

Carroll County



Master Plan

DATA HANDBOOK - PART I -

A Resource for Discussions and Decision-Making

September 25, 2024

Table of Contents

| | |
|---|-----------|
| Population & Households | 9 |
| Households..... | 9 |
| Population | 12 |
| Components of Population Change | 16 |
| Population Distributions (2024) | 18 |
| Population Projections..... | 22 |
| Per Capita and Household Income | 25 |
| Housing..... | 26 |
| Vital Statistics & Health | 31 |
| Births vs. Deaths | 31 |
| Causes of Death..... | 33 |
| Group Quarters Populations..... | 36 |
| Assisted Living & Disabled Population Statistics..... | 37 |
| Drug & Alcohol Overdoses | 38 |
| Poverty Statistics..... | 39 |
| Education | 42 |
| School Enrollments | 42 |
| Degree Attainment..... | 46 |
| Economic Development | 48 |
| Employment..... | 48 |
| Jobs by Industry (2020)..... | 50 |
| Jobs Projections | 53 |
| Job Wages..... | 55 |

List of Charts

| | |
|---|----|
| Chart 1: Estimated # Housing Units (ACSDP5Y2022 Estimates)..... | 9 |
| Chart 2: Estimated Occupancy Rate (ACSDP5Y2022 Estimates)..... | 10 |
| Chart 3: Carroll County Growth by Residential U&O's: Historic to Current..... | 10 |
| Chart 4: Average Household Size Estimates (ACSDP5Y2022 Estimates)..... | 11 |
| Chart 5: Carroll County Population Growth (2010C to Dec 2020) | 12 |
| Chart 6: Population Growth by Election District (2020 Census to 2010 Census)..... | 13 |
| Chart 7: Population Change by Election District (2010 Census to 2020 Census)..... | 13 |
| Chart 8: Population by County (2010 Census to 2020 Census)..... | 14 |
| Chart 9: Population Change by County (2010 Census to 2020 Census)..... | 14 |
| Chart 10: Current Population Estimates by County – 2020 to 2023..... | 15 |
| Chart 11: Estimated Population Change by County (2020 Census to July 2023)..... | 15 |
| Chart 12: Natural Change: Births versus Deaths: 2014 to 2021..... | 16 |

| | |
|--|----|
| Chart 13: Death Rate by County 2014 to 2021 | 16 |
| Chart 14: Estimated Migration – Net flows, In-flows, and Outflows (ACS 2016 – 2020)..... | 17 |
| Chart 15: Estimated Migration – Net flows, In-flows, and Outflows (ACS 2016 – 2020)..... | 17 |
| Chart 16: Population by Race: Census 2020 vs Census 2010 | 18 |
| Chart 17: County Comparison: Population by Race: Census 2020 vs Census 2010..... | 19 |
| Chart 18: Population By Age: Census 2020 vs Census 2010 | 20 |
| Chart 19: Population Change by Age: Census 2010 to Census 2020 | 21 |
| Chart 20: Median Age by County: 2017 – 2022 (ACSSTP5Y2022) | 21 |
| Chart 21: Old Age Dependency Ratio by County (ACSSTP5Y2022)..... | 22 |
| Chart 22: Historic and Projected Population Growth by County Jurisdiction | 23 |
| Chart 23: Projected Population Change by County Jurisdiction..... | 23 |
| Chart 24: Carroll County Population Projections by Age: 2020 Census vs 2040 Projections | 24 |
| Chart 25: Income by County (Median, Mean, Per Capita)..... | 25 |
| Chart 26: Type of Housing (2017-2022)..... | 26 |
| Chart 27: Housing Units by #Bedrooms by County (2017-2022)..... | 27 |
| Chart 28: Tenure by County (Census 2020) | 27 |
| Chart 29: Owner-occupied with a Mortgage by County (2017 – 2022)..... | 28 |
| Chart 30: Length of Home Ownership (2017 – 2022)..... | 28 |
| Chart 31: Carroll County: Home Heating Systems (2017 – 2022)..... | 29 |
| Chart 32: Home Heating Systems by County (2017 – 2022)..... | 29 |
| Chart 33: Vehicles per Household (2017 – 2022)..... | 30 |
| Chart 34: Carroll County: Births versus Deaths: 2014 to 2021 | 31 |
| Chart 35: Births by County: 2014 to 2021 | 32 |
| Chart 36: Death Rate by County 2014 to 2021 | 32 |
| Chart 37: Carroll County Top 10 Causes of Death: 2021 vs 2014 | 33 |
| Chart 38: Deaths from all Causes by County: 2021 (per 100,000)..... | 34 |
| Chart 39: Deaths from Suicide per County: 2021 (per 100,000) | 35 |
| Chart 40: Deaths from Homicide per County: 2021 (per 100,000)..... | 35 |
| Chart 41: Carroll County: Noninstitutionalized Population with a Disability | 37 |
| Chart 42: Mortality Rates for Unintentional Drug & Alcohol Related Deaths | 38 |
| Chart 43: Carroll County: Poverty by Age Group (2017-2022 avg) vs (2009-2014 avg) | 39 |
| Chart 44: Poverty by County by Age Group..... | 40 |
| Chart 45: Carroll County Poverty Rate by Race Group | 40 |
| Chart 46: Carroll County School Enrollments (2022)..... | 43 |
| Chart 47: Total Public-School Enrollment (Grades K-12), by Jurisdiction, Actual (2022) & Projected | 44 |
| Chart 48: Educational Attainment 25 Yrs. and Older: Carroll County vs Maryland | 46 |
| Chart 49: Educational Attainment 25 Yrs. and Older by County..... | 47 |
| Chart 50: Poverty Rate by Educational Attainment | 47 |
| Chart 51: Carroll County Unemployment Rate: Year 2000 to Present..... | 48 |
| Chart 52: Current Unemployment Rate by County (June 2024)..... | 48 |
| Chart 53: Carroll County: Class of Workers (2017 – 2022)..... | 49 |
| Chart 54: Carroll County: Class of “Work from Home” Workers by Percentage | 49 |
| Chart 55: Carroll County # of Jobs by Industry: 2021 vs 2014 | 50 |
| Chart 56: Baltimore Region Employment Projections | 53 |
| Chart 57: Baltimore Region Projected Job Growth | 54 |

List of Tables

Table 1 : Carroll County Historical Household Size Projections vs Round 10 Projections 11
Table 2: Carroll County Population & Household Projections 22
Table 3: Income by County (Median, Mean, Per Capita) 25
Table 4: Carroll County Top 10 Causes of Death: 2021 vs 2014..... 34
Table 5: Group Quarters 2020 Census vs 2010 Census 36
Table 6: Long-Term Care & Rehabilitation Group Quarters Estimates (Aug 2023)..... 36
Table 7: Mortality Rates by Year/Region for Unintentional Drug & Alcohol Related Deaths 38
Table 8: Carroll County: School Enrollments (2022) 42
Table 9: Total Public-School Enrollment (Grades K-12), by Jurisdiction, Actual (2022) & Projected.. 43
Table 10: Carroll Community College 45
Table 11: McDaniel College 45
Table 12: Carroll County # of Jobs by Industry: 2014 to 2021..... 51
Table 13: Carroll County: Major Employers 52
Table 14: Employment Projections: Estimated Total # Jobs (Round 10) 53
Table 15: Baltimore Region: Projected Job Growth (# of Jobs Added) 54
Table 16: Carroll County #Firms and Job Wages by Job Category..... 55

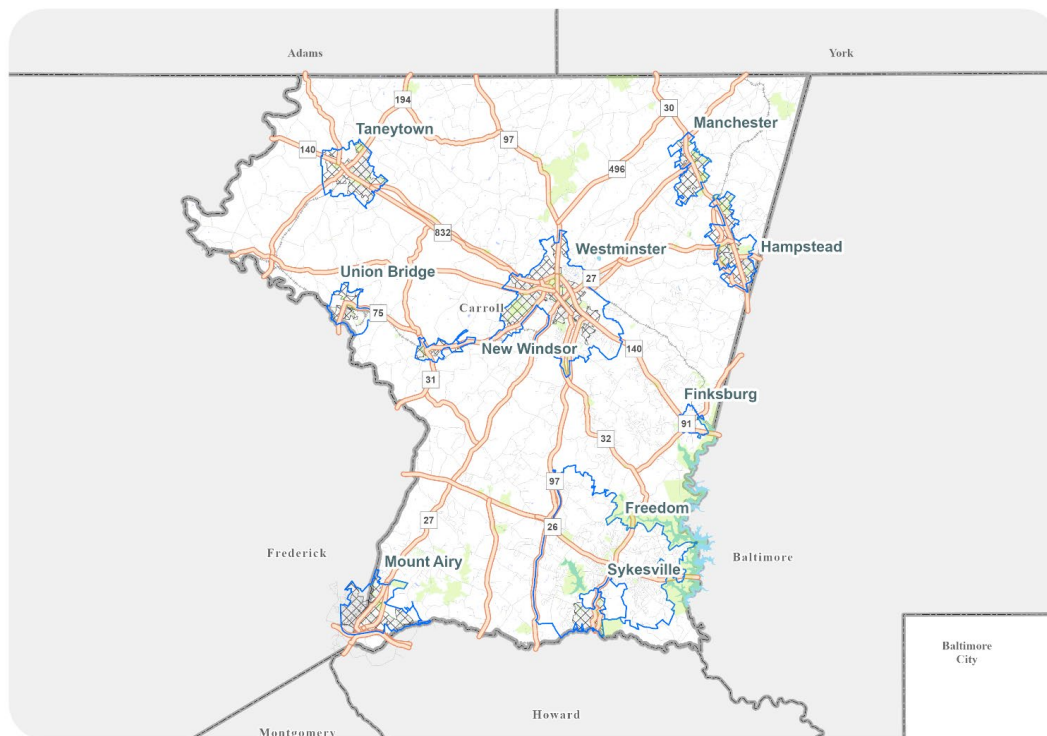
List of Maps

Map 1: Carroll County Poverty Rate by Census Tract 41

INTRODUCTION

The following Data Handbook has been compiled as a resource for reference during the current master plan update: *Carroll County Master Plan 2035*. As the last master plan was adopted in 2014, the focus of the Data Handbook is on changes that have occurred over the past ten years. However, some data presented span a longer or different time period in order to show trends or make use of particular datasets from other years (most notably the 2010 and 2020 censuses). It is presented in two parts, with Part I covering data related to: Population and Households; Vital Statistics & Health; Education; and, Economic Development. Included in this Introduction section is a series of infographics designed to highlight some of the key data found in each section.

Carroll County, Maryland



Work on the Data Handbook was undertaken by the Carroll County Bureau of Comprehensive Planning during the second half of 2024 and reflects the best available data at that time. A variety of data sources have been used to provide both County-level and regional and State-level information. Sources are listed beneath each chart or table for reference. Wherever possible, Carroll County's data points have been compared to those of neighboring counties in the central Maryland region, including Anne Arundel, Baltimore, Frederick, Howard, Montgomery, and Prince George's counties and Baltimore City. Additionally, some data includes comparisons with Queen Anne's County,

Maryland and Adams and York counties in Pennsylvania. These comparison data are added to contextualize the data for Carroll County, while recognizing that each of these localities is unique.

A Note About Population and Household Estimates and Projections:

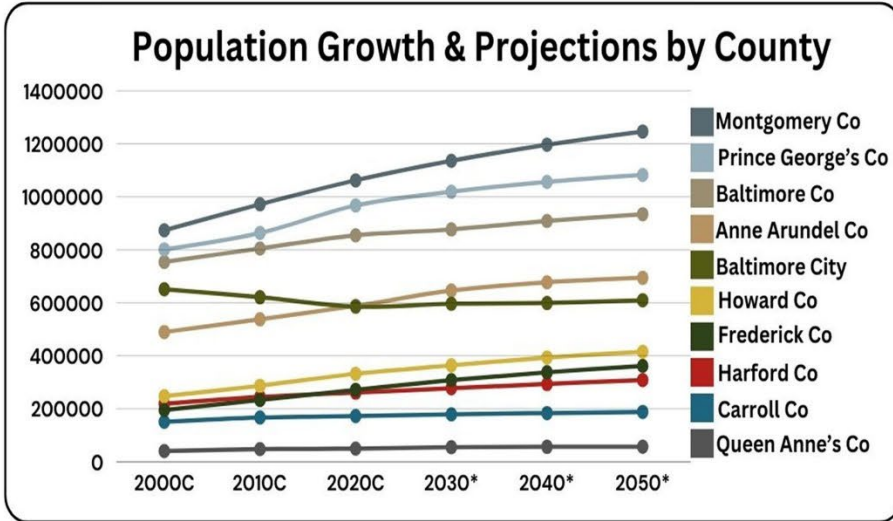
The benchmark for most population and household estimates is the most recent census, which occurs every ten years (decennial). The last decennial census was done in 2020.

Between the decennial census years, the new residential U & O permit data, along with occupancy rates and household size estimates, provide the basis for household and population estimates for Carroll County. Carroll County estimates monthly population from the growth in housing units based on new U&Os, occupancy rates (households = occupied housing units), household size and multipliers to account for unknown factors. This is the methodology that Carroll County uses with input from yearly estimates by the Maryland Department of Planning and the US Census's Population Estimates Program (PEP) estimates, which are based primarily on vital statistics and migration data. In addition, Carroll County uses vital statistics, migration data, land development projects, water and sewer constraints, current zoning, and future land use designations to make population and household projections for the future.

The US Census's American Community Survey (ACS) Estimates program provides estimates based on permit data, vital statistics, and migration data. These currently are provided as 1-year estimates and 5-year estimates. The 5-Year ACS estimates provide a pooled analysis of all data estimates collected over a 5-year time span such that the data is processed as a single dataset, while the 1-year estimates reflect a sampling of the data collected over a one-year time span. Although the 1-year ACS Estimates provide the most recent data available, the 'margin of error' rates are high because of the small sampling size. The 5-Year estimates are considered more accurate than the 1-year estimates since the 5-year sampling allows for a larger number of surveys and thus a more representative sampling of the population. Throughout the Data Handbook, ACS data are referenced similar to this: ACSDP5Y2022.



Population

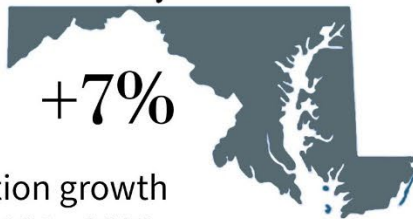


Though Carroll County has steadily grown, it remains the second lowest population in the region

Carroll County*



Maryland*

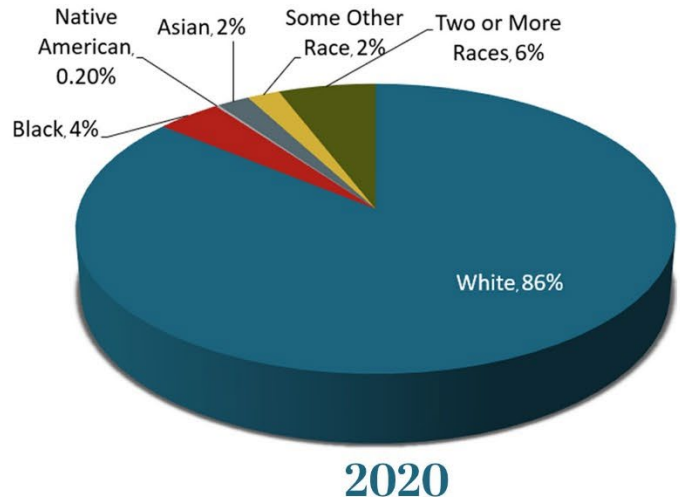
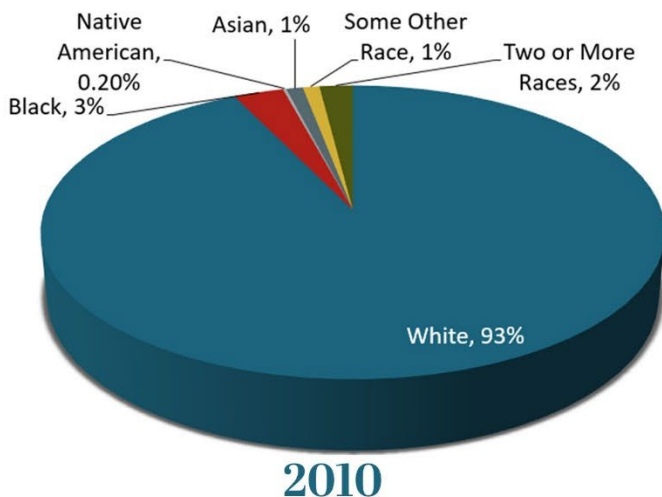


United States*



*Population growth from 2010 to 2020

Carroll County has grown more diverse from 2010 to 2020

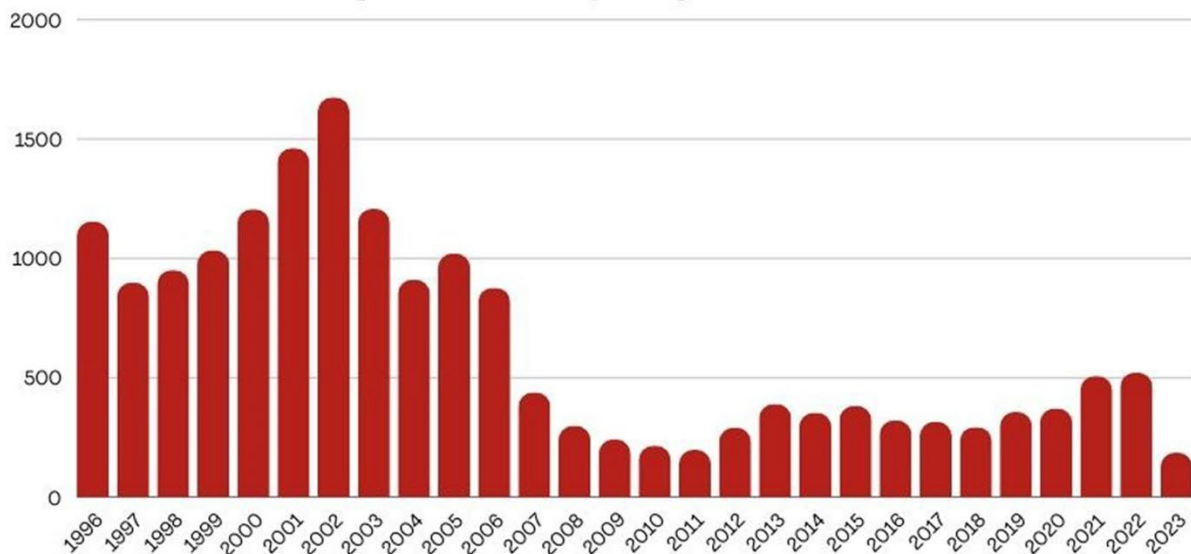




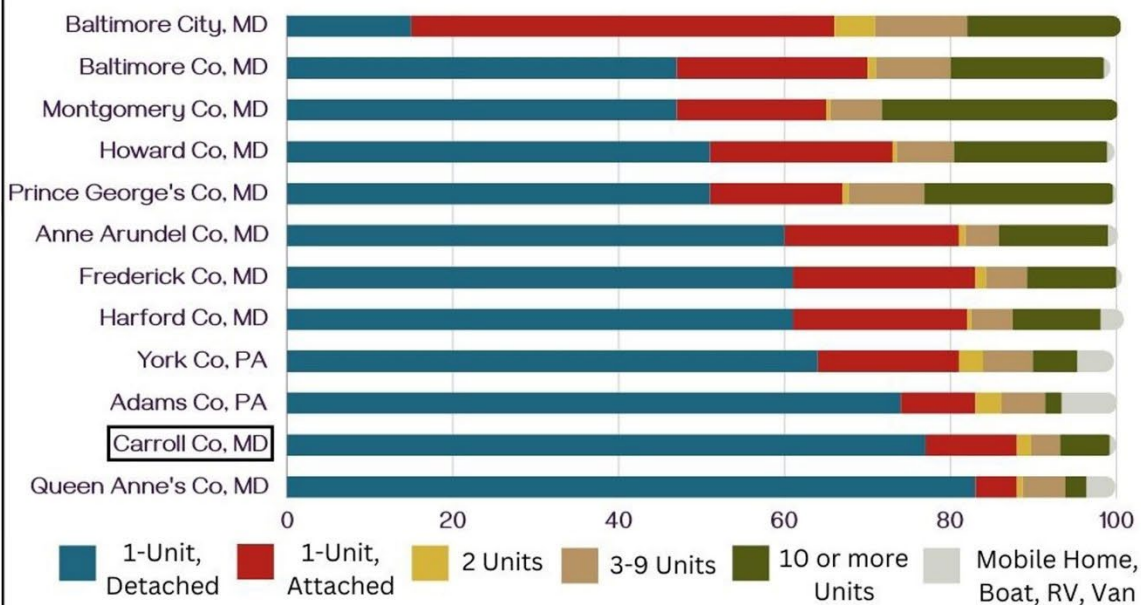
Households



Carroll County Use & Occupancy Permits (Residential)



Housing: Units in Structure by County (2022)

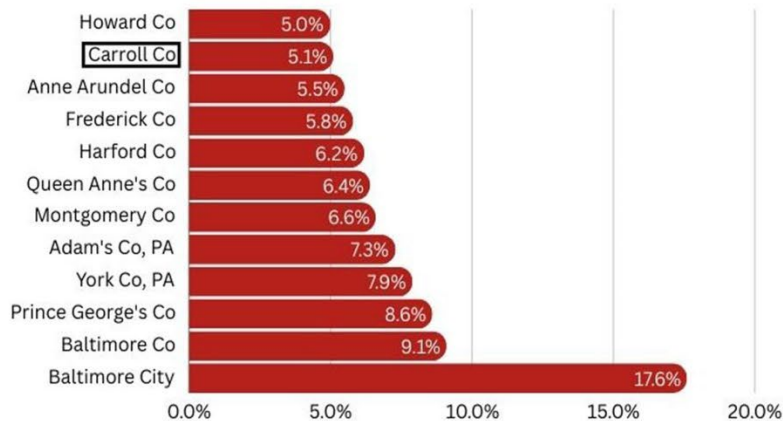




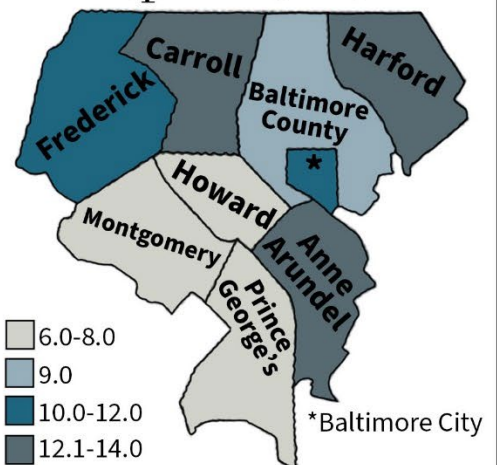
Vital Statistics & Health



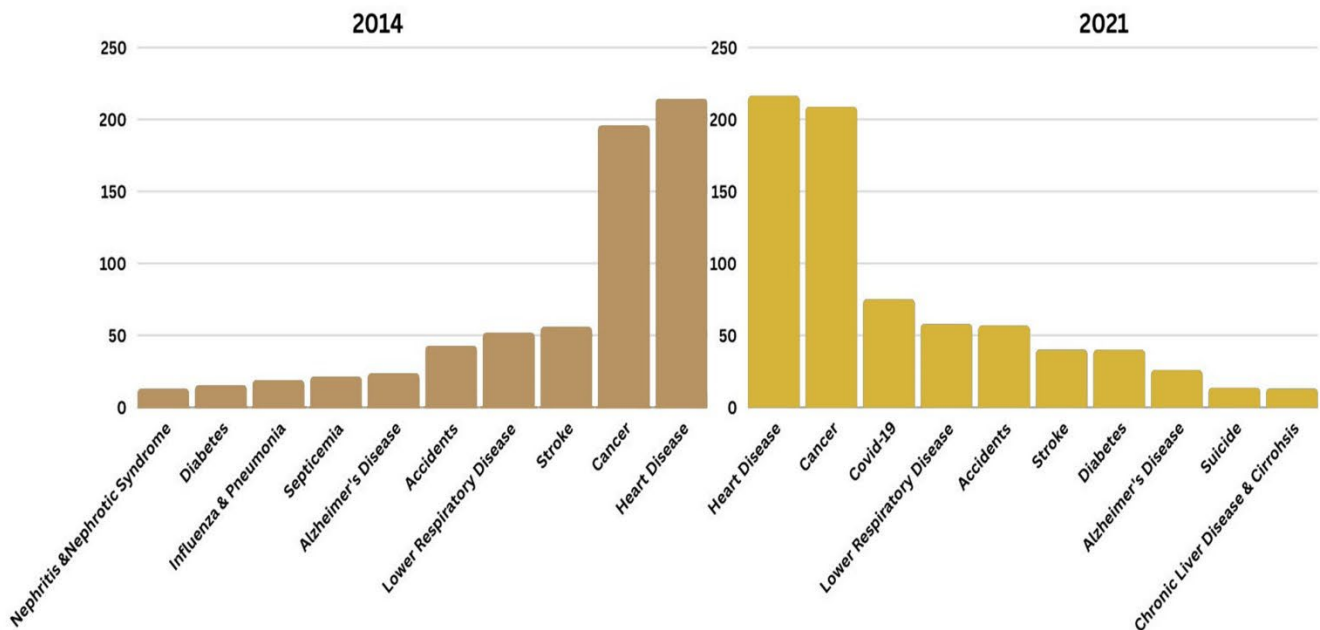
County Comparison: % Below Poverty (2022)



Death Rate for Deaths by Suicide (2021) (per 100,000)



Carroll County Top 10 Causes of Death (per 100,000)



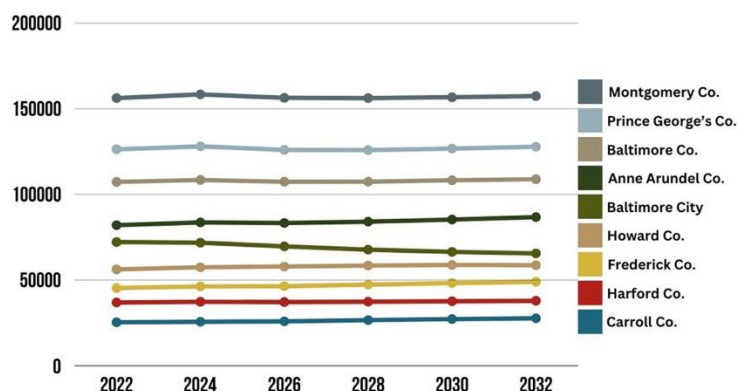


Education



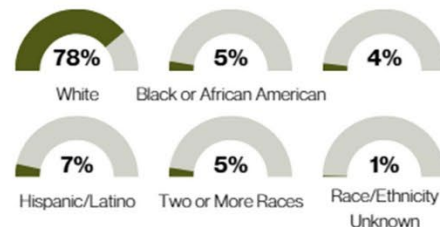
Carroll County K-12 School Enrollment is Projected to Increase by 9% from 2022 to 2023, but Remains the Lowest in the Region

Enrollment Projections by County: Grades K-12

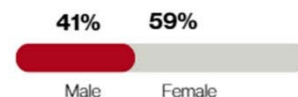


Carroll Community College

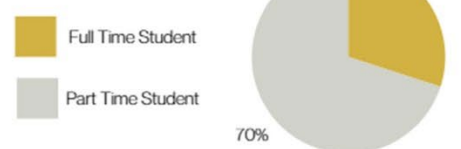
Student Race/Ethnicity



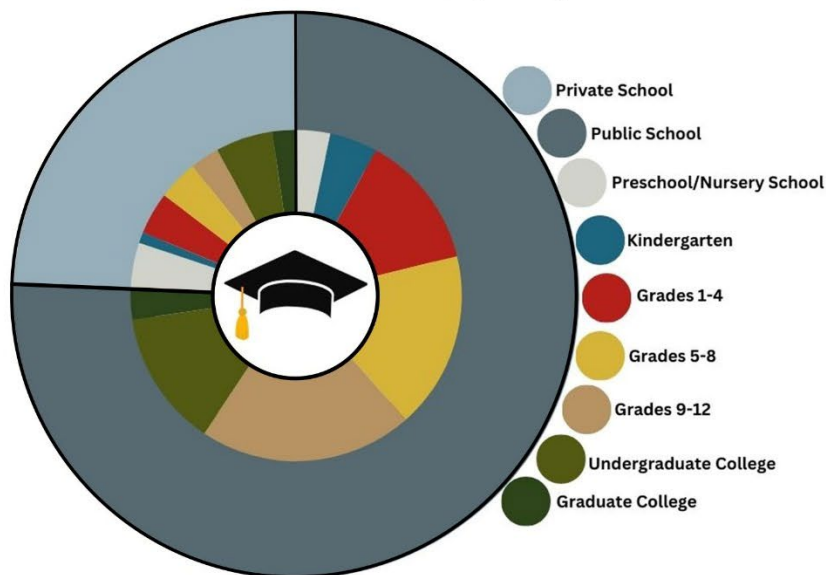
Student Gender



Attendance Status

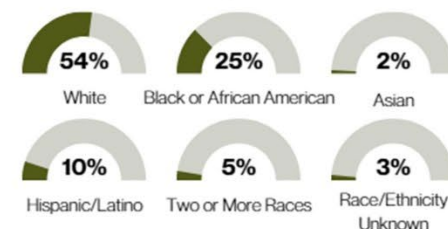


Carroll County School Enrollments: Public VS Private (2022)



McDaniel College

Student Race/Ethnicity



Student Gender



Attendance Status



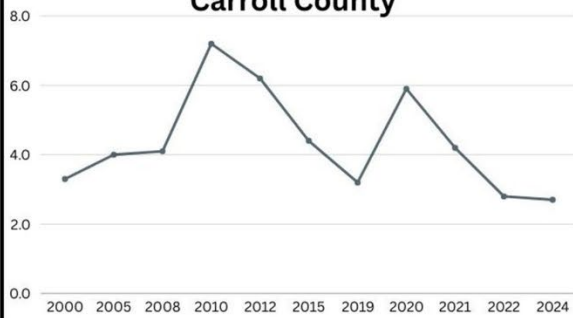


Economic Development

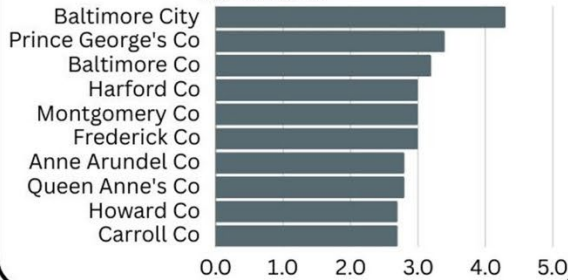


Unemployment Rate

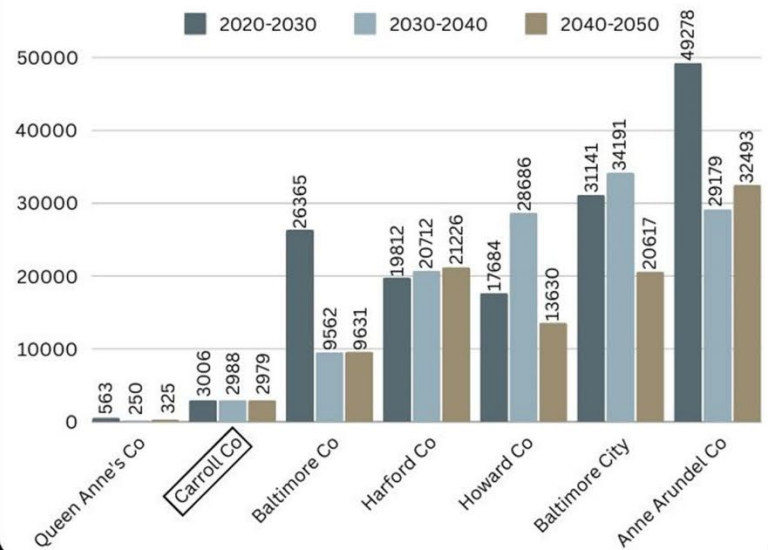
Carroll County



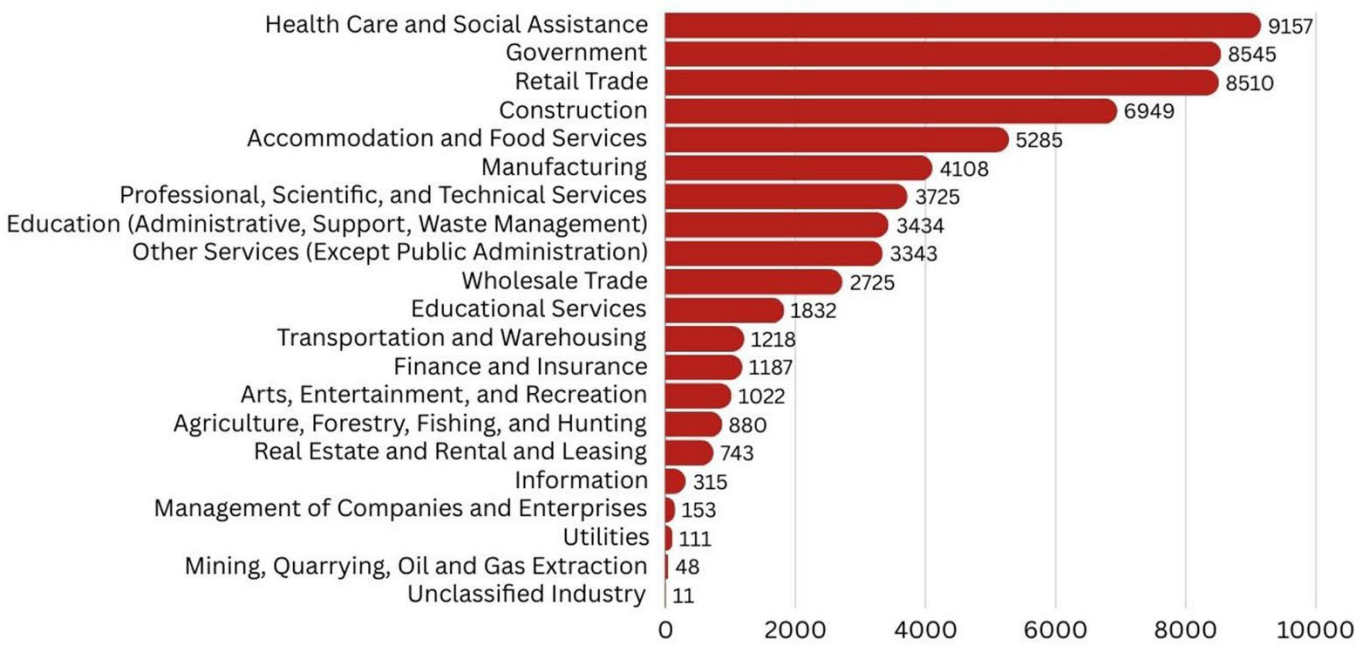
June 2024



Projected New Jobs by Decade



Carroll County Jobs by Industry (2021)



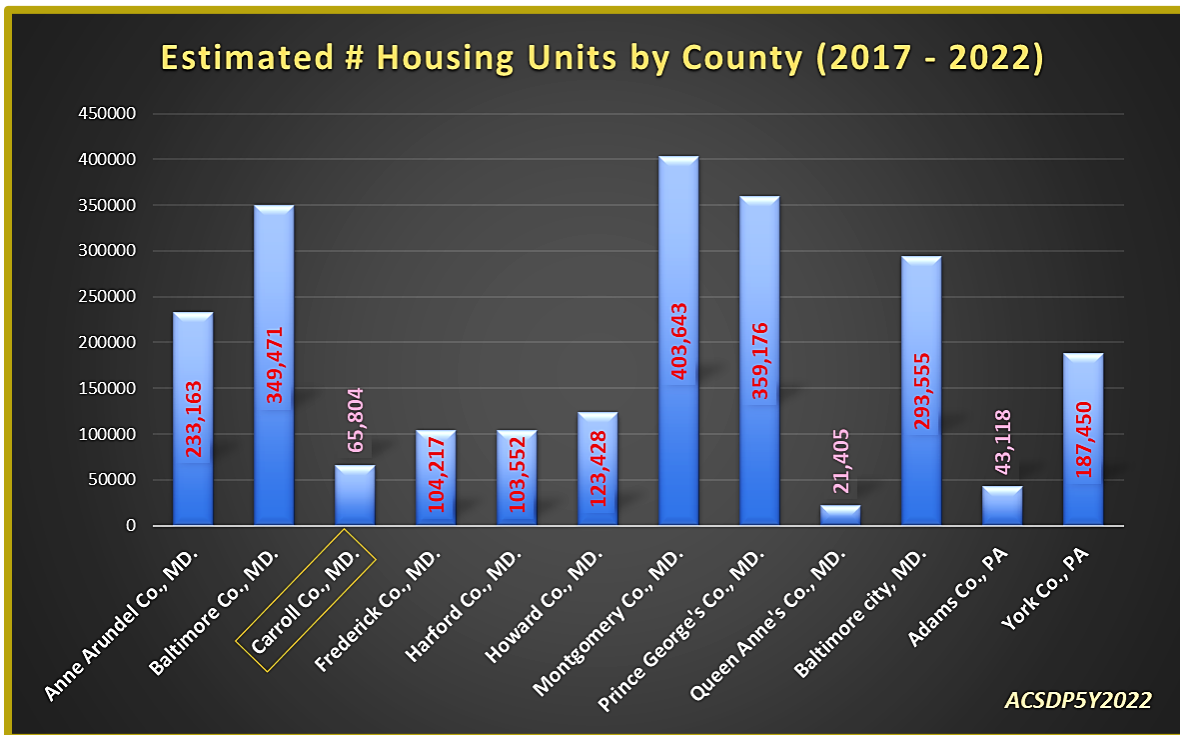
POPULATION & HOUSEHOLDS

Over the years 2010 to 2023, Carroll County has experienced a slow but steady growth in population and development activity. The population of Carroll County as of the 2020 Census was 172,891, which is a 3.4% increase in population over the 2010 Census count of 167,134. In comparison, Maryland’s population growth over the same period was 7%, while the overall growth in the US population was 7.35%. The most recent data from the US Census Bureau estimated the 2023 population for Carroll County at 176,639.

Households

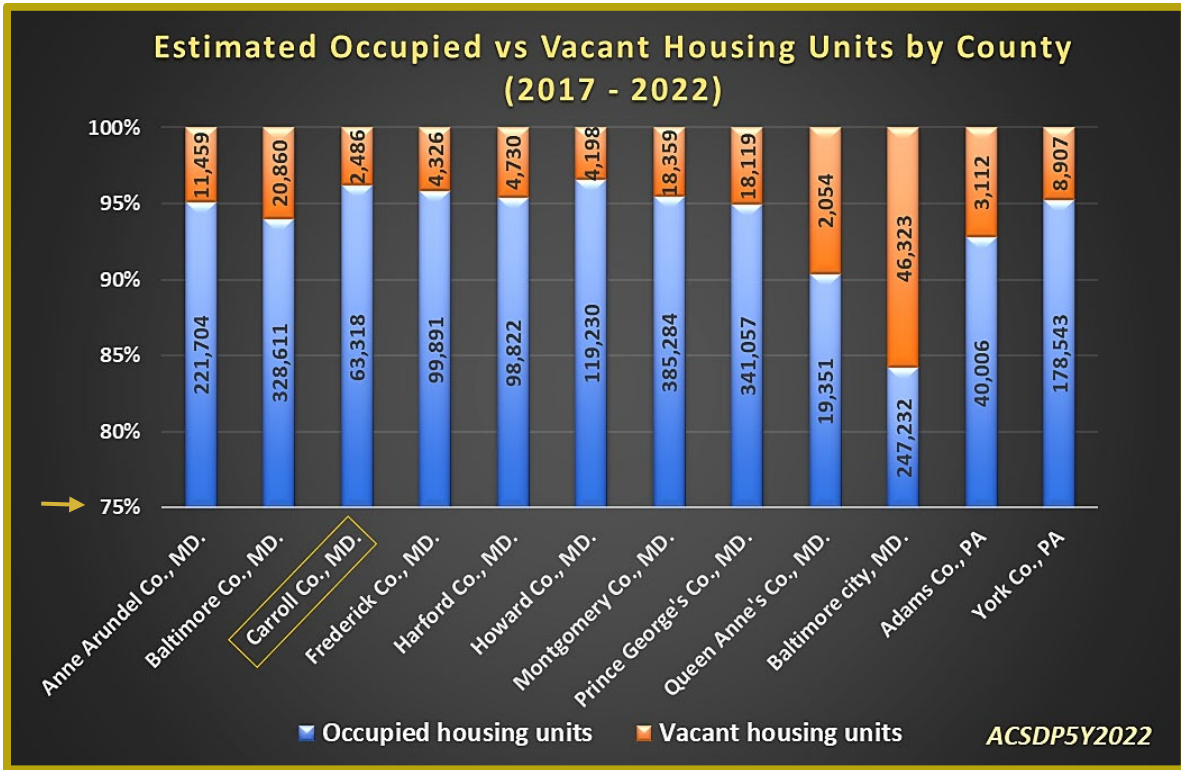
Carroll County has the second- lowest number of estimated housing units among the other Maryland counties in the region, with only Queen Anne’s County having fewer.

Chart 1: Estimated # Housing Units (ACSDP5Y2022 Estimates)



The County also has a comparatively low number and percentage of vacant housing when contrasted with the surrounding jurisdictions.

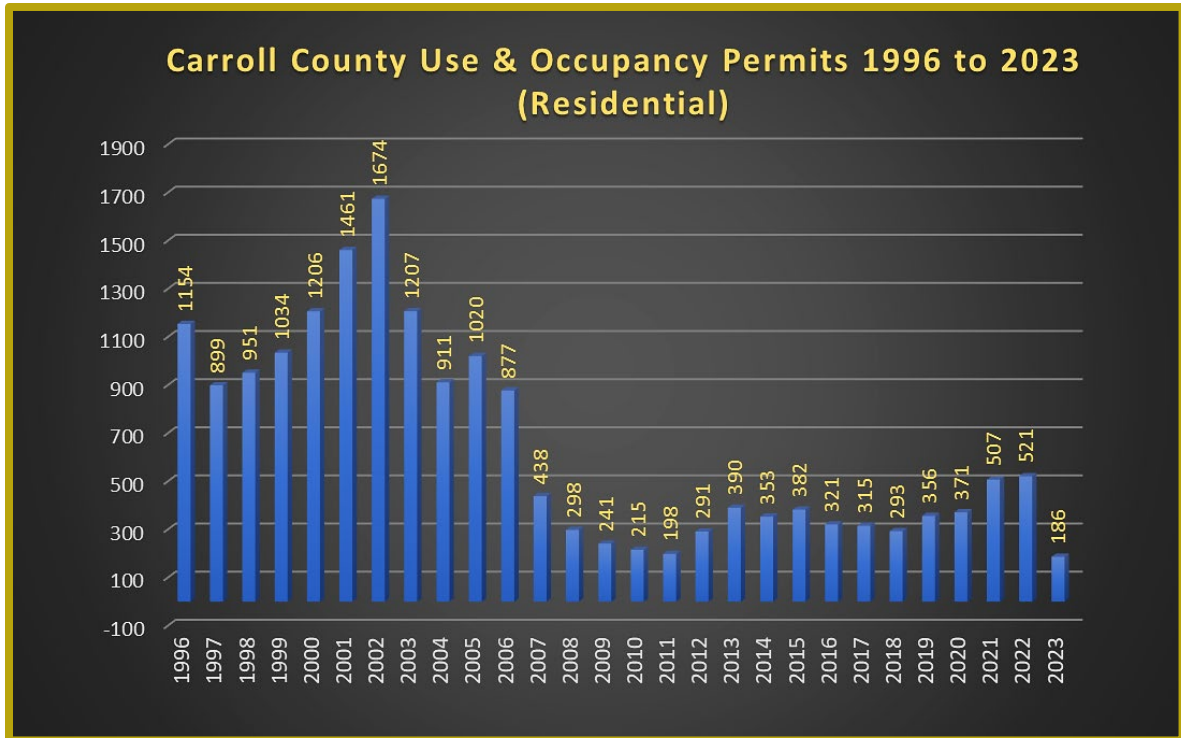
Chart 2: Estimated Occupancy Rate (ACSDP5Y2022 Estimates)



Charts 1&2 Prepared by Carroll County Bureau of Comprehensive Planning based on ACSDP5Y2022 Estimate

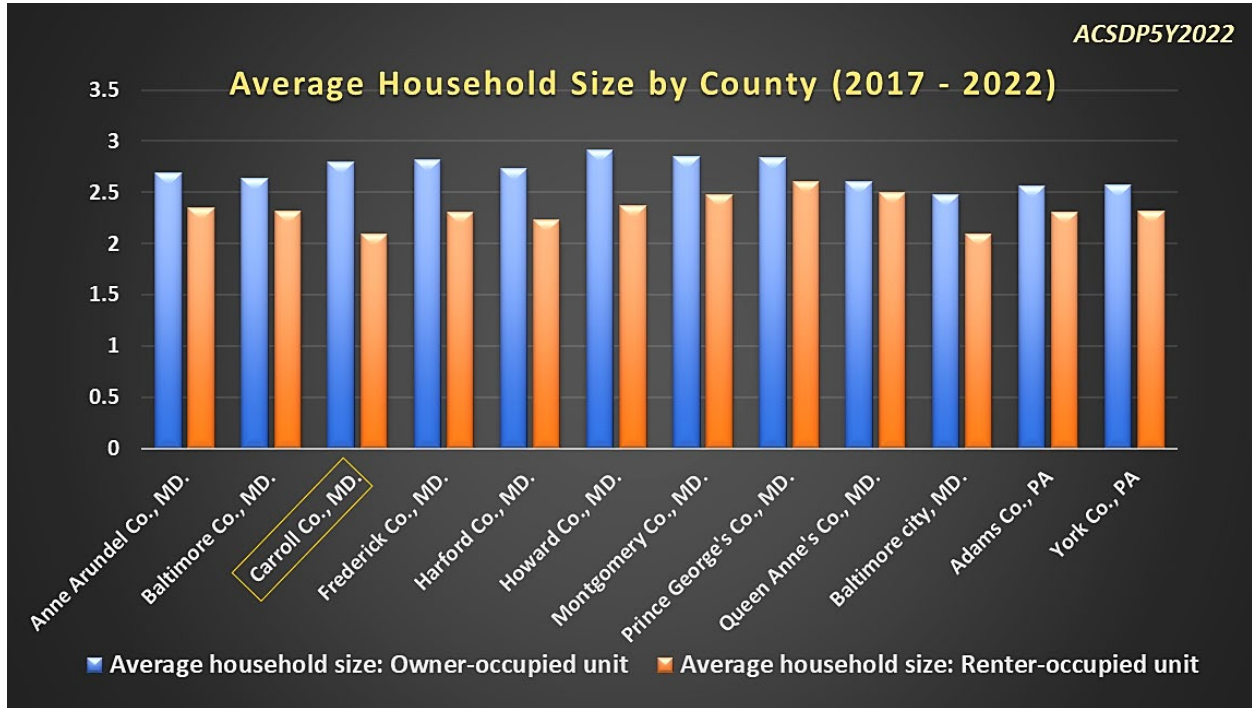
A key factor in estimating current and future growth in housing units, households, and population, is an analysis of new Use & Occupancy (U & O) permits.

Chart 3: Carroll County Growth by Residential U&O's: Historic to Current



Carroll County Bureau of Comprehensive Planning; Carroll County Technology Services

Chart 4: Average Household Size Estimates (ACSDP5Y2022 Estimates)



For decades, projections have assumed that household size would continue to shrink, and indeed Census data have proven this assumption true. However, the 2020 Census data showed that household size actually was slightly higher than what the historical projection for 2020 household size had been predicting. This could signal a shift in the trend, and the reasons for it are varied. Young adults are tending to reside for a longer length of time at their parents’ homes due to the economic benefits of sharing a home. This trend is expected to continue as housing costs rise, including the costs to rent or own a home. In addition, there is a corresponding trend for unrelated young adults to share a residence due to the high cost to rent and/or own a home. As the population is becoming more racially and ethnically diverse, there also has been an increase in larger multi-generational households, as Latino and Asian populations are more likely to reside in multi-generational households. Likewise, the increased cost of long-term facilities for the elderly could possibly contribute to an increase in the number of elderly parents moving in with their children as it may be more financially feasible even with some assistance from hired in-home care providers. These factors all contribute to an increase in household size over what previously had been anticipated, and that trend is expected to continue in future years. As a result, Carroll County’s current projections (“round 10 projections”) reflect higher household sizes what previously had been projected. Though household size still is projected to decrease, it may not decrease as much as previously anticipated.

Table 1 : Carroll County Historical Household Size Projections vs Round 10 Projections

| Historical Household Size & Household Size Projections | | | | | | | | | | | |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Census | Census | Census | Census | Census | | | | | | | |
| <u>1970</u> | <u>1980</u> | <u>1990</u> | <u>2000</u> | <u>2010</u> | <u>2015</u> | <u>2020</u> | <u>2025</u> | <u>2030</u> | <u>2035</u> | <u>2040</u> | <u>2045</u> |
| 3.26 | 3.02 | 2.85 | 2.81 | 2.74 | 2.73 | 2.65 | 2.6 | 2.58 | 2.58 | 2.58 | 2.57 |

US Census 1970 – 2010; Maryland Department of Planning, Planning Data Services, December 2020

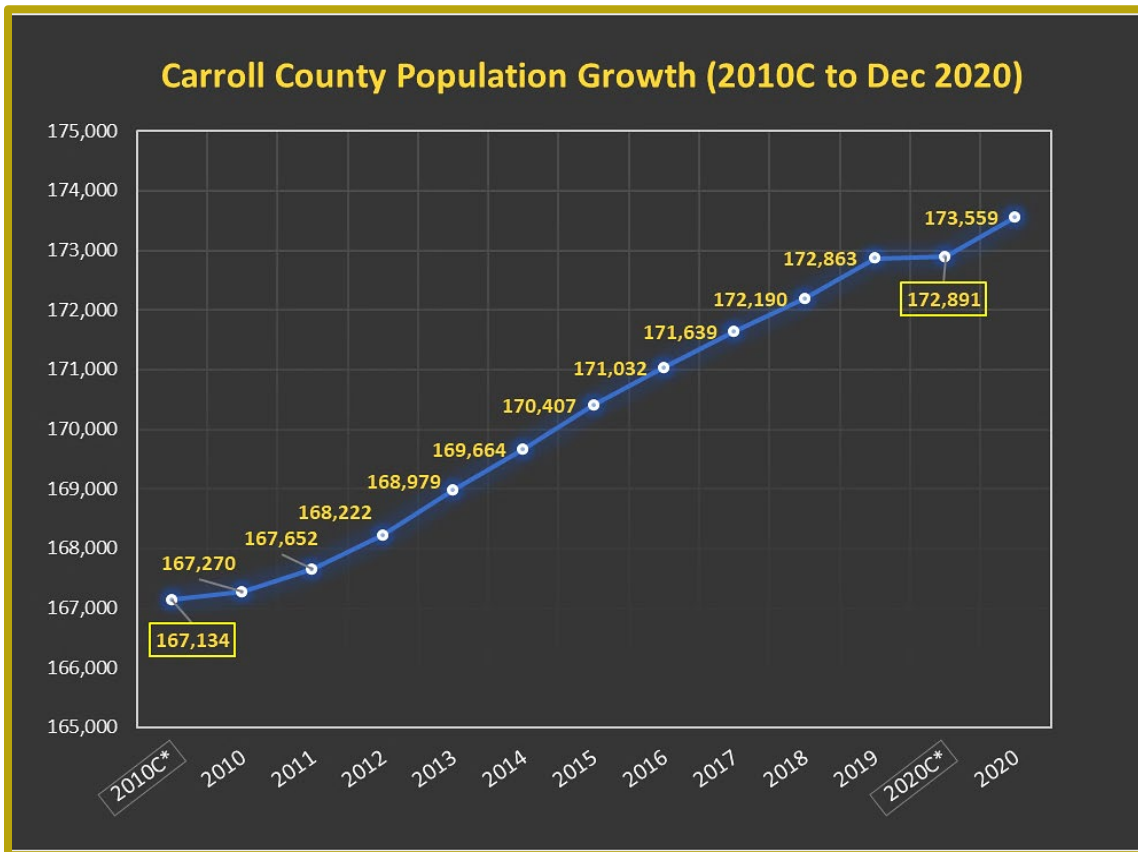
| Carroll County Round 10 Household Size Projections | | | | | | |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| <u>2020C</u> | <u>2025</u> | <u>2030</u> | <u>2035</u> | <u>2040</u> | <u>2045</u> | <u>2050</u> |
| 2.68 | 2.68 | 2.67 | 2.66 | 2.65 | 2.65 | 2.64 |

2020C - US Census 2020; Carroll County Bureau of Planning Round 10 Projections (2022); BMC/Cooperative Forecasting Group

Population

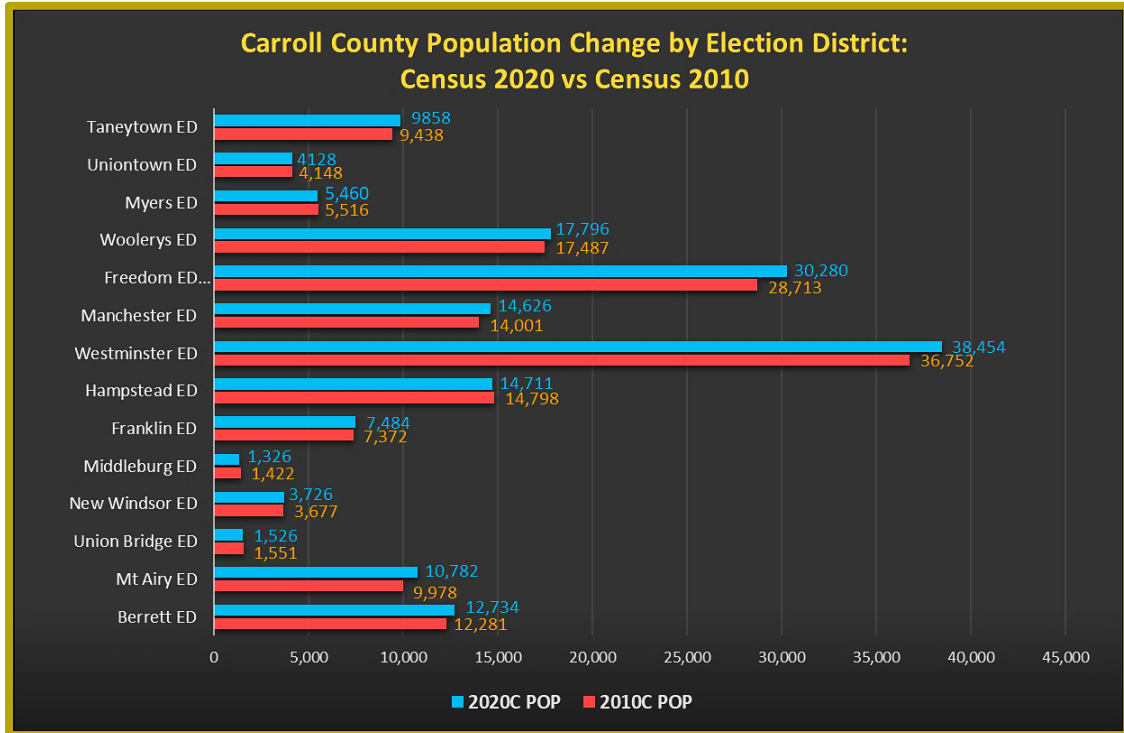
As shown in the graph below, Carroll’s population grew steadily between the 2010 and 2020 Censuses, from 167,134 to 172,891. The largest increases in population were seen in the Mount Airy (8.1%), Freedom (5.4%), Westminster (4.6%), and Taneytown (4.5%) election districts. In comparison to surrounding jurisdictions, Carroll’s growth has been moderate, with most of the surrounding Maryland counties experiencing more growth. Only the City of Baltimore lost population during the ten-year time period. However, between 2020 and 2023, Baltimore, Montgomery, and Prince George’s counties all also experienced a reduction in population, according to the ACS estimates. Neighboring Frederick County continued to see significant population growth (charts 8 & 9).

Chart 5: Carroll County Population Growth (2010C to Dec 2020)



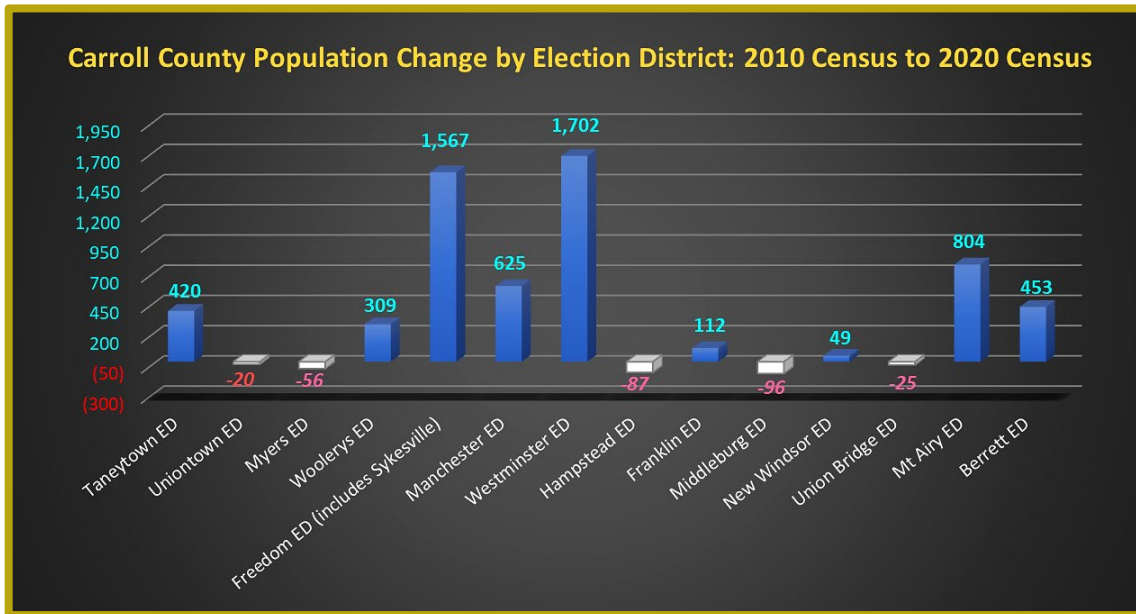
Prepared by the Carroll County Bureau of Comprehensive Planning: *Apart from 2010C (census) and 2020C (census), the figures between years 2010C and 2020 DEC are revised yearly estimates based on U&O data, 2020 occupancy rates, 2020 household size and a multiplier to bring the estimates in line with the 2020C figure.

Chart 6: Population Growth by Election District (2020 Census to 2010 Census)



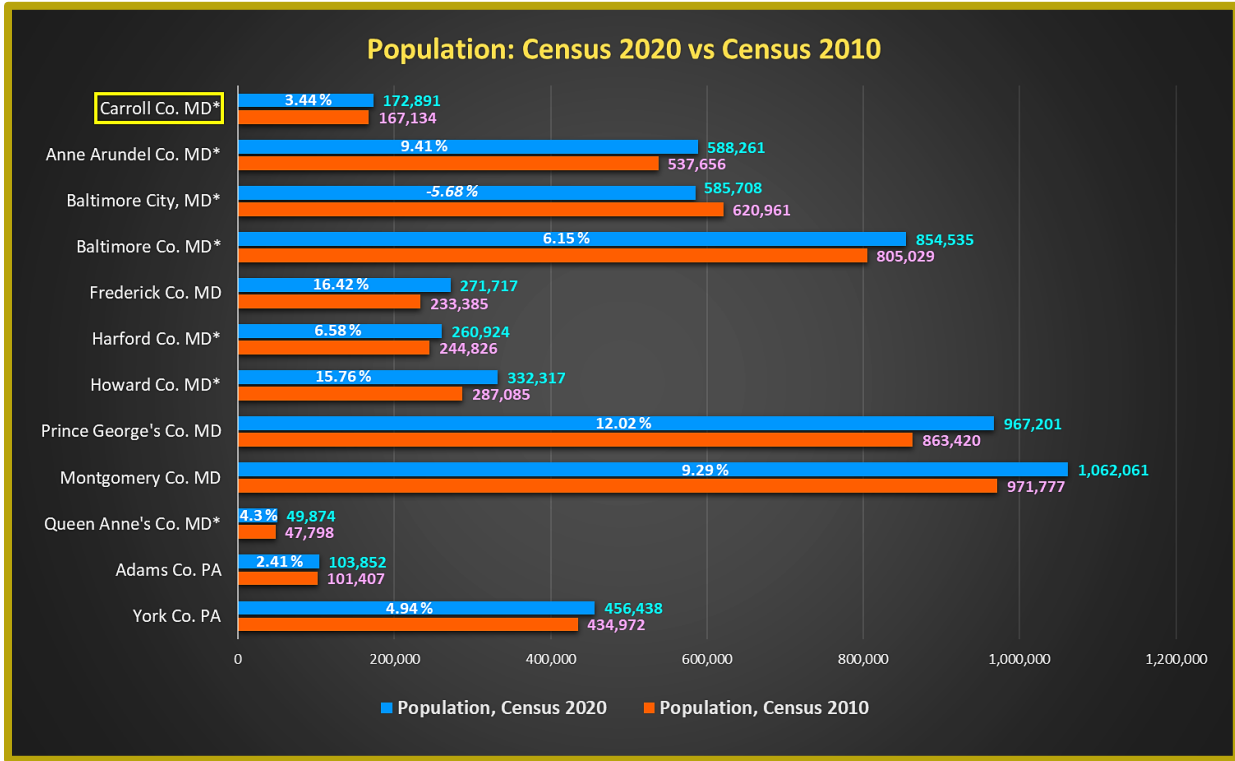
Prepared by the Carroll County Bureau of Comprehensive Planning based on US Census 2020 Counts

Chart 7: Population Change by Election District (2010 Census to 2020 Census)



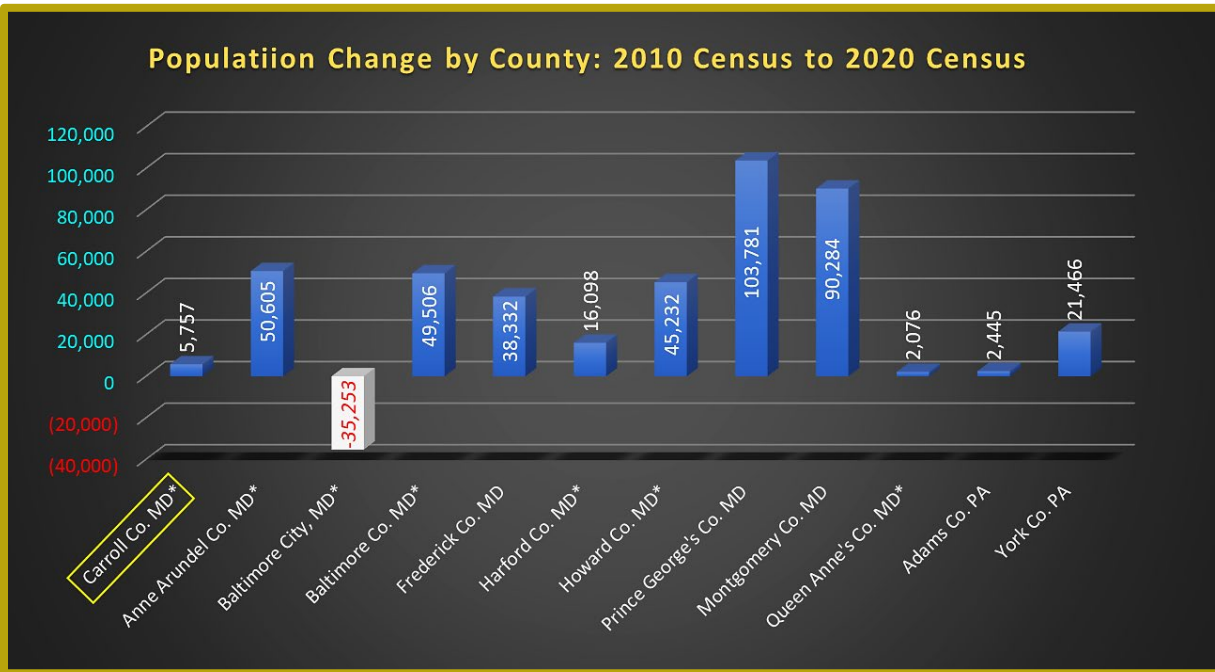
Prepared by the Carroll County Bureau of Comprehensive Planning based on US Census 2020 Counts

Chart 8: Population by County (2010 Census to 2020 Census)



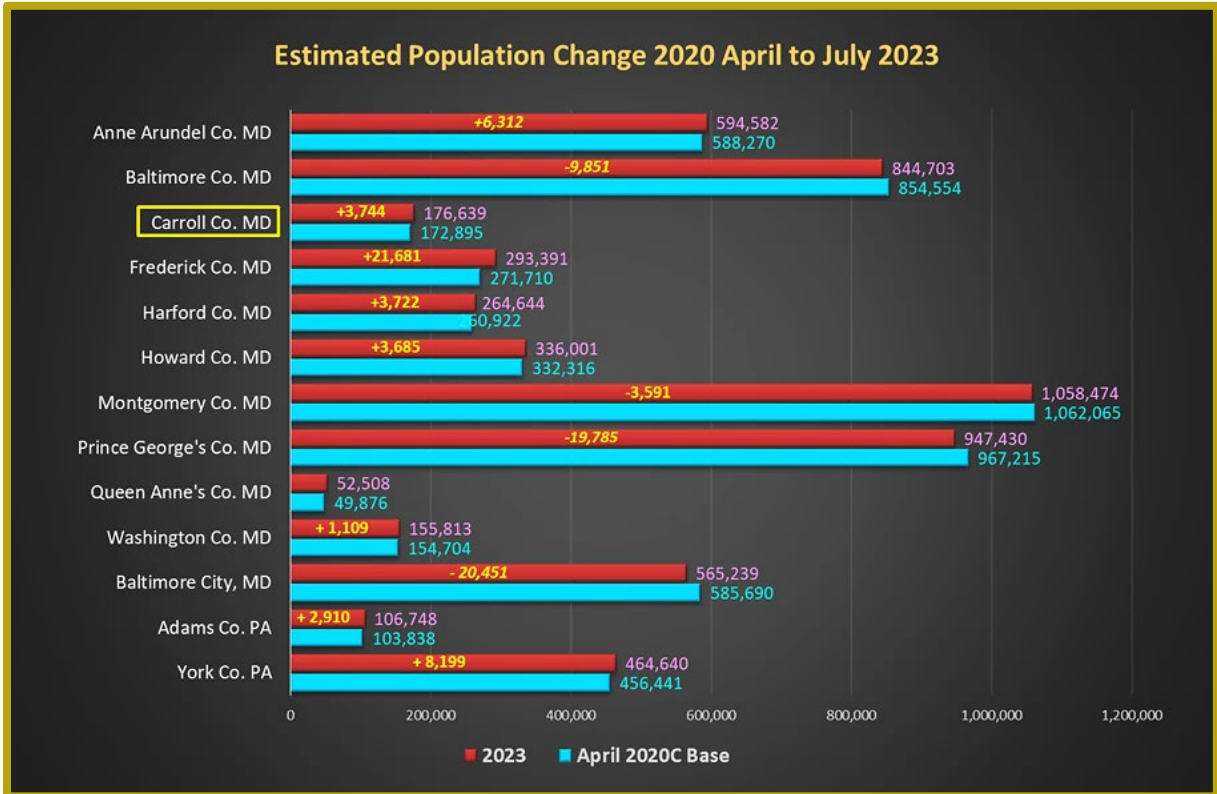
Prepared by the Carroll County Bureau of Comprehensive Planning based on US Census 2020 Counts

Chart 9: Population Change by County (2010 Census to 2020 Census)



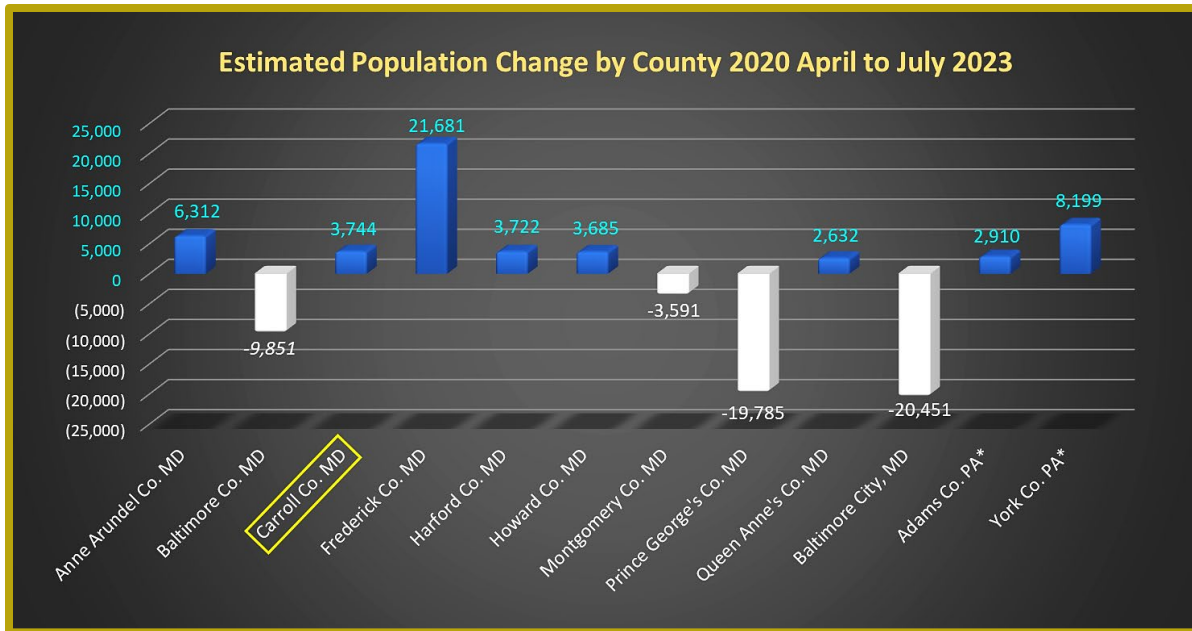
Prepared by the Carroll County Bureau of Comprehensive Planning based on US Census 2020 Counts

Chart 10: Current Population Estimates by County – 2020 to 2023



Prepared by the Carroll County Bureau of Comprehensive Planned based on U.S. Census Bureau, Population Division: Annual Estimates of the Resident Population for Counties in (MD, PA), April 1, 2020, to July 1, 2023 (CO-EST2023-POP-24)

Chart 11: Estimated Population Change by County (2020 Census to July 2023)

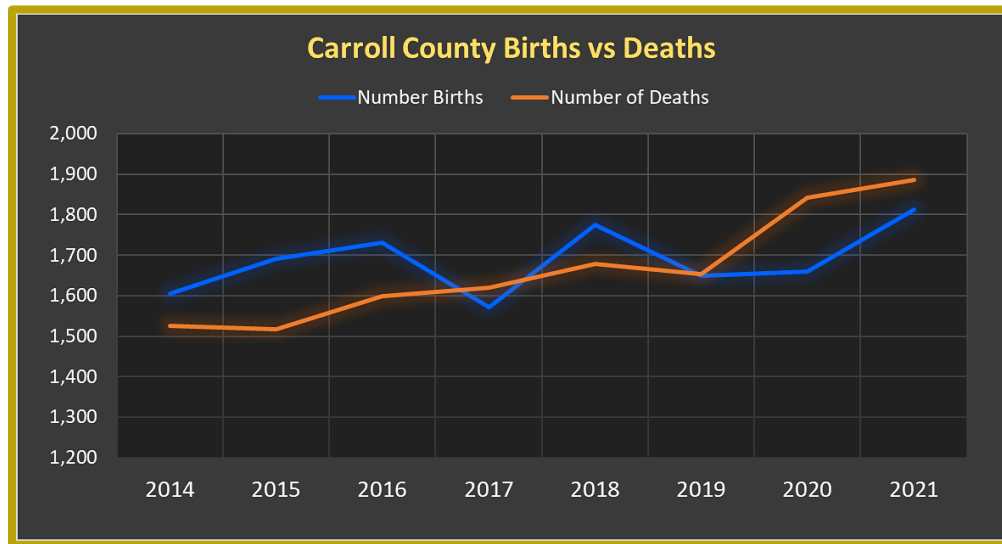


Prepared by the Carroll County Bureau of Comprehensive Planned based on U.S. Census Bureau, Population Division: Annual Estimates of the Resident Population for Counties in (MD, PA), April 1, 2020 to July 1, 2023 (CO-EST2023-POP-24)

Components of Population Change

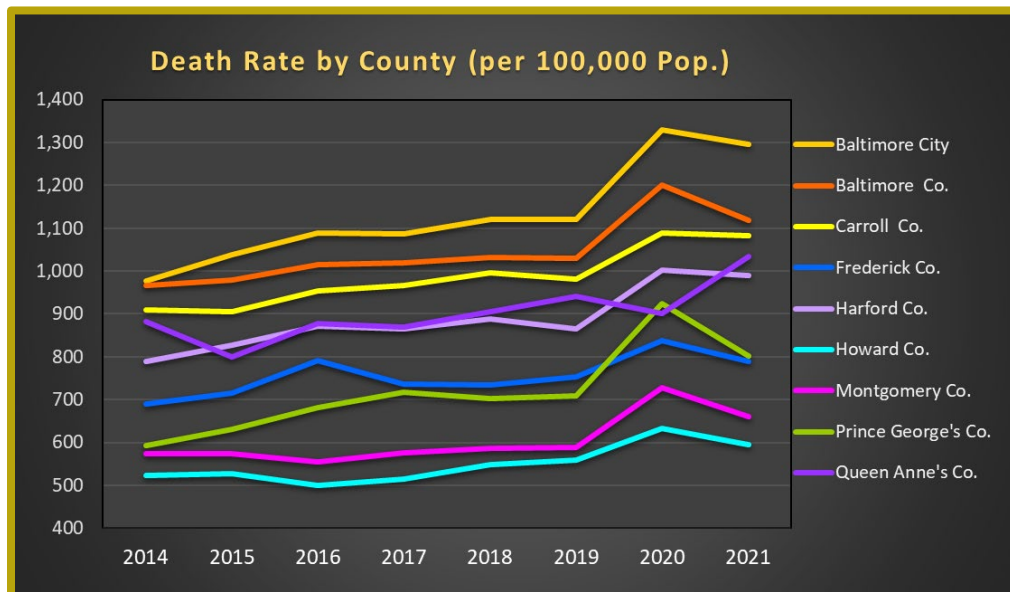
Historical trends of vital statistics were reviewed, and for the most part, births and deaths in Carroll County have been almost equal from 2010 to 2020; slightly favoring births. Thus, population growth due to natural change (births vs deaths) between those years has been low. However, since the pandemic, deaths from years 2020 to 2023 have been slightly higher than births, possibly because of Covid- related illnesses.

Chart 12: Natural Change: Births versus Deaths: 2014 to 2021



Maryland Vital Statistics Administration: 2014 to 2021 Annual Reports

Chart 13: Death Rate by County 2014 to 2021



Maryland Vital Statistics Administration: 2014 to 2021 Annual Reports

Most of the population growth in Carroll County has been the result of domestic migration to Carroll County, mostly from counties across Maryland and the US, including Baltimore County (net: 26%), Howard County (net: 16%) and Baltimore City (net: 11%). While Carroll County also incurs a loss in population to other counties in Maryland and across the US, including losses to Frederick, York and Adams counties, the net migration to Carroll County is greater than the net loss in most of the years from the 2010 Census to the 2020 Census.

Chart 14: Estimated Migration – Net flows, In-flows, and Outflows (ACS 2016 – 2020)

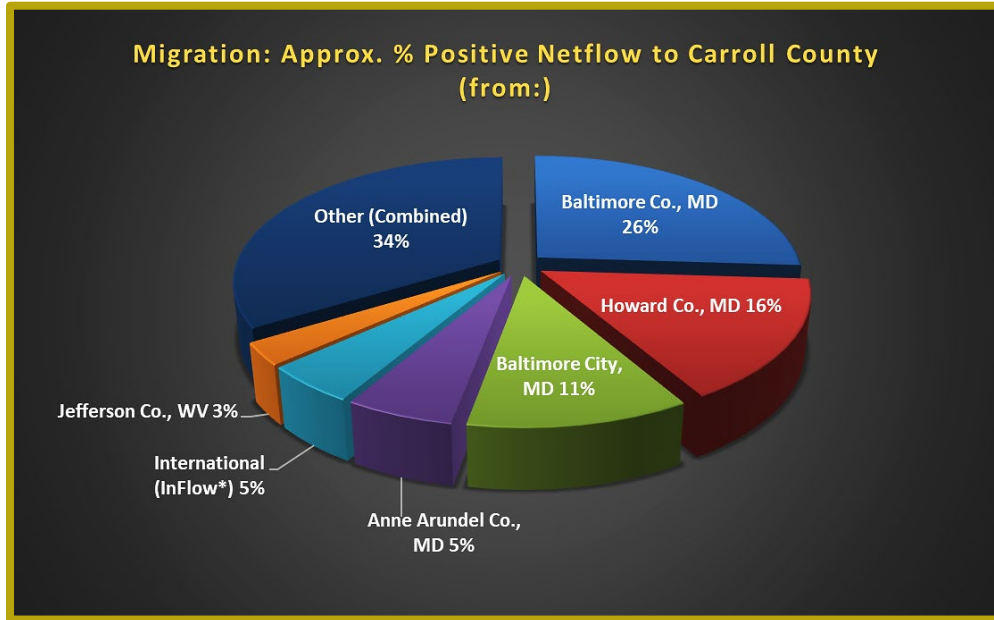
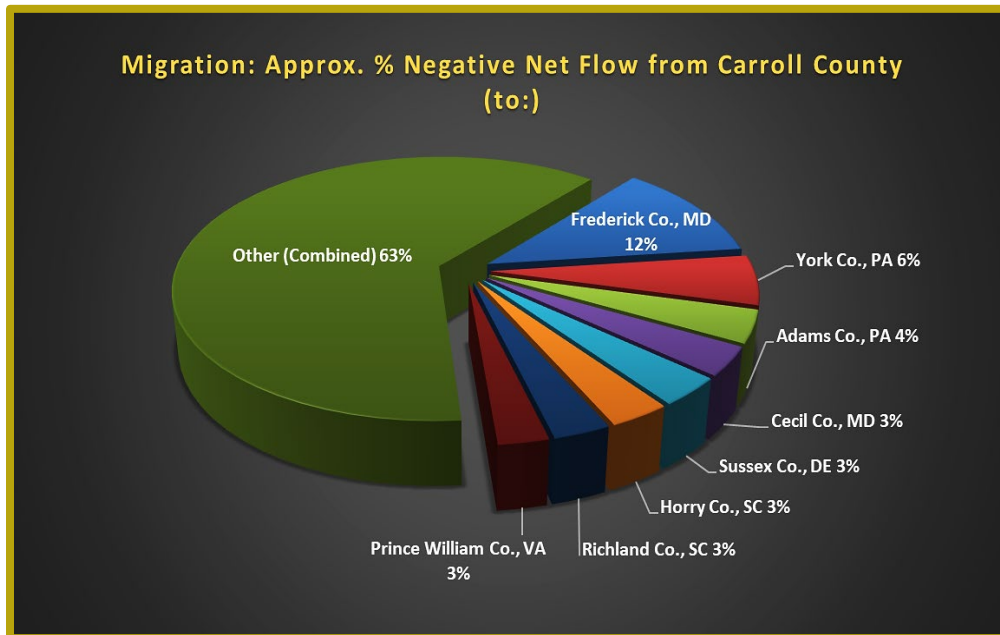


Chart 15: Estimated Migration – Net flows, In-flows, and Outflows (ACS 2016 – 2020)

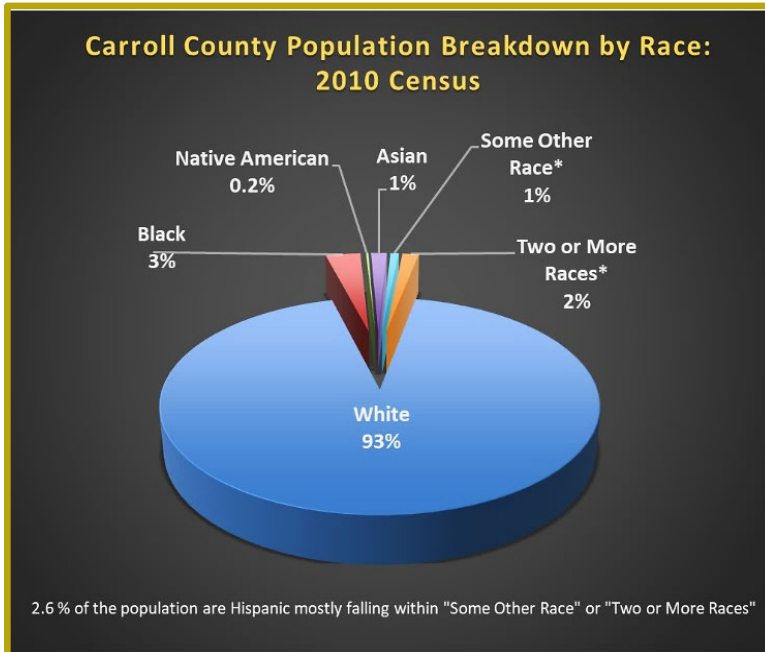
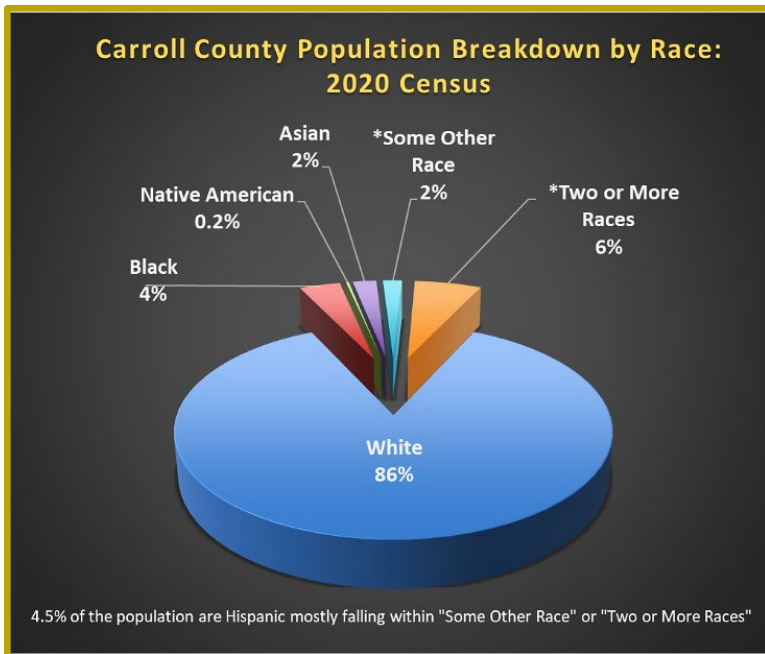


Prepared by the Carroll County Bureau of Comprehensive Planned based on U.S. Census Bureau, 2016-2020 American Community Survey, 5-year estimates. For more information, see <https://census.gov/acs>.

Population Distributions (2024)

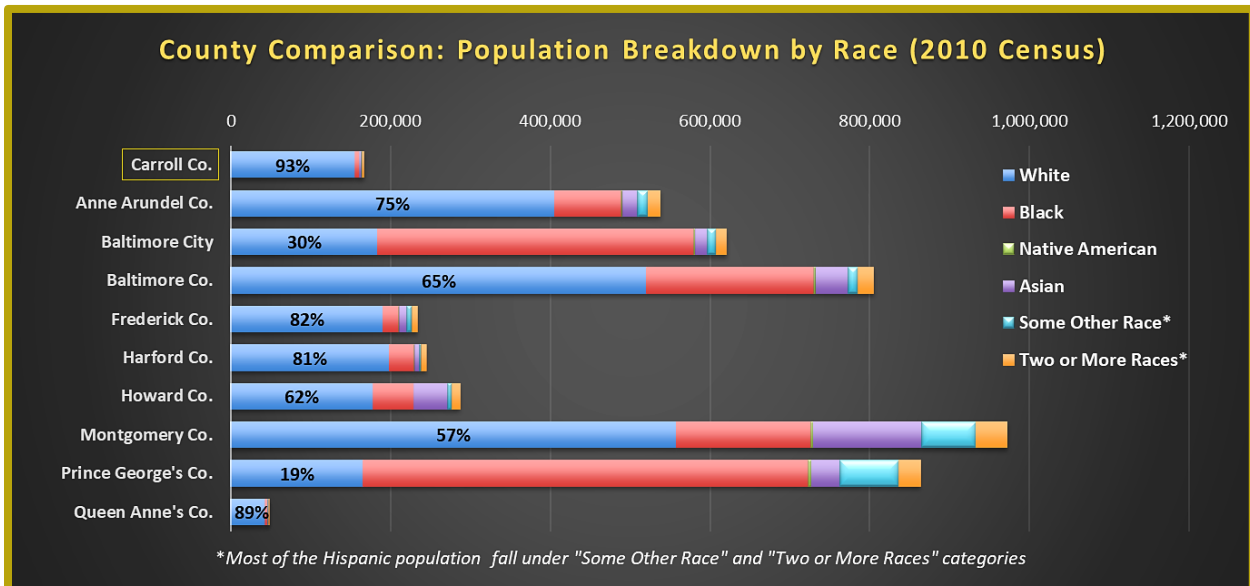
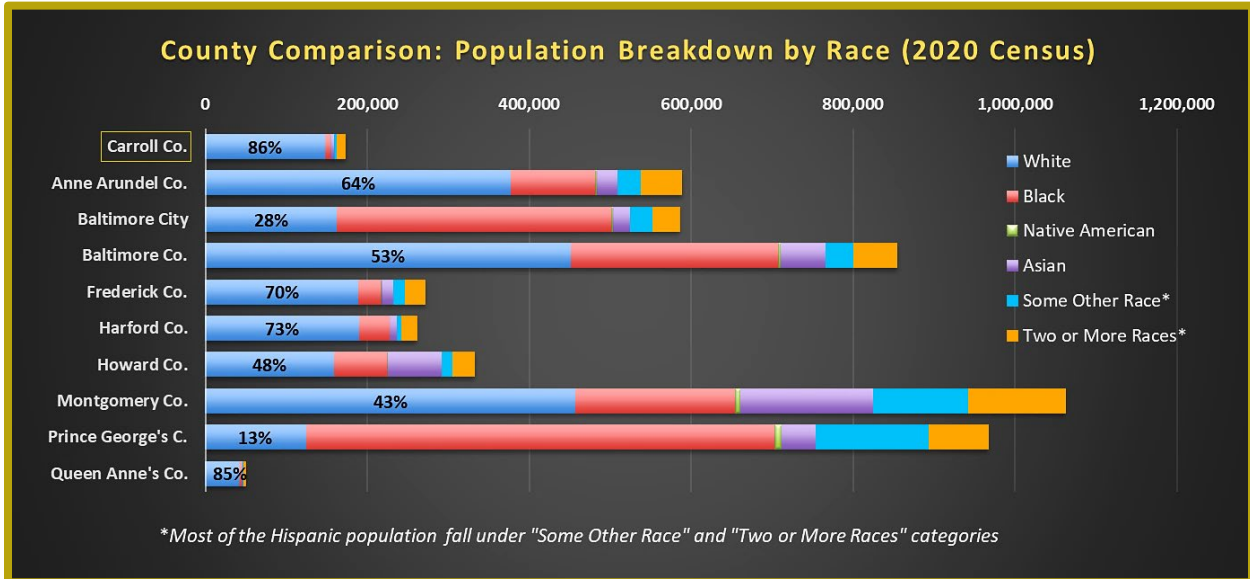
While Carroll County is much less diverse than its neighboring counties, when examining the change in population from the 2010 Census to the 2020 Census, the added population (5,757) was diverse and slightly increased the overall diversity of Carroll County. Most of the change reflected an increase in the percentage of persons identifying themselves as “2 or more races” (multi-racial).

Chart 16: Population by Race: Census 2020 vs Census 2010



Based on Census 2020 and Census 2010 Counts.

Chart 17: County Comparison: Population by Race: Census 2020 vs Census 2010



Based on Census 2020 and Census 2010 Counts.

Over the years from the 2010 Census to the 2020 Census, Carroll County's population has been gradually aging, as more individuals of the Baby Boomer generation (1946 – 1964) enter retirement age. Carroll's median age is higher than all the surrounding Maryland jurisdictions, with the exception of Queen Anne's County. Although there was no significant change in the estimated median age for Carroll County from 2014 to 2022, the estimated old age dependency ratio increased from 22.8 (ACSST5Y2014) to 28.5 (ACSST5Y2022). This ratio represents the ratio of people older than 64 to the working-age population (ages 15-64). In comparison to other nearby counties, Carroll has the third-highest rate, with only Baltimore and Queen Anne's Counties slightly higher (see Chart 21).

Chart 18: Population By Age: Census 2020 vs Census 2010

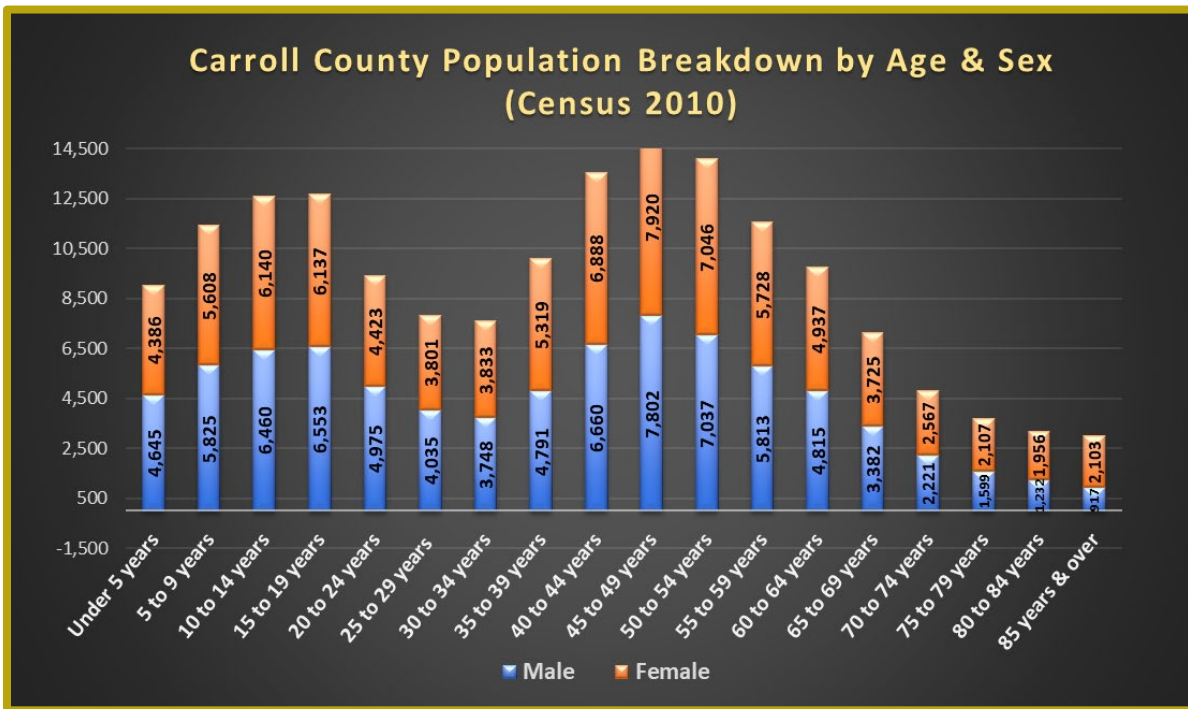
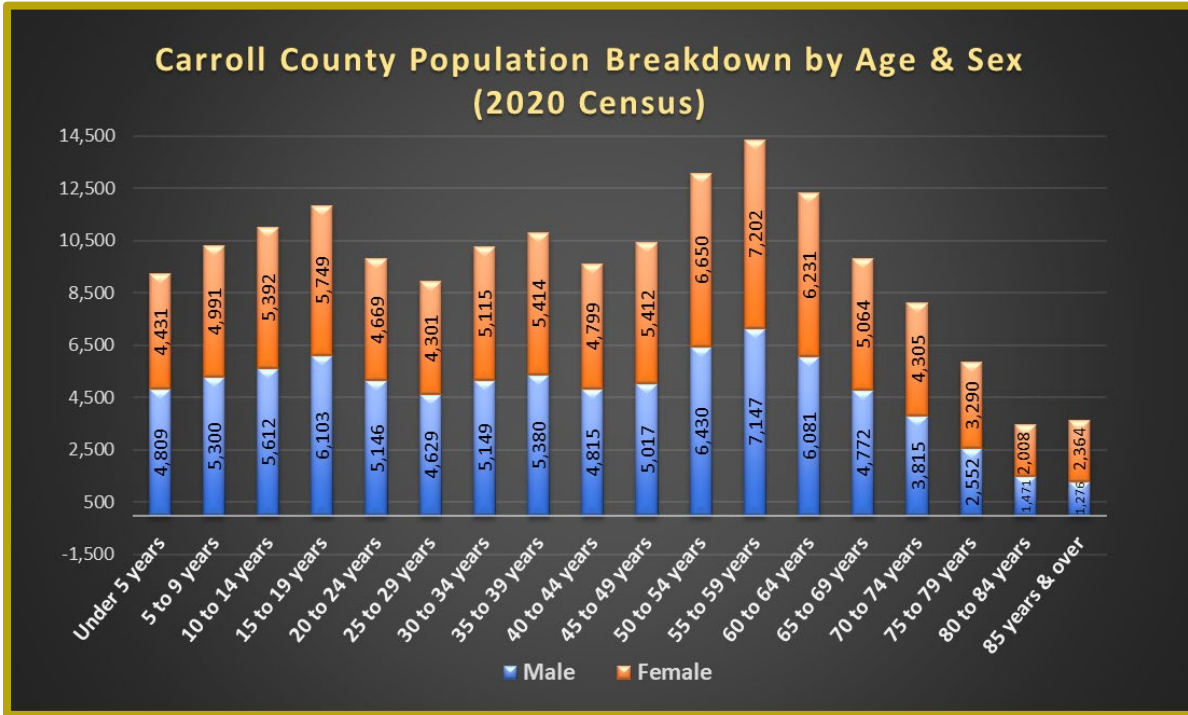
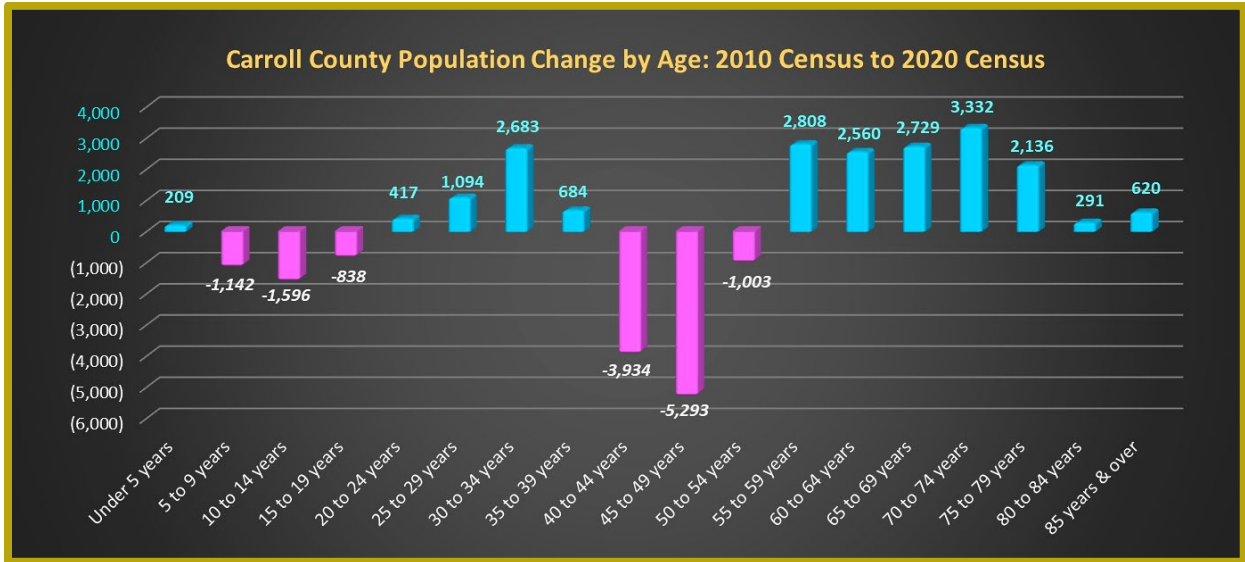


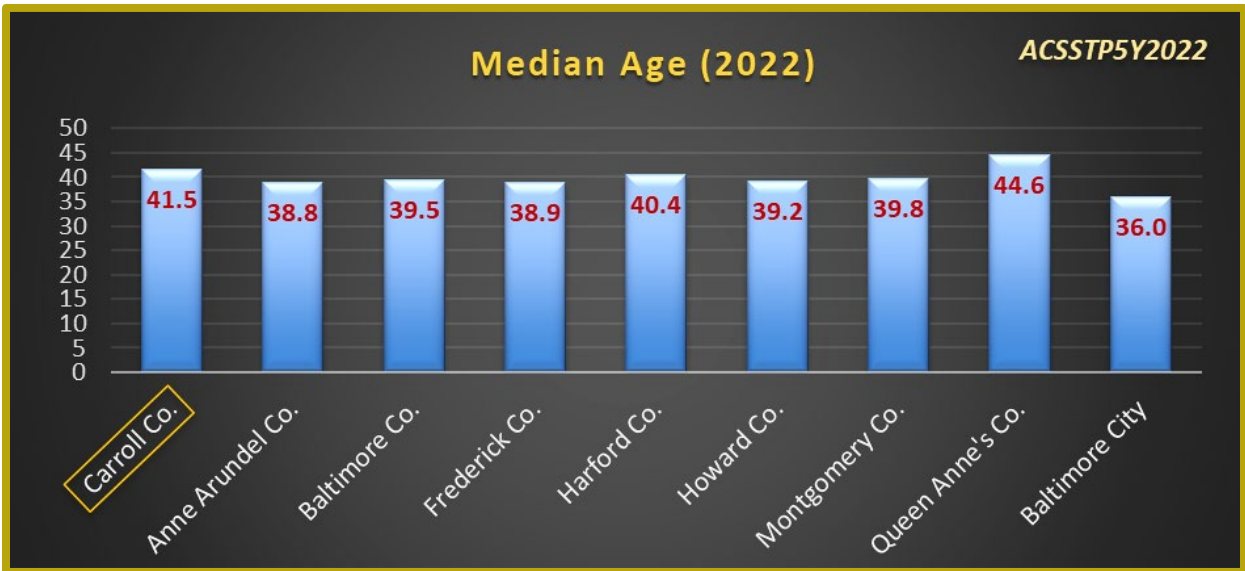
Chart 18 based on Census 2020 and Census 2010 Counts.

Chart 19: Population Change by Age: Census 2010 to Census 2020



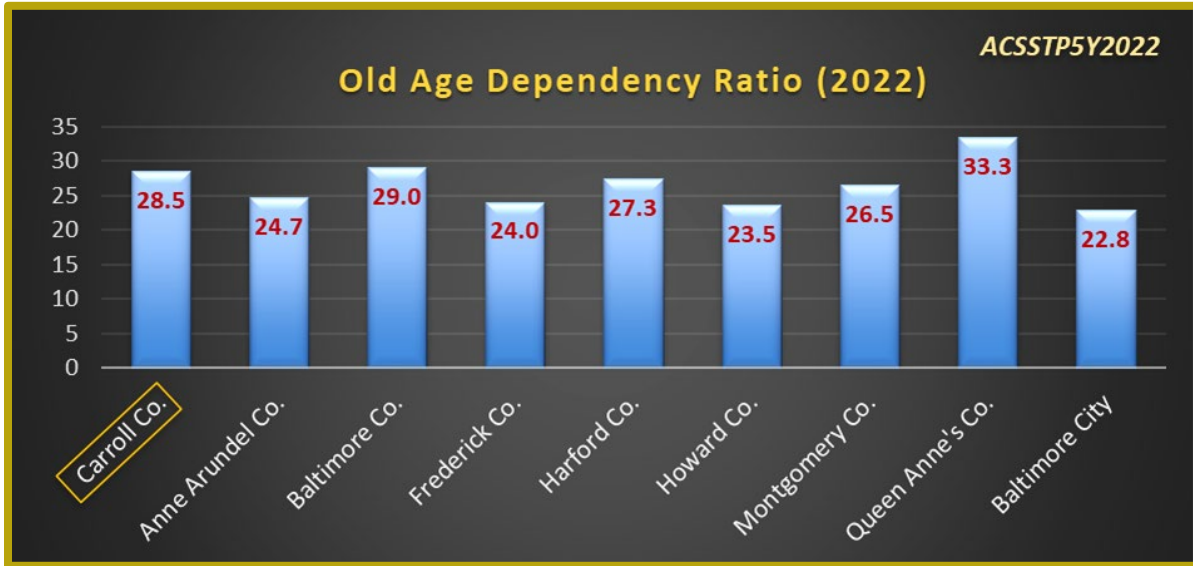
Based on Census 2020 and Census 2010 Counts.

Chart 20: Median Age by County: 2017 – 2022 (ACSSTP5Y2022)



Prepared by the Carroll County Bureau of Comprehensive Planned based on ACSSTP5Y2022 Estimates

Chart 21: Old Age Dependency Ratio by County (ACSSTP5Y2022)



Prepared by the Carroll County Bureau of Comprehensive Planned based on ACSSTP5Y2022 Estimates.

Population Projections

The most current (Round 10) population projections (based on the 2020 Census) were submitted to the Baltimore Metropolitan Council (BMC) in April 2022. However, the pandemic impact was not considered in these projections. Based on the current and projected number of households and an average household size of 2.68 (2020 Census), the County is projected to grow to a total population of nearly 188,357 by year 2050 (Round 10: CFG/BMC). The projected growth in households is based on past and current growth in U & O permits. It is also based on current zoning, future land use designations, and water/sewer capacity in the service areas of the County. The current zoning, along with future land use designations as defined by Carroll County’s Master Plan, essentially determines the land development that is possible in Carroll County for approximately 10 to 30 years going forward.

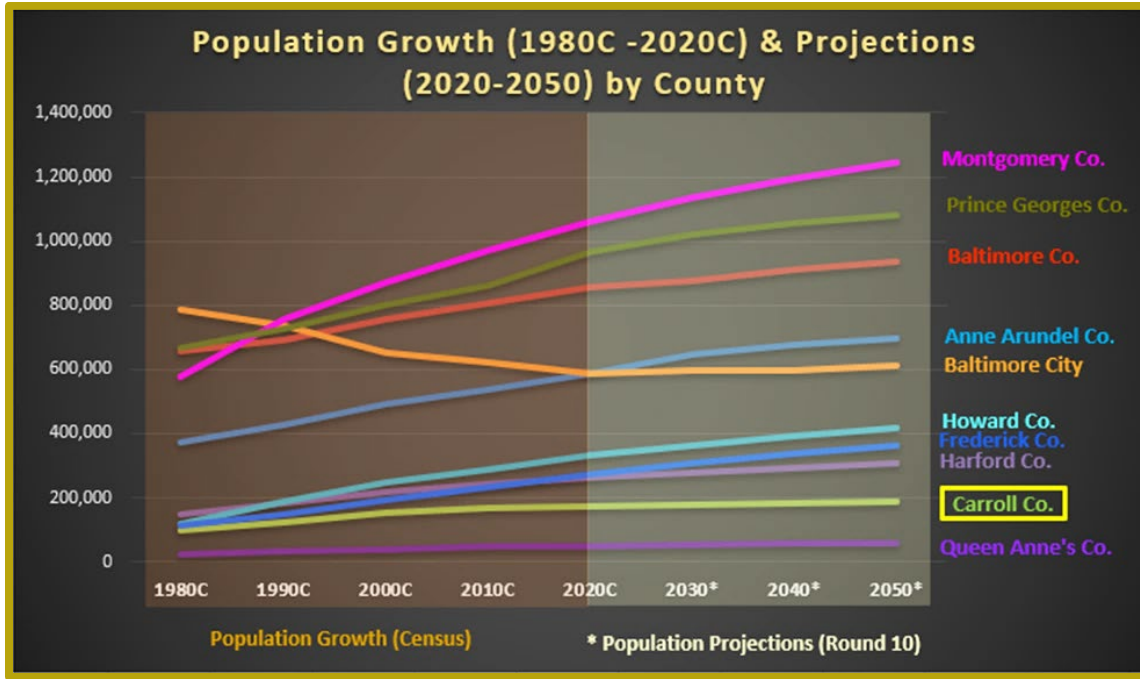
Table 2: Carroll County Population & Household Projections

| | 2020C | 2025 | 2030 | 2035 | 2040 | 2045 | 2050 |
|-------------------------|---------|---------|---------|---------|---------|---------|---------|
| Total Population | 172,891 | 176,399 | 179,140 | 181,580 | 183,956 | 186,253 | 188,357 |
| Group Quarters | 3,728 | 3,853 | 3,979 | 4,104 | 4,230 | 4,355 | 4,481 |
| # Households | 63,050 | 64,455 | 65,595 | 66,670 | 67,701 | 68,709 | 69,704 |
| Household Size | 2.68 | 2.68 | 2.67 | 2.66 | 2.65 | 2.65 | 2.64 |

Round 10 Projections: Cooperative Forecasting Group (BMC/CFG)/Carroll County Bureau of Comprehensive Planning

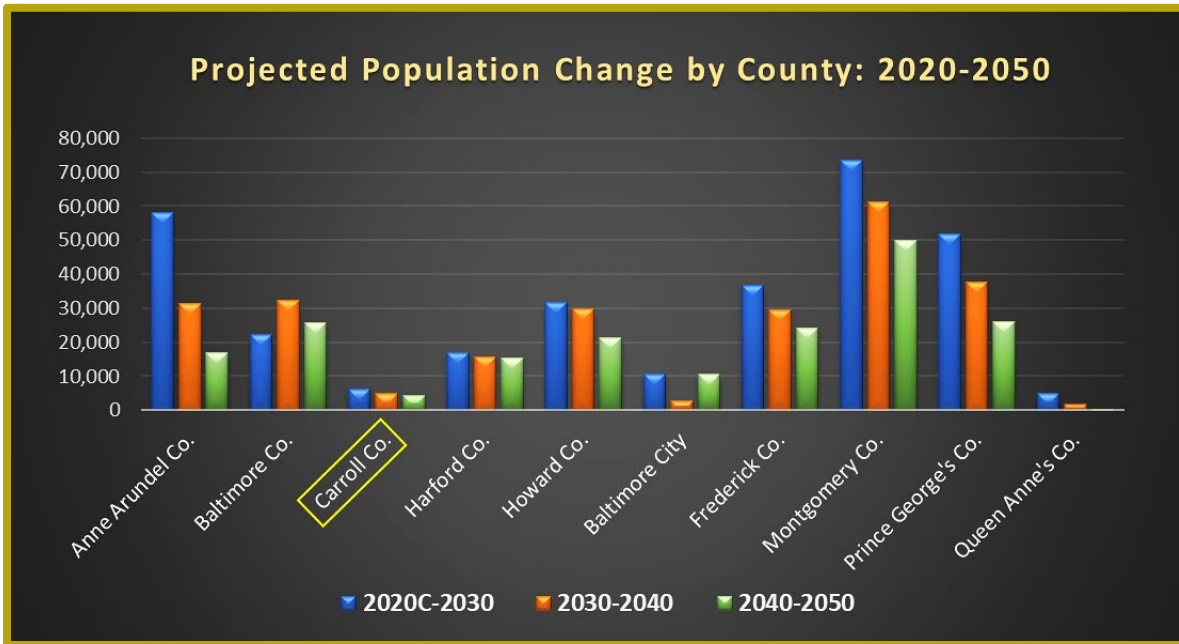
The historical growth (1980 – 2020) and growth projections (2020 to 2050) are shown below in comparison with other counties in the region. After slow but steady growth from years 1980 to 2020, Carroll County’s future growth trend shows a slight increase in total population for years 2020 to 2025, with a flattening in growth for years 2025 to 2050 compared to some of the other counties that show a steeper future growth trend (i.e., Montgomery County).

Chart 22: Historic and Projected Population Growth by County Jurisdiction



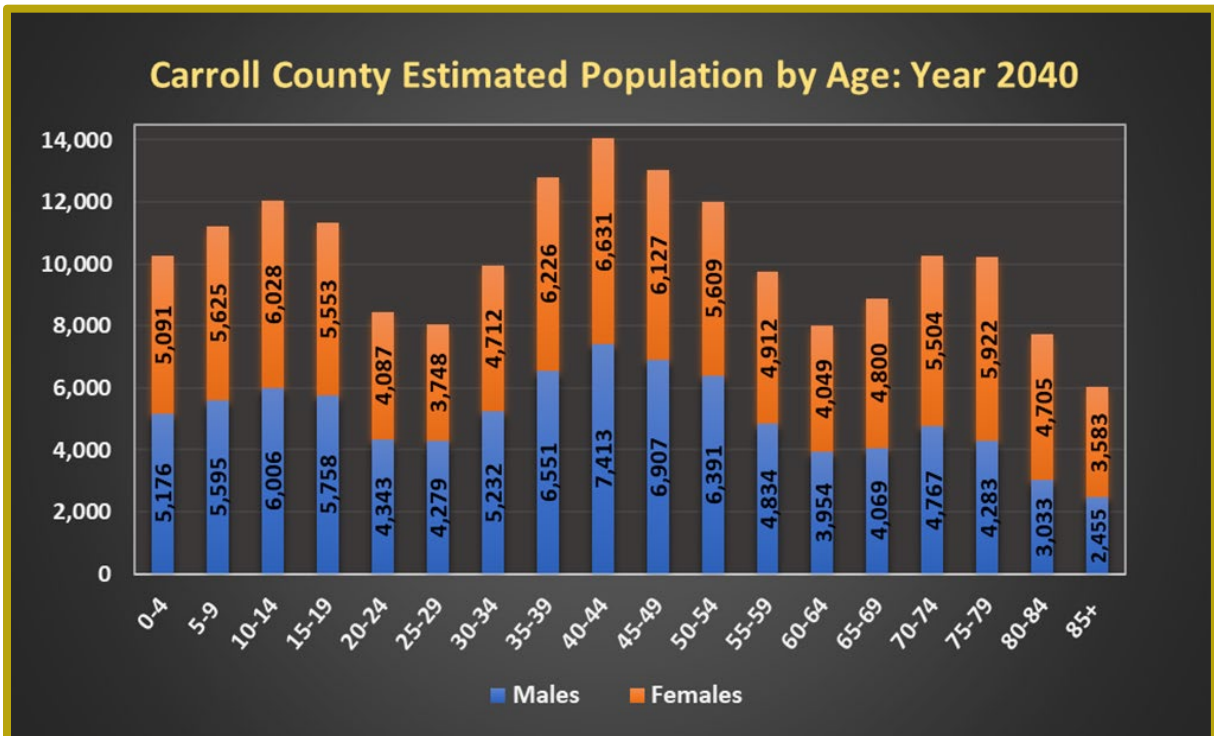
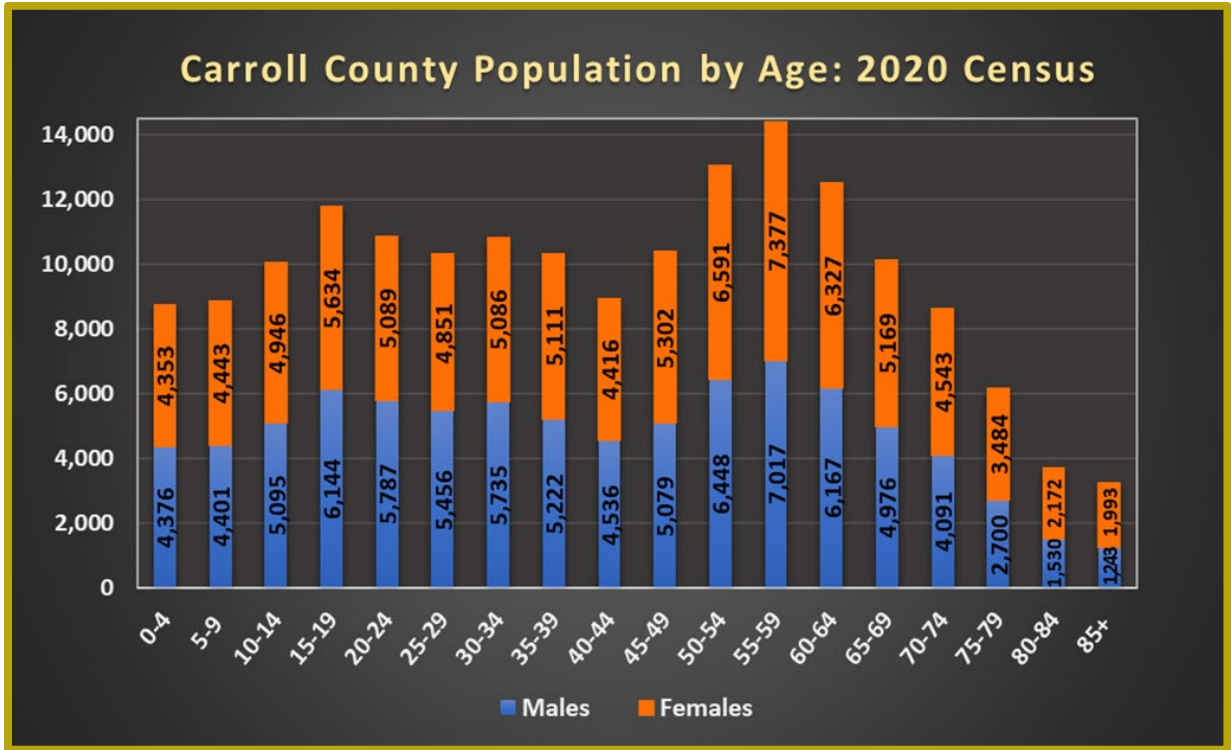
Round 10 Projections: Cooperative Forecasting Group (BMC/CFG)

Chart 23: Projected Population Change by County Jurisdiction



Projections for the Baltimore Region based on Round 10A from the Baltimore Metropolitan Council of Government's Cooperative Forecasting Committee. Projections for the Washington Suburban Region based on Round 9.2A of the Metropolitan Washington Council of Governments Cooperative Forecasting Committee. Prepared by the Maryland Department of Planning, Projections and State Data Center, December 2022

Chart 24: Carroll County Population Projections by Age: 2020 Census vs 2040 Projections



Prepared by the Bureau of Comprehensive planning based on data provided by the Cooperative Forecasting Group; Baltimore Metropolitan Council.

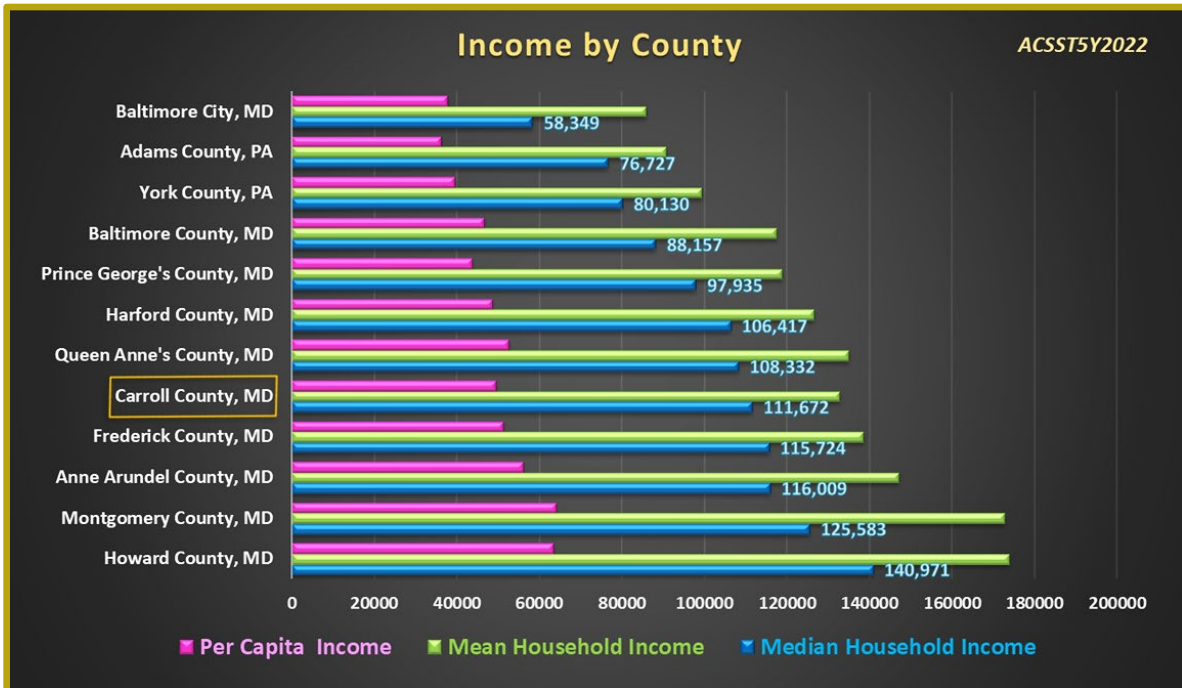
Per Capita and Household Income

When comparing Carroll County's per capita and household incomes with neighboring jurisdictions, they are generally higher than the adjoining Pennsylvania counties surveyed. The larger Maryland jurisdictions (Howard, Montgomery, Anne Arundel, and Frederick counties) have the highest incomes in the region.

Table 3: Income by County (Median, Mean, Per Capita)

| ACSST5Y2022 (\$1902) | Per Capita Income | Mean Household Income | Median Household Income |
|----------------------------|-------------------|-----------------------|-------------------------|
| Anne Arundel County, MD | \$56,187 | \$147,102 | \$116,009 |
| Baltimore City, MD | \$37,845 | \$85,857 | \$58,349 |
| Baltimore County, MD | \$46,603 | \$117,444 | \$88,157 |
| Carroll County, MD | \$49,434 | \$132,777 | \$111,672 |
| Frederick County, MD | \$51,169 | \$138,462 | \$115,724 |
| Harford County, MD | \$48,615 | \$126,684 | \$106,417 |
| Howard County, MD | \$63,441 | \$173,854 | \$140,971 |
| Montgomery County, MD | \$64,126 | \$172,866 | \$125,583 |
| Prince George's County, MD | \$43,833 | \$118,777 | \$97,935 |
| Queen Anne's County, MD | \$52,652 | \$134,896 | \$108,332 |
| Adams County, PA | \$36,150 | \$90,743 | \$76,727 |
| York County, PA | \$39,471 | \$99,467 | \$80,130 |
| Maryland | \$49,236 | \$125,876 | \$98,461 |
| United States | \$41,804 | \$105,555 | \$75,149 |

Chart 25: Income by County (Median, Mean, Per Capita)

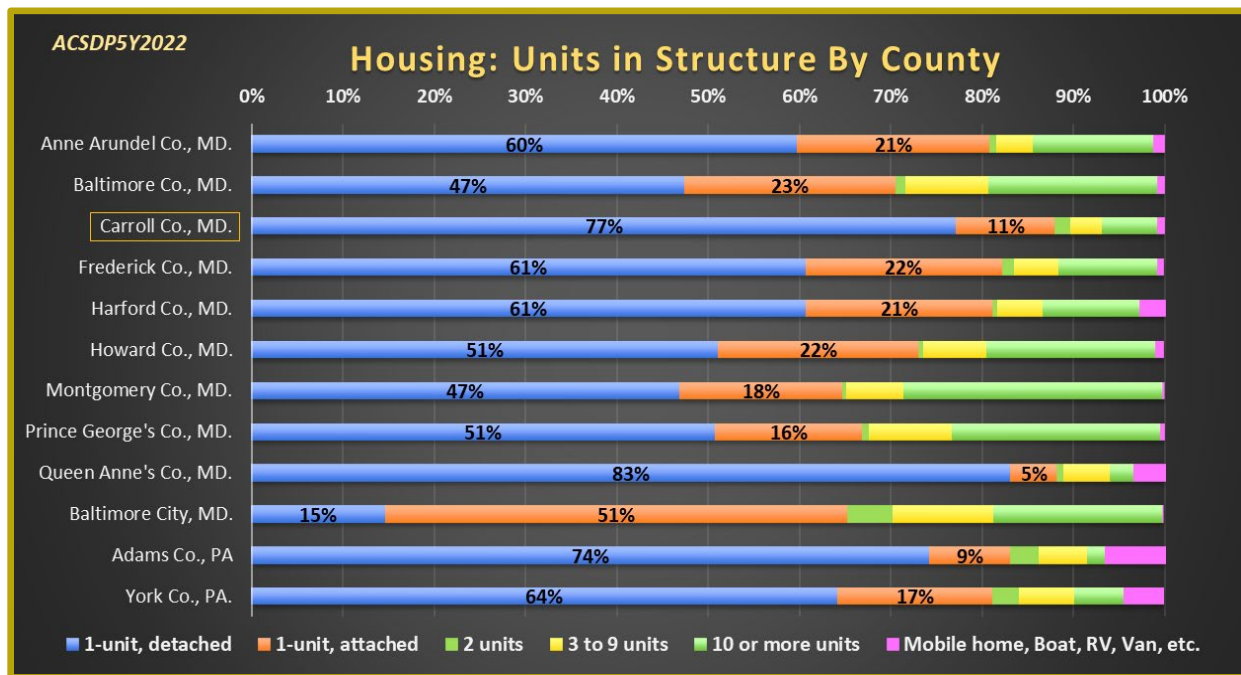


Prepared by the Carroll County Bureau of Planning based on ACSST5Y2022 (S1901, S1902; 2022 Inflation-Adjusted Dollars)

Housing

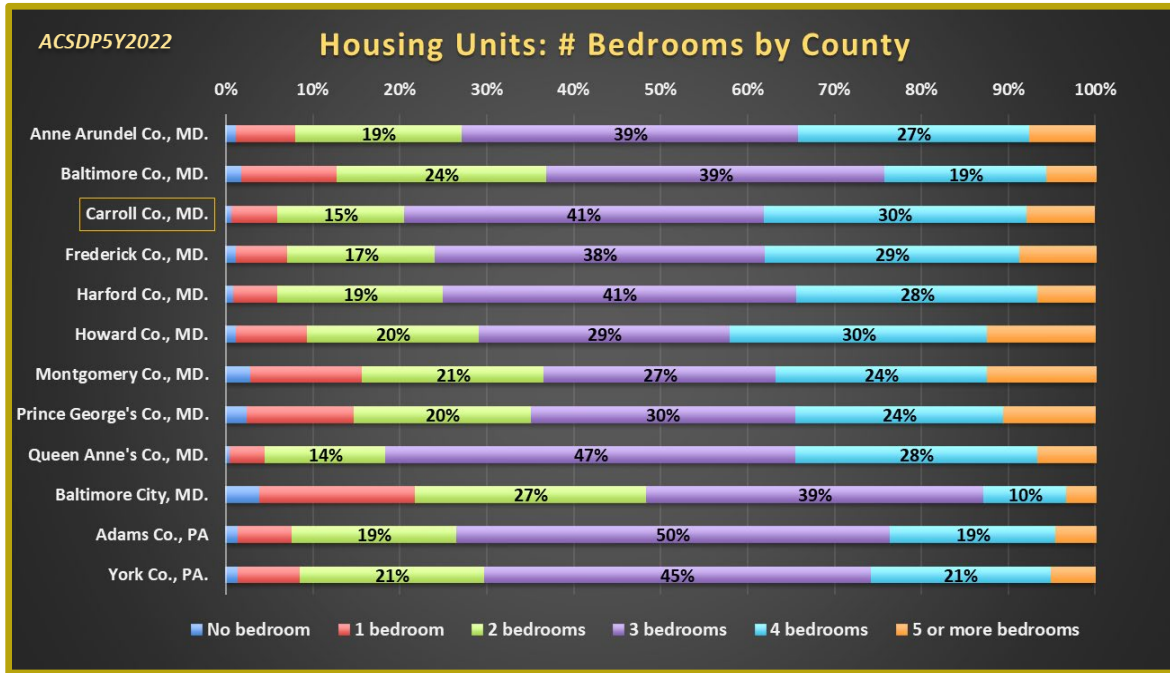
Carroll County's housing stock is predominantly comprised of single-family detached units, with 77% of all units falling in this category. This is higher than all neighboring jurisdictions. The majority of homes have three or more bedrooms, which is expected for the high percentage of single-family homes. There are fewer rental properties than other counties, with 82% of all units being owner-occupied., and 72% of these having a mortgage. More than half of all homeowners, 54%, have owned their homes for more than 15 years. Only 3% of homeowners have moved in since 2021. The majority of Carroll County households have two or more vehicles per household, which is in line with other neighboring suburban jurisdictions. Charts 26 through 33 show “selected housing characteristics” based on ACS 5-Year Estimates data.

Chart 26: Type of Housing (2017-2022)



Based on U.S. Census Bureau. "Selected Housing Characteristics." American Community Survey, ACS 5-Year Estimates Data Profiles, Table DP04, 2022, <https://data.census.gov/table/ACSDP5Y2022>

Chart 27: Housing Units by #Bedrooms by County (2017-2022)



Based on U.S. Census Bureau. "Selected Housing Characteristics." American Community Survey, ACS 5-Year Estimates Data Profiles, Table DP04, 2022, <https://data.census.gov/table/ACSDP5Y2022>

Chart 28: Tenure by County (Census 2020)

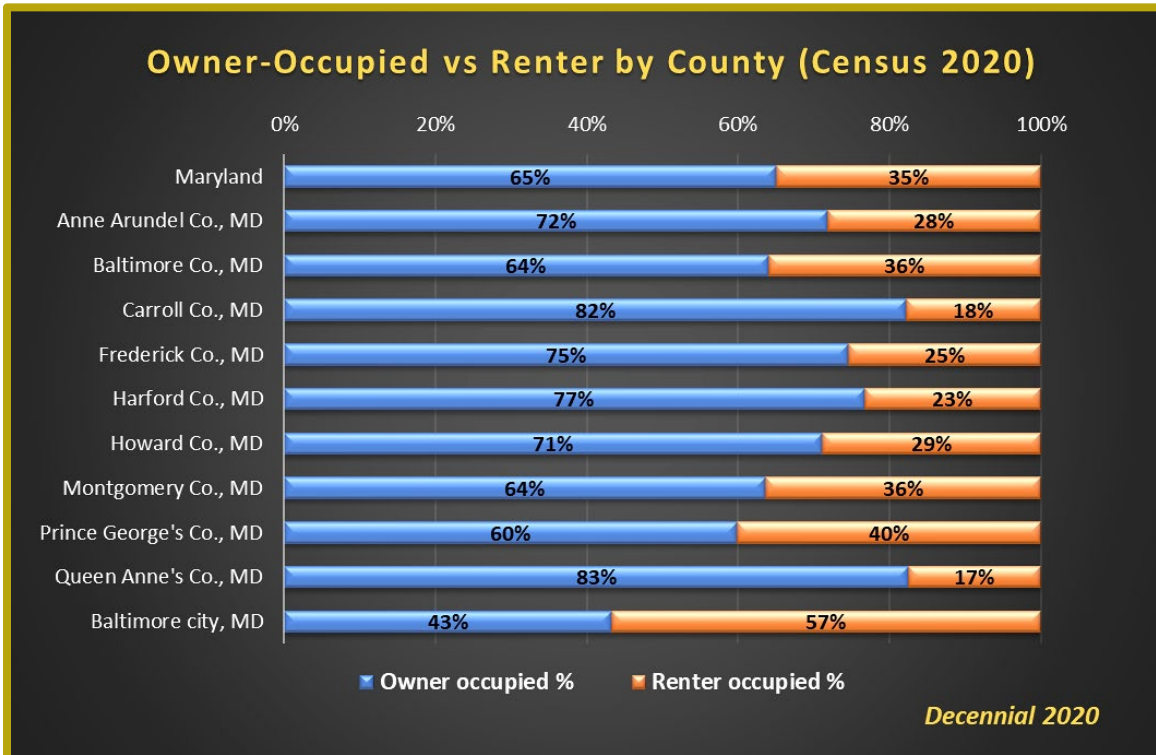
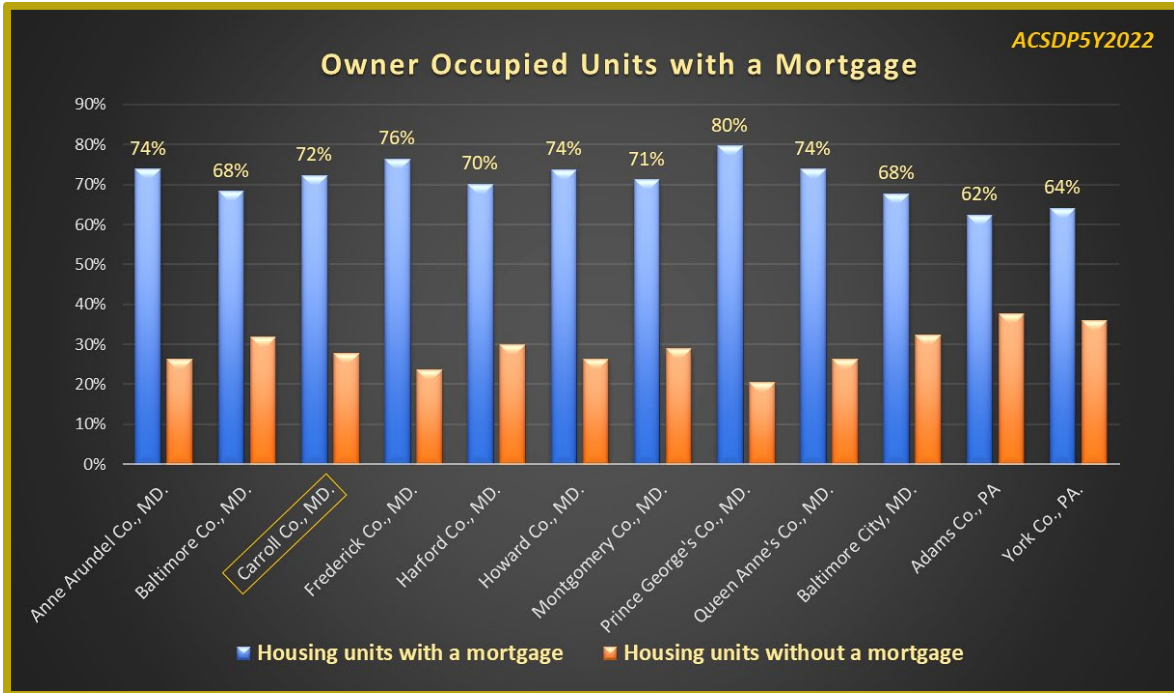
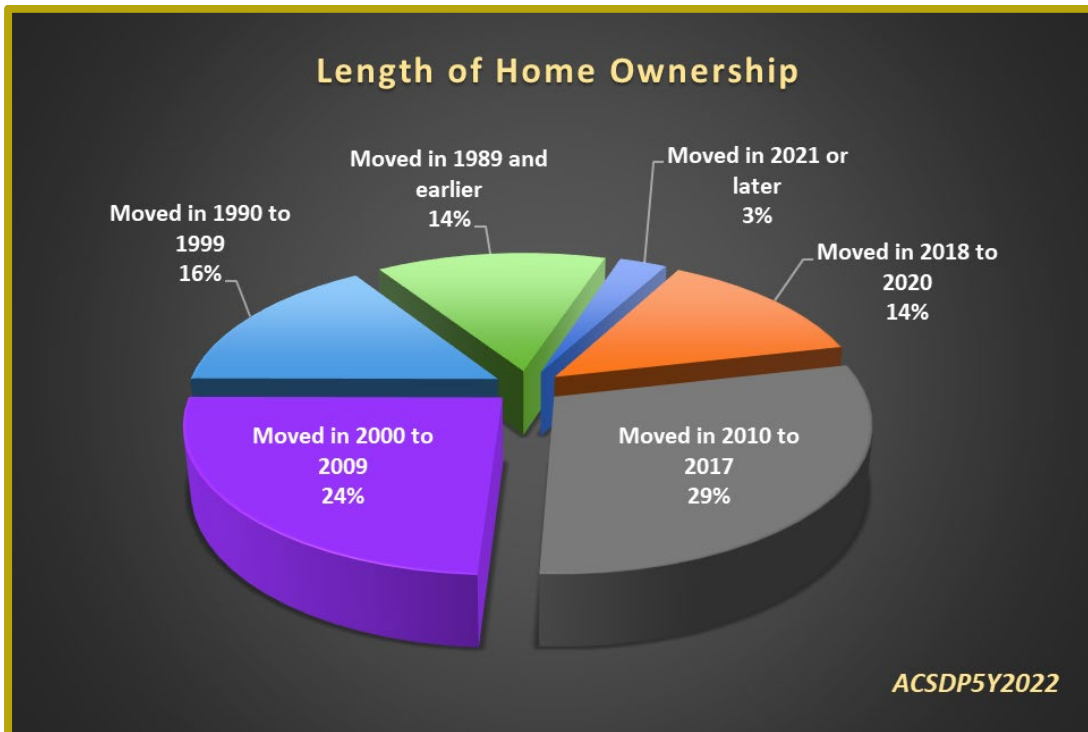


Chart 29: Owner-occupied with a Mortgage by County (2017 – 2022)



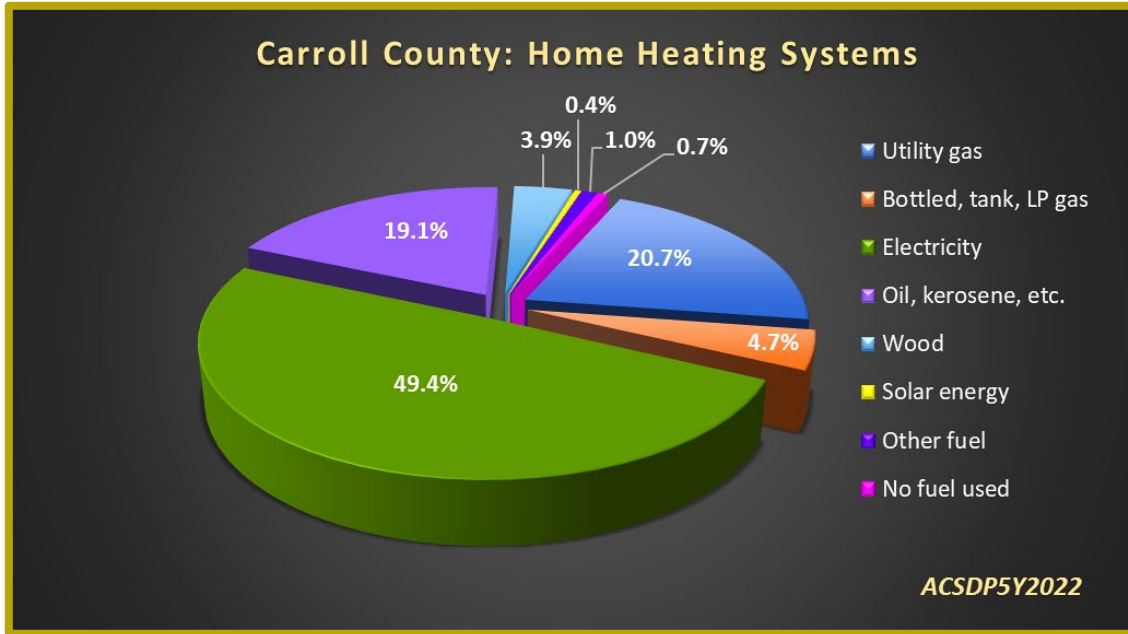
Based on U.S. Census Bureau. "Selected Housing Characteristics." American Community Survey, ACS 5-Year Estimates Data Profiles, Table DP04, 2022, <https://data.census.gov/table/ACSDP5Y2022>

Chart 30: Length of Home Ownership (2017 – 2022)



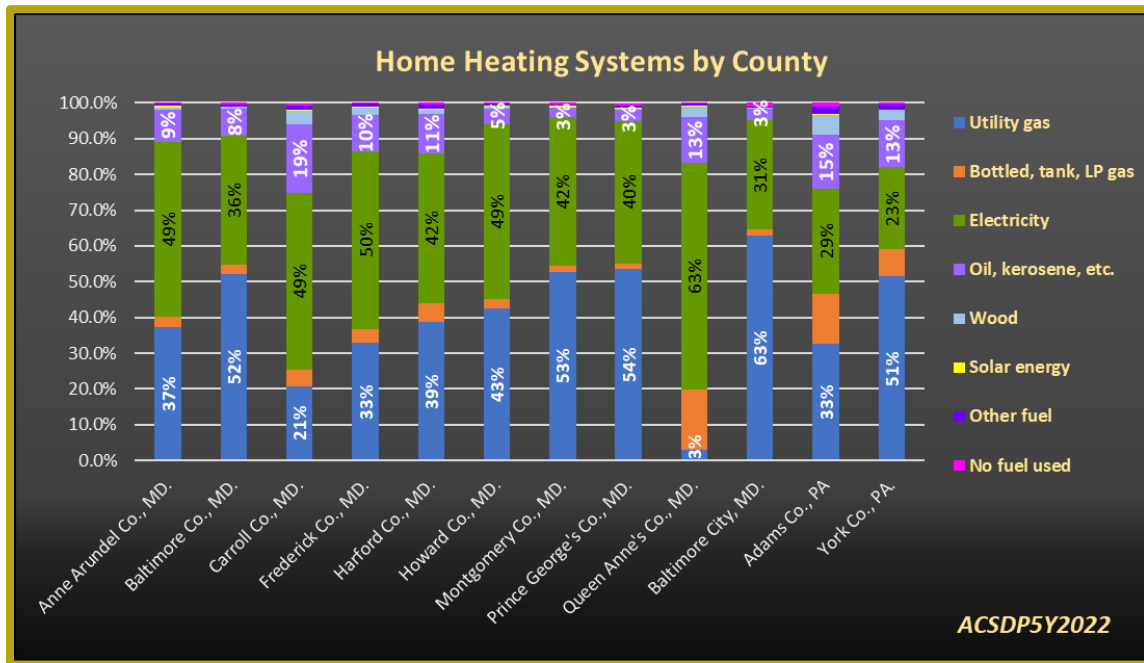
Based on U.S. Census Bureau. "Selected Housing Characteristics." American Community Survey, ACS 5-Year Estimates Data Profiles, Table DP04, 2022, <https://data.census.gov/table/ACSDP5Y2022>

Chart 31: Carroll County: Home Heating Systems (2017 – 2022)



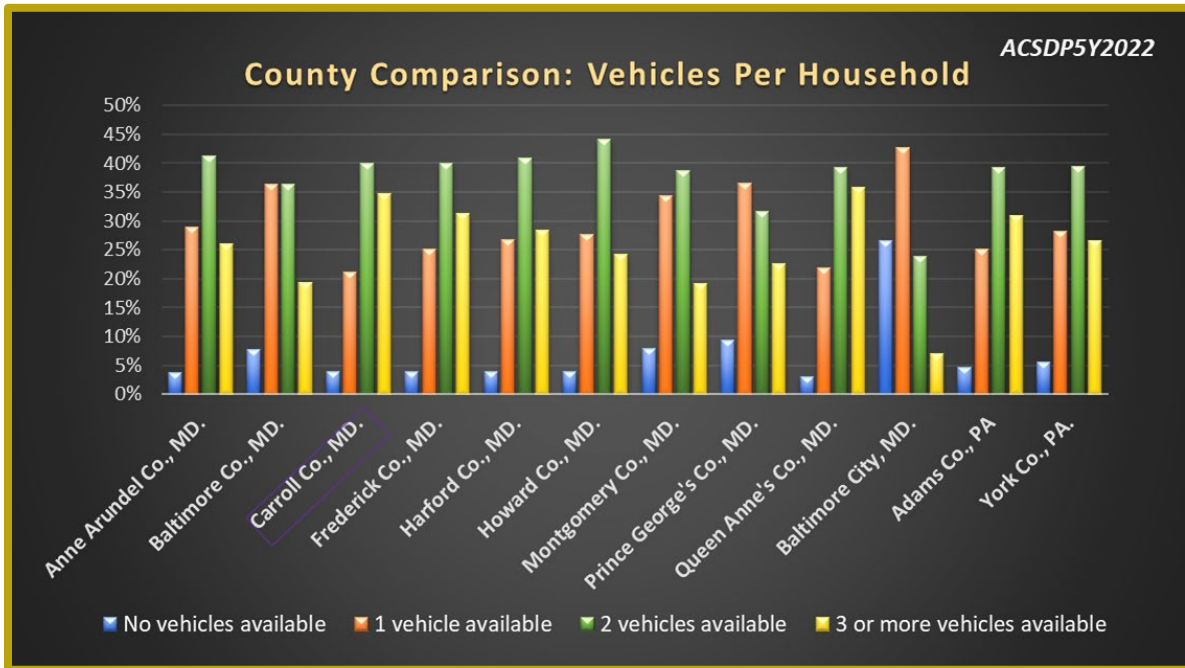
Based on U.S. Census Bureau. "Selected Housing Characteristics." American Community Survey, ACS 5-Year Estimates Data Profiles, Table DP04, 2022, <https://data.census.gov/table/ACSDP5Y2022>

Chart 32: Home Heating Systems by County (2017 – 2022)



Based on U.S. Census Bureau. "Selected Housing Characteristics." American Community Survey, ACS 5-Year Estimates Data Profiles, Table DP04, 2022, <https://data.census.gov/table/ACSDP5Y2022>

Chart 33: Vehicles per Household (2017 – 2022)



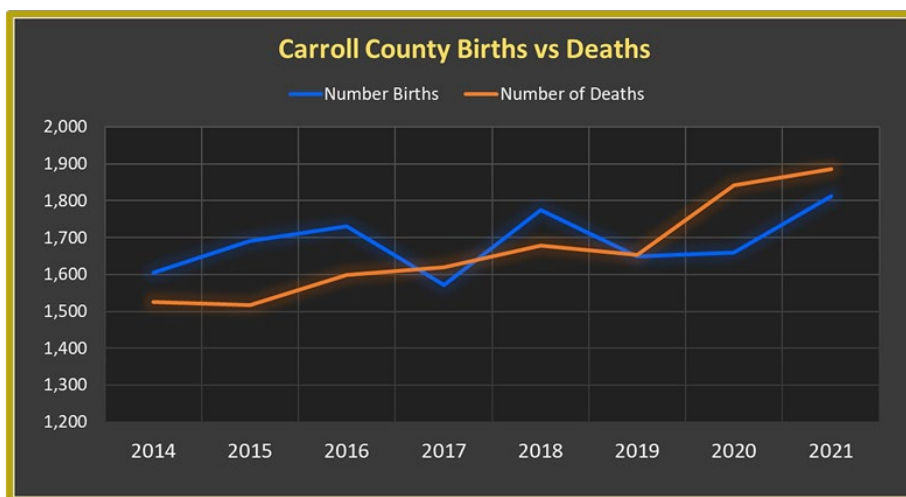
Based on U.S. Census Bureau. "Selected Housing Characteristics." American Community Survey, ACS 5-Year Estimates Data Profiles, Table DP04, 2022, <https://data.census.gov/table/ACSDP5Y2022>

VITAL STATISTICS & HEALTH

Births vs. Deaths

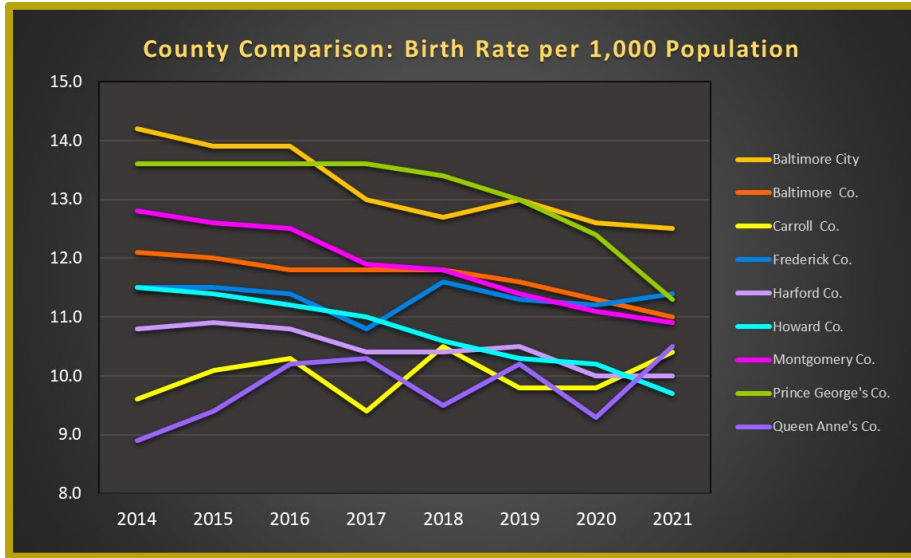
Between 2014 and 2021, both the number of births and deaths rose in Carroll County, with deaths outpacing births, although there were variations in each year. The birth rate rose only in Carroll and Queen Anne's Counties, but again with significant annual variation. Death rates steadily rose in all jurisdictions, with a noticeable peak for most in 2020, as the Covid-19 pandemic became one of the top causes of death. Over the seven-year period, the greatest increases in the death rate were in Baltimore City and Prince George's Counties, the death rate in Baltimore City remaining the highest in 2021. Of the nine jurisdictions in the Baltimore and Washington regions, Carroll County had the third highest death rate in 2021, over 6% higher than the state of Maryland. A comparison of the top causes of death in Carroll County in 2014 vs. 2021 shows that although heart disease and cancer remain the top two causes, there have been shifts in the ranking, and Covid-19, suicide, and chronic liver disease now have a place in the top ten causes. The death rate by homicide remains low in Carroll.

Chart 34: Carroll County: Births versus Deaths: 2014 to 2021



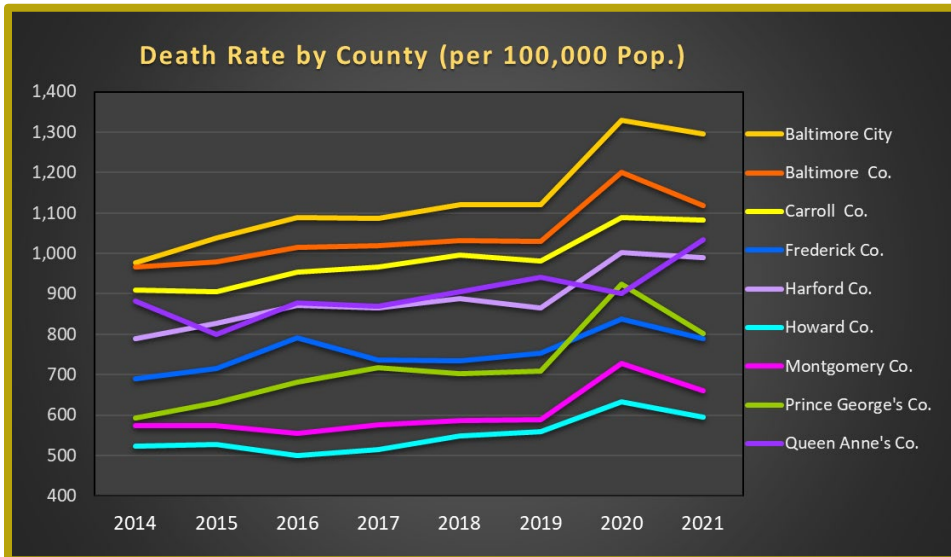
Based on Maryland Vital Statistics Administration: 2014 to 2021 Annual Reports

Chart 35: Births by County: 2014 to 2021



Based on Maryland Vital Statistics Administration: 2014 to 2021 Annual Reports

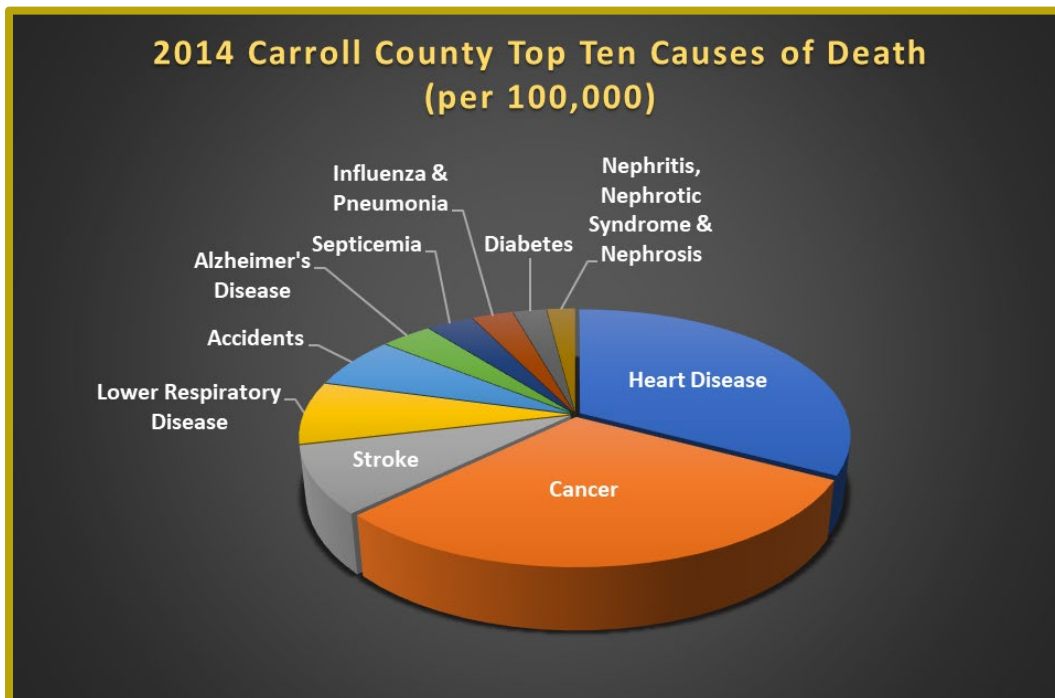
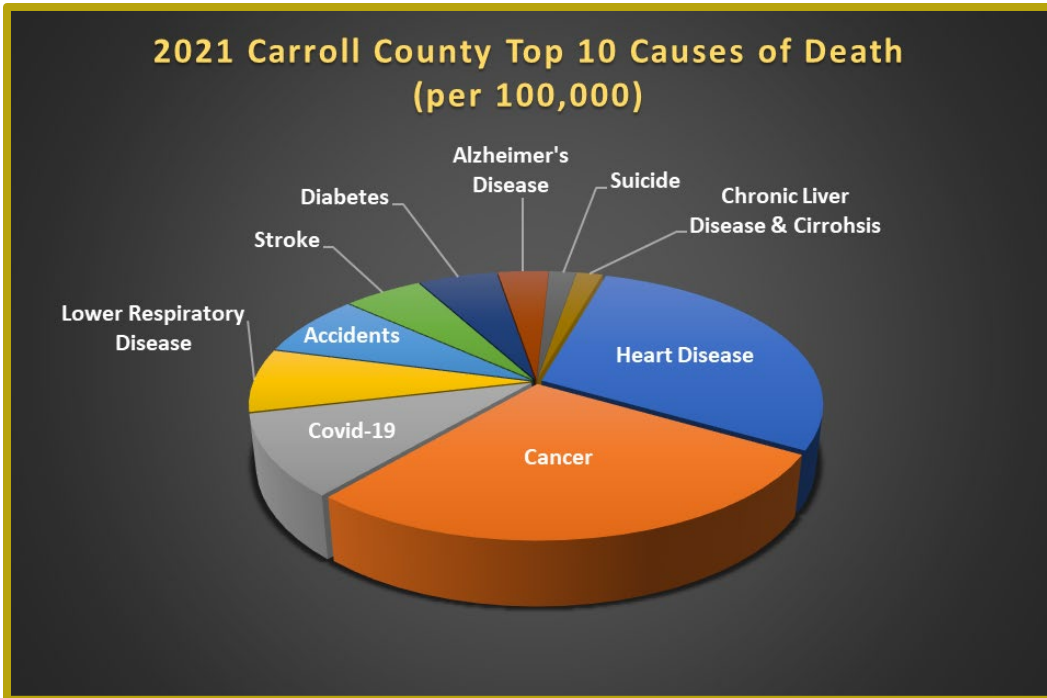
Chart 36: Death Rate by County 2014 to 2021



Based on Maryland Vital Statistics Administration: 2014 to 2021 Annual Reports

Causes of Death

Chart 37: Carroll County Top 10 Causes of Death: 2021 vs 2014



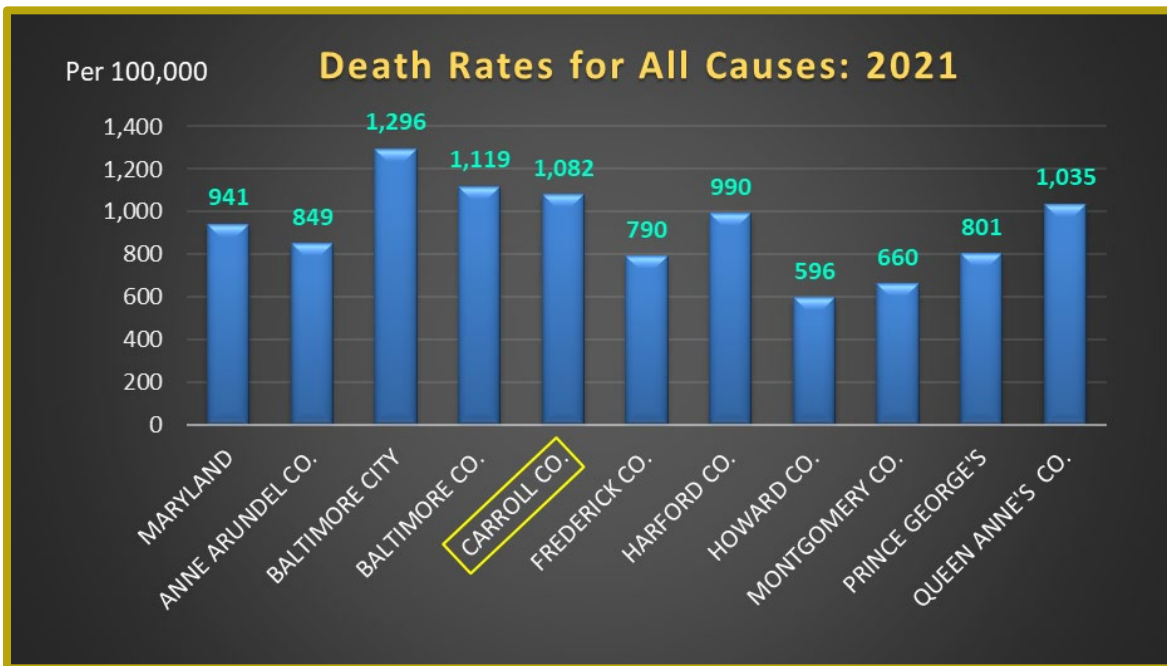
Based on Maryland Department of Health Vital Statistics Administration Division of Health Statistics: 2014, 2021 Annual Reports

Table 4: Carroll County Top 10 Causes of Death: 2021 vs 2014

| Carroll County Causes of Death 2021 vs 2014 | | | |
|---|-------|--|-------|
| 2021 Top Ten Causes | Rate | 2014 Top Ten Causes | Rate |
| Heart Disease | 216.4 | Heart Disease | 214.5 |
| Cancer | 208.9 | Cancer | 196 |
| Covid-19 | 75.2 | Stroke | 56 |
| Lower Respiratory Disease | 58 | Lower Respiratory Disease | 52 |
| Accidents | 56.8 | Accidents | 42.9 |
| Stroke | 40.2 | Alzheimer's Disease | 23.8 |
| Diabetes | 40.2 | Septicemia | 21.5 |
| Alzheimer's Disease | 25.8 | Influenza & Pneumonia | 19.1 |
| Suicide | 13.8 | Diabetes | 15.5 |
| Chronic Liver Disease & Cirrohsis | 13.2 | Nephritis, Nephrotic Syndrome & Nephrosi | 13.1 |

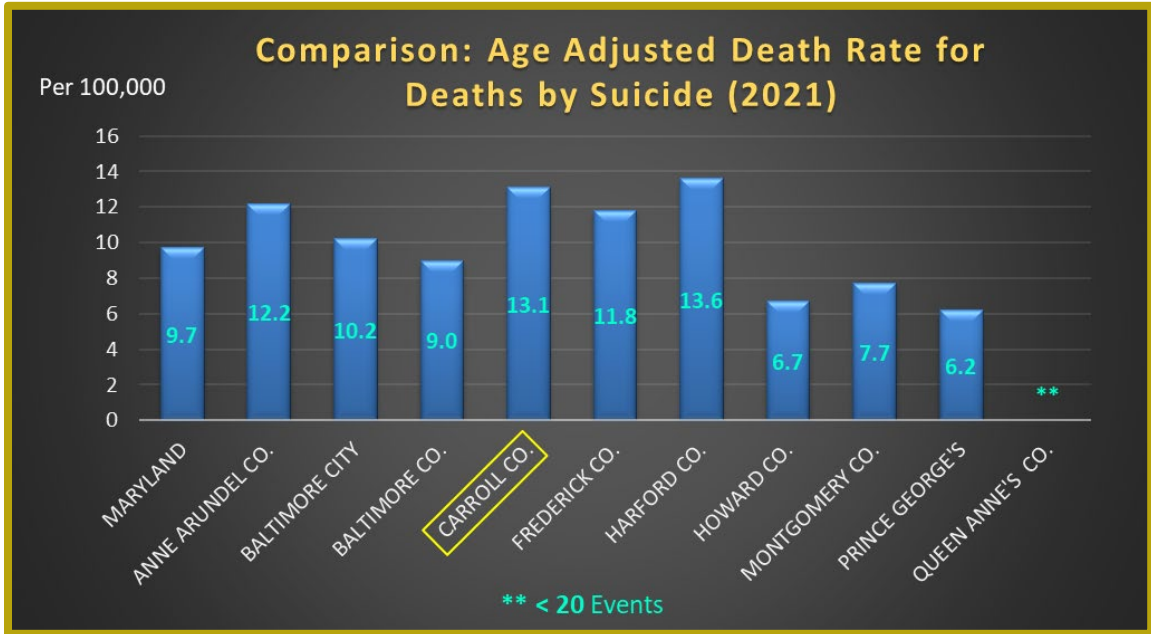
Based on Maryland Department of Health Vital Statistics Administration Division of Health Statistics: 2014, 2021 Annual Reports

Chart 38: Deaths from all Causes by County: 2021 (per 100,000)



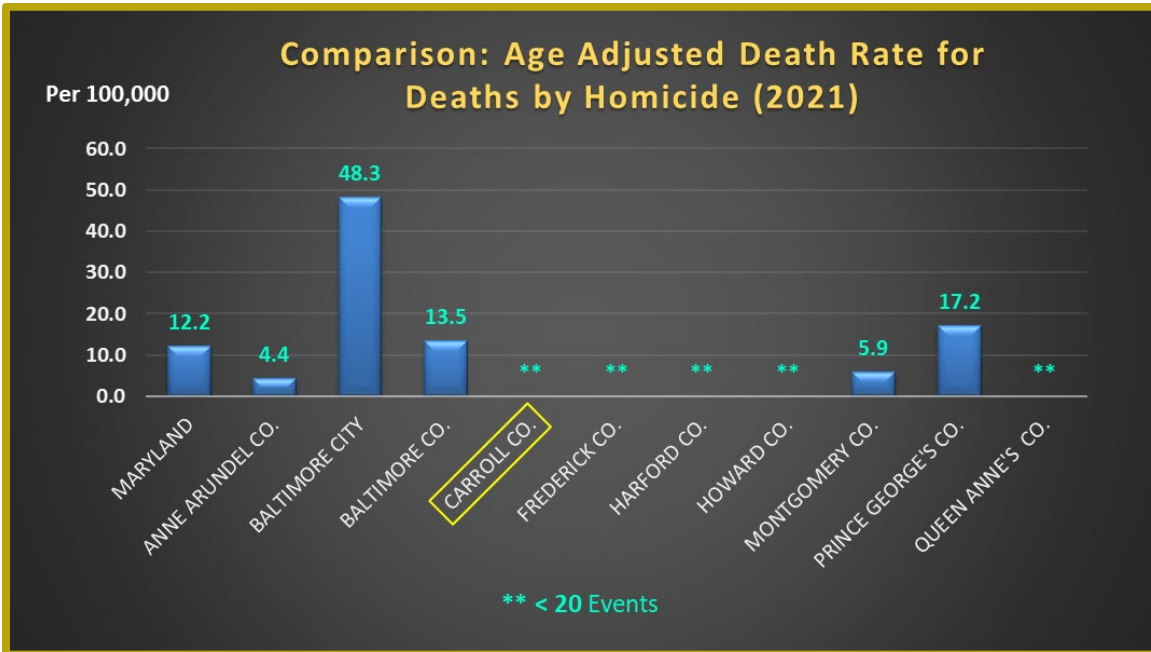
Based on Maryland Department of Health Vital Statistics Administration Division of Health Statistics, 2021 Annual Report

Chart 39: Deaths from Suicide per County: 2021 (per 100,000)



Based on Maryland Department of Health Vital Statistics Administration Division of Health Statistics, 2021 Annual Report
 *Adjusted to the standard U.S. 2000 population by the direct method. (per 100,000)

Chart 40: Deaths from Homicide per County: 2021 (per 100,000)



Based on Maryland Department of Health Vital Statistics Administration Division of Health Statistics, 2021 Annual Report
 *Adjusted to the standard U.S. 2000 population by the direct method. (per 100,000)

Group Quarters Populations

The 2020 Census count for Carroll County’s group quarters population (group living situation) was 3,728 with 1,970 of those institutionalized. This was an increase of 409 persons since the 2010 Census when the Group Quarters population was 3,319. Most of the increase was in the non-institutionalized population which was 1,758 at the time of the 2020 Census vs 1,153 (2010 Census). Specifically, “Group Quarters” is defined by the US Census as “a place where people live or stay, in a group living arrangement, that is owned or managed by an entity or organization providing housing and/or services for the residents”. Group Living situations include populations in institutionalized facilities such as prisons, juvenile facilities, nursing homes/skilled nursing facilities, etc., and also, non-institutionalized populations such as college/university housing, military facilities and other noninstitutionalized living situations such as group homes in the community.

Table 5: Group Quarters 2020 Census vs 2010 Census

| Group Quarters: 2020 Census | | Carroll County,MD |
|---|--|-------------------|
| Total: | | 3,728 |
| Institutionalized population: | | 1,970 |
| Correctional facilities for adults | | 519 |
| Juvenile facilities | | 33 |
| Nursing facilities/Skilled-nursing facilities | | 1,276 |
| Other institutional facilities | | 142 |
| Noninstitutionalized population: | | 1,758 |
| College/University student housing | | 1,328 |
| Military quarters | | 0 |
| Other noninstitutional facilities | | 430 |
| | | |
| Group Quarters: 2010 Census | | Carroll County,MD |
| In group quarters: | | 3,319 |
| Institutionalized population | | 1,966 |
| Noninstitutionalized population | | 1,353 |

*There was no breakdown by type for the 2010 Group Quarters Statistics.

Table 6: Long-Term Care & Rehabilitation Group Quarters Estimates (Aug 2023)

| Long-Term Care & Rehabilitation Group Quarters Estimates (August 2023) | | | |
|---|------------------|-----------------------|------------|
| Facility | License Capacity | # Residents (approx.) | Comments |
| Long-Term Care | 911 | 875 | Rough Est. |
| Assisted Living | 867 | 850 | Rough Est. |
| Residential SUD (Addictions) | 313 | 227 | Rough Est. |
| Recovery Homes (Addictions) | 89 | 83 | Rough Est. |
| Mental Health (Inpatient) | 56 | 46 | Estimate |
| Group Home Residents with Developmental Disabilities | 121 | 121 | Estimate |

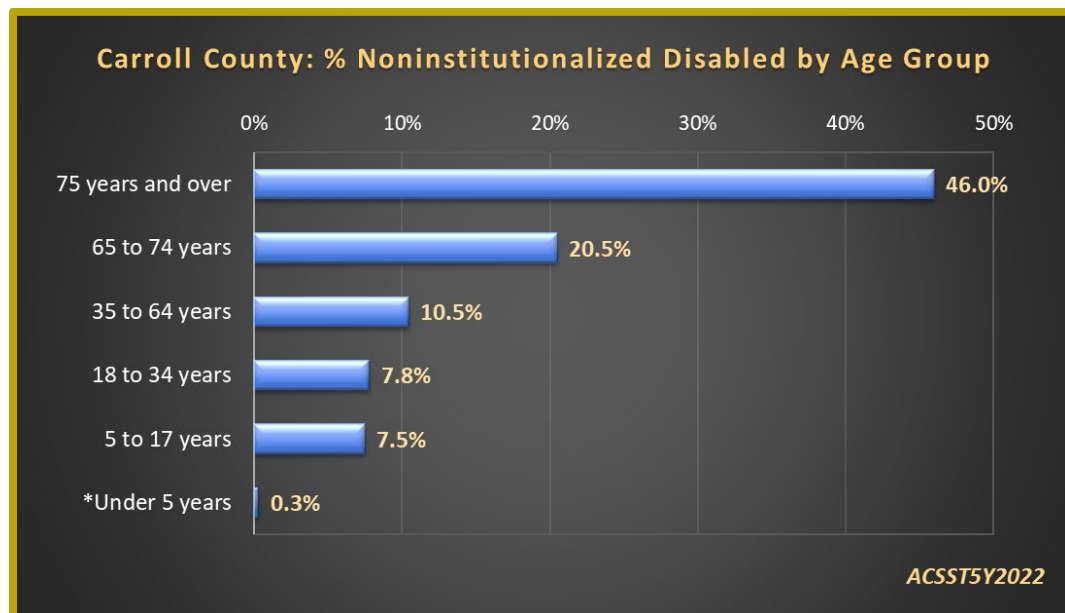
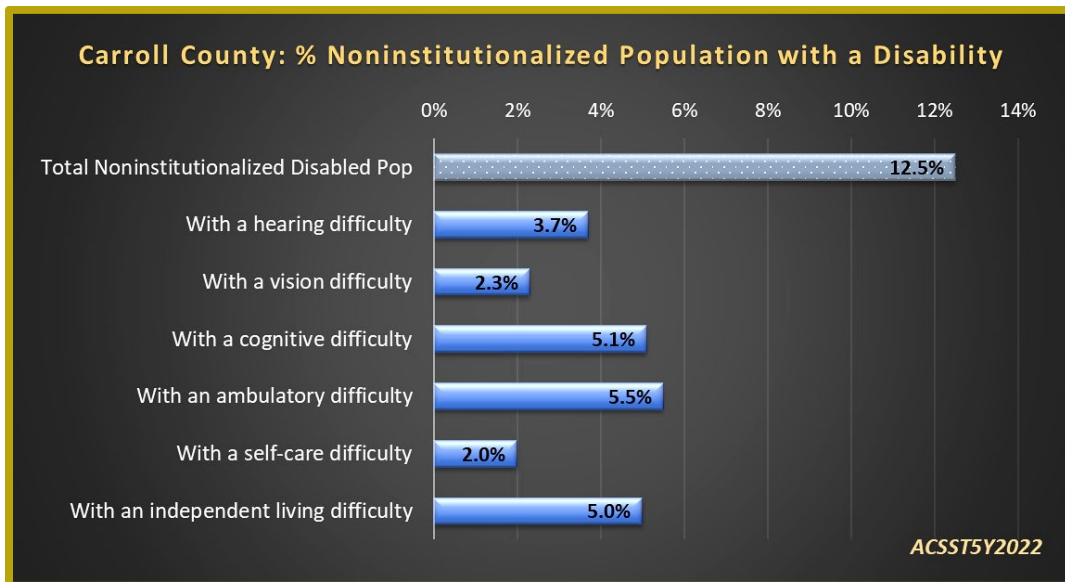
Carroll County Bureau of Comprehensive Planning based on research conducted in August 2023.

Within the next 10 to 30 years, it is predicted that the Group Quarters population in Carroll County will increase as the population is aging and more individuals of the baby boomer generation (1946 – 1964) will be needing some form of assisted living in the near or distant future.

Assisted Living & Disabled Population Statistics

According to the ACST5Y2022 estimates, about 12.5 % of the non-institutionalized population in Carroll County are challenged with a disability. While many of these individuals with a disability live in non-institutionalized group living situations (i.e., group homes), this figure includes persons living independently or living with assistance from family members in the community.

Chart 41: Carroll County: Noninstitutionalized Population with a Disability



Based on U.S. Census Bureau. "Disability Characteristics." American Community Survey, ACS 5-Year Estimates (2022)

Drug & Alcohol Overdoses

Between 2012 and 2021, there were 18,712 total unintentional drug- and alcohol-related intoxication deaths in Maryland, the number steadily rising over the ten-year period. In Carroll County, the total number was 466, accounting for only 2.5 % of the Statewide total. However, after adjusting for typical expected deaths (the age-adjusted mortality rate), between 2019 and 2021, Carroll's mortality rate of 42.7 per 100,000 due to this cause was higher than some of its surrounding jurisdictions.

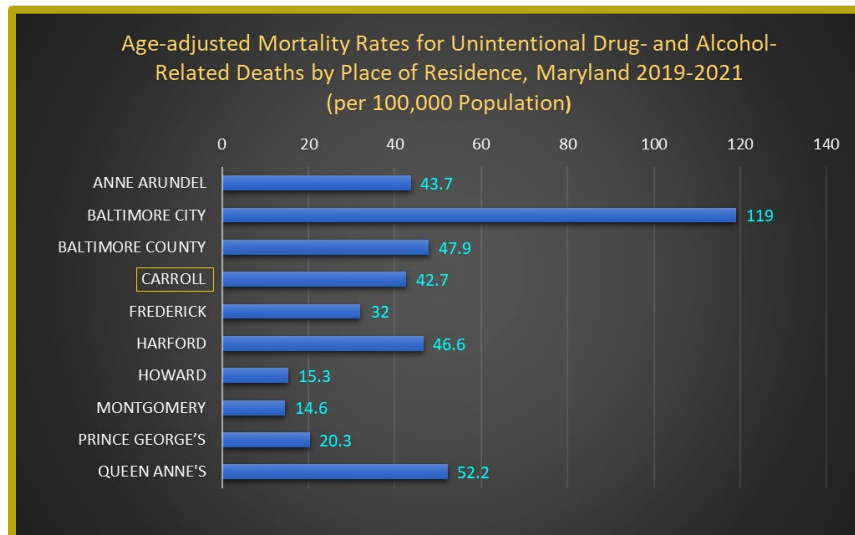
Table 7: Mortality Rates by Year/Region for Unintentional Drug & Alcohol Related Deaths

| TOTAL NUMBER OF UNINTENTIONAL DRUG- AND ALCOHOL-RELATED INTOXICATION DEATHS BY PLACE OF OCCURRENCE, MARYLAND (2012-2021) ^{1,2} | | | | | | | | | | | |
|---|---------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| REGION AND POLITICAL SUBDIVISION | TOTAL INTOXICATION DEATHS | | | | | | | | | | |
| | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | TOTAL |
| MARYLAND | 799 | 858 | 1,041 | 1,259 | 2,089 | 2,282 | 2,406 | 2,379 | 2,799 | 2,800 | 18,712 |
| NORTHWEST AREA | 67 | 86 | 96 | 131 | 214 | 183 | 211 | 189 | 234 | 207 | 1,618 |
| FREDERICK | 26 | 37 | 42 | 40 | 88 | 78 | 78 | 64 | 64 | 53 | 570 |
| BALTIMORE METRO AREA | 519 | 557 | 678 | 841 | 1,402 | 1,549 | 1,731 | 1,652 | 1,860 | 1,892 | 12,681 |
| BALTIMORE CITY | 225 | 246 | 305 | 393 | 694 | 761 | 888 | 914 | 1,028 | 1,079 | 6,533 |
| BALTIMORE COUNTY | 119 | 144 | 170 | 220 | 336 | 367 | 388 | 350 | 394 | 390 | 2,878 |
| ANNE ARUNDEL | 83 | 78 | 101 | 112 | 195 | 214 | 241 | 208 | 251 | 230 | 1,713 |
| CARROLL | 29 | 24 | 38 | 40 | 47 | 55 | 72 | 56 | 46 | 59 | 466 |
| HOWARD | 24 | 29 | 21 | 26 | 46 | 51 | 41 | 37 | 57 | 38 | 370 |
| HARFORD | 39 | 36 | 43 | 50 | 84 | 101 | 101 | 87 | 84 | 96 | 721 |
| NATIONAL CAPITAL AREA | 104 | 111 | 128 | 140 | 231 | 283 | 216 | 251 | 342 | 367 | 2,173 |
| MONTGOMERY | 48 | 52 | 65 | 70 | 102 | 116 | 89 | 105 | 139 | 142 | 928 |
| PRINCE GEORGE'S | 56 | 59 | 63 | 70 | 129 | 167 | 127 | 146 | 203 | 225 | 1,245 |
| EASTERN SHORE AREA | 72 | 79 | 92 | 88 | 154 | 164 | 162 | 192 | 252 | 233 | 1,488 |
| QUEEN ANNE'S | 2 | 8 | 10 | 4 | 8 | 8 | 17 | 13 | 14 | 15 | 99 |

¹ Includes deaths that were the result of recent ingestion or exposure to alcohol or another type of drug, including heroin, cocaine, prescription opioids, benzodiazepines, and other prescribed and unapproved drugs.
² Includes only deaths for which the manner of death was classified as accidental or undetermined.

Maryland Department of Health Vital Statistics Administration Division of Health Statistics, 2012 - 2021 Annual Reports

Chart 42: Mortality Rates for Unintentional Drug & Alcohol Related Deaths

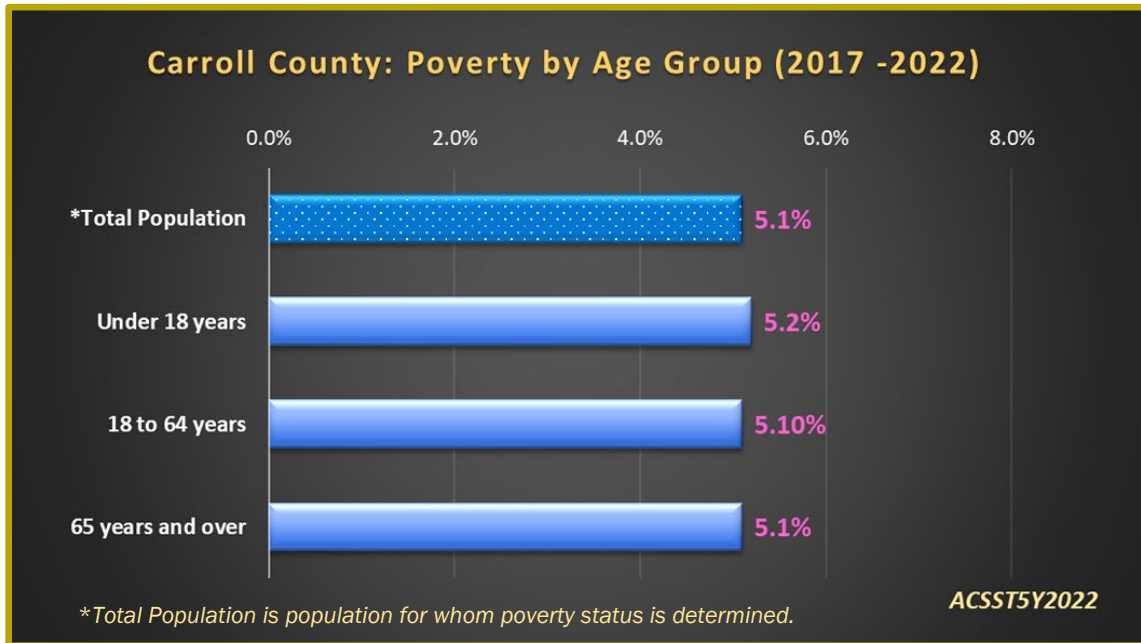


Based on Maryland Department of Health Vital Statistics Administration Division of Health Statistics

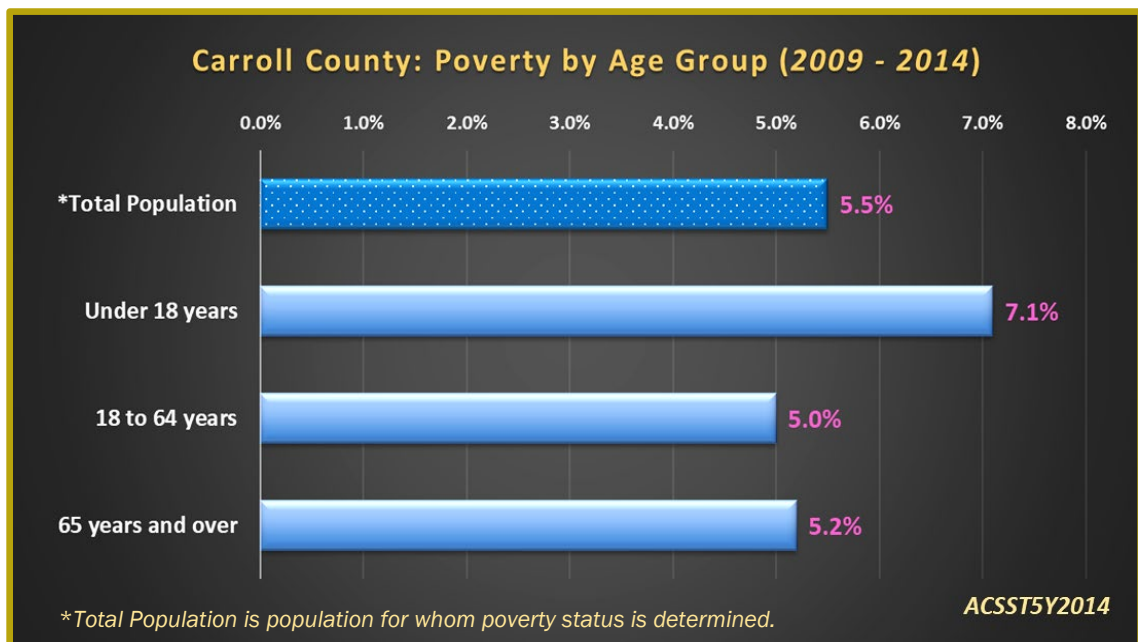
Poverty Statistics

The poverty rate by age group over the past five years for Carroll County has been slightly over 5% for all age groups. The only shift from the previous five years has been a decrease of 2% for the under 18 years age group. A comparison by race indicates that the highest rate of poverty is for Hispanic/Latino (16.8%), and the lowest is for White (4.1%). In comparison with neighboring jurisdictions, Carroll has among the lowest overall poverty rates, at 5.1%.

Chart 43: Carroll County: Poverty by Age Group (2017-2022 avg) vs (2009-2014 avg)

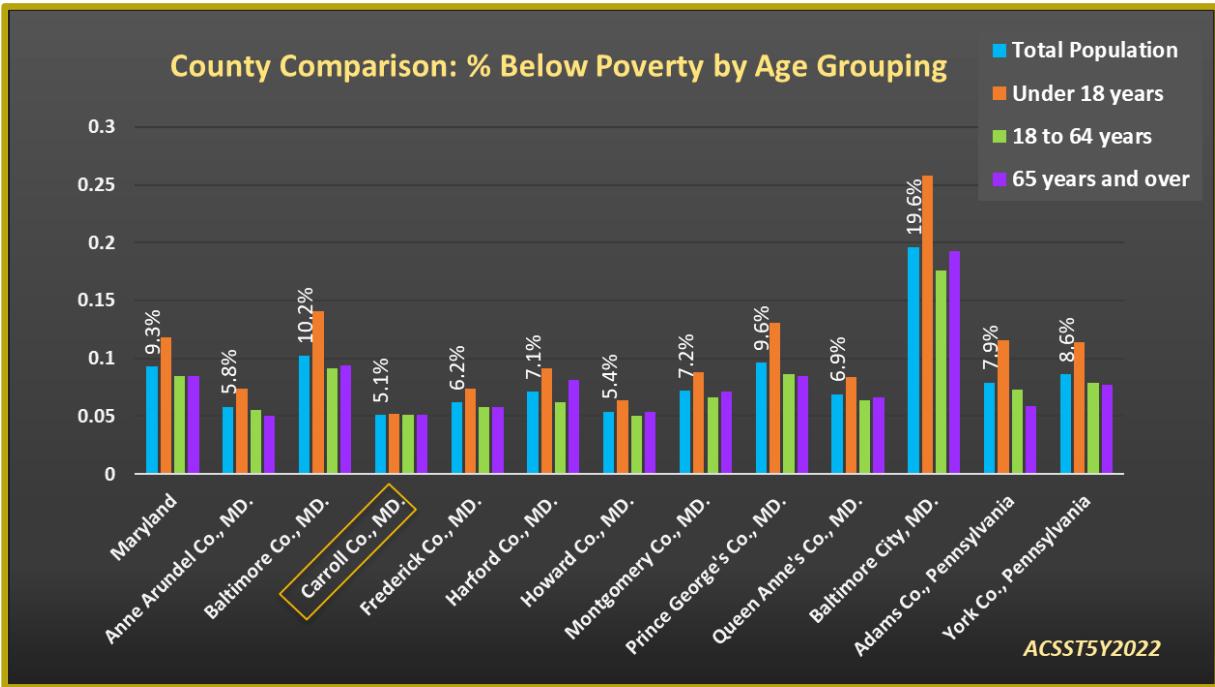


Based on US Census: ACSST5Y2022 Estimates



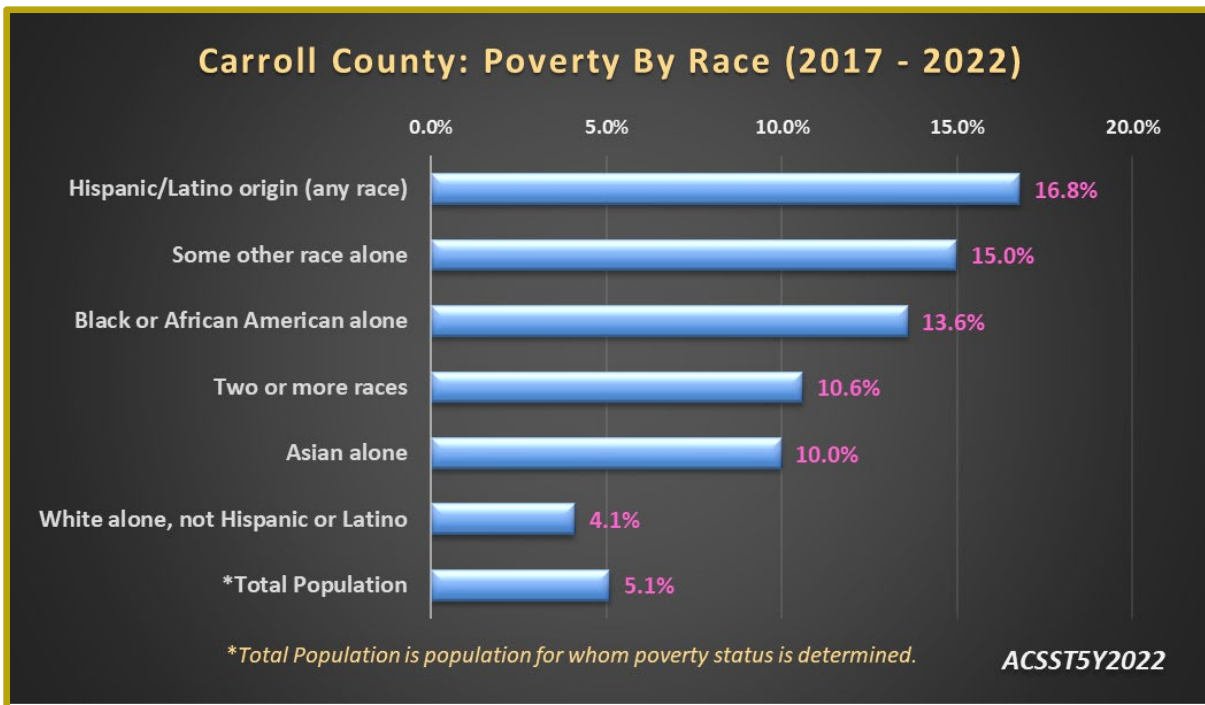
Based on US Census: ACSST5Y2014 Estimates

Chart 44: Poverty by County by Age Group



Based on US Census: ACSST5Y2022 Estimates

Chart 45: Carroll County Poverty Rate by Race Group



Based on US Census: ACSST5Y2022 Estimates

EDUCATION

School Enrollments

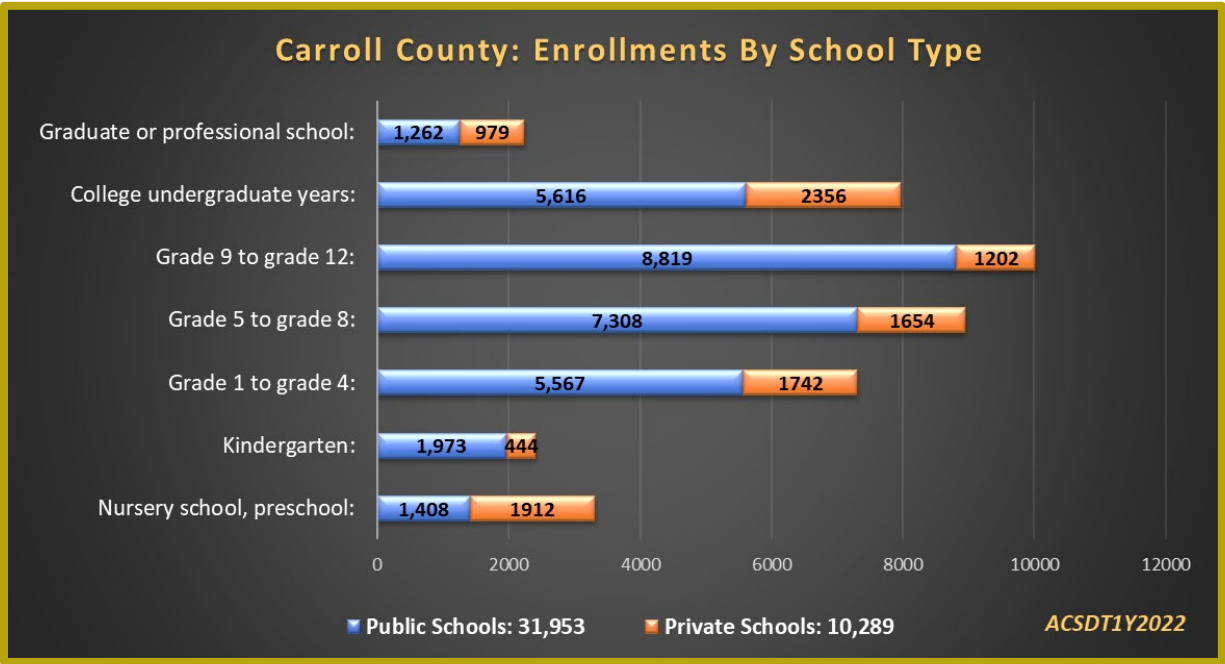
School enrollment in Carroll County in 2022, including preschool through graduate school, was estimated to be 42,242 (ACSD1Y2022). The majority of students, 76%, were enrolled in public schools. The percentage is higher when looking only at kindergarten through 12th grade. Enrollment projections for Grades K-12 indicate an increase of slightly over 9%, to a total of 27,710, by 2032. This type of modest increase is projected for other Marland jurisdictions as well, except for Baltimore City. An examination of educational attainment in Carroll County for residents 25 years and older indicates that the greatest percentage, 28%, are high school graduates, with only 6% not having a diploma. Residents with associate degrees account for 9%, bachelor's degrees 24%, and graduate degrees 15%. These rates are similar to those for the state of Maryland as a whole.

Table 8: Carroll County: School Enrollments (2022)

| <i>ACSD1Y2022</i> | Carroll County, Maryland | | |
|--|--------------------------|----------------|-----------------|
| Label | All Schools Estimate | Public Schools | Private Schools |
| Enrolled in School: | 42,242 | 31,953 | 10,289 |
| Enrolled in nursery school, preschool: | 3,320 | 1,408 | 1,912 |
| Enrolled in kindergarten: | 2,417 | 1,973 | 444 |
| Enrolled in grade 1 to grade 4: | 7,309 | 5,567 | 1,742 |
| Enrolled in grade 5 to grade 8: | 8,962 | 7,308 | 1,654 |
| Enrolled in grade 9 to grade 12: | 10,021 | 8,819 | 1,202 |
| Enrolled in college undergraduate years: | 7,972 | 5,616 | 2,356 |
| Enrolled in graduate or professional | 2,241 | 1,262 | 979 |
| | 42,242 | 31,953 | 10,289 |

Prepared by the Bureau of Comprehensive Planning based on ACSD1Y2022 Estimates

Chart 46: Carroll County School Enrollments (2022)



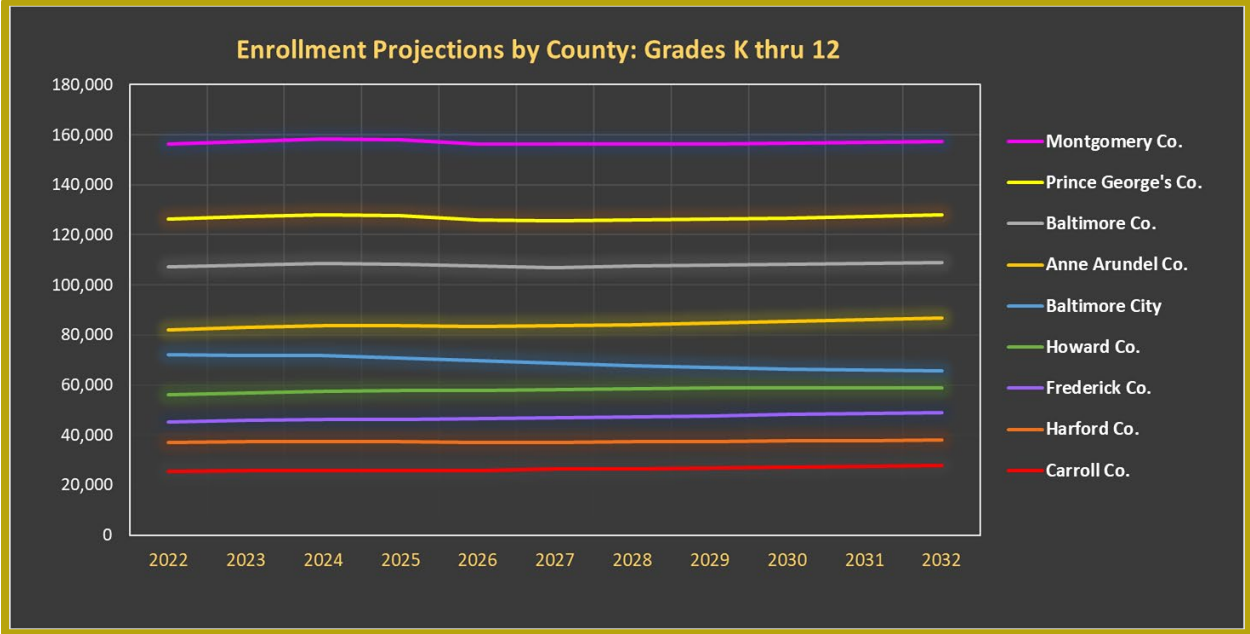
Prepared by the Bureau of Comprehensive Planning based on ACSD1Y2022 Estimates

Table 9: Total Public-School Enrollment (Grades K-12), by Jurisdiction, Actual (2022) & Projected

| | 2022 | 2024 | 2026 | 2028 | 2030 | 2032 | 2022 to 2032 |
|---------------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
| Anne Arundel Co. | 82,058 | 83,660 | 83,320 | 84,080 | 85,340 | 86,750 | 4,692 |
| Baltimore City | 72,228 | 71,810 | 69,690 | 67,760 | 66,450 | 65,580 | -6,648 |
| Baltimore Co. | 107,317 | 108,440 | 107,410 | 107,450 | 108,270 | 108,880 | 1,563 |
| Carroll Co. | 25,344 | 25,670 | 25,900 | 26,630 | 27,240 | 27,710 | 2,366 |
| Frederick Co. | 45,360 | 46,290 | 46,440 | 47,370 | 48,240 | 49,020 | 3,660 |
| Harford Co. | 36,936 | 37,320 | 37,180 | 37,380 | 37,640 | 37,900 | 964 |
| Howard Co. | 56,225 | 57,490 | 57,920 | 58,510 | 58,810 | 58,680 | 2,455 |
| Montgomery Co. | 156,246 | 158,390 | 156,380 | 156,260 | 156,730 | 157,420 | 1,174 |
| Prince George's Co. | 126,319 | 128,080 | 126,010 | 125,880 | 126,730 | 127,830 | 1,511 |

Source: Maryland Department of Education (2023). Projections (2023-2032) prepared by the Maryland Department of Planning

Chart 47: Total Public-School Enrollment (Grades K-12), by Jurisdiction, Actual (2022) & Projected



Source: Maryland Department of Education (2023).
 Projections (2023-2032) prepared by the Maryland Department of Planning.
https://planning.maryland.gov/MSDC/Pages/census/school_enrollment/schoolenrollmentprojection.aspx

In addition, the Carroll County Career and Technology Center provides secondary education and training in the application of knowledge and use of technology in a variety of academic and professional fields including pharmacy tech, auto service, biomedical science, carpentry, cosmetology, criminal justice, engineering, drafting, drone technology, etc. Completion of career and technology education at the center attains a high school degree or equivalent and includes proficiency programs or post-secondary certificate programs in various fields. College

For post-secondary education, Carroll County has two colleges: Carroll Community College (Fall 2022 Enrollment: 2891) and McDaniel College (Fall 2022 Enrollment: 3000). Carroll Community College offers various undergraduate majors including liberal arts, science studies, humanities, nursing, business, criminal justice, psychology, social work, law enforcement, education, architectural drafting, etc. and offers two-year degree and certificate programs in various areas of study. McDaniel College offers 2-year, 4-year and post graduate degrees in a variety of disciplines including education, psychology, business administration and management, physical education, biological sciences, etc.

Table 10: Carroll Community College

| Carroll Community College | | | |
|--------------------------------------|-------|--------------------------------|-----|
| Fall 2022 | | Student Race/ethnicity: | |
| Total enrollment (all undergraduate) | 2,891 | White: | 78% |
| Undergraduate transfer-in enrollment | 169 | Black or African American: | 5% |
| Attendance Status: | | Asian: | 4% |
| Full-time: | 30% | Hispanic/Latino: | 7% |
| Part-time: | 70% | Two or more races: | 5% |
| Male: | 41% | Race/ethnicity unknown: | 1% |
| Female: | 59% | | |

Table 11: McDaniel College

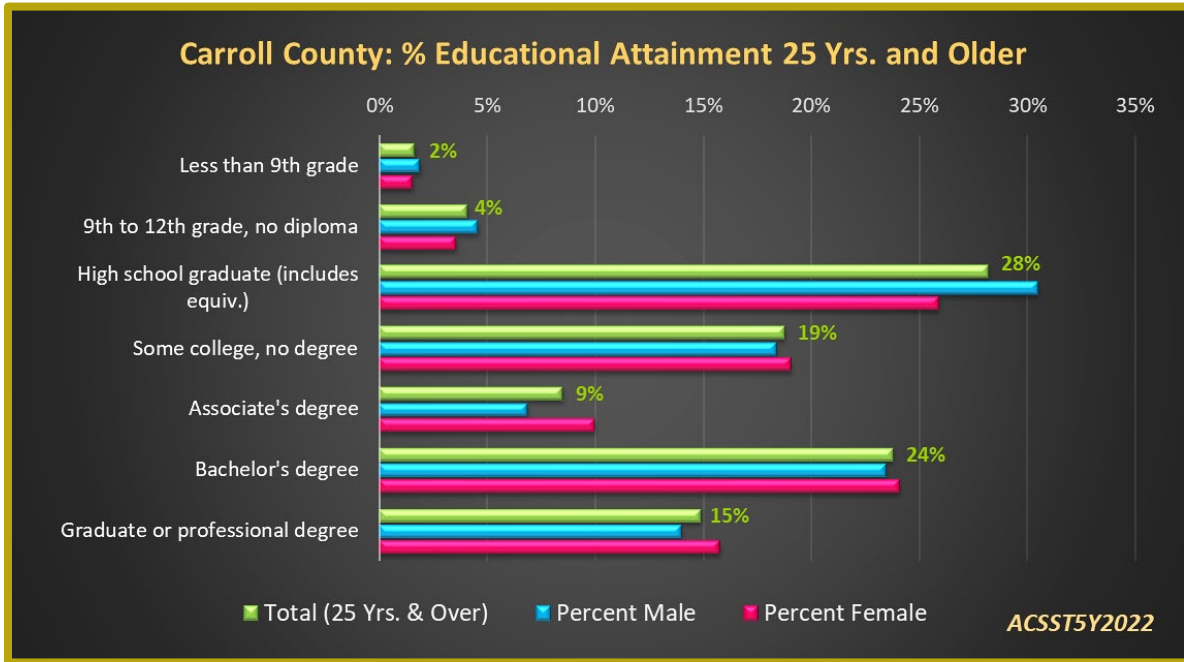
| McDaniel Carroll Community College | | | |
|---|--------------|--------------------------------|-----|
| Fall 2022 | | Student Race/ethnicity: | |
| Total enrollment | 3,000 | White: | 54% |
| Undergraduate enrollment | 1,766 | Black or African American: | 25% |
| <i>Undergraduate transfer-in enrollment</i> | 44 | Asian: | 2% |
| Graduate enrollment | 1,234 | Hispanic/Latino: | 10% |
| Attendance Status: | | Two or more races: | 5% |
| Full-time: | 98% | Race/ethnicity unknown: | 3% |
| Part-time: | 2% | US Nonresident: | 2% |
| Male: | 41% | | |
| Female: | 59% | | |

Tables 11 & 12: Based on data provided by the NCES: National College Center for Education Statistics; <https://nces.ed.gov/collegenavigator/>

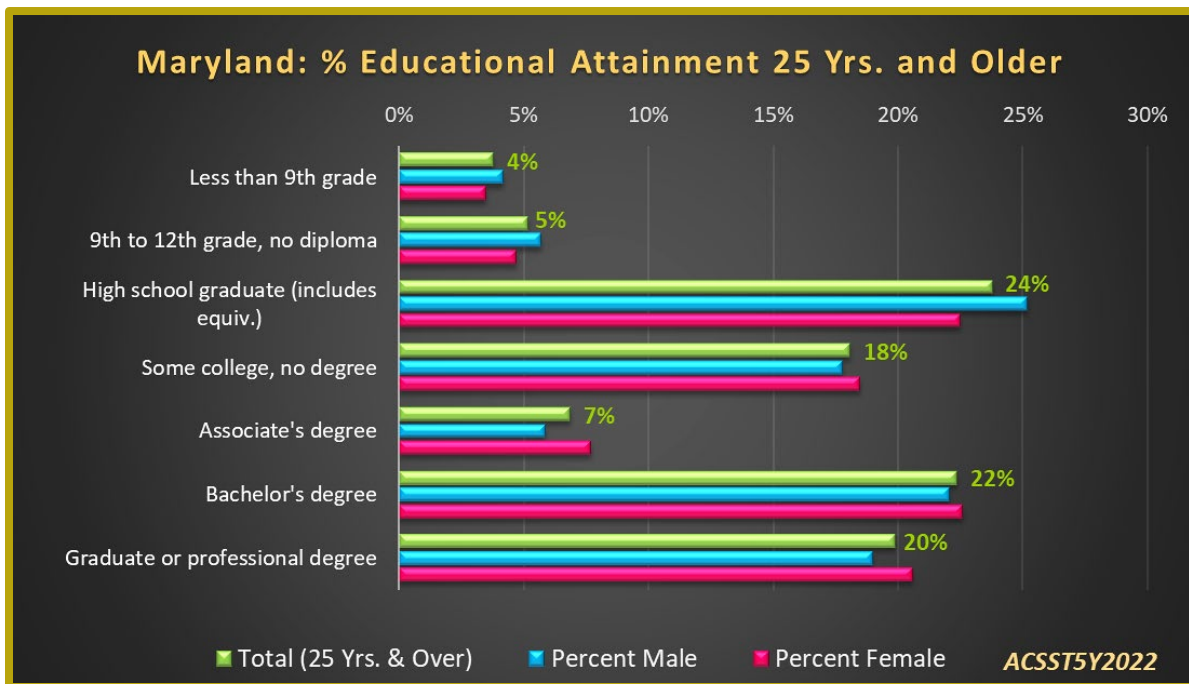
Both of the county's two higher education institutions are located in Westminster. Together, they account for nearly 6,000 students. However, there are a few differences in the student population that are noteworthy. The first is that more than 2/3 of the students at Carroll Community College are part-time and likely also working while they are in school, while nearly all of the students at McDaniel are full-time students. The other difference is in the racial diversity at each institution. Nearly 8 out of 10 students at Carroll Community College are white, while only slightly more than half of the student body at McDaniel are white. This may reflect the fact that students at McDaniel come from many other states and countries, while the Carroll Community College student body more closely mirrors the county's own racial makeup.

Degree Attainment

Chart 48: Educational Attainment 25 Yrs. and Older: Carroll County vs Maryland

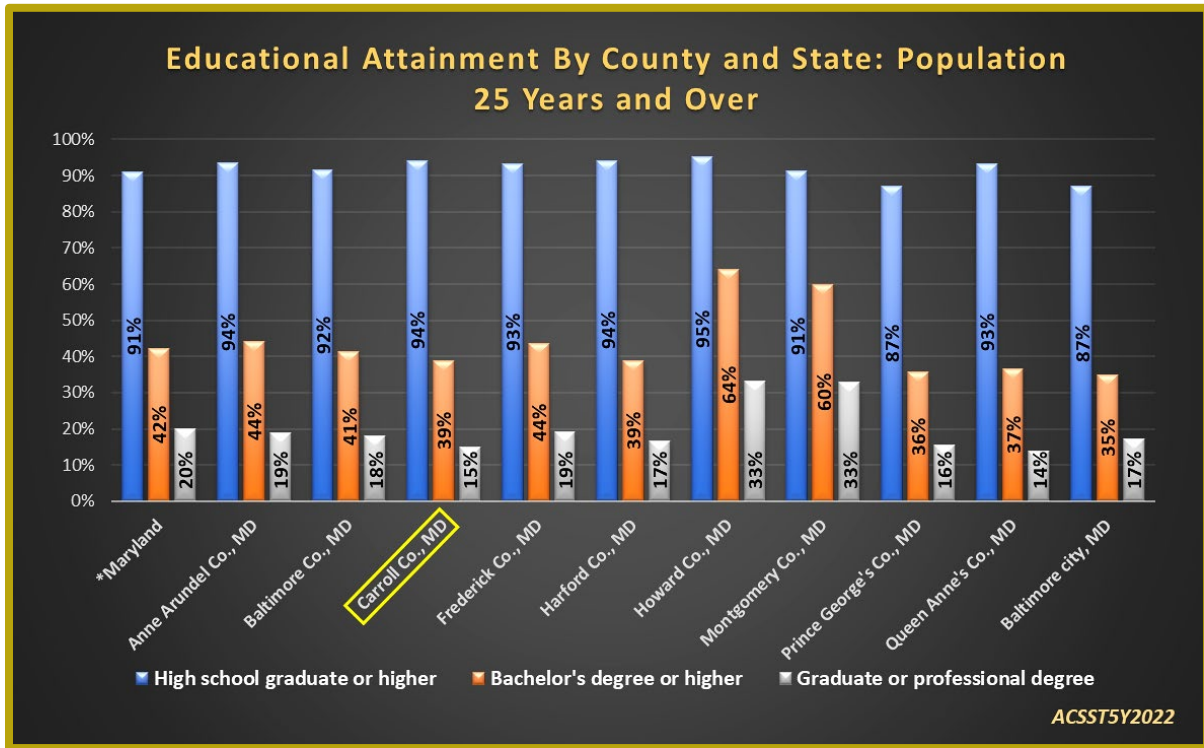


Prepared by the Bureau of Comprehensive Planning based on ACSD1Y2022 Estimates



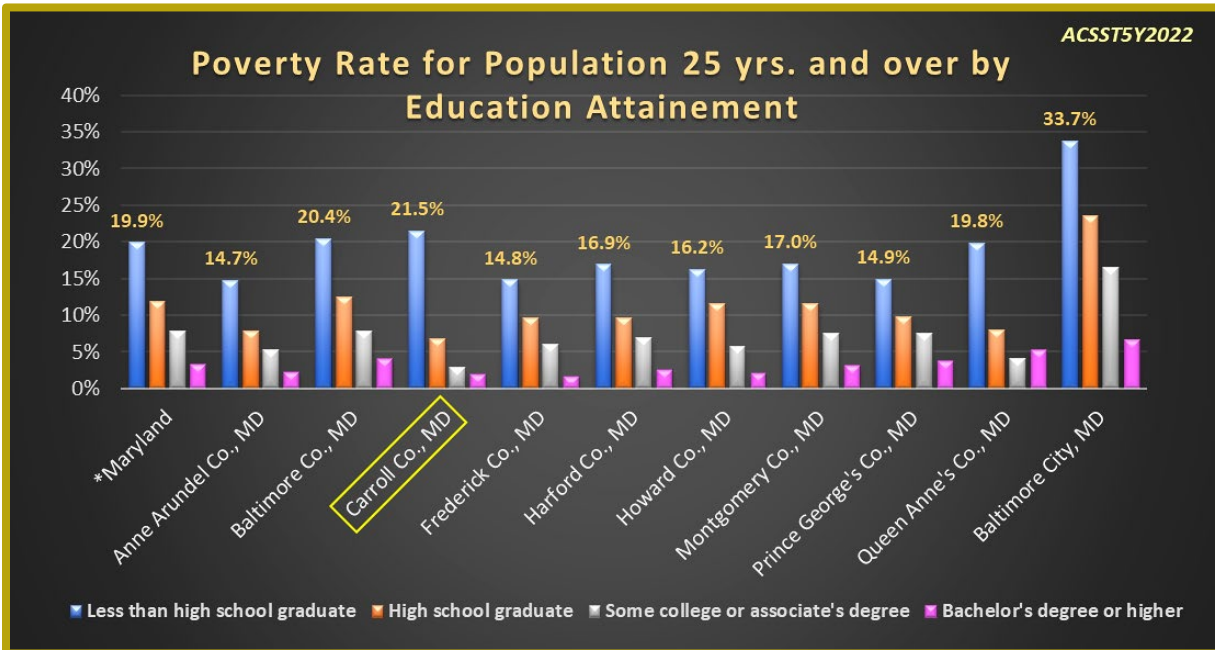
Prepared by the Bureau of Comprehensive Planning based on ACSD1Y2022 Estimates

Chart 49: Educational Attainment 25 Yrs. and Older by County



Prepared by the Bureau of Comprehensive Planning based on ACS1Y2022 Estimates

Chart 50: Poverty Rate by Educational Attainment



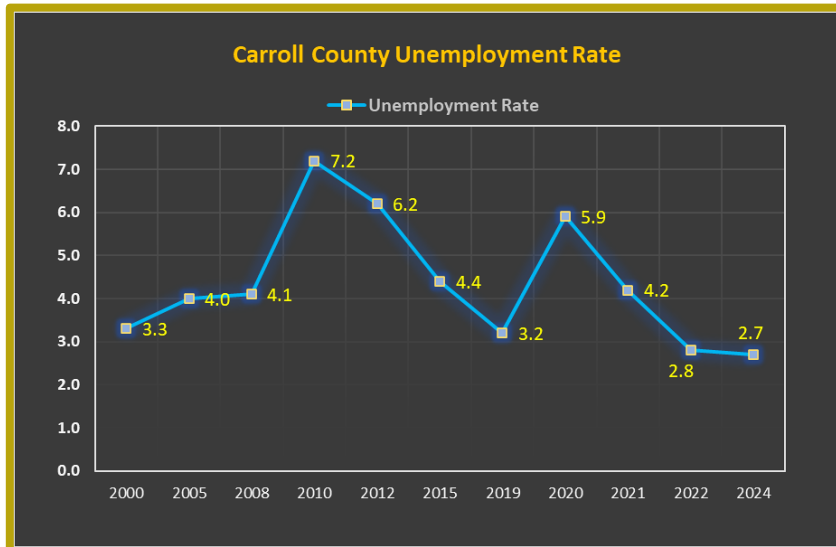
Prepared by the Bureau of Comprehensive Planning based on ACS1Y2022 Estimates

ECONOMIC DEVELOPMENT

Employment

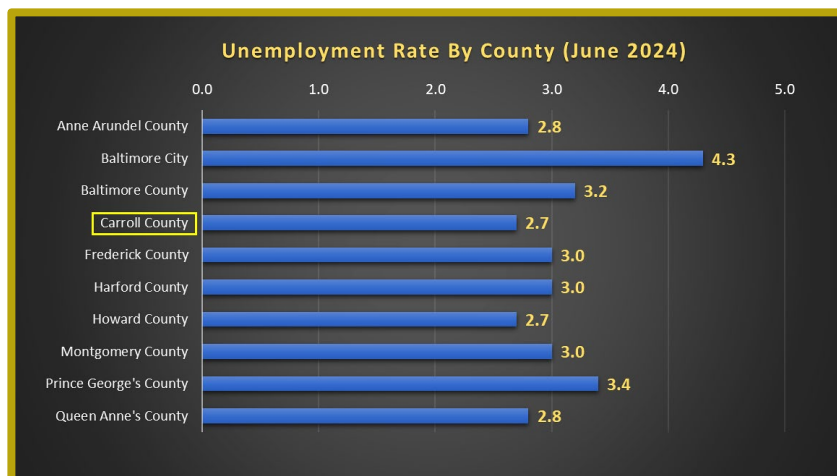
The unemployment rate in Carroll County is at its lowest point in the past 14 years, at 2.7%. Along with Howard County, it is the lowest among the surrounding jurisdictions.

Chart 51: Carroll County Unemployment Rate: Year 2000 to Present



Bureau of Labor Statistics (BLS); Local Area Unemployment Statistics (LAUS)

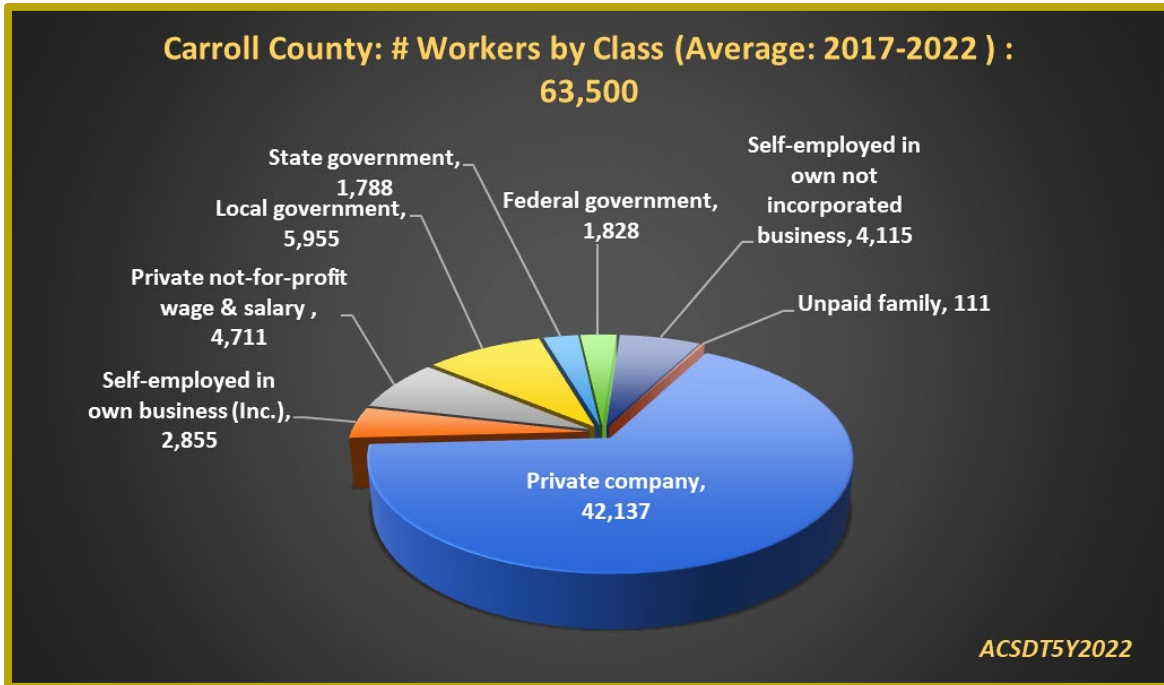
Chart 52: Current Unemployment Rate by County (June 2024)



Bureau of Labor Statistics (BLS);

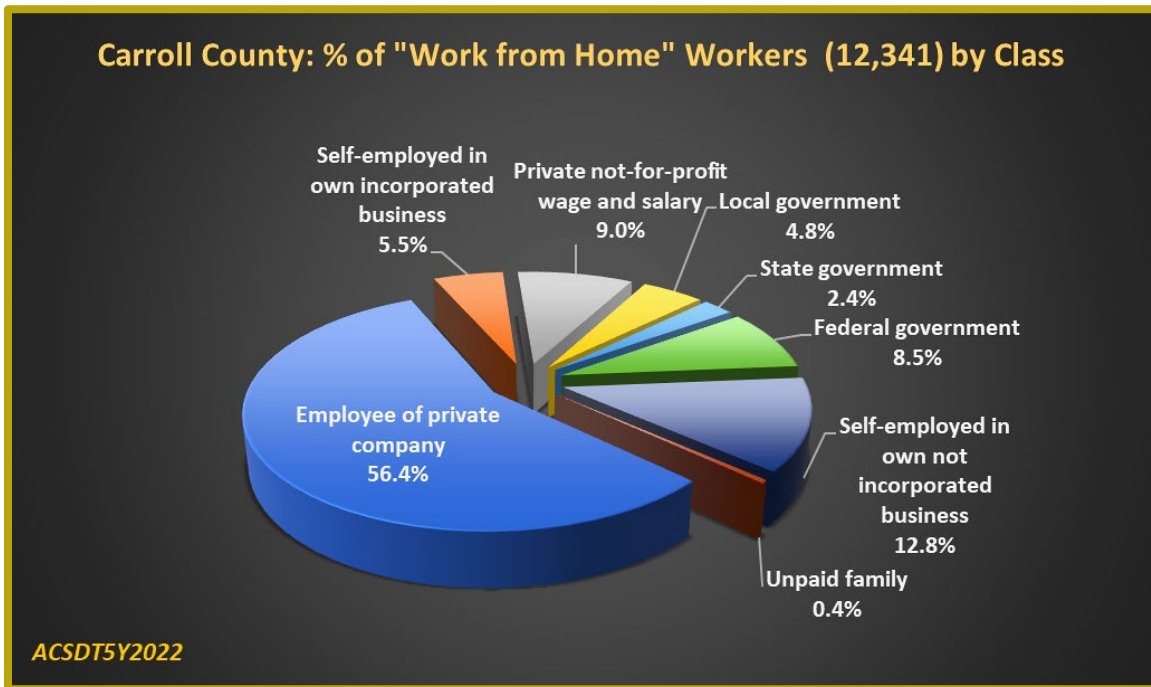
There are 63,500 workers in Carroll County, in a variety of sectors. The majority of County workers, 66% are employed in the private sector, with the next highest percentage, 9.4% working for local government. Almost one-fifth of all workers "work from home" in some capacity.

Chart 53: Carroll County: Class of Workers (2017 – 2022)



American Community Survey, ACS 5-Year Estimates Detailed Tables (ACSDT5Y2022), Table B08528

Chart 54: Carroll County: Class of "Work from Home" Workers by Percentage

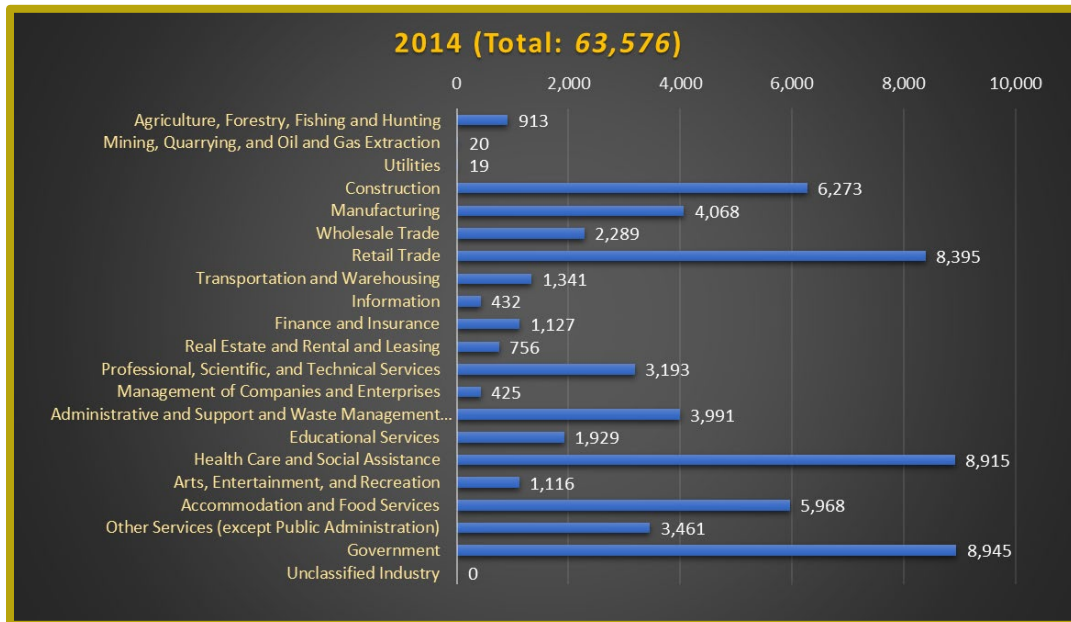
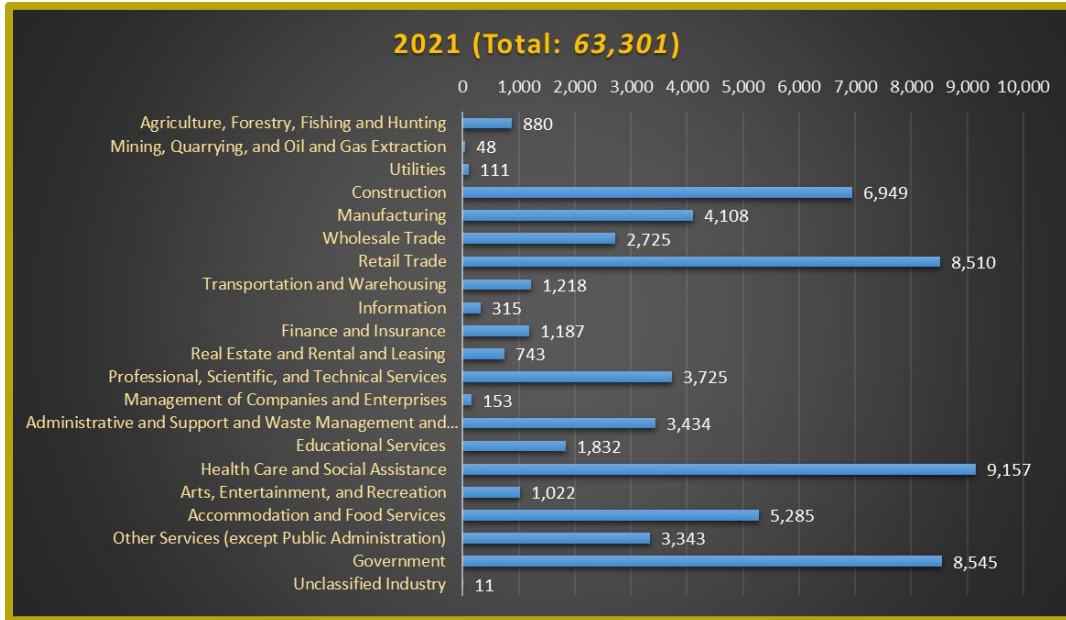


American Community Survey, ACS 5-Year Estimates Detailed Tables (ACSDT5Y2022), Table B08528

Jobs by Industry (2020)

In 2021, the greatest number of jobs were in health care and social assistance, government, retail trade, and construction. This has remained relatively unchanged since 2014, with a slight decrease in the government category.

Chart 55: Carroll County # of Jobs by Industry: 2021 vs 2014



"All Industries in Carroll County, MD"; (2014-2021); Lightcast Q2 2022 Data Set; Baltimore Metropolitan Council: July 2022 Data Run: 2022.2 - QCEW Employees, Non-QCEW Employees, and Self-Employed

Table 12: Carroll County # of Jobs by Industry: 2014 to 2021

| NAICS | Description | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2014 to 2021 Change |
|-------|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------------|
| 11 | Agriculture, Forestry, Fishing and Hunting | 913 | 970 | 1,073 | 1,244 | 1,142 | 996 | 868 | 880 | -34 |
| 21 | Mining, Quarrying, and Oil and Gas Extraction | 20 | 45 | 23 | 41 | 33 | 50 | 50 | 48 | 29 |
| 22 | Utilities | 19 | <10 | <10 | <10 | 29 | 108 | 117 | 111 | 92 |
| 23 | Construction | 6,273 | 6,461 | 7,033 | 7,034 | 6,785 | 7,188 | 6,933 | 6,949 | 675 |
| 31 | Manufacturing | 4,068 | 3,927 | 3,886 | 3,999 | 3,945 | 4,093 | 4,068 | 4,108 | 40 |
| 42 | Wholesale Trade | 2,289 | 2,550 | 2,562 | 2,624 | 2,838 | 2,902 | 2,804 | 2,725 | 436 |
| 44 | Retail Trade | 8,395 | 8,714 | 8,900 | 9,023 | 8,911 | 8,362 | 8,173 | 8,510 | 115 |
| 48 | Transportation and Warehousing | 1,341 | 1,175 | 1,185 | 1,264 | 1,397 | 1,332 | 1,103 | 1,218 | -124 |
| 51 | Information | 432 | 360 | 341 | 335 | 323 | 314 | 340 | 315 | -117 |
| 52 | Finance and Insurance | 1,127 | 1,131 | 1,284 | 1,328 | 1,244 | 1,299 | 1,270 | 1,187 | 60 |
| 53 | Real Estate and Rental and Leasing | 756 | 617 | 703 | 754 | 765 | 743 | 731 | 743 | -12 |
| 54 | Professional, Scientific, and Technical Services | 3,193 | 3,415 | 3,528 | 3,688 | 3,358 | 3,465 | 3,525 | 3,725 | 532 |
| 55 | Management of Companies and Enterprises | 425 | 256 | 179 | 168 | 117 | 113 | 105 | 153 | -272 |
| 56 | Administrative and Support and Waste Management | 3,991 | 4,149 | 4,280 | 4,236 | 3,483 | 3,570 | 3,336 | 3,434 | -557 |
| 61 | Educational Services | 1,929 | 1,911 | 1,936 | 1,889 | 1,940 | 1,958 | 1,849 | 1,832 | -97 |
| 62 | Health Care and Social Assistance | 8,915 | 9,089 | 9,152 | 9,374 | 9,707 | 9,717 | 9,143 | 9,157 | 242 |
| 71 | Arts, Entertainment, and Recreation | 1,116 | 1,125 | 1,152 | 1,144 | 1,234 | 1,274 | 948 | 1,022 | -94 |
| 72 | Accommodation and Food Services | 5,968 | 5,979 | 6,005 | 6,119 | 6,284 | 6,347 | 5,007 | 5,285 | -683 |
| 81 | Other Services (except Public Administration) | 3,461 | 3,411 | 3,485 | 3,484 | 3,571 | 3,577 | 3,247 | 3,343 | -118 |
| 90 | Government | 8,945 | 8,943 | 8,856 | 8,797 | 8,808 | 8,832 | 8,485 | 8,545 | -400 |
| 99 | Unclassified Industry | 0 | 0 | 0 | 0 | 0 | <10 | 0 | 11 | 11 |
| | Total | 63,576 | 64,228 | 65,567 | 66,552 | 65,915 | 66,242 | 62,104 | 63,301 | -275 |

"All Industries in Carroll County, MD"; (2014-2021); Lightcast Q2 2022 Data Set; Baltimore Metropolitan Council: July 2022 Data Run: 2022.2 - QCEW Employees, Non-QCEW Employees, and Self-Employed. *There is some slight discrepancy because of rounding numbers to the nearest integer.

Table 13: Carroll County: Major Employers

| Carroll County: Major Employers |
|---|
| Advanced Thermal Batteries |
| ARC of Carroll County |
| BB&T |
| C. J. Miller, LLC |
| Carroll Community College |
| Carroll County Commissioners |
| Carroll County Public Schools |
| Carroll Hospital - Lifebridge Health Center |
| Carroll Lutheran Village |
| English American Tailoring Co. |
| Evapco, Inc. |
| Flowserve Corporation |
| FR Conversions |
| Fuchs North America |
| Integrace - Fairhaven |
| Knorr Brake Company |
| Lehigh Cement Company |
| Longview Nursing Home, Inc. |
| Lorien - Mt. Airy |
| McDaniel College |
| Northrop Grumman |
| Penguin Random House |
| Performance Food Group |
| S. H. Tevis & Sons / Modern Comfort |
| Springfield Hospital Center |
| Stanley / Black & Decker, Inc. |
| Taney Corporation |

Carroll County Department of Economic Development (2024), <https://carrollbiz.org/major-employers/>

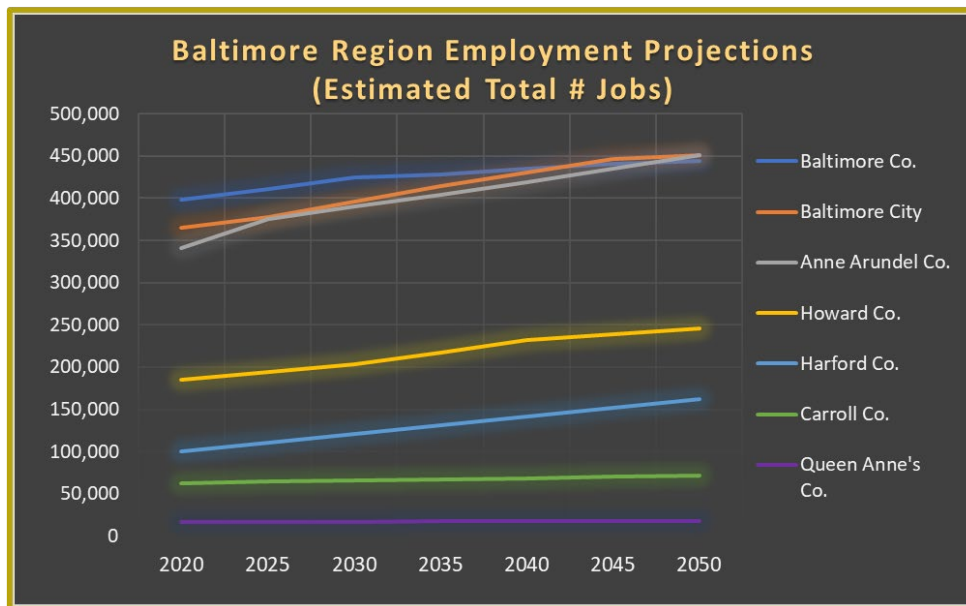
Jobs Projections

Carroll County is expected to have a total of 71,789 jobs in 2050, an increase of 14.3% from 2020. This is considerably less than the expected 25.5% job growth in the Baltimore region.

Table 14: Employment Projections: Estimated Total # Jobs (Round 10)

| JURISDICTION | 2020 | 2025 | 2030 | 2035 | 2040 | 2045 | 2050 |
|-------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Anne Arundel Co. | 340,555 | 375,489 | 389,833 | 404,256 | 419,012 | 434,725 | 451,505 |
| Baltimore City | 365,047 | 377,443 | 396,188 | 413,808 | 430,379 | 446,685 | 450,996 |
| Baltimore Co. | 398,693 | 411,260 | 425,058 | 428,306 | 434,620 | 441,159 | 444,251 |
| Carroll Co. | 62,814 | 64,313 | 65,821 | 67,319 | 68,809 | 70,290 | 71,789 |
| Harford Co. | 100,748 | 110,606 | 120,560 | 130,808 | 141,273 | 151,868 | 162,499 |
| Howard Co. | 185,600 | 193,976 | 203,284 | 217,619 | 231,970 | 238,935 | 245,600 |
| Queen Anne's Co. | 16,562 | 16,775 | 17,125 | 17,250 | 17,375 | 17,525 | 17,700 |
| Baltimore Region | 1,470,019 | 1,549,862 | 1,617,869 | 1,679,367 | 1,743,438 | 1,801,187 | 1,844,339 |

Chart 56: Baltimore Region Employment Projections



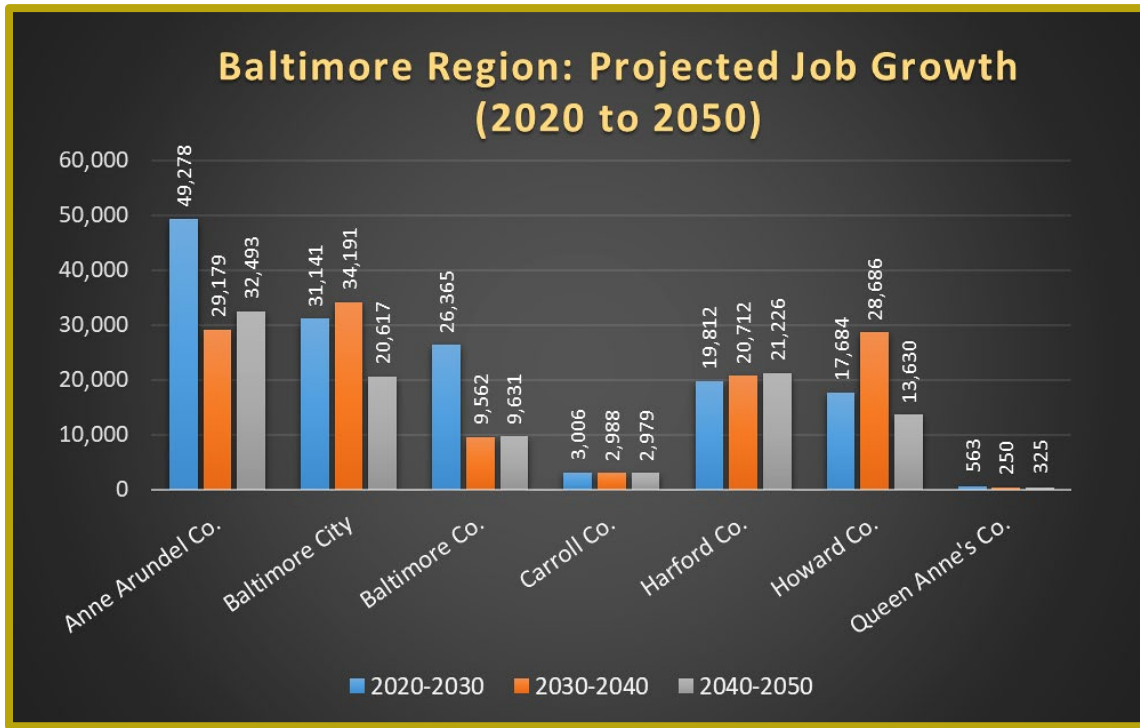
Note: Forecasts endorsed by the Baltimore Regional Transportation Board on July 15, 2022.
Source: Local jurisdictions; Cooperative Forecasting Group.

Table 15: Baltimore Region: Projected Job Growth (# of Jobs Added)

| JURISDICTION | 2020-2030 | 2030-2040 | 2040-2050 | 2020-2050 | 2020-2030 | 2030-2040 | 2040-2050 | 2020-2050 |
|-------------------------|----------------|----------------|----------------|----------------|--------------|-------------|-------------|--------------|
| Anne Arundel Co. | 49,278 | 29,179 | 32,493 | 110,950 | 14.5% | 7.5% | 7.8% | 32.6% |
| Baltimore City | 31,141 | 34,191 | 20,617 | 85,949 | 8.5% | 8.6% | 4.8% | 23.5% |
| Baltimore Co. | 26,365 | 9,562 | 9,631 | 45,558 | 6.6% | 2.2% | 2.2% | 11.4% |
| Carroll Co. | 3,006 | 2,988 | 2,979 | 8,974 | 4.8% | 4.5% | 4.3% | 14.3% |
| Harford Co. | 19,812 | 20,712 | 21,226 | 61,751 | 19.7% | 17.2% | 15.0% | 61.3% |
| Howard Co. | 17,684 | 28,686 | 13,630 | 60,000 | 9.5% | 14.1% | 5.9% | 32.3% |
| Queen Anne's Co. | 563 | 250 | 325 | 1,138 | 3.4% | 1.5% | 1.9% | 6.9% |
| Baltimore Region | 147,850 | 125,568 | 100,902 | 374,320 | 10.1% | 7.8% | 5.8% | 25.5% |

Source: Cooperative Forecasting Group; Baltimore Metropolitan Council. *Includes Self Employment

Chart 57: Baltimore Region Projected Job Growth



Source: Cooperative Forecasting Group; Baltimore Metropolitan Council. *Includes Self Employment

Job Wages

As of 2024, there were 4,566 firms located in Carroll County, employing 57,801 people. Wages paid by these firms are highest for workers in the federal government, financial activities, information, and manufacturing sectors.

Table 16: Carroll County #Firms and Job Wages by Job Category

| SECTOR | # OF FIRMS | % OF TOTAL | # OF EMPLOYEES | % OF TOTAL | AVERAGE WEEKLY WAGE |
|--|--------------|---------------|----------------|--------------|---------------------|
| Total Employment | 4,566 | 100% | 57,801 | 100% | \$1,267 |
| Public Employment | 103 | 2.30% | 8,672 | 15.0% | \$1,604 |
| Federal Gov't | 26 | 0.60% | 789 | 1.4% | \$2,239 |
| State Gov't | 11 | 0.20% | 1,270 | 2.2% | \$1,464 |
| Local Gov't | 64 | 1.40% | 6,613 | 11.4% | \$1,109 |
| Private Employment | 4,463 | 97.70% | 49,129 | 85.0% | \$1,112 |
| <i>Natural Resources & Mining</i> | 51 | 1.10% | 495 | 0.9% | \$844 |
| <i>Construction</i> | 773 | 16.90% | 6,202 | 10.7% | \$1,305 |
| <i>Manufacturing</i> | 148 | 3.20% | 3,945 | 6.8% | \$1,479 |
| <i>Trade, Transportation & Utilities</i> | 792 | 17.30% | 12,269 | 21.2% | \$878 |
| <i>Information</i> | 58 | 1.30% | 240 | 0.4% | \$1,602 |
| <i>Financial Activities</i> | 363 | 8.00% | 1,386 | 2.4% | \$1,918 |
| <i>Professional & Business Services</i> | 938 | 20.50% | 5,811 | 10.1% | \$1,357 |
| <i>Education & Health Services</i> | 548 | 12.00% | 10,076 | 17.4% | \$991 |
| <i>Leisure & Hospitality</i> | 343 | 7.50% | 6,560 | 11.3% | \$435 |
| <i>Other Services</i> | 441 | 9.70% | 2,144 | 3.7% | \$851 |
| <i>Unclassified</i> | 8 | 0% | 1 | 0.0% | \$572 |

Source: <https://carrollbiz.org/demographics/>

NAICS Sectors, Carroll County, Maryland—2023 Annual Averages, All establishment sizes (Does not include Self Employment)

Source: Quarterly Census of Employment and Wages – Bureau of Labor Statistics, Last updated: September 20, 2024