# PUMA DELINEATION

Presentation for

## BMC Cooperative Forecasting Group

October 27, 2021

Alfred Sundara, AICP

Manager, Projections and State Data Center

Maryland Department of Planning

**Maryland**
DEPARTMENT OF PLANNING

# 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.

Maryland
DEPARTMENT OF PLANNING

# 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

**Maryland**
DEPARTMENT OF PLANNING

# 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
DEPARTMENT OF PLANNING

# 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 |

Maryland
DEPARTMENT OF PLANNING

# Upcoming PUMA Workshop

- Maryland State Data Center to host a PUMA workshop – on November 17$^{th}$ from 10 AM to 11:30 AM

- Go over PUMA delineation guidelines

- Overview of using the software

- Schedule

- Technical assistance

**Maryland**
DEPARTMENT OF PLANNING

# USEFUL LINKS

Public Use Microdata Sample (PUMS)

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

Public Use Microdata Areas (PUMAs)

https://www.census.gov/programs-surveys/geography/guidance/geo-areas/pumas.html

# CONTACT

Alfred Sundara, AICP
Manager, Projections and State Data Center
Ph: 410-767-4002
Email: Alfred.Sundara@Maryland.gov

Jesse Ash
Senior Planner, State Data Center
Ph: 410-767-4453
Email: Jesse.ash@maryland.gov

Maryland
DEPARTMENT OF PLANNING