44^2) + (0.096 \times 1.99^2) + (0.359 \times 4.13^2) - 2.11^2 = 2.50$$

Because this data is from self-respondents, use the appropriate parameter from Table 22 and Formula (10) to get

¹⁵ Some persons who responded as some-day smokers to question PEA3 ("Do you now smoke cigarettes every day, some days, or not at all?") did not respond to both PEC1 ("On how many of the past 30 days did you smoke cigarettes?") and PTC1a (On the average, on those days, how many cigarettes did you usually smoke each day?) with answers greater than zero. As a result, using the estimate (5,148,000) from PEA3 as a base would result in the estimated percentages of smokers who smoke 1, 2, 3, 4, and 5 or more cigarettes per some day summing to well under 100 percent. Accordingly, we have used the weighted self-responses of those who answered both PEC1 and PTC1a with answers greater than zero as the base in this estimate, even though the estimate from PEA3 is our actual estimate of the number of some-day smokers.

Table 17. Second Illustration of Standard Errors of Averages for Grouped Data

Average amount of cigarettes smoked per day for some-day smokers ($\bar{x}$)	2.11
Variance (S^2)	2.50
Base (y)	4,436,000
b-parameter (b)	10,017
Standard error	0.075
90-percent confidence interval	1.99 to 2.23

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use, May 2023.

The standard error is calculated as

$$s_{\bar{x}} = \sqrt{\frac{10,017}{4,436,000} (2.50)} = 0.075$$

and the 90-percent confidence interval is calculated as $2.11 \pm 1.645 \times 0.075$.

A conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 90 percent of all possible samples.

Standard Errors of Estimated Aggregates. Aggregates, such as the total number of cigarettes consumed, are computed by multiplying the average number of cigarettes consumed per smoker, $\bar{x}$, by the total number of smokers, y , in the formula

$$T = \bar{x}y \quad (14)$$

where T is the aggregate to be computed.

Both $\bar{x}$ and y have a standard error, so the standard error of a product must be computed. Approximate the standard error of an aggregate with the formula

$$S_T = \sqrt{\bar{x}^2 s_y^2 + y^2 s_{\bar{x}}^2} \quad (15)$$

where $s_{\bar{x}}$ is computed using Formula (10) and s_y is computed using Formula (2). In the above formula, the correlation between $\bar{x}$ and y is assumed to be zero. If it is actually positive (negative), then this formula will underestimate (overestimate) the standard error of the product.

Illustration 9

Continuing with Illustration 8a, suppose that the estimate for the total number of every-day smokers was 17,000,000¹⁶ adults and that they smoked an average of 11.64 cigarettes per

¹⁶ Refer to footnote 14 to Illustration 8a.

day. They then would consume approximately 197,900,000 cigarettes per day. Table 18 shows how to use s_y and $s_{\bar{x}}$ from Illustrations 5 and 8a, respectively, and Formula (15) to estimate the standard error and confidence interval.

Table 18. Illustration of Standard Errors of Estimated Aggregates

Average amount of cigarettes smoked per day ($\bar{x}$)	11.64
Standard error ($s_{\bar{x}}$)	0.183
Number of every-day smokers (y)	17,000,000
Standard error (s_y)	399,000
Number of cigarettes consumed (T)	197,900,000
Standard error (s_T)	5,590,000
90-percent confidence interval	188,700,000 to 207,100,000

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use, May 2023.

The aggregate T is calculated as

$$T = 11.64 \times 17,000,000 = 197,900,000$$

and the standard error for T is calculated as

$$s_T = \sqrt{(11.64^2 \times 399,000^2) + (17,000,000^2 \times 0.183^2)} = 5,590,000$$

The 90-percent confidence interval is calculated as $197,900,000 \pm 1.645 \times 5,590,000$.

A conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 90 percent of all possible samples.

Standard Errors of Averages for Daily Amount Smoked by Current Smokers. The formula used to estimate the standard error of the average daily amount smoked by current smokers is

$$s_{\bar{x}} = \sqrt{\left[\frac{P(C_1 - C_2)}{(E + P)^2} \right]^2 s_E^2 + \left[\frac{E(C_1 - C_2)}{(E + P)^2} \right]^2 s_P^2 + \left(\frac{E}{E + P} \right)^2 s_{C_1}^2 + \left(\frac{P}{E + P} \right)^2 s_{C_2}^2} \quad (16)$$

where

E = the estimated population of every-day smokers.

s_E = the standard error of the estimated population of every-day smokers.

P = the estimated population of some-day smokers.

s_p = the standard error of the estimated population of some-day smokers.

C_1 = the average amount an every-day smoker smokes per day.

s_{C_1} = the standard error of the average amount an every-day smoker smokes per day.

C_2 = the average amount a some-day smoker smokes per day.

s_{C_2} = the standard error of the average amount a some-day smoker smokes per day.

Illustration 10

Continuing with Illustrations 8 and 9, suppose there were 17,00,000¹⁷ every-day smokers that smoked an average of 11.64 cigarettes per day. In addition, suppose that 4,436,000¹⁸ some-day smokers smoked an average of 2.11 cigarettes per day. Table 19 shows the distribution of the average number of cigarettes consumed per day by all current smokers.

Table 19. Distribution of the Average Number of Cigarettes Consumed Per Day by All Current Smokers

Cigarettes per day	Percent of smokers*
0.32	3.4
0.73	4.8
1.44	3.1
1.99	2.0
4.13	7.4
5.5	40.6
15.5	32.4
31.5	6.3

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use, May 2023.

* Estimates do not sum to 100 percent due to rounding.

where $\bar{X}$, the average amount smoked by all current smokers, is found using Formula (12) as

$$\bar{x} = (0.034 \times 0.32) + (0.048 \times 0.73) + (0.031 \times 1.44) + (0.020 \times 1.99) + (0.074 \times 4.13) + (0.406 \times 5.5) + (0.324 \times 15.5) + (0.063 \times 31.5) = 9.68$$

¹⁷ Refer to footnote 14 to Illustration 8a.

¹⁸ Refer to footnote 15 to Illustration 8b.

Use the appropriate parameters from Table 22, since this is self-respondent data, s_E and s_P from Illustration 5, and s_{C_1} and s_{C_2} from Illustration 8, and Formula (16) to get

Table 20. Illustration of Standard Errors of Averages for Daily Amount Smoked by Current Smokers

Average amount of cigarettes smoked per day ($\bar{x}$)	9.68
Estimated population of every-day smokers (E)	17,000,000
Standard error (s_E)	399,000
Estimated population of some-day smokers (P)	4,436,000
Standard error (s_P)	209,000
Average amount of cigarettes smoked per day by every-day smokers (C_1)	11.64
Standard error (s_{C_1})	0.183
Average amount of cigarettes smoked per day by some-day smokers (C_2)	2.11
Standard error (s_{C_2})	0.075
Standard error	0.168
90-percent confidence interval	9.40 to 9.96

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use, May 2023.

The standard error for $\bar{x}$ is calculated as

$$s_{\bar{x}} = \left[\left(\frac{4,436,000 (11.64 - 2.11)}{(17,000,000 + 4,436,000)^2} \right)^2 \times 399,000^2 + \left(\frac{17,000,000 (11.64 - 2.11)}{(17,000,000 + 4,436,000)^2} \right)^2 \times 209,000^2 + \left(\frac{17,000,000}{17,000,000 + 4,436,000} \right)^2 \times 0.183^2 + \left(\frac{4,436,000}{17,000,000 + 4,436,000} \right)^2 \times 0.075^2 \right]^{\frac{1}{2}} = 0.168$$

The 90-percent confidence interval is calculated as $9.68 \pm 1.645 \times 0.168$.

A conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 90 percent of all possible samples.

Standard Errors of Quarterly or Yearly Averages. For information on calculating standard errors for labor force data from the CPS which involve quarterly or yearly averages, please reference Bureau of Labor Statistics (2006).

Technical Assistance. If you require assistance or additional information, please contact the Demographic Statistical Methods Division via e-mail at dsmd.source.and.accuracy@census.gov.

**Table 21. Parameters for Computation of Standard Errors for Tobacco Use Characteristics
Using Nonresponse Weights: September 2022, January 2023, and May 2023**

	Total		White Alone		Black Alone		Asian, AIAN, NHOPI ^A		Hispanic ^B	
Characteristic	<i>a</i>	<i>b</i>	<i>a</i>	<i>b</i>	<i>a</i>	<i>b</i>	<i>a</i>	<i>b</i>	<i>a</i>	<i>b</i>
September 2022										
Total	-0.000024	6,274	-0.000027	5,508	-0.000201	6,884	-0.000247	6,594	-0.000154	7,142
Male	-0.000049	6,274	-0.000055	5,508	-0.000487	7,680	-0.000515	6,594	-0.000331	7,666
Female	-0.000044	5,929	-0.000053	5,508	-0.000347	6,394	-0.000474	6,594	-0.000294	6,810
January 2023										
Total	-0.000025	6,607	-0.000028	5,727	-0.000215	7,426	-0.000247	6,784	-0.000158	7,417
Male	-0.000051	6,607	-0.000057	5,727	-0.000506	8,089	-0.000515	6,784	-0.000331	7,792
Female	-0.000044	6,044	-0.000051	5,263	-0.000386	7,151	-0.000477	6,784	-0.000301	7,063
May 2023										
Total	-0.000024	6,402	-0.000027	5,457	-0.000214	7,398	-0.000231	6,400	-0.000155	7,328
Male	-0.000049	6,402	-0.000054	5,457	-0.000491	7,884	-0.000481	6,400	-0.000330	7,850
Female	-0.000044	6,056	-0.000053	5,457	-0.000377	6,994	-0.000446	6,400	-0.000288	6,794
Combined Months: September 2022 and January 2023										
Total	-0.000012	3,291	-0.000014	2,799	-0.000105	3,637	-0.000128	3,520	-0.000077	3,635
Male	-0.000025	3,291	-0.000028	2,799	-0.000250	3,991	-0.000267	3,520	-0.000167	3,928
Female	-0.000023	3,067	-0.000027	2,799	-0.000188	3,483	-0.000247	3,520	-0.000149	3,490
Combined Months: January 2023 and May 2023										
Total	-0.000013	3,361	-0.000014	2,921	-0.000109	3,758	-0.000124	3,434	-0.000078	3,704
Male	-0.000026	3,361	-0.000029	2,921	-0.000254	4,070	-0.000258	3,434	-0.000170	4,029
Female	-0.000023	3,109	-0.000028	2,921	-0.000194	3,595	-0.000239	3,434	-0.000147	3,467
Combined Months: September 2022, January 2023, and May 2023										
Total	-0.000008	2,237	-0.000010	1,996	-0.000070	2,431	-0.000084	2,311	-0.000051	2,416
Male	-0.000017	2,237	-0.000020	1,996	-0.000166	2,664	-0.000174	2,311	-0.000113	2,694
Female	-0.000015	2,067	-0.000019	1,996	-0.000127	2,354	-0.000161	2,311	-0.000098	2,304

Source: U.S. Census Bureau, Current Population Survey, External data from the Tobacco Use Supplement, September 2022, January 2023, and May 2023.

^A AIAN is American Indian and Alaska Native, and NHOPI is Native Hawaiian and Other Pacific Islander.

^B Hispanics may be any race.

Notes: These parameters are to be applied to the Tobacco Use Supplement data. The White, Black, and Asian, AIAN, NHOPI parameters are to be used for both alone and in combination race group estimates. For the group self-classified as having two or more races, use the Asian, AIAN, NHOPI parameters for all characteristics except employment, unemployment, and educational attainment, in which case use Black parameters. A more detailed discussion on the use of parameters for race and ethnicity can be found in the "Generalized Variance Parameters" section.

**Table 22. Parameters for Computation of Standard Errors for Tobacco Use Characteristics
Using Self-response Weights: September 2022, January 2023, and May 2023**

	Total		White Alone		Black Alone		Asian, AIAN, NHOPI ^A		Hispanic ^B	
Characteristic	<i>a</i>	<i>b</i>	<i>a</i>	<i>b</i>	<i>a</i>	<i>b</i>	<i>a</i>	<i>b</i>	<i>a</i>	<i>b</i>
September 2022										
Total	-0.000034	8,887	-0.000038	7,685	-0.000272	9,303	-0.000364	9,730	-0.000235	10,879
Male	-0.000071	9,104	-0.000077	7,685	-0.000679	10,706	-0.000760	9,730	-0.000527	12,229
Female	-0.000061	8,201	-0.000074	7,685	-0.000443	8,167	-0.000699	9,730	-0.000424	9,839
January 2023										
Total	-0.000037	9,816	-0.000041	8,408	-0.000296	10,210	-0.000401	10,995	-0.000249	11,701
Male	-0.000078	10,182	-0.000083	8,408	-0.000722	11,534	-0.000834	10,995	-0.000544	12,836
Female	-0.000067	9,051	-0.000074	7,615	-0.000503	9,314	-0.000773	10,995	-0.000463	10,849
May 2023										
Total	-0.000038	10,017	-0.000042	8,502	-0.000323	11,194	-0.000387	10,713	-0.000255	12,073
Male	-0.000080	10,459	-0.000084	8,502	-0.000759	12,180	-0.000805	10,713	-0.000579	13,768
Female	-0.000067	9,176	-0.000082	8,502	-0.000539	10,005	-0.000673	9,671	-0.000432	10,198
Combined Months: September 2022 and January 2023										
Total	-0.000018	4,822	-0.000020	4,115	-0.000145	5,014	-0.000193	5,299	-0.000121	5,686
Male	-0.000038	4,941	-0.000041	4,115	-0.000358	5,722	-0.000402	5,299	-0.000272	6,409
Female	-0.000033	4,437	-0.000037	3,857	-0.000247	4,570	-0.000372	5,299	-0.000220	5,164
Combined Months: January 2023 and May 2023										
Total	-0.000019	5,182	-0.000022	4,399	-0.000159	5,488	-0.000201	5,551	-0.000128	6,074
Male	-0.000041	5,381	-0.000044	4,399	-0.000377	6,053	-0.000417	5,551	-0.000295	7,016
Female	-0.000035	4,705	-0.000040	4,132	-0.000260	4,833	-0.000387	5,551	-0.000222	5,237
Combined Months: September 2022, January 2023, and May 2023										
Total	-0.000013	3,371	-0.000014	2,890	-0.000100	3,473	-0.000133	3,670	-0.000083	3,939
Male	-0.000027	3,466	-0.000029	2,890	-0.000241	3,859	-0.000276	3,670	-0.000194	4,606
Female	-0.000023	3,083	-0.000028	2,890	-0.000167	3,105	-0.000256	3,670	-0.000146	3,455

Source: U.S. Census Bureau, Current Population Survey, External data from the Tobacco Use Supplement, September 2022, January 2023, and May 2023.

^A AIAN is American Indian and Alaska Native, and NHOPI is Native Hawaiian and Other Pacific Islander.

^B Hispanics may be any race.

Notes: These parameters are to be applied to the Tobacco Use Supplement data. The White, Black, and Asian, AIAN, NHOPI parameters are to be used for both alone and in combination race group estimates. For the group self-classified as having two or more races, use the Asian, AIAN, NHOPI parameters for all characteristics except employment, unemployment, and educational attainment, in which case use Black parameters. A more detailed discussion on the use of parameters for race and ethnicity can be found in the "Generalized Variance Parameters" section.

Table 23. Factors and Populations for State Standard Errors and Parameters: September 2022, January 2023, and May 2023

State	Factor	September 2022 Population	January 2023 Population	May 2023 Population	State	Factor	September 2022 Population	January 2023 Population	May 2023 Population
Alabama	1.13	4,995,670	5,010,821	5,019,050	Montana	0.22	1,113,737	1,116,445	1,122,453
Alaska	0.18	707,030	704,454	704,481	Nebraska	0.51	1,942,536	1,944,760	1,946,626
Arizona	1.16	7,313,176	7,310,453	7,340,562	Nevada	0.72	3,148,827	3,161,783	3,173,450
Arkansas	0.73	3,001,235	3,006,512	3,013,556	New Hampshire	0.35	1,390,678	1,385,650	1,388,642
California	1.16	38,501,422	38,516,592	38,454,177	New Jersey	1.15	9,168,626	9,182,560	9,182,716
Colorado	1.17	5,760,754	5,768,095	5,777,136	New Mexico	0.44	2,082,079	2,079,636	2,079,189
Connecticut	0.88	3,574,242	3,589,448	3,590,858	New York	1.19	19,290,232	19,418,283	19,364,623
Delaware	0.23	1,004,781	1,013,477	1,018,357	North Carolina	1.18	10,484,416	10,570,640	10,618,683
District of Columbia	0.18	639,887	665,561	666,865	North Dakota	0.18	756,167	763,015	763,425
Florida	1.12	21,787,388	22,170,946	22,318,513	Ohio	1.15	11,631,225	11,600,606	11,598,316
Georgia	1.16	10,712,764	10,788,905	10,828,877	Oklahoma	1.07	3,949,082	3,956,635	3,967,898
Hawaii	0.33	1,379,846	1,387,828	1,385,880	Oregon	1.06	4,222,719	4,198,378	4,194,435
Idaho	0.40	1,947,502	1,934,112	1,946,454	Pennsylvania	1.16	12,770,204	12,792,350	12,783,412
Illinois	1.16	12,388,466	12,380,742	12,350,133	Rhode Island	0.28	1,082,059	1,078,033	1,077,454
Indiana	1.14	6,751,426	6,758,657	6,767,694	South Carolina	1.12	5,187,295	5,242,774	5,274,227
Iowa	0.78	3,166,580	3,162,270	3,164,139	South Dakota	0.23	889,937	898,677	903,561
Kansas	0.81	2,879,161	2,879,436	2,880,114	Tennessee	1.14	6,952,361	7,002,634	7,032,129
Kentucky	1.16	4,445,418	4,433,821	4,436,645	Texas	1.17	29,488,423	29,830,418	29,998,677
Louisiana	1.06	4,518,376	4,487,050	4,477,856	Utah	0.51	3,383,714	3,380,609	3,394,949
Maine	0.42	1,373,266	1,375,248	1,378,442	Vermont	0.20	645,133	642,630	642,853
Maryland	1.19	6,072,456	6,077,301	6,075,696	Virginia	1.19	8,477,241	8,510,125	8,521,414
Massachusetts	1.13	6,887,695	6,923,558	6,922,022	Washington	1.17	7,669,796	7,708,804	7,721,518
Michigan	1.15	9,954,470	9,934,893	9,931,623	West Virginia	0.50	1,754,741	1,741,291	1,738,875
Minnesota	1.16	5,665,235	5,667,603	5,669,904	Wisconsin	1.16	5,845,525	5,841,772	5,844,040
Mississippi	0.71	2,886,796	2,873,846	2,871,924	Wyoming	0.16	572,927	573,642	574,490
Missouri	1.18	6,103,649	6,096,365	6,101,877					

Source: U.S. Census Bureau, Population Estimates Program, September 2022, January 2023, and May 2023.

Notes: The state population counts in this table are for the 0+ population for September 2022, January 2023, and May 2023. For foreign-born and noncitizen characteristics for Total and White, the a- and b-parameters should be multiplied by 1.3. No adjustment is necessary for foreign-born and noncitizen characteristics for Black, Asian, AIAN, NHOPI, and Hispanic parameters.

**Table 24. Factors and Populations for Regional Standard Errors and Parameters:
September 2022, January 2023, and May 2023**

Region	Factor	September 2022 Population	January 2023 Population	May 2023 Population
Northeast	1.08	56,182,135	56,387,760	56,331,022
Midwest	1.09	67,974,377	67,928,796	67,921,452
South	1.11	126,358,330	127,382,757	127,879,242
West	1.03	77,803,529	77,840,831	77,869,174

Source: U.S. Census Bureau, Population Estimates Program, September 2022, January 2023, and May 2023.

Notes: The state population counts in this table are for the 0+ population for September 2022, January 2023, and May 2023. For foreign-born and noncitizen characteristics for Total and White, the a- and b-parameters should be multiplied by 1.3. No adjustment is necessary for foreign-born and noncitizen characteristics for Black, Asian, AIAN, NHOPI, and Hispanic parameters.

REFERENCES

- Brooks, C.A., & Bailar, B.A. (1978). *Statistical Policy Working Paper 3 - An Error Profile: Employment as Measured by the Current Population Survey*. Subcommittee on Nonsampling Errors, Federal Committee on Statistical Methodology, U.S. Department of Commerce, Washington, DC.
<https://s3.amazonaws.com/sitesusa/wp-content/uploads/sites/242/2014/04/spwp3.pdf>
- Bureau of Labor Statistics. (2006). *Household Data ("A" tables, monthly; "D" tables, quarterly)*. https://www.bls.gov/cps/eetech_methods.pdf
- Bureau of Labor Statistics. (2014). *Redesign of the Sample for the Current Population Survey*. http://www.bls.gov/cps/sample_redesign_2014.pdf
- Bureau of Labor Statistics. (2022). *Labor Force Statistics from the Current Population Survey*. <https://www.bls.gov/cps/documentation.htm#reliability>
- U.S. Census Bureau. (2012). *Estimating Current Population Survey (CPS) Person Level Supplement Variances Using Replicate Weights Part I: Instructions for Using CPS Person Level Supplement Replicate Weights to Calculate Variances*.
[https://www2.census.gov/programs-surveys/cps/datasets/2018/supp/PERSON-level Use of the Public Use Replicate Weight File.doc](https://www2.census.gov/programs-surveys/cps/datasets/2018/supp/PERSON-level%20Use%20of%20the%20Public%20Use%20Replicate%20Weight%20File.doc)
- U.S. Census Bureau. (2018). *Estimating Current Population Survey (CPS) Household-level Supplement Variances Using Replicate Weights Part I: Instructions for Using CPS Household-level Supplement Replicate Weights to Calculate Variances*.
[https://www2.census.gov/programs-surveys/cps/datasets/2018/supp/HH-level Use of the Public Use Replicate Weight File.doc](https://www2.census.gov/programs-surveys/cps/datasets/2018/supp/HH-level%20Use%20of%20the%20Public%20Use%20Replicate%20Weight%20File.doc)
- U.S. Census Bureau. (2019). *Current Population Survey: Design and Methodology*. Technical Paper 77. Washington, DC: Government Printing Office.
<https://www2.census.gov/programs-surveys/cps/methodology/CPS-Tech-Paper-77.pdf>
- U.S. Census Bureau. (2021). *METHODOLOGY FOR THE UNITED STATES POPULATION ESTIMATES: VINTAGE 2021 Nation, States, Counties, and Puerto Rico – April 1, 2020, to July 1, 2021*. <https://www2.census.gov/programs-surveys/popest/technical-documentation/methodology/2020-2021/methods-statement-v2021.pdf>

All online references accessed October 11, 2024.

ATTACHMENT 17

USER NOTES

This section will contain information relevant to the *Current Population Survey, January 2023: Tobacco Use Supplement File* that becomes available after the file is released.