How to Access Age, Sex, Race, and Hispanic Origin Data from the 2010 Decennial Census

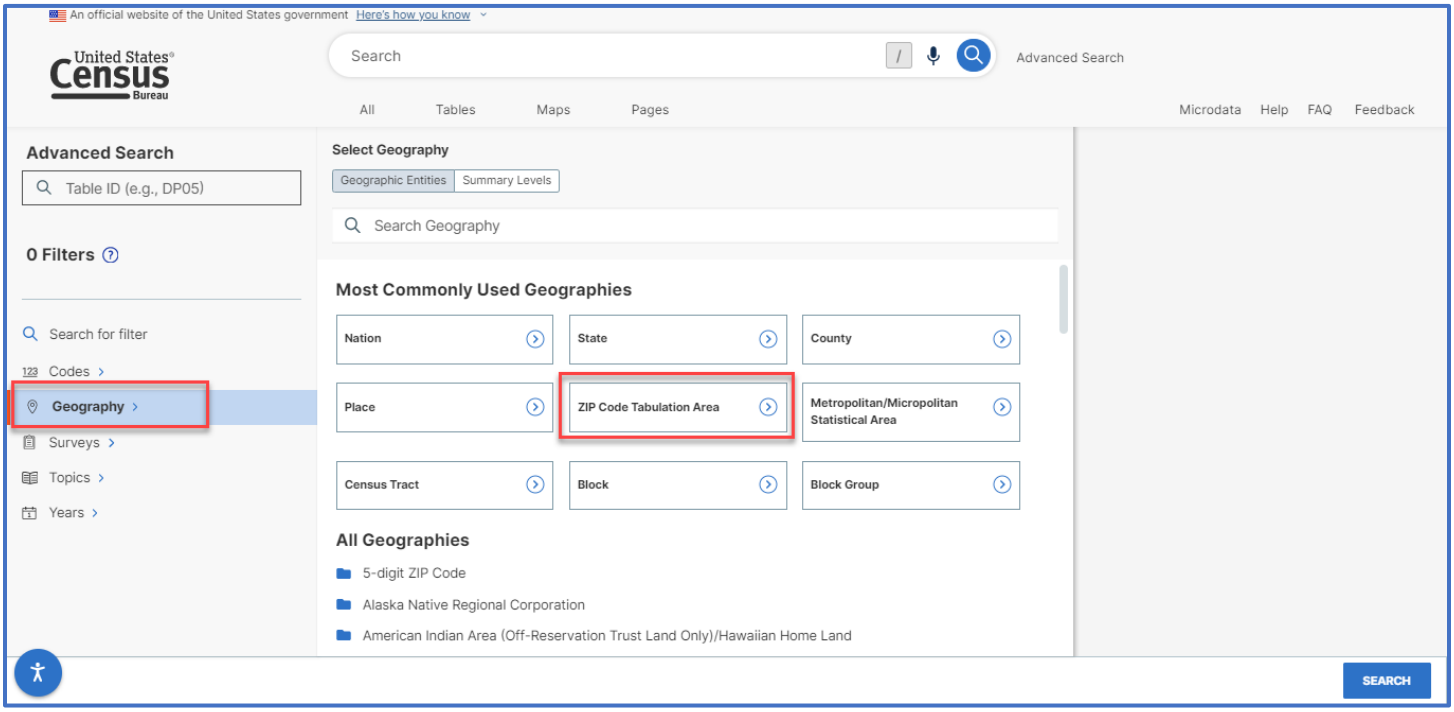
Step by step instructions for accessing the data at data.census.gov

The goal with this example is to find a table in data.census.gov that provides age, sex, race, and Hispanic origin data from the 2010 Decennial Census for some ZIP Code Tabulation Areas (ZCTAs) in New Jersey.

Step 1: Click on the "Advanced Search" button.



Step 2: Click on Geography and ZIP Code Tabulation Area.



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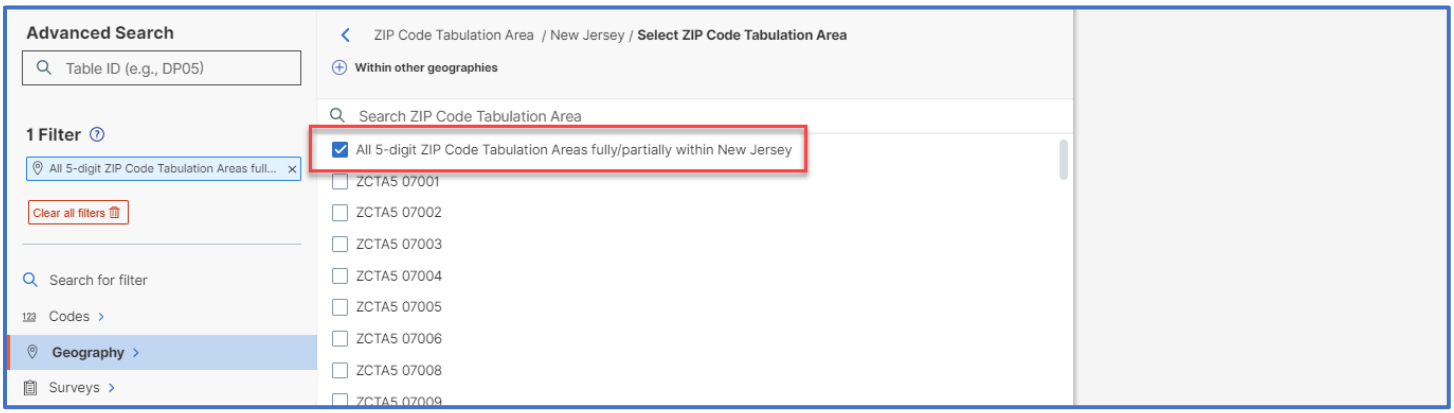
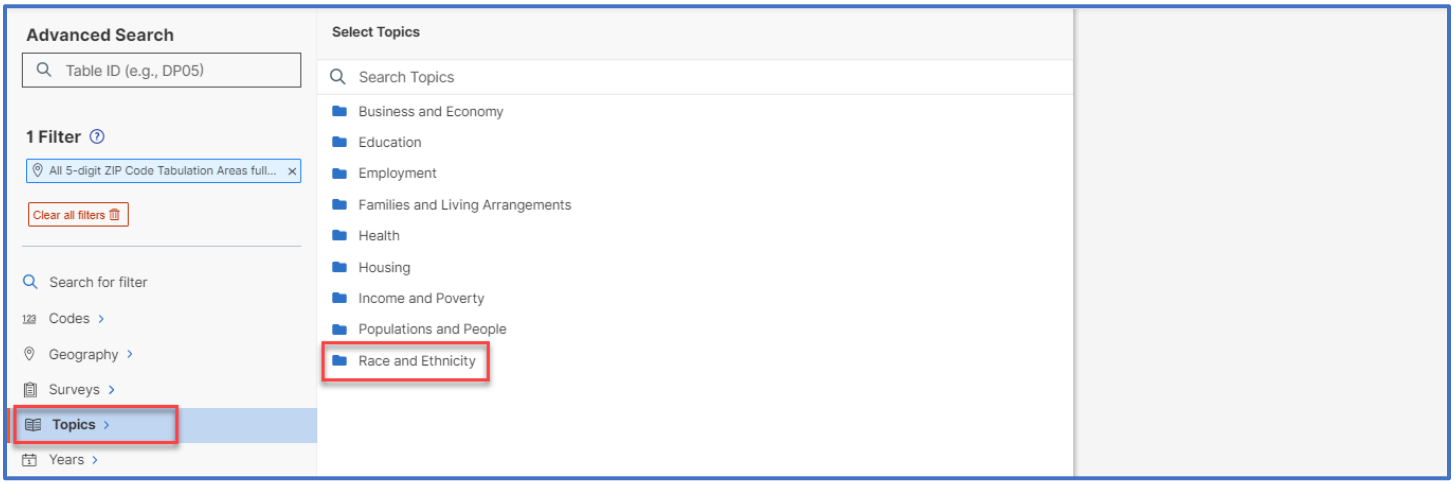
Then click on New Jersey.



Then check the box for All 5-digit ZIP Code Tabulation Areas fully/partially within New Jersey.



Step 3: Now let's add our topics. Click on Topics and then Race and Ethnicity.



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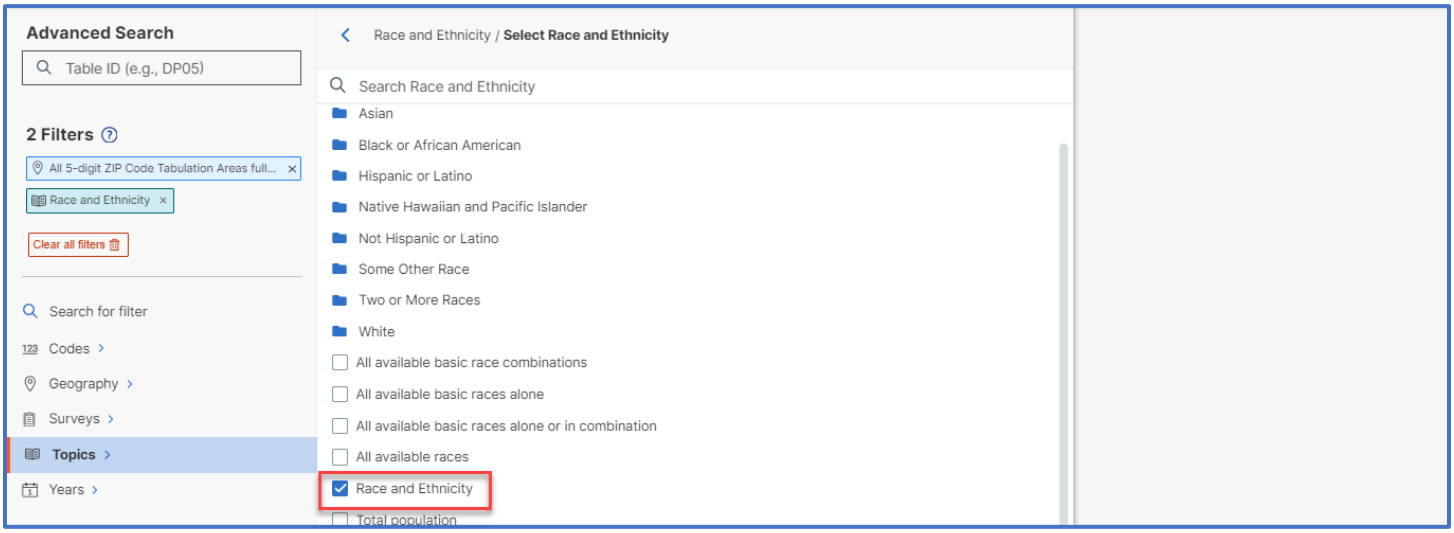
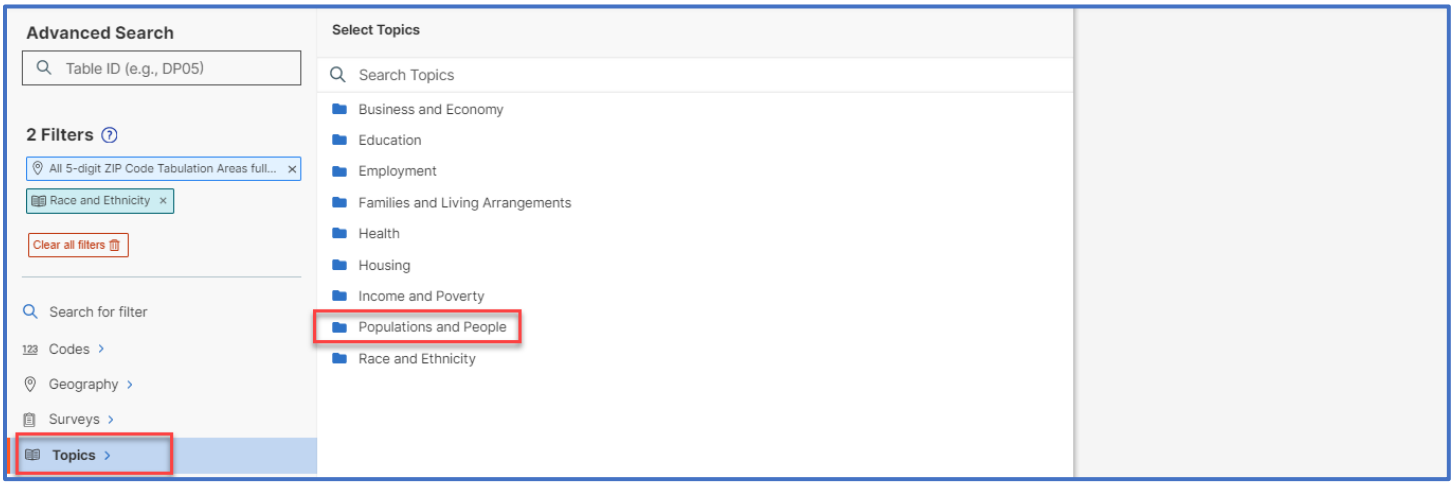
Then check the box for Race and Ethnicity.



Then click on Topics again. Click on Populations and People.



Then check the box for Age and Sex.



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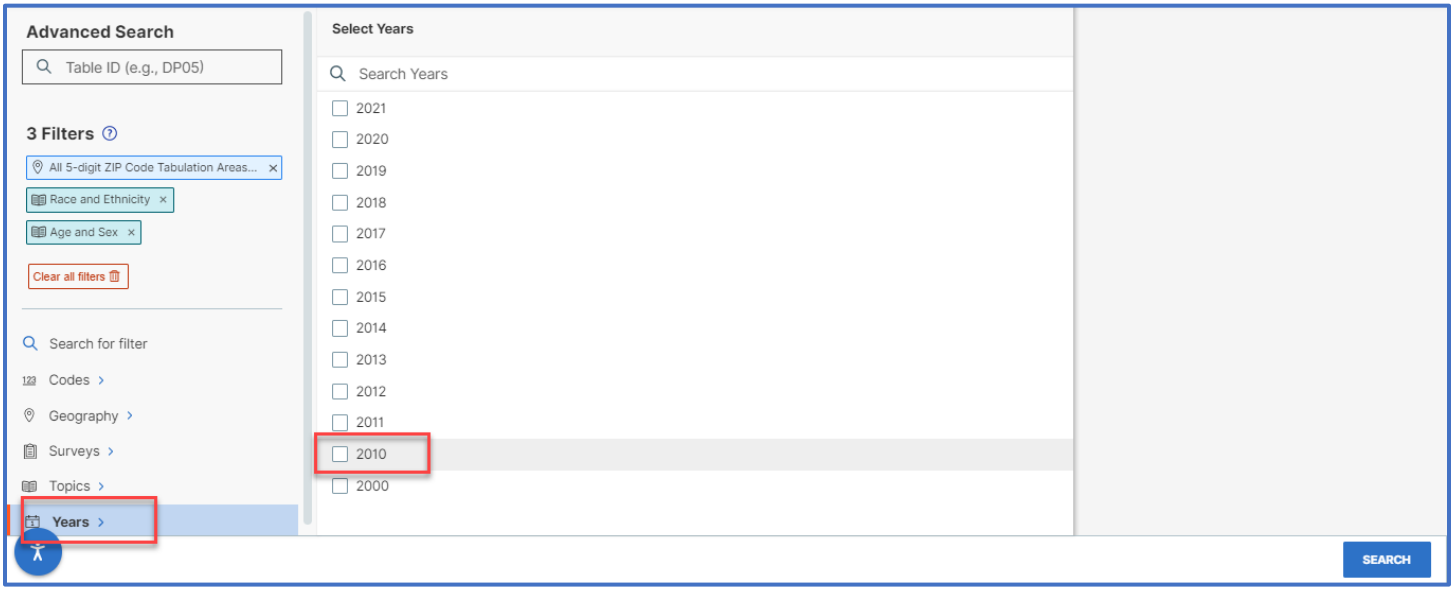
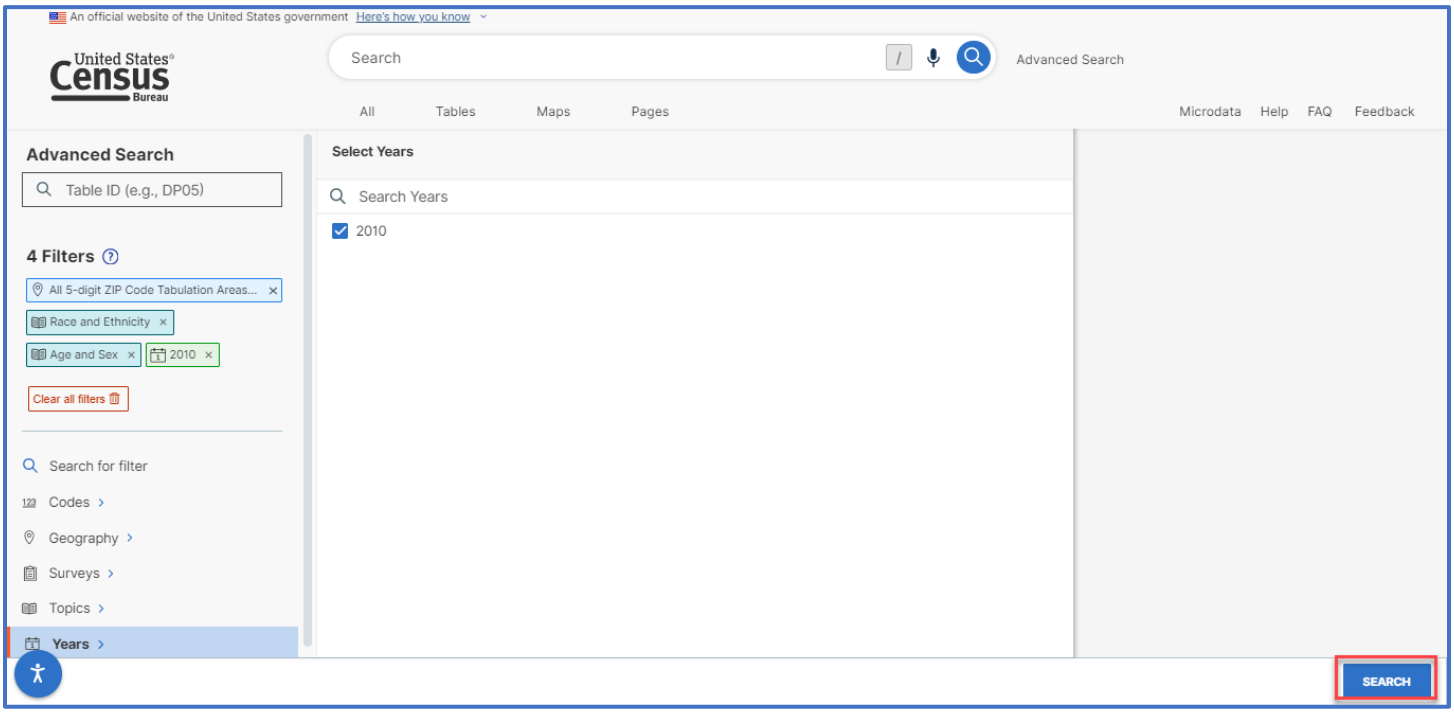
Step 4: Lastly, click on Years and check the box for 2010.



Step 5: Now that the filters we need are selected, click on the Search button in the lower right corner of the screen.



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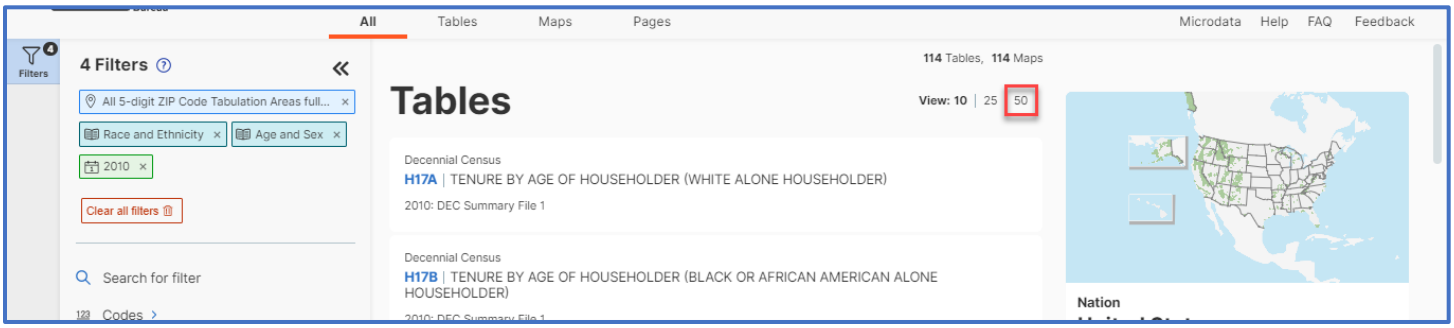
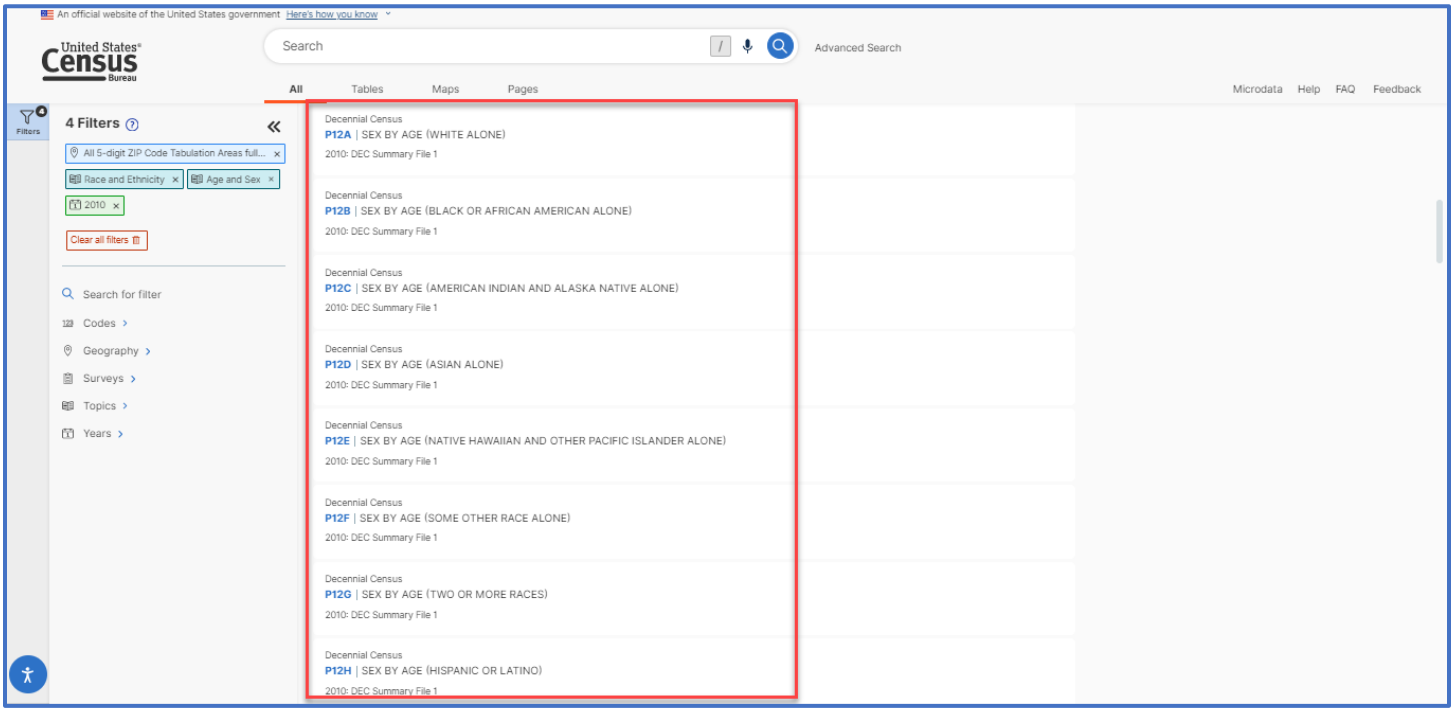
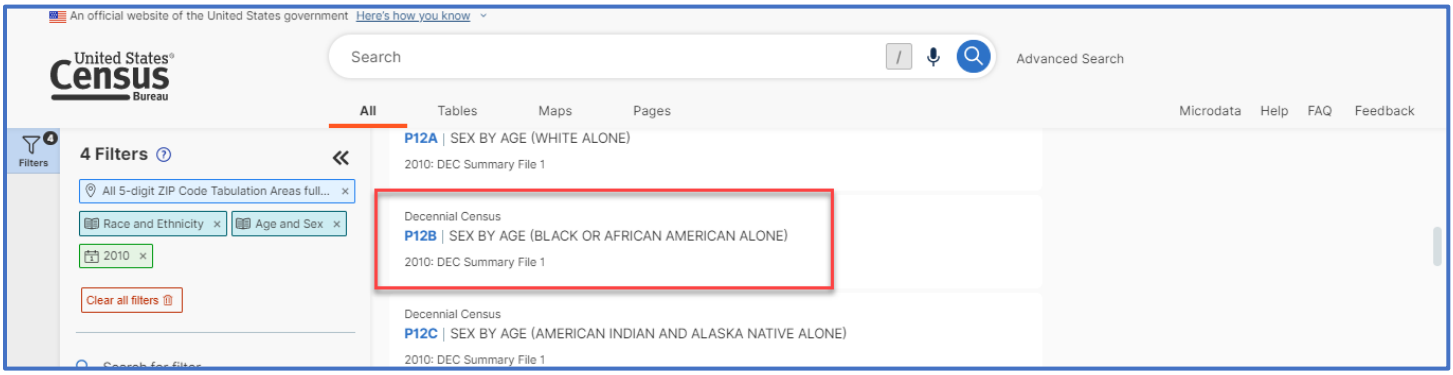
Step 6: To view more tables in the list, change the number viewed at once from 10 to 50 using the View button above the list.



Step 7: Scroll down the list of tables until you see the P12, Sex by Age, series of tables, which provide data for sex by age for the different race and ethnicity groups.



Click on table P12B to view this table for the Black or African American Alone population.



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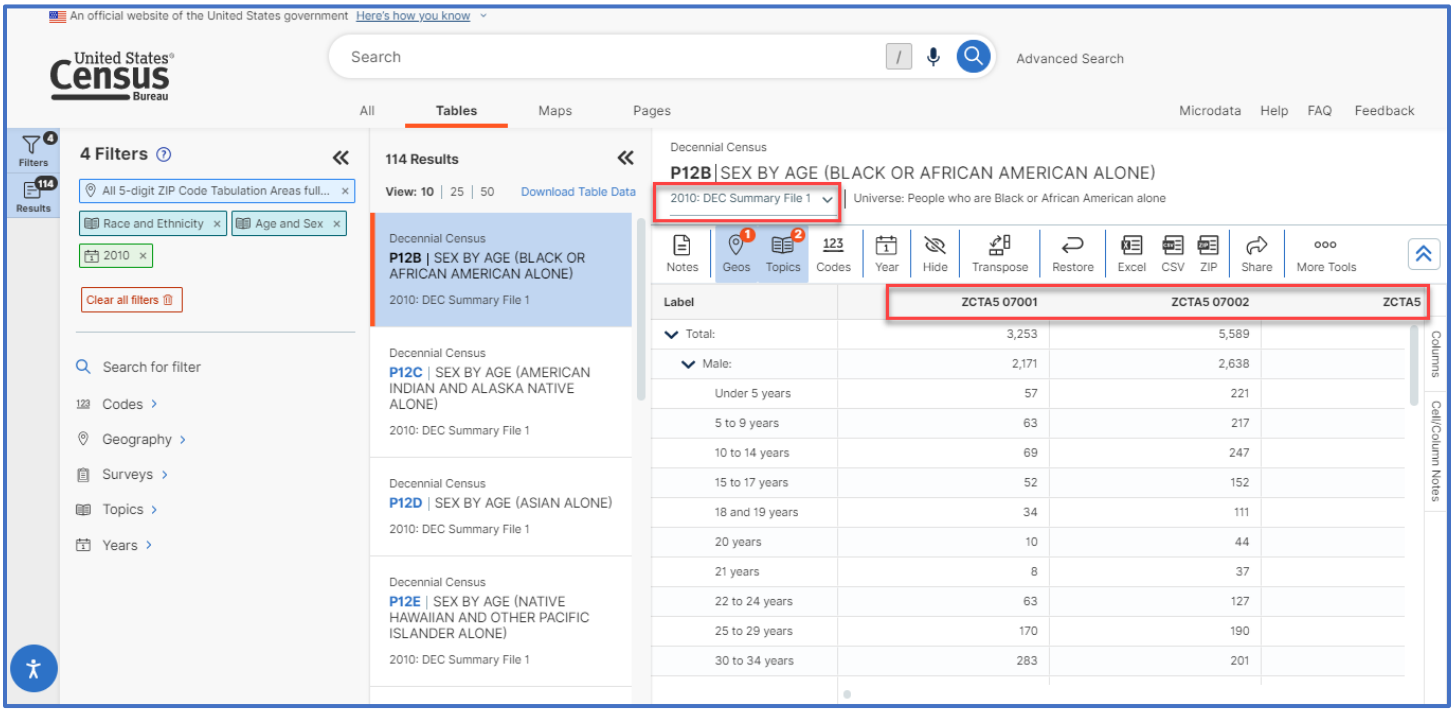
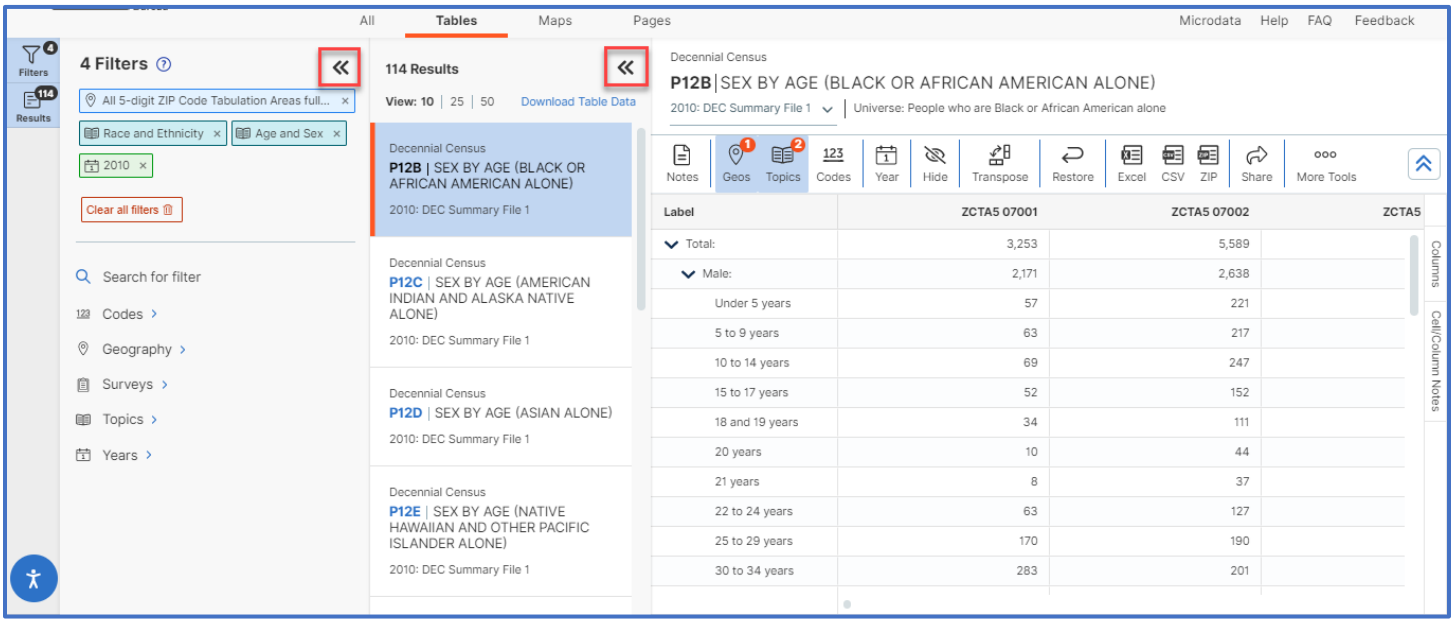
Step 8: The table displays the data for each of the ZCTAs in New Jersey. Currently the table is using counts from the 2010 Decennial Census Summary File 1. If the table is available for a different product and year, you'll be able to see in the dropdown menu.



To make more room to view the table, click on the chevrons to collapse or expand the Filters and Results columns.



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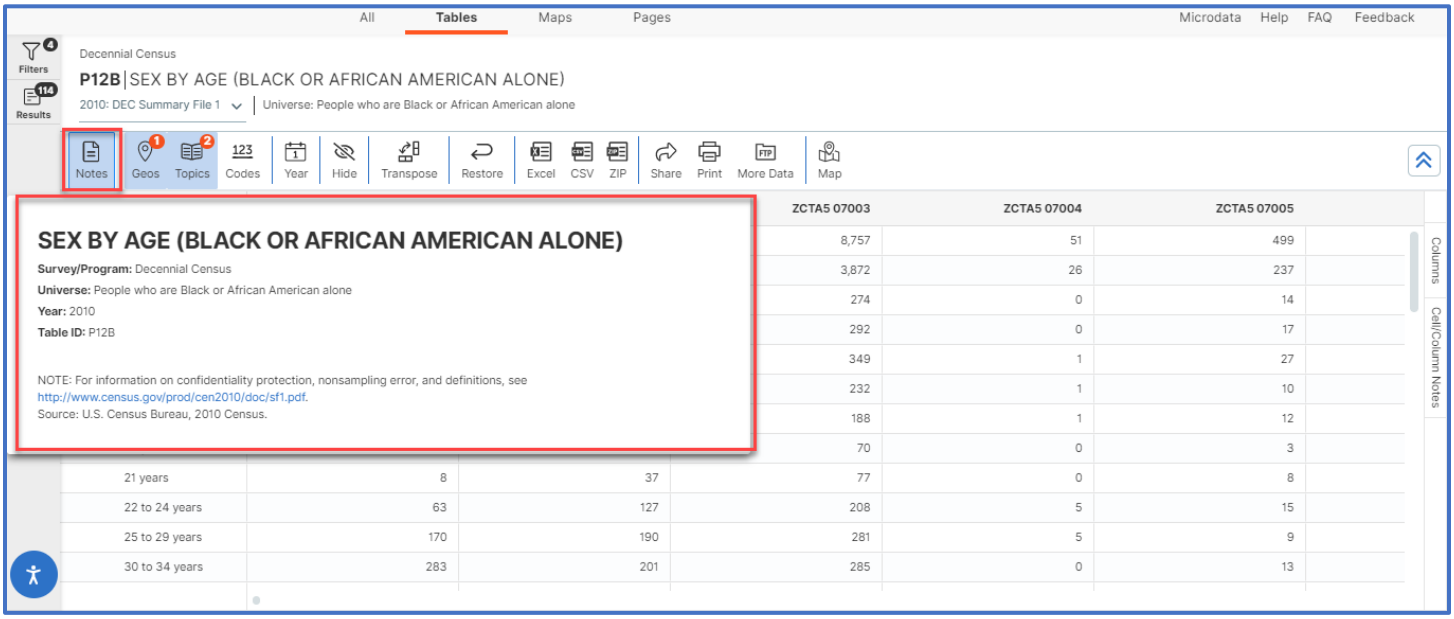
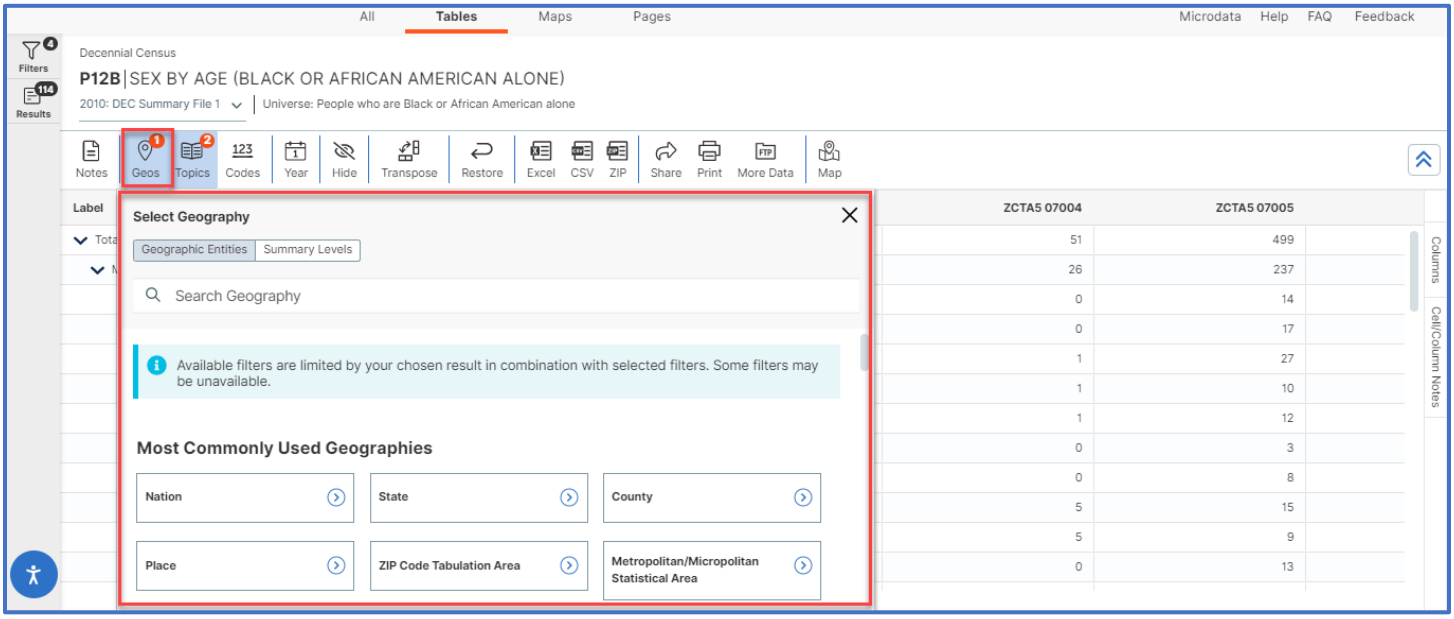
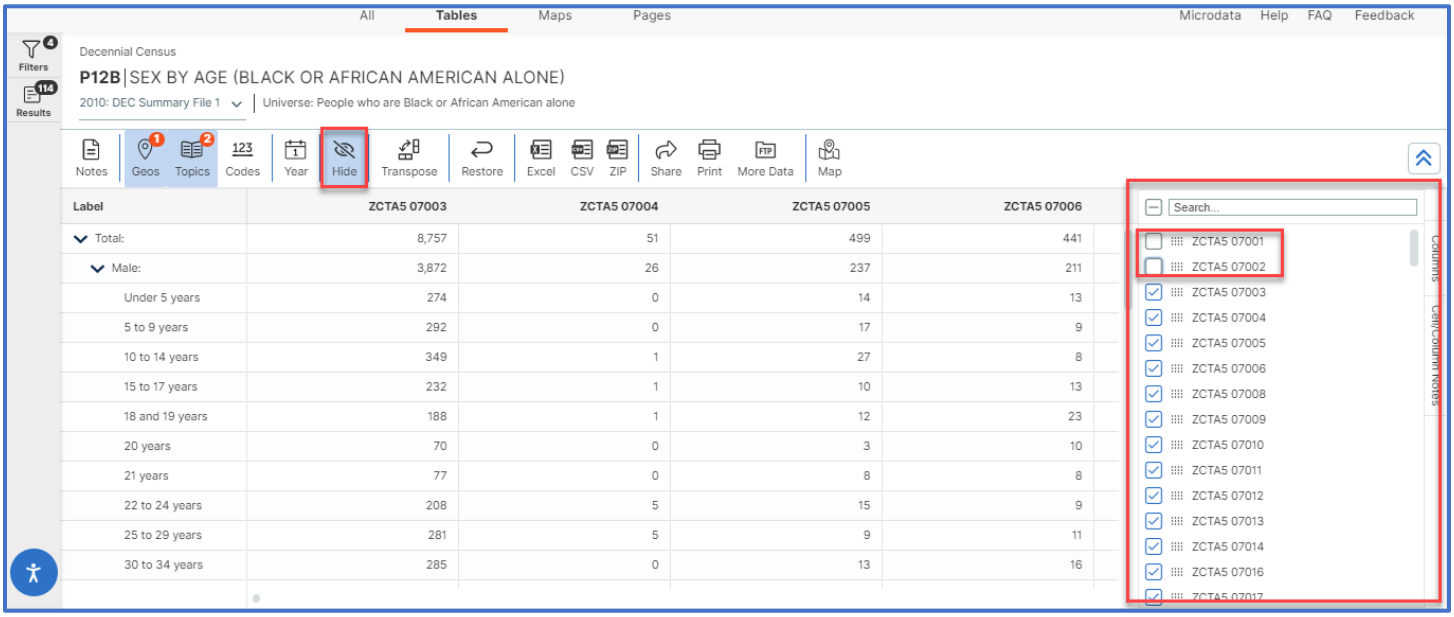
Use the Notes button to view important information relevant to the table, as well as to find the link to the technical documentation. Click on the Notes button again to close the panel.



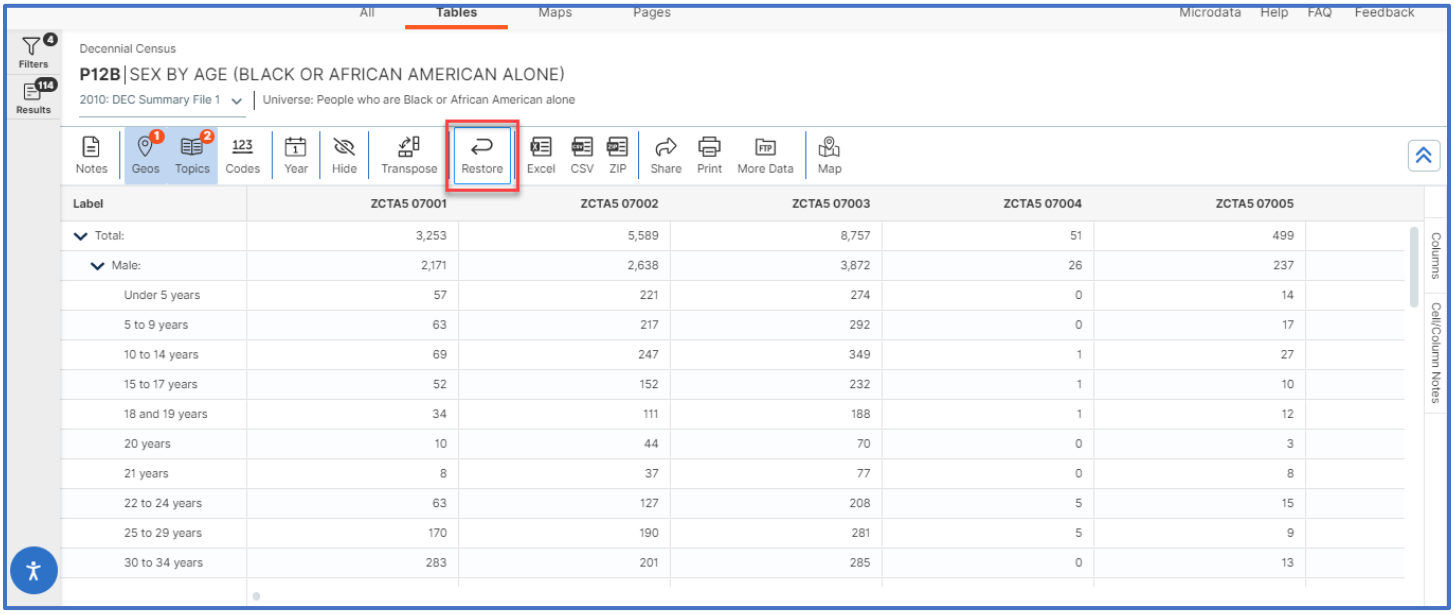
You can add additional geographies using the Geos button. Click on the X in the upper right corner to close the panel.



If you want to remove any of the columns from this table, you can use the Hide button. Click on the Hide button again to close the panel.



If you hide columns in the table and decide that you don't want it formatted that way anymore, you can use the Restore button to revert the table back to its original format.



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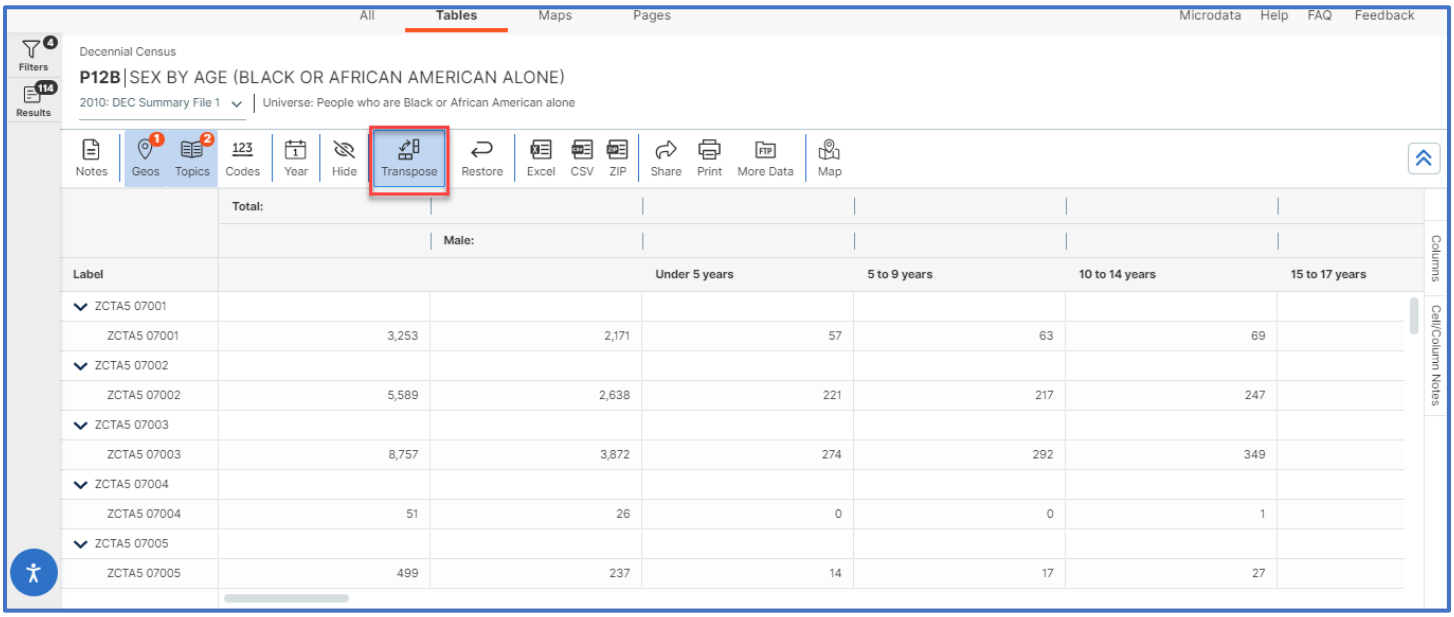
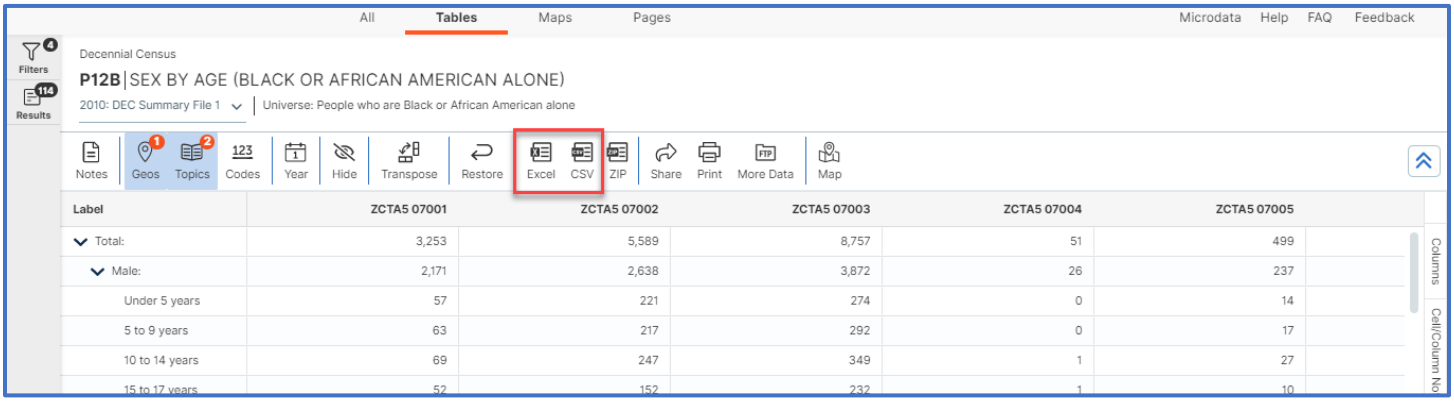
The Transpose button will transpose the table. To reverse the table after transposing it, just hit the Transpose button again.

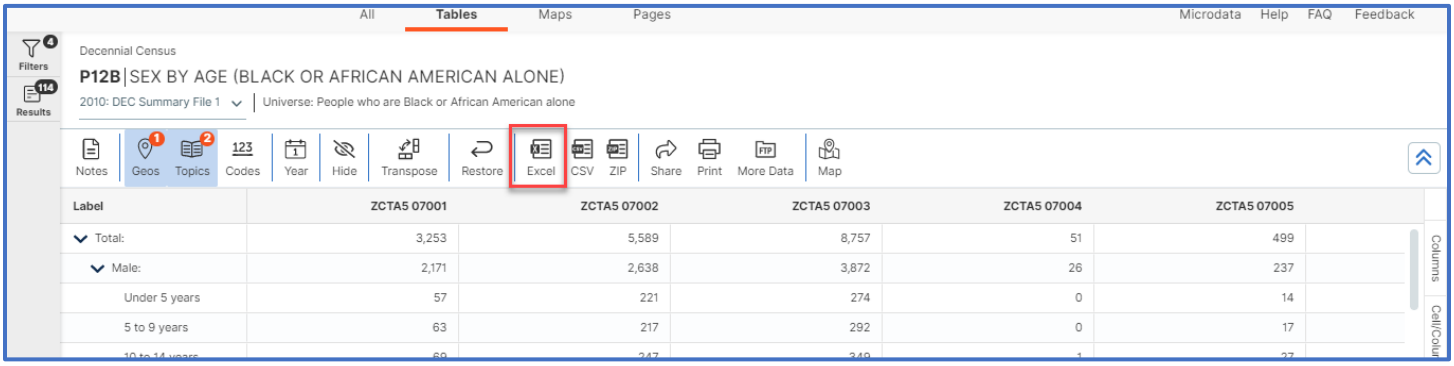


There are multiple options for getting a table into Excel. The first option is to export the table, which can be done by either exporting to Excel, using the Excel button, or exporting to a CSV format, using the CSV button.



The exported version of the table looks very similar to what is seen on the screen and is the best option when looking for a presentation-ready format.

To export the table to Excel, click on the Excel button.



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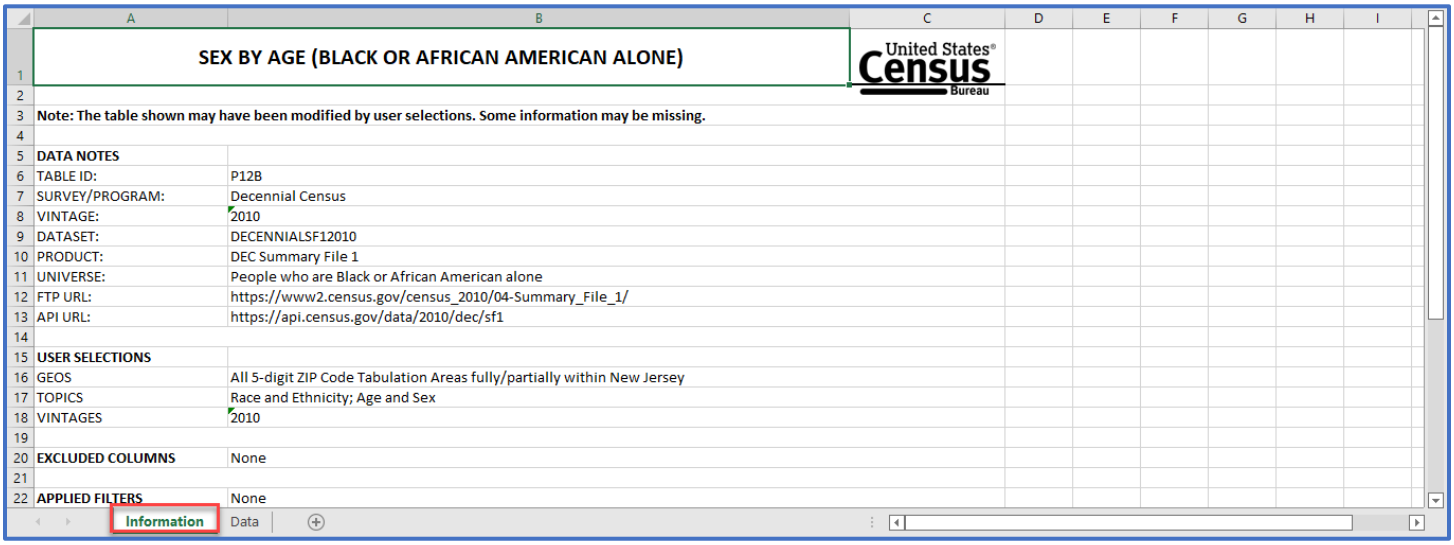
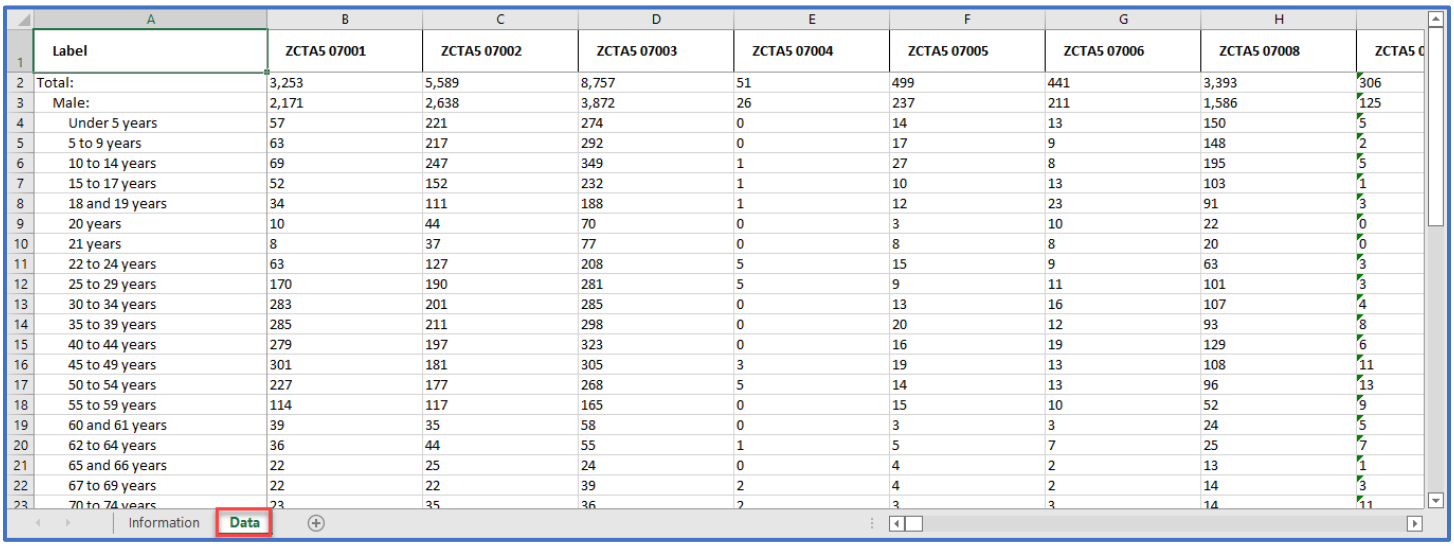
Once it opens, you'll see that there are two different worksheets. The first, labeled Information, provides information on the dataset, the filters used, and notes about the table.



	A	B	C
1	SEX BY AGE (BLACK OR AFRICAN AMERICAN ALONE)		United States® Census Bureau
2			
3	Note: The table shown may have been modified by user selections. Some information may be missing.		
4			
5	DATA NOTES		
6	TABLE ID:	P12B	
7	SURVEY/PROGRAM:	Decennial Census	
8	VINTAGE:	2010	
9	DATASET:	DECENNIALSF12010	
10	PRODUCT:	DEC Summary File 1	
11	UNIVERSE:	People who are Black or African American alone	
12	FTP URL:	https://www2.census.gov/census_2010/04-Summary_File_1/	
13	API URL:	https://api.census.gov/data/2010/dec/sf1	
14			
15	USER SELECTIONS		
16	GEOS	All 5-digit ZIP Code Tabulation Areas fully/partially within New Jersey	
17	TOPICS	Race and Ethnicity; Age and Sex	
18	VINTAGES	2010	
19			
20	EXCLUDED COLUMNS	None	
21			
22	APPLIED FILTERS	None	

Information | Data

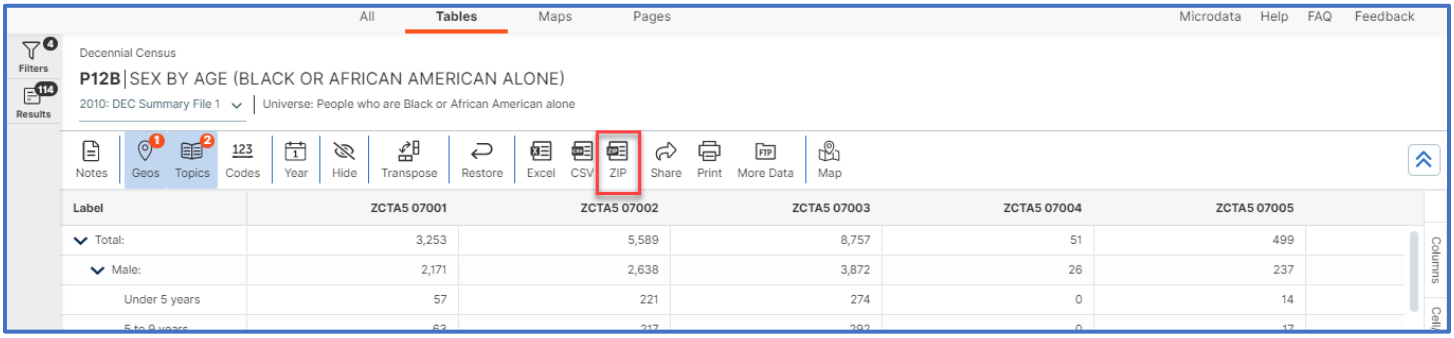
The second, labeled Data, provides the actual table of data. As you can see, it's formatted in a way that makes it easy to read.



	A	B	C	D	E	F	G	H	
1	Label	ZCTA5 07001	ZCTA5 07002	ZCTA5 07003	ZCTA5 07004	ZCTA5 07005	ZCTA5 07006	ZCTA5 07008	ZCTA5 0
2	Total:	3,253	5,589	8,757	51	499	441	3,393	306
3	Male:	2,171	2,638	3,872	26	237	211	1,586	125
4	Under 5 years	57	221	274	0	14	13	150	5
5	5 to 9 years	63	217	292	0	17	9	148	2
6	10 to 14 years	69	247	349	1	27	8	195	5
7	15 to 17 years	52	152	232	1	10	13	103	1
8	18 and 19 years	34	111	188	1	12	23	91	3
9	20 years	10	44	70	0	3	10	22	0
10	21 years	8	37	77	0	8	8	20	0
11	22 to 24 years	63	127	208	5	15	9	63	3
12	25 to 29 years	170	190	281	5	9	11	101	3
13	30 to 34 years	283	201	285	0	13	16	107	4
14	35 to 39 years	285	211	298	0	20	12	93	8
15	40 to 44 years	279	197	323	0	16	19	129	6
16	45 to 49 years	301	181	305	3	19	13	108	11
17	50 to 54 years	227	177	268	5	14	13	96	13
18	55 to 59 years	114	117	165	0	15	10	52	9
19	60 and 61 years	39	35	58	0	3	3	24	5
20	62 to 64 years	36	44	55	1	5	7	25	7
21	65 and 66 years	22	25	24	0	4	2	13	1
22	67 to 69 years	22	22	39	2	4	2	14	3
23	70 to 74 years	23	35	36	2	3	3	14	11

Information | Data

The other option is to download the table to a .zip file using the ZIP button.



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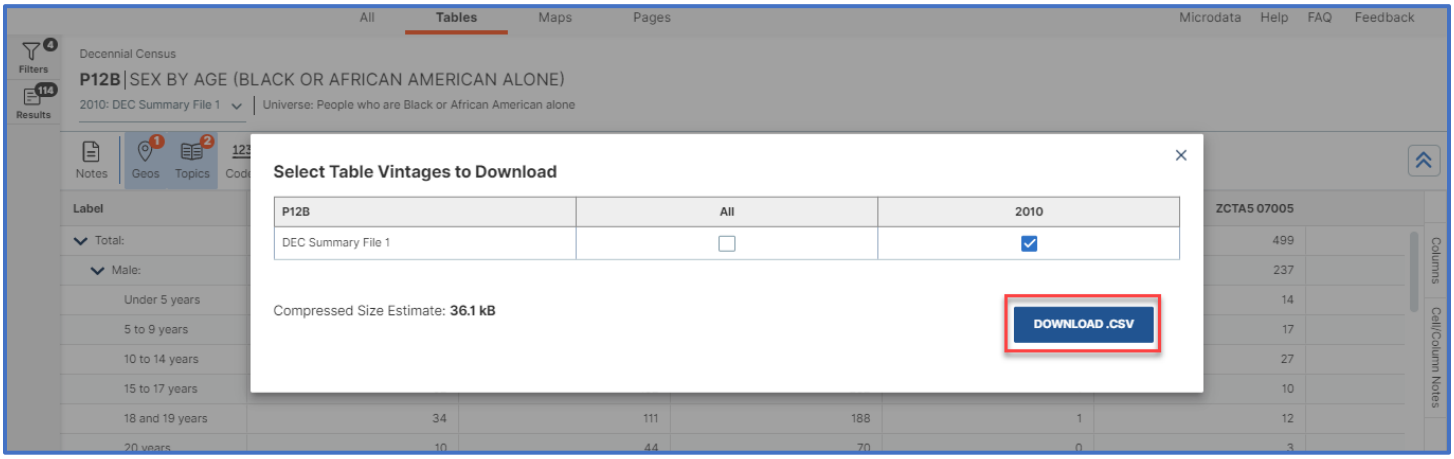
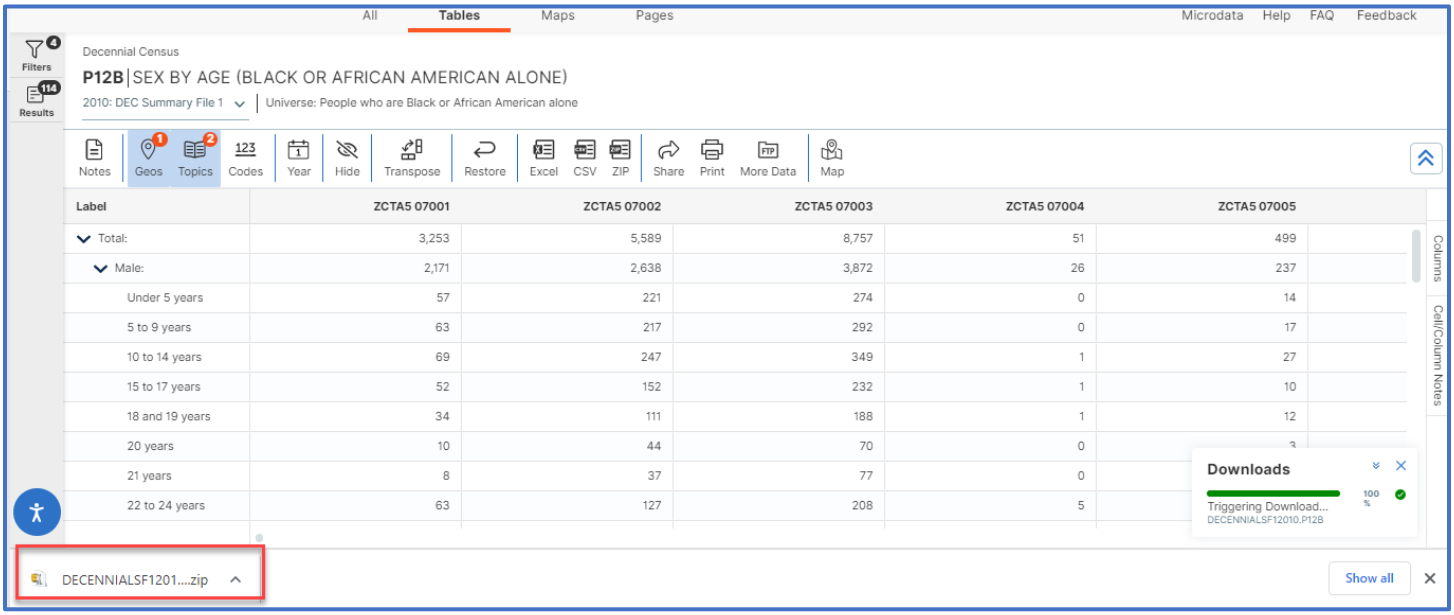
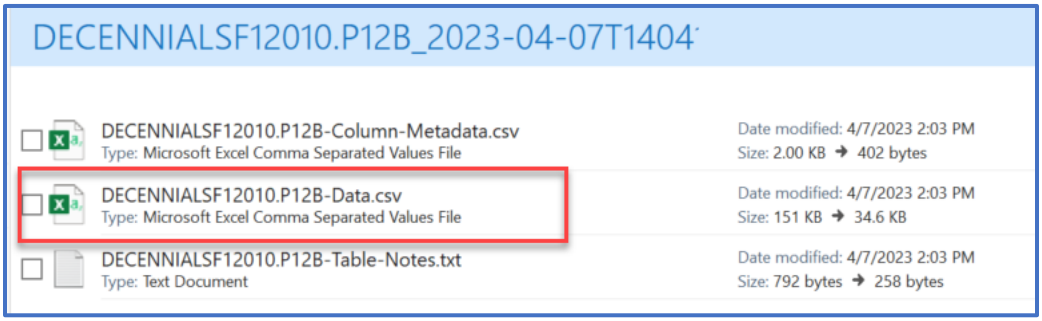
Once you click on the ZIP button, a prompt will appear telling you to download a .csv version.



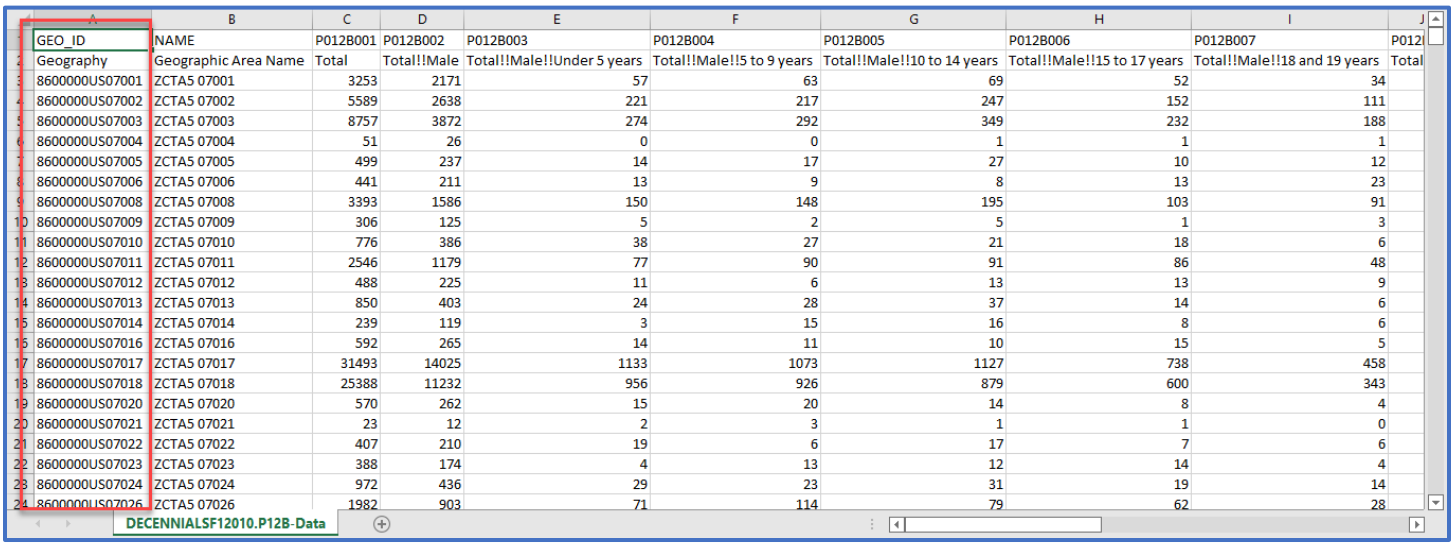
Once that button is clicked, the .zip file appears. Click on it to open it.



For every table downloaded, you'll receive three files: one called Column-Metadata, one called Table-Notes, and one called Data. The Data one is the one you'll want.



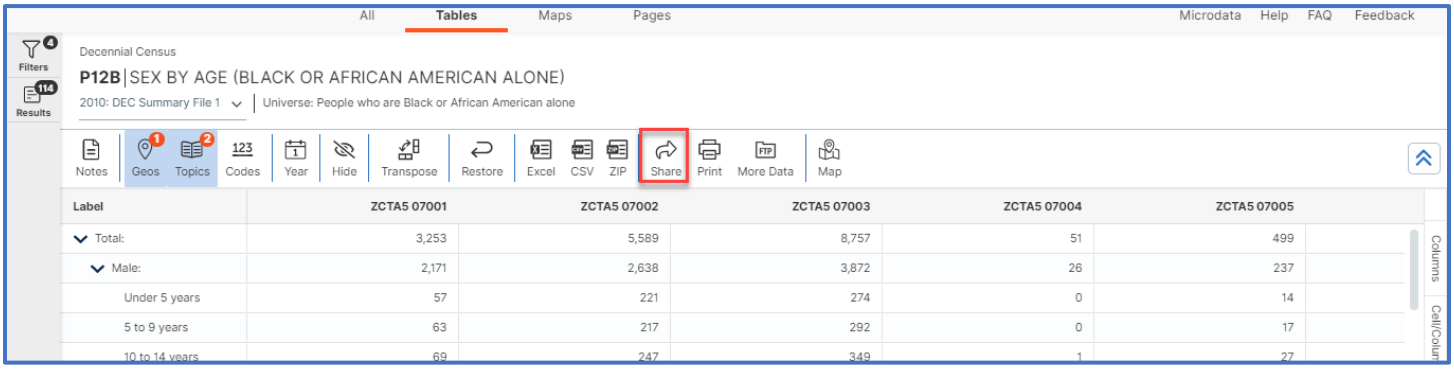
When you open it, probably the first thing that you'll notice is that it looks very different from the exported version of the table. When you download, you're going to get the data in a flat, machine-readable file. One of the perks of using the downloaded version is that you'll get the GEOID, which is the unique identifier for each geography.

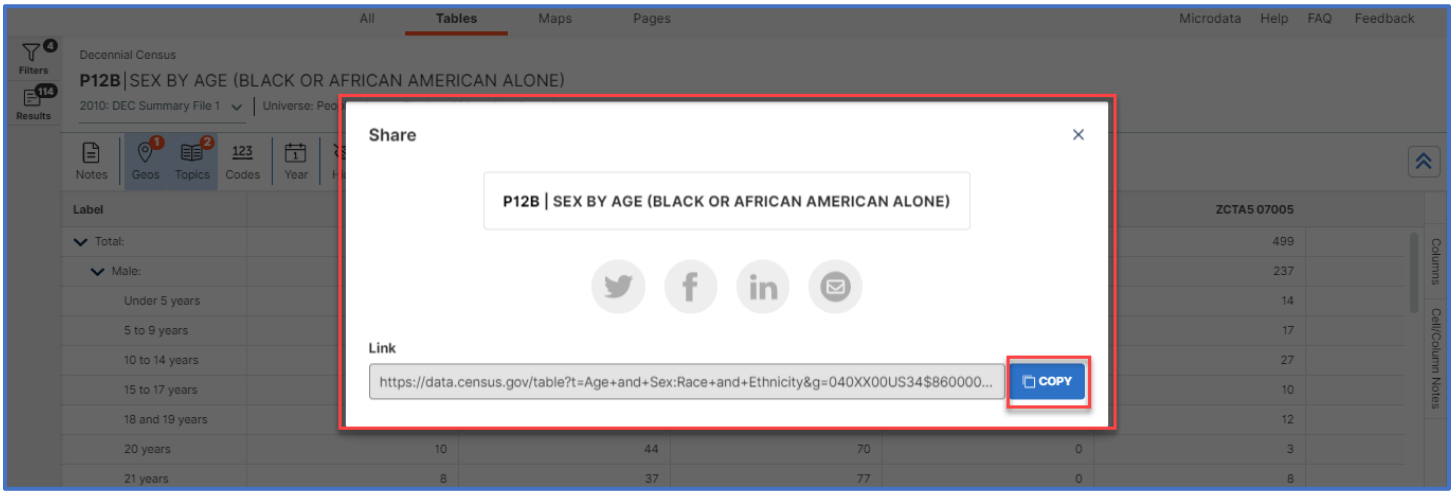


GEO_ID	NAME	P012B001	P012B002	P012B003	P012B004	P012B005	P012B006	P012B007	P012
Geography	Geographic Area Name	Total	Total!!Male	Total!!Male!!Under 5 years	Total!!Male!!5 to 9 years	Total!!Male!!10 to 14 years	Total!!Male!!15 to 17 years	Total!!Male!!18 and 19 years	Total
8600000US07001	ZCTA5 07001	3253	2171	57	63	69	52	34	
8600000US07002	ZCTA5 07002	5589	2638	221	217	247	152	111	
8600000US07003	ZCTA5 07003	8757	3872	274	292	349	232	188	
8600000US07004	ZCTA5 07004	51	26	0	0	1	1	1	
8600000US07005	ZCTA5 07005	499	237	14	17	27	10	12	
8600000US07006	ZCTA5 07006	441	211	13	9	8	13	23	
8600000US07008	ZCTA5 07008	3393	1586	150	148	195	103	91	
8600000US07009	ZCTA5 07009	306	125	5	2	5	1	3	
8600000US07010	ZCTA5 07010	776	386	38	27	21	18	6	
8600000US07011	ZCTA5 07011	2546	1179	77	90	91	86	48	
8600000US07012	ZCTA5 07012	488	225	11	6	13	13	9	
8600000US07013	ZCTA5 07013	850	403	24	28	37	14	6	
8600000US07014	ZCTA5 07014	239	119	3	15	16	8	6	
8600000US07016	ZCTA5 07016	592	265	14	11	10	15	5	
8600000US07017	ZCTA5 07017	31493	14025	1133	1073	1127	738	458	
8600000US07018	ZCTA5 07018	25388	11232	956	926	879	600	343	
8600000US07020	ZCTA5 07020	570	262	15	20	14	8	4	
8600000US07021	ZCTA5 07021	23	12	2	3	1	1	0	
8600000US07022	ZCTA5 07022	407	210	19	6	17	7	6	
8600000US07023	ZCTA5 07023	388	174	4	13	12	14	4	
8600000US07024	ZCTA5 07024	972	436	29	23	31	19	14	
8600000US07026	ZCTA5 07026	1982	903	71	114	79	62	28	

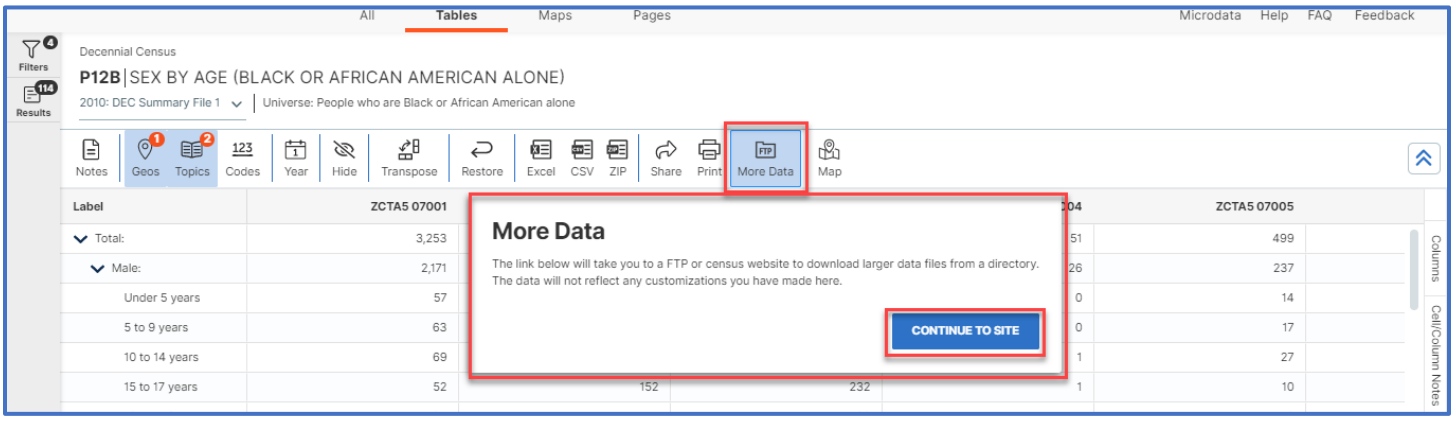
DECENNIALSF12010.P12B-Data

Use the Share button to share the table to a social media platform or send it to someone else via email. You can also copy the link directly to save or share with someone else.





Use the More Data button to access data from the FTP site. You can use the FTP site to do a bulk download of data. Once you have clicked on the More Data button, click on the Continue to Site button to go to the FTP.



Our Success Depends on Data Users Like You!

Visit data.census.gov often and tell us how we can make Census Bureau data easier to access by emailing your comments to census.data@census.gov. For more guidance, visit our Resources page at https://www.census.gov/data/what-is-data-census-gov.html.

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