

Population Trends in North Carolina & Implications for Transportation

NC Department of Transportation
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Population Growth



North Carolina Population vs. Other States

9th Largest State at 10.4 Million

4th Largest Population Gain (848,000 people), April 2010 to July 2018

Geographic Area	Population Estimate		Change, 2010-2018	
	April 1, 2010	July 1, 2018	Numeric	Percent
<i>United States</i>	308,758,105	327,167,434	18,409,329	6.0
California	37,254,523	39,557,045	2,302,522	6.2
Texas	25,146,114	28,701,845	3,555,731	14.1
Florida	18,804,580	21,299,325	2,494,745	13.3
New York	19,378,124	19,542,209	164,085	0.8
Pennsylvania	12,702,873	12,807,060	104,187	0.8
Illinois	12,831,572	12,741,080	-90,492	-0.7
Ohio	11,536,757	11,689,442	152,685	1.3
Georgia	9,688,709	10,519,475	830,766	8.6
North Carolina	9,535,736	10,383,620	847,884	8.9
Michigan	9,884,117	9,995,915	111,798	1.1

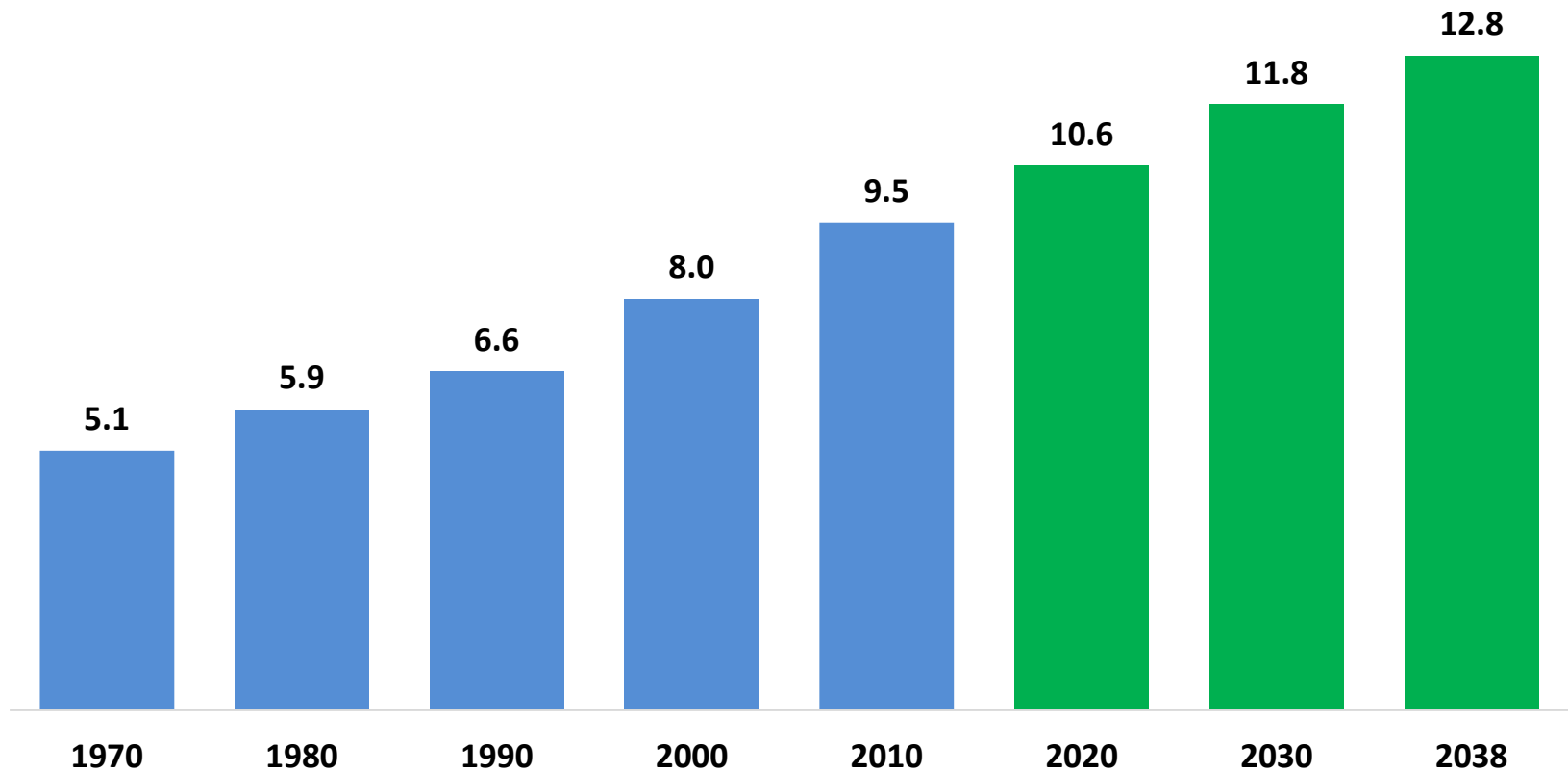
Source: U.S. Census Bureau, Population Estimates, Vintage 2018.



North Carolina Population Change – Historic and Projected

North Carolina Population 1970 – 2010 and Projected Through 2038

Millions of People

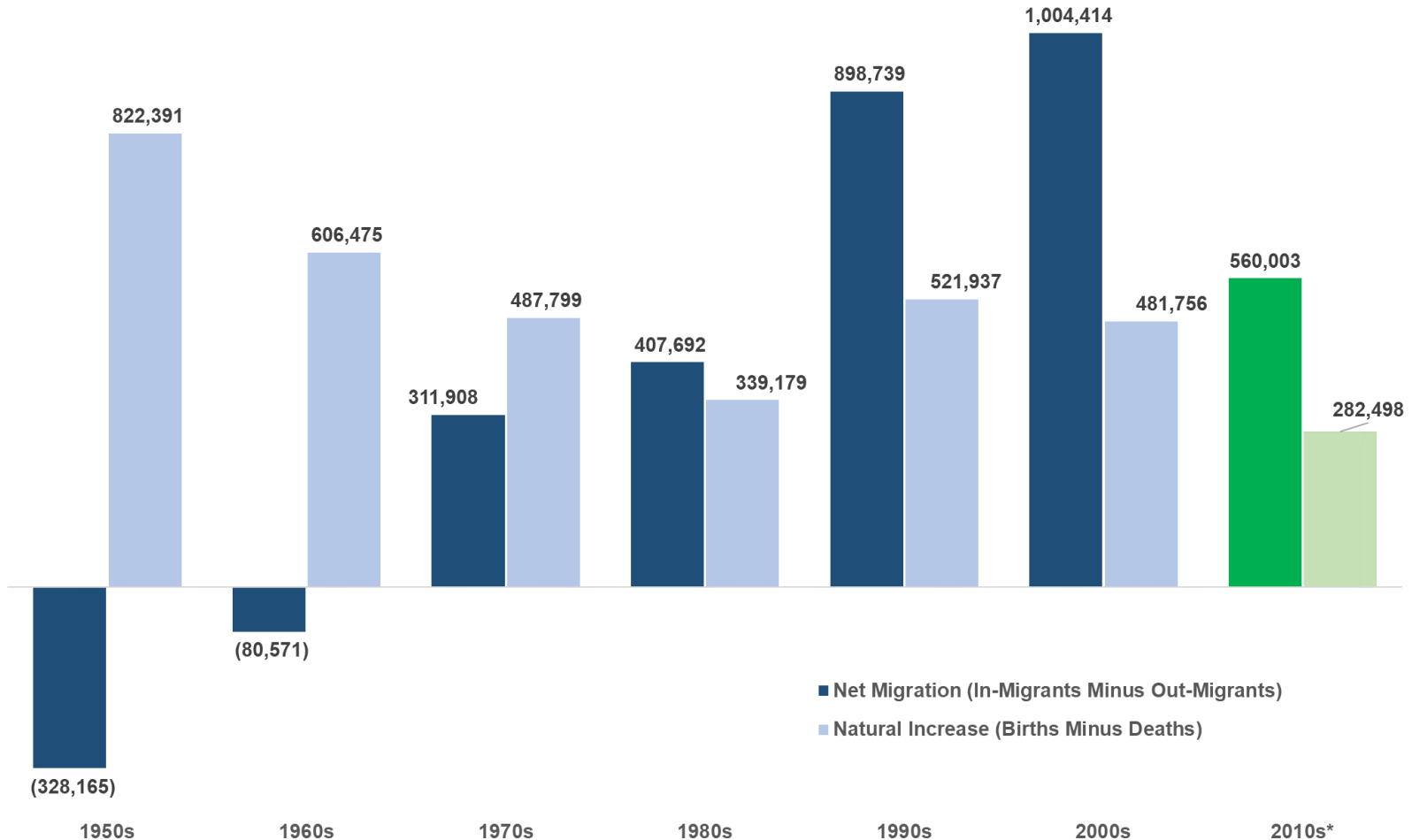


Source: US Census Bureau, Decennial Censuses; OSBM Population Projections, 2018 Vintage.



In-Migration Now Major Component of Population Growth

Components of Population Change in North Carolina by Period, 1950 - 2018



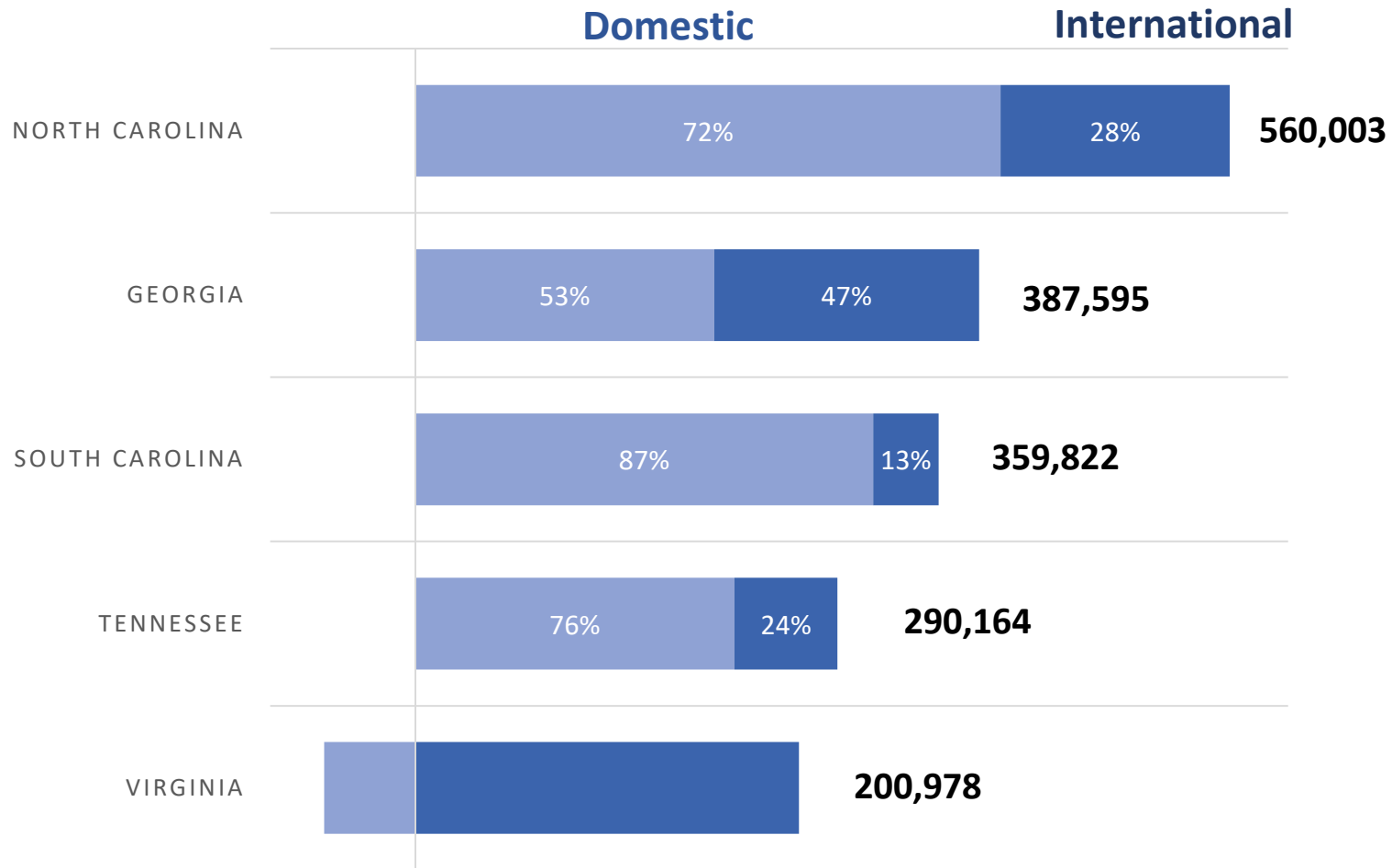
Source: US Census Bureau, State Population Estimates, Vintage 2018; Age-Specific Net Migration Estimates for US Counties, 1950-2010. Applied Population Laboratory, UW-Madison.



Net Migration

More Migration to North Carolina vs Neighbors in Recent Years

Net Domestic and International Migration, April 2010 to July 2018



Source: US Census Bureau, State Population Estimates, Vintage 2018.

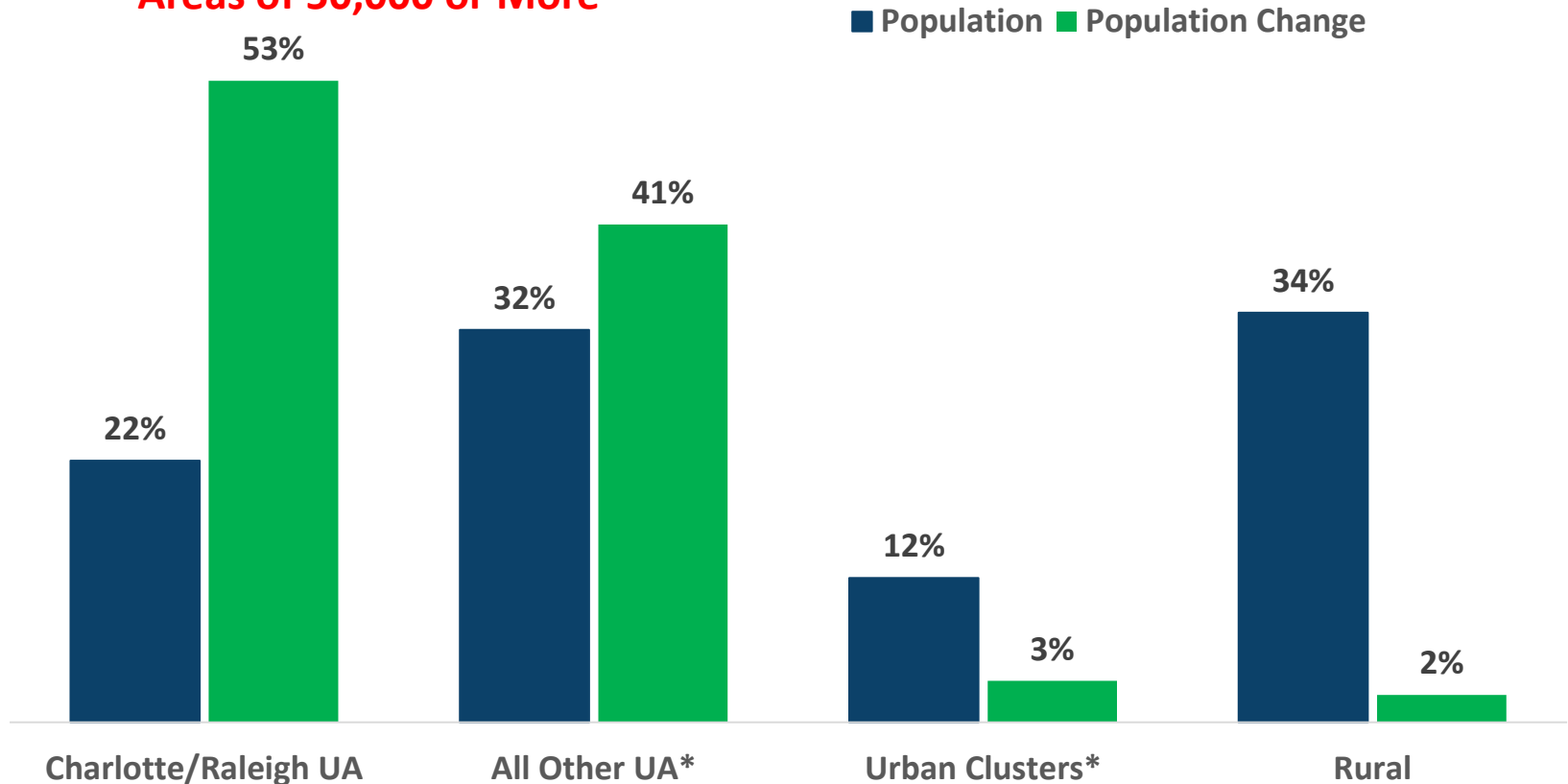
Urbanization



Population Change in North Carolina by Urban/Rural Status, 2000-2010

Over Half the Population and Almost All Population Growth in Major Urban Areas

-- Areas of 50,000 or More --



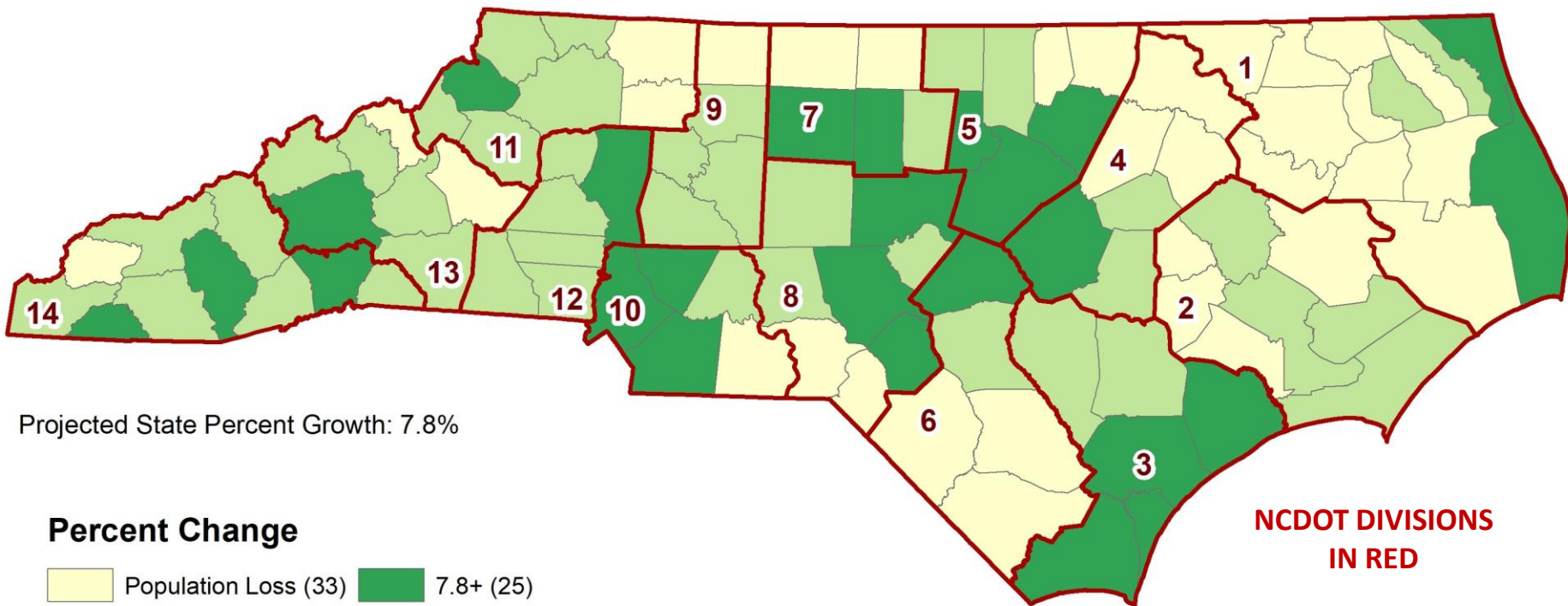
Source: U.S. Census Bureau, 2000 and 2010 Decennial Census

*Urbanized Areas (UA) as defined in 2010. For this graph, the newly defined urbanized areas of New Bern and North Myrtle Beach-Socastee were included in the Urban Cluster totals. Urbanized Areas are statistical areas of 50,000 or more people while Urban Clusters include at least 2,500 but no more than 49,999 people. These areas do not follow legal (i.e. municipal) boundaries. The rural growth proportion may be slightly larger as this does not account for rural areas in 2000 that became urban in 2010.



Population Change by County - April 1, 2010 – July 1, 2017

Population Growth in NC Since 2010 Has Been Robust, But Uneven

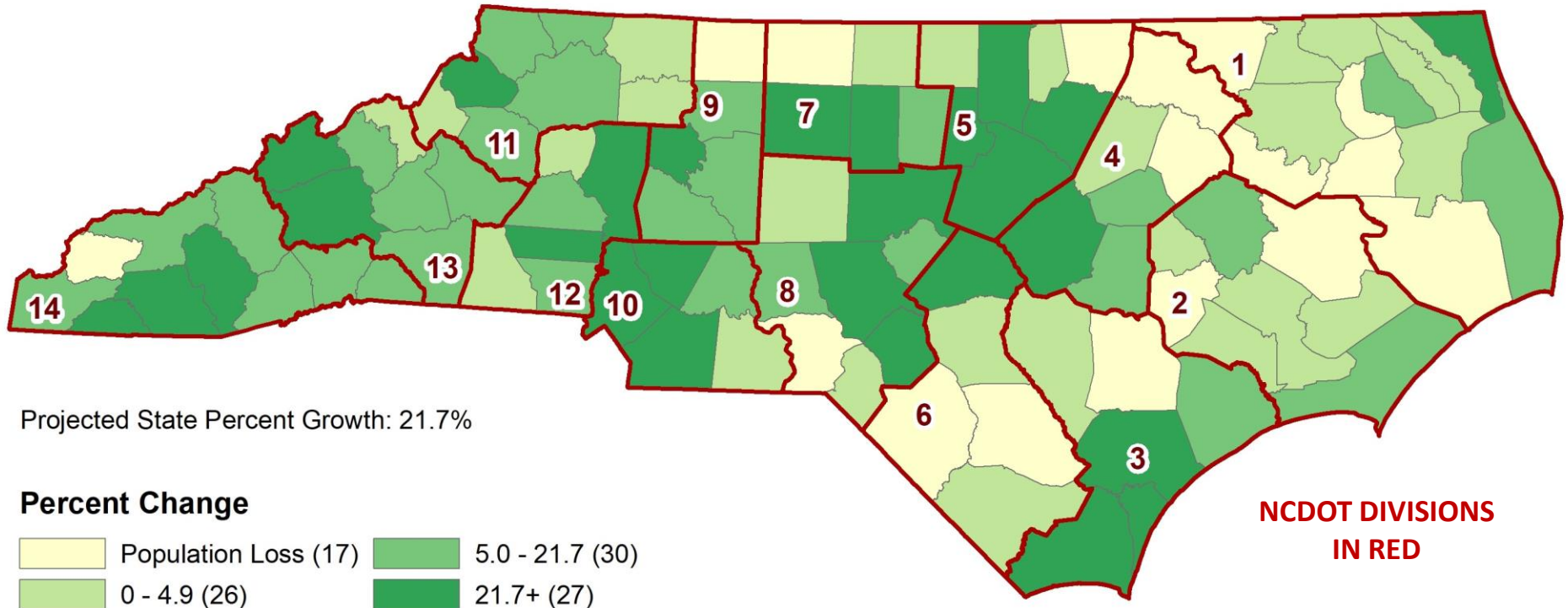


Source: North Carolina Office of State Budget & Management, Demographic & Economic Analysis, Population Estimates, Vintage 2017.



Projected Population Change, July 1, 2019 – July 1, 2038

Projected Growth in Majority of NC Counties

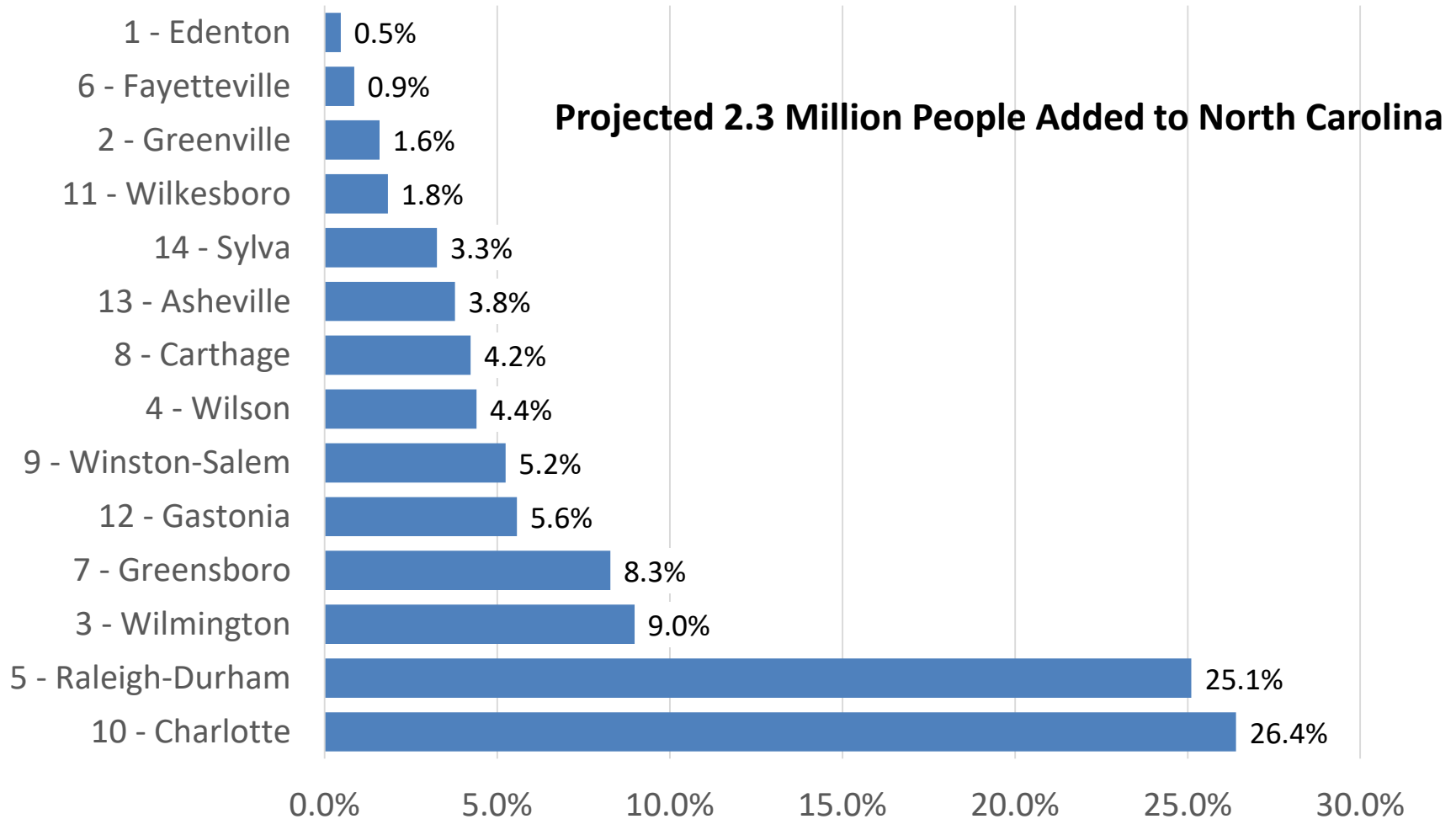


Source: North Carolina Office of State Budget & Management, Demographic & Economic Analysis, Population Projections, Vintage 2018.



NCDOT Division Growth as a Percent of State Growth

Divisions 5 and 10 Will Account for **51.5%** of All Growth, 2019 – 2038



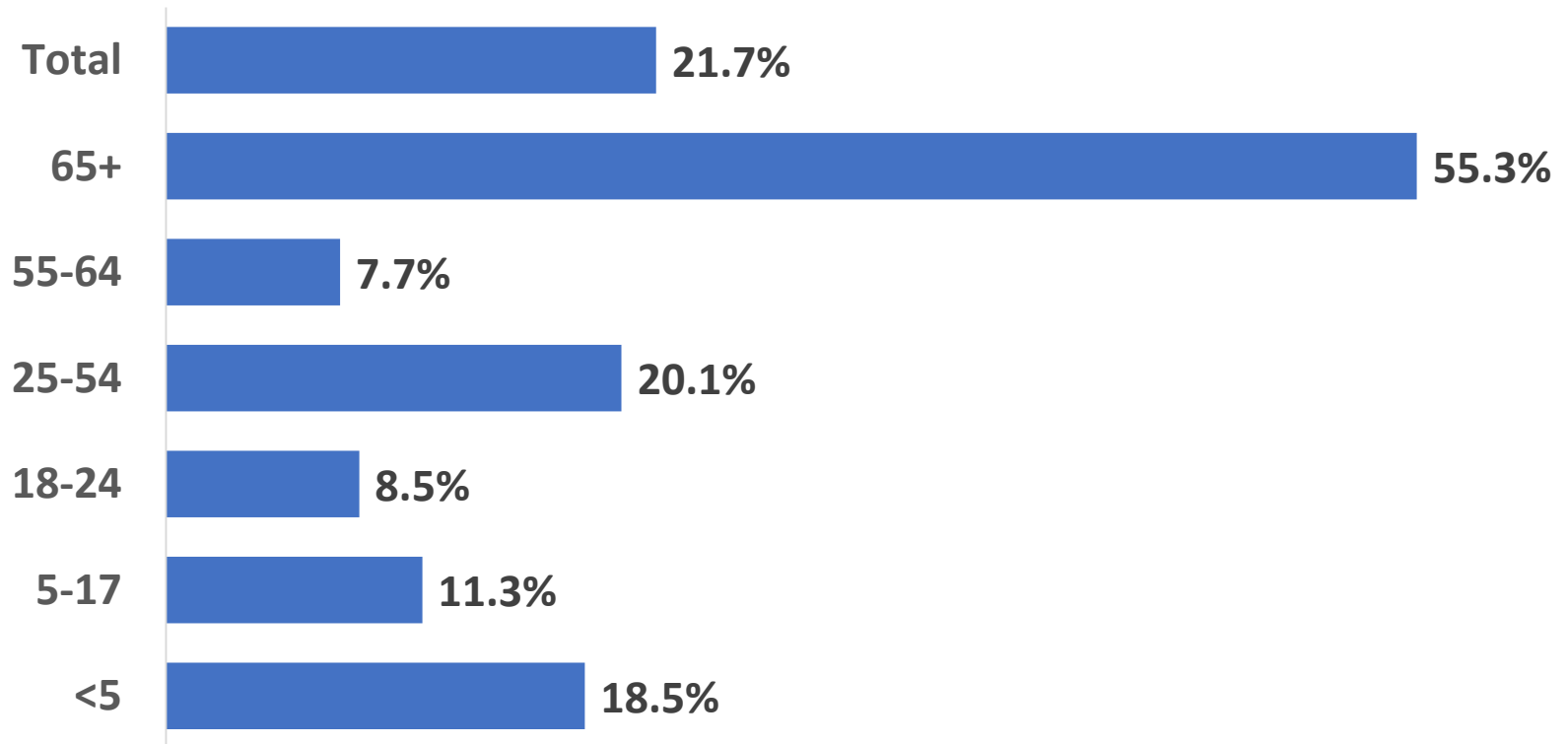
Source: North Carolina Office of State Budget and Management, Population Projections, Vintage 2018.

Population Aging



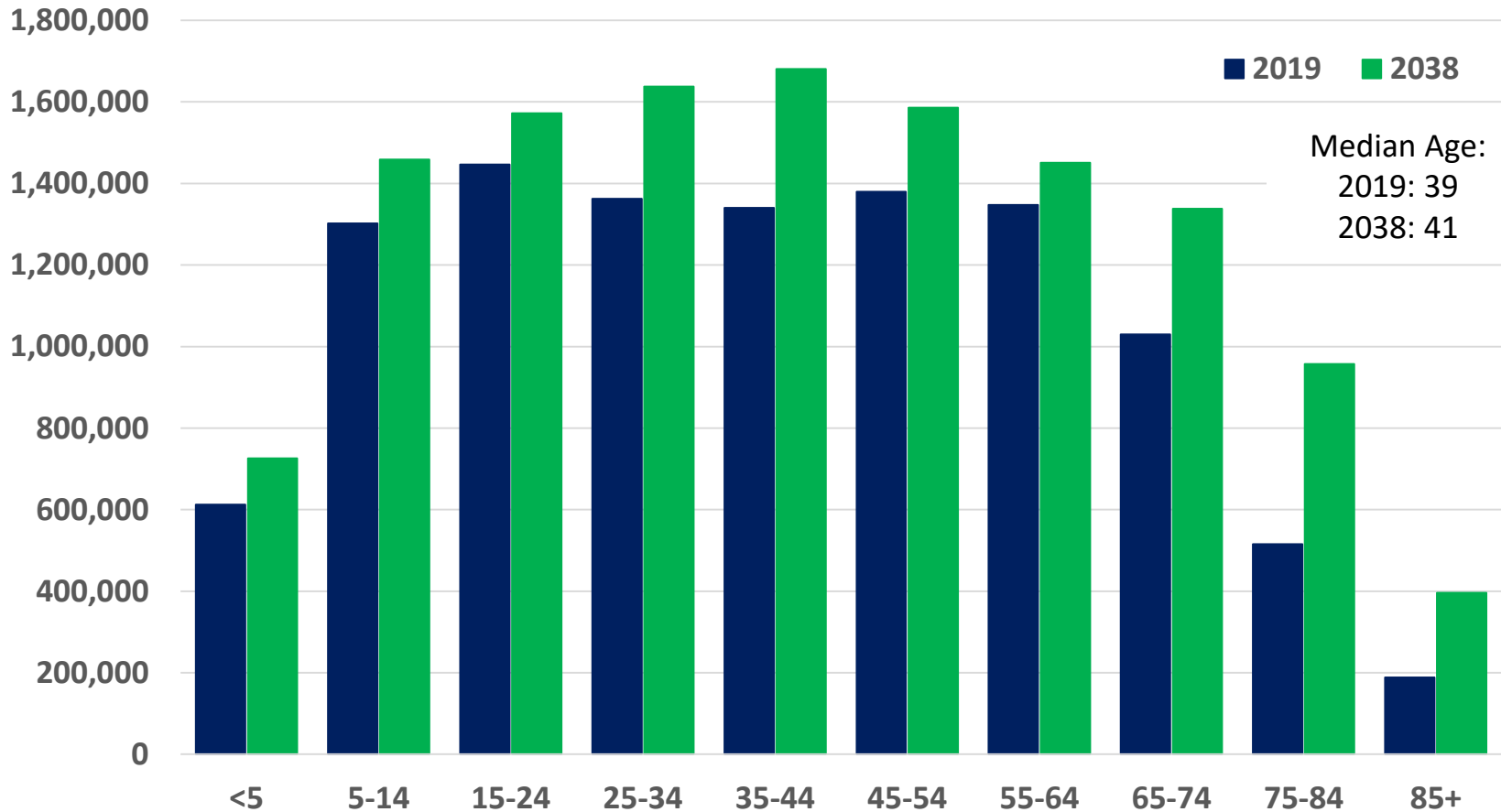
Projected Percent Population Change by Age Group, 2019-2038

Population 65 and Over is Projected to Grow More Than 2 1/2 Times Faster Than Total Population in the Next 19 years





Population in North Carolina by Age, 2019 and 2038



Source: North Carolina Office of State Budget & Management, Population Projections, Vintage 2018.

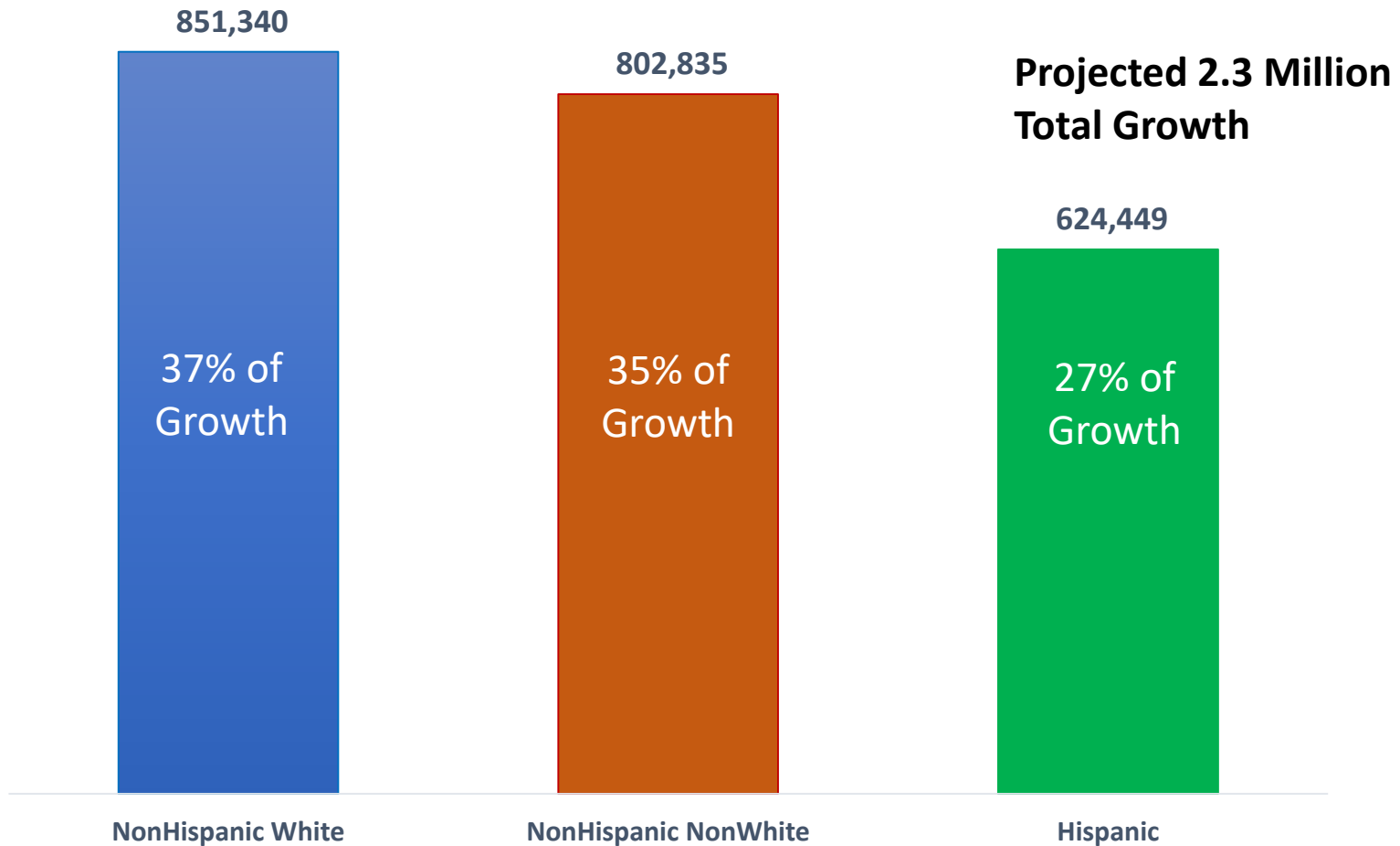
Race/Ethnic Diversification



North Carolina's Future Growth Is More Diverse

Projected Population Change from 2019 to 2038 by Race/Ethnic Group

Non-Hispanic Non-White includes: Black, Asian, American Indian, and those identifying as Two/ More Races

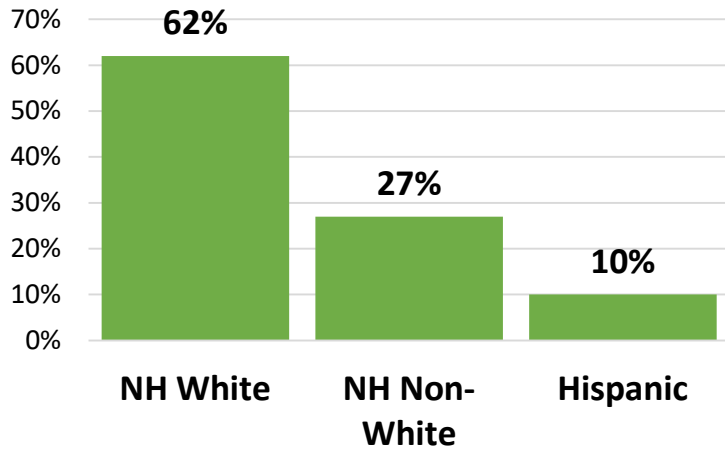


Source: North Carolina Office of State Budget and Management, Population Projections, Vintage 2018.

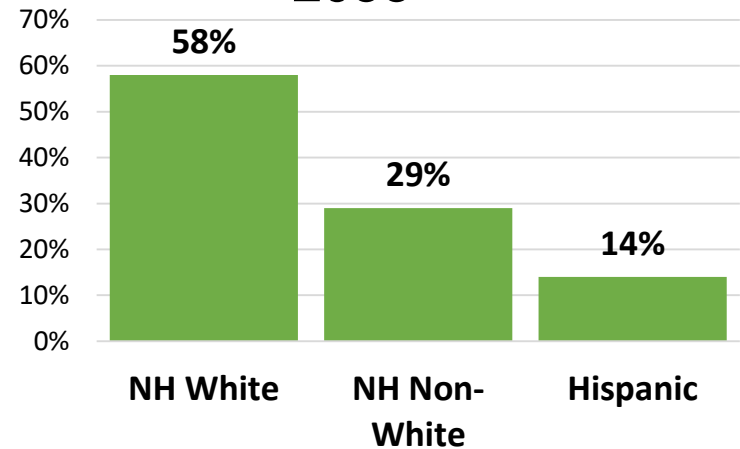


Population by Hispanic Origin & Race

2017



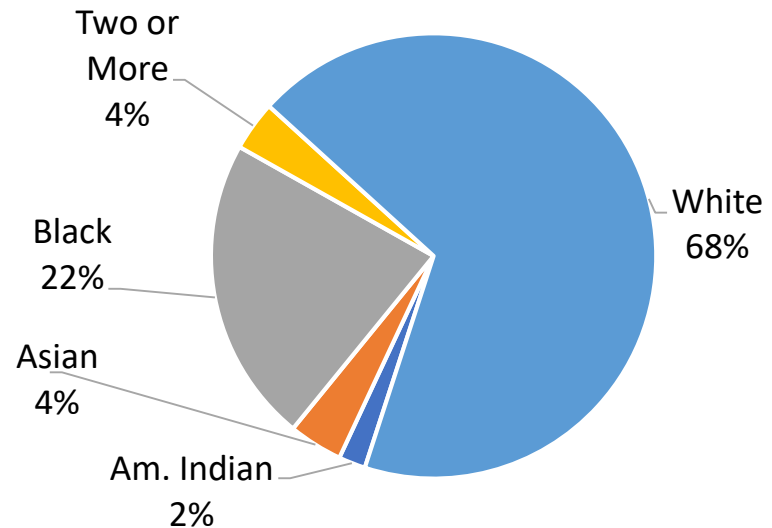
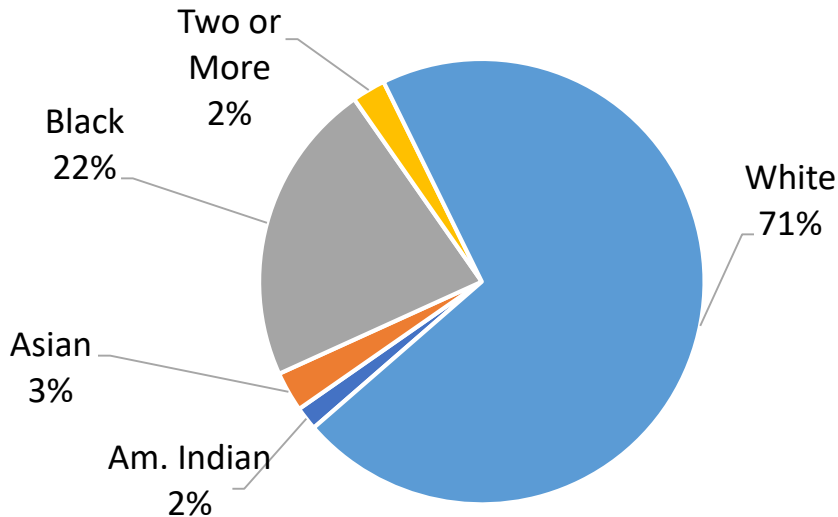
2038



NH = nonHispanic

10.3 Million

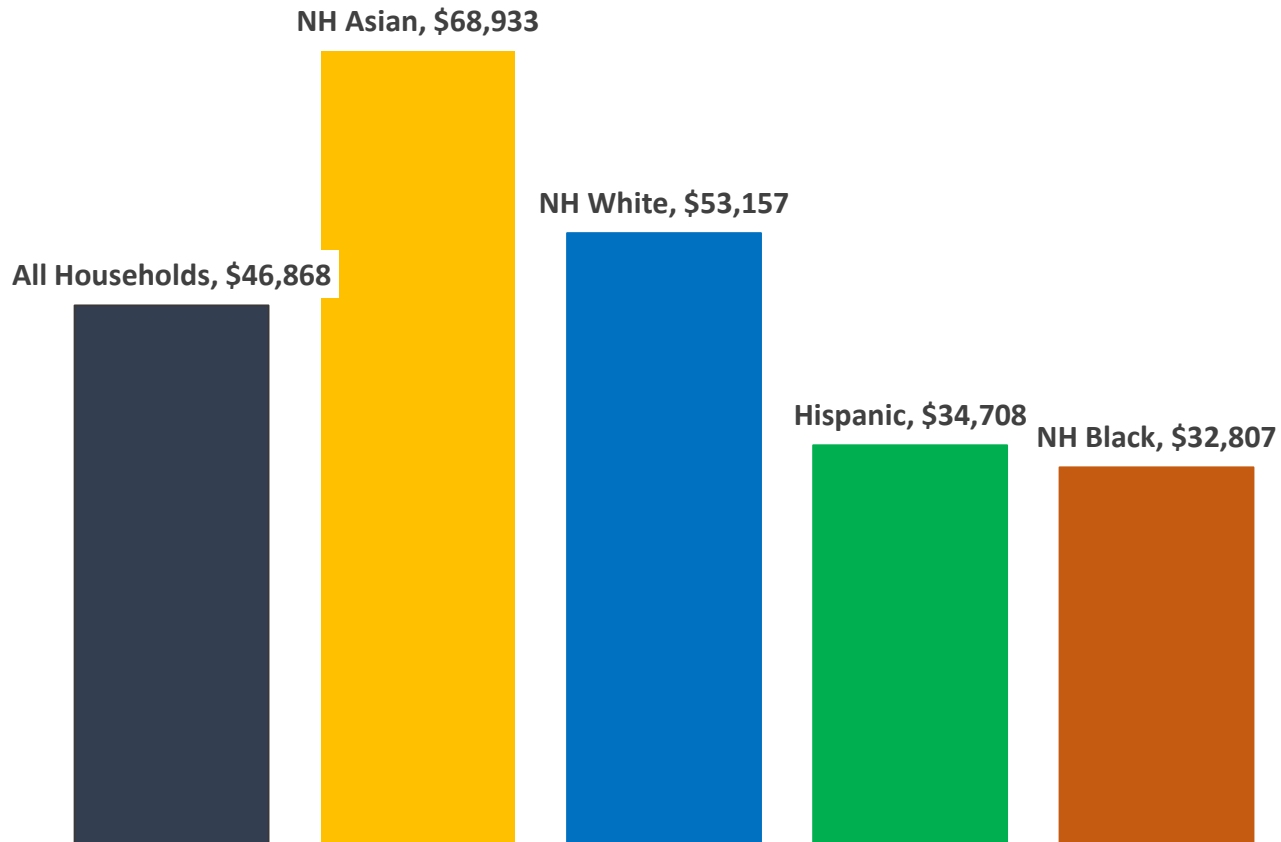
12.8 Million





Median Household Incomes by Race/Ethnicity

Black and Hispanic Incomes are 60-65% of NH White Households



Source: US Census Bureau, American Community Survey, 2011-2015

Implications for Transportation



Demographic Challenges for Transportation

- **Population growth**

- More drivers
- More VMT
- More demand on all modes of transportation

- **Urbanization**

- Increased congestion
- Increased demand for alternative modes of transportation
- Need to maintain transportation system in rural areas



Demographic Challenges (Continued)

- **Aging & race/ethnic change**
 - Attenuate rate of growth in drivers & VMT
 - Increase demand for alternative transportation modes
 - Elderly giving up driving will still need transportation
 - Retired drivers increase road use in non-peak commute hours
 - Proportionally fewer drivers in “risky” ages suggest overall decline in crash rates
 - More elderly drivers suggest increase in elderly involved in fatalities (due to frailty of people involved in crashes not severity of crash)

For Municipal & County Population Estimates
and County Population Projections, See:
<https://www.osbm.nc.gov/facts-figures/demographics>

Make NC Count!
<https://census.nc.gov/>

Thank You!

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