Population Trends in North Carolina & Implications for Transportation

NC Department of Transportation
July 12, 2019

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Office of State Budget & Management, Demographic & Economic Analysis Section
Population Growth
North Carolina Population vs. Other States

9\textsuperscript{th} Largest State at 10.4 Million

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

<table>
<thead>
<tr>
<th>Geographic Area</th>
<th>Population Estimate</th>
<th>Change, 2010-2018</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>April 1, 2010</td>
<td>July 1, 2018</td>
</tr>
<tr>
<td>United States</td>
<td>308,758,105</td>
<td>327,167,434</td>
</tr>
<tr>
<td>California</td>
<td>37,254,523</td>
<td>39,557,045</td>
</tr>
<tr>
<td>Texas</td>
<td>25,146,114</td>
<td>28,701,845</td>
</tr>
<tr>
<td>Florida</td>
<td>18,804,580</td>
<td>21,299,325</td>
</tr>
<tr>
<td>New York</td>
<td>19,378,124</td>
<td>19,542,209</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>12,702,873</td>
<td>12,807,060</td>
</tr>
<tr>
<td>Illinois</td>
<td>12,831,572</td>
<td>12,741,080</td>
</tr>
<tr>
<td>Ohio</td>
<td>11,536,757</td>
<td>11,689,442</td>
</tr>
<tr>
<td>Georgia</td>
<td>9,688,709</td>
<td>10,519,475</td>
</tr>
<tr>
<td>North Carolina</td>
<td>9,535,736</td>
<td>10,383,620</td>
</tr>
<tr>
<td>Michigan</td>
<td>9,884,117</td>
<td>9,995,915</td>
</tr>
</tbody>
</table>

Millions of People

In-Migration Now Major Component of Population Growth

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

Net Migration

More Migration to North Carolina vs Neighbors in Recent Years

Net Domestic and International Migration, April 2010 to July 2018

<table>
<thead>
<tr>
<th>State</th>
<th>Domestic</th>
<th>International</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>North Carolina</td>
<td>72%</td>
<td>28%</td>
<td>560,003</td>
</tr>
<tr>
<td>Georgia</td>
<td>53%</td>
<td>47%</td>
<td>387,595</td>
</tr>
<tr>
<td>South Carolina</td>
<td>87%</td>
<td>13%</td>
<td>359,822</td>
</tr>
<tr>
<td>Tennessee</td>
<td>76%</td>
<td>24%</td>
<td>290,164</td>
</tr>
<tr>
<td>Virginia</td>
<td></td>
<td></td>
<td>200,978</td>
</tr>
</tbody>
</table>

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 --

Charlotte/Raleigh UA
All Other UA*
Urban Clusters*
Rural

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 Growth in NC Since 2010 Has Been Robust, But Uneven

Projected State Percent Growth: 7.8%

Percent Change
- Population Loss (33)
- 7.8+ (25)
- 0 - 7.7 (42)

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

Projected Growth in Majority of NC Counties

Projected State Percent Growth: 21.7%

Percent Change
- Population Loss (17)
- 5.0 - 21.7 (30)
- 0 - 4.9 (26)
- 21.7+ (27)

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

Projected 2.3 Million People Added to North Carolina

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

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Projected Percent Population Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>21.7%</td>
</tr>
<tr>
<td>65+</td>
<td>55.3%</td>
</tr>
<tr>
<td>55-64</td>
<td>7.7%</td>
</tr>
<tr>
<td>25-54</td>
<td>20.1%</td>
</tr>
<tr>
<td>18-24</td>
<td>8.5%</td>
</tr>
<tr>
<td>5-17</td>
<td>11.3%</td>
</tr>
<tr>
<td>&lt;5</td>
<td>18.5%</td>
</tr>
</tbody>
</table>

Population in North Carolina by Age, 2019 and 2038

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

Population by Hispanic Origin & Race

2017

- NH White: 62%
- NH Non-White: 27%
- Hispanic: 10%

NH White: 10.3 Million

2038

- NH White: 58%
- NH Non-White: 29%
- Hispanic: 14%

NH White: 12.8 Million

NH = nonHispanic

Median Household Incomes by Race/Ethnicity

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

- NH Asian, $68,933
- NH White, $53,157
- NH Black, $32,807
- Hispanic, $34,708
- All Households, $46,868

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)

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

Thank You!

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