

2020 Census Redistricting Data

Public Law (P.L.) 94-171

Arlington County Board Meeting

September 21, 2021

Community Planning, Housing and
Development

Research and Strategic Initiatives Group

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August 2021 Release: P.L. 94-171

- P.L. 94-171 is the redistricting data file provided by the U.S. Census Bureau after each Decennial Census.
- Population counts are provided to the 50 states, the District of Columbia, and Puerto Rico for the purpose of redrawing of congressional and state legislative district boundaries—a process known as “redistricting.”

P.L. 94-171

Total Population

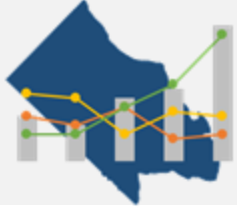
Population by Race

Population Age 18 Years and Over

Group Quarters Population

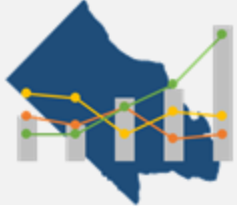
Housing Units

Housing Vacancy



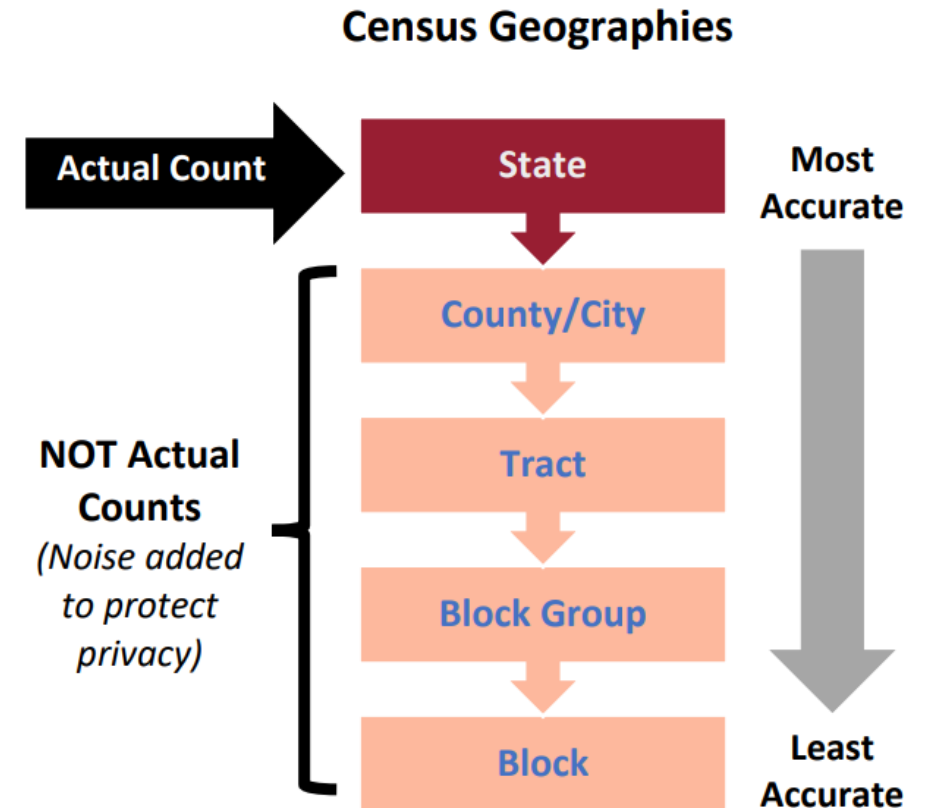
Impact from COVID-19 Pandemic

- Stay-at-home orders coincided with the start of the self-response period.
- Originally scheduled to be completed by the end of July 2020, the 2020 Census data collection period was extended and completed on October 15, 2020.
- Group quarters population includes college and university students. Many students returned home which led to issues with counting this population in the correct location.

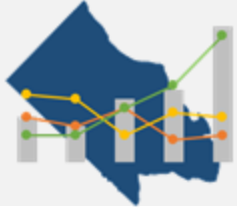


Differential Privacy

- Differential Privacy (DP) is the latest technique used by the Census Bureau to protect individuals' privacy.
- While protecting individuals' information is essential, DP effects the accuracy of the 2020 Census data.
- Population totals for sub-state geographies have been impacted by DP.



Source: NVRC, *Differential Privacy Potential to Impact 2020 Census Data Accuracy*, August 13, 2021.



Differential Privacy Impact Example

2010 Census

Black Minority Areas:

Localities where less than 2 percent of the population identified as Black



Black Majority Areas:

Localities where the majority of the population identified as Black



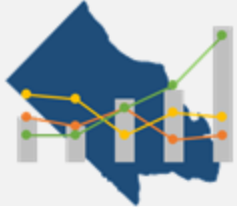
2020 Census

Shows an average 74 percent growth in the Black population

Shows average 6 percent decrease in the Black population

“This shift is a result of applying the privacy algorithm to the data rather than the result of an actual demographic trend in the Black population.”

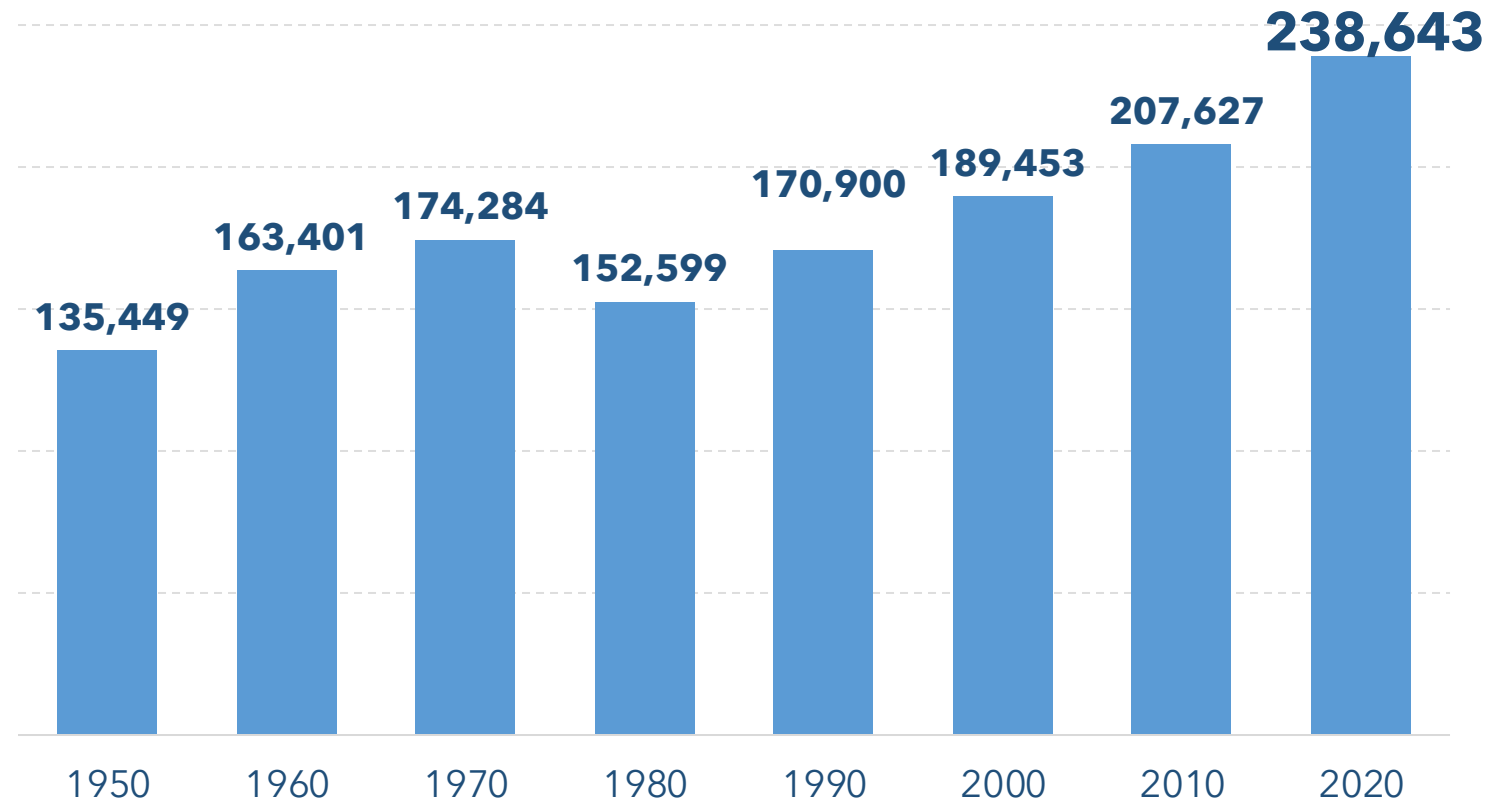
Source: University of Virginia, Weldon Cooper Center, Stat Chat: *Why 2020 Census data needs to be treated with caution*, August 27, 2021.

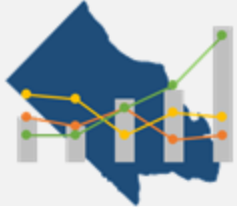


Total Population

- The 2020 Census reported Arlington's total population to be **238,643** people.
- Arlington grew by **31,016** persons since 2010.

Arlington County Population 1950-2020

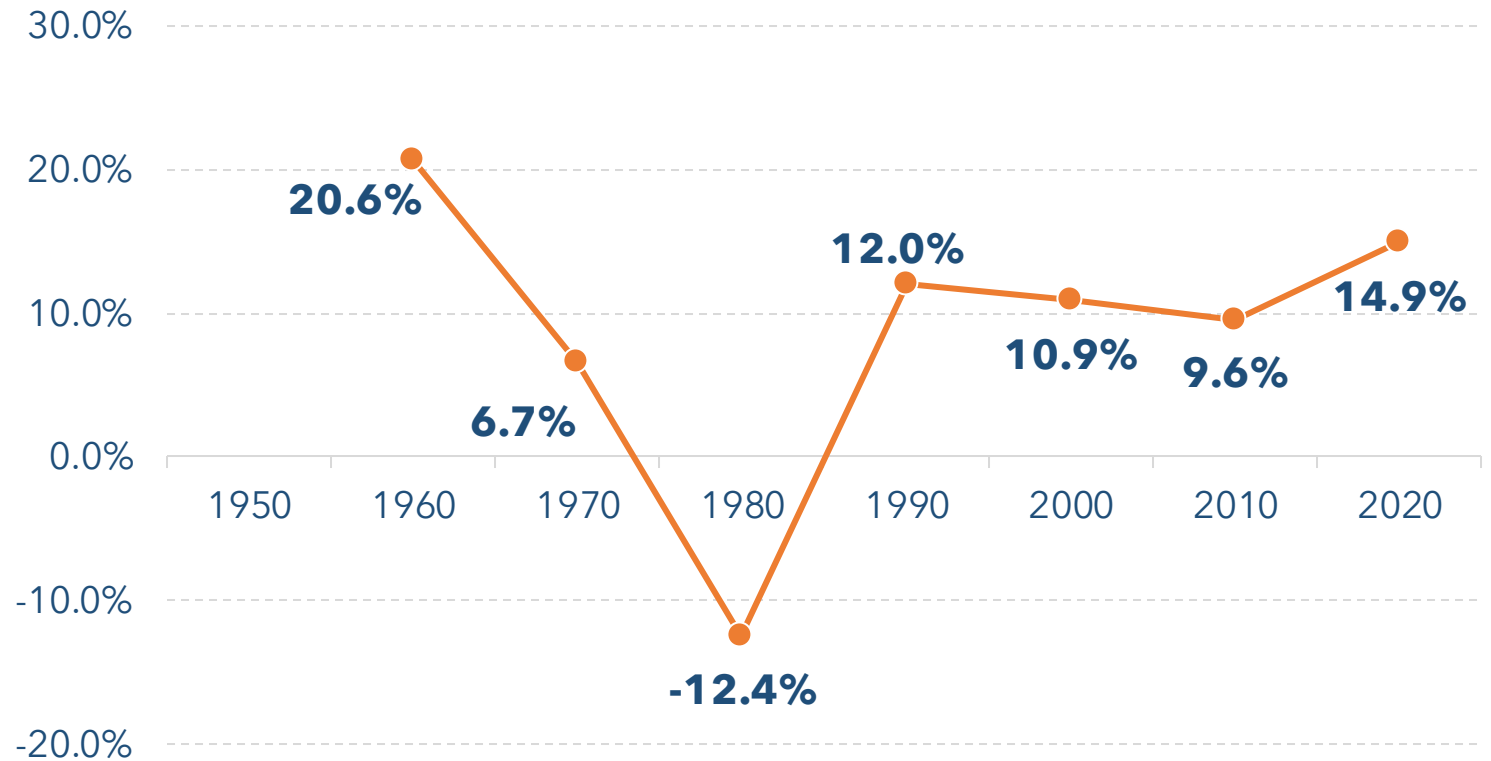




Population Growth

- Arlington's population increase of **14.9%** is over double that of the nation's growth (7.1%).
- Arlington's population increase accounts for **4.9%** of Virginia's growth and **9.7%** of growth in Northern Virginia.

Arlington County Growth Rate 1950-2020





Race and Hispanic or Latino Origin

“We are confident that differences in the overall racial distributions are largely due to improvements in the design of the two separate questions for race data collection and processing as well as some demographic changes over the past 10 years”.

- U.S. Census Bureau

August 3, 2021



Race and Hispanic or Latino Origin

Hispanic Origin Question Changes

1. “Print origin, for example” was revised to “**Print, for example.**”
2. Group examples revised from “Argentinean, Colombian, Dominican, Nicaraguan, Salvadoran, Spaniard, and so on.” to “**Salvadoran, Dominican, Colombian, Guatemalan, Spaniard, Ecuadorian, etc.**” in order to represent the largest Hispanic origin population groups.

2020 Census Hispanic Origin Question

→ **NOTE: Please answer BOTH Question 6 about Hispanic origin and Question 7 about race. For this census, Hispanic origins are not races.**

6. Is this person of Hispanic, Latino, or Spanish origin?

- No, not of Hispanic, Latino, or Spanish origin
- Yes, Mexican, Mexican Am., Chicano
- Yes, Puerto Rican
- Yes, Cuban
- Yes, another Hispanic, Latino, or Spanish origin – *Print, for example, Salvadoran, Dominican, Colombian, Guatemalan, Spaniard, Ecuadorian, etc.* ↴

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Race and Hispanic or Latino Origin

Race Question Changes

1. “Mark one or more boxes **AND** print origins.”
2. Write-in response areas for the White and Black or African American categories.
3. Provided 6 sample groups for the White, Black or African American and American Indian Alaska Native categories based on the largest population groups.
4. The word “Negro” was removed from the Black or African American category.

2020 Census Race Question

7. What is this person's race?

Mark one or more boxes **AND** print origins.

White – Print, for example, German, Irish, English, Italian, Lebanese, Egyptian, etc. ↴

Black or African Am. – Print, for example, African American, Jamaican, Haitian, Nigerian, Ethiopian, Somali, etc. ↴

American Indian or Alaska Native – Print name of enrolled or principal tribe(s), for example, Navajo Nation, Blackfeet Tribe, Mayan, Aztec, Native Village of Barrow Inupiat Traditional Government, Nome Eskimo Community, etc. ↴

Chinese Vietnamese Native Hawaiian

Filipino Korean Samoan

Asian Indian Japanese Chamorro

Other Asian – Print, for example, Pakistani, Cambodian, Hmong, etc. ↴ Other Pacific Islander – Print, for example, Tongan, Fijian, Marshallese, etc. ↴

Some other race – Print race or origin. ↴



Race and Hispanic or Latino Origin

Race Question Changes (continued)

5. The Asian and Native Hawaiian or Other Pacific Islander check boxes were reordered by population size.
6. Guamanian or Chamorro was changed to Chamorro.
7. Instructions for Some other Race were updated to "Print race or origin" to correspond to with question instructions.

2020 Census Race Question

7. What is this person's race?
 Mark one or more boxes **AND** print origins.

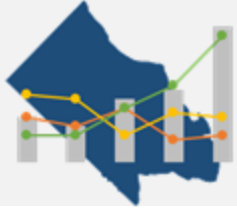
White – *Print, for example, German, Irish, English, Italian, Lebanese, Egyptian, etc.* ↴

Black or African Am. – *Print, for example, African American, Jamaican, Haitian, Nigerian, Ethiopian, Somali, etc.* ↴

American Indian or Alaska Native – *Print name of enrolled or principal tribe(s), for example, Navajo Nation, Blackfeet Tribe, Mayan, Aztec, Native Village of Barrow Inupiat Traditional Government, Nome Eskimo Community, etc.* ↴

<input type="checkbox"/> Chinese	<input type="checkbox"/> Vietnamese	<input type="checkbox"/> Native Hawaiian
<input type="checkbox"/> Filipino	<input type="checkbox"/> Korean	<input type="checkbox"/> Samoan
<input type="checkbox"/> Asian Indian	<input type="checkbox"/> Japanese	<input type="checkbox"/> Chamorro
<input type="checkbox"/> Other Asian – <i>Print, for example, Pakistani, Cambodian, Hmong, etc.</i> ↴	<input type="checkbox"/> Other Pacific Islander – <i>Print, for example, Tongan, Fijian, Marshallese, etc.</i> ↴	

Some other race – *Print race or origin.* ↴



Race and Hispanic or Latino Origin

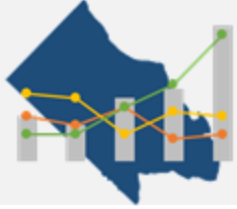
Coding Changes

- Number of characters increased from 30 to 200 of the write-in responses.
- Responses were coded up to 6 detailed codes for each write-in area.

U.S. Census Bureau Coding Example

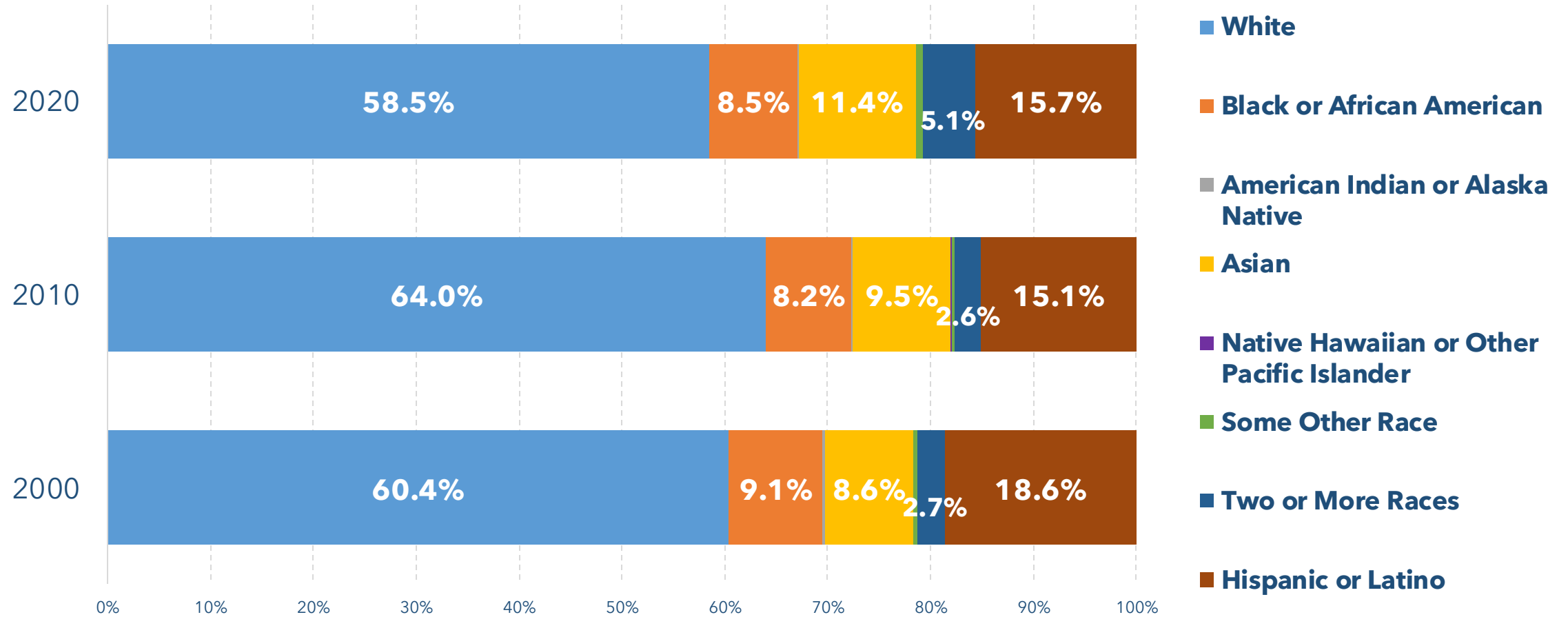
Write-in	Code 1	Code 2	Code 3	Code 4	Code 5	Code 6
BLACK	3020					
WHITE HISPANIC BLANCO	1001	2002	1001			
PR DR DOMINICAN BORICUA	2331	2321	2321	2331		
MIXED GERMAN MEXICAN JAPANESE AFRICAN	8540	1171	2011	4041	3100	
PORTUGUESE ITALIAN SPANISH SERBIAN ALBANIAN SCOTTISH SWEDISH CANADIAN	1290	1206	2630	1325	1010	1320

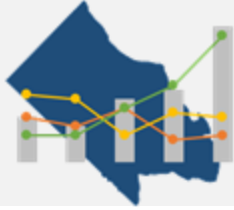
<https://www2.census.gov/about/cic/Coding%20Operations%20of%20Race%20and%20Ethnicity.pdf>



Race and Hispanic or Latino Origin

Total Population By Race and Hispanic or Latino Origin 2000-2020

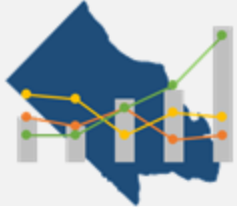




Race and Hispanic or Latino Origin

Growth by Race and Hispanic or Latino Origin

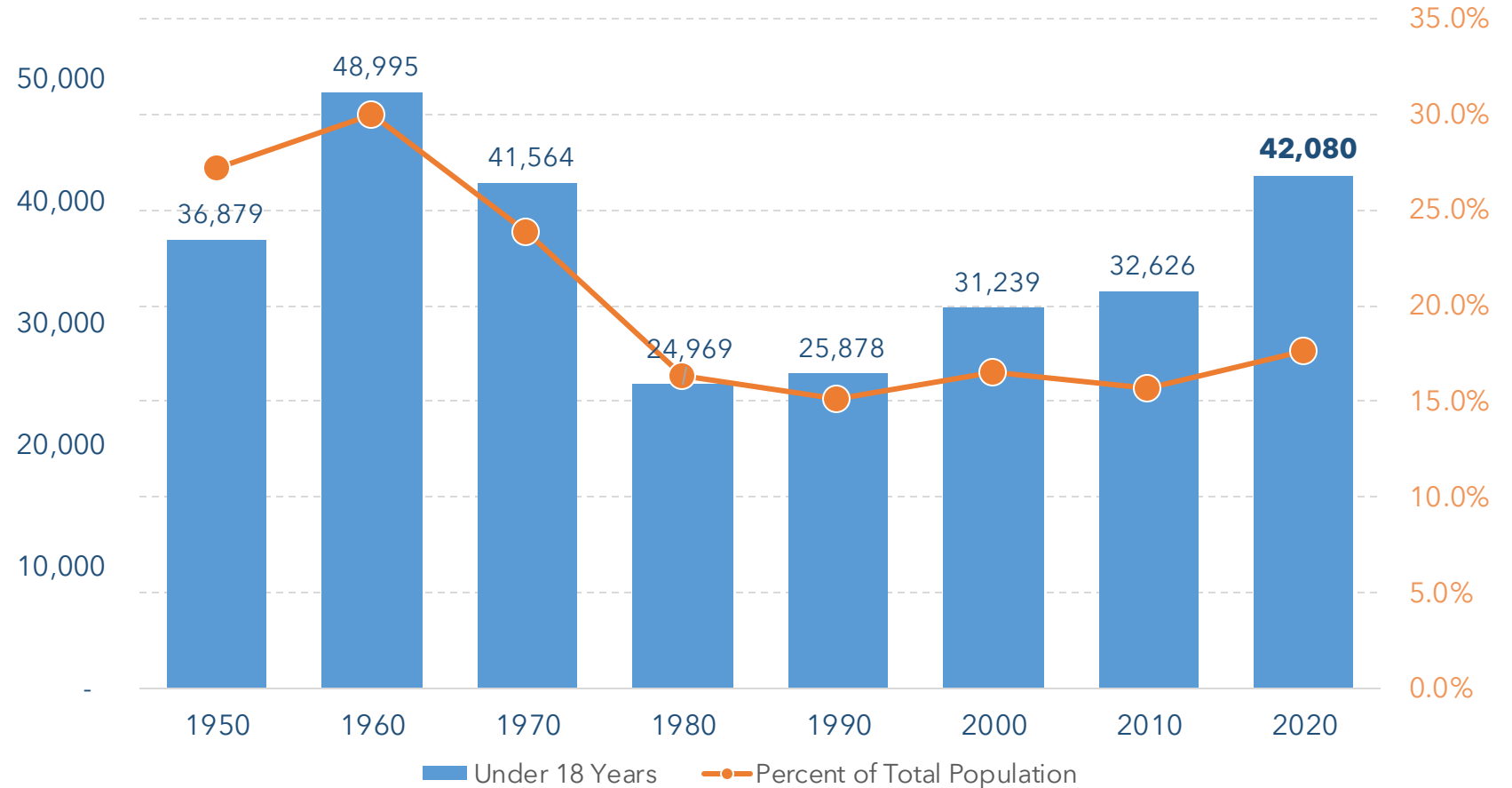
	2010	2020	2010-2020	
Total Population	207,627	238,643	31,016	14.9%
White	132,961	139,653	6,692	5.0%
Black or African American	17,088	20,330	3,242	19.0%
American Indian or Alaska Native	394	258	-136	-34.5%
Asian	19,762	27,235	7,473	37.8%
Native Hawaiian or Other Pacific Islander	133	118	-15	-11.3%
Some Other Race	611	1,491	880	144.0%
Two or More Races	5,296	12,196	6,900	130.3%
Hispanic or Latino	31,382	37,362	5,980	19.1%

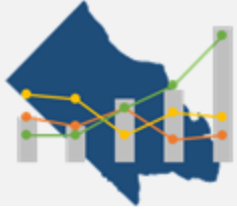


Population by Age

- **42,080** of Arlington's population is under the age of 18.
- This age group grew by **9,454** persons - a **29%** increase since 2010.

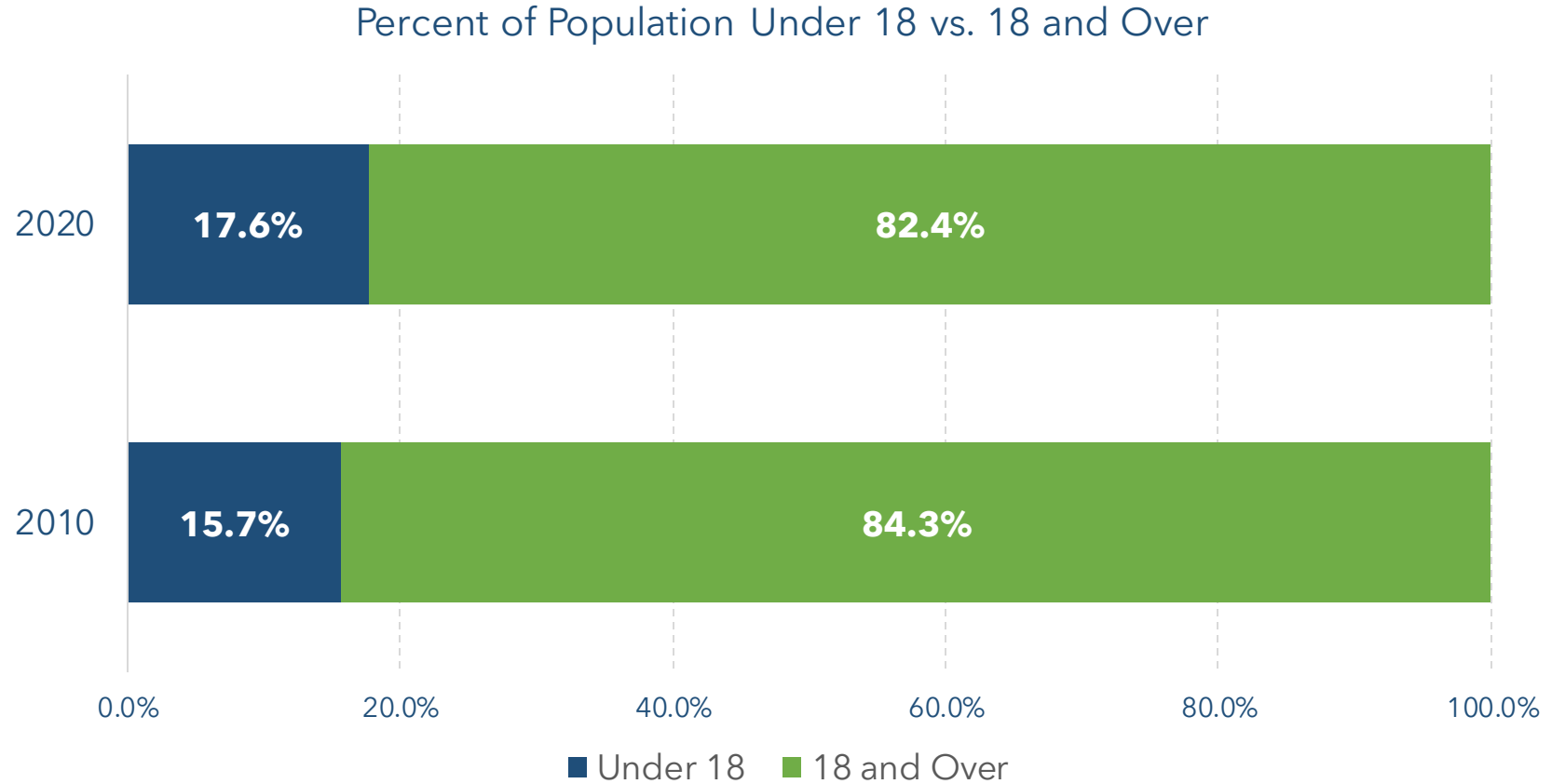
Population Under 18 Years

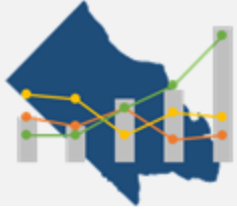




Population by Age

- The 2010 Census reported 15.7% of the population was under the age of 18.
- This age group increased to 17.6% of Arlington's population in 2020.

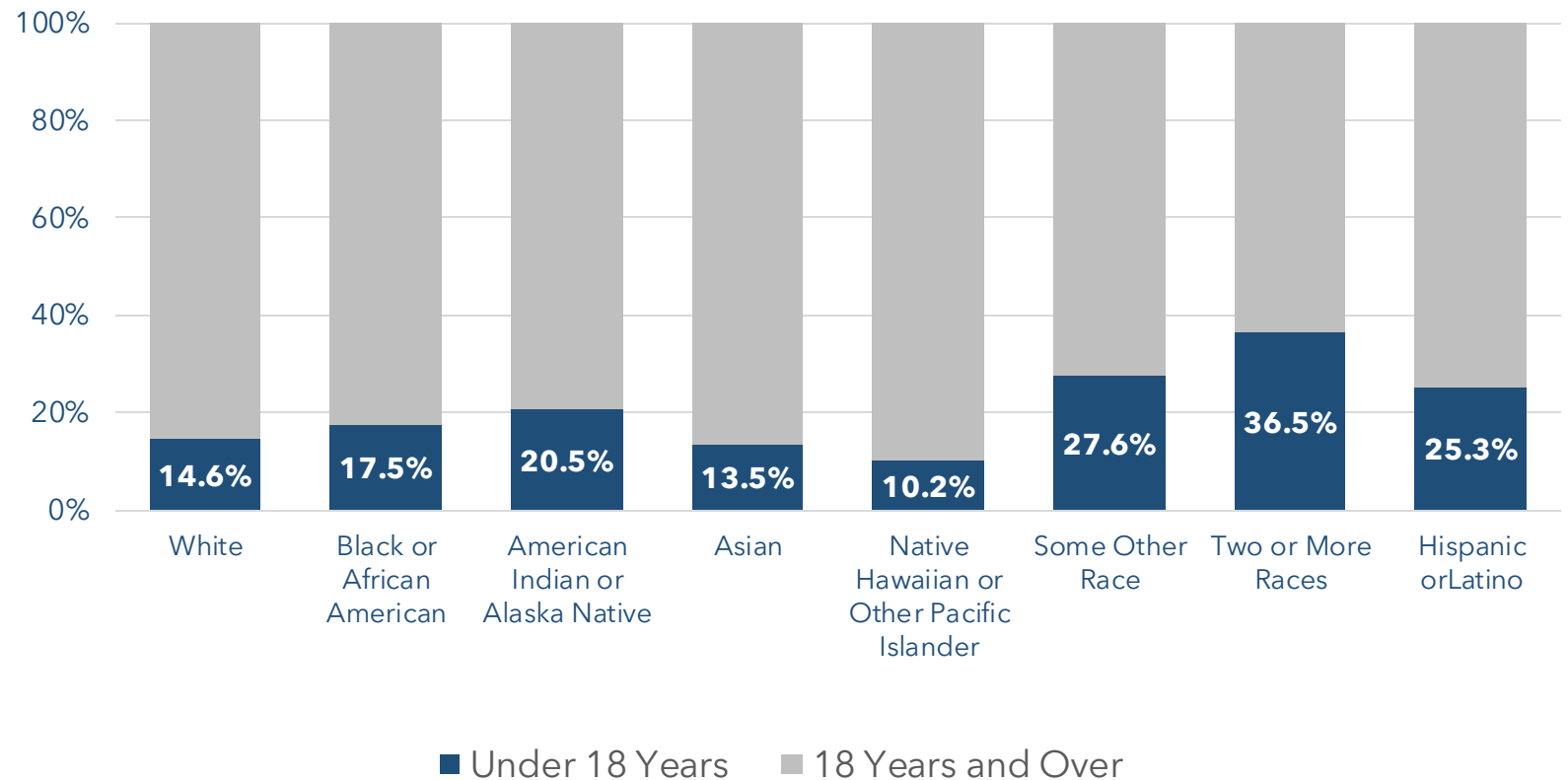




Population by Age

- **17.6%** of Arlington's population is under the age of 18.
- The populations that have identified as **Some Other Race, Two or More Races, or of Hispanic or Latino Origin** have much higher percentages of persons under the age of 18.

Percent of Population Under 18 Years by Race

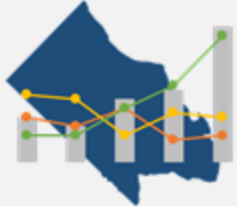




Population by Age

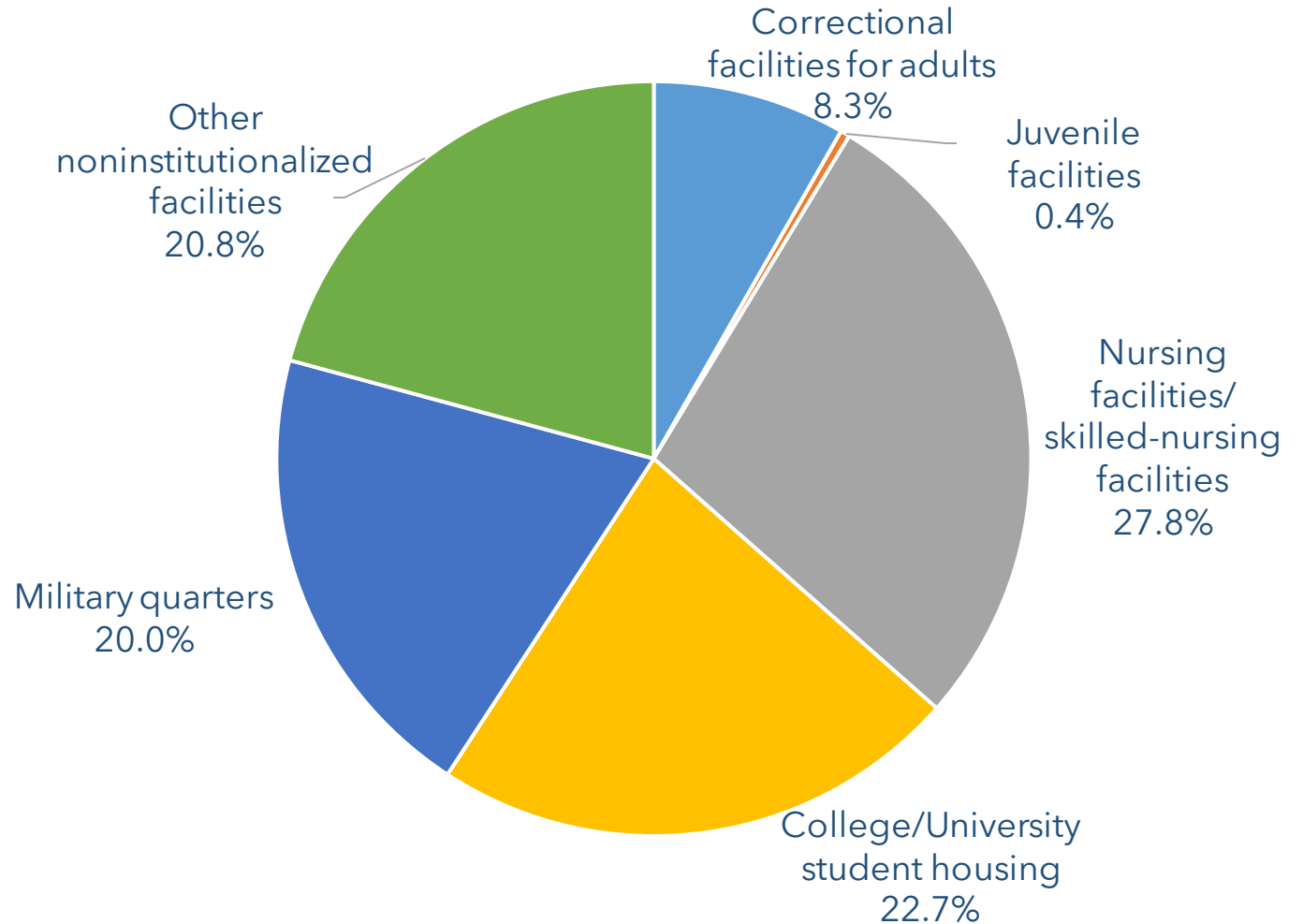
Population by Age (2010 to 2020)

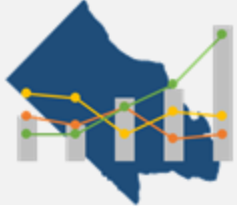
	Under 18 Years		18 Years and Older	
	Population Change	Growth Rate	Population Change	Growth Rate
Total Population	9,454	29.0%	21,562	12.3%
White	3,214	18.6%	3,478	3.0%
Black or African American	564	18.8%	2,678	19.0%
American Indian or Alaska Native	1	1.9%	-137	-40.1%
Asian	843	29.7%	6,630	39.2%
Native Hawaiian or Other Pacific Islander	-9	-42.9%	-6	-5.4%
Some Other Race	182	79.5%	698	182.7%
Two or More Races	2,499	128.0%	4,401	131.6%
Hispanic or Latino	2,160	29.7%	3,820	15.9%



Group Quarters

- Group Quarters: places where people live or stay in a group living arrangement that is owned or managed by an organization providing housing and/or services for the residents.
- **2,986** group quarters population

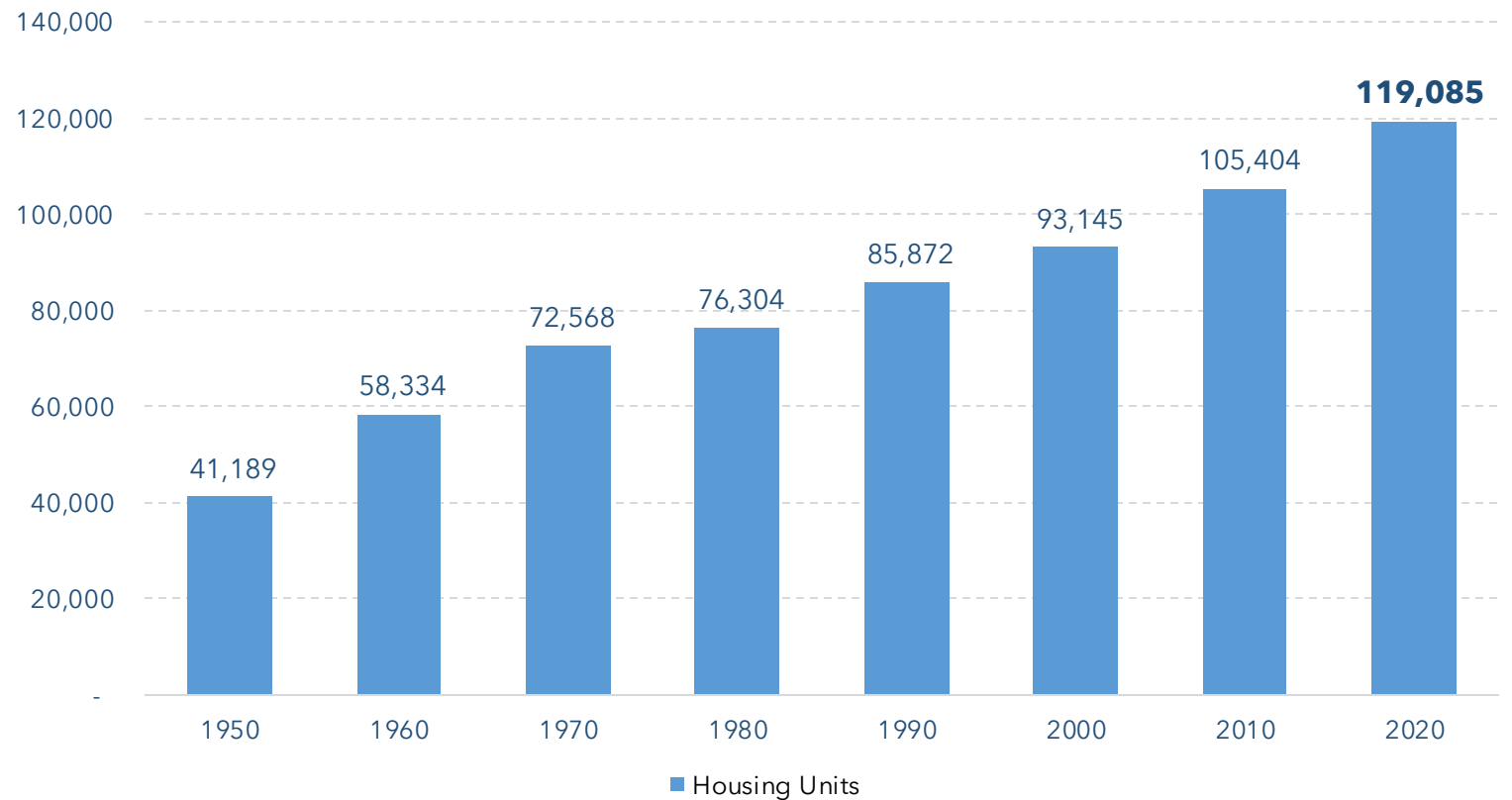


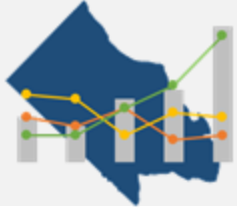


Housing Units

- 2020 Census reports Arlington to have 119,085 housing units.
- Increase in 13,681 units since 2010.
- Housing units are invariant and NOT impacted by DP.

Housing Units 1950-2020

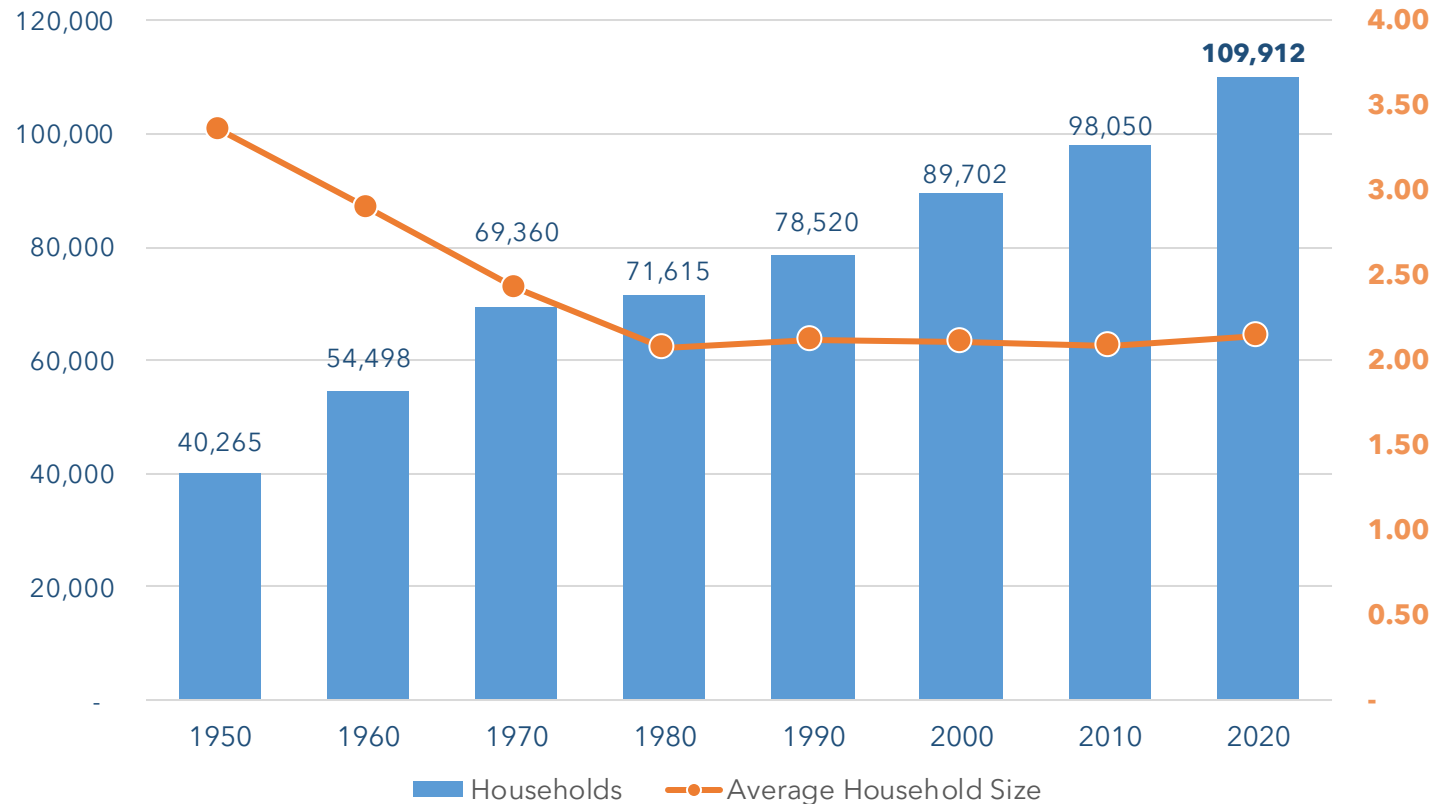




Households (Preliminary Data)

- A household is an occupied housing unit and is impacted by DP.
- Numbers may change when full dataset is released in 2022.

Households and Average Household Size 1950-2020





Next Steps

Block Level Review

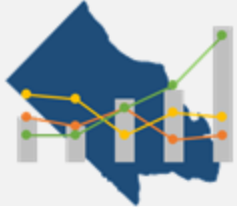
- Housing Units
- Total Population
- Population by Race
- Population by Age (wait for 2022 full data release)
- Average Household Size (wait for 2022 full data release)

Method Evaluation

- Population Estimates
- Population Forecast

Data Resources

- Census tabulation tables for specific areas including planning areas and civic associations.
- Series of briefing papers.
- Interactive Dashboard.



Demographic Dashboards

arlingtonva.us/demographics



Race and Ethnicity Dashboard



Census Tract Demographic Dashboard

Questions?