

2020 Redistricting Data Program Overview

2020 Census OD 14

Census Integration Group Meeting September 22nd, 2020

Presented by: Redistricting Group of Four

2020 Redistricting Data Program (RDP)

- Public Law 94-171, enacted by Congress in December 1975, requires the Census Bureau to provide the states with the small area census data necessary for legislative redistricting. The law also requires that the Census Bureau deliver this data no later than one year from Census day (April 1, 2021).
- As part of the Redistricting Data Program (RDP), states may choose to help define tabulation blocks, and provide voting districts, state legislative districts, and congressional districts by participating in different phases of the RDP.
- Most importantly, the program must be conducted in a non-partisan manner. One of the ways we accomplish this is by having the state legislative leadership of both parties agree on a non-partisan liaison(s) who can represent the state in a non-partisan manner and we work with them throughout the program.

2020 Redistricting Data Program (RDP)

The Five Phases of the RDP

- Phase 1: Block Boundary Suggestion Project (BBSP)
- Phase 2: Voting District Project (VTD)
- Phase 3: Data Delivery
 - P.L. 94-171 Redistricting Data Tabulations & Geographic Support Products
- Phase 4: Collection of Post-2020 Census Redistricting Plans
 - 118th 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

2020 Redistricting Data Program (RDP)

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

Table P1 – Race

Table P2 – Race for the Population 18 Years and Over

Table P3 – Hispanic or Latino, and not Hispanic or Latino by Race

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

Table H1 – Occupancy Status (Housing)

New Table

Table P5 – Group Quarters Population by Group Quarters Type

- Data are provided for multiple levels of geography, including census blocks.
- Universe for Table P5 – Group Quarters Population by Group Quarters Type is Total Population only. There is no demographic breakdown included.

2020 Redistricting Data Program (RDP)

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

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

- 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 Operation (RDP)

Phase 3 – Prototype Data

Activity	Date
Prototype geographic support products	February 2019 (Complete)
Prototype P.L. 94-171 Redistricting Data	March 2019 (Complete)

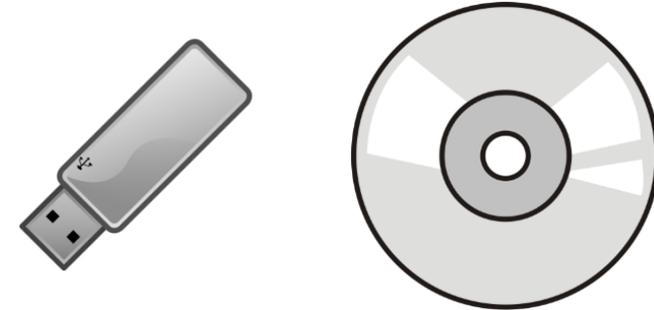
Phase 3 – Official Data (Schedule TBD)

Activity	Date
Geographic support products	TBD
P.L. 94-171 Redistricting Data	TBD

Redistricting Data Program Operation (RDP)

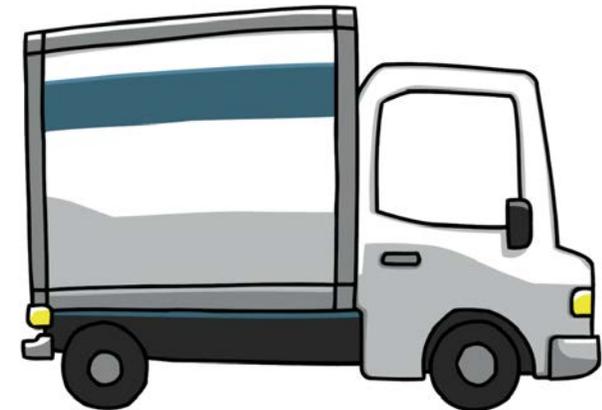
Official Recipients of the Redistricting Data

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



Method of delivery

- Physical media – DVD/Flash Drive
- Embargoed access to data.census.gov (Requires Pre-registration)
- Confirmation of data's receipt
 - Web monitoring + Phone Call
 - Mail Tracking + Phone Call



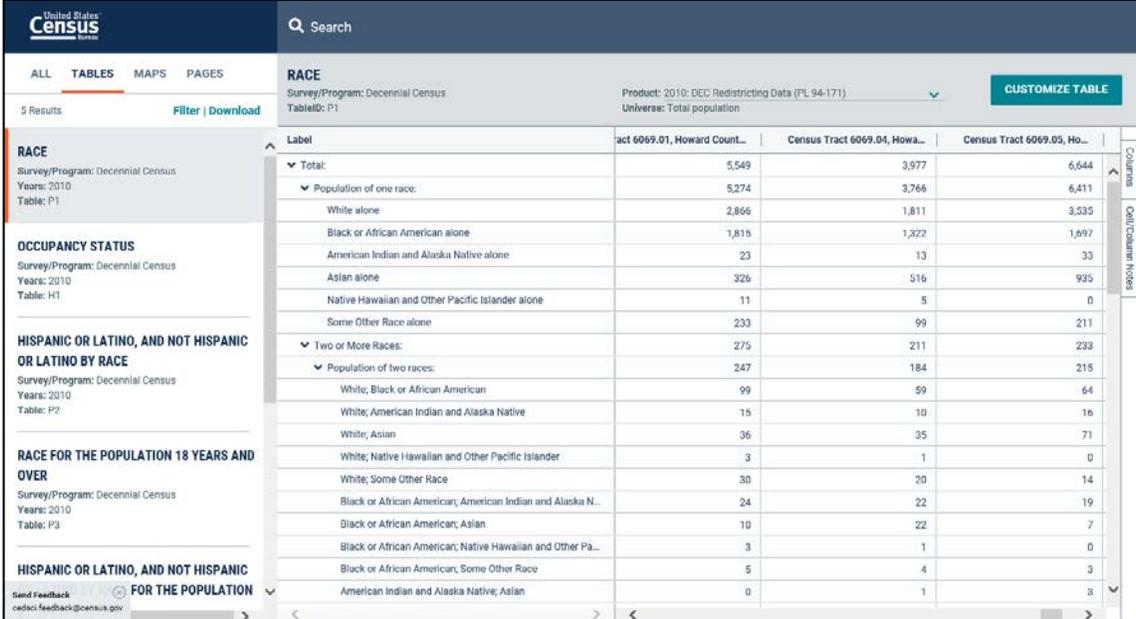
Redistricting Data Program Operation (RDP)

Census Data Explorer – data.census.gov

- Full Data Explorer functionality
- Large data download

File Transfer Protocol (FTP) site

- Expert users
- Full P.L. 94-171 Redistricting Data File
- Relational tables
 - Geoheader + three data segments
 - Geoheader
 - File 01 (P1 & P2)
 - File 02 (P3, P4 & H1)
 - File 03 (P5)
 - All stored as pipe-delimited text files (including the geoheader)



The screenshot shows the Census Data Explorer interface. The top navigation bar includes 'ALL TABLES MAPS PAGES' and a search bar. The main content area displays a table with the following data:

Label	act 6069.01, Howard Count...	Census Tract 6069.04, How...	Census Tract 6069.05, Ho...
▼ Total:	5,549	3,977	6,644
▼ Population of one race:	5,274	3,766	6,411
White alone	2,866	1,811	3,535
Black or African American alone	1,815	1,322	1,697
American Indian and Alaska Native alone	23	13	33
Asian alone	326	516	935
Native Hawaiian and Other Pacific Islander alone	11	5	0
Some Other Race alone	233	99	211
▼ Two or More Races:	275	211	233
▼ Population of two races:	247	184	215
White, Black or African American	99	59	64
White, American Indian and Alaska Native	15	10	16
White, Asian	36	35	71
White, Native Hawaiian and Other Pacific Islander	3	1	0
White, Some Other Race	30	20	14
Black or African American, American Indian and Alaska N...	24	22	19
Black or African American, Asian	10	22	7
Black or African American, Native Hawaiian and Other Pa...	3	1	0
Black or African American, Some Other Race	5	4	3
American Indian and Alaska Native, Asian	0	1	8

Redistricting ITE Testing Updates

OD 14 Redistricting Progress

Completed Activities:

- All test threads were identified prior to TRR (in conjunction with OD 13 post-TRR testing)
- All functionality was verified prior to TRR with defect resolution occurring post-TRR
- Executed & passed 26 out of 26 total planned test cases
 - ✓ 11 Interface
 - ✓ 15 Functional

Upcoming/Ongoing Activities:

- Support ODs 12.2 and 13 with Prod checkout test execution

Issues/Concerns:

- None specific to TRR activities
- Monitoring date changes and impacts to P.L. 94-171 delivery schedule

Redistricting CEDSCI Testing Updates

Status of Known Defects at TRR

- **High Priority** - Large Data Download: Displaying the ability to download the six PL tables for all blocks in Texas (914,000 blocks in Texas in 2010)
 - Defect Resolved and Successfully Retested
- **Medium Priority** - Display of Data and Permissions
 - Defect Resolved and Successfully Retested
 - User guides will be updated with best practices
 - Resolution also included processing updates to ensure CEDSCI wipes ACS indexing prior to performing indexing for PL data
- **Low Priority** – AIA Drilldown
 - Original defect 87221 did not correct the issue.
 - New defect 88315 opened
 - Estimated date for code push is October 7th, 2020

New Defects Post-TRR

- **Low Priority** – Uncompressed File Download Size Display on Download Page
 - Partially resolved. Redistricting requesting if the Compressed File Download size can be displayed to reduce end-user confusion.
 - ECD Pending