

COUNTYWIDE DATA ANALYTICS

Advisory Social Services Board
April 17, 2024



Countywide Data Analytics Role

Deliver actionable information and insights to optimize resources and enhance decision-making.



Data Quality

Improve data consistency and quality for use and reuse of data assets



Data Management

Incorporate best practices to capture, store and manage data assets



Data Availability

Increase the availability of data, especially sub-county and disaggregated data

Actionable Data: Is data that has been processed to provide information to act upon or insights for decision making



Our Work and Approach

Research

Analysis

Forecasting

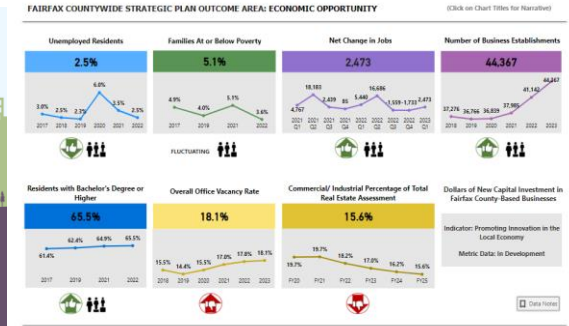
Governance

Consultation

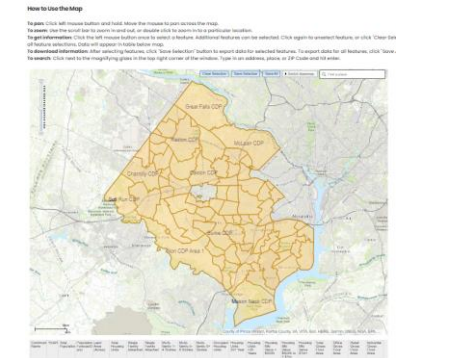
Innovation

Examples of Our Work

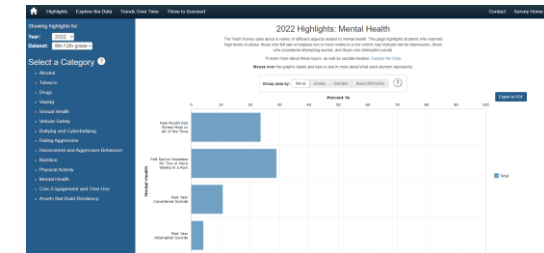
- Asset Inventory
- Community Profiles
- Data Policies and Procedures
- Demographics Report
- Demographic Mapper
- Fairfax County Overview
- Needs Assessment
- Rental Housing Report
- Strategic Plan Dashboards
- Youth Survey



Youth Survey



Asset Name	Description	Agency Name	Responsible Unit	Asset Contact	URL	Data Storage	Database Name
Location Analysis	Location analysis tool for GIS data through ArcGIS. Includes real-time data processing.	Department of Economic Initiatives	Department and Operations	Renee Bryan	https://www.fairfax.gov	Yes	N/A
Adult Protection Services Program Data	Adult Protection Services Case Data Report on a quarterly or monthly basis.	Department of Family Services (DFS)	DFS Adult & Aging Services - Adult Protection Services	Ruthanne, John	https://www.fairfax.gov	Yes	Fairfax
Congregate Program Data	Congregate Program Case Data Report on a quarterly or monthly basis. Includes information on program participation and service utilization.	Department of Family Services (DFS)	Adult & Aging - Adult Services	Ruthanne, John	https://www.fairfax.gov	Yes	Fairfax-HCC
Congregate Needs Program Data	Congregate Needs Program Case Data Report on a quarterly or monthly basis. Includes information on program participation and service utilization.	Department of Family Services (DFS)	Adult & Aging - Adult Services	Ruthanne, John	https://www.fairfax.gov	Yes	Fairfax and ...



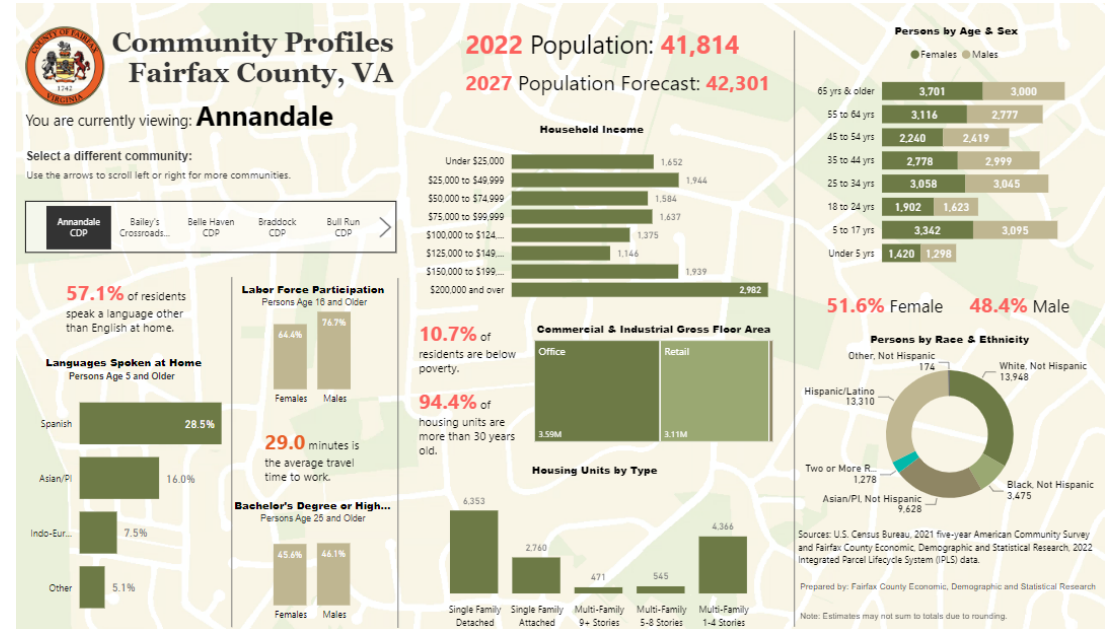
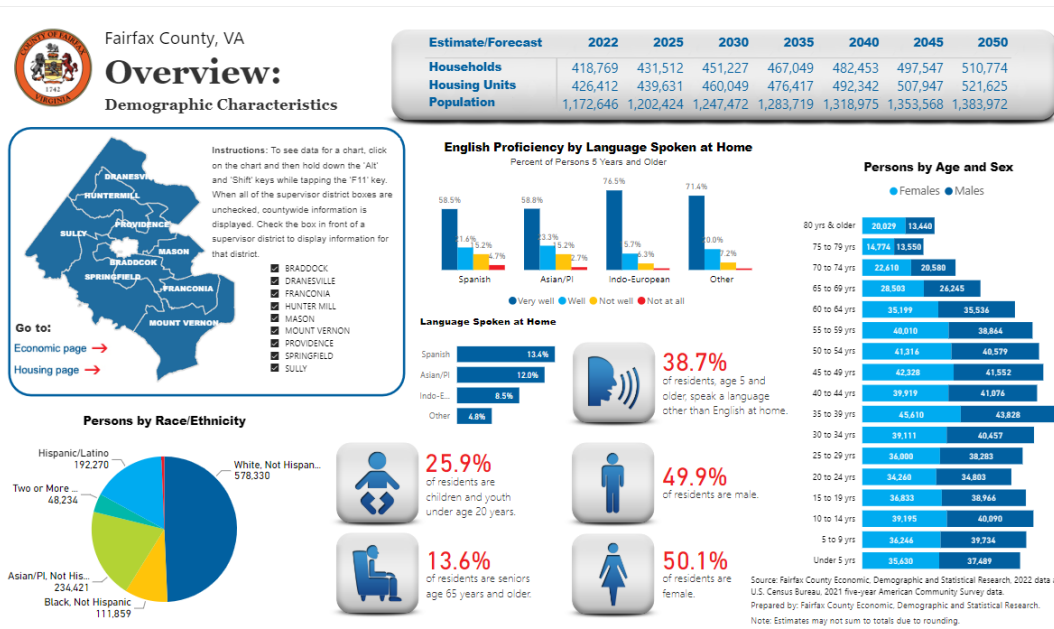
Needs Assessment



Economic, Demographic & Statistical Research

Fairfax County Overview

Community Profiles



Economic, Demographic & Statistical Research

Demographics & Data | Demographics (<https://www.fairfaxcounty.gov/demographics/>)

The screenshot displays the website's navigation and content sections. On the left, the 'Department Resources' menu lists various options, with 'Census Summaries for Fairfax' highlighted by a red box. Below this is the 'Related Resources' section. The main content area features a 'Selected Visualizations' menu with 'Fairfax County Overview' and 'View All Interactives' highlighted by red boxes. To the right, a laptop displays a dashboard with a bar chart and a pie chart. Below the 'Selected Visualizations' menu is a 'Recent Reports' section with a background image of an open book, listing 'Demographic Reports', 'Rental Housing Complex Analysis', 'Underutilized Land Reports', 'Structure Reports', and 'Archived Reports'.

Department Resources

- Home >
- About Us >
- Fairfax County Overview >
- Community Profiles >
- Demographic Mapper >
- Find by Topic >
- Find by Geography >
- Data Visualization Gallery >
- Reports >
- Census Summaries for Fairfax >**
- Guide for Data Users >
- Research Tools >
- Glossary of Terms >
- Archives >

Related Resources

- Fairfax County Open Geospatial Data >
- Explore Census Data >
- Maps & GIS >
- Planning & Zoning >
- Countywide Data Analytics >
- Management and Budget >

Selected Visualizations

- Fairfax County Overview >**
- Community Profiles >**
- Demographic Mapper >
- A Look to the Past >
- Commuting Patterns >
- Older Residents >
- For Rent >
- View All Interactives >**

Recent Reports

- Demographic Reports >
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Economic, Demographic & Statistical Research

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Department Resources

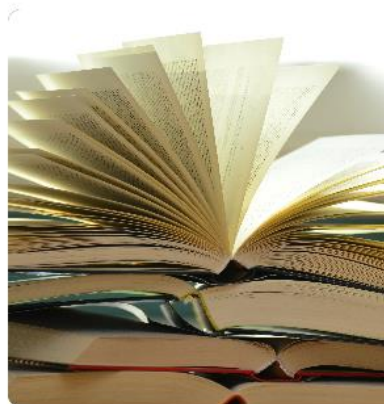
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Overview:

Demographic Characteristics

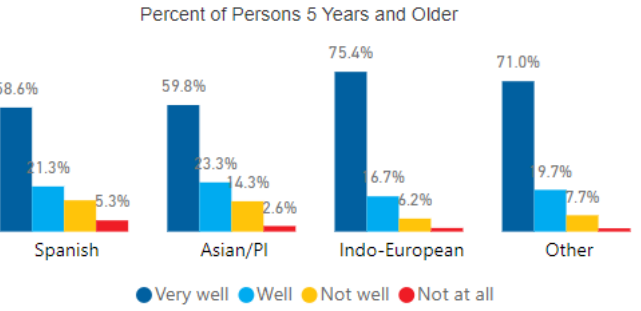
Estimate/Forecast	2023	2025	2030	2035	2040	2045	2050
Households	422,864	429,500	446,142	461,826	476,652	491,772	506,823
Housing Units	432,550	439,458	456,803	473,140	488,583	504,337	520,016
Population	1,185,980	1,200,858	1,241,327	1,277,458	1,311,213	1,345,563	1,379,986

Instructions: To see data for a chart, click on the chart and then hold down the 'Alt' and 'Shift' keys while tapping the 'F11' key. When all of the supervisor district boxes are unchecked, countywide information is displayed. Check the box in front of a supervisor district to display information for that district.

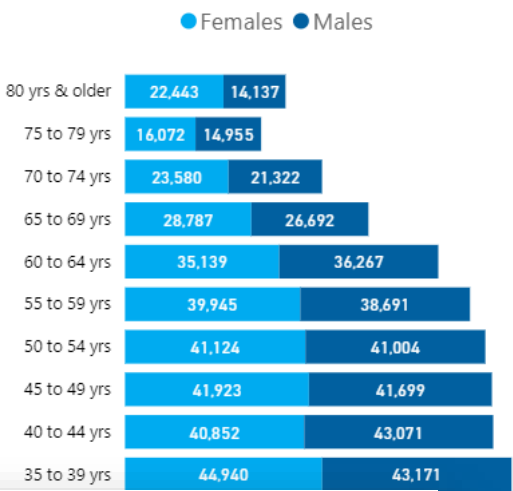
- BRADDOCK
- DRANESVILLE
- FRANCONIA
- HUNTER MILL
- MASON
- MOUNT VERNON
- PROVIDENCE
- SPRINGFIELD
- SULLY

Go to:
[Economic page](#) →
[Housing page](#) →

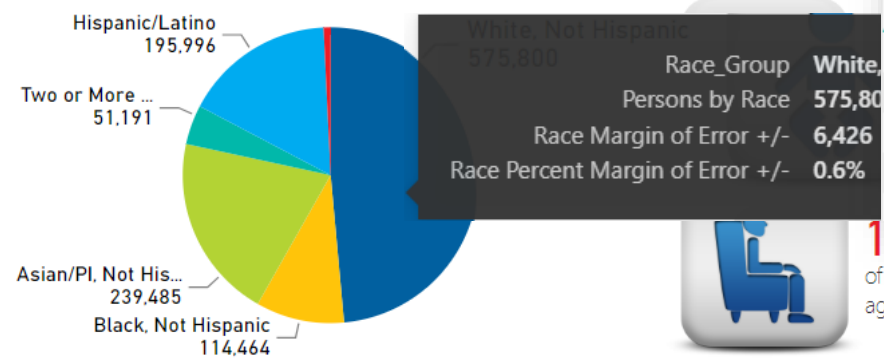
English Proficiency by Language Spoken at Home



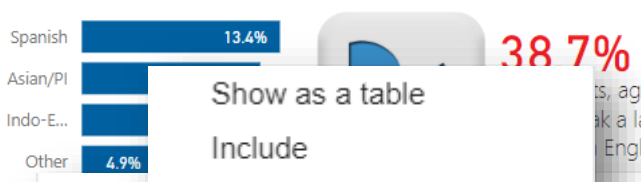
Persons by Age and Sex



Persons by Race/Ethnicity



Language Spoken at Home



Language	Language Percent	Margin of Error +/-
Spanish	13.4%	0.4%
Asian/PI	12.0%	0.3%
Indo-European	8.5%	0.3%
Other	4.9%	0.2%



Source: Fairfax County Economic, Demographic and Statistical Research, 2023 data and U.S. Census Bureau, 2022 five-year American Community Survey data.

Prepared by: Fairfax County Economic, Demographic and Statistical Research.

Note: Estimates may not sum to totals due to rounding.



Overview:

Demographic Characteristics

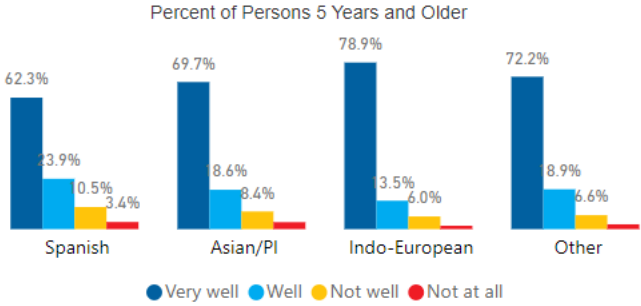
Estimate/Forecast	2023	2025	2030	2035	2040	2045	2050
Households	53,978	55,392	59,091	63,609	68,126	72,755	77,263
Housing Units	55,188	56,647	60,462	65,117	69,771	74,540	79,186
Population	137,636	140,652	149,349	158,630	167,483	176,552	185,393

Instructions: To see data for a chart, click on the chart and then hold down the 'Alt' and 'Shift' keys while tapping the 'F11' key. When all of the supervisor district boxes are unchecked, countywide information is displayed. Check the box in front of a supervisor district to display information for that district.

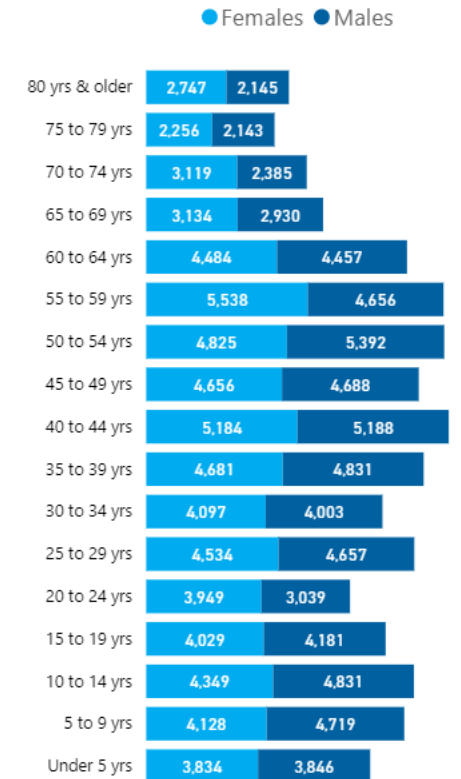
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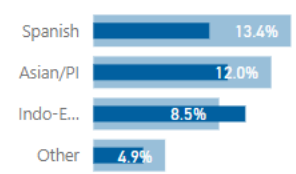
English Proficiency by Language Spoken at Home



Persons by Age and Sex

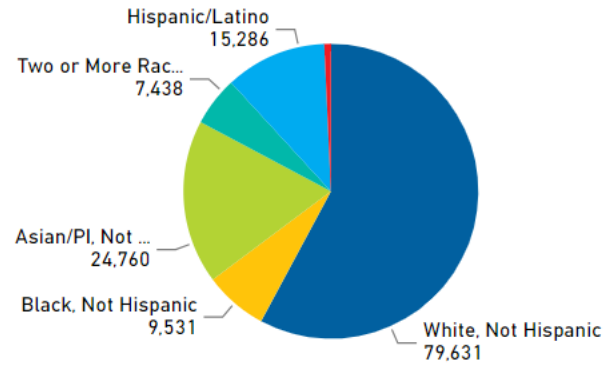


Language Spoken at Home



30.6% of residents, age 5 and older, speak a language other than English at home.

Persons by Race/Ethnicity



24.6% of residents are children and youth under age 20 years.

49.5% of residents are male.

15.2% of residents are seniors age 65 years and older.

50.5% of residents are female.

Source: Fairfax County Economic, Demographic and Statistical Research, 2023 data and U.S. Census Bureau, 2022 five-year American Community Survey data.

Prepared by: Fairfax County Economic, Demographic and Statistical Research.

Note: Estimates may not sum to totals due to rounding.



Overview:

Economic Characteristics

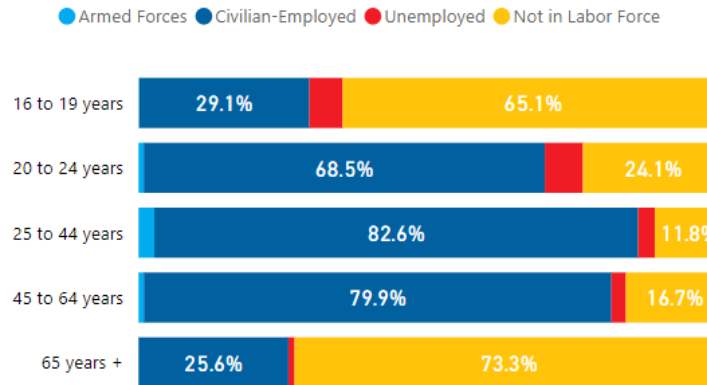
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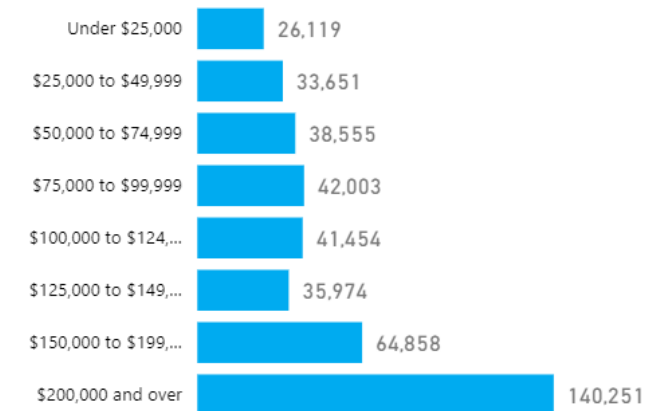
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Go to:
 Demographic page →
 Housing page →

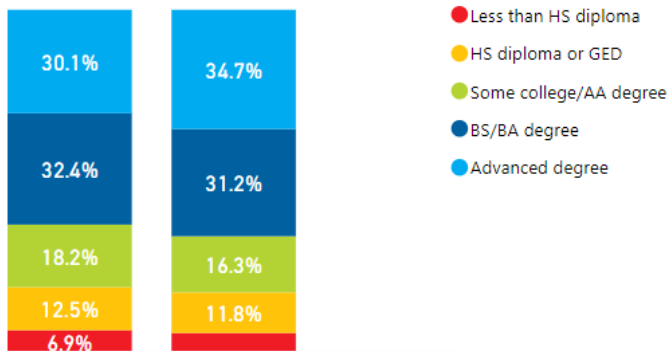
Employment Status, Age 16 Years and Older



Households by Income Range



Educational Attainment, Age 25 Years and Older



76.0%
of women age 20 to 64 years are employed.



3.2%
of women age 20 to 64 years are unemployed.

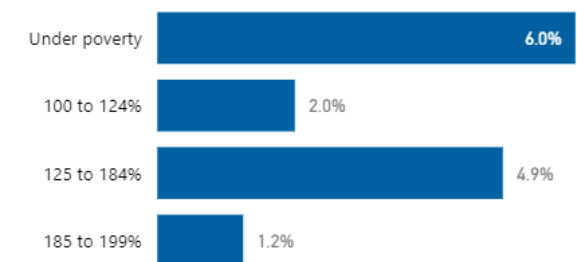


87.4%
of men age 20 to 64 years are employed.



3.0%
of men age 20 to 64 years are unemployed.

Percent of Persons by Poverty Ratio



Source: Fairfax County Economic, Demographic and Statistical Research, 2023 data and U.S. Census Bureau, 2022 five-year American Community Survey data



Overview:

Economic Characteristics

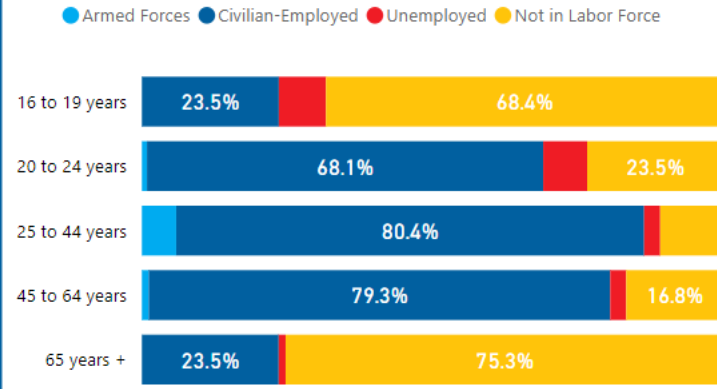
Estimate/Forecast	2023	2025	2030	2035	2040	2045	2050
Households	46,165	46,626	47,945	49,428	50,893	52,405	53,920
Housing Units	47,314	47,791	49,155	50,695	52,221	53,793	55,369
Population	129,598	130,710	134,048	138,112	142,175	146,373	150,574

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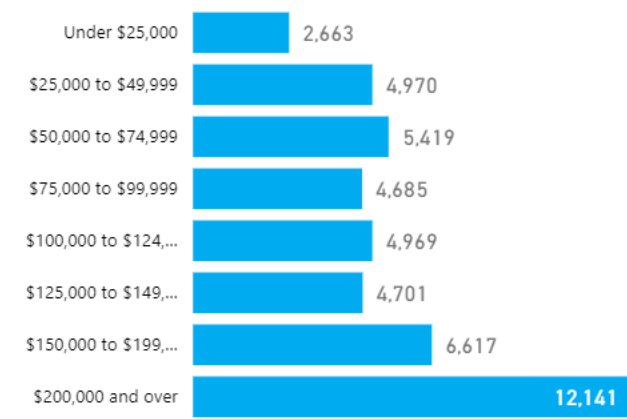
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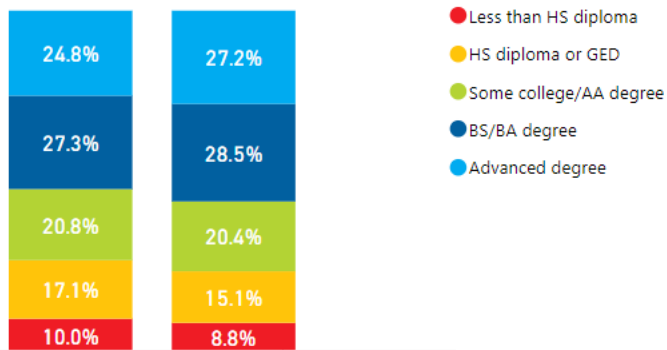
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Educational Attainment, Age 25 Years and Older



77.4% of women age 20 to 64 years are employed.



2.9% of women age 20 to 64 years are unemployed.

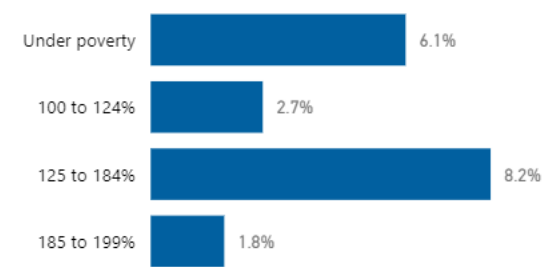


86.8% of men age 20 to 64 years are employed.



3.5% of men age 20 to 64 years are unemployed.

Percent of Persons by Poverty Ratio



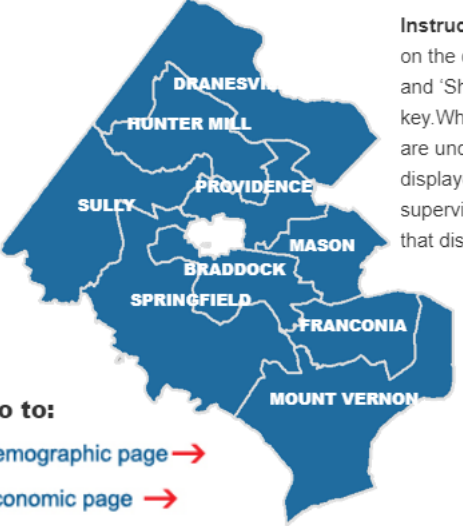
Source: Fairfax County Economic, Demographic and Statistical Research, 2023 data and U.S. Census Bureau 2022 five-year American Community Survey data.



Overview:

Housing Characteristics

Estimate/Forecast	2023	2025	2030	2035	2040	2045	2050
Households	422,864	429,500	446,142	461,826	476,652	491,772	506,823
Housing Units	432,550	439,458	456,803	473,140	488,583	504,337	520,016
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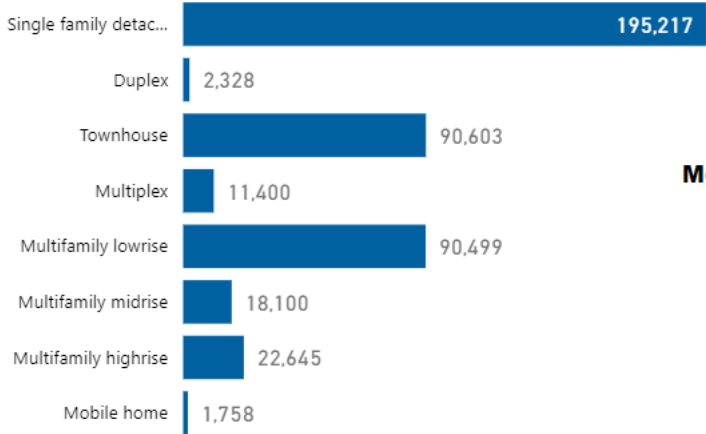
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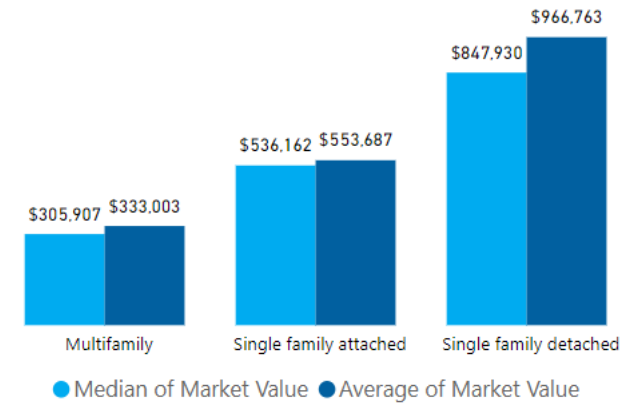
Housing Units by Type

(Click on the bars in this graph to filter age and square feet by housing type.)



\$691,564
is the overall median market value of owned housing.

Median and Average Market Value of Owned Housing



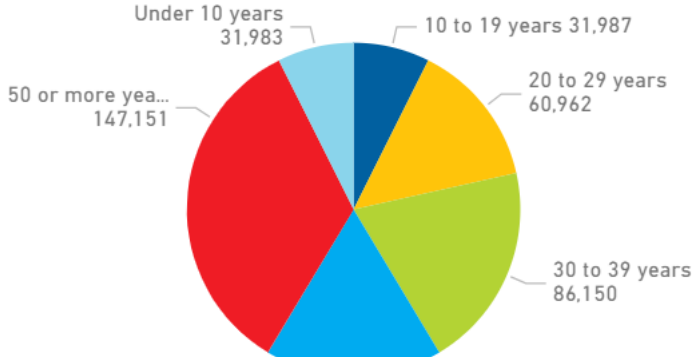
\$70,208
is the annual income needed to rent the average market rate one bedroom apartment unit.

Rental Complex Housing

Unit Type	Year	Units	Market Rate Units	Average Rent	Vacancy Rate
One bedroom	2022	31,700	26,955	\$1,755	5.7%
Two bedroom	2022	34,373	28,319	\$2,086	5.0%
Other unit types	2022	19,058	15,652	\$2,076	4.9%

Housing Units by Age

(Click on the pie slices to filter other charts by housing age)



1,624
square feet is the median size of owned housing.

Source: Fairfax County Economic, Demographic and Statistical Research, 2023 data unless



Overview:

Housing Characteristics



Estimate/Forecast	2023	2025	2030	2035	2040	2045	2050
Households	45,026	45,256	45,808	46,279	46,732	47,173	47,625
Housing Units	45,578	45,807	46,369	46,852	47,315	47,767	48,231
Population	131,144	131,732	133,247	134,438	135,556	136,627	137,735

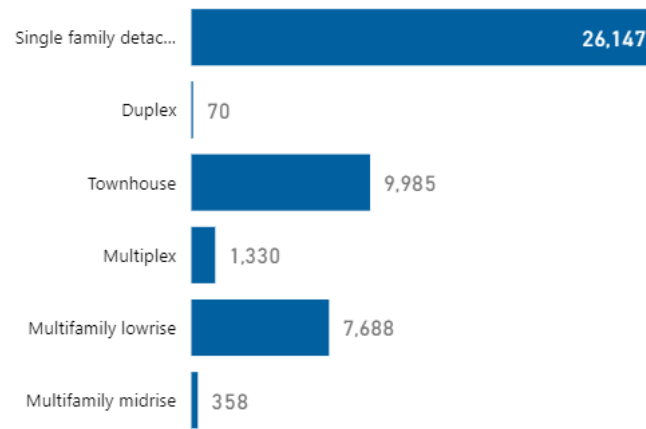
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[Demographic page](#) →
[Economic page](#) →

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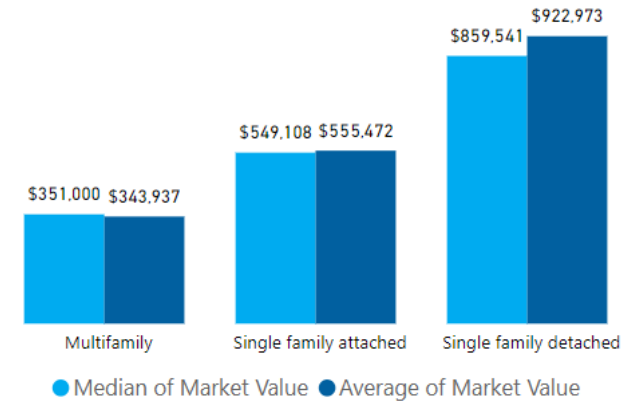
(Click on the bars in this graph to filter age and square feet by housing type.)



\$744,681

is the overall median market value of owned housing.

Median and Average Market Value of Owned Housing



\$68,914

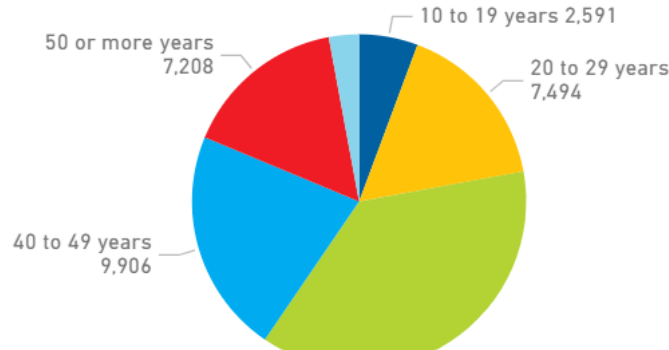
is the annual income needed to rent the average market rate one bedroom apartment unit.

Rental Complex Housing

Unit Type	Year	Units	Market Rate Units	Average Rent	Vacancy Rate
One bedroom	2022	1,945	1,786	\$1,723	4.4%
Two bedroom	2022	2,048	2,005	\$2,053	4.4%
Other unit types	2022	1,258	1,162	\$2,099	3.7%

Housing Units by Age

(Click on the pie slices to filter other charts by housing age)



1,950

square feet is the median size of owned housing.

Source: Fairfax County Economic, Demographic and Statistical Research, 2023 data unless

Census Designated Places and Towns Fairfax County, Virginia 2020

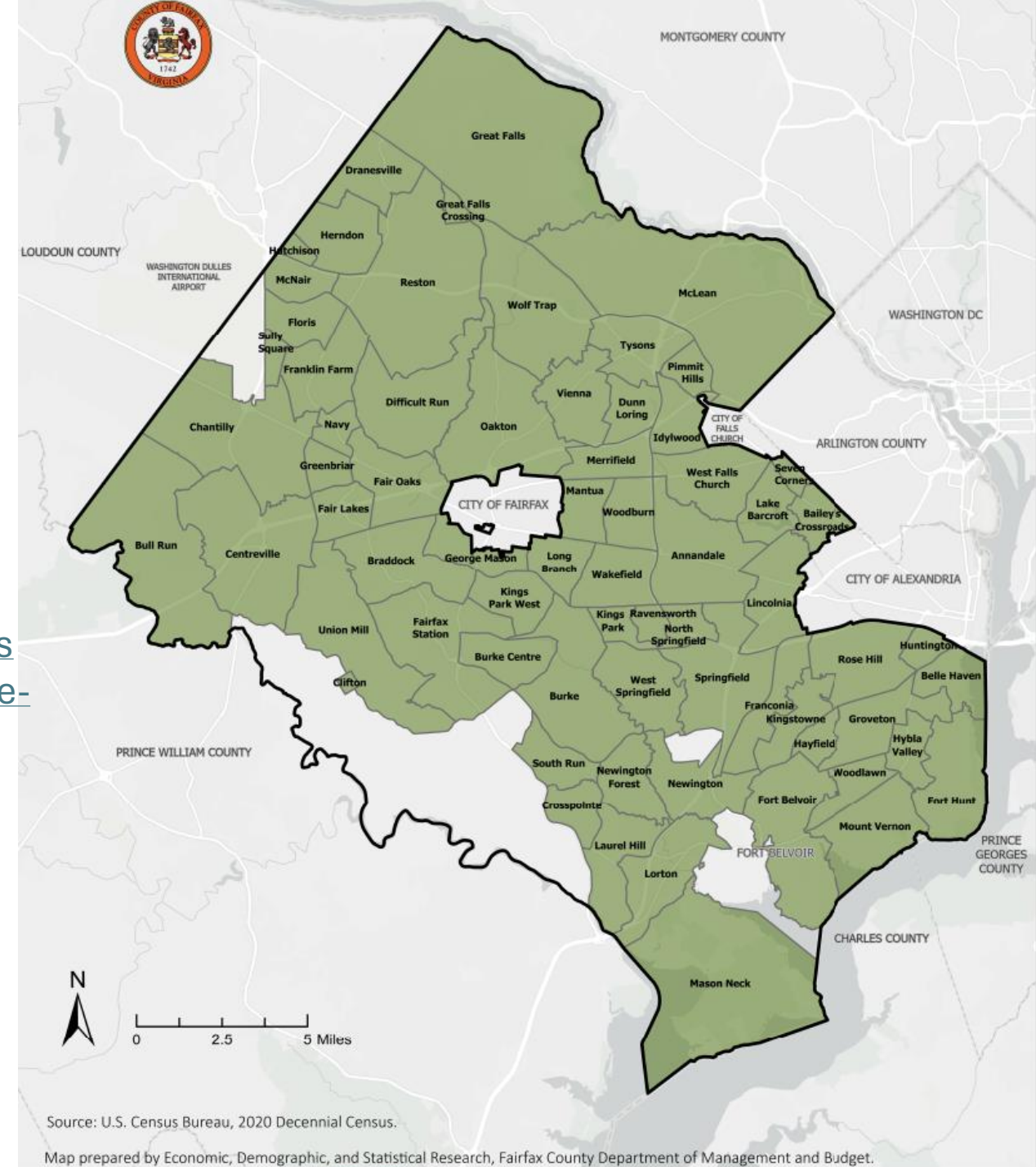
[CDP2020.pdf](#)

(<https://www.fairfaxcounty.gov/demographics/sites/demographics/files/Assets/DecennialCensus/2020/CDP2020.pdf>)

[Demographic Mapper - Communities \(Places\) and Towns](#)
(<https://www.fairfaxcounty.gov/demographics/interactive-map-communities-places-and-towns>)

[Community Profiles](#)

(<https://www.fairfaxcounty.gov/demographics/community-profiles>)



Economic, Demographic & Statistical Research

Demographics & Data | Demographics (<https://www.fairfaxcounty.gov/demographics/>)

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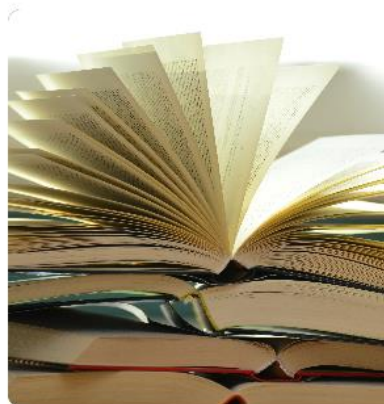
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Community Profiles Fairfax County, VA

2022 Population: **26,857**

2027 Population Forecast: **30,607**

You are currently viewing: **Chantilly**

Select a different community:

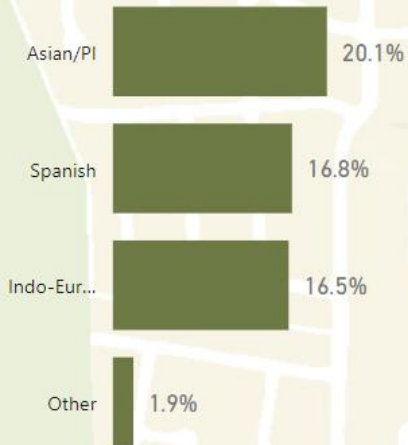
Use the arrows to scroll left or right for more communities.

Navigation menu for community selection:

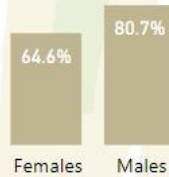
- Chantilly CDP (Selected)
- Clifton town
- Crosspointe CDP
- Difficult Run CDP
- Dranesville CDP

55.4% of residents speak a language other than English at home.

Languages Spoken at Home Persons Age 5 and Older

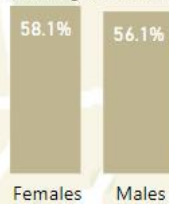


Labor Force Participation Persons Age 16 and Older



32.0 minutes is the average travel time to work.

Bachelor's Degree or High... Persons Age 25 and Older



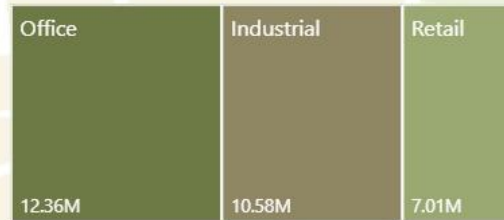
Household Income



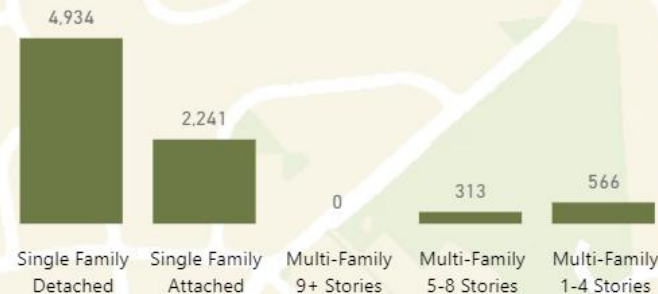
3.9% of residents are below poverty.

66.0% of housing units are more than 30 years old.

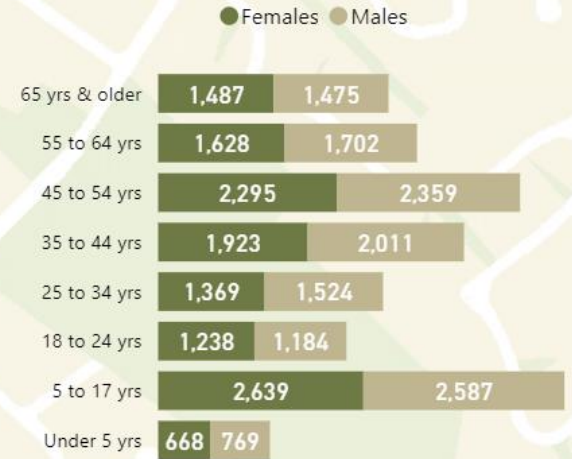
Commercial & Industrial Gross Floor Area



Housing Units by Type

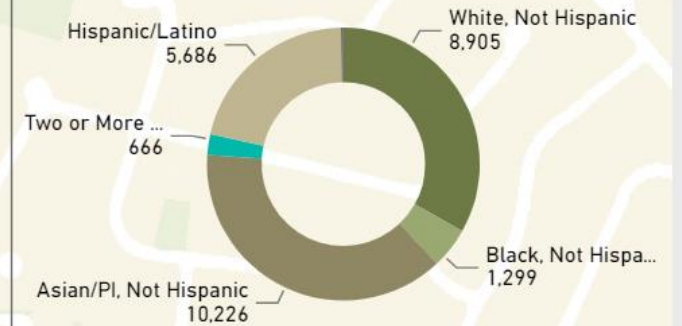


Persons by Age & Sex



49.3% Female **50.7%** Male

Persons by Race & Ethnicity



Sources: U.S. Census Bureau, 2021 five-year American Community Survey and Fairfax County Economic, Demographic and Statistical Research, 2022 Integrated Parcel Lifecycle System (IPLS) data.

Prepared by: Fairfax County Economic, Demographic and Statistical Research

Note: Estimates may not sum to totals due to rounding.

Economic, Demographic & Statistical Research

Demographics & Data | Demographics (<https://www.fairfaxcounty.gov/demographics/>)

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Fairfax County Overview

Fairfax County
App
Community Profiles

Fairfax County
App
Demographic Mapper

Fairfax County
Story
A Look to the Past

Fairfax County
App
Commuting Patterns

Fairfax County
App
Older Residents

Fairfax County
App
Languages Spoken
FCPS Elementary Students

Fairfax County
App
Occupations

Fairfax County
App
BEA Industry Profiles

Fairfax County
App
Our Immigrant Neighbors

Fairfax County
App
Uninsured
Persons Without Health Insurance

Fairfax County
App
Poverty

Fairfax County
App
For Rent

Fairfax County
App
Internet Accessibility

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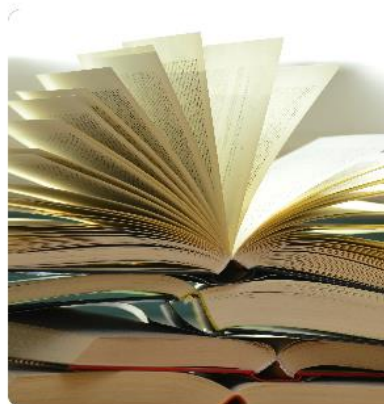
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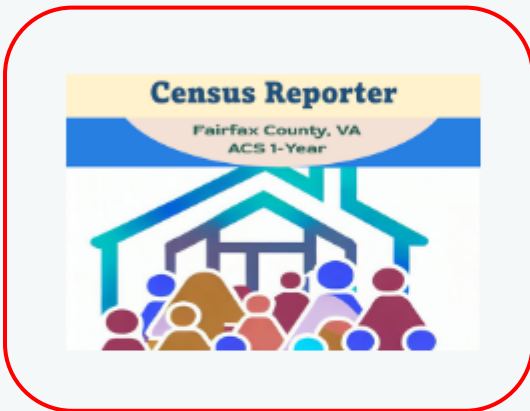
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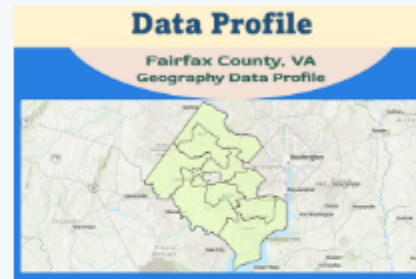


INTERACTIVE ACS DATA VISUALIZATION

The Census Reporter, Geography Profile, and Narrative Profile icons connect to the user-friendly interfaces for Fairfax County using the most recent Decennial Census & ACS data, provided by the U.S. Census Bureau.



Census Reporter offers a user-friendly interface to visualize the latest one-year ACS data on various topics, designed to make it easier for journalists to write stories using information from the U.S. Census Bureau.



Data Profile summarizes the data for a single geographic area, in both numbers and percentages, to cover the most frequently requested social, economic, housing, and demographic data.



Narrative Profile provides short, analytic reports derived from the ACS five-year estimates, covering 18 different topic areas for a selected geographic area.

[Census Summaries for Fairfax County| Demographics
https://www.fairfaxcounty.gov/demographics/american-community-survey](https://www.fairfaxcounty.gov/demographics/american-community-survey)

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