

Version 1

The 2012 ACS 1-Year Summary File Technical Documentation

American Community Survey
Population and Housing Characteristics



United States[™]
Census
Bureau

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1 Introduction

1.1 The American Community Survey

The American Community Survey (ACS) is a household survey conducted by the U.S. Census Bureau that currently has an annual sample size of about 3.5 million addresses. When used in conjunction with the most recently available decennial census counts, information from the ACS documents how we live as a nation, including our education, housing, jobs, and many other issues. Information from the survey generates statistics that help determine how more than \$450 billion in federal funds are distributed annually, to help decision making for states, localities, tribal governments, and business. Each year the survey produces statistics that cover the periods of 1-year, 3-year, and 5-years geographic areas in the United States and Puerto Rico, ranging from neighborhoods to Congressional districts to the entire nation. For more information about the ACS, please visit our home page, www.census.gov/acs. ACS tables are published on the Census Bureau's American FactFinder (AFF) website, factfinder2.census.gov, and are available for download in several forms. This document will brief data users on the contents of the ACS Summary File and explain how they can use it to obtain the 1-year estimates.

1.2 The American Community Survey Summary File

The American Community Survey Summary File (ACSSF) is a unique data product that includes all the estimates and margins of error from the Detailed Tables and geographies that are published for the ACS. Other ACS data products such as Subject Tables and Data Profiles are created from the Detailed Tables and are therefore not available in the Summary File.

Since the Detailed Tables contain a large number of cells, the tables are stored in a series of files with only the data from the tables; the title of the tables, the description of the rows, and the names of the geographic areas are not included. That information appears in other files that the user must merge with the data files to reproduce the tables.

The ACS Summary File data files are in American Standard Code for Information Interchange (ASCII) format. The files are divided into three types:

- Geographies – (position based and comma delimited)
- Estimates – (comma delimited)
- Margins of Error – (comma delimited)

[Chapter 2](#) discusses each component in detail and explains how to put them all together.

1.3 Topics and Geographies Covered

Data contained in the ACS Summary File cover demographic, social, economic, and housing subject areas. All Detailed Tables for the ACS 1-year estimates are in the Summary File and are listed in [Appendix E](#).

The published ACS Summary File geographies cover areas that are based on “summary levels.” A summary level specifies the content and the hierarchical relationships of the geographic elements that are required to tabulate and summarize data. For example, summary level code “040” represents the U.S., states, Washington D.C., and Puerto Rico; while summary level code “050” represents counties and county equivalents within states.

In addition to the summary level concept, the ACS 1-year estimates are published for areas that have passed the required 65,000 population threshold.

Many resources are available to help users understand the ACS geographic terms and concepts. For additional information, please visit <http://www.census.gov/geo/reference/index.html> and http://www.census.gov/acs/www/guidance_for_data_users/geography/. Users may also find the full list of summary levels published for the 1-year Detailed Tables in [Appendix F](#).

1.4 Tools for Obtaining Data

Since using the ACS Summary File can be challenging, users should first check if their tables of interest are available for download on American FactFinder. Below are some other options to help users retrieve the tables they want. They are listed in order based on ease of use.

- Summary File Excel Retrieval Tool

The Summary File Excel Retrieval Tool is a macro-driven Excel spreadsheet that provides a method to easily retrieve a table for the nation, states, and all of the geographic areas in a state (or for all cross-state geographic areas such as metropolitan statistical areas or census regions). This tool is designed to be easy to use, and does not require any programming experience. There is a drop down menu from which the user can select the state for the table and receive data for all geographies within the state. One key requirement is that Microsoft Excel 2007 or later is needed. Other hardware and software requirements for the tool are listed in [Chapter 3.1](#). For more information about the application, visit the ACS Summary File page at www.census.gov/acs/www/data_documentation/summary_file/.

- Summary File Excel Import Tool

The Summary File Excel Import Tool is a replicate of the Excel templates that Census 2000 provided for the SF3 summary file release. The Excel Import Tool provides a basic layout of each sequence in Excel in the same format as the estimate and margin of error files are formatted. For individuals that do not have Excel 2007 or later and are unable to

use the Excel Retrieval Tool, the Excel Import Tool provides an alternative option to read the summary file into Excel. For more information on this tool, see [Chapter 3.3](#).

- **SAS Programs**

There are two programming options for SAS users. The first option is a set of individual SAS programs, one for each summary file by geography and sequence. These programs are best for users only interested in looking at a specific sequence for a specific geography. The second option is a single SAS program that is parameterized to allow users to read in any sequence for any geography into SAS. This program can also be used to read the entire summary file into SAS, and is designed for users looking for a large amount of data. For more information on these programs, see [Chapter 3.1](#).

1.5 Contact Us

Please send any technical questions or comments on the ACS Summary File you have via email to: acso.users.support@census.gov. If you have questions or comments about the American Community Survey, you can submit a question online at ask.census.gov/.

2 How to Use the ACS Summary File

2.1 Locating the Summary File

The 2012 ACS 1-year Summary File is accessible from the American Community Survey home page. From the ACS home page, www.census.gov/acs, click on the **Data and Documentation** tab, select the option for **Summary File**, as shown below:

The screenshot shows the American Community Survey website interface. At the top, there is a navigation bar with the following links: People, Business, Geography, Data, Research, and Newsroom. Below this, the main navigation menu includes: Main, About the Survey, Guidance for Data Users, Data & Documentation, Methodology, and Library. The 'Data & Documentation' menu is expanded, showing a list of options: Data Releases, Data Product Descriptions, Documentation, Geography, Downloadable data via FTP, Summary File (highlighted with a white arrow), Public Use Microdata Sample (PUMS), and Custom Tabulations. The 'Summary File' option is the target of the instruction.

Below the navigation menu, the page content is organized into several sections:

- Question Corner for Survey Respondents:** A section titled "Why do you need to know how much money I make?" with a link to "More" and navigation buttons for "Prev" and "Next".
- What is the American Community Survey?:** A section featuring an American flag graphic and a text block explaining that the ACS is an ongoing statistical survey that samples a small percentage of the population every year, providing information for planning investments and services. A "Learn more" link is provided.
- American Community Survey: Measuring the dynamic changes in America:** A section with a quote: "The American Community Survey shows us WHO we are and HOW we are changing... The ACS is the only source for local comparable data." A note indicates "Adobe Flash content requires the Flash Player."
- How do I get started using ACS data?:** A section with a map graphic and text providing tips about the data, including finding information about geography, comparison guidance, and user-specific handbooks. A "Learn more" link is provided.
- Current Data Profiles:** A section with a search bar and a dropdown menu set to "United States" with a "Go" button.
- Data by Topic:** A section titled "People" with a list of topics: Age and Sex / Aging, Ancestry, Disability, Commuting to Work, Education, Employment, Family/Relationships, Income and Earnings, Language, Origins, and Population Change.

That will take you to the ACS Summary File page. Click on **2012 ACS 1-Year Summary File** to go to the ACS Summary File ftp site:

The screenshot shows the United States Census Bureau website. The top navigation bar includes links for Home, About Us, Subjects A to Z, FAQs, and Help. Below this is a secondary navigation bar with categories: People, Business, Geography, Data, Research, and Newsroom. A search bar is also present. The main content area is titled 'American Community Survey' and 'Data & Documentation: Summary File'. A sidebar on the left lists various data products, with 'Summary File' highlighted. The main content area features a table with columns for years from 2012 to 2005. Under the 2012 column, there is a section titled 'Summary File Data and Documentation' with three columns: '2012 ACS 1-Year Estimates', '2010-2012 ACS 3-Year Estimates', and '2008-2012 ACS 5-Year Estimates'. Under '2012 ACS 1-Year Estimates', there are links for '1-Year Summary File', '1-Year Tech Document [PDF 3.4MB]', '1-Year TableShells [XLS 45MB]', '1-Year Sequence/Table Number Lookup (xls, sas7bdat, or txt)', and '1-Year Sequence/Table Number Lookup (xls, sas7bdat, or txt)'. A white arrow points to the '1-Year Summary File' link.

The screenshot shows an FTP directory listing with the following columns: Name, Last modified, Size, and Description. The listing includes a 'Parent Directory' link and several folders and files:

Name	Last modified	Size	Description
Parent Directory		-	
2011 ACSSF All In 1 Giant File(Experienced-Users-Only)/	15-Aug-2012 15:46	-	
2011 ACSSF By State All Tables/	15-Aug-2012 15:42	-	
2011 ACSSF By State By Sequence Table Subset/	15-Aug-2012 15:46	-	
ACS2011_1-Year_TableShells.xls	11-Sep-2012 08:44	3.5M	
ACS_2011_SF_Tech_Doc.pdf	12-Sep-2012 16:52	2.6M	
SequenceNumberTableNumberLookup.sas7bdat	22-Aug-2012 11:46	13M	
Sequence Number and Table Number Lookup.txt	22-Aug-2012 12:39	2.7M	
Sequence Number and Table Number Lookup.xls	22-Aug-2012 12:15	3.6M	
UserTools/	18-Sep-2012 13:23	-	

This is the ACS Summary File—it is actually comprised of three folders that are explained the next chapter.

2.2 Summary File Organization

The Summary File is organized in three folders as shown in the above screenshot. These three directories contain the same combination of files; they are simply arranged differently to accommodate various user needs:

- 2012_ACSSF_All_In_1_Giant_File(Experienced-Users Only)

The “All in 1 Giant File” directory contains a zipped file, which includes geography, estimate, and margin of error files. This zipped file is ideal to download if users want estimates and margins of error for all geographies throughout the nation at once. The file is very large and should only be used by those that can easily process a very large file. For a graphical representation of this folder and its contents, see [Appendix B.1](#).

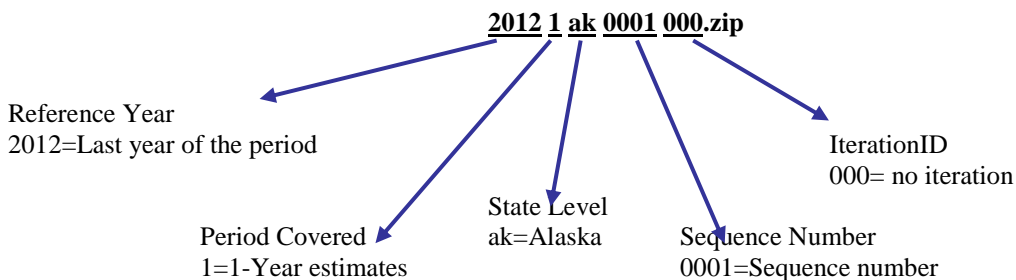
- 2012_ACSSF_By_State_All_Tables

The “By State All Tables” directory contains zipped files for each state or state level equivalent--each of the 50 states, District of Columbia, Puerto Rico, as well as cross-state geographies such as metropolitan areas. Each zipped file contains a geography file and multiple estimate and margin of error files. Downloading from these state level folders is ideal if users want all the tables for a state level geography or cross-state geographies. For a graphical representation of this folder and its contents, see [Appendix B.2](#).

- 2012_ACSSF_By_State_By_Sequence_Table_Subset

The “By State By Sequence Table Subset” directory contains folders for each state or state level equivalent--each of the 50 states, District of Columbia, Puerto Rico, as well as cross-state geographies such as metropolitan areas. Within those folders are a geography file and zipped files containing the estimate and margin of error files, one per “sequence” (sequences are explained in [Chapter 2.3](#)). Downloading from these folders is ideal if users only want a few tables for a state level geography or cross-state geographies. For a graphical representation of this folder and its contents, see [Appendix B.3](#).

The naming convention used for the zipped files in this directory is the following:



File Name: 20121ak0001000.zip		
Example	Name	Range or Type
2012	Reference Year	ACS data year (last year of the period for multiyear periods)
1	Period Covered	1=1-year, 3=3-year, 5=5-year

ak	State Level	US or abbreviations for state, District of Columbia, and Puerto Rico
0001	Sequence Number	0001 to 9999
000	Place Holder	Iteration value for future use

Note: Iteration ID is always “000” for the standard 1-Year, 3-Year, and 5-Year products.

As [Appendix B](#) shows, the “All in 1 Giant File” and the “By State All Tables” folders contain the same tables as the “By State By Sequence Table Subset” folder. The difference is in the organization. The “By State All Tables” zipped files contain all of the sequence files for the given state, so each zipped file contains 354 files. The “All in 1 Giant File” zipped file contain all sequence files for all states, which is thousands of files.

As mentioned earlier, the zipped files are divided by state or state-level equivalents. Those state-level equivalents include the District of Columbia and Puerto Rico. There is also a level called “United States,” which is for summary levels that can cross state boundaries, such as the Nation, and all Regions, Divisions, Metropolitan Statistical Areas and Tribal Reservations. The United States level does not contain tables for geographies that are always entirely within a state, such as counties and places; for those tables, go to the folder or files for that state.

The following is a table that gives examples of the types of summary levels are in the state and state-level equivalent folders and files and those that are in the United States folders and files.

Each State, DC, and Puerto Rico	United States
State	United States
County	Region
County subdivision	Division
Place	Metropolitan or urban statistical areas
Congressional districts (110th Congress)	New England City and Town Area (NECTA)
Public Use Microdata Area (PUMA)	American Indian/Alaska Native/Hawaiian Home Land areas
School Districts	Urban areas
Alaska Native Regional Corporation	

2.3 Sequence Numbers

Detailed Tables for similar subject areas are grouped together in “sequences”. A sequence number is an assigned number to a grouping of ACS tables. Table sequencing now follows these new rules:

1) Tables are sorted numerically by the "root" of their Table ID, where the "root" is defined as the numeric section after the first letter and before any additional letters, so for example the root of B06004APR is "06004". For tables with the same root, additionally sort them in the following order:

- Non-iterated, non-collapsed, non-PR version
- Iterated, non-collapsed, non-PR versions
- Non-iterated, collapsed, non-PR version
- Iterated, collapsed, non-PR version
- Non-iterated, non-collapsed, PR version
- Iterated, non-collapsed, PR versions

Non-iterated, collapsed, PR version

Iterated, collapsed, PR version

2) With tables sorted in this order, start with the first table and assign it to the first sequence. For each subsequent table, if the table has either a new "subject", a new "geography type", or would cause the number of cells in the sequence to exceed 245, then start a new sequence. "Subject" is described using the second and third characters in the Table ID, so for example the subject of B06004APR is "06". "Geography type" can be one of three things: Place of Residence geography type, Place of Work geography type, or Residence 1 Year Ago geography type see [Appendix E](#).

3) If a table does not fit in one sequence, then put the first 245 cells of it in one sequence, and the rest in the next. If a table does not fit in two sequences, then put the first 245 cells of it in one sequence, the next 245 cells of it in the next sequence, and the rest in a third sequence.

The rules governing how many tables can be assigned the same sequence number depend on the following:

- There are no more than 256 columns per sequence, so the data can be read into a spreadsheet.
- There are 178 sequences for the 2012 ACS 1-year Summary File.
- Tables are grouped numerically by the "root" of their Table ID, (i.e., Table B00001 is in sequence file 0001).
- The sequencing algorithm groups' tables sequentially by TBLID, which means that tables with race iterations are often grouped in the same sequence, but this is not always the case.

It is critical to know the sequence number associated with a Detailed Table (Table ID) for two reasons. First, one needs it in order to access the correct estimates and margins of error files for the desired table. Second, the field start position for the estimates or margins of error of a certain Detailed Table depends on its sequence number.

The Sequence Number and Detailed Table Number Lookup file, available as an Excel spreadsheet, text file, and SAS dataset, lists Table IDs associated with each sequence number. This spreadsheet, formerly known as "merge_5_6", is available at www2.census.gov/acs2012_1yr/summaryfile/. The name of the Excel spreadsheet is "Sequence_Number_and_Table_Number_Lookup.xls," the text file is called "Sequence_Number_and_Table_Number_Lookup.txt," and the SAS dataset is called "SequenceNumberTableNumberLookup.sas7bdat."

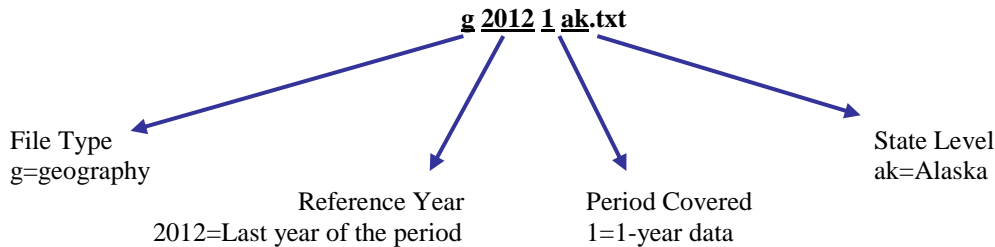
For example, to find the sequence number associated with the table B08406, a user must open and look for that Table ID in the Sequence Number and Table Number Lookup file. Shown below is a screenshot of this file opened to where the "tblid" is B08406. The next column in the file, "seq", shows that this Table ID is associated with the sequence number "0043". In order to access the estimate and margin of error file for Table B08406, a user will need to download the estimate and margin of error files labeled with the sequence number "0043".

	A	B	C	D	E	F	G	H	I
8515	ACSSF	B08406	0043			7	51 CELLS	SEX OF WORKERS BY MEANS OF TRANSPORTATION TO WORK FOR WORKPLACE GEOGRAPHY	Journey to Work
8516	ACSSF	B08406	0043					Universe: Workers 16 years and over	
8517	ACSSF	B08406	0043	1				Total:	
8518	ACSSF	B08406	0043	2				Car, truck, or van:	
8519	ACSSF	B08406	0043	3				Drove alone	
8520	ACSSF	B08406	0043	4				Carpooled:	
8521	ACSSF	B08406	0043	5				In 2-person carpool	
8522	ACSSF	B08406	0043	6				In 3-person carpool	
8523	ACSSF	B08406	0043	7				In 4-or-more-person carpool	
8524	ACSSF	B08406	0043	8				Public transportation (excluding taxicab):	
8525	ACSSF	B08406	0043	9				Bus or trolley bus	
8526	ACSSF	B08406	0043	10				Streetcar or trolley car (carro publico in Puerto Rico)	
8527	ACSSF	B08406	0043	11				Subway or elevated	
8528	ACSSF	B08406	0043	12				Railroad	
8529	ACSSF	B08406	0043	13				Ferryboat	
8530	ACSSF	B08406	0043	14				Bicycle	
8531	ACSSF	B08406	0043	15				Walked	
8532	ACSSF	B08406	0043	16				Taxicab, motorcycle, or other means	
8533	ACSSF	B08406	0043	17				Worked at home	

2.4 Geography File

There is a geography file that comes with the estimate and margin of error files. This file begins with a “g” and is an ASCII file using either a position based format or comma delimited format. A geography file exists for each state or state level equivalent.

Geography files are named using the following convention:



File Name: g20121ak.txt		
Example	Name	Range or Type
g	File Type	g=geography
2012	Reference Year	ACS data year (last year of the period for multiyear periods)
1	Period Covered	1=1-year, 3=3-year, 5=5-year
ak	State Level	US or abbreviations for state, District of Columbia, and Puerto Rico

The geography files contain geographic information for an ACS tabulated area, including the name of the area. One variable on the file, called LOGRECNO, is the logical record number and is used to link the level of geography to the estimate and margin of error files. An example of how to use LOGRECNO is discussed in [Chapter 2.5](#).

The following table provides the layout of the geography file:

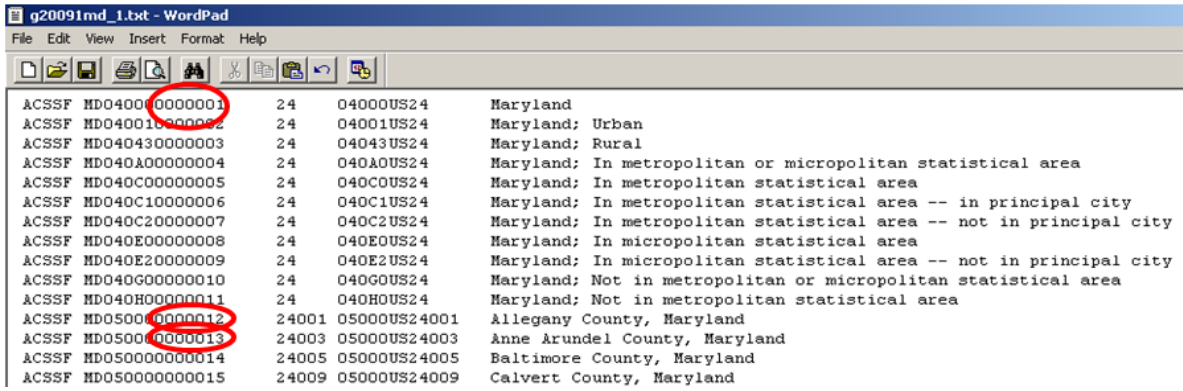
Variable Name	Description	Field Size	Starting Position	Geographic Summary Levels For 1-Year Tables
RECORD CODES				
FILEID	Always equal to ACS Summary File identification	6	1	All Summary Levels
STUSAB	State Postal Abbreviation	2	7	All Summary Levels
SUMLEVEL	Summary Level	3	9	All Summary Levels
COMPONENT	Geographic Component	2	12	All Summary Levels
LOGRECNO	Logical Record Number	7	14	All Summary Levels
GEOGRAPHIC AREA CODES				
US	US	1	21	010
REGION	Census Region	1	22	020
DIVISION	Census Division	1	23	030
STATECE	State (Census Code)	2	24	Blank for all summary levels
STATE	State (FIPS Code)	2	26	040, 050, 060, 160, 230, 312, 352, 500, 795, 950, 960, 970
COUNTY	County of current residence	3	28	050, 060
COUSUB	County Subdivision (FIPS)	5	31	060
PLACE	Place (FIPS Code)	5	36	160, 312, 352
TRACT	Census Tract	6	41	Not applicable for this release
BLKGRP	Block Group	1	47	Not applicable for this release
CONCIT	Consolidated City	5	48	Not applicable for this release
AIANHH	American Indian Area/Alaska Native Area/ Hawaiian Home Land (Census)	4	53	250
AIANHHFP	American Indian Area/Alaska Native Area/ Hawaiian Home Land (FIPS)	5	57	Not applicable for this release
AIHHTLI	American Indian Trust Land/ Hawaiian Home Land Indicator	1	62	Not applicable for this release
AITSC	American Indian Tribal Subdivision (Census)	3	63	Not applicable for this release
AITSF	American Indian Tribal Subdivision (FIPS)	5	66	Not applicable for this release
ANRC	Alaska Native Regional Corporation (FIPS)	5	71	230
CBSA	Metropolitan and Micropolitan Statistical Area	5	76	310, 312, 314
CSA	Combined Statistical Area	3	81	330
METDIV	Metropolitan Statistical Area-Metropolitan Division	5	84	314
MACC	Metropolitan Area Central City	1	89	Blank for all summary levels
MEMI	Metropolitan/Micropolitan Indicator Flag	1	90	010, 020, 030, 040, 314
NECTA	New England City and Town Area	5	91	335, 350, 352
CNECTA	New England City and Town Combined Statistical Area	3	96	335
NECTADIV	New England City and Town Area Division	5	99	355
UA	Urban Area	5	104	400
BLANK		5	109	Reserved for future use
CDCURR	Current Congressional District ***	2	114	500
SLDU	State Legislative District Upper	3	116	Not applicable for the release
SLDL	State Legislative District Lower	3	119	Not applicable for the release

BLANK		6	122	Reserved for future use
BLANK		3	128	Reserved for future use
ZCTA5	5-digit ZIP Code Tabulation Area	5	131	Not applicable for the release
SUBMCD	Subminor Civil Division (FIPS)	5	136	Not applicable for the release
SDELM	State-School District (Elementary)	5	141	950
SDSEC	State-School District (Secondary)	5	146	960
SDUNI	State-School District (Unified)	5	151	970
UR	Urban/Rural	1	156	010, 020, 030, 040
PCI	Principal City Indicator	1	157	010, 020, 030, 040, 312, 352
BLANK		6	158	Reserved for future use
BLANK		5	164	Reserved for future use
PUMA5	Public Use Microdata Area – 5% File	5	169	795
BLANK		5	174	Reserved for future use
GEOID	Geographic Identifier	40	179	All Summary Levels
NAME	Area Name	1000	219	All Summary Levels
BTTR	Tribal Tract	6	1219	Not applicable for the release
BTBG	Tribal Block Group	1	1225	Not applicable for the release
BLANK		43	1226	Reserved for future use

This year, we created an Excel template for the geography file named “2012_SFGeoFileTemplate.xls”. The template provides users with two rows containing the variable names and their descriptions (as displayed in the above table) for each column in the geography file. It is meant to be used with the comma delimited version of the geography file. The template is available at http://www2.census.gov/acs2012_1yr/summaryfile/UserTools/ in the zipped “2012_SummaryFileTemplates” folder. Here is a screenshot of the Excel file:

1	FILEID	STUSAB	SUMLEVEL	COMPONENT	LOGRECNO	US	REGION	DIVISION	STATECE	STATE	COUNTY	COUSUB	PLACE	TRA
2	Always equal to ACS Summary File identification	State Postal Abbreviation	Summary Level	Geographic Component	Logical Record Number	US	Census Region	Census Division	State (Census Code)	State (FIPS Code)	County of current residence	County Subdivision (FIPS)	Place (FIPS Code)	Cer Tra
3														
4														
5														
6														
7														

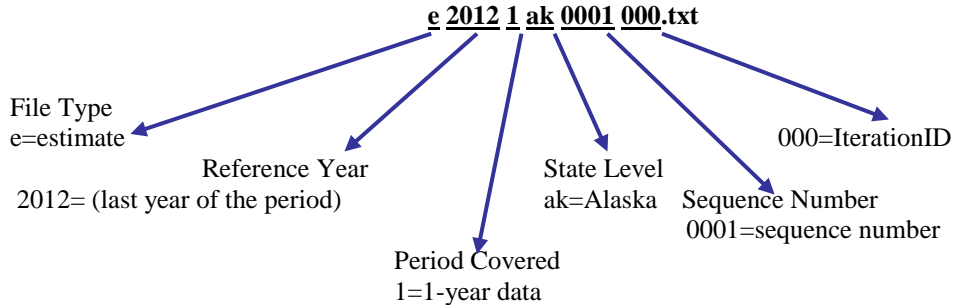
Each state, the District of Columbia, Puerto Rico and the set of cross-state geographies, have one geography file associated with them regardless of how the Summary File is accessed. For example, the following screenshot shows the beginning of the state geography file for Maryland. In the screenshot, the logical record numbers corresponding with the state of Maryland, Allegany County, and Anne Arundel County are circled. The logical record number for the state of Maryland is “0000001”, for Allegany County it is “0000012”, and for Anne Arundel County it is “0000013”.



Excess spaces in the pictured geography file have been removed for illustrative purposes.

2.5 Estimate and Margin of Error Files

Each of the three Summary File directories include zipped files containing estimate files (file names beginning with an “e”) and margins of error files (file names beginning with an “m”). The estimate files contain published ACS estimates and the margin of error files contain published ACS margins of error for their respective estimates. Here is the naming convention used for those files:



File Name: e20121ak0003000.txt		
Example	Name	Range or Type
e	File Type	e=estimate, m=margin of error
2012	Reference Year	ACS data year (last year of the period for multiyear periods)
1	Period Covered	1=1-year, 3=3-year, 5=5-year
ak	State Level	US or abbreviations for state, District of Columbia and Puerto Rico
0003	Sequence Number	0001 to 9999
000	Reserved for future use	Iteration value for future use

The estimates and margins of error for Detailed Tables are grouped together in by sequence numbers, as discussed in [Chapter 2.3](#). There is an estimate and margin of error file for each sequence number.

The format of the estimate and margin of error files are identical; they are strings of comma-delimited ASCII text. Each row represents a different geographic area and the first six fields

contain metadata such as the geographic area and the sequence number. Following those fields are the estimates or margins of error for the Detailed Tables. Starting and ending positions of the fields associated with each Detailed Table can be found using the Sequence Number and Table Number Lookup file, which is discussed in [Chapter 2.3](#). The estimates or margins of error for one Detailed Table span several fields within a row.

Here is the record layout of the estimates and the margin of error files:

Field Name	Description	Field Size
FILEID	File Identification	6 Characters
FILETYPE	File Type	6 Characters
STUSAB	State/U.S.-Abbreviation (USPS)	2 Characters
CHARITER	Character Iteration	3 Characters
SEQUENCE	Sequence Number	4 Characters
LOGRECNO	Logical Record Number	7 Characters
Field # 7 and up	Estimates	Various

Going back to the example from [Chapter 2.3](#), we know that table B08406 corresponds to sequence “0003”. Additionally, the Sequence Number and Table Number Lookup file (as shown earlier) tells us that table B08406 begins at position seven and contains 51 cells.

In order to get estimates for Maryland; Allegany County, MD; and Anne Arundel County, MD one must recall the logical record numbers associated with each geography. In [Chapter 2.4](#), we identified these to be “0000001”, “0000012”, and “0000013”, respectively. The logical record number, LOGRECNO, must be used to merge the geography information to the estimate and margin of error files.

The example below shows the estimate file for sequence “0003” and all geographies except census tracts and block groups for the state of Maryland using the 2009 ACS 1-year Summary File. For the 2010 ACS 1-year Summary File, the dots “.” in the below screenshot will be replaced by empty cells as documented in [Appendix C.3](#). Note that each row has a uniquely assigned logical record number, called LOGRECNO, which links the estimate to a specific geographic area. The pictured example has the logical record numbers corresponding to Maryland, Allegany County, and Anne Arundel County circled. Estimates for table B08406 at these geographic levels can be found within their respective rows at field seven and continuing for 50 additional fields.

```

ACSSF, 2009e1, md, 000, 0003, 0000001, 2587044, 2229066, 1969240, 259826, 200758, 38991, 20077, 137221, 97834, 2
ACSSF, 2009e1, md, 000, 0003, 0000012, .....
ACSSF, 2009e1, md, 000, 0003, 0000013, 248471, 228283, 202783, 25500, 19149, 4306, 2045, 3989, 3430, 127, 329, 103
ACSSF, 2009e1, md, 000, 0003, 0000014, 351666, 308694, 277191, 31503, 26119, 3212, 2172, 15980, 14833, 120, 290, 7
ACSSF, 2009e1, md, 000, 0003, 0000015, .....
ACSSF, 2009e1, md, 000, 0003, 0000016, .....
ACSSF, 2009e1, md, 000, 0003, 0000017, .....
ACSSF, 2009e1, md, 000, 0003, 0000018, .....
ACSSF, 2009e1, md, 000, 0003, 0000019, 107070, 94949, 82030, 12919, 9952, 1627, 1340, 1434, 1434, 0, 0, 0, 245, 32
ACSSF, 2009e1, md, 000, 0003, 0000020, 92049, 84782, 76063, 8719, 6475, 1412, 832, 257, 257, 0, 0, 0, 171, 2169, 57
ACSSF, 2009e1, md, 000, 0003, 0000021, 152409, 139444, 127022, 12422, 9926, 1907, 589, 2085, 1815, 102, 71, 97, 0, 4
ACSSF, 2009e1, md, 000, 0003, 0000022, 482740, 394364, 348813, 45551, 36350, 5524, 3677, 44621, 26897, 459, 15573
ACSSF, 2009e1, md, 000, 0003, 0000023, 323723, 272527, 235560, 36967, 25997, 8228, 2742, 23745, 14835, 115, 7681,
ACSSF, 2009e1, md, 000, 0003, 0000024, .....
ACSSF, 2009e1, md, 000, 0003, 0000025, .....
ACSSF, 2009e1, md, 000, 0003, 0000026, .....
ACSSF, 2009e1, md, 000, 0003, 0000027, 369669, 291632, 252107, 39525, 29933, 6250, 3342, 42228, 31671, 1213, 7998
ACSSF, 2009e1, md, 000, 0003, 0000028, 369669, 291632, 252107, 39525, 29933, 6250, 3342, 42228, 31671, 1213, 7998
ACSSF, 2009e1, md, 000, 0003, 0000029, .....
ACSSF, 2009e1, md, 000, 0003, 0000030, .....
ACSSF, 2009e1, md, 000, 0003, 0000031, 45231, 31739, 27764, 3975, 3138, 278, 559, 8889, 5865, 210, 2161, 653, 0, 634
ACSSF, 2009e1, md, 000, 0003, 0000032, .....
ACSSF, 2009e1, md, 000, 0003, 0000033, 369669, 291632, 252107, 39525, 29933, 6250, 3342, 42228, 31671, 1213, 7998

```

2.6 How to Join the ACS Summary File to the TIGER/Line Shapefiles

TIGER/Line Shapefiles allow data users to directly link geographic areas to data from the American Community Survey and other surveys. The TIGER/Line Shapefiles are designed for use with geographic information system (GIS) software. Learn more about TIGER/Line Shapefiles at <http://www.census.gov/geo/maps-data/data/tiger-line.html>.

The variable GEOID joins the ACS Summary File to the TIGER/Line Shapefiles. For the ACS Summary File, GEOID is located in column AW of the geography file. It is not found in the estimates or margins of error files. (As discussed in previous chapters, the variable LOGRECNO is needed to join together the parts that make up the Summary File: the geography, estimates, and margins of error files). GEOID's corresponding variable in the 2012 TIGER/Line Shapefiles is GEOID10.

We will walk through an example of joining these files using Kent County, Delaware. In the ACS Summary File, the GEOID is 05000US10001. In the TIGER/Line Shapefiles, the GEOID10 is 10001. (GEOID is a concatenation of all the codes associated with a given geographic area, such as the state FIPS code, county FIPS code, etc. The exact concatenation varies by geographic area. In this example, 10=state FIPS code and 001=county FIPS code.)

The ACS Summary File GEOID contains the necessary information to connect to the TIGER/Line Shapefiles, but it needs to be modified in order to exactly match up. Notice that GEOID, **05000US10001**, contains the GEOID10 string, **10001**.

In order to create an exact match of GEOID and GEOID10, it is necessary to remove all of the characters before and including the letter "S" in the ACS Summary File. By removing these

characters, the new GEOID in the ACS Summary File exactly matches the field GEOID10 in the TIGER/Line Shapefiles.

The following is an example of how to modify the ACS Summary File’s GEOID in Excel 2007 so it can be joined with TIGER/Line Shapefiles:

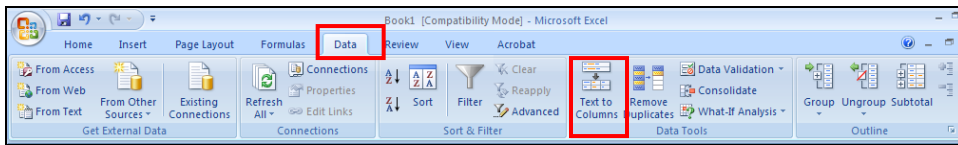
- 1) Open the ACS Summary File comma delimited geography file in Excel. This example uses Delaware’s geography file (g20121de.csv) available at www2.census.gov/acs2012_1yr/summaryfile/ with the column headers from the geography file template copied into Delaware’s geography file. Learn more about the geography file template in [Chapter 2.4](#).
- 2) Insert 2 blank columns to the right of the column “GEOID.” Your modified GEOID will eventually go into the second column. (Note: Columns F through AV in the diagrams following are hidden for illustrative purposes.)

1	A	B	C	D	E	AW	AX	AY	AZ
1	FILEID	STUSAB	SUMLEVEL	COMPONENT	LOGRECNO	GEOID			NAME
2	equal to ACS Summary File Identification	State Postal Abbreviation	Summary Level	Geographic Component	Logical Record Number	Geographic Identifier			Area Name
3	ACSSF	DE	40	0	1	04000US10			Delaware
4	ACSSF	DE	40	1	2	04001US10			Delaware -- Urban
5	ACSSF	DE	40	43	3	04043US10			Delaware -- Rural
6	ACSSF	DE	40	A0	4	040A0US10			Delaware -- In metropolitan or micropolitan sta
7	ACSSF	DE	40	C0	5	040C0US10			Delaware -- In metropolitan statistical area
8	ACSSF	DE	40	C1	6	040C1US10			Delaware -- In metropolitan statistical area -- in
9	ACSSF	DE	40	C2	7	040C2US10			Delaware -- In metropolitan statistical area -- n
10	ACSSF	DE	40	E0	8	040E0US10			Delaware -- In micropolitan statistical area
11	ACSSF	DE	40	E2	9	040E2US10			Delaware -- In micropolitan statistical area -- nc
12	ACSSF	DE	40	H0	10	040H0US10			Delaware -- Not in metropolitan statistical area
13	ACSSF	DE	50	0	11	05000US10001			Kent County, Delaware
14	ACSSF	DE	50	0	12	05000US10003			New Castle County, Delaware
15	ACSSF	DE	50	0	13	05000US10005			Sussex County, Delaware
16	ACSSF	DE	160	0	14	16000US1077580			Wilmington city, Delaware
17	ACSSF	DE	312	0	15	31200US379801077580			Wilmington city, DE; Philadelphia-Camden-Wilr
18	ACSSF	DE	500	0	16	50000US1000			Congressional District (at Large) (111th Congres
19	ACSSF	DE	795	0	17	79500US1000101			PUMAS 00101, Delaware
20	ACSSF	DE	795	0	18	79500US1000102			PUMAS 00102, Delaware
21	ACSSF	DE	795	0	19	79500US1000103			PUMAS 00103, Delaware
22	ACSSF	DE	795	0	20	79500US1000104			PUMAS 00104, Delaware
23	ACSSF	DE	795	0	21	79500US1000200			PUMAS 00200, Delaware

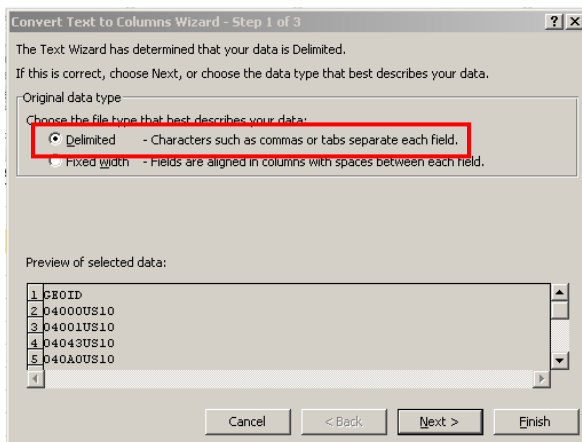
3) Next, select the column “GEOID.”

FILEID	STUSAB	SUMLEVEL	COMPONENT	LOGRECNO	GEOID	NAME
equal to ACS Summary File identification	State Postal Abbreviation	Summary Level	Geographic Component	Logical Record Number	Geographic Identifier	Area Name
3	ACSSF	DE	40	0	04000US10	Delaware
4	ACSSF	DE	40	1	04001US10	Delaware -- Urban
5	ACSSF	DE	40	43	04043US10	Delaware -- Rural
6	ACSSF	DE	40 A0		040A0US10	Delaware -- In metropolitan or micropolitan sta
7	ACSSF	DE	40 C0		040C0US10	Delaware -- In metropolitan statistical area
8	ACSSF	DE	40 C1		040C1US10	Delaware -- In metropolitan statistical area -- in
9	ACSSF	DE	40 C2		040C2US10	Delaware -- In metropolitan statistical area -- nc
10	ACSSF	DE	40 E0		040E0US10	Delaware -- In micropolitan statistical area
11	ACSSF	DE	40 E2		040E2US10	Delaware -- In micropolitan statistical area -- nc
12	ACSSF	DE	40 H0		040H0US10	Delaware -- Not in metropolitan statistical area
13	ACSSF	DE	50	0	05000US10001	Kent County, Delaware
14	ACSSF	DE	50	0	05000US10003	New Castle County, Delaware
15	ACSSF	DE	50	0	05000US10005	Sussex County, Delaware
16	ACSSF	DE	160	0	16000US1077580	Wilmington city, Delaware
17	ACSSF	DE	312	0	31200US379801077580	Wilmington city, DE; Philadelphia-Camden-Wil
18	ACSSF	DE	500	0	50000US1000	Congressional District (at Large) (111th Congres
19	ACSSF	DE	795	0	79500US1000101	PUMAS 00101, Delaware
20	ACSSF	DE	795	0	79500US1000102	PUMAS 00102, Delaware
21	ACSSF	DE	795	0	79500US1000103	PUMAS 00103, Delaware
22	ACSSF	DE	795	0	79500US1000104	PUMAS 00104, Delaware
23	ACSSF	DE	795	0	79500US1000200	PUMAS 00200, Delaware

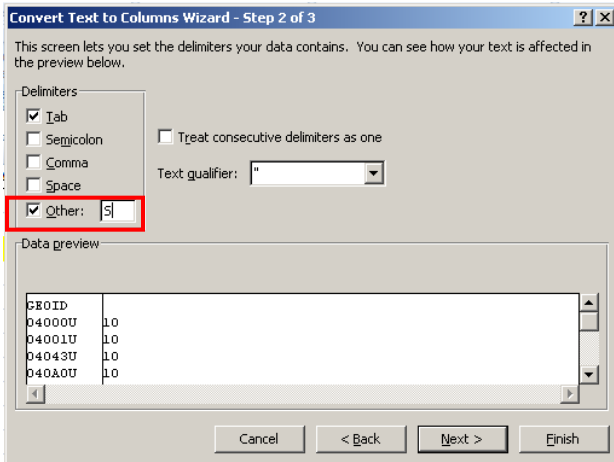
4) Select the “Data” tab from the top menu, then select “Text to Columns.” The “Convert Text to Columns Wizard” box should pop up.



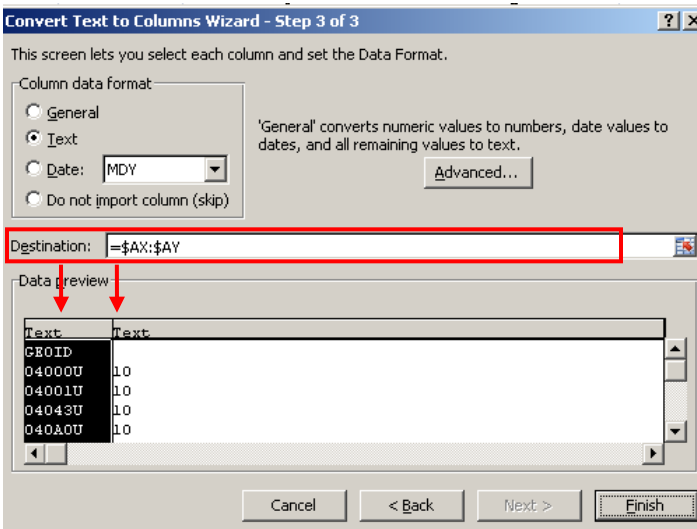
5) In the “Convert Text to Columns Wizard,” select “Delimited” under “Choose the file type that best describes your data:” then click “Next.”



- 6) Check “Other” as the delimiter and type the letter “S” into the box. Click “Next.”



- 7) In the “Data preview” window, click on the top of both columns in “Data preview” and select “Text” under “Column data format.” In “Destination,” select the two blank columns that you created in Step 1. Click “Finish.”



- 8) Column AY should now contain the modified GEOID that corresponds to GEOID10 in the TIGER/Line Shapefiles. The second screenshot shows the TIGER/Line Shapefile for Kent County, Delaware.

	A	B	C	D	E	AW	AX	AY	AZ
1	FILEID	STUSAB	SUMLEVEL	COMPONENT	LOGRECNO	GEOID	GEOID	NAME	
2	equal to ACS Summary File identification	State Postal Abbrevia	Summary Level	Geographic Component	Logical Record Number	Geographic Identifier	Geographic Identifier	Area Name	
3	ACSSF	DE	40		0	1 04000US10	04000U	10	Delaware
4	ACSSF	DE	40		1	2 04001US10	04001U	10	Delaware -- Urban
5	ACSSF	DE	40		43	3 04043US10	04043U	10	Delaware -- Rural
6	ACSSF	DE	40	A0		4 040A0US10	040A0U	10	Delaware -- In metropolitan or micropolitan sta
7	ACSSF	DE	40	C0		5 040C0US10	040C0U	10	Delaware -- In metropolitan statistical area
8	ACSSF	DE	40	C1		6 040C1US10	040C1U	10	Delaware -- In metropolitan statistical area -- in
9	ACSSF	DE	40	C2		7 040C2US10	040C2U	10	Delaware -- In metropolitan statistical area -- ni
10	ACSSF	DE	40	E0		8 040E0US10	040E0U	10	Delaware -- In micropolitan statistical area
11	ACSSF	DE	40	E2		9 040E2US10	040E2U	10	Delaware -- In micropolitan statistical area -- nc
12	ACSSF	DE	40	H0		10 040H0US10	040H0U	10	Delaware -- Not in metropolitan statistical area
13	ACSSF	DE	50		0	11 05000US10001	05000U	10001	Kent County, Delaware
14	ACSSF	DE	50		0	12 05000US10003	05000U	10003	New Castle County, Delaware
15	ACSSF	DE	50		0	13 05000US10005	05000U	10005	Sussex County, Delaware
16	ACSSF	DE	160		0	14 16000US1077580	16000U	1077580	Wilmington city, Delaware
17	ACSSF	DE	312		0	15 31200US379801077580	31200U	3.79801E+11	Wilmington city, DE; Philadelphia-Camden-Wil
18	ACSSF	DE	500		0	16 50000US1000	50000U	1000	Congressional District (at Large) (111th Congres
19	ACSSF	DE	795		0	17 79500US1000101	79500U	1000101	SUMAS 00101, Delaware
20	ACSSF	DE	795		0	18 79500US1000102	79500U	1000102	SUMAS 00102, Delaware
21	ACSSF	DE	795		0	19 79500US1000103	79500U	1000103	SUMAS 00103, Delaware
22	ACSSF	DE	795		0	20 79500US1000104	79500U	1000104	SUMAS 00104, Delaware
23	ACSSF	DE	795		0	21 79500US1000200	79500U	1000200	SUMAS 00200, Delaware

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	STATEFP10	COUNTYFP10	COUNTYNS10	GEOID10	NAME10	NAMESAD10	LSAD10	CLASSFP10	MTFCC10	CSAFP10	CBSAFP10	METDIVFP10	FUNCSTAT10
2	10	001	00217271	10001	Kent	Kent County	06	H1	G4020		20100		A
3	10	005	00217269	10005	Sussex	Sussex County	06	H1	G4020		42580		A
4	10	003	00217270	10003	New Castle	New Castle County	06	H1	G4020	428	37980	48864	A
5													

- 9) The ACS Summary File and the TIGER/Line Shapefile should now be ready to be joined using GIS software. Visit “Working with TIGER/Line Shapefiles” at <https://www.census.gov/geo/education/howtos.html> to learn more about how to access and use the TIGER/Line Shapefiles.

3 User Tools

3.1 Summary File Excel Retrieval Tool

If only a few tables are needed, a useful tool is the Summary File Excel Retrieval Tool. If users have Excel 2007 or later, the tool is able to get tables from an entire sequence and from a summary level and component. Information on how to use Summary File Excel Retrieval Tool is located on the ACS Summary File page, at www.census.gov/acs/www/data_documentation/summary_file.

Hardware and Software requirements for the application include:

- Microsoft Windows XP Professional Service Pack 3 or newer (a Mac version is being developed)
- Winzip version 14.5 or compatible
- 32 bit Office 2007 or newer
- DSL connection at 1.0 Mbps or greater is recommended

3.2 Summary File SAS Tool

For users with SAS software, please visit the User Tools folder, http://www2.census.gov/acs2012_1yr/summaryfile/UserTools/ to download SAS programs. These programs allow users to load the Summary File data into SAS Datasets. The SAS programs serve as a reference for the users, and include variable labels, however modifications may be necessary before users can get the data. After the needed Summary File data have been downloaded, users should specify the locations in the library references and the infile statements.

- 1) SF20121YR_SAS.zip – Contains SAS programs, which can be used to convert each estimate and margin of error into SAS Datasets. The SAS datasets include table stubs. There is one individual SAS program for each sequence per state.
- 2) SF_All_Macro.sas – This is a detailed example SAS program containing SAS macros which access the ACS Summary File geography, estimate and margin of error data. It creates one table for all geographies from the ACS Summary File. Segments of the SAS codes can be used to convert geography files into SAS datasets.

3.3 Summary File Excel Import Tool

This tool is another way data users can read the Summary File into Excel, and it is designed to be compatible with any version of the software. While this example uses the 2007-2009 ACS 3-year Summary File, the file layout is similar for the 2012 ACS 1-year Summary File. To begin using this tool, users must first download the Summary File data, the Excel template file, and the Excel geography file.

The 2009 3-year ACS Summary File is available at http://www2.census.gov/acs2009_3yr/summaryfile/. In this example, we are accessing the data by selecting “2007-2009 ACSSF By State All Tables,” then selecting “California All Geographies.zip.” Once downloaded and unzipped to a local directory, this compressed file contains individual text files and one geography file per Summary File sequence. We are using Sequence file 1, so you need to open and save the corresponding estimate and margin of error text files (e20093ca0001000.txt and m20093ca0001000.txt).

Next, you need to download the Excel template file, SummaryFileXLS.zip, from http://www2.census.gov/acs2009_3yr/summaryfile/UserTools/. (Note: SummaryFileXLS.zip is named SummaryFileTemplates.zip for 2012.) Once unzipped to a local directory, this compressed file contains an Excel file for each Summary File sequence. Again, we are using Sequence File 1, so you need to open Seq1.xls.

Finally, you need to download and save the Excel geography file, mini_geofile.xls, from http://www2.census.gov/acs2009_3yr/summaryfile/UserTools/Geography/ to the same local directory. Each worksheet in the mini_geofile.xls represents geographies that are within a state. Note that the “US” worksheet only contains summary levels that can cross state boundaries. “US” is not the data at the national summary level.

We will walk through an example using sequence 1 for the state of California:

- 1) When the template file is open in Excel it should appear as below:

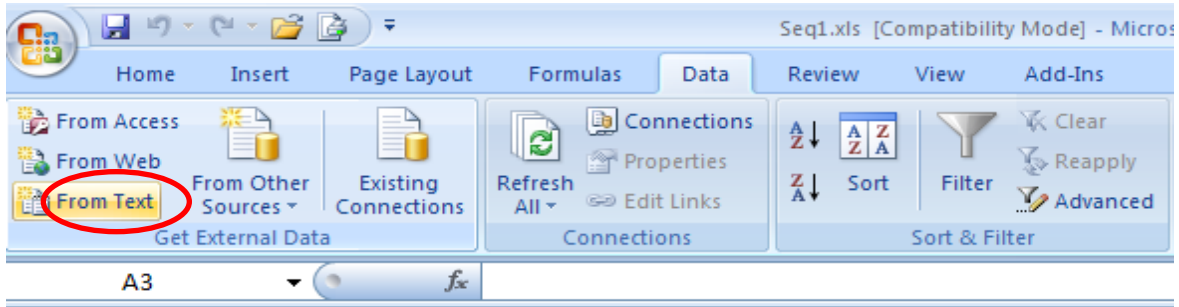
	A	B	C	D	E	F	G	H
1	FILEID	FILETYPE	STUSAB	CHARITER	SEQUENCE	LOGRECNO	B07401_001	B07401_002
2	FILEID	FILETYPE	STUSAB	CHARITER	SEQUENCE	LOGRECNO	Population 1	Population 1
3								
4								

- 2) Place your cursor in cell **A3** and click on the **Data** tab in the Excel tool bar. See below:

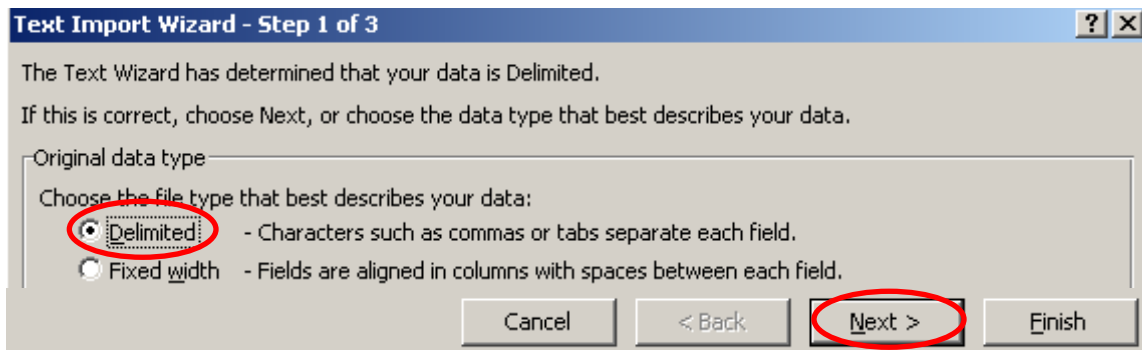
The screenshot shows the Microsoft Excel interface with the 'Data' tab selected on the ribbon. The ribbon groups visible are 'Get External Data' (From Access, From Web, From Text, From Other Sources, Existing Connections), 'Connections' (Refresh All, Properties, Edit Links), 'Sort & Filter' (Sort, Filter, Clear, Reapply, Advanced), and 'Data Tools' (Text to Columns, Remove Duplicates, What-If Analysis). Below the ribbon, the spreadsheet shows the same data as the previous table, with cell A3 highlighted and circled in red.

	A	B	C	D	E	F	G
1	FILEID	FILETYPE	STUSAB	CHARITER	SEQUENCE	LOGRECNO	B07401_001
2	FILEID	FILETYPE	STUSAB	CHARITER	SEQUENCE	LOGRECNO	Population 1
3							

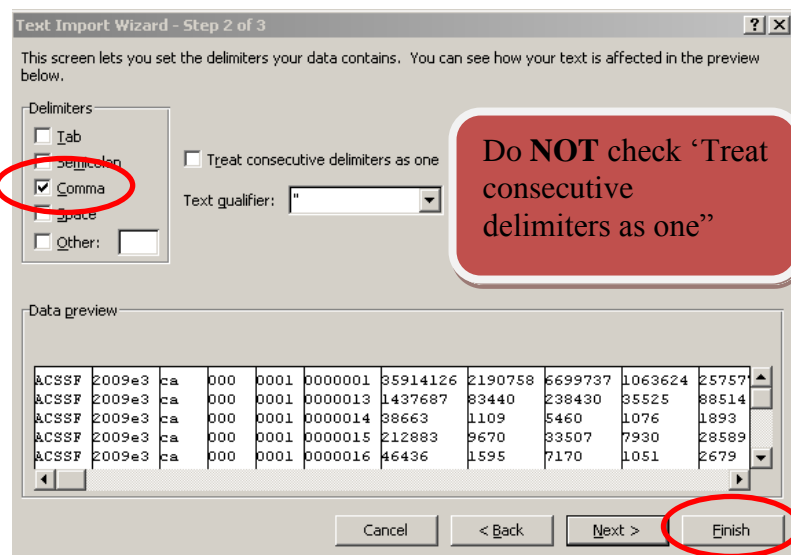
3) To import the Summary File text file into Excel click on **From Text** in the **Get External Data** section of the tool bar. In this example, we are opening the estimate file for California (e20093ca0001000.txt).



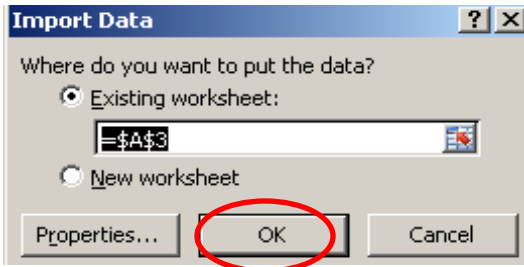
4) Step 1 of the Text Import Wizard will appear. Under **Original data type** choose **Delimited**, and then click **Next**.



5) Step 2 of the Excel Text Import Wizard will appear. Under **Delimiters** choose **Comma**. Users may click **Finish** to import the file or choose **Next** to format the Excel columns.



6) A Pop up window will appear to confirm cell **A3** as the correct cell. Click **OK**.



7) The summary file will be imported in Excel as below:

	G	H	I	J	K	L
1	B07401_001	B07401_002	B07401_003	B07401_004	B07401_005	B07401_006
2	Population 1 year and over in the United States	Population 1 year and over in the United States% 1 to 4 years	Population 1 year and over in the United States% 5 to 17 years	Population 1 year and over in the United States% 18 and 19 years	Population 1 year and over in the United States% 20 to 24 years	Population 1 year and over in the United States% 25 to 29 years
3	35914126	2190758	6699737	1063624	2575775	2730510

Row 1 – Contains a unique identifier of Table ID and Line Number with a “_” between them

Row 2 – Contains the associated metadata for each unique Identifier

Row 3 – Is the first Row of the imported data

	A	B	C	D	E	F
1	FILEID	FILETYPE	STUSAB	CHARITER	SEQUENCE	LOGRECNO
2	FILEID	FILETYPE	STUSAB	CHARITER	SEQUENCE	LOGRECNO
3	ACSSF	20093	ca	0	1	1

Column A – Is a constant value of “ACSSF” (stands for ACS Summary File)

Column B – Contains the associated metadata for each unique Identifier

Column C – Is the first Row of the imported data

8) Read in the estimates and margins of error for each sequence needed. For example, here is the screenshot of the estimates for sequence 1 (the screenshots are for illustration purposes only and may not reflect the current data):

2012 ACS 1-Year Summary File Technical Documentation

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
1	FILEID	FILETYPE	ST	C	S	LO	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	
2	FILEID	FILETYPE	ST	C	S	LO	Populatio	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	
3	ACSSF	2.01E+06	ca	0	1	1	35914126	2190758	6699737	1063624	2575775	2730510	2535820	2629451	2635271	2684406	2447440	2050939	1636145	1177277	
4	ACSSF	2.01E+06	ca	0	1	13	1437687	83440	238430	35525	88514	114696	114071	113925	115002	114248	103815	90481	67487	45486	
5	ACSSF	2.01E+06	ca	0	1	14	38663	1109	5460	1076	1893	1644	1723	2451	2539	3152	3635	3432	3088	2451	
6	ACSSF	2.01E+06	ca	0	1	15	212883	9670	33507	7930	28589	12007	8875	11306	12181	14232	15322	14571	12078	9125	
7	ACSSF	2.01E+06	ca	0	1	16	46436	1595	7170	1051	2679	1979	1499	1785	3237	3603	4565	4086	4101	2706	
8	ACSSF	2.01E+06	ca	0	1	17
9	ACSSF	2.01E+06	ca	0	1	18	1011548	55839	190330	29783	61276	60744	59006	71006	80147	84549	77634	66043	53039	35733	
10	ACSSF	2.01E+06	ca	0	1	19	28492	1431	4944	959	1850	1873	1901	1934	1762	2145	2407	1980	1486	966	
11	ACSSF	2.01E+06	ca	0	1	20	175652	8684	30988	5148	8868	8208	8157	9957	14333	16915	16712	13741	12824	7642	
12	ACSSF	2.01E+06	ca	0	1	21	884573	65634	192065	28611	70870	74046	60914	58142	57316	57437	52809	44536	35251	25812	
13	ACSSF	2.01E+06	ca	0	1	22
14	ACSSF	2.01E+06	ca	0	1	23	125157	6007	17968	3491	14696	9189	7055	7189	7275	8789	9676	9507	7418	4987	
15	ACSSF	2.01E+06	ca	0	1	24	159688	12281	34350	6251	12608	11354	10131	10074	10995	11135	9722	7883	5486	4648	
16	ACSSF	2.01E+06	ca	0	1	25	765026	57687	174744	25895	56760	57171	51525	49650	52808	53681	46937	38067	29453	23226	
17	ACSSF	2.01E+06	ca	0	1	26	140796	10575	27618	4456	13115	12398	11516	12333	9839	9352	7763	6107	4828	3321	
18	ACSSF	2.01E+06	ca	0	1	27	63904	3218	10637	1558	3164	3705	2997	4406	3366	4756	5485	4700	4916	3480	
19	ACSSF	2.01E+06	ca	0	1	28	34510	1639	5057	825	2525	3032	2658	3308	3128	3086	2332	2331	1640	1013	
20	ACSSF	2.01E+06	ca	0	1	29	9706124	590555	1807440	286895	685733	801602	753973	752670	726008	708369	635244	525215	406505	293823	
21	ACSSF	2.01E+06	ca	0	1	30	143605	10279	30957	4456	9379	10532	9022	9652	9657	9797	9294	8226	7188	5174	
22	ACSSF	2.01E+06	ca	0	1	31	240037	10968	35681	6247	10908	9151	11722	16173	18895	21345	21635	21172	17027	12591	
23	ACSSF	2.01E+06	ca	0	1	32	87010	5024	14523	2593	5272	5109	4698	5078	5270	6098	6850	6678	6632	4023	
24	ACSSF	2.01E+06	ca	0	1	33	239456	17414	55847	9187	19052	16885	15497	15904	15956	15807	13963	11461	9225	7494	
25	ACSSF	2.01E+06	ca	0	1	34	397355	28923	74028	12228	33709	31691	27992	26772	27612	27378	25583	21972	17830	11563	
26	ACSSF	2.01E+06	ca	0	1	35	130845	6751	22410	3891	8396	7659	7209	9471	8454	10436	9618	8571	8214	5529	
27	ACSSF	2.01E+06	ca	0	1	36	95596	3388	14361	2385	4479	4372	3693	5317	6081	7938	9023	9384	7438	5744	

9) Next, you need to pad zeroes for the logical record number LOGRECNO. Add a column next to LOGRECNO. To do this, **Highlight** column G, then **Right Click** and click **Insert**.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
1	FILEID	FILETYPE	ST	C	S	LO	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	
2	FILEID	FILETYPE	ST	C	S	LO	Populatio	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	
3	ACSSF	2.01E+06	ca	0	1	1	35914126	2190758	6699737	1063624	2575775	2730510	2535820	2629451	2635271	2684406	2447440	2050939	1636145	1177277	
4	ACSSF	2.01E+06	ca	0	1	13	1437687	83440	238430	35525	88514	114696	114071	113925	115002	114248	103815	90481	67487	45486	
5	ACSSF	2.01E+06	ca	0	1	14	38663	1109	5460	1076	1893	1644	1723	2451	2539	3152	3635	3432	3088	2451	
6	ACSSF	2.01E+06	ca	0	1	15	212883	9670	33507	7930	28589	12007	8875	11306	12181	14232	15322	14571	12078	9125	
7	ACSSF	2.01E+06	ca	0	1	16	46436	1595	7170	1051	2679	1979	1499	1785	3237	3603	4565	4086	4101	2706	
8	ACSSF	2.01E+06	ca	0	1	17
9	ACSSF	2.01E+06	ca	0	1	18	1011548	55839	190330	29783	61276	60744	59006	71006	80147	84549	77634	66043	53039	35733	
10	ACSSF	2.01E+06	ca	0	1	19	28492	1431	4944	959	1850	1873	1901	1934	1762	2145	2407	1980	1486	966	
11	ACSSF	2.01E+06	ca	0	1	20	175652	8684	30988	5148	8868	8208	8157	9957	14333	16915	16712	13741	12824	7642	
12	ACSSF	2.01E+06	ca	0	1	21	884573	65634	192065	28611	70870	74046	60914	58142	57316	57437	52809	44536	35251	25812	
13	ACSSF	2.01E+06	ca	0	1	22
14	ACSSF	2.01E+06	ca	0	1	23	125157	6007	17968	3491	14696	9189	7055	7189	7275	8789	9676	9507	7418	4987	
15	ACSSF	2.01E+06	ca	0	1	24	159688	12281	34350	6251	12608	11354	10131	10074	10995	11135	9722	7883	5486	4648	
16	ACSSF	2.01E+06	ca	0	1	25	765026	57687	174744	25895	56760	57171	51525	49650	52808	53681	46937	38067	29453	23226	
17	ACSSF	2.01E+06	ca	0	1	26	140796	10575	27618	4456	13115	12398	11516	12333	9839	9352	7763	6107	4828	3321	
18	ACSSF	2.01E+06	ca	0	1	27	63904	3218	10637	1558	3164	3705	2997	4406	3366	4756	5485	4700	4916	3480	
19	ACSSF	2.01E+06	ca	0	1	28	34510	1639	5057	825	2525	3032	2658	3308	3128	3086	2332	2331	1640	1013	
20	ACSSF	2.01E+06	ca	0	1	29	9706124	590555	1807440	286895	685733	801602	753973	752670	726008	708369	635244	525215	406505	293823	
21	ACSSF	2.01E+06	ca	0	1	30	143605	10279	30957	4456	9379	10532	9022	9652	9657	9797	9294	8226	7188	5174	
22	ACSSF	2.01E+06	ca	0	1	31	240037	10968	35681	6247	10908	9151	11722	16173	18895	21345	21635	21172	17027	12591	
23	ACSSF	2.01E+06	ca	0	1	32	87010	5024	14523	2593	5272	5109	4698	5078	5270	6098	6850	6678	6632	4023	
24	ACSSF	2.01E+06	ca	0	1	33	239456	17414	55847	9187	19052	16885	15497	15904	15956	15807	13963	11461	9225	7494	
25	ACSSF	2.01E+06	ca	0	1	34	397355	28923	74028	12228	33709	31691	27992	26772	27612	27378	25583	21972	17830	11563	
26	ACSSF	2.01E+06	ca	0	1	35	130845	6751	22410	3891	8396	7659	7209	9471	8454	10436	9618	8571	8214	5529	
27	ACSSF	2.01E+06	ca	0	1	36	95596	3388	14361	2385	4479	4372	3693	5317	6081	7938	9023	9384	7438	5744	

a. For cells G1 and G2, put in **LOGRECNO** as the label.

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
	FILEID	FILETYPE	ST	CS	LOGRECNO	LOGRECNO		B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0
				CS															
				HE															
				AQ															
				STR															
				UIE															
				STN															
				EA															
				EC															
				RE															
2	FILEID	FILETYPE	B	R	LOGRECNO	LOGRECNO		Populatio	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Popula
3	ACSSF	2.01E+06	ca	0	1	1		35914126	2190758	6699737	1063624	2575775	2730510	2535820	2629451	2635271	2684406	2447440	205093
4	ACSSF	2.01E+06	ca	0	1	13		1437687	83440	238430	35525	88514	114696	114071	113925	115002	114248	103815	9048
5	ACSSF	2.01E+06	ca	0	1	14		38663	1109	5460	1076	1893	1644	1723	2451	2539	3152	3635	343
6	ACSSF	2.01E+06	ca	0	1	15		212883	9670	33507	7930	28589	12007	8875	11306	12181	14232	15322	1457
7	ACSSF	2.01E+06	ca	0	1	16		46436	1595	7170	1051	2679	1979	1499	1785	3237	3603	4565	408
8	ACSSF	2.01E+06	ca	0	1	17													
9	ACSSF	2.01E+06	ca	0	1	18		1011548	55839	190330	29783	61276	60744	59006	71006	80147	84549	77634	6604
10	ACSSF	2.01E+06	ca	0	1	19		28492	1431	4944	959	1850	1873	1901	1934	1762	2145	2407	198
11	ACSSF	2.01E+06	ca	0	1	20		175652	8684	30988	5148	8868	8208	8157	9957	14333	16915	16712	1374
12	ACSSF	2.01E+06	ca	0	1	21		884573	65634	192065	28611	70870	74046	60914	58142	57316	57437	52809	4453
13	ACSSF	2.01E+06	ca	0	1	22													
14	ACSSF	2.01E+06	ca	0	1	23		125157	6007	17968	3491	14696	9189	7055	7189	7275	8789	9676	950
15	ACSSF	2.01E+06	ca	0	1	24		159688	12281	34350	6251	12608	11354	10131	10074	10995	11135	9722	788
16	ACSSF	2.01E+06	ca	0	1	25		765026	57687	174744	25895	56760	57171	51525	49650	52808	53681	46937	3806
17	ACSSF	2.01E+06	ca	0	1	26		140796	10575	27618	4456	13115	12398	11516	12333	9839	9352	7763	610
18	ACSSF	2.01E+06	ca	0	1	27		63904	3218	10637	1558	3164	3705	2997	4406	3366	4756	5485	470
19	ACSSF	2.01E+06	ca	0	1	28		34510	1639	5057	825	2525	3032	2658	3308	3128	3086	2332	233
20	ACSSF	2.01E+06	ca	0	1	29		9706124	590555	1807440	286895	685733	801602	753973	752670	726008	708369	635244	52521

b. **Highlight** cell G3 and enter the formula **=REPT("0",7-LEN(F3))&F3**, then hit **Enter**.

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
	FILEID	FILETYPE	ST	CS	LOGRECNO	LOGRECNO		B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0
				CS															
				HE															
				AQ															
				STR															
				UIE															
				STN															
				EA															
				EC															
				RE															
2	FILEID	FILETYPE	B	R	LOGRECNO	LOGRECNO		Populatio	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Popula
3	ACSSF	2.01E+06	ca	0	1	1		35914126	2190758	6699737	1063624	2575775	2730510	2535820	2629451	2635271	2684406	2447440	205093
4	ACSSF	2.01E+06	ca	0	1	13		1437687	83440	238430	35525	88514	114696	114071	113925	115002	114248	103815	9048
5	ACSSF	2.01E+06	ca	0	1	14		38663	1109	5460	1076	1893	1644	1723	2451	2539	3152	3635	343
6	ACSSF	2.01E+06	ca	0	1	15		212883	9670	33507	7930	28589	12007	8875	11306	12181	14232	15322	1457
7	ACSSF	2.01E+06	ca	0	1	16		46436	1595	7170	1051	2679	1979	1499	1785	3237	3603	4565	408
8	ACSSF	2.01E+06	ca	0	1	17													
9	ACSSF	2.01E+06	ca	0	1	18		1011548	55839	190330	29783	61276	60744	59006	71006	80147	84549	77634	6604
10	ACSSF	2.01E+06	ca	0	1	19		28492	1431	4944	959	1850	1873	1901	1934	1762	2145	2407	198
11	ACSSF	2.01E+06	ca	0	1	20		175652	8684	30988	5148	8868	8208	8157	9957	14333	16915	16712	1374
12	ACSSF	2.01E+06	ca	0	1	21		884573	65634	192065	28611	70870	74046	60914	58142	57316	57437	52809	4453
13	ACSSF	2.01E+06	ca	0	1	22													
14	ACSSF	2.01E+06	ca	0	1	23		125157	6007	17968	3491	14696	9189	7055	7189	7275	8789	9676	950
15	ACSSF	2.01E+06	ca	0	1	24		159688	12281	34350	6251	12608	11354	10131	10074	10995	11135	9722	788
16	ACSSF	2.01E+06	ca	0	1	25		765026	57687	174744	25895	56760	57171	51525	49650	52808	53681	46937	3806
17	ACSSF	2.01E+06	ca	0	1	26		140796	10575	27618	4456	13115	12398	11516	12333	9839	9352	7763	610
18	ACSSF	2.01E+06	ca	0	1	27		63904	3218	10637	1558	3164	3705	2997	4406	3366	4756	5485	470
19	ACSSF	2.01E+06	ca	0	1	28		34510	1639	5057	825	2525	3032	2658	3308	3128	3086	2332	233
20	ACSSF	2.01E+06	ca	0	1	29		9706124	590555	1807440	286895	685733	801602	753973	752670	726008	708369	635244	52521

c. Copy and paste the formula in cell G3 down column G to the last row of the data.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	FILEID	FILETYPE	STRUCS	LOGRECNO	LOGRECNO	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0
2	FILEID	FILETYPE	STRUCS	LOGRECNO	LOGRECNO	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati
3	ACSSF	2.01E+06	ca	0	1	0000001	2575775	2730510	2535820	2629451	2635271	2684406	2447440	205093				
4	ACSSF	2.01E+06	ca	0	1	13	88514	114696	114071	113925	115002	114248	103815	9048				
5	ACSSF	2.01E+06	ca	0	1	14	1893	1644	1723	2451	2539	3152	3635	343				
6	ACSSF	2.01E+06	ca	0	1	15	28589	12007	8875	11306	12181	14232	15322	1457				
7	ACSSF	2.01E+06	ca	0	1	16	2679	1979	1499	1785	3237	3603	4565	408				
8	ACSSF	2.01E+06	ca	0	1	17												
9	ACSSF	2.01E+06	ca	0	1	18	61276	60744	59006	71006	80147	84549	77634	6604				
10	ACSSF	2.01E+06	ca	0	1	19	1850	1873	1901	1934	1762	2145	2407	198				
11	ACSSF	2.01E+06	ca	0	1	20	8868	8208	8157	9957	14333	16915	16712	1374				
12	ACSSF	2.01E+06	ca	0	1	21	70870	74046	60914	58142	57316	57437	52809	4453				
13	ACSSF	2.01E+06	ca	0	1	22												
14	ACSSF	2.01E+06	ca	0	1	23	14696	9189	7055	7189	7275	8789	9676	950				
15	ACSSF	2.01E+06	ca	0	1	24	12608	11354	10131	10074	10995	11135	9722	788				
16	ACSSF	2.01E+06	ca	0	1	25	56760	57171	51525	49650	52808	53681	46937	3806				
17	ACSSF	2.01E+06	ca	0	1	26	13115	12398	11516	12333	9839	9352	7763	610				
18	ACSSF	2.01E+06	ca	0	1	27	3164	3705	2997	4406	3366	4756	5485	470				
19	ACSSF	2.01E+06	ca	0	1	28	2525	3032	2658	3308	3128	3086	2332	233				
20	ACSSF	2.01E+06	ca	0	1	29	685733	801602	753973	752670	726008	708369	635244	52521				

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	FILEID	FILETYPE	STRUCS	LOGRECNO	LOGRECNO	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0	B07401_0
2	FILEID	FILETYPE	STRUCS	LOGRECNO	LOGRECNO	Populatio	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati
3	ACSSF	2.01E+06	ca	0	1	0000001	35914126	2190758	6699737	1063624	2575775	2730510	2535820	2629451	2635271	2684406	2447440	205093
4	ACSSF	2.01E+06	ca	0	1	13	1437687	83440	238430	35525	88514	114696	114071	113925	115002	114248	103815	9048
5	ACSSF	2.01E+06	ca	0	1	14	38663	1109	5460	1076	1893	1644	1723	2451	2539	3152	3635	343
6	ACSSF	2.01E+06	ca	0	1	15	212883	9670	33507	7930	28589	12007	8875	11306	12181	14232	15322	1457
7	ACSSF	2.01E+06	ca	0	1	16	46436	1595	7170	1051	2679	1979	1499	1785	3237	3603	4565	408
8	ACSSF	2.01E+06	ca	0	1	17												
9	ACSSF	2.01E+06	ca	0	1	18	1011548	55839	190330	29783	61276	60744	59006	71006	80147	84549	77634	6604
10	ACSSF	2.01E+06	ca	0	1	19	28492	1431	4944	959	1850	1873	1901	1934	1762	2145	2407	198
11	ACSSF	2.01E+06	ca	0	1	20	175652	8684	30988	5148	8868	8208	8157	9957	14333	16915	16712	1374
12	ACSSF	2.01E+06	ca	0	1	21	884573	65634	192065	28611	70870	74046	60914	58142	57316	57437	52809	4453
13	ACSSF	2.01E+06	ca	0	1	22												
14	ACSSF	2.01E+06	ca	0	1	23	125157	6007	17968	3491	14696	9189	7055	7189	7275	8789	9676	950
15	ACSSF	2.01E+06	ca	0	1	24	159688	12281	34350	6251	12608	11354	10131	10074	10995	11135	9722	788
16	ACSSF	2.01E+06	ca	0	1	25	765026	57687	174744	25895	56760	57171	51525	49650	52808	53681	46937	3806
17	ACSSF	2.01E+06	ca	0	1	26	140796	10575	27618	4456	13115	12398	11516	12333	9839	9352	7763	610
18	ACSSF	2.01E+06	ca	0	1	27	63904	3218	10637	1558	3164	3705	2997	4406	3366	4756	5485	470
19	ACSSF	2.01E+06	ca	0	1	28	34510	1639	5057	825	2525	3032	2658	3308	3128	3086	2332	233
20	ACSSF	2.01E+06	ca	0	1	29	9706124	590555	1807440	286895	685733	801602	753973	752670	726008	708369	635244	52521

10) Add geographies by using common merged keys.

- a. To add geographies, insert two extra columns next to the padded LOGRECNO column G, and label them GEOID and Geography Name. Open the **Excel geography file** mini_geofile.xls and keep both Seq1.xls and mini_geofile.xls files open.

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
FILEID	FILETYPE	ST	CS	LOGRECNO	LOGRECNO	GEOID	Geography Name	B07401_0	B07401_1	B07401_2	B07401_3	B07401_4	B07401_5	B07401_6	B07401_7	B07401_8	B07401_9
2	FILEID	FILETYPE	B	R	E	LOGRECNO	LOGRECNO	GEOID	Geography Name	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati
3	ACSSF	2.01E+06	ca	0	1	1	0000001			35914126	2190758	6699737	1063624	2575775	2730510	2535820	2629451
4	ACSSF	2.01E+06	ca	0	1	13	0000013			1437687	83440	238430	35525	88514	114696	114071	113925
5	ACSSF	2.01E+06	ca	0	1	14	0000014			38663	1109	5460	1076	1893	1644	1723	2451
6	ACSSF	2.01E+06	ca	0	1	15	0000015			212883	9670	33507	7930	28589	12007	8875	11306
7	ACSSF	2.01E+06	ca	0	1	16	0000016			46436	1595	7170	1051	2679	1979	1499	1785
8	ACSSF	2.01E+06	ca	0	1	17	0000017			.	.	.	.	.	.	.	.
9	ACSSF	2.01E+06	ca	0	1	18	0000018			1011548	55839	190330	29783	61276	60744	59006	71006
10	ACSSF	2.01E+06	ca	0	1	19	0000019			28492	1431	4944	959	1850	1873	1901	1934
11	ACSSF	2.01E+06	ca	0	1	20	0000020			175652	8684	30988	5148	8868	8208	8157	9957
12	ACSSF	2.01E+06	ca	0	1	21	0000021			884573	65634	192065	28611	70870	74046	60914	58142
13	ACSSF	2.01E+06	ca	0	1	22	0000022			.	.	.	.	.	.	.	.
14	ACSSF	2.01E+06	ca	0	1	23	0000023			125157	6007	17968	3491	14696	9189	7055	7189
15	ACSSF	2.01E+06	ca	0	1	24	0000024			159688	12281	34350	6251	12608	11354	10131	10074
16	ACSSF	2.01E+06	ca	0	1	25	0000025			765026	57687	174744	25895	56760	57171	51525	49650
17	ACSSF	2.01E+06	ca	0	1	26	0000026			140796	10575	27618	4456	13115	12398	11516	12333
18	ACSSF	2.01E+06	ca	0	1	27	0000027			63904	3218	10637	1558	3164	3705	2997	4406
19	ACSSF	2.01E+06	ca	0	1	28	0000028			34510	1639	5057	825	2525	3032	2658	3308
20	ACSSF	2.01E+06	ca	0	1	29	0000029			9706124	590555	1807440	286895	685733	801602	753973	752670

- b. Add GEOID by using LOGRECNO as the common merged key from both Seq1.xls and ca.xls. **Highlight** cell H3 and enter the formula: **=VLOOKUP(G3,[mini_geofile.xls]ca!B:C,2,0)**

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
FILEID	FILETYPE	ST	CS	LOGRECNO	LOGRECNO	GEOID	Geography Name	B07401_0	B07401_1	B07401_2	B07401_3	B07401_4	B07401_5	B07401_6	B07401_7	B07401_8	B07401_9
2	FILEID	FILETYPE	B	R	E	LOGRECNO	LOGRECNO	GEOID	Geography Name	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati
3	ACSSF	2.01E+06	ca	0	1	1	0000001	04000US06		35914126	2190758	6699737	1063624	2575775	2730510	2535820	2629451
4	ACSSF	2.01E+06	ca	0	1	13	0000013			1437687	83440	238430	35525	88514	114696	114071	113925
5	ACSSF	2.01E+06	ca	0	1	14	0000014			38663	1109	5460	1076	1893	1644	1723	2451
6	ACSSF	2.01E+06	ca	0	1	15	0000015			212883	9670	33507	7930	28589	12007	8875	11306
7	ACSSF	2.01E+06	ca	0	1	16	0000016			46436	1595	7170	1051	2679	1979	1499	1785
8	ACSSF	2.01E+06	ca	0	1	17	0000017			.	.	.	.	.	.	.	.
9	ACSSF	2.01E+06	ca	0	1	18	0000018			1011548	55839	190330	29783	61276	60744	59006	71006
10	ACSSF	2.01E+06	ca	0	1	19	0000019			28492	1431	4944	959	1850	1873	1901	1934
11	ACSSF	2.01E+06	ca	0	1	20	0000020			175652	8684	30988	5148	8868	8208	8157	9957
12	ACSSF	2.01E+06	ca	0	1	21	0000021			884573	65634	192065	28611	70870	74046	60914	58142
13	ACSSF	2.01E+06	ca	0	1	22	0000022			.	.	.	.	.	.	.	.
14	ACSSF	2.01E+06	ca	0	1	23	0000023			125157	6007	17968	3491	14696	9189	7055	7189
15	ACSSF	2.01E+06	ca	0	1	24	0000024			159688	12281	34350	6251	12608	11354	10131	10074
16	ACSSF	2.01E+06	ca	0	1	25	0000025			765026	57687	174744	25895	56760	57171	51525	49650
17	ACSSF	2.01E+06	ca	0	1	26	0000026			140796	10575	27618	4456	13115	12398	11516	12333
18	ACSSF	2.01E+06	ca	0	1	27	0000027			63904	3218	10637	1558	3164	3705	2997	4406
19	ACSSF	2.01E+06	ca	0	1	28	0000028			34510	1639	5057	825	2525	3032	2658	3308
20	ACSSF	2.01E+06	ca	0	1	29	0000029			9706124	590555	1807440	286895	685733	801602	753973	752670

- c. Add geography names by using GEOID as the common merged key from both Seq1.xls and ca.xls. **Highlight** cell I3 and enter the formula: **=VLOOKUP(H3,[mini_geofile.xls]ca!C:D,2,0)**

1	FILEID	FILETYPE	STRUCTURE	LOGRECNO	LOGRECNO	GEOID	Geography Name	B07401_0	B07401_1	B07401_2	B07401_3	B07401_4	B07401_5	B07401_6	B07401_7	B07401_8	B07401_9
2	FILEID	FILETYPE	STRUCTURE	LOGRECNO	LOGRECNO	GEOID	Geography Name	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati
3	ACSSF	2.01E+06	ca 0 1	1	0000001	04000US06	California	35914126	2190758	6699737	1063624	2575775	2730510	2535820	2629451	2629451	2629451
4	ACSSF	2.01E+06	ca 0 1	13	0000013			1437687	83440	238430	35525	88514	114696	114071	113925		
5	ACSSF	2.01E+06	ca 0 1	14	0000014			38663	1109	5460	1076	1893	1644	1723	2451		
6	ACSSF	2.01E+06	ca 0 1	15	0000015			212883	9670	33507	7930	28589	12007	8875	11306		
7	ACSSF	2.01E+06	ca 0 1	16	0000016			46436	1595	7170	1051	2679	1979	1499	1785		
8	ACSSF	2.01E+06	ca 0 1	17	0000017												
9	ACSSF	2.01E+06	ca 0 1	18	0000018			1011548	55839	190330	29783	61276	60744	59006	71006		
10	ACSSF	2.01E+06	ca 0 1	19	0000019			28492	1431	4944	959	1850	1873	1901	1934		
11	ACSSF	2.01E+06	ca 0 1	20	0000020			175652	8684	30988	5148	8868	8208	8157	9957		
12	ACSSF	2.01E+06	ca 0 1	21	0000021			884573	65634	192065	28611	70870	74046	60914	58142		
13	ACSSF	2.01E+06	ca 0 1	22	0000022												
14	ACSSF	2.01E+06	ca 0 1	23	0000023			125157	6007	17968	3491	14696	9189	7055	7189		
15	ACSSF	2.01E+06	ca 0 1	24	0000024			159688	12281	34350	6251	12608	11354	10131	10074		
16	ACSSF	2.01E+06	ca 0 1	25	0000025			765026	57687	174744	25895	56760	57171	51525	49650		
17	ACSSF	2.01E+06	ca 0 1	26	0000026			140796	10575	27618	4456	13115	12398	11516	12333		
18	ACSSF	2.01E+06	ca 0 1	27	0000027			63904	3218	10637	1558	3164	3705	2997	4406		
19	ACSSF	2.01E+06	ca 0 1	28	0000028			34510	1639	5057	825	2525	3032	2658	3308		
20	ACSSF	2.01E+06	ca 0 1	29	0000029			9706124	590555	1807440	286895	685733	801602	753973	752670		

- d. **Highlight** both cells H3 and I3 and **right click** to copy the formulas.

1	FILEID	FILETYPE	STRUCTURE	LOGRECNO	LOGRECNO	GEOID	Geography Name	B07401_0	B07401_1	B07401_2	B07401_3	B07401_4	B07401_5	B07401_6	B07401_7	B07401_8	B07401_9
2	FILEID	FILETYPE	STRUCTURE	LOGRECNO	LOGRECNO	GEOID	Geography Name	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati	Populati
3	ACSSF	2.01E+06	ca 0 1	1	0000001	04000US06	California	35914126	2190758	6699737	1063624	2575775	2730510	2535820	2629451	2629451	2629451
4	ACSSF	2.01E+06	ca 0 1	13	0000013							88514	114696	114071	113925		
5	ACSSF	2.01E+06	ca 0 1	14	0000014							1893	1644	1723	2451		
6	ACSSF	2.01E+06	ca 0 1	15	0000015							28589	12007	8875	11306		
7	ACSSF	2.01E+06	ca 0 1	16	0000016							2679	1979	1499	1785		
8	ACSSF	2.01E+06	ca 0 1	17	0000017												
9	ACSSF	2.01E+06	ca 0 1	18	0000018							61276	60744	59006	71006		
10	ACSSF	2.01E+06	ca 0 1	19	0000019							1850	1873	1901	1934		
11	ACSSF	2.01E+06	ca 0 1	20	0000020							8868	8208	8157	9957		
12	ACSSF	2.01E+06	ca 0 1	21	0000021							70870	74046	60914	58142		
13	ACSSF	2.01E+06	ca 0 1	22	0000022												
14	ACSSF	2.01E+06	ca 0 1	23	0000023							14696	9189	7055	7189		
15	ACSSF	2.01E+06	ca 0 1	24	0000024							12608	11354	10131	10074		
16	ACSSF	2.01E+06	ca 0 1	25	0000025							56760	57171	51525	49650		
17	ACSSF	2.01E+06	ca 0 1	26	0000026							13115	12398	11516	12333		
18	ACSSF	2.01E+06	ca 0 1	27	0000027							3164	3705	2997	4406		
19	ACSSF	2.01E+06	ca 0 1	28	0000028							2525	3032	2658	3308		
20	ACSSF	2.01E+06	ca 0 1	29	0000029							685733	801602	753973	752670		

- e. Copy and paste the formulas down the H3 and I3 columns to the last row of the data.

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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
1	FILEID	FILETYPE	ST	CS	LOGRECNO	LOGRECNO	GEOID	Geography Name	B07401_0	B07401_1	B07401_2	B07401_3	B07401_4	B07401_5	B07401_6	
2	FILEID	FILETYPE	B	R	LOGRECNO	LOGRECNO	GEOID	Geography Name	Populatio	Populati	Populati	Populati	Populati	Populati	Populati	
3	ACSSF	2.01E+06	ca	0	1	1	0000001	04000US06	California	35914126	2190758	6699737	1063624	2575775	2730510	253
4	ACSSF	2.01E+06	ca	0	1	13	0000013	05000US06001	Alameda County, California	1437687	83440	238430	35525	88514	114696	114
5	ACSSF	2.01E+06	ca	0	1	14	0000014	05000US06005	Amador County, California	38663	1109	5460	1076	1893	1644	.
6	ACSSF	2.01E+06	ca	0	1	15	0000015	05000US06007	Butte County, California	212883	9670	33507	7930	28589	12007	8
7	ACSSF	2.01E+06	ca	0	1	16	0000016	05000US06009	Calaveras County, California	46436	1595	7170	1051	2679	1979	.
8	ACSSF	2.01E+06	ca	0	1	17	0000017	05000US06011	Colusa County, California	.	.	.	.	.	.	.
9	ACSSF	2.01E+06	ca	0	1	18	0000018	05000US06013	Contra Costa County, California	1011548	55839	190330	29783	61276	60744	59
10	ACSSF	2.01E+06	ca	0	1	19	0000019	05000US06015	Del Norte County, California	28492	1431	4944	959	1850	1873	.
11	ACSSF	2.01E+06	ca	0	1	20	0000020	05000US06017	El Dorado County, California	175652	8684	30988	5148	8868	8208	8
12	ACSSF	2.01E+06	ca	0	1	21	0000021	05000US06019	Fresno County, California	884573	65634	192065	28611	70870	74046	60
13	ACSSF	2.01E+06	ca	0	1	22	0000022	05000US06021	Glenn County, California	.	.	.	.	.	.	.
14	ACSSF	2.01E+06	ca	0	1	23	0000023	05000US06023	Humboldt County, California	125157	6007	17968	3491	14696	9189	.
15	ACSSF	2.01E+06	ca	0	1	24	0000024	05000US06025	Imperial County, California	159688	12281	34350	6251	12608	11354	10
16	ACSSF	2.01E+06	ca	0	1	25	0000025	05000US06029	Kern County, California	765026	57687	174744	25895	56760	57171	50
17	ACSSF	2.01E+06	ca	0	1	26	0000026	05000US06031	Kings County, California	140796	10575	27618	4456	13115	12398	10
18	ACSSF	2.01E+06	ca	0	1	27	0000027	05000US06033	Lake County, California	63904	3218	10637	1558	3164	3705	.
19	ACSSF	2.01E+06	ca	0	1	28	0000028	05000US06035	Lassen County, California	34510	1639	5057	825	2525	3032	.
20	ACSSF	2.01E+06	ca	0	1	29	0000029	05000US06037	Los Angeles County, California	9706124	590555	1807440	286895	685733	801602	75

10) Repeat steps 1 through 10 to obtain the margin of errors for the same sequence for California.

4 User References

4.1 Detailed Tables for the 2012 ACS 1-Year Estimates

It contains information on all detailed tables included in the 2012 ACS 1-year Summary File. The table list is located in [Appendix E](#).

4.2 2012 ACS 1-Year Summary Levels/Components For Detailed Tables

It contains a list of the summary levels and components that are included in the 2012 ACS 1-Year Detailed Tables. The list is located in Appendix F.

4.3 Sequence Number and Table Number Lookup

It contains information on the relationship between the sequences and the tables, and indicates the relationship between the sequences and the subject areas. The Sequence Number and Table Number Lookup is available in Excel, text, and SAS dataset format, and is located here: www2.census.gov/acs2012_1yr/summaryfile/.

4.4 Table Shells List

It contains Table ID, Line Number, Unique ID (table ID + Line Number) and stub. The table shells list is located on the following site: www2.census.gov/acs2012_1yr/summaryfile/.

4.5 Excel Geography File

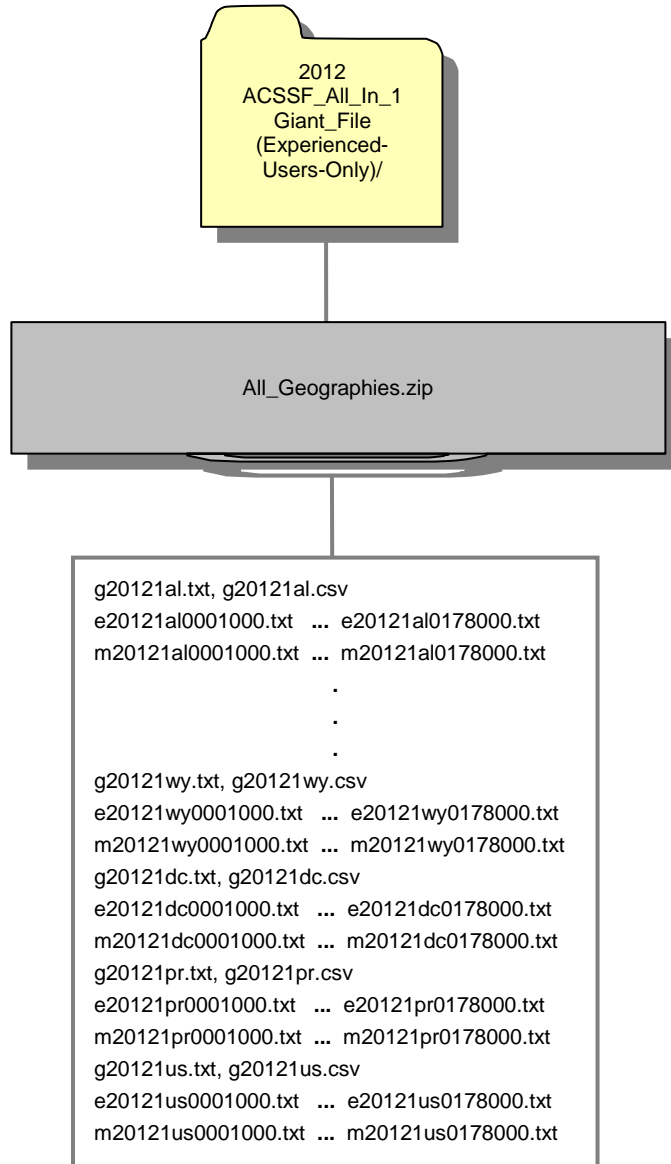
It contains logical record numbers (LOGRECNO), geography ID, and geographic labels by state. There are total of 53 tabs in the spreadsheet: one for each state, the District of Columbia and Puerto Rico, and one for geographies that cross state boundaries. The mini geography file list is located on the following site: www2.census.gov/acs2012_1yr/summaryfile/UserTools/Geography/.

Appendix A: Supplemental Documentation

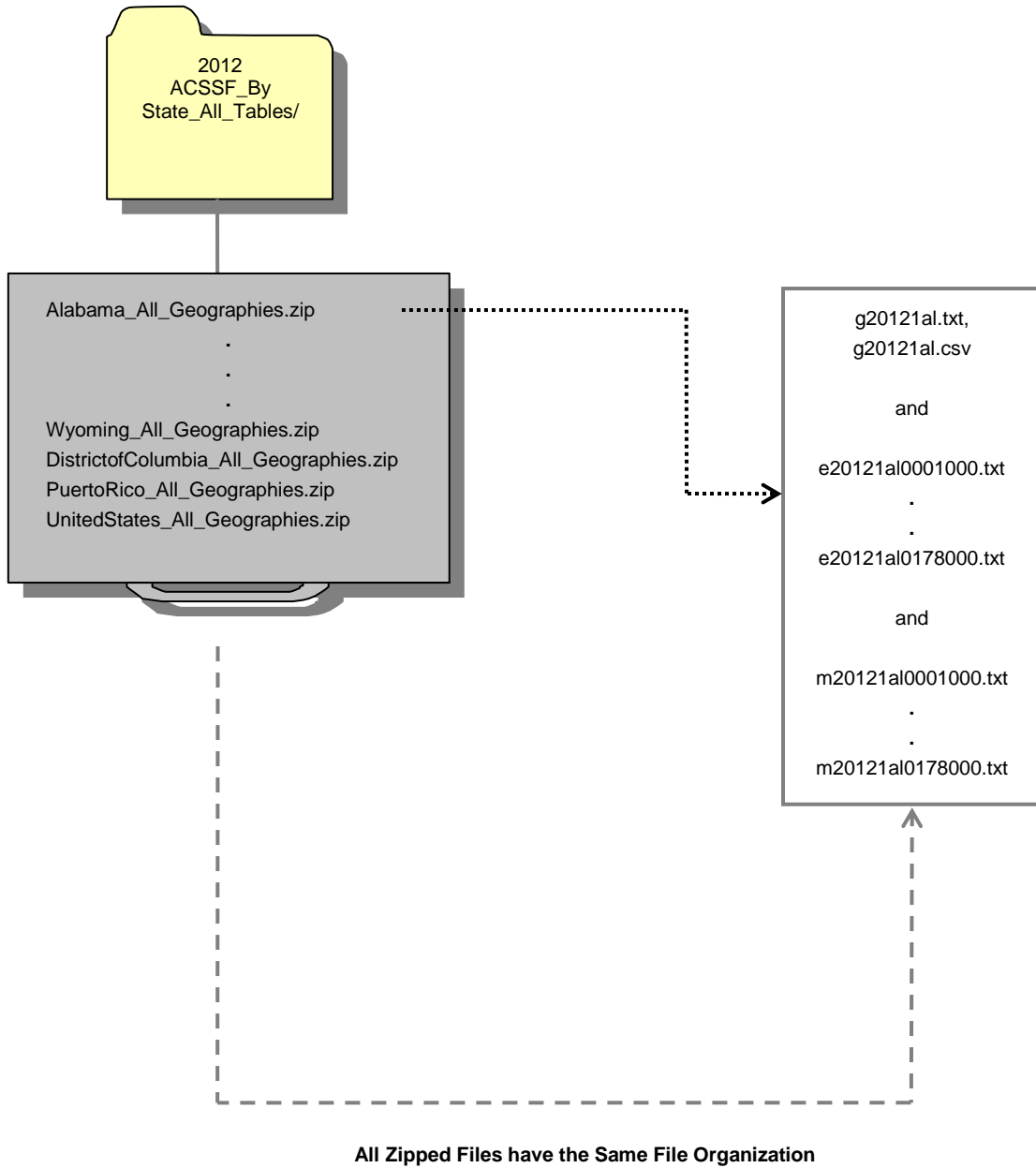
Supplemental documentation concerning the American Community Survey, to assist users using this technical document, is located on the ACS Website at: www.census.gov/acs/www/data_documentation/documentation_main/. Documents such as the Subject Definitions, Accuracy of the Data, and Code Lists are available on the URL listed above.

Appendix B: Graphical Representation of ACS Summary File Organization

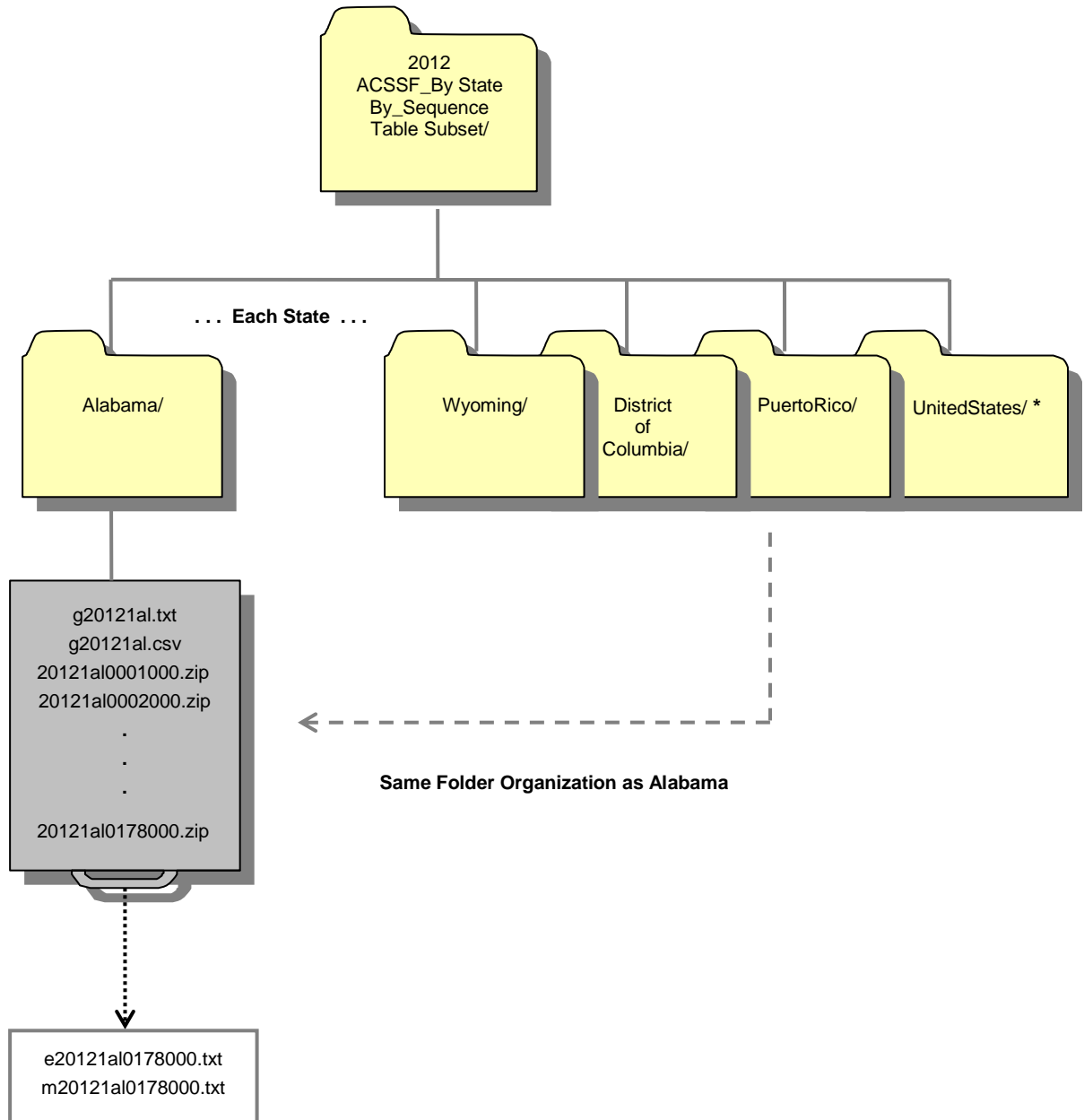
B.1 2012 ACSSF All In 1 Giant File (Experienced-Users-Only)



B.2 2012 ACSSF By State All Tables



B.3 2012 ACSSF By State By Sequence Table Subset



* The United States folder contains tables for summary levels that cross state boundaries, such as the nation, regions, divisions, metropolitan statistical areas and tribal reservations. It does not contain tables for geographies that are entirely within a state, such as counties and places; for those tables, go to the folder for that state.

Appendix C: User Notes

C.1 Population Thresholds

The Census Bureau publishes data for 1-year, 3-year, and 5-year estimates, with population thresholds set for the 1-year and 3-year estimates to produce reliable data. Here is a brief comparison of the three types of estimates:

1-Year Estimates	3-Year Estimates	5-Year Estimates
<ul style="list-style-type: none"> Published for selected geographic areas with populations of 65,000 or greater Represent the average characteristics over a calendar year Have fewer published geographic areas than the 3-year and 5-year estimates 	<ul style="list-style-type: none"> Published for selected geographic areas with populations of 20,000 or greater Represent the average characteristics over the 3-year period of time Have more published geographic areas than the 1-year estimates but fewer than the 5-year estimates 	<ul style="list-style-type: none"> Published for all geographic areas including those with a population under 20,000. Represent the average characteristics over the 5-year period of time Have more published areas than the 1-year and 3-year estimates

For more information on the ACS estimates, users are encouraged to visit the ACS website www.census.gov/acs/www/guidance_for_data_users/estimates/.

C.2 Geography Restrictions

For data quality and geographic reasons, some tables are published with specific geography restrictions. For example, the table B05001-PR, Citizenship Status in Puerto Rico, is produced for Puerto Rico only, and the table B08501, Means Of Transportation To Work By Age For Workplace Geography, is only produced for the work place geographies. [Appendix E](#) has a complete list of tables and their geography restrictions, and [Appendix F](#) has a complete list of ACS 1-year published summary levels and components. Other examples include the quality measures tables (the B98 series) and detailed occupation tables.

C.3 Jam Values

Some data values represent unique situations where either the information to be conveyed is an explanation for the absence of data, represented by a symbol in the data display, such as "(X)", or the information to be conveyed is an open-ended distribution, such as 115 or greater, represented by 115+.

The following special data values can appear in the ACS Summary File table as an explanation for the absence of data:

- Missing Value = “,”

A missing string indicates that the estimate is unavailable. (This appears in the estimates and margins or error files as two commas adjacent to each other without anything between them, or if the last cell in a data file is filtered then you get a comma followed immediately by a carriage return or EOF.) A missing value indicates when an estimate is missing because of filtering for geographic restrictions, coefficients of variations (CV), or was removed due to the Disclosure Review Board’s (DRB) requirements. For more detail on filtering, please see [Appendix C.5](#).

- Dot = “.”

A dot indicates when the estimate has no sample observations or too few sample observations. In the margin of error files, this value could also indicate that the margin of error is unavailable for a median estimate that has been replaced with a jam value.

- Zero = “0”

A “0” entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate. This is similar to the “*****” symbol used in American FactFinder.

- Negative 1 = “-1”

This indicates that an estimate does not contain a Margin of Error. Tables B00001, B00002, and tables starting with B98 and B99 do not have margin of error (MOE) associated with them. The MOE calculations are set to -1 for these tables.

- Jam Values for Medians

The following is a listing of the jam values for medians. For example, if there is an estimate of "2499" for table B10010, then it does not indicate a dollar amount. It means that the median is somewhere below 2,500 and thus isn't calculated.

Jam Value	Actual Meaning	Use for Medians
0	1 or less	Age, Duration of Marriage
9	9.0 or more	Rooms
10	10.0 or less	Gross Rent as Percentage of Income, Owner Costs as Percentage of Income
50	50.0 or more	Gross Rent as Percentage of Income, Owner Costs as Percentage of Income
99	100 or less	Rent, Gross Rent, Selected Monthly Owner Costs, Monthly Housing Costs
101	101 or more	Duration of Marriage
116	115 or more	Age
199	200 or less	Tax
1001	1,000 or more	Selected Monthly Owner Costs

Jam Value	Actual Meaning	Use for Medians
1939	1939 or earlier	Year Built
1969	1969 or earlier	Year Moved In
2001	2,000 or more	Rent, Gross Rent
2005	2005 or later	Year Built, Year Moved In
2499	2,500 or less	Income, Earnings
4001	4,000 or more	Selected Monthly Owner Costs, Monthly Housing Costs
9999	10,000 or less	Value
10001	10,000 or more	Tax
200001	200,000 or more	Income
250001	250,000 or more	Income, Earnings
1000001	1,000,000 or more	Value

C.4 Rounding Rules and Margins of Error

B00001, B00002, B98001, and B98002 are sample counts, not estimates, and do not have margin of error (MOE) associated with them. Tables in series B99* imputation tables and B98* quality measure tables do not provide margin of error calculations. The margin of error calculations are set to -1 for these tables.

There are a few special rules on how certain margin of error are determined for ACS estimates. The accuracy of the estimate (decimal place) within the detailed tables determines how many digits the margin of error is rounded.

C.5 Data Release Filtering Rules

Filtering rules, based on statistical reliability of the survey estimates, are used because certain geographic areas contain detailed tables include estimates whose level of reliability is unacceptable. The data release rules for the American Community Survey data tables include the following.

Every base table consists of a series of estimates. If more than half the estimates are not statistically different from 0 (at a 90 percent confidence level), then the table fails. Each estimate is subject to sampling variability that is summarized by its standard error. Dividing the standard error by the estimate yields the coefficient of variation (CV) for each of the estimates. (If the estimate is 0, a CV of 100 percent is assigned.) To implement this requirement for each table at a given geographic area, CVs are calculated for each of the table's estimates, and the median CV value is determined. If the median CV value for the table is less than or equal to 61 percent, the table passes for that geographic area; if it is greater than 61 percent, the table fails. Tables that are too sparse will fail this test. In that case, the table will not be published for that geographic area. Whenever a table fails, a simpler table that collapses some of the detailed lines together can be substituted for the original, more detailed table. The rules are then applied to the simpler table. If it passes, the simpler table is released. If it fails, none of the estimates for that particular

table is released for this geographic area. These rules are applied to single-year period estimates and multi-year period estimates based on three years of sample data.

C.6 Display of Estimates

The estimates in the summary files are stored using standard notation instead of in scientific notation. The estimates are stored as whole numbers. The largest estimate in a Summary File contains 14 digits.

C.7 Multiple Sequences For a Table

There are eight tables with more than the maximum 245 cells that cannot fit into a single sequence, so each of these tables is broken into multiple sequence files. The table below shows the tables that contain multiple sequences:

Tables That Are Contained in More Than One Sequence File

Table ID	Table Title	Sequences
B24010	Sex By Occupation For The Civilian Employed Population 16 Years And Over	116, 117
B24020	Sex By Occupation For The Full-Time, Year-Round Civilian Employed Population 16 Years And Over	122, 123
B24121	Detailed Occupation By Median Earnings In The Past 12 Months For The Full-Time, Year-Round Civilian Employed Population 16 Years And Over	133, 134, 135
B24122	Detailed Occupation By Median Earnings In The Past 12 Months For The Full-Time, Year-Round Civilian Employed Male Population 16 Years And Over	136, 137, 138
B24123	Detailed Occupation For The Full-Time, Year Round Civilian Employed Population 16 Years And Over	139, 140, 141
B24124	Detailed Occupation For The Full-Time, Year Round Civilian Employed Male Population 16 Years And Over	142, 143, 144
B24125	Detailed Occupation For The Full-Time, Year Round Civilian Employed Male Population 16 Years And Over	145, 146, 147
B24126	Detailed Occupation For The Full-Time, Year Round Civilian Employed Female Population 16 Years And Over	148, 149, 150

The last six tables on the list are only produced at the United States national level (summary level 010), and the files for these sequences will be blank for all other summary levels.

C.8 Explanation of Missing Estimates

Data users often question why certain American Community Survey (ACS) estimates are not available. Missing estimates can be caused by data suppression through various methods or restrictions that are applied to ACS data to limit the disclosure of information about individual respondents and to reduce estimates with unacceptable statistical reliability. The factors contributing to the data suppression include:

- Population thresholds (more information in section C1)
- Geographic restrictions for tables (more information in section C2)
- Data quality filtering (more information in section C5)
- Collapsed tables: ACS produces and releases two types of Detailed Tables, base tables and collapsed tables. The collapsed tables were introduced in an attempt to release more data to the public because many of the corresponding base tables were failing data quality filtering. Users may see the collapsed tables without counterpart detailed tables.
- DRB rules: Disclosure Review Board (DRB) establishes additional rules that specify what ACS data are released to ensure that the confidentiality of the individual's data are protected.
- Table cells and table topic restrictions: Table with more than 100 independent cells or tables with sensitive topics that could lead to disclosure risks are not allowed at the block group level.
- Table suppression for specific geographies: During the data review period, subject matter analysts may identify errors in microdata which occurred during data collection or early data processing and impacted tables and associated geographic areas. To avoid releasing unreliable estimates, one method used is to suppress tables for affected geographic areas at the last stage of the dissemination from being released to the public. Table suppression is documented in errata notes on the ACS Website on:
http://www.census.gov/acs/www/data_documentation/errata/

Additional information concerning data suppression is available on the ACS website on:
<http://www.census.gov/acs/www/>.

Appendix D: Examples

D.1 Creating a Table

The following 5-year Summary File example is also applicable to the 1-year Summary File. Let's say that you want to create Table B08406, "Sex of Workers by Means of Transportation to Work for Workplace Geography," for the state of Alaska. Which files do you need? How do you read the files?

You will need three files:

- 1) The `Sequence_Number_and_Table_Number_Lookup.xls` spreadsheet
- 2) The zipped file `20095ak0003000.zip` and the data file `e20095ak0003000.txt`
- 3) The geography file (`g20095ak.txt`)

Start with the `Sequence_Number_and_Table_Number_Lookup.xls` spreadsheet. Under the "Tblid" column, look for the value "B08406". You will see that the "Sequence Number" is "0003." This means that the estimates you are looking for are in the data file "e20095ak0003000.txt". How do you know this is the right file? You know this from the name of the file: the "e" stands for estimate, "2009" is the year, "5" means that these are 5-year estimates, "ak" is the state (Alaska), and "0003" is the sequence number (which contains the data for Table B08406). Likewise, you need the "m20095ak0003000.txt" file for the margins of error. These two files will be found in a zipped file specifying that it is all geographies that are "not track (or) block groups". That is because we want the estimates and margins of error for the state level, Alaska. See [Chapter 2.5](#) for more information.

When you open the estimate file, `e20095ak0003000.txt`, you will see the following comma-delimited fields on the first line:

```
ACSSF,2009e5,ak,000,0003,0000001,333471,266201,220762,45439,36132,5602,3705,...
```

The first six fields – from "ACSSF" to "0000001" – are identifiers:

- 1) The first field tells you that this is an ACS Summary File;
- 2) The second tells you that these data are five-year estimates for the year 2005-2009 (notice the "e" before "2009" and the "5" at the end);
- 3) The third tells you the state, ie. "ak" is Alaska;
- 4) The fourth is an iteration number;
- 5) The fifth is the sequence number,
- 6) The last is a logical record code, LOGRECNO. The LOGRECNO identifies the geographic area within a state.

These identifiers begin each new line in the estimate file, and the same holds true for the margin of error files. You can compare these identifiers with those in the respective margin of error file, `m20095ak0003000.txt`.

Then use the geography file for Alaska to determine the location within the state to which the data refer. The appropriate file is `g20095ak.txt`, where "g" stands for geography, "2009" is the

year, “5” is the period estimate (in this case, 5-year estimate), and “ak” is the state. The geography file, g20095ak.txt, defines the LOGRECNO. Each LOGRECNO in this file specifies a geographic area pertaining to the state. For example, a LOGRECNO of “0000001” means the state of Alaska; a LOGRECNO of “0000002” means just the urban areas in Alaska; a LOGRECNO of “0000003” refers to just rural areas in Alaska. (Each state geography file also contains the lower-case FIPS State Code.) Please be aware that each state has its own geography file. For more information, see [Chapter 2.4](#).

Glancing back at the Sequence Number and Table Number Lookup file, you will see that Table 08406 in sequence “0003” begins at the seventh position. From this point forward, for 51 fields (indicated on the same file), each field corresponds to the value of a “line number” in the table. So, field number seven, the 333471 value, corresponds to line number one, which is “Total”. Field number eight, the 266201 value, refers to line number two, which is “Car, Truck, or Van.” Field number nine, the 220762 value, corresponds to line number three, which is “Drove alone.” This continues all the way up to line number 51, at which point Table B08406 ends.

Were you to read all these files into a computer program using software such as SAS, you could translate the first nine fields of e20095ak0003000.txt as follows:

TABLE B08406: SEX OF WORKERS BY MEANS OF TRANSPORTATION TO WORK FOR WORKPLACE GEOGRAPHY

FILEID	FILE TYPE	STUSAB	CHARITER	SEQUENCE	LOGRECNO	Total	Car, Truck, or Van	Drove Alone
ACSSF	2009e5	ak	000	0003	0000001	333471	266201	220762
ACSSF	2009e5	ak	000	0003	0000013	2440	340	252
ACSSF	2009e5	ak	000	0003	0000014	5266	1046	620
ACSSF	2009e5	ak	000	0003	0000015	151263	135626	114936
ACSSF	2009e5	ak	000	0003	0000016	6421	2455	1586

Merging the geography file, the table shell, and the estimate and margin of error files together creates an excerpt of Table B08406, shown below:

Table ID	Line Number	Sequence Number	Table Title	Estimates	Margin of Error
B08406		003	SEX OF WORKERS BY MEANS OF TRANSPORTATION TO WORK FOR WORKPLACE GEOGRAPHY		
B08406		003	Universe: Workers 16 years and over		
B08406	1	003	Total:	333,471	+/-2,630
B08406	2	003	Car, truck, or van:	266,201	+/-2,589
B08406	3	003	Drove alone	220,762	+/-2,439
B08406	4	003	Carpooled:	45,439	+/-1,795
B08406	5	003	In 2-person carpool	36,132	+/-1,596

D.2 Creating a Table Using SAS

Here is an example of how to access the Summary Files for one table for all geographies from the ACS summary file. The following 5-year Summary File example is also applicable to the 1-year Summary File.

Question: I am interested in downloading table B01001 for all published ACS geographies, how would I do this?

- 1) Go to the Sequence Number and Detailed Table Number Lookup File ([Chapter 2.3](#)) to locate sequence number for table B01001. There are Excel and SAS dataset versions of the file. They are available at www2.census.gov/acs2012_5yr/summaryfile
- 2) Use the Summary File SAS Example Macros located at www2.census.gov/acs2012_5yr/summaryfile/UserTools/. Run the macro:

```
%TableShell (B01001) ;
```

This macro will provide metadata information on a given table, in this case B01001.

- 3) The following SAS dataset will be created with information about table B01001:

Table ID	Sequence Number	Line Number	Start Position	Total Cells in Table	Total Cells in Sequence	Table Title
B01001	0013		7	49 CELLS		SEX BY AGE
B01001	0013					Universe: Total population
B01001	0013	1				Total:
B01001	0013	2				Male:
B01001	0013	3				Under 5 years
B01001	0013	47				75 to 79 years
B01001	0013	48				80 to 84 years
B01001	0013	49				85 years and over

We can see that table B01001 is located in Sequence 0013; this applies to all published geographies.

- 4) We can read into SAS all tables in the 0013 sequence by running the SAS Example Macros:

```
%CallSt;
```

This macro will run a do loop creating State two-digit abbreviations, which will allow a simple way to read the Summary Files into SAS for all geographies. Each time a valid two digit state abbreviation is created, the macro `%AllSeqs` is run with the two digit state abbreviation.

The **%AllSeqs** Macro performs the following tasks:

- A. Read the geographic header file - **%AnyGeo** Macro.
 - B. There is a do loop to allow you to choose which sequences you would like to read in for example if you wanted sequence 0010 set the loop to be `do x=13 %to 13;` - The 0 values will be filled in.
 - C. Within the do loop the following macros will be executed:
 - a. **%TablesBySeq;** -- This will give information about the whole 0003 sequence, not just table B01001.
 - b. **%ReadDataFile** – This macro is called two times once for each type of estimate. This macro will generate and run SAS code for each sequence specified in the do loop in step 2 and for each geography specified in the **%Callst** macro.
 - c. Lastly, there is a merge statement that will merge together each of the three types of estimates and the geography header file by sequence number per geography.
- 5) You now will have all tables in the 0013 sequence read into SAS in the following dataset names, if the code is not modified, in the work directory Sf0013<st two-digit abbrev>.sas7bdat.

Appendix E: Detailed Tables for the 2012 ACS 1-Year Estimates

Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
B00001	Unweighted Sample Count Of The Population		1	7-7
B00002	Unweighted Sample Housing Units		1	8-8
B01001	Sex By Age		2	7-55
B01001A	Sex By Age (White Alone)		2	56-86
B01001B	Sex By Age (Black Or African American Alone)		2	87-117
B01001C	Sex By Age (American Indian And Alaska Native Alone)		2	118-148
B01001D	Sex By Age (Asian Alone)		2	149-179
B01001E	Sex By Age (Native Hawaiian And Other Pacific Islander Alone)		2	180-210
B01001F	Sex By Age (Some Other Race Alone)		2	211-241
B01001G	Sex By Age (Two Or More Races)		3	7-37
B01001H	Sex By Age (White Alone, Not Hispanic Or Latino)		3	38-68
B01001I	Sex By Age (Hispanic Or Latino)		3	69-99
B01002	Median Age By Sex		3	100-102
B01002A	Median Age By Sex (White Alone)		3	103-105
B01002B	Median Age By Sex (Black Or African American Alone)		3	106-108
B01002C	Median Age By Sex (American Indian And Alaska Native)		3	109-111
B01002D	Median Age By Sex (Asian Alone)		3	112-114
B01002E	Median Age By Sex (Native Hawaiian And Other Pacific Islander Alone)		3	115-117
B01002F	Median Age By Sex (Some Other Race Alone)		3	118-120
B01002G	Median Age By Sex (Two Or More Races)		3	121-123
B01002H	Median Age By Sex (White Alone, Not Hispanic Or Latino)		3	124-126
B01002I	Median Age By Sex (Hispanic Or Latino)		3	127-129
B01003	Total Population		3	130-130
C01001A	Sex By Age (White Alone)		3	131-139
C01001B	Sex By Age (Black Or African American Alone)		3	140-148
C01001C	Sex By Age (American Indian And Alaska Native Alone)		3	149-157
C01001D	Sex By Age (Asian Alone)		3	158-166
C01001E	Sex By Age (Native Hawaiian And Other Pacific Islander Alone)		3	167-175
C01001F	Sex By Age (Some Other Race Alone)		3	176-184
C01001G	Sex By Age (Two Or More Races)		3	185-193
C01001H	Sex By Age (White Alone, Not Hispanic Or Latino)		3	194-202
C01001I	Sex By Age (Hispanic Or Latino)		3	203-211
B02001	Race		4	7-16
B02003	Detailed Race	US Only	4	17-87
B02008	White Alone Or In Combination With One Or More Other Races		4	88-88

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
B02009	Black Or African American Alone Or In Combination With One Or More Other Races		4	89-89
B02010	American Indian And Alaska Native Alone Or In Combination With One Or More Other Races		4	90-90
B02011	Asian Alone Or In Combination With One Or More Other Races		4	91-91
B02012	Native Hawaiian And Other Pacific Islander Alone Or In Combination With One Or More Other Races		4	92-92
B02013	Some Other Race Alone Or In Combination With One Or More Other Races		4	93-93
B02014	American Indian And Alaska Native Alone For Selected Tribal Groupings	Nation and State Only	4	94-148
B02015	Asian Alone By Selected Groups	Nation and State Only	4	149-173
B02016	Native Hawaiian And Other Pacific Islander Alone By Selected Groups	Nation and State Only	4	174-185
C02003	Detailed Race		4	186-204
C02014	American Indian And Alaska Native Alone For Selected Tribal Groupings		4	205-213
C02015	Asian Alone By Selected Groups		4	214-221
C02016	Native Hawaiian And Other Pacific Islander Alone By Selected Groups		4	222-226
B02017	American Indian And Alaska Native (Aian) Alone Or In Any Combination By Selected Tribal Groupings	Nation and State Only	5	7-60
B02018	Asian Alone Or In Any Combination By Selected Groups	Nation and State Only	5	61-84
B02019	Native Hawaiian And Other Pacific Islander Alone Or In Any Combination By Selected Groups	Nation and State Only	5	85-95
B03001	Hispanic Or Latino Origin By Specific Origin		6	7-37
B03002	Hispanic Or Latino Origin By Race		6	38-58
B03003	Hispanic Or Latino Origin		6	59-61
C03001	Hispanic Or Latino Origin By Specific Origin		6	62-71
C03002	Hispanic Or Latino Origin By Race		6	72-83
B04001	First Ancestry Reported		7	7-115
C04001	First Ancestry Reported		7	116-147
B04002	Second Ancestry Reported		8	7-115
C04002	Second Ancestry Reported		8	116-147
B04003	Total Ancestry Reported		9	7-114
C04003	Total Ancestry Reported		9	115-145
B04004	People Reporting Single Ancestry		10	7-114
C04004	People Reporting Single Ancestry		10	115-145
B04005	People Reporting Multiple Ancestry		11	7-114
C04005	People Reporting Multiple Ancestry		11	115-145
B04006	People Reporting Ancestry		12	7-115
B04007	Ancestry		12	116-122
C04006	People Reporting Ancestry		12	123-154
C04007	Ancestry		12	155-159
B05001	Nativity And Citizenship Status In The United States	US Only	13	7-12
B05001PR	Nativity And Citizenship Status In Puerto Rico	PR Only	13	13-18
B05002	Place Of Birth By Nativity And Citizenship Status		13	19-33
B05003	Sex By Age By Nativity And Citizenship Status		13	34-56
B05003A	Sex By Age By Nativity And Citizenship Status (White Alone)		13	57-79

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
B05003B	Sex By Age By Nativity And Citizenship Status (Black Or African American Alone)		13	80-102
B05003C	Sex By Age By Nativity And Citizenship Status (American Indian And Alaska Native Alone)		13	103-125
B05003D	Sex By Age By Nativity And Citizenship Status (Asian Alone)		13	126-148
B05003E	Sex By Age By Nativity And Citizenship Status (Native Hawaiian And Other Pacific Islander Alone)		13	149-171
B05003F	Sex By Age By Nativity And Citizenship Status (Some Other Race Alone)		13	172-194
B05003G	Sex By Age By Nativity And Citizenship Status (Two Or More Races)		13	195-217
C05001	Nativity And Citizenship Status In The United States	US Only	13	218-222
C05002	Place Of Birth By Nativity		13	223-230
B05003H	Sex By Age By Nativity And Citizenship Status (White Alone, Not Hispanic Or Latino)		14	7-29
B05003I	Sex By Age By Nativity And Citizenship Status (Hispanic Or Latino)		14	30-52
B05004	Median Age By Nativity And Citizenship Status By Sex		14	53-67
B05005	Year Of Entry By Nativity And Citizenship Status In The United States	US Only	14	68-88
C05003	Sex By Age By Nativity		14	89-103
C05003A	Sex By Age By Nativity (White Alone)		14	104-118
C05003B	Sex By Age By Nativity (Black Or African American Alone)		14	119-133
C05003C	Sex By Age By Nativity (American Indian And Alaska Native Alone)		14	134-148
C05003D	Sex By Age By Nativity (Asian Alone)		14	149-163
C05003E	Sex By Age By Nativity (Native Hawaiian And Other Pacific Islander Alone)		14	164-178
C05003F	Sex By Age By Nativity (Some Other Race Alone)		14	179-193
C05003G	Sex By Age By Nativity (Two Or More Races)		14	194-208
C05003H	Sex By Age By Nativity (White Alone, Not Hispanic Or Latino)		14	209-223
C05003I	Sex By Age By Nativity (Hispanic Or Latino)		14	224-238
C05005	Year Of Entry By Nativity In The United States	US Only	14	239-251
B05005PR	Year Of Entry By Nativity And Citizenship Status In Puerto Rico	PR Only	15	7-27
B05006	Place Of Birth For The Foreign-Born Population In The United States	US Only	15	28-187
C05005PR	Year Of Entry By Nativity In Puerto Rico	PR Only	15	188-200
B05006PR	Place Of Birth For The Foreign-Born Population In Puerto Rico	PR Only	16	7-52
B05007	Place Of Birth By Year Of Entry By Citizenship Status For The Foreign-Born Population		16	53-146
C05006	Place Of Birth For The Foreign-Born Population		16	147-214
B05008	Sex By Place Of Birth By Year Of Entry For The Foreign-Born Population		17	7-75
B05009	Age And Nativity Of Own Children Under 18 Years In Families And Subfamilies By Number And Nativity Of Parents		17	76-112
C05007	Place Of Birth By Year Of Entry By Citizenship Status For The Foreign-Born Population		17	113-169
C05008	Sex By Place Of Birth By Year Of Entry For The Foreign-Born Population		17	170-220
C05009	Age And Nativity Of Own Children Under 18 Years In Families And Subfamilies By Nativity Of Parents		17	221-235
B05010	Ratio Of Income To Poverty Level In The Past 12 Months By Nativity Of Children Under 18 Years In Families And Subfamilies By Living Arrangements And Nativity Of Parents		18	7-31
B05011	Period Of Naturalization		18	32-42
B05012	Nativity In The United States	US Only	18	43-45
B05012PR	Nativity In Puerto Rico	PR Only	18	46-48

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
C05010	Ratio Of Income To Poverty Level In The Past 12 Months By Nativity Of Children Under 18 Years In Families And Subfamilies By Nativity Of Parents		18	49-55
C05011	Period Of Naturalization		18	56-61
B06001	Place Of Birth By Age In The United States	US Only	19	7-66
B06001PR	Place Of Birth By Age In Puerto Rico	PR Only	19	67-126
B06002	Median Age By Place Of Birth In The United States	US Only	19	127-131
B06002PR	Median Age By Place Of Birth In Puerto Rico	PR Only	19	132-136
B06003	Place Of Birth By Sex In The United States	US Only	19	137-151
C06001	Place Of Birth By Age In The United States	US Only	19	152-196
C06001PR	Place Of Birth By Age In Puerto Rico	PR Only	19	197-233
C06003	Place Of Birth By Sex In The United States	US Only	19	234-246
B06003PR	Place Of Birth By Sex In Puerto Rico	PR Only	20	7-21
B06004A	Place Of Birth (White Alone) In The United States	US Only	20	22-26
B06004APR	Place Of Birth (White Alone) In Puerto Rico	PR Only	20	27-31
B06004B	Place Of Birth (Black Or African American Alone) In The United States	US Only	20	32-36
B06004BPR	Place Of Birth (Black Or African American Alone) In Puerto Rico	PR Only	20	37-41
B06004C	Place Of Birth (American Indian And Alaska Native Alone) In The United States	US Only	20	42-46
B06004CPR	Place Of Birth (American Indian And Alaska Native Alone) In Puerto Rico	PR Only	20	47-51
B06004D	Place Of Birth (Asian Alone) In The United States	US Only	20	52-56
B06004DPR	Place Of Birth (Asian Alone) In Puerto Rico	PR Only	20	57-61
B06004E	Place Of Birth (Native Hawaiian And Other Pacific Islander Alone) In The United States	US Only	20	62-66
B06004EPR	Place Of Birth (Native Hawaiian And Other Pacific Islander Alone) In Puerto Rico	PR Only	20	67-71
B06004F	Place Of Birth (Some Other Race Alone) In The United States	US Only	20	72-76
B06004FPR	Place Of Birth (Some Other Race Alone) In Puerto Rico	PR Only	20	77-81
B06004G	Place Of Birth (Two Or More Races) In The United States	US Only	20	82-86
B06004GPR	Place Of Birth (Two Or More Races) In Puerto Rico	PR Only	20	87-91
B06004H	Place Of Birth (White Alone, Not Hispanic Or Latino) In The United States	US Only	20	92-96
B06004HPR	Place Of Birth (White Alone, Not Hispanic Or Latino) In Puerto Rico	PR Only	20	97-101
B06004I	Place Of Birth (Hispanic Or Latino) In The United States	US Only	20	102-106
B06004IPR	Place Of Birth (Hispanic Or Latino) In Puerto Rico	PR Only	20	107-111
B06007	Place Of Birth By Language Spoken At Home And Ability To Speak English In The United States	US Only	20	112-151
B06007PR	Place Of Birth By Language Spoken At Home And Ability To Speak English In Puerto Rico	PR Only	20	152-191
C06003PR	Place Of Birth By Sex In Puerto Rico	PR Only	20	192-204
C06007	Place Of Birth By Language Spoken At Home And Ability To Speak English In The United States	US Only	20	205-229
B06008	Place Of Birth By Marital Status In The United States	US Only	21	7-36
B06008PR	Place Of Birth By Marital Status In Puerto Rico	PR Only	21	37-66
B06009	Place Of Birth By Educational Attainment In The United States	US Only	21	67-96
B06009PR	Place Of Birth By Educational Attainment In Puerto Rico	PR Only	21	97-126
C06007PR	Place Of Birth By Language Spoken At Home And Ability To Speak English In Puerto Rico	PR Only	21	127-151

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
C06008	Place Of Birth By Marital Status In The United States	US Only	21	152-176
C06008PR	Place Of Birth By Marital Status In Puerto Rico	PR Only	21	177-201
B06010	Place Of Birth By Individual Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) In The United States	US Only	22	7-61
B06010PR	Place Of Birth By Individual Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) In Puerto Rico	PR Only	22	62-116
B06011	Median Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Place Of Birth In The United States	US Only	22	117-121
B06011PR	Median Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Place Of Birth In Puerto Rico	PR Only	22	122-126
B06012	Place Of Birth By Poverty Status In The Past 12 Months In The United States	US Only	22	127-146
B06012PR	Place Of Birth By Poverty Status In The Past 12 Months In Puerto Rico	PR Only	22	147-166
C06010PR	Place Of Birth By Individual Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) In Puerto Rico	PR Only	22	167-213
B07001	Geographical Mobility In The Past Year By Age For Current Residence In The United States	US Only	23	7-102
C07001	Geographical Mobility In The Past Year By Age For Current Residence In The United States	US Only	23	103-162
B07001PR	Geographical Mobility In The Past Year By Age For Current Residence In Puerto Rico	PR Only	24	7-102
B07002	Median Age By Geographical Mobility In The Past Year For Current Residence In The United States	US Only	24	103-108
B07002PR	Median Age By Geographical Mobility In The Past Year For Current Residence In Puerto Rico	PR Only	24	109-114
B07003	Geographical Mobility In The Past Year By Sex For Current Residence In The United States	US Only	24	115-132
B07003PR	Geographical Mobility In The Past Year By Sex For Current Residence In Puerto Rico	PR Only	24	133-150
B07004A	Geographical Mobility In The Past Year (White Alone) For Current Residence In The United States	US Only	24	151-156
B07004B	Geographical Mobility In The Past Year (Black Or African American Alone) For Current Residence In The United States	US Only	24	157-162
B07004C	Geographical Mobility In The Past Year (American Indian And Alaska Native Alone) For Current Residence In The United States	US Only	24	163-168
B07004D	Geographical Mobility In The Past Year (Asian Alone) For Current Residence In The United States	US Only	24	169-174
B07004E	Geographical Mobility In The Past Year (Native Hawaiian And Other Pacific Islander Alone) For Current Residence In The United States	US Only	24	175-180
B07004F	Geographical Mobility In The Past Year (Some Other Race Alone) For Current Residence In The United States	US Only	24	181-186
C07001PR	Geographical Mobility In The Past Year By Age For Current Residence In Puerto Rico	PR Only	24	187-246
B07004APR	Geographical Mobility In The Past Year (White Alone) For Current Residence In Puerto Rico	PR Only	25	7-12
B07004BPR	Geographical Mobility In The Past Year (Black Or African American Alone) For Current Residence In Puerto Rico	PR Only	25	13-18
B07004CPR	Geographical Mobility In The Past Year (American Indian And Alaska Native Alone) For Current Residence In Puerto Rico	PR Only	25	19-24
B07004DPR	Geographical Mobility In The Past Year (Asian Alone) For Current Residence In Puerto Rico	PR Only	25	25-30
B07004EPR	Geographical Mobility In The Past Year (Native Hawaiian And Other Pacific Islander Alone) For Current Residence In Puerto Rico	PR Only	25	31-36
B07004FPR	Geographical Mobility In The Past Year (Some Other Race Alone) For Current Residence In Puerto Rico	PR Only	25	37-42
B07004G	Geographical Mobility In The Past Year (Two Or More Races) For Current Residence In The United States	US Only	25	43-48
B07004GPR	Geographical Mobility In The Past Year (Two Or More Races) For Current Residence In Puerto Rico	PR Only	25	49-54
B07004H	Geographical Mobility In The Past Year (White Alone, Not Hispanic Or Latino) For Current Residence In The United States	US Only	25	55-60
B07004HPR	Geographical Mobility In The Past Year (White Alone, Not Hispanic Or Latino) For Current Residence In Puerto Rico	PR Only	25	61-66
B07004I	Geographical Mobility In The Past Year (Hispanic Or Latino) For Current Residence In The United States	US Only	25	67-72

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
B07004IPR	Geographical Mobility In The Past Year (Hispanic Or Latino) For Current Residence In Puerto Rico	PR Only	25	73-78
B07007	Geographical Mobility In The Past Year By Citizenship Status For Current Residence In The United States	US Only	25	79-108
B07007PR	Geographical Mobility In The Past Year By Citizenship Status For Current Residence In Puerto Rico	PR Only	25	109-138
B07008	Geographical Mobility In The Past Year By Marital Status For Current Residence In The United States	US Only	25	139-174
B07008PR	Geographical Mobility In The Past Year By Marital Status For Current Residence In Puerto Rico	PR Only	25	175-210
C07008	Geographical Mobility In The Past Year By Marital Status For Current Residence In The United States	US Only	25	211-240
B07009	Geographical Mobility In The Past Year By Educational Attainment For Current Residence In The United States	US Only	26	7-42
B07009PR	Geographical Mobility In The Past Year By Educational Attainment For Current Residence In Puerto Rico	PR Only	26	43-78
B07010	Geographical Mobility In The Past Year By Individual Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For Current Residence In The United States	US Only	26	79-144
B07010PR	Geographical Mobility In The Past Year By Individual Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For Current Residence In Puerto Rico	PR Only	26	145-210
B07011	Median Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Geographical Mobility In The Past Year For Current Residence In The United States	US Only	26	211-216
C07008PR	Geographical Mobility In The Past Year By Marital Status For Current Residence In Puerto Rico	PR Only	26	217-246
B07011PR	Median Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Geographical Mobility In The Past Year For Current Residence In Puerto Rico	PR Only	27	7-12
B07012	Geographical Mobility In The Past Year By Poverty Status In The Past 12 Months For Current Residence In The United States	US Only	27	13-36
B07012PR	Geographical Mobility In The Past Year By Poverty Status In The Past 12 Months For Current Residence In Puerto Rico	PR Only	27	37-60
B07013	Geographical Mobility In The Past Year By Tenure For Current Residence In The United States	US Only	27	61-78
B07013PR	Geographical Mobility In The Past Year By Tenure For Current Residence In Puerto Rico	PR Only	27	79-96
B07101	Movers Between Regions In The United States	US Only	27	97-156
B07201	Geographical Mobility In The Past Year For Current Residence--Metropolitan Statistical Area Level In The United States	US Only	27	157-170
B07201PR	Geographical Mobility In The Past Year For Current Residence--Metropolitan Statistical Area Level In Puerto Rico	PR Only	27	171-192
B07202	Geographical Mobility In The Past Year For Current Residence--Micropolitan Statistical Area Level In The United States	US Only	27	193-206
C07201	Geographical Mobility In The Past Year For Current Residence--Metropolitan Statistical Area Level In The United States	US Only	27	207-218
C07201PR	Geographical Mobility In The Past Year For Current Residence--Metropolitan Statistical Area Level In Puerto Rico	PR Only	27	219-234
C07202	Geographical Mobility In The Past Year For Current Residence--Micropolitan Statistical Area Level In The United States	US Only	27	235-246
B07202PR	Geographical Mobility In The Past Year For Current Residence--Micropolitan Statistical Area Level In Puerto Rico	PR Only	28	7-17
B07203	Geographical Mobility In The Past Year For Current Residence--Not Metropolitan Or Micropolitan Statistical Area Level In The United States	US Only	28	18-28
B07203PR	Geographical Mobility In The Past Year For Current Residence--Not Metropolitan Or Micropolitan Statistical Area Level In Puerto Rico	PR Only	28	29-36
B07204	Geographical Mobility In The Past Year For Current Residence--State, County And Place Level In The United States	US Only	28	37-55
B07204PR	Geographical Mobility In The Past Year For Current Residence--State, County And Place Level In Puerto Rico	PR Only	28	56-72
C07203	Geographical Mobility In The Past Year For Current Residence--Not Metropolitan Or Micropolitan Statistical Area Level In The United States	US Only	28	73-81
C07204	Geographical Mobility In The Past Year For Current Residence--State, County And Place Level In The United States	US Only	28	82-93
C07204PR	Geographical Mobility In The Past Year For Current Residence--State, County And Place Level In Puerto Rico	PR Only	28	94-102
B07401	Geographical Mobility In The Past Year By Age For Residence 1 Year Ago In The United States	Migration US Only	29	7-86

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
B07401PR	Geographical Mobility In The Past Year By Age For Residence 1 Year Ago In Puerto Rico	Migration PR Only	29	87-166
C07401	Geographical Mobility In The Past Year By Age For Residence 1 Year Ago In The United States	Migration US Only	29	167-216
B07402	Median Age By Geographical Mobility In The Past Year For Residence 1 Year Ago In The United States	Migration US Only	30	7-11
B07402PR	Median Age By Geographical Mobility In The Past Year For Residence 1 Year Ago In Puerto Rico	Migration PR Only	30	12-16
B07403	Geographical Mobility In The Past Year By Sex For Residence 1 Year Ago In The United States	Migration US Only	30	17-31
B07403PR	Geographical Mobility In The Past Year By Sex For Residence 1 Year Ago In Puerto Rico	Migration PR Only	30	32-46
B07404A	Geographical Mobility In The Past Year (White Alone) For Residence 1 Year Ago In The United States	Migration US Only	30	47-51
B07404APR	Geographical Mobility In The Past Year (White Alone) For Residence 1 Year Ago In Puerto Rico	Migration PR Only	30	52-56
B07404B	Geographical Mobility In The Past Year (Black Or African American Alone) For Residence 1 Year Ago In The United States	Migration US Only	30	57-61
B07404BPR	Geographical Mobility In The Past Year (Black Or African American Alone) For Residence 1 Year Ago In Puerto Rico	Migration PR Only	30	62-66
B07404C	Geographical Mobility In The Past Year (American Indian And Alaska Native Alone) For Residence 1 Year Ago In The United States	Migration US Only	30	67-71
B07404CPR	Geographical Mobility In The Past Year (American Indian And Alaska Native Alone) For Residence 1 Year Ago In Puerto Rico	Migration PR Only	30	72-76
B07404D	Geographical Mobility In The Past Year (Asian Alone) For Residence 1 Year Ago In The United States	Migration US Only	30	77-81
B07404DPR	Geographical Mobility In The Past Year (Asian Alone) For Residence 1 Year Ago In Puerto Rico	Migration PR Only	30	82-86
B07404E	Geographical Mobility In The Past Year (Native Hawaiian And Other Pacific Islander Alone) For Residence 1 Year Ago In The United States	Migration US Only	30	87-91
B07404EPR	Geographical Mobility In The Past Year (Native Hawaiian And Other Pacific Islander Alone) For Residence 1 Year Ago In Puerto Rico	Migration PR Only	30	92-96
B07404F	Geographical Mobility In The Past Year (Some Other Race Alone) For Residence 1 Year Ago In The United States	Migration US Only	30	97-101
B07404FPR	Geographical Mobility In The Past Year (Some Other Race Alone) For Residence 1 Year Ago In Puerto Rico	Migration PR Only	30	102-106
B07404G	Geographical Mobility In The Past Year (Two Or More Races) For Residence 1 Year Ago In The United States	Migration US Only	30	107-111
B07404GPR	Geographical Mobility In The Past Year (Two Or More Races) For Residence 1 Year Ago In Puerto Rico	Migration PR Only	30	112-116
B07404H	Geographical Mobility In The Past Year (White Alone, Not Hispanic Or Latino) For Residence 1 Year Ago In The United States	Migration US Only	30	117-121
B07404HPR	Geographical Mobility In The Past Year (White Alone, Not Hispanic Or Latino) For Residence 1 Year Ago In Puerto Rico	Migration PR Only	30	122-126
B07404I	Geographical Mobility In The Past Year (Hispanic Or Latino) For Residence 1 Year Ago In The United States	Migration US Only	30	127-131
B07404IPR	Geographical Mobility In The Past Year (Hispanic Or Latino) For Residence 1 Year Ago In Puerto Rico	Migration PR Only	30	132-136
B07407	Geographical Mobility In The Past Year By Citizenship Status For Residence 1 Year Ago In The United States	Migration US Only	30	137-161
B07407PR	Geographical Mobility In The Past Year By Citizenship Status For Residence 1 Year Ago In Puerto Rico	Migration PR Only	30	162-186
C07401PR	Geographical Mobility In The Past Year By Age For Residence 1 Year Ago In Puerto Rico	Migration PR Only	30	187-236
B07408	Geographical Mobility In The Past Year By Marital Status For Residence 1 Year Ago In The United States	Migration US Only	31	7-36
B07408PR	Geographical Mobility In The Past Year By Marital Status For Residence 1 Year Ago In Puerto Rico	Migration PR Only	31	37-66
B07409	Geographical Mobility In The Past Year By Educational Attainment For Residence 1 Year Ago In The United States	Migration US Only	31	67-96
B07409PR	Geographical Mobility In The Past Year By Educational Attainment For Residence 1 Year Ago In Puerto Rico	Migration PR Only	31	97-126
B07410	Geographical Mobility In The Past Year By Individual Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For Residence 1 Year Ago In The United States	Migration US Only	31	127-181
C07408	Geographical Mobility In The Past Year By Marital Status For Residence 1 Year Ago In The United States	Migration US Only	31	182-206

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
C07408PR	Geographical Mobility In The Past Year By Marital Status For Residence 1 Year Ago In Puerto Rico	Migration PR Only	31	207-231
B07410PR	Geographical Mobility In The Past Year By Individual Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For Residence 1 Year Ago In Puerto Rico	Migration PR Only	32	7-61
B07411	Median Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Geographical Mobility In The Past Year For Residence 1 Year Ago In The United States	Migration US Only	32	62-66
B07411PR	Median Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Geographical Mobility In The Past Year For Residence 1 Year Ago In Puerto Rico	Migration PR Only	32	67-71
B07412	Geographical Mobility In The Past Year By Poverty Status In The Past 12 Months For Residence 1 Year Ago In The United States	Migration US Only	32	72-91
B07412PR	Geographical Mobility In The Past Year By Poverty Status In The Past 12 Months For Residence 1 Year Ago In Puerto Rico	Migration PR Only	32	92-111
B07413	Geographical Mobility In The Past Year By Tenure For Residence 1 Year Ago In The United States	Migration US Only	32	112-126
B07413PR	Geographical Mobility In The Past Year By Tenure For Residence 1 Year Ago In Puerto Rico	Migration PR Only	32	127-141
B08006	Sex Of Workers By Means Of Transportation To Work		33	7-57
B08007	Sex Of Workers By Place Of Work--State And County Level		33	58-72
B08008	Sex Of Workers By Place Of Work--Place Level		33	73-87
B08009	Sex Of Workers By Place Of Work--Minor Civil Division Level For 12 Selected States (Ct, Me, Ma, Mi, Mn, Nh, Nj, Ny, Pa, Ri, Vt, Wi)		33	88-102
B08011	Sex Of Workers By Time Leaving Home To Go To Work		33	103-147
C08006	Sex Of Workers By Means Of Transportation To Work		33	148-183
C08007	Sex Of Workers By Place Of Work--State And County Level		33	184-192
C08011	Sex Of Workers By Time Leaving Home To Go To Work		33	193-225
B08012	Sex Of Workers By Travel Time To Work		34	7-45
B08013	Aggregate Travel Time To Work (In Minutes) Of Workers By Sex		34	46-48
B08014	Sex Of Workers By Vehicles Available		34	49-69
B08015	Aggregate Number Of Vehicles (Car, Truck, Or Van) Used In Commuting By Workers 16 Years And Over By Sex		34	70-72
B08016	Place Of Work For Workers 16 Years And Over--Metropolitan Statistical Area Level		34	73-95
B08017	Place Of Work For Workers 16 Years And Over--Micropolitan Statistical Area Level		34	96-118
B08018	Place Of Work For Workers 16 Years And Over--Not Metropolitan Or Micropolitan Statistical Area Level		34	119-126
B08101	Means Of Transportation To Work By Age		34	127-182
C08012	Sex Of Workers By Travel Time To Work		34	183-212
C08014	Sex Of Workers By Vehicles Available		34	213-227
C08016	Place Of Work For Workers 16 Years And Over--Metropolitan Statistical Area Level		34	228-236
C08017	Place Of Work For Workers 16 Years And Over--Micropolitan Statistical Area Level		34	237-245
C08018	Place Of Work For Workers 16 Years And Over--Not Metropolitan Or Micropolitan Statistical Area Level		34	246-251
B08103	Median Age By Means Of Transportation To Work		35	7-13
B08105A	Means Of Transportation To Work (White Alone)		35	14-20
B08105B	Means Of Transportation To Work (Black Or African American Alone)		35	21-27
B08105C	Means Of Transportation To Work (American Indian And Alaska Native Alone)		35	28-34
B08105D	Means Of Transportation To Work (Asian Alone)		35	35-41
B08105E	Means Of Transportation To Work (Native Hawaiian And Other Pacific Islander Alone)		35	42-48
B08105F	Means Of Transportation To Work (Some Other Race Alone)		35	49-55
B08105G	Means Of Transportation To Work (Two Or More Races)		35	56-62

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
B08105H	Means Of Transportation To Work (White Alone, Not Hispanic Or Latino)		35	63-69
B08105I	Means Of Transportation To Work (Hispanic Or Latino)		35	70-76
B08111	Means Of Transportation To Work By Citizenship Status		35	77-111
C08101	Means Of Transportation To Work By Age		35	112-153
C08105A	Means Of Transportation To Work (White Alone)		35	154-159
C08105B	Means Of Transportation To Work (Black Or African American Alone)		35	160-165
C08105C	Means Of Transportation To Work (American Indian And Alaska Native Alone)		35	166-171
C08105D	Means Of Transportation To Work (Asian Alone)		35	172-177
C08105E	Means Of Transportation To Work (Native Hawaiian And Other Pacific Islander Alone)		35	178-183
C08105F	Means Of Transportation To Work (Some Other Race Alone)		35	184-189
C08105G	Means Of Transportation To Work (Two Or More Races)		35	190-195
C08105H	Means Of Transportation To Work (White Alone, Not Hispanic Or Latino)		35	196-201
C08105I	Means Of Transportation To Work (Hispanic Or Latino)		35	202-207
C08111	Means Of Transportation To Work By Citizenship Status		35	208-237
B08113	Means Of Transportation To Work By Language Spoken At Home And Ability To Speak English		36	7-62
B08119	Means Of Transportation To Work By Workers' Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		36	63-125
B08121	Median Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Means Of Transportation To Work		36	126-132
B08122	Means Of Transportation To Work By Poverty Status In The Past 12 Months		36	133-160
C08113	Means Of Transportation To Work By Language Spoken At Home And Ability To Speak English		36	161-190
C08119	Means Of Transportation To Work By Workers' Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		36	191-244
B08124	Means Of Transportation To Work By Occupation		37	7-55
B08126	Means Of Transportation To Work By Industry		37	56-160
C08122	Means Of Transportation To Work By Poverty Status In The Past 12 Months		37	161-184
C08124	Means Of Transportation To Work By Occupation		37	185-226
B08128	Means Of Transportation To Work By Class Of Worker		38	7-76
B08130	Means Of Transportation To Work By Place Of Work--State And County Level		38	77-107
C08126	Means Of Transportation To Work By Industry		38	108-191
C08128	Means Of Transportation To Work By Class Of Worker		38	192-221
C08130	Means Of Transportation To Work By Place Of Work--State And County Level		38	222-247
B08131	Aggregate Travel Time To Work (In Minutes) Of Workers By Place Of Work--State And County Level		39	7-11
B08132	Means Of Transportation To Work By Time Leaving Home To Go To Work		39	12-101
B08133	Aggregate Travel Time To Work (In Minutes) Of Workers By Time Leaving Home To Go To Work		39	102-116
C08132	Means Of Transportation To Work By Time Leaving Home To Go To Work		39	117-171
C08133	Aggregate Travel Time To Work (In Minutes) Of Workers By Time Leaving Home To Go To Work		39	172-182
B08134	Means Of Transportation To Work By Travel Time To Work		40	7-126
B08135	Aggregate Travel Time To Work (In Minutes) Of Workers By Travel Time To Work		40	127-136
B08136	Aggregate Travel Time To Work (In Minutes) Of Workers By Means Of Transportation To Work		40	137-148
B08137	Means Of Transportation To Work By Tenure		40	149-169

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
C08134	Means Of Transportation To Work By Travel Time To Work		40	170-219
C08136	Aggregate Travel Time To Work (In Minutes) Of Workers By Means Of Transportation To Work		40	220-224
C08137	Means Of Transportation To Work By Tenure		40	225-242
B08141	Means Of Transportation To Work By Vehicles Available		41	7-41
B08201	Household Size By Vehicles Available		41	42-71
B08202	Household Size By Number Of Workers In Household		41	72-93
B08203	Number Of Workers In Household By Vehicles Available		41	94-123
B08301	Means Of Transportation To Work		41	124-144
C08141	Means Of Transportation To Work By Vehicles Available		41	145-174
C08201	Household Size By Vehicles Available		41	175-199
C08202	Household Size By Number Of Workers In Household		41	200-208
C08203	Number Of Workers In Household By Vehicles Available		41	209-233
C08301	Means Of Transportation To Work		41	234-244
B08302	Time Leaving Home To Go To Work		42	7-21
B08303	Travel Time To Work		42	22-34
C08302	Time Leaving Home To Go To Work		42	35-45
C08303	Travel Time To Work		42	46-55
B08406	Sex Of Workers By Means Of Transportation To Work For Workplace Geography	Place of Work Only	43	7-57
B08412	Sex Of Workers By Travel Time To Work For Workplace Geography	Place of Work Only	43	58-96
B08501	Means Of Transportation To Work By Age For Workplace Geography	Place of Work Only	43	97-152
C08406	Sex Of Workers By Means Of Transportation To Work For Workplace Geography	Place of Work Only	43	153-185
C08412	Sex Of Workers By Travel Time To Work For Workplace Geography	Place of Work Only	43	186-215
B08503	Median Age By Means Of Transportation To Work For Workplace Geography	Place of Work Only	44	7-13
B08505A	Means Of Transportation To Work For Workplace Geography (White Alone)	Place of Work Only	44	14-20
B08505B	Means Of Transportation To Work For Workplace Geography (Black Or African American Alone)	Place of Work Only	44	21-27
B08505C	Means Of Transportation To Work For Workplace Geography (American Indian And Alaska Native Alone)	Place of Work Only	44	28-34
B08505D	Means Of Transportation To Work For Workplace Geography (Asian Alone)	Place of Work Only	44	35-41
B08505E	Means Of Transportation To Work For Workplace Geography (Native Hawaiian And Other Pacific Islander Alone)	Place of Work Only	44	42-48
B08505F	Means Of Transportation To Work For Workplace Geography (Some Other Race Alone)	Place of Work Only	44	49-55
B08505G	Means Of Transportation To Work For Workplace Geography (Two Or More Races)	Place of Work Only	44	56-62
B08505H	Means Of Transportation To Work For Workplace Geography (White Alone, Not Hispanic Or Latino)	Place of Work Only	44	63-69
B08505I	Means Of Transportation To Work For Workplace Geography (Hispanic Or Latino)	Place of Work Only	44	70-76
B08511	Means Of Transportation To Work By Citizenship Status For Workplace Geography	Place of Work Only	44	77-111
C08501	Means Of Transportation To Work By Age For Workplace Geography	Place of Work Only	44	112-153
C08505A	Means Of Transportation To Work For Workplace Geography (White Alone)	Place of Work Only	44	154-159
C08505B	Means Of Transportation To Work For Workplace Geography (Black Or African American Alone)	Place of Work Only	44	160-165
C08505C	Means Of Transportation To Work For Workplace Geography (American Indian And Alaska Native Alone)	Place of Work Only	44	166-171
C08505D	Means Of Transportation To Work For Workplace Geography (Asian Alone)	Place of Work Only	44	172-177

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
C08505E	Means Of Transportation To Work For Workplace Geography (Native Hawaiian And Other Pacific Islander Alone)	Place of Work Only	44	178-183
C08505F	Means Of Transportation To Work For Workplace Geography (Some Other Race Alone)	Place of Work Only	44	184-189
C08505G	Means Of Transportation To Work For Workplace Geography (Two Or More Races)	Place of Work Only	44	190-195
C08505H	Means Of Transportation To Work For Workplace Geography (White Alone, Not Hispanic Or Latino)	Place of Work Only	44	196-201
C08505I	Means Of Transportation To Work For Workplace Geography (Hispanic Or Latino)	Place of Work Only	44	202-207
C08511	Means Of Transportation To Work By Citizenship Status For Workplace Geography	Place of Work Only	44	208-237
B08513	Means Of Transportation To Work By Language Spoken At Home And Ability To Speak English For Workplace Geography	Place of Work Only	45	7-62
B08519	Means Of Transportation To Work By Workers' Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For Workplace Geography	Place of Work Only	45	63-125
B08521	Median Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Means Of Transportation To Work For Workplace Geography	Place of Work Only	45	126-132
B08522	Means Of Transportation To Work By Poverty Status In The Past 12 Months For Workplace Geography	Place of Work Only	45	133-160
C08513	Means Of Transportation To Work By Language Spoken At Home And Ability To Speak English For Workplace Geography	Place of Work Only	45	161-190
C08519	Means Of Transportation To Work By Workers' Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For Workplace Geography	Place of Work Only	45	191-244
B08524	Means Of Transportation To Work By Occupation For Workplace Geography	Place of Work Only	46	7-55
B08526	Means Of Transportation To Work By Industry For Workplace Geography	Place of Work Only	46	56-160
C08522	Means Of Transportation To Work By Poverty Status In The Past 12 Months For Workplace Geography	Place of Work Only	46	161-184
C08524	Means Of Transportation To Work By Occupation For Workplace Geography	Place of Work Only	46	185-226
B08528	Means Of Transportation To Work By Class Of Worker For Workplace Geography	Place of Work Only	47	7-76
C08526	Means Of Transportation To Work By Industry For Workplace Geography	Place of Work Only	47	77-160
C08528	Means Of Transportation To Work By Class Of Worker For Workplace Geography	Place of Work Only	47	161-190
B08532	Means Of Transportation To Work By Time Arriving At Work From Home For Workplace Geography	Place of Work Only	48	7-96
C08532	Means Of Transportation To Work By Time Arriving At Work From Home For Workplace Geography	Place of Work Only	48	97-151
B08534	Means Of Transportation To Work By Travel Time To Work For Workplace Geography	Place of Work Only	49	7-126
B08536	Aggregate Travel Time To Work (In Minutes) Of Workers By Means Of Transportation To Work For Workplace Geography	Place of Work Only	49	127-138
B08537	Means Of Transportation To Work By Tenure For Workplace Geography	Place of Work Only	49	139-159
C08534	Means Of Transportation To Work By Travel Time To Work For Workplace Geography	Place of Work Only	49	160-209
C08536	Aggregate Travel Time To Work (In Minutes) Of Workers By Means Of Transportation To Work For Workplace Geography	Place of Work Only	49	210-214
C08537	Means Of Transportation To Work By Tenure For Workplace Geography	Place of Work Only	49	215-232
B08541	Means Of Transportation To Work By Vehicles Available For Workplace Geography	Place of Work Only	50	7-41
B08601	Means Of Transportation To Work For Workplace Geography	Place of Work Only	50	42-62
B08602	Time Arriving At Work From Home For Workplace Geography	Place of Work Only	50	63-77
B08603	Travel Time To Work For Workplace Geography	Place of Work Only	50	78-90
B08604	Worker Population For Workplace Geography	Place of Work Only	50	91-91
C08541	Means Of Transportation To Work By Vehicles Available For Workplace Geography	Place of Work Only	50	92-121
C08601	Means Of Transportation To Work For Workplace Geography	Place of Work Only	50	122-132
C08602	Time Arriving At Work From Home For Workplace Geography	Place of Work Only	50	133-143

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
C08603	Travel Time To Work For Workplace Geography	Place of Work Only	50	144-153
B09001	Population Under 18 Years By Age		51	7-16
B09002	Own Children Under 18 Years By Family Type And Age		51	17-36
B09005	Household Type For Children Under 18 Years In Households (Excluding Householders, Spouses, And Unmarried Partners)		51	37-42
B09008	Presence Of Unmarried Partner Of Householder By Household Type For Children Under 18 Years In Households		51	43-54
B09010	Receipt Of Supplemental Security Income (Ssi), Cash Public Assistance Income, Or Food Stamps/Snap In The Past 12 Months By Household Type For Children Under 18 Years In Households		51	55-67
B09018	Relationship To Householder For Children Under 18 Years In Households		51	68-75
B09019	Household Type (Including Living Alone) By Relationship		51	76-113
B09020	Relationship By Household Type (Including Living Alone) For The Population 65 Years And Over		51	114-134
C09008	Presence Of Unmarried Partner Of Householder For Children Under 18 Years In Households		51	135-137
C09019	Household Type (Including Living Alone) By Relationship		51	138-166
B10001	Grandchildren Under 18 Years Living With A Grandparent Householder By Age Of Grandchild		52	7-10
B10002	Grandchildren Under 18 Years Living With A Grandparent Householder By Grandparent Responsibility And Presence Of Parent		52	11-15
B10010	Median Family Income For Families With Grandparent Householders And/Or Spouses Living With Own Grandchildren Under 18 Years By Responsibility For Own Grandchildren And Presence Of Parent Of Grandchildren		52	16-18
B10050	Grandparents Living With Own Grandchildren Under 18 Years By Responsibility For Own Grandchildren By Length Of Time Responsible For Own Grandchildren For The Population 30 Years And Over		52	19-28
B10051	Grandparents Living With Own Grandchildren Under 18 Years By Responsibility For Own Grandchildren By Presence Of Parent Of Grandchildren And Age Of Grandparent		52	29-39
B10051A	Grandparents Living With Own Grandchildren Under 18 Years By Responsibility For Own Grandchildren And Age Of Grandparent (White Alone)		52	40-46
B10051B	Grandparents Living With Own Grandchildren Under 18 Years By Responsibility For Own Grandchildren And Age Of Grandparent (Black Or African American Alone)		52	47-53
B10051C	Grandparents Living With Own Grandchildren Under 18 Years By Responsibility For Own Grandchildren And Age Of Grandparent (American Indian And Alaska Native Alone)		52	54-60
B10051D	Grandparents Living With Own Grandchildren Under 18 Years By Responsibility For Own Grandchildren And Age Of Grandparent (Asian Alone)		52	61-67
B10051E	Grandparents Living With Own Grandchildren Under 18 Years By Responsibility For Own Grandchildren And Age Of Grandparent (Native Hawaiian And Other Pacific Islander Alone)		52	68-74
B10051F	Grandparents Living With Own Grandchildren Under 18 Years By Responsibility For Own Grandchildren And Age Of Grandparent (Some Other Race Alone)		52	75-81
B10051G	Grandparents Living With Own Grandchildren Under 18 Years By Responsibility For Own Grandchildren And Age Of Grandparent (Two Or More Races)		52	82-88
B10051H	Grandparents Living With Own Grandchildren Under 18 Years By Responsibility For Own Grandchildren And Age Of Grandparent (White Alone, Not Hispanic Or Latino)		52	89-95
B10051I	Grandparents Living With Own Grandchildren Under 18 Years By Responsibility For Own Grandchildren And Age Of Grandparent (Hispanic Or Latino)		52	96-102
B10052	Disability Status Of Grandparents Living With Own Grandchildren Under 18 Years By Responsibility For Own Grandchildren And Age Of Grandparent		52	103-113
B10053	Nativity By Grandparents Responsible For Own Grandchildren Under 18 Years By Age Of Grandparent		52	114-124
B10054	Language And Ability To Speak English Of Grandparents Living With Own Grandchildren Under 18 Years By Responsibility For Own Grandchildren And Age Of Grandparent		52	125-141

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
B10056	Sex Of Grandparents Living With Own Grandchildren Under 18 Years By Responsibility For Own Grandchildren And Age Of Grandparent		52	142-152
B10057	Marital Status By Grandparents Living With Own Grandchildren Under 18 Years By Responsibility For Own Grandchildren And Age Of Grandparent		52	153-163
B10058	Employment Status Of Grandparents Living With Own Grandchildren Under 18 Years By Responsibility For Own Grandchildren And Age Of Grandparent		52	164-174
B10059	Poverty Status In The Past 12 Months Of Grandparents Living With Own Grandchildren Under 18 Years By Responsibility For Own Grandchildren And Age Of Grandparent		52	175-185
B10060	Units In Structure Of Grandparents Living With Own Grandchildren Under 18 Years By Responsibility For Own Grandchildren And Age Of Grandparent		52	186-201
B10061	Tenure Of Grandparents Living With Own Grandchildren Under 18 Years By Responsibility For Own Grandchildren And Age Of Grandparent		52	202-212
B10063	Households With Grandparents Living With Own Grandchildren Under 18 Years By Responsibility For Own Grandchildren And Presence Of Parent Of Grandchildren		52	213-219
B11001	Household Type (Including Living Alone)		53	7-15
B11001A	Household Type (Including Living Alone) (White Alone)		53	16-24
B11001B	Household Type (Including Living Alone) (Black Or African American Alone)		53	25-33
B11001C	Household Type (Including Living Alone) (American Indian And Alaska Native Alone)		53	34-42
B11001D	Household Type (Including Living Alone) (Asian Alone)		53	43-51
B11001E	Household Type (Including Living Alone) (Native Hawaiian And Other Pacific Islander Alone)		53	52-60
B11001F	Household Type (Including Living Alone) (Some Other Race Alone)		53	61-69
B11001G	Household Type (Including Living Alone) (Two Or More Races)		53	70-78
B11001H	Household Type (Including Living Alone) (White Alone, Not Hispanic Or Latino)		53	79-87
B11001I	Household Type (Including Living Alone) (Hispanic Or Latino)		53	88-96
B11002	Household Type By Relatives And Nonrelatives For Population In Households		53	97-108
B11002A	Household Type By Relatives And Nonrelatives For Population In Households (White Alone)		53	109-120
B11002B	Household Type By Relatives And Nonrelatives For Population In Households (Black Or African American Alone)		53	121-132
B11002C	Household Type By Relatives And Nonrelatives For Population In Households (American Indian And Alaska Native Alone)		53	133-144
B11002D	Household Type By Relatives And Nonrelatives For Population In Households (Asian Alone)		53	145-156
B11002E	Household Type By Relatives And Nonrelatives For Population In Households (Native Hawaiian And Other Pacific Islander Alone)		53	157-168
B11002F	Household Type By Relatives And Nonrelatives For Population In Households (Some Other Race Alone)		53	169-180
B11002G	Household Type By Relatives And Nonrelatives For Population In Households (Two Or More Races)		53	181-192
B11002H	Household Type By Relatives And Nonrelatives For Population In Households (White Alone, Not Hispanic Or Latino)		53	193-204
C11001A	Household Type (White Alone)		53	205-209
C11001B	Household Type (Black Or African American Alone)		53	210-214
C11001C	Household Type (American Indian And Alaska Native Alone)		53	215-219
C11001D	Household Type (Asian Alone)		53	220-224
C11001E	Household Type (Native Hawaiian And Other Pacific Islander Alone)		53	225-229
C11001F	Household Type (Some Other Race Alone)		53	230-234
C11001G	Household Type (Two Or More Races)		53	235-239

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
C11001H	Household Type (White Alone, Not Hispanic Or Latino)		53	240-244
C11001I	Household Type (Hispanic Or Latino)		53	245-249
B11002I	Household Type By Relatives And Nonrelatives For Population In Households (Hispanic Or Latino)		54	7-18
B11003	Family Type By Presence And Age Of Own Children Under 18 Years		54	19-38
B11004	Family Type By Presence And Age Of Related Children Under 18 Years		54	39-58
B11005	Households By Presence Of People Under 18 Years By Household Type		54	59-77
B11006	Households By Presence Of People 60 Years And Over By Household Type		54	78-92
B11007	Households By Presence Of People 65 Years And Over, Household Size And Household Type		54	93-103
B11009	Unmarried-Partner Households By Sex Of Partner		54	104-110
B11010	Nonfamily Households By Sex Of Householder By Living Alone By Age Of Householder		54	111-125
B11011	Household Type By Units In Structure		54	126-144
B11012	Household Type By Tenure		54	145-159
B11013	Subfamily Type By Presence Of Own Children Under 18 Years		54	160-165
B11014	Population In Subfamilies By Subfamily Type By Relationship		54	166-176
B11015	Households By Presence Of Nonrelatives		54	177-179
C11002A	Household Type For Population In Households (White Alone)		54	180-182
C11002B	Household Type For Population In Households (Black Or African American Alone)		54	183-185
C11002C	Household Type For Population In Households (American Indian And Alaska Native Alone)		54	186-188
C11002D	Household Type For Population In Households (Asian Alone)		54	189-191
C11002E	Household Type For Population In Households (Native Hawaiian And Other Pacific Islander Alone)		54	192-194
C11002F	Household Type For Population In Households (Some Other Race Alone)		54	195-197
C11002G	Household Type For Population In Households (Two Or More Races)		54	198-200
C11002H	Household Type For Population In Households (White Alone, Not Hispanic Or Latino)		54	201-203
C11002I	Household Type For Population In Households (Hispanic Or Latino)		54	204-206
C11005	Households By Presence Of People Under 18 Years By Household Type		54	207-223
C11010	Nonfamily Households By Sex Of Householder By Living Alone By Age Of Householder		54	224-234
C11013	Subfamily Type		54	235-237
C11014	Population In Subfamilies By Subfamily Type		54	238-240
B11016	Household Type By Household Size		55	7-22
B11017	Multigenerational Households	Nation and State Only	55	23-25
C11016	Household Type By Household Size		55	26-37
B12001	Sex By Marital Status For The Population 15 Years And Over		56	7-25
B12002	Sex By Marital Status By Age For The Population 15 Years And Over		56	26-212
B12002A	Sex By Marital Status For The Population 15 Years And Over (White Alone)		56	213-225
B12002B	Sex By Marital Status For The Population 15 Years And Over (Black Or African American Alone)		56	226-238
B12002C	Sex By Marital Status For The Population 15 Years And Over (American Indian And Alaska Native Alone)		56	239-251
B12002D	Sex By Marital Status For The Population 15 Years And Over (Asian Alone)		57	7-19
B12002E	Sex By Marital Status For The Population 15 Years And Over (Native Hawaiian And Other Pacific Islander Alone)		57	20-32

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
B12002F	Sex By Marital Status For The Population 15 Years And Over (Some Other Race Alone)		57	33-45
B12002G	Sex By Marital Status For The Population 15 Years And Over (Two Or More Races)		57	46-58
B12002H	Sex By Marital Status For The Population 15 Years And Over (White Alone, Not Hispanic Or Latino)		57	59-71
B12002I	Sex By Marital Status For The Population 15 Years And Over (Hispanic Or Latino)		57	72-84
B12005	Marital Status By Nativity		57	85-100
C12002	Sex By Marital Status By Age For The Population 15 Years And Over		57	101-173
C12002A	Marital Status For The Population 15 Years And Over (White Alone)		57	174-179
C12002B	Marital Status For The Population 15 Years And Over (Black Or African American Alone)		57	180-185
C12002C	Marital Status For The Population 15 Years And Over (American Indian And Alaska Native Alone)		57	186-191
C12002D	Marital Status For The Population 15 Years And Over (Asian Alone)		57	192-197
C12002E	Marital Status For The Population 15 Years And Over (Native Hawaiian And Other Pacific Islander Alone)		57	198-203
C12002F	Marital Status For The Population 15 Years And Over (Some Other Race Alone)		57	204-209
C12002G	Marital Status For The Population 15 Years And Over (Two Or More Races)		57	210-215
C12002H	Marital Status For The Population 15 Years And Over (White Alone, Not Hispanic Or Latino)		57	216-221
C12002I	Marital Status For The Population 15 Years And Over (Hispanic Or Latino)		57	222-227
B12006	Marital Status By Sex By Labor Force Participation		58	7-62
B12007	Median Age At First Marriage	Nation and State Only	58	63-64
B12007A	Median Age At First Marriage (White Alone)	US Only	58	65-66
B12007B	Median Age At First Marriage (Black Or African American Alone)	US Only	58	67-68
B12007C	Median Age At First Marriage (American Indian And Alaska Native Alone)	US Only	58	69-70
B12007D	Median Age At First Marriage (Asian Alone)	US Only	58	71-72
B12007E	Median Age At First Marriage (Native Hawaiian And Other Pacific Islander Alone)	US Only	58	73-74
B12007F	Median Age At First Marriage (Some Other Race Alone)	US Only	58	75-76
B12007G	Median Age At First Marriage (Two Or More Races)	US Only	58	77-78
B12007H	Median Age At First Marriage (White Alone, Not Hispanic Or Latino)	US Only	58	79-80
B12007I	Median Age At First Marriage (Hispanic Or Latino)	US Only	58	81-82
B12501	Marriages In The Last Year By Sex By Marital Status For The Population 15 Years And Over	Nation and State Only	58	83-93
B12502	Marriages Ending In Widowhood In The Last Year By Sex By Marital Status For The Population 15 Years And Over	Nation and State Only	58	94-104
B12503	Divorces In The Last Year By Sex By Marital Status For The Population 15 Years And Over	Nation and State Only	58	105-115
B12504	Median Duration Of Current Marriage In Years By Sex By Marital Status For The Married Population 15 Years And Over	Nation and State Only	58	116-124
B12505	Number Of Times Married By Sex By Marital Status For The Population 15 Years And Over	Nation and State Only	58	125-137
B13001	Marital Status By Age For Women 15 To 50 Years		59	7-15
B13002	Women 15 To 50 Years Who Had A Birth In The Past 12 Months By Marital Status And Age		59	16-34
B13002A	Women 15 To 50 Years Who Had A Birth In The Past 12 Months By Marital Status (White Alone)		59	35-41
B13002B	Women 15 To 50 Years Who Had A Birth In The Past 12 Months By Marital Status (Black Or African American Alone)		59	42-48

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
B13002C	Women 15 To 50 Years Who Had A Birth In The Past 12 Months By Marital Status (American Indian And Alaska Native Alone)		59	49-55
B13002D	Women 15 To 50 Years Who Had A Birth In The Past 12 Months By Marital Status (Asian Alone)		59	56-62
B13002E	Women 15 To 50 Years Who Had A Birth In The Past 12 Months By Marital Status (Native Hawaiian And Other Pacific Islander Alone)		59	63-69
B13002F	Women 15 To 50 Years Who Had A Birth In The Past 12 Months By Marital Status (Some Other Race Alone)		59	70-76
B13002G	Women 15 To 50 Years Who Had A Birth In The Past 12 Months By Marital Status (Two Or More Races)		59	77-83
B13002H	Women 15 To 50 Years Who Had A Birth In The Past 12 Months By Marital Status (White Alone, Not Hispanic Or Latino)		59	84-90
B13002I	Women 15 To 50 Years Who Had A Birth In The Past 12 Months By Marital Status (Hispanic Or Latino)		59	91-97
B13004	Women 15 To 50 Years Who Had A Birth In The Past 12 Months By Marital Status And Presence Of Unmarried Partner		59	98-108
B13008	Women 15 To 50 Years Who Had A Birth In The Past 12 Months By Marital Status And Nativity		59	109-123
B13010	Women 15 To 50 Years Who Had A Birth In The Past 12 Months By Marital Status And Poverty Status In The Past 12 Months		59	124-142
B13012	Women 16 To 50 Years Who Had A Birth In The Past 12 Months By Marital Status And Labor Force Status		59	143-157
B13014	Women 15 To 50 Years Who Had A Birth In The Past 12 Months By Marital Status And Educational Attainment		59	158-184
B13015	Women 15 To 50 Years Who Had A Birth In The Past 12 Months By Marital Status And Receipt Of Public Assistance Income In The Past 12 Months		59	185-199
B13016	Women 15 To 50 Years Who Had A Birth In The Past 12 Months By Age		59	200-216
C13004	Women 15 To 50 Years Who Had A Birth In The Past 12 Months By Marital Status		59	217-223
B14001	School Enrollment By Level Of School For The Population 3 Years And Over		60	7-16
B14002	Sex By School Enrollment By Level Of School By Type Of School For The Population 3 Years And Over		60	17-65
B14003	Sex By School Enrollment By Type Of School By Age For The Population 3 Years And Over		60	66-122
B14004	Sex By College Or Graduate School Enrollment By Type Of School By Age For The Population 15 Years And Over		60	123-155
B14005	Sex By School Enrollment By Educational Attainment By Employment Status For The Population 16 To 19 Years		60	156-184
C14002	School Enrollment By Level Of School By Type Of School For The Population 3 Years And Over		60	185-208
C14003	School Enrollment By Type Of School By Age For The Population 3 Years And Over		60	209-236
B14006	Poverty Status In The Past 12 Months By School Enrollment By Level Of School For The Population 3 Years And Over		61	7-27
B14007	School Enrollment By Detailed Level Of School For The Population 3 Years And Over		61	28-46
B14007A	School Enrollment By Detailed Level Of School For The Population 3 Years And Over (White Alone)		61	47-65
B14007B	School Enrollment By Detailed Level Of School For The Population 3 Years And Over (Black Or African American Alone)		61	66-84
B14007C	School Enrollment By Detailed Level Of School For The Population 3 Years And Over (American Indian And Alaska Native Alone)		61	85-103
B14007D	School Enrollment By Detailed Level Of School For The Population 3 Years And Over (Asian Alone)		61	104-122
B14007E	School Enrollment By Detailed Level Of School For The Population 3 Years And Over (Native Hawaiian And Other Pacific Islander Alone)		61	123-141
B14007F	School Enrollment By Detailed Level Of School For The Population 3 Years And Over (Some Other Race Alone)		61	142-160
B14007G	School Enrollment By Detailed Level Of School For The Population 3 Years And Over		61	161-179

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
	(Two Or More Races)			
B14007H	School Enrollment By Detailed Level Of School For The Population 3 Years And Over (White Alone, Not Hispanic Or Latino)		61	180-198
C14005	Sex By School Enrollment By Educational Attainment By Employment Status For The Population 16 To 19 Years		61	199-217
C14006	Poverty Status In The Past 12 Months By School Enrollment By Level Of School For The Population 3 Years And Over		61	218-234
B14007I	School Enrollment By Detailed Level Of School For The Population 3 Years And Over (Hispanic Or Latino)		62	7-25
C14007A	School Enrollment By Detailed Level Of School For The Population 3 Years And Over (White Alone)		62	26-32
C14007B	School Enrollment By Detailed Level Of School For The Population 3 Years And Over (Black Or African American Alone)		62	33-39
C14007C	School Enrollment By Detailed Level Of School For The Population 3 Years And Over (American Indian And Alaska Native Alone)		62	40-46
C14007D	School Enrollment By Detailed Level Of School For The Population 3 Years And Over (Asian Alone)		62	47-53
C14007E	School Enrollment By Detailed Level Of School For The Population 3 Years And Over (Native Hawaiian And Other Pacific Islander Alone)		62	54-60
C14007F	School Enrollment By Detailed Level Of School For The Population 3 Years And Over (Some Other Race Alone)		62	61-67
C14007G	School Enrollment By Detailed Level Of School For The Population 3 Years And Over (Two Or More Races)		62	68-74
C14007H	School Enrollment By Detailed Level Of School For The Population 3 Years And Over (White Alone, Not Hispanic Or Latino)		62	75-81
C14007I	School Enrollment By Detailed Level Of School For The Population 3 Years And Over (Hispanic Or Latino)		62	82-88
B15001	Sex By Age By Educational Attainment For The Population 18 Years And Over		63	7-89
B15002	Sex By Educational Attainment For The Population 25 Years And Over		63	90-124
B15002A	Sex By Educational Attainment For The Population 25 Years And Over (White Alone)		63	125-143
B15002B	Sex By Educational Attainment For The Population 25 Years And Over (Black Or African American Alone)		63	144-162
B15002C	Sex By Educational Attainment For The Population 25 Years And Over (American Indian And Alaska Native Alone)		63	163-181
C15001	Sex By Age By Educational Attainment For The Population 18 Years And Over		63	182-234
B15002D	Sex By Educational Attainment For The Population 25 Years And Over (Asian Alone)		64	7-25
B15002E	Sex By Educational Attainment For The Population 25 Years And Over (Native Hawaiian And Other Pacific Islander Alone)		64	26-44
B15002F	Sex By Educational Attainment For The Population 25 Years And Over (Some Other Race Alone)		64	45-63
B15002G	Sex By Educational Attainment For The Population 25 Years And Over (Two Or More Races)		64	64-82
B15002H	Sex By Educational Attainment For The Population 25 Years And Over (White Alone, Not Hispanic Or Latino)		64	83-101
B15002I	Sex By Educational Attainment For The Population 25 Years And Over (Hispanic Or Latino)		64	102-120
C15002	Sex By Educational Attainment For The Population 25 Years And Over		64	121-137
C15002A	Sex By Educational Attainment For The Population 25 Years And Over (White Alone)		64	138-148
C15002B	Sex By Educational Attainment For The Population 25 Years And Over (Black Or African American Alone)		64	149-159
C15002C	Sex By Educational Attainment For The Population 25 Years And Over (American Indian And Alaska Native Alone)		64	160-170
C15002D	Sex By Educational Attainment For The Population 25 Years And Over (Asian Alone)		64	171-181
C15002E	Sex By Educational Attainment For The Population 25 Years And Over (Native Hawaiian And Other Pacific Islander Alone)		64	182-192
C15002F	Sex By Educational Attainment For The Population 25 Years And Over (Some Other Race Alone)		64	193-203
C15002G	Sex By Educational Attainment For The Population 25 Years And Over (Two Or More Races)		64	204-214

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
C15002H	Sex By Educational Attainment For The Population 25 Years And Over (White Alone, Not Hispanic Or Latino)		64	215-225
C15002I	Sex By Educational Attainment For The Population 25 Years And Over (Hispanic Or Latino)		64	226-236
B15003	Educational Attainment For The Population 25 Years And Over		65	7-31
B15010	Detailed Field Of Bachelor's Degree For First Major For The Population 25 Years And Over		65	32-47
B15011	Sex By Age By Field Of Bachelor's Degree For First Major For The Population 25 Years And Over		65	48-86
B15012	Total Fields Of Bachelor's Degrees Reported		65	87-102
C15003	Educational Attainment For The Population 25 Years And Over		65	103-120
C15010	Field Of Bachelor's Degree For First Major For The Population 25 Years And Over		65	121-126
C15010A	Field Of Bachelor's Degree For First Major The Population 25 Years And Over (White Alone)		65	127-132
C15010B	Field Of Bachelor's Degree For First Major The Population 25 Years And Over (Black Or African American Alone)		65	133-138
C15010C	Field Of Bachelor's Degree For First Major The Population 25 Years And Over (American Indian And Alaska Native Alone)		65	139-144
C15010D	Field Of Bachelor's Degree For First Major The Population 25 Years And Over (Asian Alone)		65	145-150
C15010E	Field Of Bachelor's Degree For First Major The Population 25 Years And Over (Native Hawaiian And Other Pacific Islander Alone)		65	151-156
C15010F	Field Of Bachelor's Degree For First Major The Population 25 Years And Over (Some Other Race Alone)		65	157-162
C15010G	Field Of Bachelor's Degree For First Major The Population 25 Years And Over (Two Or More Races)		65	163-168
C15010H	Field Of Bachelor's Degree For First Major The Population 25 Years And Over (White Alone, Not Hispanic Or Latino)		65	169-174
C15010I	Field Of Bachelor's Degree For First Major The Population 25 Years And Over (Hispanic Or Latino)		65	175-180
B16001	Language Spoken At Home By Ability To Speak English For The Population 5 Years And Over		66	7-125
B16002	Household Language By Households In Which No One 14 And Over Speaks English Only Or Speaks A Language Other Than English At Home And Speaks English "very Well"		66	126-139
B16003	Age By Language Spoken At Home For The Population 5 Years And Over In Households In Which No One 14 And Over Speaks English Only Or Speaks A Language Other Than English At Home And Speaks English "very Well"		66	140-151
B16004	Age By Language Spoken At Home By Ability To Speak English For The Population 5 Years And Over		66	152-218
C16001	Language Spoken At Home For The Population 5 Years And Over		66	219-231
C16003	Age By Language Spoken At Home For The Population 5 Years And Over In Households In Which No One 14 And Over Speaks English Only Or Speaks A Language Other Than English At Home And Speaks English "very Well"		66	232-239
B16005	Nativity By Language Spoken At Home By Ability To Speak English For The Population 5 Years And Over		67	7-51
B16005A	Nativity By Language Spoken At Home By Ability To Speak English For The Population 5 Years And Over (White Alone)		67	52-62
B16005B	Nativity By Language Spoken At Home By Ability To Speak English For The Population 5 Years And Over (Black Or African American Alone)		67	63-73
B16005C	Nativity By Language Spoken At Home By Ability To Speak English For The Population 5 Years And Over (American Indian And Alaska Native Alone)		67	74-84
B16005D	Nativity By Language Spoken At Home By Ability To Speak English For The Population 5 Years And Over (Asian Alone)		67	85-95
B16005E	Nativity By Language Spoken At Home By Ability To Speak English For The Population 5 Years And Over (Native Hawaiian And Other Pacific Islander Alone)		67	96-106
B16005F	Nativity By Language Spoken At Home By Ability To Speak English For The Population 5 Years And Over (Some Other Race Alone)		67	107-117
B16005G	Nativity By Language Spoken At Home By Ability To Speak English For The Population 5 Years And Over (Two Or More Races)		67	118-128

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
B16005H	Nativity By Language Spoken At Home By Ability To Speak English For The Population 5 Years And Over (White Alone, Not Hispanic Or Latino)		67	129-139
B16005I	Nativity By Language Spoken At Home By Ability To Speak English For The Population 5 Years And Over (Hispanic Or Latino)		67	140-150
B16006	Language Spoken At Home By Ability To Speak English For The Population 5 Years And Over (Hispanic Or Latino)		67	151-158
C16004	Age By Language Spoken At Home By Ability To Speak English For The Population 5 Years And Over		67	159-201
C16005	Nativity By Language Spoken At Home By Ability To Speak English For The Population 5 Years And Over		67	202-230
C16006	Language Spoken At Home By Ability To Speak English For The Population 5 Years And Over (Hispanic Or Latino)		67	231-236
B16007	Age By Language Spoken At Home For The Population 5 Years And Over		68	7-25
B16008	Citizenship Status By Age By Language Spoken At Home And Ability To Speak English For The Population 5 Years And Over		68	26-78
B16009	Poverty Status In The Past 12 Months By Age By Language Spoken At Home For The Population 5 Years And Over		68	79-105
B16010	Educational Attainment And Employment Status By Language Spoken At Home For The Population 25 Years And Over		68	106-158
C16007	Age By Language Spoken At Home For The Population 5 Years And Over		68	159-171
C16008	Citizenship Status By Age By Language Spoken At Home Ability To Speak English For The Population 5 Years And Over		68	172-194
C16009	Poverty Status In The Past 12 Months By Language Spoken At Home For The Population 5 Years And Over		68	195-207
C16010	Educational Attainment And Employment Status By Language Spoken At Home For The Population 25 Years And Over		68	208-244
B17001	Poverty Status In The Past 12 Months By Sex By Age		69	7-65
B17001A	Poverty Status In The Past 12 Months By Sex By Age (White Alone)		69	66-124
B17001B	Poverty Status In The Past 12 Months By Sex By Age (Black Or African American Alone)		69	125-183
B17001C	Poverty Status In The Past 12 Months By Sex By Age (American Indian And Alaska Native Alone)		69	184-242
B17001D	Poverty Status In The Past 12 Months By Sex By Age (Asian Alone)		70	7-65
B17001E	Poverty Status In The Past 12 Months By Sex By Age (Native Hawaiian And Other Pacific Islander Alone)		70	66-124
B17001F	Poverty Status In The Past 12 Months By Sex By Age (Some Other Race Alone)		70	125-183
B17001G	Poverty Status In The Past 12 Months By Sex By Age (Two Or More Races)		70	184-242
B17001H	Poverty Status In The Past 12 Months By Sex By Age (White Alone, Not Hispanic Or Latino)		71	7-65
B17001I	Poverty Status In The Past 12 Months By Sex By Age (Hispanic Or Latino)		71	66-124
C17001	Poverty Status In The Past 12 Months By Sex By Age		71	125-143
C17001A	Poverty Status In The Past 12 Months By Sex By Age (White Alone)		71	144-162
C17001B	Poverty Status In The Past 12 Months By Sex By Age (Black Or African American Alone)		71	163-181
C17001C	Poverty Status In The Past 12 Months By Sex By Age (American Indian And Alaska Native Alone)		71	182-200
C17001D	Poverty Status In The Past 12 Months By Sex By Age (Asian Alone)		71	201-219
C17001E	Poverty Status In The Past 12 Months By Sex By Age (Native Hawaiian And Other Pacific Islander Alone)		71	220-238
B17002	Ratio Of Income To Poverty Level In The Past 12 Months		72	7-19
B17003	Poverty Status In The Past 12 Months Of Individuals By Sex By Educational Attainment		72	20-42
B17004	Poverty Status In The Past 12 Months Of Individuals By Sex By Work Experience		72	43-61
B17005	Poverty Status In The Past 12 Months Of Individuals By Sex By Employment Status		72	62-84
B17006	Poverty Status In The Past 12 Months Of Related Children Under 18 Years By Family Type By Age Of Related Children Under 18 Years		72	85-113

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C17001G	Poverty Status In The Past 12 Months By Sex By Age (Two Or More Races)		72	133-151
C17001H	Poverty Status In The Past 12 Months By Sex By Age (White Alone, Not Hispanic Or Latino)		72	152-170
C17001I	Poverty Status In The Past 12 Months By Sex By Age (Hispanic Or Latino)		72	171-189
C17002	Ratio Of Income To Poverty Level In The Past 12 Months		72	190-197
C17003	Poverty Status In The Past 12 Months Of Individuals By Educational Attainment		72	198-208
C17004	Poverty Status In The Past 12 Months Of Individuals By Work Experience		72	209-217
C17006	Poverty Status In The Past 12 Months Of Related Children Under 18 Years By Family Type		72	218-224
B17007	Poverty Status In The Past 12 Months Of Unrelated Individuals 15 Years And Over By Sex By Age		73	7-49
B17008	Aggregate Income Deficit (Dollars) In The Past 12 Months Of Unrelated Individuals By Sex		73	50-52
B17009	Poverty Status By Work Experience Of Unrelated Individuals By Householder Status		73	53-73
B17010	Poverty Status In The Past 12 Months Of Families By Family Type By Presence Of Related Children Under 18 Years By Age Of Related Children		73	74-114
B17010A	Poverty Status In The Past 12 Months Of Families By Family Type By Presence Of Related Children Under 18 Years By Age Of Related Children (White Alone Householder)		73	115-155
B17010B	Poverty Status In The Past 12 Months Of Families By Family Type By Presence Of Related Children Under 18 Years By Age Of Related Children (Black Or African American Alone Householder)		73	156-196
C17007	Poverty Status In The Past 12 Months Of Unrelated Individuals 15 Years And Over By Sex		73	197-203
C17009	Poverty Status By Work Experience Of Unrelated Individuals		73	204-212
B17010C	Poverty Status In The Past 12 Months Of Families By Family Type By Presence Of Related Children Under 18 Years By Age Of Related Children (American Indian And Alaska Native Alone)		74	7-47
B17010D	Poverty Status In The Past 12 Months Of Families By Family Type By Presence Of Related Children Under 18 Years By Age Of Related Children (Asian Alone Householder)		74	48-88
B17010E	Poverty Status In The Past 12 Months Of Families By Family Type By Presence Of Related Children Under 18 Years By Age Of Related Children (Native Hawaiian And Other Pacific Islander Alone Householder)		74	89-129
B17010F	Poverty Status In The Past 12 Months Of Families By Family Type By Presence Of Related Children Under 18 Years By Age Of Related Children (Some Other Race Alone Householder)		74	130-170
B17010G	Poverty Status In The Past 12 Months Of Families By Family Type By Presence Of Related Children Under 18 Years By Age Of Related Children (Two Or More Races Householder)		74	171-211
B17010H	Poverty Status In The Past 12 Months Of Families By Family Type By Presence Of Related Children Under 18 Years By Age Of Related Children (White Alone, Not Hispanic Or Latino Householder)		75	7-47
B17010I	Poverty Status In The Past 12 Months Of Families By Family Type By Presence Of Related Children Under 18 Years By Age Of Related Children (Hispanic Or Latino)		75	48-88
C17010	Poverty Status In The Past 12 Months Of Families By Family Type By Presence Of Related Children Under 18 Years		75	89-105
C17010A	Poverty Status In The Past 12 Months Of Families By Family Type By Presence Of Related Children Under 18 Years (White Alone Householder)		75	106-122
C17010B	Poverty Status In The Past 12 Months Of Families By Family Type By Presence Of Related Children Under 18 Years (Black Or African American Alone Householder)		75	123-139
C17010C	Poverty Status In The Past 12 Months Of Families By Family Type By Presence Of Related Children Under 18 Years (American Indian And Alaska Native Alone)		75	140-156
C17010D	Poverty Status In The Past 12 Months Of Families By Family Type By Presence Of Related Children Under 18 Years (Asian Alone Householder)		75	157-173
C17010E	Poverty Status In The Past 12 Months Of Families By Family Type By Presence Of Related Children Under 18 Years (Native Hawaiian And Other Pacific Islander Alone Householder)		75	174-190
C17010F	Poverty Status In The Past 12 Months Of Families By Family Type By Presence Of Related Children Under 18 Years (Some Other Race Alone Householder)		75	191-207
C17010G	Poverty Status In The Past 12 Months Of Families By Family Type By Presence Of		75	208-224

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	Related Children Under 18 Years (Two Or More Races Householder)			
C17010H	Poverty Status In The Past 12 Months Of Families By Family Type By Presence Of Related Children Under 18 Years (White Alone, Not Hispanic Or Latino Householder)		75	225-241
B17011	Aggregate Income Deficit (Dollars) In The Past 12 Months For Families By Family Type		76	7-11
B17012	Poverty Status In The Past 12 Months Of Families By Household Type By Number Of Related Children Under 18 Years		76	12-46
B17013	Poverty Status In The Past 12 Months Of Families By Household Type By Number Of Persons In Family		76	47-81
B17014	Poverty Status In The Past 12 Months Of Families By Household Type By Number Of Workers In Family		76	82-116
B17015	Poverty Status In The Past 12 Months Of Families By Family Type By Social Security Income By Supplemental Security Income (Ssi) And Cash Public Assistance Income		76	117-163
C17010I	Poverty Status In The Past 12 Months Of Families By Family Type By Presence Of Related Children Under 18 Years (Hispanic Or Latino)		76	164-180
C17012	Poverty Status In The Past 12 Months Of Families By Number Of Related Children Under 18 Years		76	181-191
C17013	Poverty Status In The Past 12 Months Of Families By Number Of Persons In Family		76	192-202
C17014	Poverty Status In The Past 12 Months Of Families By Number Of Workers In Family		76	203-213
C17015	Poverty Status In The Past 12 Months Of Families By Social Security Income By Supplemental Security Income (Ssi) And Public Assistance Income		76	214-228
B17016	Poverty Status In The Past 12 Months Of Families By Family Type By Work Experience Of Householder And Spouse		77	7-53
B17017	Poverty Status In The Past 12 Months By Household Type By Age Of Householder		77	54-112
B17018	Poverty Status In The Past 12 Months Of Families By Household Type By Educational Attainment Of Householder		77	113-147
B17019	Poverty Status In The Past 12 Months Of Families By Household Type By Tenure		77	148-170
B17020A	Poverty Status In The Past 12 Months By Age (White Alone)		77	171-187
B17020B	Poverty Status In The Past 12 Months By Age (Black Or African American Alone)		77	188-204
C17016	Poverty Status In The Past 12 Months Of Families By Work Experience Of Householder		77	205-213
C17017	Poverty Status In The Past 12 Months By Household Type		77	214-232
C17018	Poverty Status In The Past 12 Months Of Families By Educational Attainment Of Householder		77	233-243
C17019	Poverty Status In The Past 12 Months Of Families By Tenure		77	244-250
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B17020D	Poverty Status In The Past 12 Months By Age (Asian Alone)		78	24-40
B17020E	Poverty Status In The Past 12 Months By Age (Native Hawaiian And Other Pacific Islander Alone)		78	41-57
B17020F	Poverty Status In The Past 12 Months By Age (Some Other Race Alone)		78	58-74
B17020G	Poverty Status In The Past 12 Months By Age (Two Or More Races)		78	75-91
B17020H	Poverty Status In The Past 12 Months By Age (White Alone, Not Hispanic Or Latino)		78	92-108
B17020I	Poverty Status In The Past 12 Months By Age (Hispanic Or Latino)		78	109-125
B17021	Poverty Status Of Individuals In The Past 12 Months By Living Arrangement		78	126-160
C17020A	Poverty Status In The Past 12 Months By Age (White Alone)		78	161-169
C17020B	Poverty Status In The Past 12 Months By Age (Black Or African American Alone)		78	170-178
C17020C	Poverty Status In The Past 12 Months By Age (American Indian And Alaska Native Alone)		78	179-187
C17020D	Poverty Status In The Past 12 Months By Age (Asian Alone)		78	188-196
C17020E	Poverty Status In The Past 12 Months By Age (Native Hawaiian And Other Pacific Islander Alone)		78	197-205
C17020F	Poverty Status In The Past 12 Months By Age (Some Other Race Alone)		78	206-214
C17020G	Poverty Status In The Past 12 Months By Age (Two Or More Races)		78	215-223

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
C17020H	Poverty Status In The Past 12 Months By Age (White Alone, Not Hispanic Or Latino)		78	224-232
C17020I	Poverty Status In The Past 12 Months By Age (Hispanic Or Latino)		78	233-241
B17022	Ratio Of Income To Poverty Level In The Past 12 Months Of Families By Family Type By Presence Of Related Children Under 18 Years By Age Of Related Children		79	7-87
B17023	Poverty Status In The Past 12 Months Of Families By Household Type By Number Of Own Children Under 18 Years		79	88-122
C17021	Poverty Status Of Individuals In The Past 12 Months By Living Arrangement		79	123-137
C17022	Ratio Of Income To Poverty Level In The Past 12 Months Of Families By Family Type		79	138-158
C17023	Poverty Status In The Past 12 Months Of Families By Household Type By Presence Of Own Children Under 18 Years		79	159-181
B17024	Age By Ratio Of Income To Poverty Level In The Past 12 Months		80	7-137
B17025	Poverty Status In The Past 12 Months By Nativity		80	138-152
B17026	Ratio Of Income To Poverty Level Of Families In The Past 12 Months		80	153-165
C17024	Age By Ratio Of Income To Poverty Level In The Past 12 Months		80	166-193
C17025	Poverty Status In The Past 12 Months By Nativity		80	194-204
C17026	Ratio Of Income To Poverty Level Of Families In The Past 12 Months		80	205-212
B18101	Sex By Age By Disability Status		81	7-45
B18101A	Age By Disability Status (White Alone)		81	46-55
B18101B	Age By Disability Status (Black Or African American Alone)		81	56-65
B18101C	Age By Disability Status (American Indian And Alaska Native Alone)		81	66-75
B18101D	Age By Disability Status (Asian Alone)		81	76-85
B18101E	Age By Disability Status (Native Hawaiian And Other Pacific Islander Alone)		81	86-95
B18101F	Age By Disability Status (Some Other Race Alone)		81	96-105
B18101G	Age By Disability Status (Two Or More Races)		81	106-115
B18101H	Age By Disability Status (White Alone, Not Hispanic Or Latino)		81	116-125
B18101I	Age By Disability Status (Hispanic Or Latino)		81	126-135
B18102	Sex By Age By Hearing Difficulty		81	136-174
C18101	Sex By Age By Disability Status		81	175-195
C18102	Sex By Age By Hearing Difficulty		81	196-216
B18103	Sex By Age By Vision Difficulty		82	7-45
B18104	Sex By Age By Cognitive Difficulty		82	46-78
B18105	Sex By Age By Ambulatory Difficulty		82	79-111
B18106	Sex By Age By Self-Care Difficulty		82	112-144
C18103	Sex By Age By Vision Difficulty		82	145-165
C18104	Sex By Age By Cognitive Difficulty		82	166-186
C18105	Sex By Age By Ambulatory Difficulty		82	187-207
C18106	Sex By Age By Self-Care Difficulty		82	208-228
B18107	Sex By Age By Independent Living Difficulty		83	7-33
B18108	Age By Number Of Disabilities		83	34-58
B18120	Employment Status By Disability Status And Type		83	59-87
B18121	Work Experience By Disability Status And Type		83	88-115
B18130	Age By Disability Status By Poverty Status		83	116-158

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C18107	Sex By Age By Independent Living Difficulty		83	159-173
C18108	Age By Number Of Disabilities		83	174-186
C18120	Employment Status By Disability Status		83	187-197
C18121	Work Experience By Disability Status		83	198-207
C18130	Age By Disability Status By Poverty Status		83	208-229
B18131	Age By Ratio Of Income To Poverty Level In The Past 12 Months By Disability Status And Type		84	7-120
B18135	Age By Disability Status By Health Insurance Coverage Status		84	121-154
B18140	Median Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Disability Status By Sex For The Civilian Noninstitutionalized Population 16 Years And Over With Earnings		84	155-161
C18131	Ratio Of Income To Poverty Level In The Past 12 Months By Disability Status		84	162-177
B19001	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		85	7-23
B19001A	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (White Alone Householder)		85	24-40
B19001B	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Black Or African American Alone Householder)		85	41-57
B19001C	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (American Indian And Alaska Native Alone Householder)		85	58-74
B19001D	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Asian Alone Householder)		85	75-91
B19001E	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Native Hawaiian And Other Pacific Islander Alone Householder)		85	92-108
B19001F	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Some Other Race Alone Householder)		85	109-125
B19001G	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Two Or More Races Householder)		85	126-142
B19001H	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (White Alone, Not Hispanic Or Latino Householder)		85	143-159
B19001I	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Hispanic Or Latino Householder)		85	160-176
C19001	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		85	177-187
C19001A	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (White Alone Householder)		85	188-198
C19001B	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Black Or African American Alone Householder)		85	199-209
C19001C	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (American Indian And Alaska Native Alone Householder)		85	210-220
C19001D	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Asian Alone Householder)		85	221-231
C19001E	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Native Hawaiian And Other Pacific Islander Alone Householder)		85	232-242
B19013	Median Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		86	7-7
B19013A	Median Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (White Alone Householder)		86	8-8
B19013B	Median Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Black Or African American Alone Householder)		86	9-9
B19013C	Median Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (American Indian And Alaska Native Alone Householder)		86	10-10
B19013D	Median Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Asian Alone Householder)		86	11-11
B19013E	Median Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Native Hawaiian And Other Pacific Islander Alone Householder)		86	12-12
B19013F	Median Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Some Other Race Alone Householder)		86	13-13
B19013G	Median Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Two Or More Races Householder)		86	14-14
B19013H	Median Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (White Alone, Not Hispanic Or Latino Householder)		86	15-15

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
B19013I	Median Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Hispanic Or Latino Householder)		86	16-16
B19019	Median Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Household Size		86	17-24
B19025	Aggregate Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		86	25-25
B19025A	Aggregate Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (White Alone Householder)		86	26-26
B19025B	Aggregate Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Black Or African American Alone Householder)		86	27-27
B19025C	Aggregate Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (American Indian And Alaska Native Alone Householder)		86	28-28
B19025D	Aggregate Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Asian Alone Householder)		86	29-29
B19025E	Aggregate Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Native Hawaiian And Other Pacific Islander Alone Householder)		86	30-30
B19025F	Aggregate Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Some Other Race Alone Householder)		86	31-31
B19025G	Aggregate Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Two Or More Races Householder)		86	32-32
B19025H	Aggregate Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (White Alone, Not Hispanic Or Latino Householder)		86	33-33
B19025I	Aggregate Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Hispanic Or Latino Householder)		86	34-34
B19037	Age Of Householder By Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		86	35-103
B19037A	Age Of Householder By Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (White Alone Householder)		86	104-172
C19001F	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Some Other Race Alone Householder)		86	173-183
C19001G	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Two Or More Races Householder)		86	184-194
C19001H	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (White Alone, Not Hispanic Or Latino Householder)		86	195-205
C19001I	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Hispanic Or Latino Householder)		86	206-216
B19037B	Age Of Householder By Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Black Or African American Alone Householder)		87	7-75
B19037C	Age Of Householder By Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (American Indian And Alaska Native Alone Householder)		87	76-144
B19037D	Age Of Householder By Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Asian Alone Householder)		87	145-213
B19037E	Age Of Householder By Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Native Hawaiian And Other Pacific Islander Alone Householder)		88	7-75
B19037F	Age Of Householder By Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Some Other Race Alone Householder)		88	76-144
B19037G	Age Of Householder By Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Two Or More Races Householder)		88	145-213
B19037H	Age Of Householder By Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (White Alone, Not Hispanic Or Latino Householder)		89	7-75
B19037I	Age Of Householder By Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Hispanic Or Latino Householder)		89	76-144
C19037	Age Of Householder By Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		89	145-189
C19037A	Age Of Householder By Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (White Alone Householder)		89	190-234
C19037B	Age Of Householder By Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Black Or African American Alone Householder)		90	7-51
C19037C	Age Of Householder By Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (American Indian And Alaska Native Alone Householder)		90	52-96
C19037D	Age Of Householder By Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Asian Alone Householder)		90	97-141
C19037E	Age Of Householder By Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Native Hawaiian And Other Pacific Islander Alone Householder)		90	142-186
C19037F	Age Of Householder By Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Some Other Race Alone Householder)		90	187-231

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B19049	Median Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Age Of Householder		91	7-11
B19050	Aggregate Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Age Of Householder		91	12-16
B19051	Earnings In The Past 12 Months For Households		91	17-19
B19052	Wage Or Salary Income In The Past 12 Months For Households		91	20-22
B19053	Self-Employment Income In The Past 12 Months For Households		91	23-25
B19054	Interest, Dividends, Or Net Rental Income In The Past 12 Months For Households		91	26-28
B19055	Social Security Income In The Past 12 Months For Households		91	29-31
B19056	Supplemental Security Income (Ssi) In The Past 12 Months For Households		91	32-34
B19057	Public Assistance Income In The Past 12 Months For Households		91	35-37
B19058	Public Assistance Income Or Food Stamps/Snap In The Past 12 Months For Households		91	38-40
B19059	Retirement Income In The Past 12 Months For Households		91	41-43
B19060	Other Types Of Income In The Past 12 Months For Households		91	44-46
B19061	Aggregate Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For Households		91	47-47
B19062	Aggregate Wage Or Salary Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For Households		91	48-48
B19063	Aggregate Self-Employment Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For Households		91	49-49
B19064	Aggregate Interest, Dividends, Or Net Rental Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For Households		91	50-50
B19065	Aggregate Social Security Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For Households		91	51-51
B19066	Aggregate Supplemental Security Income (Ssi) In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For Households		91	52-52
B19067	Aggregate Public Assistance Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For Households		91	53-53
B19069	Aggregate Retirement Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For Households		91	54-54
B19070	Aggregate Other Types Of Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For Households		91	55-55
B19080	Household Income Quintile Upper Limits		91	56-60
B19081	Mean Household Income Of Quintiles		91	61-66
B19082	Shares Of Aggregate Household Income By Quintile		91	67-72
B19083	Gini Index Of Income Inequality		91	73-73
B19101	Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		91	74-90
B19101A	Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (White Alone Householder)		91	91-107
C19037G	Age Of Householder By Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Two Or More Races Householder)		91	108-152
C19037H	Age Of Householder By Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (White Alone, Not Hispanic Or Latino Householder)		91	153-197
C19037I	Age Of Householder By Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Hispanic Or Latino Householder)		91	198-242
B19101B	Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Black Or African American Alone Householder)		92	7-23
B19101C	Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (American Indian And Alaska Native Alone Householder)		92	24-40
B19101D	Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Asian Alone Householder)		92	41-57
B19101E	Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Native Hawaiian And Other Pacific Islander Alone Householder)		92	58-74
B19101F	Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Some Other Race Alone Householder)		92	75-91

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
B19101G	Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Two Or More Races Householder)		92	92-108
B19101H	Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (White Alone, Not Hispanic Or Latino Householder)		92	109-125
B19101I	Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Hispanic Or Latino Householder)		92	126-142
C19101	Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		92	143-153
C19101A	Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (White Alone Householder)		92	154-164
C19101B	Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Black Or African American Alone Householder)		92	165-175
C19101C	Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (American Indian And Alaska Native Alone Householder)		92	176-186
C19101D	Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Asian Alone Householder)		92	187-197
C19101E	Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Native Hawaiian And Other Pacific Islander Alone Householder)		92	198-208
C19101F	Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Some Other Race Alone Householder)		92	209-219
C19101G	Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Two Or More Races Householder)		92	220-230
C19101H	Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (White Alone, Not Hispanic Or Latino Householder)		92	231-241
B19113	Median Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		93	7-7
B19113A	Median Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (White Alone Householder)		93	8-8
B19113B	Median Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Black Or African American Alone Householder)		93	9-9
B19113C	Median Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (American Indian And Alaska Native Alone Householder)		93	10-10
B19113D	Median Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Asian Alone Householder)		93	11-11
B19113E	Median Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Native Hawaiian And Other Pacific Islander Alone Householder)		93	12-12
B19113F	Median Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Some Other Race Alone Householder)		93	13-13
B19113G	Median Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Two Or More Races)		93	14-14
B19113H	Median Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (White Alone, Not Hispanic Or Latino Householder)		93	15-15
B19113I	Median Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Hispanic Or Latino Householder)		93	16-16
B19119	Median Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Family Size		93	17-23
B19121	Median Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Number Of Earners In Family		93	24-28
B19125	Median Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Presence Of Own Children Under 18 Years		93	29-31
B19126	Median Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Family Type By Presence Of Own Children Under 18 Years		93	32-42
B19127	Aggregate Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		93	43-43
B19128	Aggregate Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Family Type By Presence Of Own Children Under 18 Years		93	44-54
B19129	Aggregate Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Number Of Workers In Family		93	55-61
B19130	Aggregate Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Family Type By Age Of Householder		93	62-90
B19131	Family Type By Presence Of Own Children Under 18 Years By Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		93	91-197
C19101I	Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Hispanic Or Latino Householder)		93	198-208
B19201	Nonfamily Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		94	7-23

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
B19202	Median Nonfamily Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		94	24-24
B19202A	Median Nonfamily Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (White Alone Householder)		94	25-25
B19202B	Median Nonfamily Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Black Or African American Alone Householder)		94	26-26
B19202C	Median Nonfamily Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (American Indian And Alaska Native Alone Householder)		94	27-27
B19202D	Median Nonfamily Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Asian Alone Householder)		94	28-28
B19202E	Median Nonfamily Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Native Hawaiian And Other Pacific Islander Alone Householder)		94	29-29
B19202F	Median Nonfamily Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Some Other Race Alone Householder)		94	30-30
B19202G	Median Nonfamily Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Two Or More Races Householder)		94	31-31
B19202H	Median Nonfamily Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (White Alone, Not Hispanic Or Latino Householder)		94	32-32
B19202I	Median Nonfamily Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Hispanic Or Latino Householder)		94	33-33
B19214	Aggregate Nonfamily Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		94	34-34
B19215	Median Nonfamily Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Sex Of Householder By Living Alone By Age Of Householder		94	35-49
B19216	Aggregate Nonfamily Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Sex Of Householder By Living Alone By Age Of Householder		94	50-64
B19301	Per Capita Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		94	65-65
B19301A	Per Capita Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (White Alone)		94	66-66
B19301B	Per Capita Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Black Or African American Alone)		94	67-67
B19301C	Per Capita Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (American Indian And Alaska Native Alone)		94	68-68
B19301D	Per Capita Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Asian Alone)		94	69-69
B19301E	Per Capita Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Native Hawaiian And Other Pacific Islander Alone)		94	70-70
B19301F	Per Capita Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Some Other Race Alone)		94	71-71
B19301G	Per Capita Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Two Or More Races)		94	72-72
B19301H	Per Capita Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (White Alone, Not Hispanic Or Latino)		94	73-73
B19301I	Per Capita Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) (Hispanic Or Latino)		94	74-74
B19313	Aggregate Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		94	75-75
B19313A	Aggregate Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 15 Years And Over (White Alone)		94	76-76
B19313B	Aggregate Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 15 Years And Over (Black Or African American Alone)		94	77-77
B19313C	Aggregate Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 15 Years And Over (American Indian And Alaska Native Alone)		94	78-78
B19313D	Aggregate Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 15 Years And Over (Asian Alone)		94	79-79
B19313E	Aggregate Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 15 Years And Over (Native Hawaiian And Other Pacific Islander Alone)		94	80-80
B19313F	Aggregate Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 15 Years And Over (Some Other Race Alone)		94	81-81
B19313G	Aggregate Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 15 Years And Over (Two Or More Races)		94	82-82
B19313H	Aggregate Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 15 Years And Over (White Alone, Not Hispanic Or Latino)		94	83-83
B19313I	Aggregate Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 15 Years And Over (Hispanic Or Latino)		94	84-84

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
C19131	Family Type By Presence Of Own Children Under 18 Years By Family Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		94	85-155
C19201	Nonfamily Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		94	156-166
B19325	Sex By Work Experience In The Past 12 Months By Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 15 Years And Over		95	7-101
B19326	Median Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Sex By Work Experience In The Past 12 Months For The Population 15 Years And Over With Income		95	102-108
B20001	Sex By Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 16 Years And Over With Earnings In The Past 12 Months		96	7-49
B20002	Median Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Sex For The Population 16 Years And Over With Earnings In The Past 12 Months		96	50-52
B20003	Aggregate Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Sex By Work Experience For The Population 16 Years And Over With Earnings		96	53-59
B20004	Median Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Sex By Educational Attainment For The Population 25 Years And Over		96	60-77
B20005	Sex By Work Experience In The Past 12 Months By Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 16 Years And Over		96	78-172
B20005A	Sex By Work Experience In The Past 12 Months By Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 16 Years And Over (White Alone)		97	7-101
B20005B	Sex By Work Experience In The Past 12 Months By Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 16 Years And Over (Black Or African American Alone)		97	102-196
B20005C	Sex By Work Experience In The Past 12 Months By Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 16 Years And Over (American Indian And Alaska Native Alone)		98	7-101
B20005D	Sex By Work Experience In The Past 12 Months By Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 16 Years And Over (Asian Alone)		98	102-196
B20005E	Sex By Work Experience In The Past 12 Months By Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 16 Years And Over (Native Hawaiian And Other Pacific Islander Alone)		99	7-101
B20005F	Sex By Work Experience In The Past 12 Months By Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 16 Years And Over (Some Other Race Alone)		99	102-196
B20005G	Sex By Work Experience In The Past 12 Months By Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 16 Years And Over (Two Or More Races)		100	7-101
B20005H	Sex By Work Experience In The Past 12 Months By Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 16 Years And Over (White Alone, Not Hispanic Or Latino)		100	102-196
B20005I	Sex By Work Experience In The Past 12 Months By Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 16 Years And Over (Hispanic Or Latino)		101	7-101
C20005	Sex By Work Experience In The Past 12 Months By Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 16 Years And Over		101	102-140
C20005A	Sex By Work Experience In The Past 12 Months By Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 16 Years And Over (White Alone)		101	141-179
C20005B	Sex By Work Experience In The Past 12 Months By Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 16 Years And Over (Black Or African American Alone)		101	180-218
C20005C	Sex By Work Experience In The Past 12 Months By Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 16 Years And Over (American Indian And Alaska Native Alone)		102	7-45
C20005D	Sex By Work Experience In The Past 12 Months By Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 16 Years And Over (Asian Alone)		102	46-84
C20005E	Sex By Work Experience In The Past 12 Months By Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 16 Years And Over (Native Hawaiian And Other Pacific Islander Alone)		102	85-123
C20005F	Sex By Work Experience In The Past 12 Months By Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 16 Years And Over (Some Other Race Alone)		102	124-162
C20005G	Sex By Work Experience In The Past 12 Months By Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 16 Years And Over (Two Or More Races)		102	163-201

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
C20005H	Sex By Work Experience In The Past 12 Months By Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 16 Years And Over (White Alone, Not Hispanic Or Latino)		102	202-240
B20017	Median Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Sex By Work Experience In The Past 12 Months For The Population 16 Years And Over With Earnings In The Past 12 Months		103	7-13
B20017A	Median Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Sex By Work Experience In The Past 12 Months For The Population 16 Years And Over With Earnings In The Past 12 Months (White Alone)		103	14-20
B20017B	Median Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Sex By Work Experience In The Past 12 Months For The Population 16 Years And Over With Earnings In The Past 12 Months (Black Or African American Alone)		103	21-27
B20017C	Median Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Sex By Work Experience In The Past 12 Months For The Population 16 Years And Over With Earnings In The Past 12 Months (American Indian And Alaska Native Alone)		103	28-34
B20017D	Median Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Sex By Work Experience In The Past 12 Months For The Population 16 Years And Over With Earnings In The Past 12 Months (Asian Alone)		103	35-41
B20017E	Median Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Sex By Work Experience In The Past 12 Months For The Population 16 Years And Over With Earnings In The Past 12 Months (Native Hawaiian And Other Pacific Islander Alone)		103	42-48
B20017F	Median Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Sex By Work Experience In The Past 12 Months For The Population 16 Years And Over With Earnings In The Past 12 Months (Some Other Race Alone)		103	49-55
B20017G	Median Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Sex By Work Experience In The Past 12 Months For The Population 16 Years And Over With Earnings In The Past 12 Months (Two Or More Races)		103	56-62
B20017H	Median Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Sex By Work Experience In The Past 12 Months For The Population 16 Years And Over With Earnings In The Past 12 Months (White Alone, Not Hispanic Or Latino)		103	63-69
B20017I	Median Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Sex By Work Experience In The Past 12 Months For The Population 16 Years And Over With Earnings (Hispanic Or Latino)		103	70-76
C20005I	Sex By Work Experience In The Past 12 Months By Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Population 16 Years And Over (Hispanic Or Latino)		103	77-115
B21001	Sex By Age By Veteran Status For The Civilian Population 18 Years And Over		104	7-45
B21001A	Sex By Age By Veteran Status For The Civilian Population 18 Years And Over (White Alone)		104	46-78
B21001B	Sex By Age By Veteran Status For The Civilian Population 18 Years And Over (Black Or African American Alone)		104	79-111
B21001C	Sex By Age By Veteran Status For The Civilian Population 18 Years And Over (American Indian And Alaska Native Alone)		104	112-144
B21001D	Sex By Age By Veteran Status For The Civilian Population 18 Years And Over (Asian Alone)		104	145-177
B21001E	Sex By Age By Veteran Status For The Civilian Population 18 Years And Over (Native Hawaiian And Other Pacific Islander Alone)		104	178-210
B21001F	Sex By Age By Veteran Status For The Civilian Population 18 Years And Over (Some Other Race Alone)		104	211-243
B21001G	Sex By Age By Veteran Status For The Civilian Population 18 Years And Over (Two Or More Races)		105	7-39
B21001H	Sex By Age By Veteran Status For The Civilian Population 18 Years And Over (White Alone, Not Hispanic Or Latino)		105	40-72
B21001I	Sex By Age By Veteran Status For The Civilian Population 18 Years And Over (Hispanic Or Latino)		105	73-105
C21001A	Sex By Age By Veteran Status For The Civilian Population 18 Years And Over (White Alone)		105	106-120
C21001B	Sex By Age By Veteran Status For The Civilian Population 18 Years And Over (Black Or African American Alone)		105	121-135
C21001C	Sex By Age By Veteran Status For The Civilian Population 18 Years And Over (American Indian And Alaska Native Alone)		105	136-150
C21001D	Sex By Age By Veteran Status For The Civilian Population 18 Years And Over (Asian Alone)		105	151-165
C21001E	Sex By Age By Veteran Status For The Civilian Population 18 Years And Over (Native Hawaiian And Other Pacific Islander Alone)		105	166-180

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
C21001F	Sex By Age By Veteran Status For The Civilian Population 18 Years And Over (Some Other Race Alone)		105	181-195
C21001G	Sex By Age By Veteran Status For The Civilian Population 18 Years And Over (Two Or More Races)		105	196-210
C21001H	Sex By Age By Veteran Status For The Civilian Population 18 Years And Over (White Alone, Not Hispanic Or Latino)		105	211-225
C21001I	Sex By Age By Veteran Status For The Civilian Population 18 Years And Over (Hispanic Or Latino)		105	226-240
B21002	Period Of Military Service For Civilian Veterans 18 Years And Over		106	7-22
B21003	Veteran Status By Educational Attainment For The Civilian Population 25 Years And Over		106	23-33
B21004	Median Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Veteran Status By Sex For The Civilian Population 18 Years And Over With Income		106	34-40
B21005	Age By Veteran Status By Employment Status For The Civilian Population 18 To 64 Years		106	41-74
B21007	Age By Veteran Status By Poverty Status In The Past 12 Months By Disability Status For The Civilian Population 18 Years And Over		106	75-135
B21100	Service-Connected Disability-Rating Status And Ratings For Civilian Veterans 18 Years And Over		106	136-144
C21005	Veteran Status By Employment Status For The Civilian Population 18 To 64 Years		106	145-155
C21007	Age By Veteran Status By Poverty Status In The Past 12 Months By Disability Status For The Civilian Population 18 Years And Over		106	156-186
C21100	Service-Connected Disability-Rating Status For Civilian Veterans 18 Years And Over		106	187-189
B22001	Receipt Of Food Stamps/Snap In The Past 12 Months By Presence Of People 60 Years And Over For Households		107	7-13
B22002	Receipt Of Food Stamps/Snap In The Past 12 Months By Presence Of Children Under 18 Years By Household Type For Households		107	14-40
B22003	Receipt Of Food Stamps/Snap In The Past 12 Months By Poverty Status In The Past 12 Months For Households		107	41-47
B22005A	Receipt Of Food Stamps/Snap In The Past 12 Months By Race Of Householder (White Alone)		107	48-50
B22005B	Receipt Of Food Stamps/Snap In The Past 12 Months By Race Of Householder (Black Or African American Alone)		107	51-53
B22005C	Receipt Of Food Stamps/Snap In The Past 12 Months By Race Of Householder (American Indian And Alaska Native Alone)		107	54-56
B22005D	Receipt Of Food Stamps/Snap In The Past 12 Months By Race Of Householder (Asian Alone)		107	57-59
B22005E	Receipt Of Food Stamps/Snap In The Past 12 Months By Race Of Householder (Native Hawaiian And Other Pacific Islander Alone)		107	60-62
B22005F	Receipt Of Food Stamps/Snap In The Past 12 Months By Race Of Householder (Some Other Race Alone)		107	63-65
B22005G	Receipt Of Food Stamps/Snap In The Past 12 Months By Race Of Householder (Two Or More Races)		107	66-68
B22005H	Receipt Of Food Stamps/Snap In The Past 12 Months By Race Of Householder (White Alone, Not Hispanic Or Latino)		107	69-71
B22005I	Receipt Of Food Stamps/Snap In The Past 12 Months By Race Of Householder (Hispanic Or Latino)		107	72-74
B22007	Receipt Of Food Stamps/Snap In The Past 12 Months By Family Type By Number Of Workers In Family In The Past 12 Months		107	75-117
B22008	Median Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Receipt Of Food Stamps/Snap In The Past 12 Months		107	118-120
B22010	Receipt Of Food Stamps/Snap In The Past 12 Months By Disability Status For Households		107	121-127
C22001	Receipt Of Food Stamps/Snap In The Past 12 Months For Households		107	128-130
C22002	Receipt Of Food Stamps/Snap In The Past 12 Months By Presence Of Children Under 18 Years For Households		107	131-137
C22007	Receipt Of Food Stamps/Snap In The Past 12 Months By Family Type By Number Of Workers In Family In The Past 12 Months		107	138-166
B23001	Sex By Age By Employment Status For The Population 16 Years And Over		108	7-179
B23002A	Sex By Age By Employment Status For The Population 16 Years And Over (White Alone)		109	7-85
C23001	Sex By Age By Employment Status For The Population 16 Years And Over		109	86-178

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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
B23002B	Sex By Age By Employment Status For The Population 16 Years And Over (Black Or African American Alone)		110	7-85
B23002C	Sex By Age By Employment Status For The Population 16 Years And Over (American Indian And Alaska Native Alone)		110	86-164
B23002D	Sex By Age By Employment Status For The Population 16 Years And Over (Asian Alone)		110	165-243
B23002E	Sex By Age By Employment Status For The Population 16 Years And Over (Native Hawaiian And Other Pacific Islander Alone)		111	7-85
B23002F	Sex By Age By Employment Status For The Population 16 Years And Over (Some Other Race Alone)		111	86-164
B23002G	Sex By Age By Employment Status For The Population 16 Years And Over (Two Or More Races)		111	165-243
B23002H	Sex By Age By Employment Status For The Population 16 Years And Over (White Alone, Not Hispanic Or Latino)		112	7-85
B23002I	Sex By Age By Employment Status For The Population 16 Years And Over (Hispanic Or Latino)		112	86-164
C23002A	Sex By Age By Employment Status For The Population 16 Years And Over (White Alone)		112	165-191
C23002B	Sex By Age By Employment Status For The Population 16 Years And Over (Black Or African American Alone)		112	192-218
C23002C	Sex By Age By Employment Status For The Population 16 Years And Over (American Indian And Alaska Native Alone)		112	219-245
B23003	Presence Of Own Children Under 18 Years By Age Of Own Children Under 18 Years By Employment Status For Females 20 To 64 Years		113	7-36
B23004	Work Status In The Past 12 Months By Age By Employment Status For The Civilian Population 65 Years And Over		113	37-55
C23002D	Sex By Age By Employment Status For The Population 16 Years And Over (Asian Alone)		113	56-82
C23002E	Sex By Age By Employment Status For The Population 16 Years And Over (Native Hawaiian And Other Pacific Islander Alone)		113	83-109
C23002F	Sex By Age By Employment Status For The Population 16 Years And Over (Some Other Race Alone)		113	110-136
C23002G	Sex By Age By Employment Status For The Population 16 Years And Over (Two Or More Races)		113	137-163
C23002H	Sex By Age By Employment Status For The Population 16 Years And Over (White Alone, Not Hispanic Or Latino)		113	164-190
C23002I	Sex By Age By Employment Status For The Population 16 Years And Over (Hispanic Or Latino)		113	191-217
C23004	Work Status In The Past 12 Months By Employment Status For The Civilian Population 65 Years And Over		113	218-224
B23006	Educational Attainment By Employment Status For The Population 25 To 64 Years		114	7-35
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B24010G	Sex By Occupation For The Civilian Employed Population 16 Years And Over (Two Or More Races)		119	80-152
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B24010I	Sex By Occupation For The Civilian Employed Population 16 Years And Over (Hispanic Or Latino)		120	7-79
C24010	Sex By Occupation For The Civilian Employed Population 16 Years And Over		120	80-152
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B24122	Detailed Occupation By Median Earnings In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) For The Full-Time, Year-Round Civilian Employed Male Population 16 Years And Over	US Only	136	7-251
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B24124	Detailed Occupation For The Full-Time, Year-Round Civilian Employed Population 16 Years And Over	US Only	144	7-42
B24125	Detailed Occupation For The Full-Time, Year-Round Civilian Employed Male Population 16 Years And Over	US Only	145	7-251
B24125	Detailed Occupation For The Full-Time, Year-Round Civilian Employed Male Population 16 Years And Over	US Only	146	7-251
B24125	Detailed Occupation For The Full-Time, Year-Round Civilian Employed Male Population 16 Years And Over	US Only	147	7-42
B24126	Detailed Occupation For The Full-Time, Year-Round Civilian Employed Female Population 16 Years And Over	US Only	148	7-251
B24126	Detailed Occupation For The Full-Time, Year-Round Civilian Employed Female Population 16 Years And Over	US Only	149	7-251
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C25032C	Units In Structure (American Indian And Alaska Native Alone Householder)		153	203-207
C25032D	Units In Structure (Asian Alone Householder)		153	208-212
C25032E	Units In Structure (Native Hawaiian And Other Pacific Islander Alone Householder)		153	213-217
C25032F	Units In Structure (Some Other Race Alone Householder)		153	218-222
C25032G	Units In Structure (Two Or More Races Householder)		153	223-227
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C25061	Rent Asked		154	243-249
B25066	Aggregate Gross Rent (Dollars) By Units In Structure		155	7-14
B25067	Aggregate Gross Rent (Dollars) By Meals Included In Rent		155	15-17
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B25070	Gross Rent As A Percentage Of Household Income In The Past 12 Months		155	58-68
B25071	Median Gross Rent As A Percentage Of Household Income In The Past 12 Months (Dollars)		155	69-69
B25072	Age Of Householder By Gross Rent As A Percentage Of Household Income In The Past 12 Months		155	70-98
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C25066	Aggregate Gross Rent (Dollars) By Units In Structure		155	149-152
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B25077	Median Value (Dollars)		156	83-83
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B25079	Aggregate Value (Dollars) By Age Of Householder		156	85-89
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B25091	Mortgage Status By Selected Monthly Owner Costs As A Percentage Of Household Income In The Past 12 Months		156	174-196
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B25093	Age Of Householder By Selected Monthly Owner Costs As A Percentage Of Household Income In The Past 12 Months		157	7-35
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B25095	Household Income By Selected Monthly Owner Costs As A Percentage Of Household Income In The Past 12 Months		157	50-106
B25096	Mortgage Status By Value		157	107-123
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B25098	Mortgage Status By Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		157	127-145
B25099	Mortgage Status By Median Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		157	146-148
B25100	Mortgage Status By Ratio Of Value To Household Income In The Past 12 Months		157	149-161
C25093	Age Of Householder By Selected Monthly Owner Costs As A Percentage Of Household Income In The Past 12 Months		157	162-178
C25095	Household Income By Selected Monthly Owner Costs As A Percentage Of Household Income In The Past 12 Months		157	179-207
B25101	Mortgage Status By Monthly Housing Costs As A Percentage Of Household Income In The Past 12 Months		158	7-51
B25102	Mortgage Status By Real Estate Taxes Paid		158	52-66
B25103	Mortgage Status By Median Real Estate Taxes Paid (Dollars)		158	67-69
B25104	Monthly Housing Costs		158	70-84
B25105	Median Monthly Housing Costs (Dollars)		158	85-85
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B25110	Aggregate Value (Dollars) By Year Householder Moved Into Unit		158	159-165
B25111	Median Gross Rent By Year Structure Built		158	166-175
B25112	Aggregate Gross Rent (Dollars) By Year Structure Built		158	176-185
B25113	Median Gross Rent By Year Householder Moved Into Unit		158	186-192
B25114	Aggregate Gross Rent (Dollars) By Year Householder Moved Into Unit		158	193-199
B25115	Tenure By Household Type And Presence And Age Of Own Children		158	200-226
C25108	Aggregate Value (Dollars) By Year Structure Built		158	227-233
C25110	Aggregate Value (Dollars) By Year Householder Moved Into Unit		158	234-238
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B25116	Tenure By Household Size By Age Of Householder		159	7-29
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B25119	Median Household Income The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Tenure		159	76-78
B25120	Aggregate Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Tenure And Mortgage Status		159	79-83
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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
C25117	Tenure By House Heating Fuel		159	220-230
B25122	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Gross Rent		160	7-126
B25123	Tenure By Selected Physical And Financial Conditions		160	127-139
C25121	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Value		160	140-170
C25122	Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars) By Gross Rent		160	171-201
C25123	Tenure By Selected Physical And Financial Conditions		160	202-208
B25124	Tenure By Household Size By Units In Structure		161	7-79
B25125	Tenure By Age Of Householder By Units In Structure		161	80-124
B25126	Tenure By Age Of Householder By Year Structure Built		161	125-187
B25127	Tenure By Year Structure Built By Units In Structure		162	7-79
B25128	Tenure By Age Of Householder By Year Householder Moved Into Unit		162	80-124
B25129	Tenure By Year Householder Moved Into Unit By Units In Structure		162	125-211
B26001	Group Quarters Population		163	7-7
B27001	Health Insurance Coverage Status By Sex By Age		164	7-63
B27001A	Health Insurance Coverage Status By Age (White Alone)		164	64-91
B27001B	Health Insurance Coverage Status By Age (Black Or African American Alone)		164	92-119
B27001C	Health Insurance Coverage Status By Age (American Indian And Alaska Native Alone)		164	120-147
B27001D	Health Insurance Coverage Status By Age (Asian Alone)		164	148-175
B27001E	Health Insurance Coverage Status By Age (Native Hawaiian And Other Pacific Islander Alone)		164	176-203
B27001F	Health Insurance Coverage Status By Age (Some Other Race Alone)		164	204-231
B27001G	Health Insurance Coverage Status By Age (Two Or More Races)		165	7-34
B27001H	Health Insurance Coverage Status By Age (White Alone, Not Hispanic Or Latino)		165	35-62
B27001I	Health Insurance Coverage Status By Age (Hispanic Or Latino)		165	63-90
C27001	Health Insurance Coverage Status By Sex By Age		165	91-111
C27001A	Health Insurance Coverage Status By Age (White Alone)		165	112-121
C27001B	Health Insurance Coverage Status By Age (Black Or African American Alone)		165	122-131
C27001C	Health Insurance Coverage Status By Age (American Indian And Alaska Native Alone)		165	132-141
C27001D	Health Insurance Coverage Status By Age (Asian Alone)		165	142-151
C27001E	Health Insurance Coverage Status By Age (Native Hawaiian And Other Pacific Islander Alone)		165	152-161
C27001F	Health Insurance Coverage Status By Age (Some Other Race Alone)		165	162-171
C27001G	Health Insurance Coverage Status By Age (Two Or More Races)		165	172-181
C27001H	Health Insurance Coverage Status By Age (White Alone, Not Hispanic Or Latino)		165	182-191
C27001I	Health Insurance Coverage Status By Age (Hispanic Or Latino)		165	192-201
B27002	Private Health Insurance Status By Sex By Age		166	7-63
B27003	Public Health Insurance Status By Sex By Age		166	64-120
B27004	Employer-Based Health Insurance By Sex By Age		166	121-177
C27002	Private Health Insurance Status By Sex By Age		166	178-198
C27003	Public Health Insurance Status By Sex By Age		166	199-219
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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
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B27006	Medicare Coverage By Sex By Age		167	64-120
B27007	Medicaid/Means-Tested Public Coverage By Sex By Age		167	121-177
C27005	Direct-Purchase Health Insurance By Sex By Age		167	178-198
C27006	Medicare Coverage By Sex By Age		167	199-219
C27007	Medicaid/Means-Tested Public Coverage By Sex By Age		167	220-240
B27008	Tricare/Military Health Coverage By Sex By Age		168	7-63
B27009	Va Health Care By Sex By Age		168	64-120
B27010	Types Of Health Insurance Coverage By Age		168	121-186
C27008	Tricare/Military Health Coverage By Sex By Age		168	187-207
C27009	Va Health Care By Sex By Age		168	208-228
C27010	Types Of Health Insurance Coverage By Age		168	229-249
B27011	Health Insurance Coverage Status And Type By Employment Status By Age		169	7-41
B27012	Health Insurance Coverage Status And Type By Work Experience By Sex By Age		169	42-135
B27013	Private Health Insurance By Work Experience By Sex By Age		169	136-181
C27012	Health Insurance Coverage Status And Type By Work Experience By Age		169	182-227
C27013	Private Health Insurance By Work Experience By Age		169	228-249
B27014	Public Health Insurance By Work Experience By Sex By Age		170	7-52
B27015	Health Insurance Coverage Status And Type By Household Income In The Past 12 Months (In 2012 Inflation-Adjusted Dollars)		170	53-78
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B27016	Health Insurance Coverage Status And Type By Ratio Of Income To Poverty Level In The Past 12 Months By Age		171	7-205
C27016	Health Insurance Coverage Status By Ratio Of Income To Poverty Level In The Past 12 Months By Age		171	206-246
B27017	Private Health Insurance By Ratio Of Income To Poverty Level In The Past 12 Months By Age		172	7-97
B27018	Public Health Insurance By Ratio Of Income To Poverty Level In The Past 12 Months By Age		172	98-188
C27017	Private Health Insurance By Ratio Of Income To Poverty Level In The Past 12 Months By Age		172	189-229
B27019	Health Insurance Coverage Status And Type By Age By Educational Attainment		173	7-49
B27020	Health Insurance Coverage Status And Type By Citizenship Status		173	50-66
B27021	Health Insurance Coverage Status And Type By Living Arrangement		173	67-119
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B99031	Imputation Of Hispanic Or Latino Origin		175	16-18
B99051	Imputation Of Citizenship Status		175	19-25
B99052	Imputation Of Year Of Entry	US Only	175	26-32
B99052PR	Imputation Of Year Of Entry For Population Born Outside Puerto Rico	PR Only	175	33-39
B99053	Imputation Of Year Of Naturalization		175	40-42
B99061	Imputation Of Place Of Birth		175	43-45
B99071	Imputation Of Mobility Status For The Population 1 Year And Over		175	46-48
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B99086	Imputation Of Means Of Transportation To Work For Workplace Geography	Place of Work Only	176	7-9
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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
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B99161	Imputation Of Language Status For The Population 5 Years And Over		177	59-61
B99162	Imputation Of Language Spoken At Home For The Population 5 Years And Over		177	62-68
B99163	Imputation Of Ability To Speak English For The Population 5 Years And Over		177	69-73
B99171	Imputation Of Poverty Status In The Past 12 Months For Unrelated Individuals		177	74-88
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B99181	Imputation Of Disability Items For The Civilian Noninstitutionalized Population		177	104-106
B99182	Imputation Of Hearing Difficulty For The Civilian Noninstitutionalized Population		177	107-109
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B99184	Imputation Of Cognitive Difficulty For The Civilian Noninstitutionalized Population 5 Years And Over		177	113-115
B99185	Imputation Of Ambulatory Difficulty For The Civilian Noninstitutionalized Population 5 Years And Over		177	116-118
B99186	Imputation Of Self-Care Difficulty For The Civilian Noninstitutionalized Population 5 Years And Over		177	119-121
B99187	Age By Imputation Of Independent Living Difficulty For The Civilian Noninstitutionalized Population 15 Years And Over		177	122-128
B99191	Imputation Of Individuals' Income In The Past 12 Months For The Population 15 Years And Over - Percent Of Income Imputed		177	129-136
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B99193	Imputation Of Family Income In The Past 12 Months -- Percent Of Income Imputed		177	145-152
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B99201	Imputation Of Earnings In The Past 12 Months For The Population 16 Years And Over - Percent Of Earnings Imputed		177	161-168
B99211	Imputation Of Veteran Status For The Population 18 Years And Over		177	169-171
B99212	Imputation Of Period Of Military Service For Civilian Veterans 18 Years And Over		177	172-174
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B99233	Imputation Of Usual Hours Worked Per Week In The Past 12 Months For The Population 16 Years And Over		177	184-188
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B99241	Imputation Of Industry For The Civilian Employed Population 16 Years And Over		177	194-196
B99242	Imputation Of Occupation For The Civilian Employed Population 16 Years And Over		177	197-199
B99243	Imputation Of Class Of Worker For The Civilian Employed Population 16 Years And Over		177	200-202
B99244	Imputation Of Industry For The Full-Time, Year-Round Civilian Employed Population 16 Years And Over		177	203-205
B99245	Imputation Of Occupation For The Full-Time, Year-Round Civilian Employed Population 16 Years And Over		177	206-208
B99246	Imputation Of Class Of Worker For The Full-Time, Year-Round Civilian Employed Population 16 Years And Over		177	209-211
B992510	Imputation Of Kitchen Facilities		177	212-214
B992511	Imputation Of House Heating Fuel		177	215-217
B992512	Imputation Of Vehicles Available		177	218-220
B992513	Imputation Of Telephone Service Available		177	221-223
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Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
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B992516	Imputation Of Rent Asked		177	230-232
B992518	Imputation Of Gross Rent		177	233-235
B992519	Imputation Of Value		177	236-238
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B992520	Imputation Of Price Asked		177	242-244
B992521	Imputation Of Mortgage Status		177	245-247
B992522	Imputation Of Mortgage Status And Selected Monthly Owner Costs		178	7-13
B992523	Imputation Of Selected Monthly Owner Costs For Owner-Occupied Housing Units		178	14-16
B99253	Imputation Of Vacancy Status		178	17-19
B99254	Imputation Of Rooms		178	20-22
B99255	Imputation Of Units In Structure		178	23-25
B99256	Imputation Of Year Structure Built		178	26-28
B99257	Imputation Of Year Householder Moved Into Unit		178	29-31
B99258	Imputation Of Bedrooms		178	32-34
B99259	Imputation Of Plumbing Facilities	US Only	178	35-37
B992701	Imputation Of Health Insurance Coverage		178	38-40
B992702	Imputation Of Private Health Insurance		178	41-43
B992703	Imputation Of Public Health Insurance		178	44-46
B992704	Imputation Of Employer-Based Health Insurance		178	47-49
B992705	Imputation Of Direct-Purchase Health Insurance		178	50-52
B992706	Imputation Of Medicare Coverage		178	53-55
B992707	Imputation Of Medicaid/Means-Tested Public Coverage		178	56-58
B992708	Imputation Of Tricare/Military Health Coverage		178	59-61
B992709	Imputation Of Va Health Care		178	62-64

Appendix F: ACS 1-Year Summary Levels/Components for Detailed Tables

Summary Level	Component	Name
010	00	United States
010	01	United States; Urban
010	43	United States; Rural
010	89	United States; American Indian Reservation and Trust Land-Federal
010	91	United States; Oklahoma Tribal Statistical Area
010	92	United States; Tribal Designated Statistical Area
010	93	United States; Alaska Native Village Statistical Area
010	94	United States; State Designated Tribal Statistical Area (Formerly SDAISA)
010	A0	United States; In Metropolitan or Micropolitan Statistical Area
010	C0	United States; In Metropolitan Statistical Area
010	C1	United States; In Metropolitan Statistical Area-In Principal City
010	C2	United States; In Metropolitan Statistical Area-Not In Principal City
010	E0	United States; In Micropolitan Statistical Area
010	E1	United States; In Micropolitan Statistical Area-In Principal City
010	E2	United States; In Micropolitan Statistical Area-Not In Principal City
010	G0	United States; Not In Metropolitan or Micropolitan Statistical Area
010	H0	United States; Not In Metropolitan Statistical Area
020	00	Region
020	01	Region; Urban
020	43	Region; Rural
020	A0	Region; In Metropolitan or Micropolitan Statistical Area
020	C0	Region; In Metropolitan Statistical Area
020	C1	Region; In Metropolitan Statistical Area-In Principal City
020	C2	Region; In Metropolitan Statistical Area-Not In Principal City
020	E0	Region; In Micropolitan Statistical Area
020	E1	Region; In Micropolitan Statistical Area-In Principal City
020	E2	Region; In Micropolitan Statistical Area-Not In Principal City
020	G0	Region; Not In Metropolitan or Micropolitan Statistical Area
020	H0	Region; Not In Metropolitan Statistical Area
030	00	Division
030	01	Division; Urban
030	43	Division; Rural
030	A0	Division; In Metropolitan or Micropolitan Statistical Area
030	C0	Division; In Metropolitan Statistical Area
030	C1	Division; In Metropolitan Statistical Area-In Principal City
030	C2	Division; In Metropolitan Statistical Area-Not In Principal City
030	E0	Division; In Micropolitan Statistical Area
030	E1	Division; In Micropolitan Statistical Area-In Principal City
030	E2	Division; In Micropolitan Statistical Area-Not In Principal City
030	G0	Division; Not In Metropolitan or Micropolitan Statistical Area
030	H0	Division; Not In Metropolitan Statistical Area
040	00	State
040	01	State; Urban

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Summary Level	Component	Name
040	43	State; Rural
040	A0	State; In Metropolitan or Micropolitan Statistical Area
040	C0	State; In Metropolitan Statistical Area
040	C1	State; In Metropolitan Statistical Area-In Principal City
040	C2	State; In Metropolitan Statistical Area-Not In Principal City
040	E0	State; In Micropolitan Statistical Area
040	E1	State; In Micropolitan Statistical Area-In Principal City
040	E2	State; In Micropolitan Statistical Area-Not In Principal City
040	G0	State; Not In Metropolitan or Micropolitan Statistical Area
040	H0	State; Not In Metropolitan Statistical Area
050	00	State-County
060	00	State-County-County Subdivision
160	00	State-Place
230	00	State-Alaska Native Regional Corporation
250	00	American Indian Area/Alaska Native Area/Hawaiian Home Land
310	00	Metropolitan Statistical Area/Micropolitan Statistical Area
312	00	Metropolitan Statistical Area/Micropolitan Statistical Area-State-Principal City
314	00	Metropolitan Statistical Area-Metropolitan Division
330	00	Combined Statistical Area
335	00	Combined New England City and Town Area
350	00	New England City and Town Area
352	00	New England City and Town Area-State-Principal City
355	00	New England City and Town Area (NECTA)-NECTA Division
400	00	Urban Area
500	00	State-Congressional District
795	00	State-Public Use Microdata Sample Area (PUMA)
950	00	State-School District (Elementary)
960	00	State-School District (Secondary)
970	00	State-School District (Unified)

Document History

Version #	Date	Summary of Changes
1	09/8/13	Initial Release