

2020 CENSUS DATA AND REDISTRICTING DATA

Presentation for
Planning Director's Roundtable
September 30, 2021

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CENSUS P.L. 94-171 DATA

- Census Data Released on August 12, 2021 (Sep. 16, 2021)
 - Table P1 -- Total Population by Race
 - Table P2 -- Total Population by Hispanic or Latino and Not Hispanic or Latino by Race
 - Table P3 -- Voting age Population (Population 18 years and Over) by Race
 - Table P4 -- Voting age Population by Hispanic or Latino and Not Hispanic or Latino by Race
 - Table P5 -- Group Quarters Population by Major Group Quarters Type
 - Table H1 -- Occupancy Status

HOW TO ACCESS THE CENSUS DATA

- <https://planning.maryland.gov/MSDC/Pages/default.aspx>

The screenshot shows the Maryland State Data Center website. At the top, there is a navigation menu with links for HOME, CENSUS DATA, ACS, ESTIMATES, PROJECTIONS, JOB/INCOME, MAPS/GIS, ECON & AG CENSUS, and MDP. A search bar is located on the left. Below the navigation is the Maryland State Data Center logo and a description of the center's role as an official partner with the U.S. Census Bureau. A dropdown menu for 'County Specific Data' is visible. A large blue box with white text and arrows reads '2020 Census Data Released'. To the right, there are three columns of links: 'Alert' (including COVID-19 information), 'Popular Links' (including MD Statistical Handbook and ACS Data), and 'Quick Links' (including Median Household Incomes and Sustainability Indicators).

HOW TO ACCESS THE CENSUS DATA

- https://planning.maryland.gov/MSDC/Pages/census/Census2020/pL_2020redistricting.aspx

DISCLAIMER

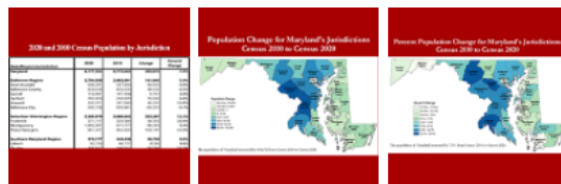
The data made available for download on this page is the Census 2020 redistricting Data (P.L. 94-171) as provided by the U.S. Census Bureau. This data has NOT yet been adjusted as directed by Md. Code Ann., State Gov't § 2-2A-01, by properly locating certain incarcerated individuals and therefore SHOULD NOT be used for redistricting purposes. Any redistricting submissions based on this unadjusted data may not meet the parameters of an acceptable district and could potentially be rejected by the Maryland Citizens redistricting Commission.

Note: The adjusted data for redistricting is available [here](#).

Census 2020 Population and Housing Unit Summary

Map: Population Change, 2010 to 2020

Map: Population Percent Change, 2010 to 2020



[More](#)

Census 2020 P.L. 94-171 Data

Release Date: August 12, 2021
(Public Law 94-171, U.S. Census Bureau redistricting Data Release)

The Census 2020 redistricting Summary File contains the following tables:

- Table P1 -- Total Population by Race
- Table P2 -- Total Population by Hispanic or Latino and Not Hispanic or Latino by Race
- Table P3 -- Voting age Population (Population 18 years and Over) by Race
- Table P4 -- Voting age Population by Hispanic or Latino and Not Hispanic or Latino by Race

Total Population Counts (Tables P1 and P2) :

- County
- Census Incorporated Places and Census Designated Places
- Congressional District
- Legislative District- Senate
- Legislative District- House
- Census Tracts
- Block Groups
- Blocks - Zip File
- Voting Districts

Population 18 Years and Over (Tables P3, P4, and H1) :

- County
- Census Incorporated Places and Census Designated Places
- Congressional District
- Legislative District- Senate
- Legislative District- House
- Census Tracts
- Block Groups
- Blocks - Zip File
- Voting Districts

Group Quarters Population (Table P5) :

- County
- Census Incorporated Places and Census Designated Places
- Congressional District
- Legislative District- Senate
- Legislative District- House
- Census Tracts
- Block Groups
- Blocks - Zip File
- Voting Districts

Download Census 2020 Geographies (zipped file formats):

- Shapefile (93.5 Mb)
- Geodatabase (44.3 Mb)
- Geojson (81.2 Mb)

MARYLAND REDISTRICTING DATA

- *Maryland law requires Census data to be adjusted to have incarcerated individuals reallocated to their last known address.*
 - Adjusted Total Population by Race and Hispanic origin
 - Geographies
 - Census Blocks
 - Census Block Groups
 - Census Tracts
 - Voting Districts
 - County

HOW TO ACCESS MARYLAND REDISTRICTING DATA

- <https://redistricting.maryland.gov/Pages/data.aspx>

The screenshot shows the website for the Maryland Citizens Redistricting Commission. The page title is "2020 Redistricting Data for Maryland". The main content area contains a paragraph explaining that the commission prefers map submissions to be made using the MORE portal, but provides data files for those who use other software. A list of data files is highlighted with a green box:

- ESRI Geodatabase
- GeoJson file
- CSV file
- Excel file
- Data dictionary

Below the list, a note states: "Any redistricting submissions based on any other data may not meet the parameters of an acceptable district and could potentially be rejected by the Maryland Citizens Redistricting Commission."

On the left sidebar, there are sections for "Online Redistricting Mapping Portal" and "Stay Informed".

Online Redistricting Mapping Portal

- [Redistricting Map Submission Process](#)
- [Create a Plan on the MORE Web Portal](#)
- [Online Redistricting Manual](#)
- [Maptitude Online Redistricting Quick Start Guide](#)

Stay Informed

- [Commission Members](#)
- [Commission Meetings](#)

2020 CENSUS PUBLIC USE MICRODATA SAMPLE (PUMS)

- What are the PUMS files?
 - The U. S. Census Bureau's Public Use Microdata Sample (PUMS) files are a set of records from individual people or housing units.
 - PUMS files incorporates disclosure protection so that individuals or housing units cannot be identified
- Defined every ten years for the tabulation and dissemination of the decennial census and American Community Survey (ACS) Public Use Microdata Sample (PUMS) data.

PUMS GEOGRAPHIES

Data are available for specified geographies:

- U. S. Regions
- U. S. Divisions
- States
- Public Use Microdata Areas (PUMAs)
 - PUMAs have a minimum population threshold of 100,000 persons and must maintain that population throughout the decade
 - PUMAs are the smallest geography for which PUMS data are available

PRELIMINARY SCHEDULE FOR DELINEATING PUMAS

Summer 2021

Final 2020 PUMA criteria posted to Census web page.

September 2021

Census Bureau sends email notification to State Data Center points of contact officially announcing the program. Participant materials post on web page.

Fall 2021

Census Bureau conducts training (Oct. 6th, Oct. 27th and Dec. 15th)

November 2021 through January 2022

The 90 - day review period for the State Data center to delineate and submit PUMAs.

Summer 2022

Final 2020 PUMAs and their associated data are available online

MARYLAND JURISDICTION POPULATION 2020 AND 2010

| JURISDICTION | CENSUS | | CHANGE | |
|------------------|------------------|------------------|----------------|-------------|
| | 2020 | 2010 | Net | Percent |
| MARYLAND | 6,177,224 | 5,773,552 | 403,672 | 7.0% |
| Allegany | 68,106 | 75,087 | -6,981 | -9.3% |
| Anne Arundel | 588,261 | 537,656 | 50,605 | 9.4% |
| Baltimore City | 585,708 | 620,961 | -35,253 | -5.7% |
| Baltimore County | 854,535 | 805,029 | 49,506 | 6.1% |
| Calvert | 92,783 | 88,737 | 4,046 | 4.6% |
| Caroline | 33,293 | 33,066 | 227 | 0.7% |
| Carroll | 172,891 | 167,134 | 5,757 | 3.4% |
| Cecil | 103,725 | 101,108 | 2,617 | 2.6% |
| Charles | 166,617 | 146,551 | 20,066 | 13.7% |
| Dorchester | 32,531 | 32,618 | -87 | -0.3% |
| Frederick | 271,717 | 233,385 | 38,332 | 16.4% |
| Garrett | 28,806 | 30,097 | -1,291 | -4.3% |
| Harford | 260,924 | 244,826 | 16,098 | 6.6% |
| Howard | 332,317 | 287,085 | 45,232 | 15.8% |
| Kent | 19,198 | 20,197 | -999 | -4.9% |
| Montgomery | 1,062,061 | 971,777 | 90,284 | 9.3% |
| Prince George's | 967,201 | 863,420 | 103,781 | 12.0% |
| Queen Anne's | 49,874 | 47,798 | 2,076 | 4.3% |
| St. Mary's | 113,777 | 105,151 | 8,626 | 8.2% |
| Somerset | 24,620 | 26,470 | -1,850 | -7.0% |
| Talbot | 37,526 | 37,782 | -256 | -0.7% |
| Washington | 154,705 | 147,430 | 7,275 | 4.9% |
| Wicomico | 103,588 | 98,733 | 4,855 | 4.9% |
| Worcester | 52,460 | 51,454 | 1,006 | 2.0% |

MARYLAND 2010 PUMAS AND POTENTIAL 2020 PUMAS

| JURISDICTION | CENSUS | | 2010 PUMA Count | Potential 2020 PUMA Count | 2020 POTENTIAL PUMA TYPE | | |
|------------------|------------------|------------------|-----------------|---------------------------|--------------------------|----------|-----------|
| | 2020 | 2010 | | | Single | Multi | PUMA part |
| MARYLAND | 6,177,224 | 5,773,552 | 44 | 61 | 6 | 8 | |
| Allegany | 68,106 | 75,087 | 0.5 | pt | | | X |
| Anne Arundel | 588,261 | 537,656 | 4 | 5 | | X | |
| Baltimore City | 585,708 | 620,961 | 5 | 5 | | X | |
| Baltimore County | 854,535 | 805,029 | 7 | 8 | | X | |
| Calvert | 92,783 | 88,737 | 0.5 | pt | | | X |
| Caroline | 33,293 | 33,066 | 0.2 | pt | | | X |
| Carroll | 172,891 | 167,134 | 1 | 1 | X | | |
| Cecil | 103,725 | 101,108 | 1 | 1 | X | | |
| Charles | 166,617 | 146,551 | 1 | 1 | X | | |
| Dorchester | 32,531 | 32,618 | 0.2 | pt | | | X |
| Frederick | 271,717 | 233,385 | 2 | 2 | | X | |
| Garrett | 28,806 | 30,097 | 0.5 | pt | | | X |
| Harford | 260,924 | 244,826 | 2 | 2 | | X | |
| Howard | 332,317 | 287,085 | 2 | 3 | | X | |
| Kent | 19,198 | 20,197 | 0.2 | pt | | | X |
| Montgomery | 1,062,061 | 971,777 | 7 | 10 | | X | |
| Prince George's | 967,201 | 863,420 | 7 | 9 | | X | |
| Queen Anne's | 49,874 | 47,798 | 0.2 | pt | | | X |
| St. Mary's | 113,777 | 105,151 | 0.5 | 1 | X | | |
| Somerset | 24,620 | 26,470 | 0.34 | pt | | | X |
| Talbot | 37,526 | 37,782 | 0.2 | pt | | | X |
| Washington | 154,705 | 147,430 | 1 | 1 | X | | |
| Wicomico | 103,588 | 98,733 | 0.33 | 1 | X | | |
| Worcester | 52,460 | 51,454 | 0.33 | pt | | | X |

CENSUS COUNT QUESTION RESOLUTION (CQR)

- Census's Count Question Resolution process
- How to question the counts - and find the errors
- Data resources and technical assistance

CENSUS COUNT QUESTION RESOLUTION (CQR)

Only three error types can be appealed to Census Bureau:

- a) Boundaries errors: erroneous boundary lines, causing miscalculations of city and township totals
 - b) Geolocation errors: address points mis-assigned to wrong blocks
 - c) Coverage of residential addresses or GQs - if Census missed, then uncounted
- If state or local governments can identify and substantiate errors, Census Bureau can consider through the **Count Question Resolution** process
 - Only mechanism to request review and remedy of official Census results
 - MD SDC will provide training and technical assistance in 2022

CENSUS COUNT QUESTION RESOLUTION (CQR)

- State, and local governments review published 2020 Census results. If they suspect errors with boundaries or housing counts by block, they may file a CQR case.
- CQR staff receives cases, reviews the case materials for correctness and completeness, and determines whether the case is in scope.
- In-scope cases are sent to Census staff for research and resolution. Census staff will review the 2020 Census enumeration and processing records in conjunction with the evidence supplied with the case.
- If no processing errors are found, there will be no updates and the case is closed.
- If processing errors are found, they are addressed within Census Bureau records and systems.
- The Census Bureau provides the disposition for each CQR case to the highest elected official(s) of all impacted government(s) via a determination letter, and posts any revised housing and population counts for each affected census block as errata on the 2020 CQR website

Source: Matthew Frates, CQR Program, Census Bureau

CENSUS COUNT QUESTION RESOLUTION (CQR)

- Program open to state, and local governments; Jan. 2022 to June 30, 2023
- Scope is limited to these error types:
 - Boundaries errors
 - Geolocation of Living Quarters
 - Coverage of Living Quarters
- Burden of proof is steep climb for the last error type
 - “Coverage corrections are limited to census processing errors, i.e., erroneous exclusions of housing identified as existing in census records.”
 - Census Bureau does not like to concede “coverage” errata - there were only 116 successful “coverage” cases following 2010 Census

CENSUS COUNT QUESTION RESOLUTION (CQR)

- Consider CQR a due diligence exercise
 - If you only find tiny discrepancies, may not be worth the trouble
- Boundaries cases likely prevail if Census's boundaries are wrong
- Geolocation and Coverage appeals will be more opaque
- MD SDC will provide technical assistance

USEFUL LINKS

Census 2020 P.L. 94-171 Data

https://planning.maryland.gov/MSDC/Pages/census/Census2020/pL_2020redistricting.aspx

2020 Redistricting Data for Maryland

<https://redistricting.maryland.gov/Pages/data.aspx>

Public Use Microdata Sample (PUMS)

<https://www.census.gov/programs-surveys/acs/microdata.html>

2020 Census Count Question Resolution

<https://www.census.gov/newsroom/press-kits/2021/2020-census-count-question-resolution.html>

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