



# 2020 Census Geography and 2020 Census Redistricting Data

**06/01/2021**

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**Chief, Census Redistricting and Voting Rights Data Office**

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**Census**  
**2020**

# Census Geography

# Census Geography

## MAF/TIGER Database

Census Bureau's Master Address File (MAF)/Topologically Integrated Geographic Encoding and Referencing (TIGER) Database (MTDB).

Database includes the fifty states, the District of Columbia, Puerto Rico, and the Island areas (American Samoa, the Commonwealth of the Northern Mariana Islands, Guam, and the United States Virgin Islands).

Features include polygon boundaries of geographic areas and features, linear features including roads and hydrography, and point features.



# Census Geography

## Types of Census Boundaries

### Legal

- States (and equivalents)
- Counties
- County subdivisions  
(Towns & townships)
- Places (Incorporated)
- Tribal areas (Reservations and trust land)

### Statistical

- Regions
- Divisions
- County subdivisions  
(Census county divisions)
- Places (Census designated)
- Tribal areas (Statistical areas)
- Census tracts
- Block groups
- Tabulation blocks
- Metropolitan/Micropolitan areas
- Urban areas
- ZCTAs

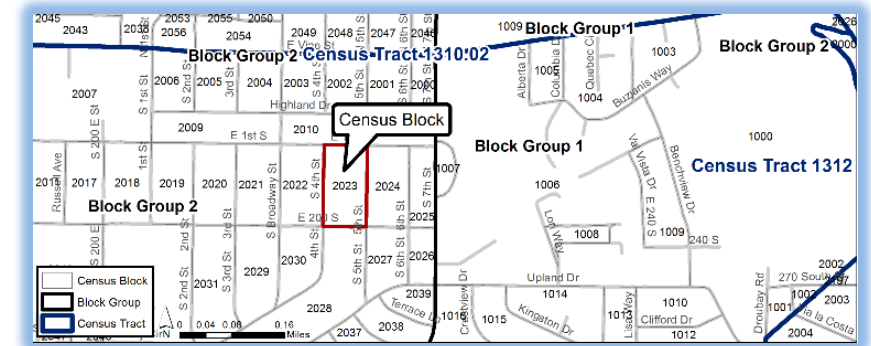
### Administrative

- Election Areas
  - Congressional
  - State Legislative
  - Voting Districts
- School Districts

# Census Geography

## Census Blocks

- The building blocks for all geographic boundaries the Census Bureau tabulates data generated every ten years
- The smallest level of geography you can get basic demographic data for, such as total population by age, sex, and race
- In a city, a census block looks like a city block bounded on all sides by streets
- In suburban and rural areas, census blocks may be large, irregular, and bounded by a variety of features, such as roads, streams, and transmission lines
- In remote areas, census blocks may encompass hundreds of square miles



# Census Geography

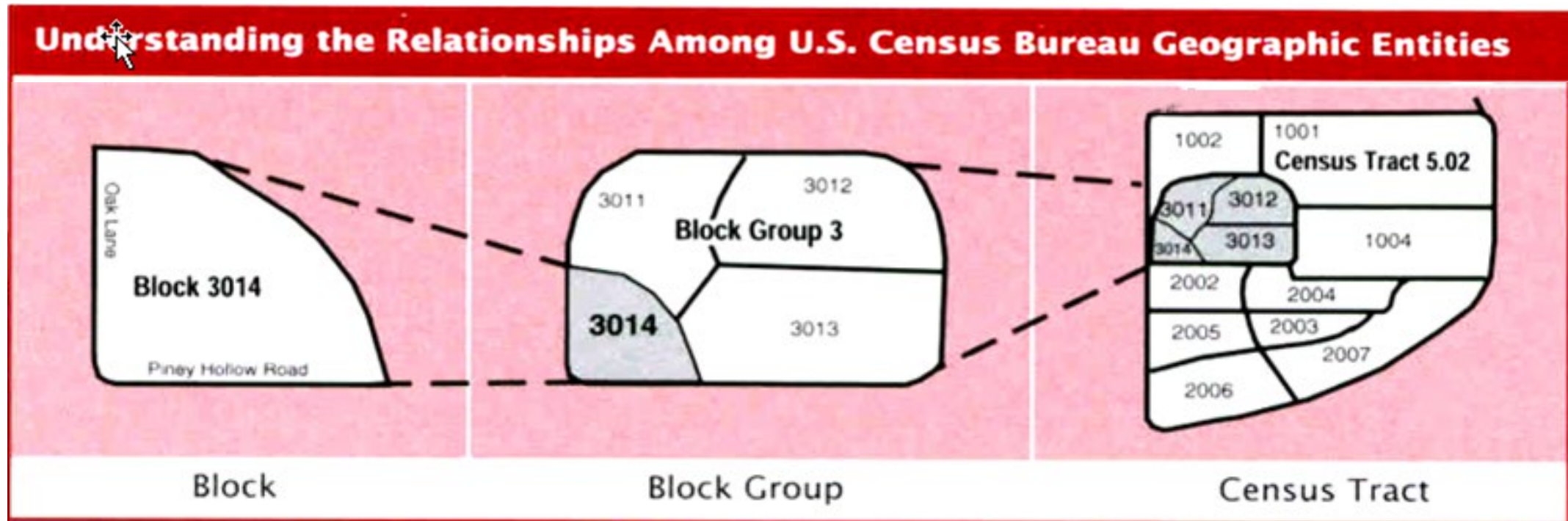
## Census Blocks

Census Blocks are not:

- Delineated based on population
  - Many census blocks do not have any population
- Permanent throughout the decade. They may be split when a change in another geographic boundary occurs, such as an incorporated place annexation
  - If a block is split in between decades, a suffix will be added to the block number. For example, block 1000 would become block 1000A and 1000B
- A boundary that can be used with American Community Survey (ACS) data
  - ACS data only go down to the block group level

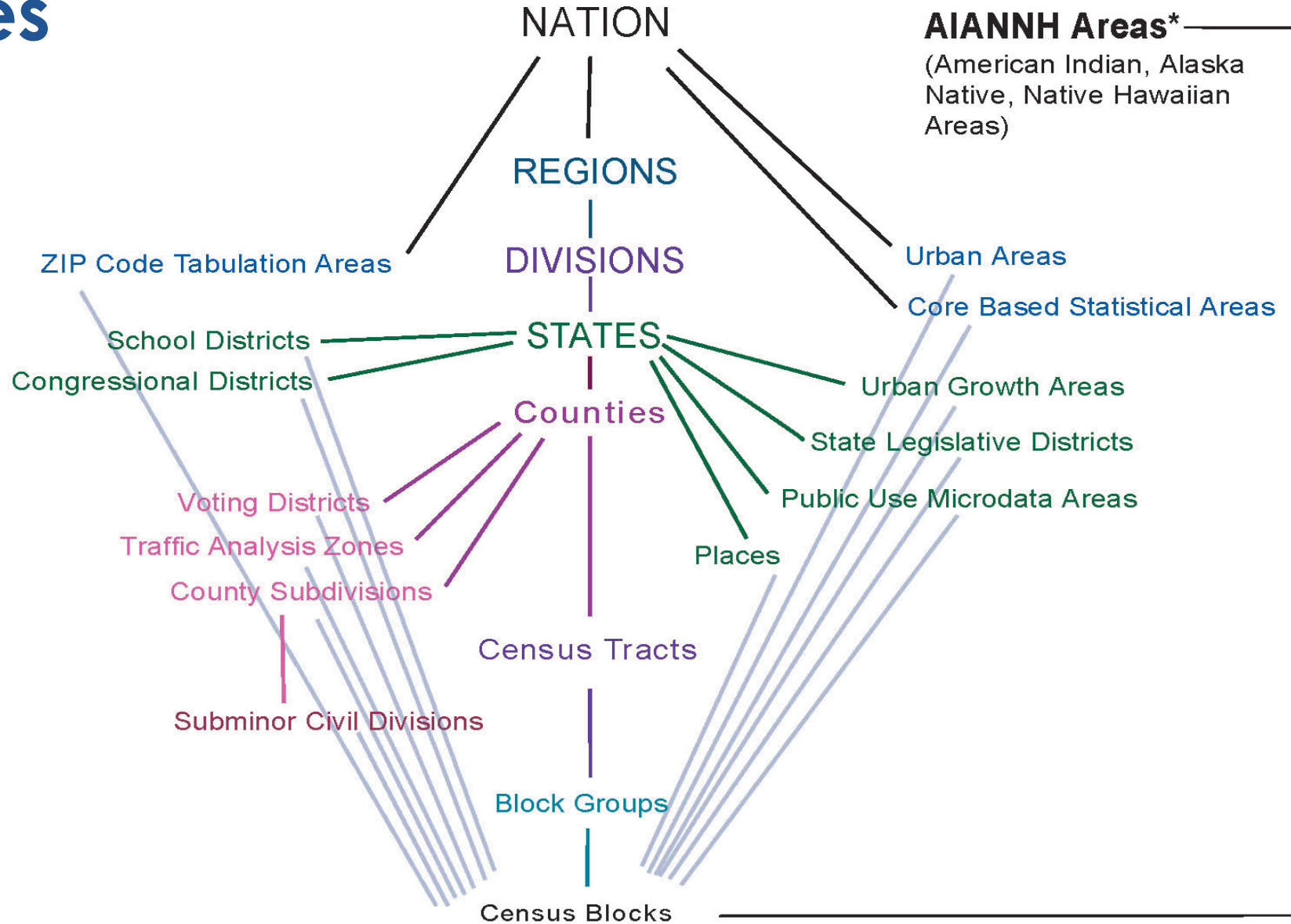
# Census Geography

## Geographic Nesting





# Hierarchy of Census Geographic Entities





# Census Block Count 1990-2020

## National Census Blocks

Decennial Census	Number of Census Blocks in U.S.*
2020	8,174,955
2010	11,155,486
2000	8,262,363
1990	7,020,924

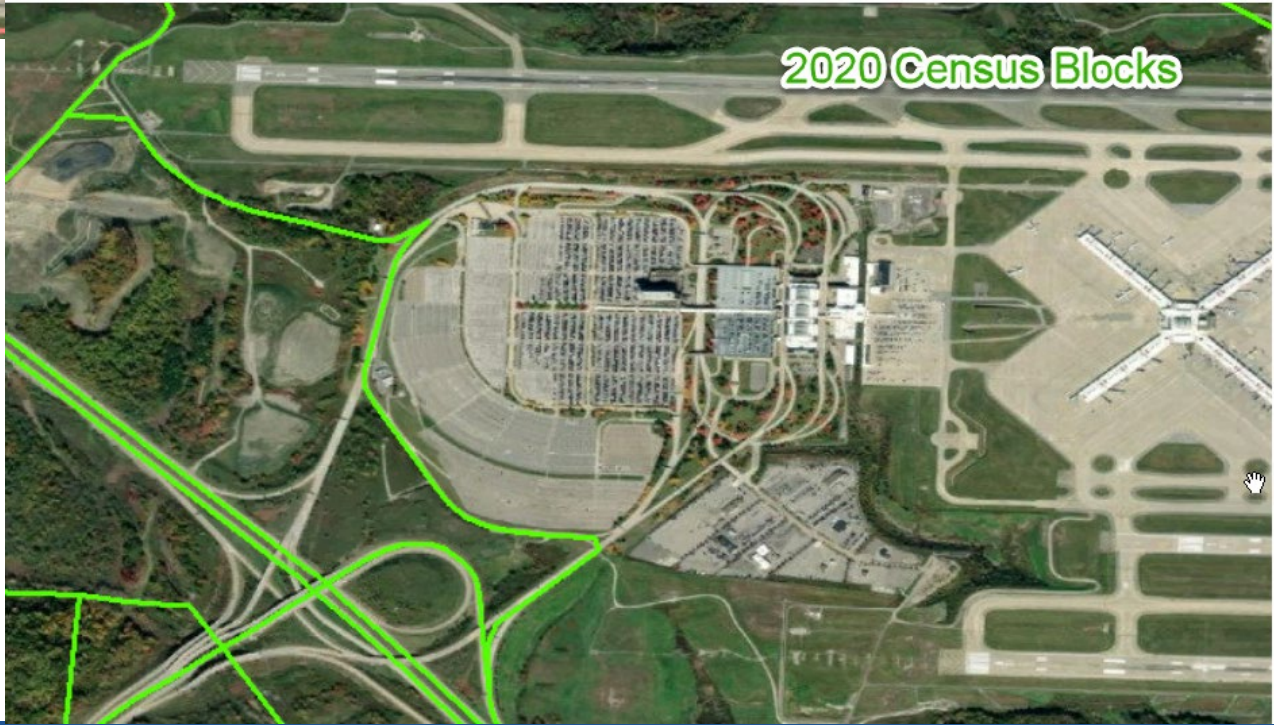
## Arizona Census Blocks

Decennial Census	Number of Census Blocks in Arizona
2020	155,444
2010	241,666
2000	158,294
1990	103,093

\*Includes 50 states, District of Columbia, and Puerto Rico

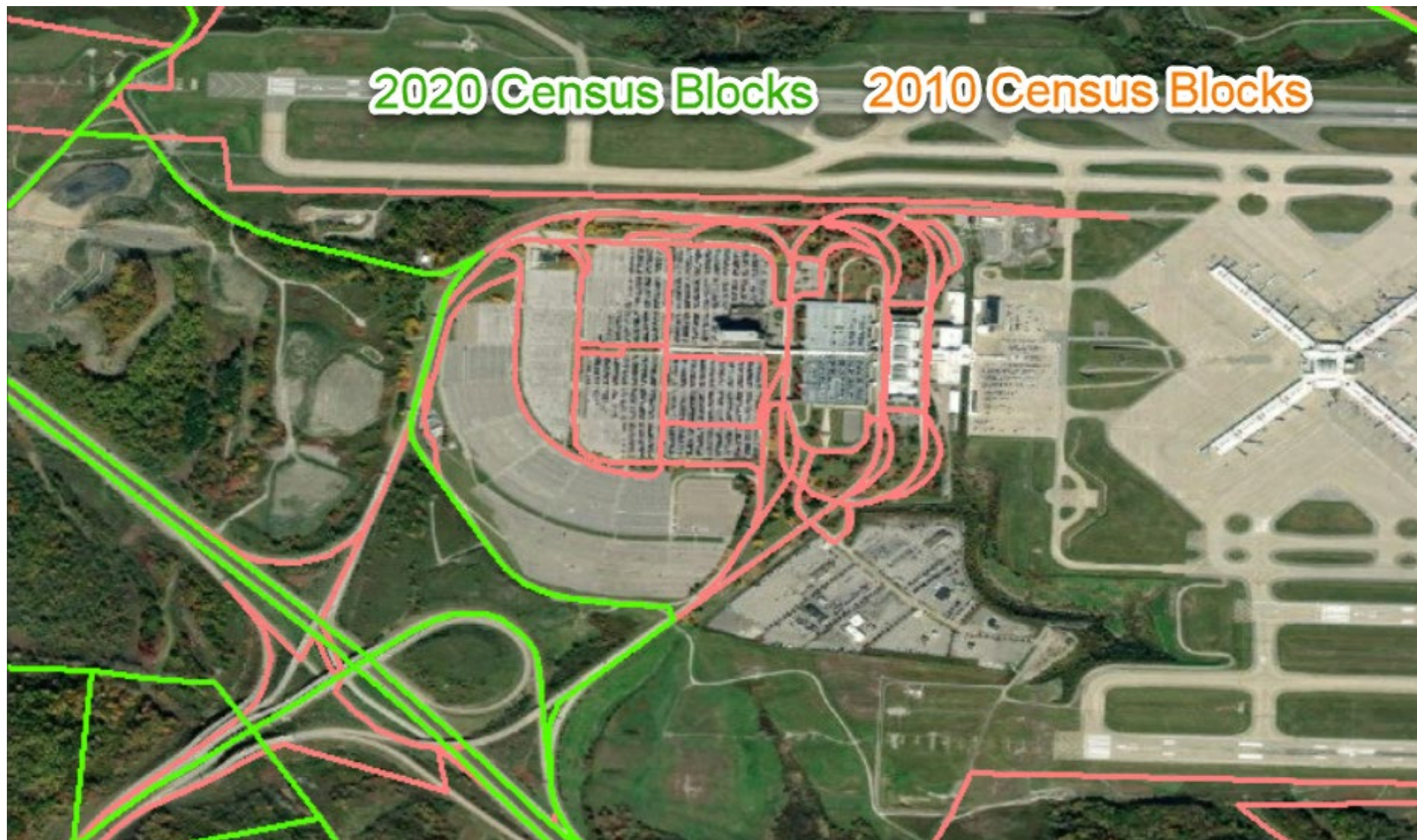


# Census Block Change 2010-2020





# Census Block Change 2010-2020



# Redistricting Data Program & Products

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2020

## Apportionment vs. Redistricting

		APPORTIONMENT	REDISTRICTING
Geography	Largest	State	State
	Smallest	State	Census Block
Who is counted		Resident Population + Federally Affiliated Count Overseas	Resident Population Only
What is reported		Total Population only	Race, ethnicity, and select housing characteristics
Disclosure Avoidance		None	Differentially Private (TopDown Algorithm)
Current Timeline		By April 30, 2021	Legacy Format – by August 16, 2021 DVDs/Flash Drives & data.census.gov by September 30, 2021

# 2020 Census Redistricting Data Program

## Public Law 94-171

**Program Mission:** Provide states an opportunity to identify the geographic areas for which specific tabulations of population are needed for legislative redistricting and to deliver high quality data for those areas in a timely manner

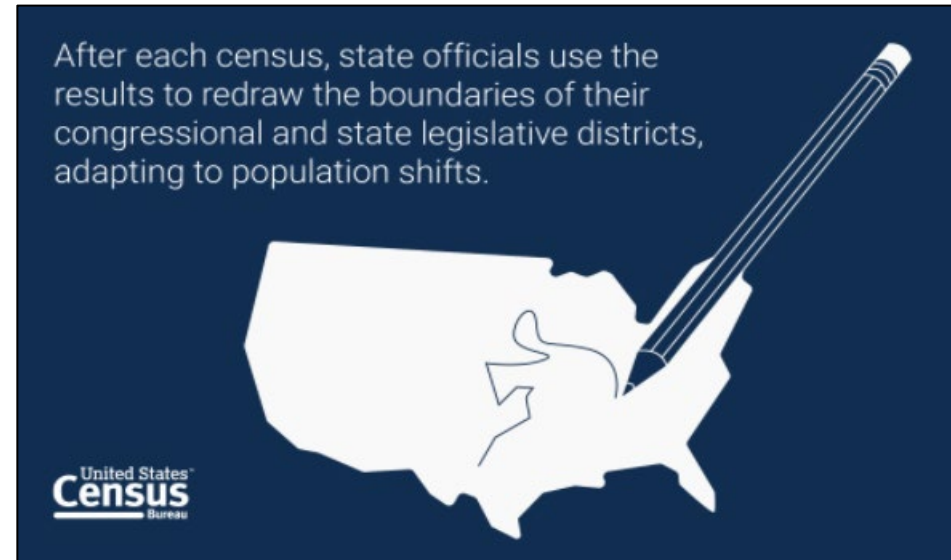
Identified “geographic areas desired”:

- Census Tabulation Blocks
- Voting Districts (e.g. precincts, wards, etc.)
- Legislative and Congressional Districts

Requirements:

- Conduct the program in a non-partisan manner
- Establish program criteria
- Identify required tabulations
- Deliver the tabulations to the governor and the officers or public bodies having initial responsibility for the legislative apportionment or districting of each State no later than 1 year from Census Day\*

\*Delayed until Sept 30, 2021





# 2020 Census Redistricting Data Program

## The Five Phases of the Program

- **Phase 1: Block Boundary Suggestion Project (BBSP)**
- **Phase 2: Voting District Project (VTD)**
- **Phase 3: Data Delivery**
  - P.L. 94-171 Geographic Support Products
  - P.L. 94-171 Redistricting Data Tabulations
- **Phase 4: Collection of Post-2020 Census Redistricting Plans**
  - 118<sup>th</sup> Congressional District Plans
  - New State Legislative District Plans
- **Phase 5: Evaluation of the 2020 RDP ([View from the States](#))**
  - Recommendations from the States
  - Design for the 2030 Census Redistricting Data Program

41258 Federal Register / Vol. 79, No. 135 / Tuesday, July 15, 2014 / Notices

**DEPARTMENT OF COMMERCE**  
**Bureau of the Census**  
[Docket Number 140626541-4541-01]  
**Establishment of the 2020 Census Redistricting Data Program**  
**AGENCY:** Bureau of the Census, Department of Commerce.  
**ACTION:** Notice of Program.

**SUMMARY:** This notice announces and seeks comments on the establishment of the 2020 Census Redistricting Data Program. Required by law, the program provides states the opportunity to specify the small geographic areas for which they wish to receive 2020 decennial population totals for the purpose of reapportionment and redistricting.

**DATES:** Comments on this notice are due by September 5, 2014. The deadline for states to notify the Bureau of their participation in Phase 1, the Block Boundary Suggestion Project, is August 1, 2015.

**ADDRESSES:** Please direct all written comments and requests to the Director, U.S. Census Bureau, 4600 River Hill Road, Room 8H-002, Washington DC 20533, telephone (301) 763-4039.

**FURTHER INFORMATION CONTACT:** Catherine McCully, Chief, Census Redistricting Data Office, U.S. Census Bureau, Room 8H-019, Washington DC 20533, telephone (301) 763-4039.

**SUPPLEMENTARY INFORMATION:** Under the provisions of Title 13, Section 141(c) of the United States Code (U.S.C.), the Secretary of Commerce (Secretary) is required to provide the "officers or public bodies having initial responsibility for the legislative apportionment or districting of each state . . ." with the opportunity to specify geographic areas (e.g., voting districts) for which they wish to receive decennial census population counts for the purpose of reapportionment or redistricting.

By April 1 of the year following the decennial census, the Secretary is required to furnish the state officials or their designees with population counts for American Indian areas, counties, cities, census blocks, and state-specified congressional, legislative districts, and voting districts.

In accordance with the provisions of 13 U.S.C. 141(c), the Director of the Census Bureau, on behalf of the Secretary of Commerce, announces the establishment of the 2020 Census Redistricting Data Program. The Census Bureau will issue an invitation to the officers or public bodies having initial responsibility for legislative reapportionment and redistricting this fall through the Census Redistricting Data Office inviting states to identify a non-partisan liaison that will work directly with the Census Bureau on the 2020 Census Redistricting Data Program. Once these liaisons are established, the Census Bureau will coordinate communications involving the commencement of the program.

Since the 1990 census, participation in both the Census Redistricting Data Program's Block Boundary Suggestion Project and Voting District Project (2020 Redistricting Data Program Phases 1 and 2) under P.L. 94-171 is voluntary on the part of the states. However, if states choose to participate in Phase 1 and 2, the Census Bureau cannot ensure that the decennial census 2020 tabulation geography will support the redistricting needs of their state.

**Phase 1: Block Boundary Suggestion Project (BBSP)**  
Beginning in the late summer of 2014, the Census Bureau will correspond with the legislative leadership and executive officer of each state to establish a 2020 Census Redistricting Data Program liaison. The Census Bureau will formally announce through a subsequent Federal Register Notice the commencement of Phase 1, the Block Boundary Suggestion Project (BBSP). The purpose of the BBSP is to afford states the opportunity to identify non-standard features often used as electoral boundaries (such as a powerline or stream, rather than a street centerline which might divide voters into two districts) as census block boundaries. The BBSP option affords the state liaison the opportunity to provide suggestions for 2020 census tabulation block boundaries resulting in more meaningful block data for the state. Liaisons are able to work with local officials including county election officers and others to ensure local geography is represented in the 2020 tabulation block inventory. In addition, the liaison, on behalf of the state, will make suggestions for features not desirable as census tabulation blocks. By identifying undesirable features, the liaison may assist the Bureau in reducing the overall number of census tabulation blocks from the 2010 inventory. Beginning in late fall of 2015, states that choose to participate in Phase 1 will begin receiving guidelines and training for providing their suggestions for the 2020 census tabulation blocks as well as their suggestions for exclusion of line segments for consideration in the

**Established July 15, 2014**



# Redistricting Data Program

## Phase 3 – P.L. 94-171 Redistricting Data Geographic Support Products

### 2020 Census P.L. 94-171 Redistricting Data Geographic Products

Product Type	Census Web Address
Shapefiles	<a href="https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-line-file.html">https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-line-file.html</a>
Reference Maps	<a href="https://www.census.gov/geographies/reference-maps.html">https://www.census.gov/geographies/reference-maps.html</a>
Block Assignment Files	<a href="https://www.census.gov/geographies/reference-files.html">https://www.census.gov/geographies/reference-files.html</a>
Name Lookup Tables	<a href="https://www.census.gov/geographies/reference-files/time-series/geo/name-lookup-tables.html">https://www.census.gov/geographies/reference-files/time-series/geo/name-lookup-tables.html</a>
Block to Block Relationship Files	<a href="https://www.census.gov/geographies/reference-files/time-series/geo/relationship-files.html">https://www.census.gov/geographies/reference-files/time-series/geo/relationship-files.html</a>

- Shapefiles – Geographic information system geometry files.
- Reference Maps (PDF only) – County Block; State Legislative with Voting District; Census Tract; School District.
- Block Assignment Files – Tables identifying the blocks used to build different geographic entities.
- Name Lookup Tables – Contain names and codes for geographic areas within a state.
- Block to Block Relationship Files – Crosswalk of 2010 blocks to 2020 blocks.

# Redistricting Data Program

## Phase 3 – P.L. 94-171 Redistricting Data Tabulation Product

### 2020 Census P.L. 94-171 Redistricting Data Tabulations

Table P1 – Race

Table P2 – Hispanic or Latino, and not Hispanic or Latino by Race

Table P3 – Race for the Population 18 Years and Over

Table P4 – Hispanic or Latino, and not Hispanic or Latino by Race for the Population 18 Years and Over

Table H1 – Occupancy Status (Housing)

### New Table

Table P5 – Group Quarters Population by Group Quarters Type

- All tables produced at multiple geographies including census block
- Group Quarter types: Correctional Institutions for Adults, Juvenile Facilities, Nursing Facilities/Skilled Nursing, Other Institutional, College/University Student Housing, Military quarters, and other non-institutional
- Group quarters is total population only, no demographic breakdown

# Redistricting Data Program

## P.L. 94-171 Redistricting Data Tabulation Product

### Table P1 – Race

Universe: Total Population

### Table P3 – Race for the Population 18 Years and Over

Universe: Total population 18 years and over

RACE [71]
Universe: Total population
Total:
Population of one race:
White alone
Black or African American alone
American Indian and Alaska Native alone
Asian alone
Native Hawaiian and Other Pacific Islander alone
Some Other Race alone
Two or More Races:
Population of two races:
White; Black or African American
White; American Indian and Alaska Native
White; Asian
White; Native Hawaiian and Other Pacific Islander
White; Some Other Race
Black or African American; American Indian and Alaska Native
Black or African American; Asian
Black or African American; Native Hawaiian and Other Pacific Islander
Black or African American; Some Other Race
American Indian and Alaska Native; Asian
American Indian and Alaska Native; Native Hawaiian and Other Pacific Islander
American Indian and Alaska Native; Some Other Race
Asian; Native Hawaiian and Other Pacific Islander
Asian; Some Other Race
Native Hawaiian and Other Pacific Islander; Some Other Race
Population of six races:
White; Black or African American; American Indian and Alaska Native; Asian; Native Hawaiian and Other Pacific Islander; Some Other Race



# Redistricting Data Program

## P.L. 94-171 Redistricting Data Tabulation Product

**Table P2** – Hispanic or Latino, and Not Hispanic or Latino by Race

**Universe:** Total population

**Table P4** – Hispanic or Latino, and Not Hispanic or Latino by Race for the Population 18 Years and Over

**Universe:** Total population 18 years and over

HISPANIC OR LATINO, AND NOT HISPANIC OR LATINO BY RACE [73]
Universe: <i>Total population</i>
Total:
Hispanic or Latino
Not Hispanic or Latino:
Population of one race:
White alone
Black or African American alone
American Indian and Alaska Native alone
Asian alone
Native Hawaiian and Other Pacific Islander alone
Some Other Race alone
Two or More Races:
Population of two races:
White; Black or African American
White; American Indian and Alaska Native
White; Asian
White; Native Hawaiian and Other Pacific Islander
White; Some Other Race
Black or African American; American Indian and Alaska Native
Black or African American; Asian
Black or African American; Native Hawaiian and Other Pacific Islander
Black or African American; Some Other Race
American Indian and Alaska Native; Asian
American Indian and Alaska Native; Native Hawaiian and Other Pacific Islander
American Indian and Alaska Native; Some Other Race
Asian; Native Hawaiian and Other Pacific Islander
Asian; Some Other Race
Native Hawaiian and Other Pacific Islander; Some Other Race
Population of six races:
White; Black or African American; American Indian and Alaska Native; Asian; Native Hawaiian and Other Pacific Islander; Some Other Race



# Redistricting Data Program

## P.L. 94-171 Redistricting Data Tabulation Product

### **Table H1** – Occupancy Status

**Universe:** Housing Units

- Total
  - Occupied
  - Vacant

### **Table P5** - Group Quarters Population by Group Quarters Type

**Universe:** Total Population in Group Quarters

- Total
  - Institutionalized population
    - Correctional facilities for adults
    - Juvenile facilities
    - Nursing facilities/Skilled-nursing facilities
    - Other institutional facilities
  - Noninstitutionalized population
    - College/University student housing
    - Military quarters
    - Other non-institutional facilities



Ensure all records are coded to their most detailed level of geography.



Conduct characteristic editing and imputation that ensures each record has valid values for major characteristics.



Apply differential privacy to ensure confidentiality of responses.



## Redistricting Data Program

### Phase 3 – P.L. 94-171 Redistricting Data Processing



Tabulate and review all redistricting data in multiple formats.



Create physical media, load and test web-based systems.



**Deliver data to the states and public by September 30.**

# Redistricting Data Program

## Public Law 94-171 official tools and materials

The user-friendly tools and materials we intend to deliver in September are the DVDs and Flash Drive and our Data.census.gov Data Explorer platform.

- DVDs and Flash Drives – These are what we deliver to the official recipients with an integrated software browsing tool that allows intuitive browsing of the data. They also contain a custom extraction menu that allows for the extraction of large datasets from the device. Those extractions can then be imported easily into a Geographic Information System or database.
- Data Explorer web tool – The data.census.gov Data Explorer is our online data browsing tool for both the official recipients and the public. Users of the Data Explorer platform can access many different census datasets, including the redistricting data. It has custom filters that allow the user to filter on those geographic and characteristic data for which they are interested. For example, a State could filter the data and easily identify the number of voting-age residents by race or ethnicity in each and every block within a census tract, county, or even for the entire state. They can then view, map, and download these datasets once they have set the filters with their choices.





Ensure all records are coded to their most detailed level of geography.



Conduct characteristic editing and imputation that ensures each record has valid values for major characteristics.



Apply differential privacy to ensure confidentiality of responses.



# Redistricting Data Program

## Phase 3 – P.L. 94-171 Redistricting Data Processing



Tabulate and review all redistricting data in multiple formats.



Legacy Format Summary Files



Create physical media, load and test web-based systems.



**Deliver data to the states and public by September 30.**

# Redistricting Data Program

## Public Law 94-171 Legacy Format Summary Files

### Legacy Format Summary Files

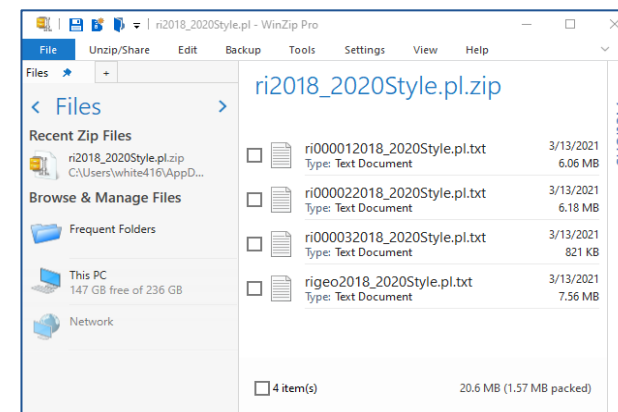
- Product was always part of the 2020 Census product plan
- Format produced and provided to the states since at least Census 2000
- Requires additional handling to properly extract data from this format
- Fully reviewed and cleared for publication by August 16, 2021
- The same data as what will be released in more user-friendly forms by September 30, 2021
  - Used as the source files for the DVD/Flash Drive creation
- Prototype data from the 2018 End-to-End Census Test is available for designing and testing redistricting systems
  - Only for Providence County, Rhode Island

# Redistricting Data Program

## Public Law 94-171 Legacy Format Summary Files

### Physical description

- 2020 formatting is four pipe delimited text files per state contained in a single .ZIP file
  - Geoheader – contains all the geographic codes for the geography include in the redistricting dataset
    - Now contains a GEOCODE field so data can be easily joined to geography
  - Data Segment 1 – Table P1: Race & Table P2: Hispanic or Latino, and not Hispanic or Latino by Race
  - Data Segment 2 – Table P3: Race for the Population 18 Years and Over & Table P4: Hispanic or Latino, and not Hispanic or Latino by Race for the Population 18 and Over & Table H1 – Housing Status (Occupancy)
  - Data Segment 3 – Table P5: Group Quarters Population by Group Quarters Type
- The geoheader must be used together with the data segments in order to access the data
- 2010 formatting was different
  - 3 files in total: 1 geoheader and 2 data segments
  - Geoheader was a fixed width format
  - Data segments were comma delimited



# Redistricting Data Program

## Public Law 94-171 Legacy Format Summary Files

FILEID	STUSAB	SUMLEV	GEOVAR	GEOCOMP	CHARITER	CIFSN	LOGRECNO	GEOID	GEOCODE	REGION	DIVISION	STATE	STATENS
PLST	RI	040	00	00	000	00	0000001	0400000US44	44	1	1	44	01219835
PLST	RI	050	00	00	000	00	0000002	0500000US44007	44007	1	1	44	01219835
PLST	RI	060	00	00	000	00	0000003	0600000US4400711800	4400711800	1	1	44	01219835
PLST	RI	060	00	00	000	00	0000004	0600000US4400714140	4400714140	1	1	44	01219835
PLST	RI	060	00	00	000	00	0000005	0600000US4400719180	4400719180	1	1	44	01219835
PLST	RI	060	00	00	000	00	0000006	0600000US4400720080	4400720080	1	1	44	01219835
PLST	RI	060	00	00	000	00	0000007	0600000US4400722960	4400722960	1	1	44	01219835
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PLST	RI	060	00	00	000	00	0000015	0600000US4400759000	4400759000	1	1	44	01219835

Processing and  
Extracting Data

Screenshot of  
portion of  
geoheader

Link the  
tables on the  
common  
field

FILEID	STUSAB	CHARITER	CIFSN	LOGRECNO	P0010001	P0010002	P0010003	P0010004	P0010005
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PLST	RI	000	01	0000003	16558	15627	14940	95	46
PLST	RI	000	01	0000004	17337	14497	6972	1065	38
PLST	RI	000	01	0000005	82619	76703	59720	4340	427
PLST	RI	000	01	0000006	34709	33271	30439	813	18
PLST	RI	000	01	0000007	45484	43068	36592	2762	72
PLST	RI	000	01	0000008	4550	4282	4202	32	5
PLST	RI	000	01	0000009	10135	9854	9468	236	1
PLST	RI	000	01	0000010	27889	26507	23965	646	30
PLST	RI	000	01	0000011	22130	21107	18900	533	403
PLST	RI	000	01	0000012	32664	30410	25408	2319	73
PLST	RI	000	01	0000013	12308	11780	11239	190	0
PLST	RI	000	01	0000014	70765	62475	41186	8770	626
PLST	RI	000	01	0000015	164341	149399	69996	24695	2302
PLST	RI	000	01	0000016	10489	10033	9687	155	0
PLST	RI	000	01	0000017	21740	20874	19697	345	140

Screenshot of  
portion of data  
segment 1

# Redistricting Data Program

## Public Law 94-171 Legacy Format Summary Files

FILEID	STUSAB	SUMLEV	GEOVAR	GEOCOMP	CHARITER	CIFSN	LOGRECNO	GEOID	GEOCODE	REGION	DIVISION	STATE	STATENS
PLST	RI	040	00	00	000	00	0000001	0400000US44	44	1	1	44	01219835
PLST	RI	050	00	00	000	00	0000002	0500000US44007	44007	1	1	44	01219835
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PLST	RI	060	00	00	000	00	0000012	0600000US4400751760	4400751760	1	1	44	01219835
PLST	RI	060	00	00	000	00	0000013	0600000US4400752480	4400752480	1	1	44	01219835
PLST	RI	060	00	00	000	00	0000014	0600000US4400754640	4400754640	1	1	44	01219835
PLST	RI	060	00	00	000	00	0000015	0600000US4400759000	4400759000	1	1	44	01219835

Screenshot of portion of geoheader

Q: I want total population for my townships in RI.

Township identifier is in Summary Level field as 060

Total Population field is in data segment 1 as field P0010001

FILEID	STUSAB	CHARITER	CIFSN	LOGRECNO	P0010001	P0010002	P0010003	P0010004	P0010005
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PLST	RI	000	01	0000002	614053	566407	410378	49589	4269
PLST	RI	000	01	0000003	16558	15627	14940	95	46
PLST	RI	000	01	0000004	17337	14497	6972	1065	38
PLST	RI	000	01	0000005	82619	76703	59720	4340	427
PLST	RI	000	01	0000006	34709	33271	30439	813	18
PLST	RI	000	01	0000007	45484	43068	36592	2762	72
PLST	RI	000	01	0000008	4550	4282	4202	32	5
PLST	RI	000	01	0000009	10135	9854	9468	236	1
PLST	RI	000	01	0000010	27889	26507	23965	646	30
PLST	RI	000	01	0000011	22130	21107	18900	533	403
PLST	RI	000	01	0000012	32664	30410	25408	2319	73
PLST	RI	000	01	0000013	12308	11780	11239	190	0
PLST	RI	000	01	0000014	70765	62475	41186	8770	626
PLST	RI	000	01	0000015	164341	149399	69996	24695	2302
PLST	RI	000	01	0000016	10489	10033	9687	155	0
PLST	RI	000	01	0000017	21740	20874	19697	345	140

Screenshot of portion of data segment 1

# Redistricting Data Program

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PLST	RI	050	00	00	000	00	0000002	0500000US44007	44007	1	1	44	01219835
PLST	RI	060	00	00	000	00	0000003	0600000US4400711800	4400711800	1	1	44	01219835
PLST	RI	060	00	00	000	00	0000004	0600000US4400714140	4400714140	1	1	44	01219835
PLST	RI	060	00	00	000	00	0000005	0600000US4400719180	4400719180	1	1	44	01219835
PLST	RI	060	00	00	000	00	0000006	0600000US4400720080	4400720080	1	1	44	01219835
PLST	RI	060	00	00	000	00	0000007	0600000US4400722960	4400722960	1	1	44	01219835
PLST	RI	060	00	00	000	00	0000008	0600000US4400727460	4400727460	1	1	44	01219835
PLST	RI	060	00	00	000	00	0000009	0600000US4400730340	4400730340	1	1	44	01219835
PLST	RI	060	00	00	000	00	0000010	0600000US4400737720	4400737720	1	1	44	01219835
PLST	RI	060	00	00	000	00	0000011	0600000US4400741500	4400741500	1	1	44	01219835
PLST	RI	060	00	00	000	00	0000012	0600000US4400751760	4400751760	1	1	44	01219835
PLST	RI	060	00	00	000	00	0000013	0600000US4400752480	4400752480	1	1	44	01219835
PLST	RI	060	00	00	000	00	0000014	0600000US4400754640	4400754640	1	1	44	01219835
PLST	RI	060	00	00	000	00	0000015	0600000US4400759000	4400759000	1	1	44	01219835

Screenshot of portion of geoheader

Q: I want total population  
For my townships in RI.

Query: From the GEOHEADER file  
give me records where **SUMLEV = 060**. Output the corresponding **GEOCODE**, **NAME** (not shown on slide) and **P0010001**

FILEID	STUSAB	CHARITER	CIFSN	LOGRECNO	P0010001	P0010002	P0010003	P0010004	P0010005
PLST	RI	000	01	0000001	614053	566407	410378	49589	4269
PLST	RI	000	01	0000002	614053	566407	410378	49589	4269
PLST	RI	000	01	0000003	16558	15627	14940	95	46
PLST	RI	000	01	0000004	17337	14497	6972	1065	38
PLST	RI	000	01	0000005	82619	76703	59720	4340	427
PLST	RI	000	01	0000006	34709	33271	30439	813	18
PLST	RI	000	01	0000007	45484	43068	36592	2762	72
PLST	RI	000	01	0000008	4550	4282	4202	32	5
PLST	RI	000	01	0000009	10135	9854	9468	236	1
PLST	RI	000	01	0000010	27889	26507	23965	646	30
PLST	RI	000	01	0000011	22130	21107	18900	533	403
PLST	RI	000	01	0000012	32664	30410	25408	2319	73
PLST	RI	000	01	0000013	12308	11780	11239	190	0
PLST	RI	000	01	0000014	70765	62475	41186	8770	626
PLST	RI	000	01	0000015	164341	149399	69996	24695	2302
PLST	RI	000	01	0000016	10489	10033	9687	155	0
PLST	RI	000	01	0000017	21740	20874	19697	345	140

Screenshot of portion of data segment 1



# Redistricting Data Program

## Public Law 94-171 Legacy Format Summary Files

SUMLEV	GEOCODE	NAME	P0010001
060	4400711800	Burrillville town	16558
060	4400714140	Central Falls city	17337
060	4400719180	Cranston city	82619
060	4400720080	Cumberland town	34709
060	4400722960	East Providence city	45484
060	4400727460	Foster town	4550
060	4400730340	Glocester town	10135
060	4400737720	Johnston town	27889
060	4400741500	Lincoln town	22130
060	4400751760	North Providence town	32664
060	4400752480	North Smithfield town	12308
060	4400754640	Pawtucket city	70765
060	4400759000	Providence city	164341
060	4400764220	Scituate town	10489
060	4400766200	Smithfield town	21740
060	4400780780	Woonsocket city	40335

Screenshot of results

Query Results: From the GEOHEADER file give me records where **SUMLEV = 060** and output the corresponding **GEOCODE**, **NAME** and **P0010001**



# Redistricting Data Program

## Public Law 94-171 Legacy Format Summary Files

### Support

- Consultations with major software vendors, NCSL, and individual states to ensure they understand the August format
- 2020 Census State Redistricting (P.L. 94-171) Summary File Technical Documentation
- Prototype P.L. 94-171 Redistricting Data Summary File
  - Content from the 2018 End-to-End Census Test in Providence County, RI
  - In the format planned for the 2020 Census Legacy Format Summary Files
- Header File – Excel Format
  - Tabs for the header of each file which can be imported into other software or used within Excel
  - Tabs with plain English definition for the headers
- Microsoft Access database shell
  - Tables shells for each file
  - Example queries to demonstrate query logic and provide practice
  - Illustrated step-by-step guide on how to use the Microsoft Access database shell
- SAS script for import of the Legacy Format Summary File

# Redistricting Data Program

## P.L. 94-171 Redistricting Data Delivery

### Legacy Format Summary Files

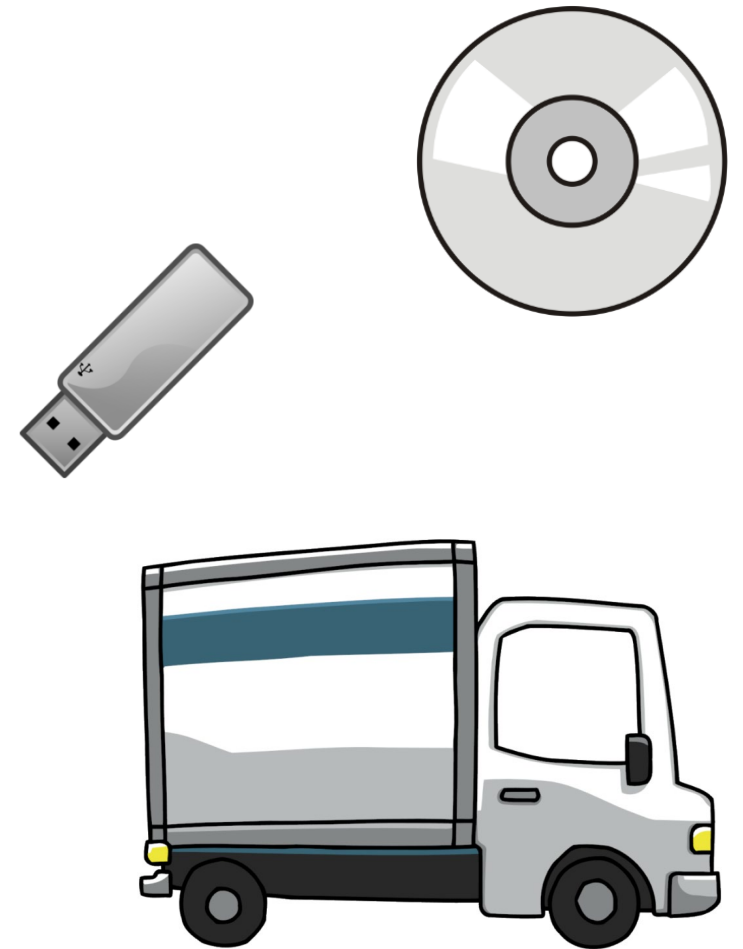
- Release files to states and public on Public File Transfer Protocol (Public FTP) site by August 16, 2021.

### User-Friendly Format Summary Files

- Mail files to official state recipients on physical media (DVD/Flash Drive) by September 30, 2021 (Confirm Receipt).
- Release to states and public via the Data Explorer web tool <data.census.gov> by September 30, 2021.

### Official State Recipients of the Data

- Governors
- Majority and Minority Legislative Leadership
- Redistricting Commissions (if established)
- Non-partisan State Liaisons



# Redistricting Data Program

## Where to get the data.

[WWW.CENSUS.GOV/RDO](http://WWW.CENSUS.GOV/RDO)

Voting Rights Data  
(Section 203 & CVAP)

# Decennial Census of Population and Housing

<b>About the Decennial Census</b>
Why a Census?
History of the Census
Census in the Constitution
Decennial and the American Community Survey (ACS)
Coverage Measurement
Local Update of Census Addresses Operation (LUCA)
New Construction Program
Participant Statistical Areas Program (PSAP)
<b>Redistricting</b>
Voting Rights
Related Sites
Information for Respondents
By Decade



## Redistricting Data Program



REDISTRICTING & VOTING RIGHTS DATA OFFICE (RDO@CENSUS.GOV OR 301-763-4039)



MAY 05, 2017

### Redistricting Data Program Congressional Districts

Guidance and access to information about congressional districts and congressional district products.

MAY 08, 2017

### Redistricting Data Program State Legislative Districts

Guidance and access to information about state legislative districts and state legislative district products.

MAY 08, 2017

### Decennial Census P.L. 94-171 Redistricting Data Summary Files

Guidance and documentation to assist in accessing P.L. 94-171 Redistricting Data

### Redistricting Data Program Management

Guidance about and for participation in the Redistricting Data Program for the current and past Decennial Censuses.

Prototype Data & Legacy format summary  
file support materials

Shape  
your future  
START HERE >

United States<sup>®</sup>  
Census  
2020

# Thank You

**James Whitehorne**

**Chief - Census Redistricting & Voting Rights Data Office**

**Email: [rdo@census.gov](mailto:rdo@census.gov)**

**Phone: 1-301-763-4039**

**Web: [www.census.gov/rdo](http://www.census.gov/rdo)**