

NCDOT Demographic Snapshot Tool

Training Manual

June 2026



AECOM





Overview

NCDOT created the Demographic Snapshot Tool to simplify the process of analyzing demographics in North Carolina. The Demographic Snapshot Tool compiles data from the U.S. Census Bureau, as well as other sources, and streamlines that data to produce ready-to-use tables. Instead of reviewing hundreds of fields of information, a user needs only to:

(1) choose a profile and (2) identify the study area using geographic information systems (GIS).

Click on the Profiles below for descriptions of each profile.

Use the Demographic Snapshot Dashboard or Trend Analysis for additional analysis.

Click on the buttons below for more overview information about the tool.

Demographic
Snapshot
Dashboard

NCDOT Community
Studies Profile

Community
Overview Profile

Health Indicator
Profile

Trend Analysis



Demographic Snapshot Tool Training Manual

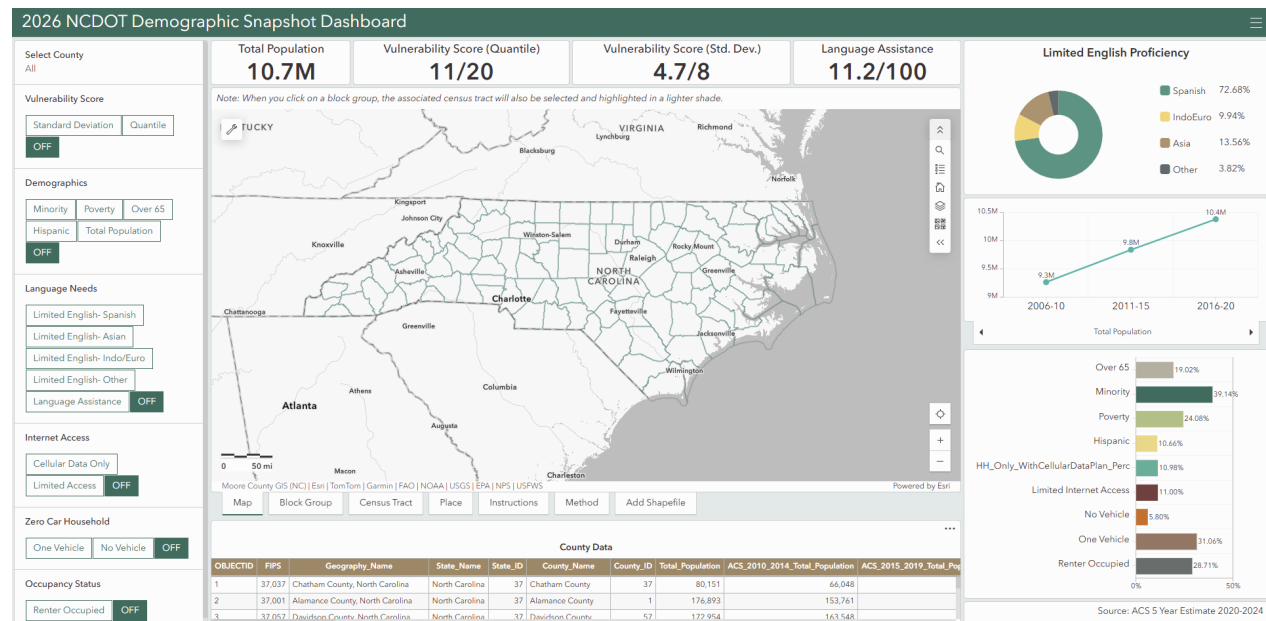


New to 2026 Demographic Snapshot Tool

Since 2025 update, our team has further developed the existing EJ Geospatial dashboard and integrated into the [Demographic Snapshot Dashboard](#). This ArcGIS Online dashboard is expected to facilitate an improved user experience while providing the opportunity to look at the demographic data at a glance, accompanied by an interactive map.

The dashboard is available to users without an ArcGIS account, and users can use this dashboard to download the required data for the Excel tool. Therefore, the users will not need to have a GIS application on their computer or download the file geodatabase anymore.

Please refer to the [How to Use the Tool](#) section in this training manual for the new instructions regarding the dashboard.





How to Use This Manual

Demographic Snapshot Dashboard

Example:
Interactive map of vulnerability scores in the demographic study area

NCDOT Community Studies Profile

Example:
Percentage of zero-car households in the 25 blocks comprising the demographic study area

Community Overview Profile

Example:
Percentage of communities that commute by public transit in the demographic study area

Health Indicators Profile

Example:
Number of pedestrian and bicycle crashes within the study area

Trend Analysis

Example:
Minority population changes over time in the demographic study area

Use this NCDOT Demographic Snapshot Tool to quickly generate demographic profiles for your Project.

This manual is an interactive PDF - buttons are hyperlinked and if you click on them they will take you to the indicated manual section.

Clicking "**Overview**" on the top left will give you background information about the Demographic Snapshot Tool to include (1) types of census data used in the Demographic Snapshot Tool's analysis; (2) an overview of demographic "Profiles" which you can use to conduct analyses; and (3) credits for the creation of the tool.

Before using the Demographic Snapshot Tool, you will have to (1) download the tool components and (2) define a demographic study area which will allow you to (3) create demographic tables. Click on "**How to Use**" on the toolbar below to take you through the process of implementing and using the Demographic Snapshot Tool.

How to Use

Dashboard

A

Excel Tool

B



Navigate backward one page



Navigate forward one page





Census Data Information

The Demographic Snapshot Tool pulls data from the American Community Survey (ACS). The ACS is a survey of a population sample, and therefore an estimate. To the right is a brief description of the ACS data.

For more information, visit:

<https://www.census.gov/programs-surveys/acs>

Census Geographies

The Demographic Snapshot Tool GIS layers present the data at four geographic levels: county, place, census tract, and census block group. Each county comprises of multiple census tracts, and similarly, each census tract is broken down into multiple census block groups. While the U.S. Census Bureau does produce data for other geographies (e.g., congressional districts), these were not included in the Demographic Snapshot Tool GIS Layers.

American Community Survey (ACS) Data

- Detailed survey of random sample of the population
- Collected continuously and has taken the place of the "long form" (or detailed form) of the decennial census
- After 2006, data was collected for people living in group quarters (jails, college dorms, nursing homes, etc.)





Demographic Snapshot Tool Profiles

Each profile curates a group of data which you will find useful based on the type of analysis you're conducting:

- Demographic Snapshot Dashboard - provides a visualization of the geographical distribution of the demographic data
- NCDOT Community Studies Profile - includes datasets needed to complete NCDOT Community Studies reports such as NCDOT Community Impact Assessments (CIA)
- Community Overview Profile - provides a more robust set of data including particular transportation statistics which are often cited in "community profiles" at the beginning of a transportation plan
- Health Indicators Profile - includes health-based datasets

Data Fields Automatically Calculated by Profile

Demographic Snapshot Dashboard	NCDOT Community Studies Profile	Community Overview Profile	Health Indicators Profile
• Total population • Hispanic/Latino • Poverty • Minority (race) • LEP • Internet access • Zero-car household • Occupancy status • Vulnerability Score • Age	• Population change • Race • Hispanic/Latino • Minority • Poverty • Limited English proficiency (LEP) • Zero-car households • Disability • Age • Internet access • Occupancy status • Mobile home	• Median age • Unemployment rate • Workers that work in state of residence • Workers that work outside the state of residence • In-state workers that work in the county of residence • In-state workers that work outside the county of residence • Mean commute time • Commute alone by auto • Commute by carpool • Commute by public transportation • Commute by bike/ped • Commute by other mode • Median household income • Occupied housing units • Vacant housing units • Median housing value • Mobile home rate	• Median household income • Housing + transportation costs % of income • Households with no vehicles available • Travel time to work less than 15 minutes • Number of pedestrian crashes • Number of bicyclist crashes • Average pedestrian crash rate • Average bicyclist crash rate • Age-adjusted motor vehicle mortality rate • Physical inactivity • Access to exercise opportunities • Limited access to healthy foods





Demographic Snapshot Dashboard

The Demographic Snapshot Dashboard provides a quick overview of the geographical distribution of vulnerability-related populations for selected demographics. The data comes from different ACS 5-year estimate datasets (2020-2024 for most of the data fields; 2010-2014 and 2015-2019 for total population change field; and 2006-2010, 2011-2015, 2016-2020 for trend analysis). While the map on the dashboard is at the block group level, the data attribute tables are available at four census geographic levels: block group, census tract, place, and county. The dashboard can be used to download the datasets required for the Demographic Snapshot Excel Tool. It can also be used before and during the Community Characteristic Report (CCR) process and Community Understanding Report (CUR).

Link to the Demographic Snapshot Dashboard: <https://aecom.maps.arcgis.com/apps/dashboards/de184d3f53664485aaaaa9870003af88>

The main data fields available in the dashboard are:

- Total population
- Hispanic/Latino
- Poverty
- Minority (race)
- LEP
- Internet access
- Zero-car household
- Occupancy status
- Vulnerability Score
- Age





NCDOT Community Studies Profile

The NCDOT Community Studies Profile is used to perform demographic analyses for NCDOT Community Studies reports such as CIAs. In addition, the profile identifies block groups meeting the NCDOT thresholds for minority, poverty, and limited English proficiency (LEP) populations. The profile is available at the block group, census tract, county, place, and state geographic levels.

The following datasets are included in the NCDOT Community Studies Profile:

- Population change
- Race
- Hispanic/Latino
- Minority
- Poverty
- LEP
- Zero-car household
- Disability
- Age
- Internet access
- Occupancy status
- Mobile home

Note: The NCDOT Community Studies Profile incorporates analytical thresholds for minority, poverty, and LEP populations, established by NCDOT to alert practitioners when additional actions for state or federal studies are needed. Click "Next" below to learn about the Community Overview Profile.





Community Overview Profile

The Community Overview Profile provides an overview of the community at the demographic study area, place, county, and state geographic levels. It contains a more robust set of demographic indicators than the NCDOT Community Studies Profile, including particular transportation statistics that are often cited in "community profiles" at the beginning of a transportation plan.

The following datasets are included in the Community Overview Profile:

- Median age
- Unemployment rate
- Workers that work in state of residence
- Workers that work outside the state of residence
- In-state workers that work in the county of residence
- In-state workers that work outside the county of residence
- Mean commute time
- Commute alone by auto
- Commute by carpool
- Commute by public transportation
- Commute by bike/ped
- Commute by other mode
- Median household income
- Occupied housing units
- Vacant housing units
- Median housing value
- Mobile home rate





Health Indicators Profile

The Health Indicators Profile includes health-based datasets. The Health Indicators Profile generates the health impacts table included as an appendix to NCDOT CIAs. It is available at the demographic study area, place, county, and state geographic levels.

The following datasets are included in the Health Indicators Profile:

- Median household income
- Housing + transportation costs % of income
- Households with no vehicles available
- Travel time to work less than 15 minutes
- Number of pedestrian crashes
- Number of bicyclist crashes
- Average pedestrian crash rate
- Average bicyclist crash rate
- Age-adjusted motor vehicle mortality rate
- Physical inactivity
- Access to exercise opportunities
- Limited access to healthy foods

Note: Unlike the NCDOT Community Studies Profile and the Community Overview Profile, datasets synthesized in the Health Indicators Profile include U.S. Census Bureau's ACS data as well as data from the Center for Neighborhood Technology, the NCDOT North Carolina Bicycle and Pedestrian Crash Data Tool, Center for Disease Control (CDC) Diabetes Interactive Atlas, Business Analyst Delorme map data, Esri and U.S. Census Tigerline Files, the United States Department of Agriculture (USDA) Food Environment Atlas, and the North Carolina State Center for Health Statistics.





Trend Analysis

The Trend Analysis provides a historical comparison for selected demographics. The data comes from three different ACS 5-year estimate datasets. It is available at the block group, county, place, and state geographic levels.

The following datasets are available in the Trend Analysis tab:

- Total population
- Race
- Hispanic/Latino
- Minority
- Poverty
- LEP
- Zero-car household
- Occupancy status
- Mobile home





Credits

North Carolina Department of Transportation (NCDOT) - Raleigh, NC

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The data information has been provided by the following:

- Business Analyst Delorme map data, Esri, and U.S. Census Tigerline Files
- Center for Disease Control (CDC) Diabetes Interactive Atlas
- Center for Neighborhood Technology
- County Health Rankings and Roadmaps Program
- NCDOT North Carolina Bicycle and Pedestrian Crash Data Tool
- North Carolina State Center for Health Statistics
- Jonathan Schroeder, David Van Riper, Steven Manson, Katherine Knowles, Tracy Kugler, Finn Roberts, and Steven Ruggles. IPUMS National Historical Geographic Information System: Version 20.0 [dataset]. Minneapolis, MN: IPUMS. 2025. <http://doi.org/10.18128/D050.V20.0>
- United States Department of Agriculture (USDA) Food Environment Atlas
- US Census Bureau.

Notice: The NC Demographic Snapshot Tool is intended to provide the NCDOT with assistance in interpreting data from the U.S. Census Bureau. The user is responsible for the final product and for verifying the accuracy of outputs. The dataset associated with this document has been provided to AECOM from a U.S. Census Bureau database, which is freely available to the public. AECOM has relied on this information as furnished, and is neither responsible for nor has confirmed the accuracy of this information.





How to Use the Tool

This section provides instructions for using the NCDOT Demographic Snapshot Dashboard and Demographic Snapshot Excel Tool, as well as instructions for the add-on tool, Trend Analysis. The tool is configured to auto-calculate totals, differences, and percentage of change for each indicator. Once complete, the individual tables can be copied directly into CIAs and other reports. For ease of use, all datasets use consistent heading names, and fields are in the same order. Use of this tool requires access to Microsoft Excel and an internet browser.

The Demographic Snapshot Tool has two major parts-

- Part A: Demographic Snapshot Dashboard
- Part B: Demographic Snapshot Excel Tool

The next sections provide detailed guidance on how to use each of the components.

How to Use

Dashboard

A

Excel Tool

B





Demographic Snapshot Tool Training Manual

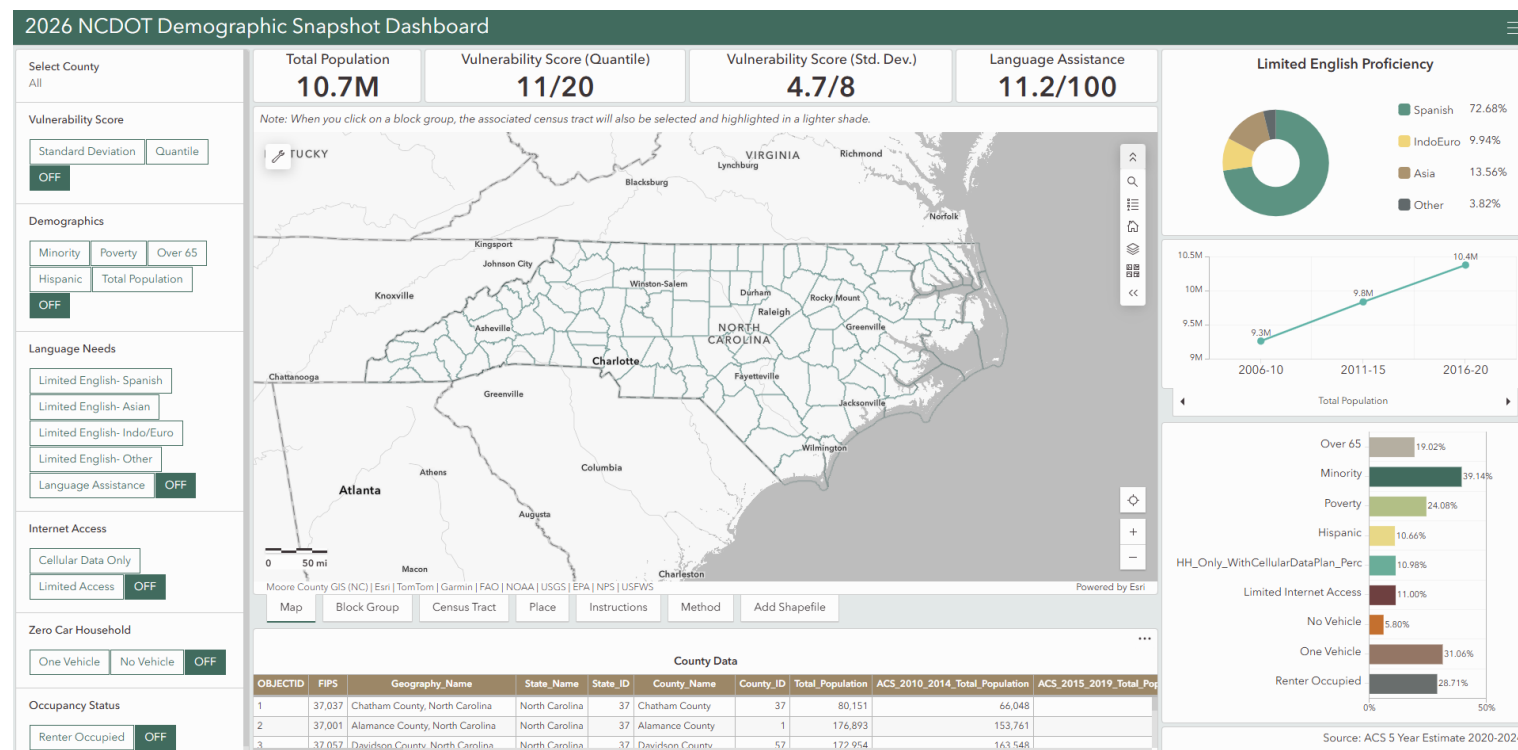


Part A: Demographic Snapshot Dashboard

Step A1: Open Dashboard

The Demographic Snapshot Dashboard allows you to look at the demographics at a glance, and download the full datasets at block group, census tract, place, and county levels.

Use the following link to open the Demographic Snapshot Dashboard: <https://aecom.maps.arcgis.com/apps/dashboards/de184d3f53664485aaaa9870003af88>. Please allow a few moments for the dashboard to load.





Part A: Demographic Snapshot Dashboard

Step A2: Identify Demographic Study Area

The Demographic Snapshot Tool works by relating a study area chosen by a user to hundreds of census data fields for quick and easy analysis. The main input by a user is the chosen geographic area - a Demographic Study Area - for analysis. The next steps will take you through the process of identifying a study area, selecting relevant records for that study area, and copying these records into the Excel Tool.

Note: NCDOT has resources available to assist with the process of determining the boundaries of a Demographic Study Area for a CIA; go to this website to learn more:

<https://connect.ncdot.gov/resources/Environmental/EAU/PICSViz/CSDocuments/CIA%20Guidance%20December%202021.docx>. If the analysis is done for a project sponsored by NCDOT, the Demographic Study Area must be defined in consultation with NCDOT.

In step A4, you will be able to download the two datasets (Block Group and Census Tract datasets) necessary for the Demographic Snapshot Tool's calculations based on your demographic study area. These datasets have been configured specifically for use with the Excel Tool to correlate study area inputs with the formulas in the spreadsheet to return detailed demographic data tables. You can find additional information about the datasets in the Glossary and the Technical Documentation of this manual.





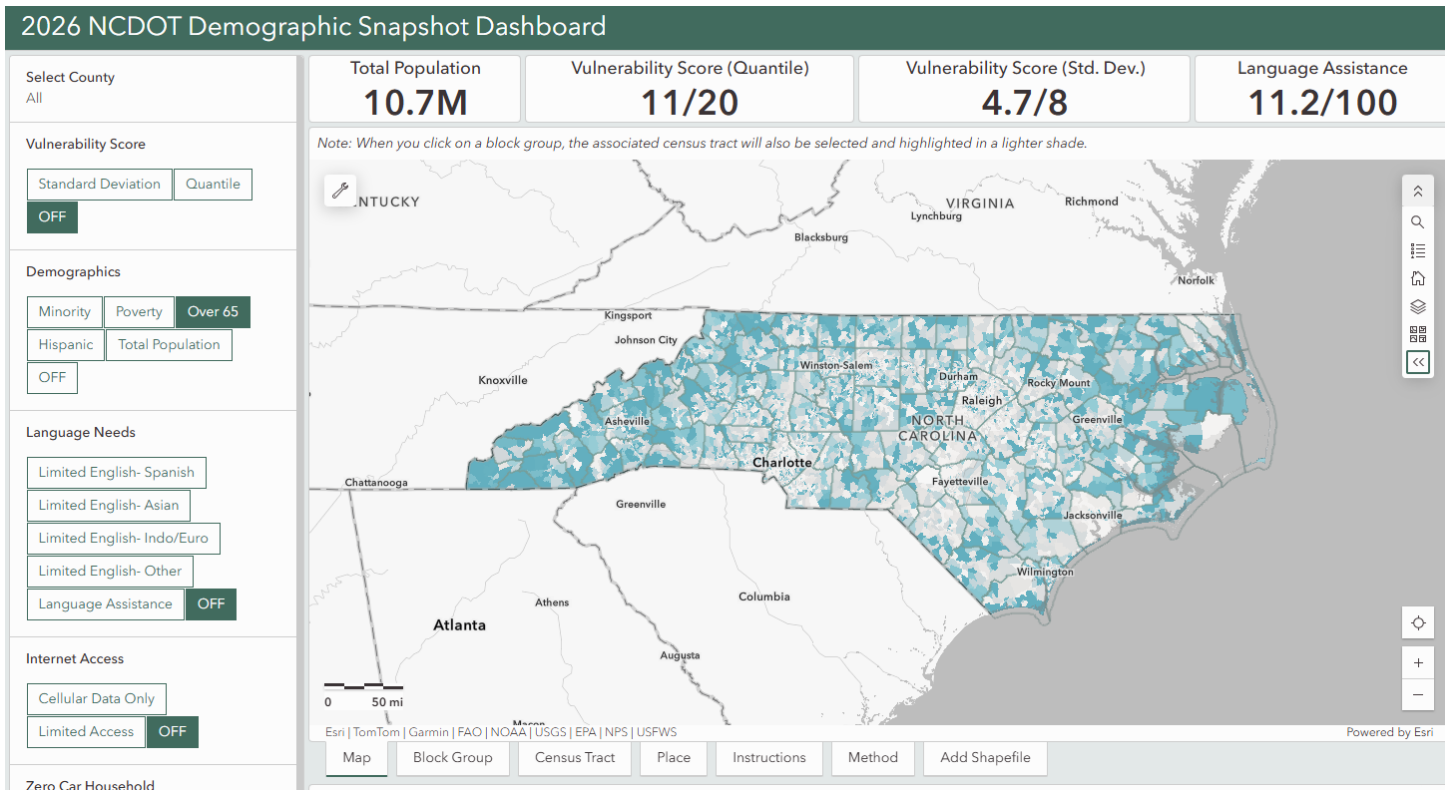
Part A: Demographic Snapshot Dashboard

Step A3: Explore the Interactive Dashboard

The Demographic Snapshot Dashboard comprises of two parts: 1) choropleth maps of demographic data, 2) an overview of the study area population characteristics based on user selection.

1. Choropleth Maps

The map on the dashboard has different layers with choropleth (thematic) maps showing the distribution of data across the state. Click on the buttons on the left side bar to toggle layers showing different demographic variables. Use the buttons on top right of the map to look at the layers, legends, search a specific area, or change the basemap.



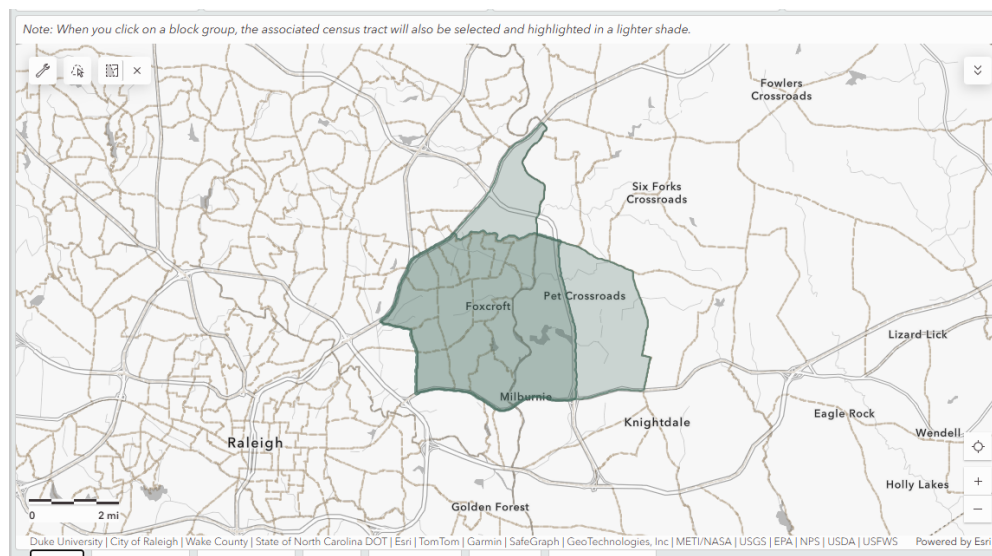


Part A: Demographic Snapshot Dashboard

Step A3: Explore the Interactive Dashboard

2. Overview of the Demographics

By default, all charts display the averages for the entire state. The dashboard can be filtered by selecting the study area on the map.



- While on the 'Map' tab, select the block group(s) of interest on the map. Use shift + click to select multiple block groups. Alternatively, use the selection tools on top left of the map to select the desired area. Please note, when you select a block group, the associated census tract will also be selected and highlighted in a lighter shade. All four data tables will be filtered and the charts on the dashboard will change accordingly.

TIP: If you want to look at all block groups of a county, use the 'Select County' filter on the top left corner to select your county of interest. This will filter all the tables by the county, no need to select the block groups on the map.

- Navigate the Block Group, Census Tract, and Place tabs to view the data tables of the selected area and compare the variables at different geographic levels.





Part A: Demographic Snapshot Dashboard

Step A4: Downloading the Datasets

The data tables can be downloaded to use with the Excel tool. Although the data tables on the dashboard show some selected fields, the downloaded CSV files will contain the full datasets with all necessary fields. For generating the demographic tables with the Excel tool, only the Block Group and Census Tract level datasets are required. This process replaces the need to download the file geodatabase and have experience with GIS applications.

The following steps detail the process of downloading the datasets:

- Follow the steps on A3 to select the study area.
- Once the study area is selected, click on the Block Group tab to view the data table of the selected block groups. You should be able to see only the selected block groups in the table. Click on the three dots at the top right of the table to download the selected data as a CSV file.
- Follow the same process to download the data tables for other geographic levels.
- To use the Excel tool and prepare demographic tables, use the following link to download the Excel tool components: <https://connect.ncdot.gov/resources/environmental/eau/picsviz/csddocuments/forms/allitems.aspx>. The link is also available in the Instructions tab on the dashboard. Proceed to Part B of this manual for guidance on operating the Excel tool.

OBJECTID	Geography_Name	State_Name	State_ID	County_Name	County_ID	Tract	BlockGroup	Total_Pop	Download source data
6749	Block Group 1, Census Tract 527.07, Wake County, North Carolina	North Carolina	37	Wake County	183	527.07	1	991	
6750	Block Group 2, Census Tract 527.07, Wake County, North Carolina	North Carolina	37	Wake County	183	527.07	2	2,339	
6751	Block Group 3, Census Tract 527.07, Wake County, North Carolina	North Carolina	37	Wake County	183	527.07	3	970	
6752	Block Group 4, Census Tract 527.07, Wake County, North Carolina	North Carolina	37	Wake County	183	527.07	4	1,549	
6317	Block Group 2, Census Tract 541.13, Wake County, North Carolina	North Carolina	37	Wake County	183	541.13	2	3,047	
6325	Block Group 2, Census Tract 541.16, Wake County, North Carolina	North Carolina	37	Wake County	183	541.16	2	1,459	
6326	Block Group 3, Census Tract 541.16, Wake County, North Carolina	North Carolina	37	Wake County	183	541.16	3	2,484	
6327	Block Group 1, Census Tract 541.17, Wake County, North Carolina	North Carolina	37	Wake County	183	541.17	1	2,775	
6328	Block Group 2, Census Tract 541.17, Wake County, North Carolina	North Carolina	37	Wake County	183	541.17	2	1,971	
6329	Block Group 3, Census Tract 541.17, Wake County, North Carolina	North Carolina	37	Wake County	183	541.17	3	1,171	
6330	Block Group 1, Census Tract 541.18, Wake County, North Carolina	North Carolina	37	Wake County	183	541.18	1	2,451	
6331	Block Group 2, Census Tract 541.18, Wake County, North Carolina	North Carolina	37	Wake County	183	541.18	2	2,823	
6332	Block Group 1, Census Tract 541.19, Wake County, North Carolina	North Carolina	37	Wake County	183	541.19	1	3,511	
6333	Block Group 2, Census Tract 541.19, Wake County, North Carolina	North Carolina	37	Wake County	183	541.19	2	3,951	
6334	Block Group 3, Census Tract 541.19, Wake County, North Carolina	North Carolina	37	Wake County	183	541.19	3	489	





Part A: Demographic Snapshot Dashboard

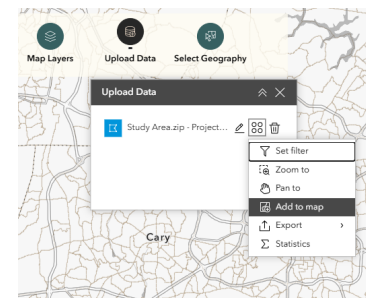
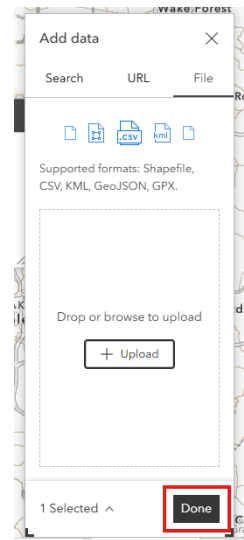
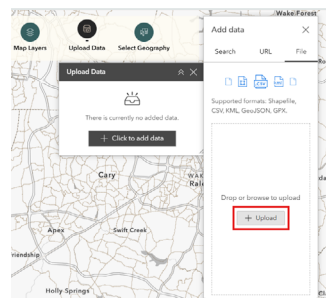
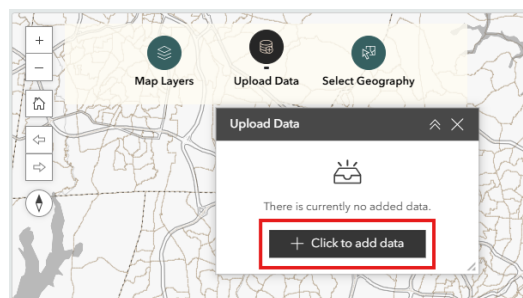
Step A5: Add Shapefile (Optional)

The dashboard also has a feature to upload data so the users can use their study area as a reference while selecting the block groups. The following steps detail the process of uploading data, selecting geography, and exporting selected data:

- On the 'Add Shapefile' tab, click on the 'Upload Data' button to upload a layer from the portal, using a URL, or from your device.

Note: To upload a shapefile, the shapefile and associated files will need to be uploaded as a compressed zip file

- Make sure to click 'Done' after uploading the data
- The uploaded layer will show up in the 'Upload Data' window. Click on the 'Actions' button to add the data to the map.

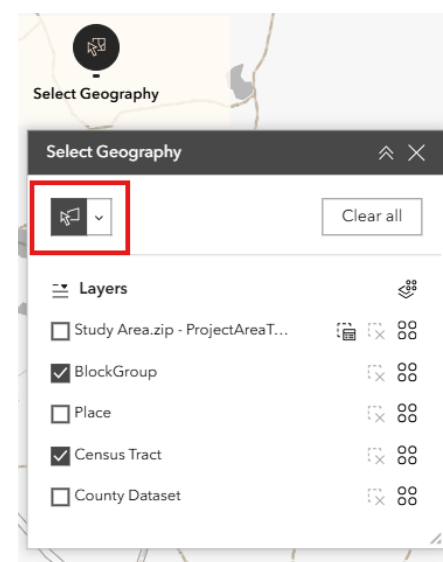
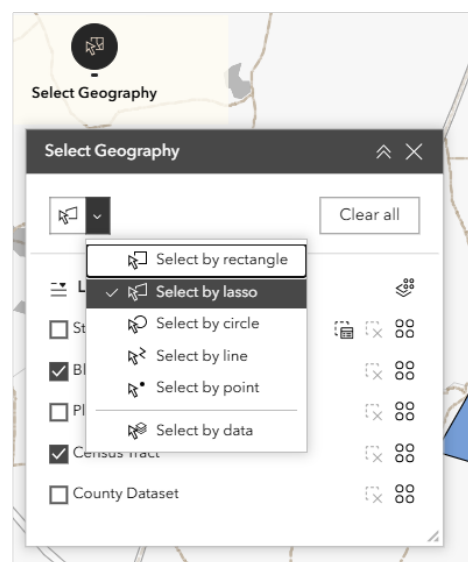
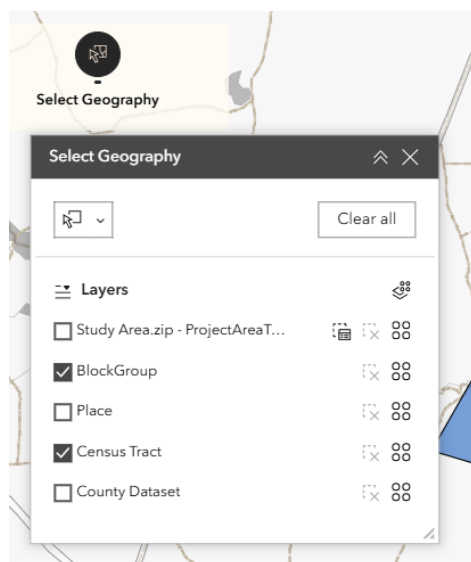




Part A: Demographic Snapshot Dashboard

Step A5: Add Shapefile (Optional)

- Once the layer has been added to the map, the map will zoom to the layer
- Next, you can select the geographies to download using the 'Select Geography' tool
- On the 'Select Geography' window, uncheck the layers you do not want to download. Keep the Block Group and Census Tract layers checked if you want to use the data in the Demographic Snapshot Excel Tool.
- Click on the dropdown next to the Selection Tool button to choose a selection method. Make sure the Selection tool is activated (the cursor will change to crosshair)



Note: Selecting geographies in this tab will not filter other elements (e.g. Tables, charts, etc.) of the dashboard.

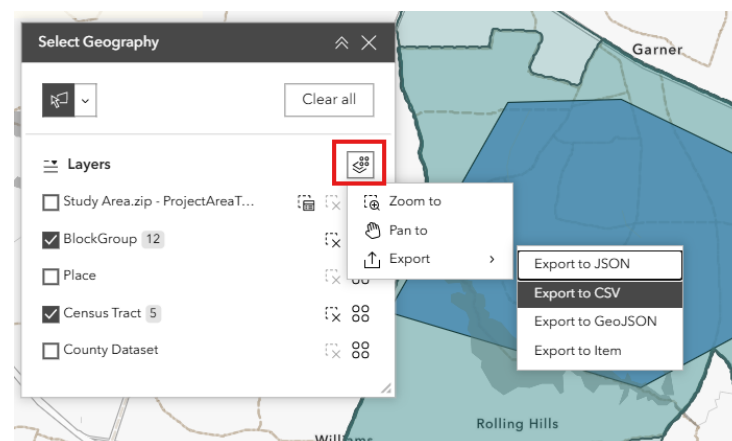
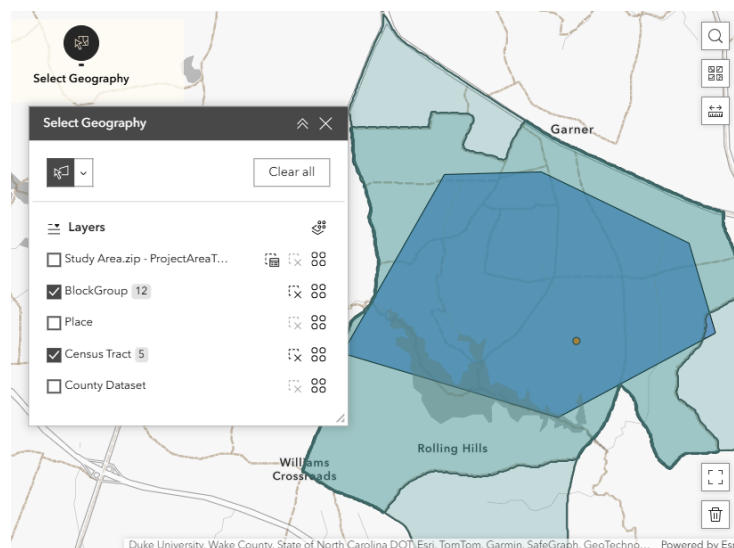




Part A: Demographic Snapshot Dashboard

Step A5: Add Shapefile (Optional)

- Select the desired block groups using the selection tool. The 'Select Geography' window will show the number of features selected in each layer.
- Click the 'Actions' button to export the selected data to desired format. Export the data to CSV in order to use it in the Excel Tool. Data of all the selected layers will be exported. [Tip: To export data of specific layer(s), click on the individual 'Actions' button beside the layer(s).]





Part B: Demographic Snapshot Excel Tool

Step B1: Download the Tool Components

As mentioned in step A4, navigate to the Connect NCDOT website at: <https://connect.ncdot.gov/resources/environmental/eau/picsviz/csdocuments/forms/allitems.aspx> to download the tool components.

Click on the highlighted file as shown to download the zipped folder entitled "2026 NCDOT Demographic Snapshot Tool". The zip file will most likely be found in "Downloads". Extract the zipped folder.

The folder has five components, as follows:

Excel Tool

(Demographic Snapshot Excel Tool 2026.xlsm): This spreadsheet is used in step B2 to enter the demographic study area data and in step B3 to create demographic data tables. The spreadsheet is pre-formatted with calculations particular to the selected profile.

Example File

(Demographic Snapshot Excel Tool 2026 Example.xlsm): This spreadsheet represents the completion of all steps for an example demographic study area in Wake County, North Carolina.

Trend Analysis Dataset

This folder contains three Excel files with three 5-year datasets for the trend analysis. Reference step B4 for the instructions on the trend analysis.

Name	Date modified	Type	Size
2026 NCDOT Demographic Snapshot Tool Training Manual	5/21/2026 3:26 PM	Microsoft Edge P...	8,672 KB
Demographic_Snapshot_Excel_Tool_2026	5/21/2026 3:26 PM	Microsoft Excel M...	4,372 KB
Demographic_Snapshot_Excel_Tool_2026_Example	5/21/2026 3:26 PM	Microsoft Excel M...	4,971 KB
DemographicSnapshotTool_2026.gdb	5/21/2026 3:26 PM	File folder	
Trend Analysis Dataset	5/21/2026 3:26 PM	File folder	





Part B: Demographic Snapshot Excel Tool

Step B1: Download the Tool Components

GIS Database

(DemographicSnapshotTool_2026.gdb): The Demographic Snapshot Tool GIS database is a file geodatabase that houses multiple GIS feature classes. It will appear as a folder in Windows Explorer, and the data therein can be accessed using GIS applications, including ArcGIS Pro, ArcMap, and ArcCatalog.

The GIS data is in a feature class format instead of shapefiles to allow for longer field names, as well as for data organization. It is not recommended to convert the feature class to a shapefile, as that will truncate the field names.

Note: The file geodatabase is not needed for operating the new Excel tool. However, it can be used for spatial analysis and creating maps if needed.

Training Manual

(2026 Demographic Snapshot Tool Training Manual): The folder contains this training manual.





Part B: Demographic Snapshot Excel Tool

Step B2: Copy and Paste Information

This step will take you through the process of copying information for the selected geographies to the Excel Tool.

1. From Block Group Dataset

Follow the steps below to copy and paste data from the Block Group dataset:

- Open the Demographic Snapshot Excel Tool. The Excel spreadsheet will open on the "Start" tab. You might receive a Security Warning message in your banner. Click "Enable Content" to continue.
- Under "Section A" you will see a gray button that says "Enter Data from 'Block Group' dataset." Click this button to go to a hyperlinked tab called "Data_BG_Selected".
- If you are working on the example file, you will be asked if you want to clear the worksheet. Click 'Yes'.
- Open the CSV file containing the Block Group data downloaded in step A3. You will be prompted to convert digits surrounding the letter "E" into scientific notation. Click "Don't Convert."

Continued on next page...



Select Block Groups and Census Tracts from the Study Area

In the Demographic Snapshot Dashboard, select the block groups from the study area to be included in the demographic analysis. The dashboard will automatically filter the census tracts. Download the source data from the dashboard. Refer to the 'instructions' tab on the dashboard if needed.

For each dataset below, open the CSV file, copy the rows, and paste them into the corresponding Excel tabs.

Start with an original version of this demographic tool, or clear block group and census tract level data before pasting.

Refer to the NCDOT Demographic Snapshot Tool Training Manual for further guidance.

Enter Data from "Block Group" dataset

Table contains 16 Block Groups

Enter Data from "Census Tract" dataset for Disability Data

Table contains 15 Census Tracts

2378	2171	2296	2378	207	0.09534777
1529	2106	1781	1529	-577	-0.2739791
Microsoft Excel					
Warning: This sheet contains existing block group data. Would you like to clear the sheet now?					
Yes No					
2116	3221	3737	2116	-1105	-0.3430611
2615	1797	2130	2615	818	0.4552031





Part B: Demographic Snapshot Excel Tool

Step B2: Copy and Paste Information

- Copy all the rows (including header) of the dataset.
- Go back to the excel tool in the 'Data_BG_Selected' tab.
- In cell A2, paste the selected records.
- Click 'Return to Start Page' on top left of the tab to go back to the 'Start' tab.

2. From Census Tract Dataset

The same steps as the previous one will be repeated for the Census Tract data.

- Under "Section A", click the other gray button that says "Enter Data from 'Census Tract' dataset" to take you to a hyperlinked tab called 'Data_Tract_Selected'.
- Open the CSV file containing the Census Tract dataset.
- Copy all the rows (including Header) of the dataset.
- Go back to the excel tool in the 'Data_Tract_Selected' tab
- In cell A2, paste the selected records
- Click 'Return to Start Page' on top left of the tab to go back to the 'Start' tab



Part B: Demographic Snapshot Excel Tool

Step B3: Create Demographic Tables

Once you have completed pasting data into the Excel Tool in B2, you are ready to use the Excel Tool in this step to quickly calculate demographic statistics for your Demographic Study Area.

1. Choose Places and Counties for Comparison

Navigate to the "Start" tab in the Excel Tool. "Section B" contains menus that allow for comparisons with the Demographic Study Area selected in step A4.

- To add cities, towns, or census designated places (CDPs) to compare to your Demographic Study Area:
 - Start typing in the "places" dialog box, OR
 - Choose a place from the drop-down list under "places"
 - Click "Add Place to Comparison" after each of your selections.
- To add counties to compare to your Demographic Study Area:
 - Start typing in the "counties" dialog box, OR
 - Choose a place from the drop-down list under "counties"
 - Click "Add County to Comparison" after each of your selections.
- To reorganize the order of the places and counties selected, click the up and down arrows to reorder the counties and places for your comparison.

B

Select Places and Counties for Comparison

Below, select the Places and Counties to be included in the demographic tables as a point of comparison.

Places

Counties

Click on the dropdown arrows or begin typing in the white box to select a place or county.

To add a selected place or county to the comparison, click the corresponding grey button.

Use the up and down arrows to revise the order in which your selections will appear on

Remove an individual selection or clear all selections using the indicated buttons to the

Class

▲		▼
Remove Selected Item		
Clear All Selections		





Part B: Demographic Snapshot Excel Tool

Step B3: Create Demographic Tables

2. Prepare Tables

Once the places and counties for comparison have been selected in "Section B", scroll down to click "Prepare Tables" under "Section C".

Navigate amongst the tabs of the Excel Tool.

- The dark green tabs correspond to the NCDOT Community Studies Profile.
- The brown tab provides charts for comparison.
- Dark red tab corresponds to the Community Overview Profile.
- Lime green tab corresponds to the Health Indicators Profile.



Prepare Demographic Tables

After study area data has been added (Step A) and comparison geographies have been selected (Step B), click the button below to format output tables to fit your data.

Prepare Tables

Population Change - 2010 to 2024

Historical ACS data is used to compare population changes from 2010 to 2024. The tables are linked to the Data tabs, and will automatically populate once the Data tabs are completed. Once complete, you can copy the table and paste directly into your report.

Geography 2010	ACS 2010-2014 Population	ACS 2015-2019 Population	ACS 2020-2024 Population	Difference	Percent Change	Annual Growth Rate
CT 041 15.05.2	1,036	2,581	3,047	1,411	88.2%	6.4%
CT 041 16.05.2	775	1,347	1,450	274	35.5%	2.7%
CT 041 17.05.2	1,047	1,855	2,484	1,443	138.0%	5.1%
CT 041 18.05.2	2,719	2,738	2,775	56	2.1%	0.2%
CT 041 19.05.2	2,052	2,063	1,971	-81	-3.9%	-0.3%
CT 041 20.05.2	1,433	1,539	1,571	138	9.6%	0.5%
CT 041 21.05.2	2,175	2,296	2,481	234	10.8%	0.5%
CT 041 22.05.2	2,764	2,708	2,823	59	0.2%	0.1%
CT 041 23.05.2	1,143	1,653	1,511	-142	-12.4%	-0.5%
CT 041 24.05.2	2,728	4,062	3,551	1,228	45.0%	1.6%
CT 041 25.05.2	769	1,259	485	-104	-13.5%	-0.5%
CT 041 26.05.2	1,001	1,009	991	-10	-1.0%	-0.0%
CT 041 27.05.2	1,081	1,079	2,339	758	69.8%	4.2%
CT 041 28.05.2	2,271	1,844	979	-1,292	-57.0%	-2.5%
CT 041 29.05.2	2,008	1,517	1,549	-239	-11.9%	-0.5%
State	65,609	84,319	91,981	26,372	40.2%	1.6%
North Carolina	10,708,287	10,708,287	10,708,287	0	0.0%	0.0%

ACS 2010-2014 Population: Provided from the ACS 2010-2014, 5-year, Population field in the dataset.
ACS 2020-2024 Population: Provided from the ACS 2020-2024, 5-year, Population field in the dataset.

Source: US Census Bureau, American Community Survey 5-year Estimates: 2010-2014, 2015-2019, and 2020-2024, Table B01001, "Total Population".

Calculations

Start | Population Change | Race | Hispanic/Latino | Minority | Poverty | LEP | Zero Car/HV | Disability | Age | Internet Access | Occupancy Status | Mobile Home | Charts | Trend Analysis | Community Overview

You are now ready to copy and paste the tables from the Demographic Snapshot Excel Tool into your report.





Part B: Demographic Snapshot Excel Tool

Step B4: Trend Analysis (optional)

1. Navigate to the "Start" tab in the Excel Tool and click on the 'Trend Analysis' button.
2. Choose geographies to include by clicking the check boxes.
3. Select years to compare in Trend Analysis by clicking the check boxes. Establish links to the trend analysis spreadsheets by clicking the 'Link' button and navigating to the Trend Analysis folder. Select the trend analysis data spreadsheet that corresponds to the years listed to the left of the 'Link' button. Repeat this process for all years.

Note: A warning will appear if an incorrect spreadsheet is selected. If this occurs, click 'OK' and repeat this step.

Continued on next page...

A

Select Block Groups and Census Tracts from the Study Area

In the Demographic Snapshot Dashboard, select the block groups from the study area to be included in the demographic analysis. The dashboard will automatically filter the census tracts. Download the source data from the dashboard. Refer to the 'Instructions' tab on the dashboard if needed.

For each dataset below, open the CSV file, copy the rows, and paste them into the corresponding Excel tabs.

Start with an original version of this demographic tool, or clear block group and census tract level data before pasting.

Refer to the NCDOT Demographic Snapshot Tool Training Manual for further guidance.

Enter Data from "Block Group" dataset

Table contains 16 Block Groups

Enter Data from "Census Tract" dataset for Disability Data

Table contains 15 Census Tracts



Select Places and Counties for Comparison

Navigation
Demographic Snapshot Dashboard
About & Credits
NCDOT Community Studies Profile
Community Overview Profile
Health Indicators Profile
Charts of Selected Demographics
Trend Analysis
Workspace
Classic
Compact

Trend Analysis

1

Choose geographies to include in the trend analysis by clicking the checkboxes below.

- ☒ DSA
- ☒ Places
- ☒ Counties
- ☒ State

2

Select years to compare in Trend Analysis by clicking the checkboxes below and link Trend spreadsheets.

☒ 2016-2020	Link	Calculated_ACS_2016-2020_Year.xlsx
☒ 2011-2015	Link	Calculated_ACS_2011-2015_Year.xlsx
☒ 2006-2010	Link	Calculated_ACS_2006-2010_Year.xlsx





Part B: Demographic Snapshot Excel Tool

Step B4: Trend Analysis (optional)

4. Choose a demographic for comparison from the drop-down menu. The tool will display a description of the chosen demographic and identify the smallest geography available for the Demographic Study Area. For example, disability data is available at the census tract level and larger.

5. Once all links have been established in Step 4, click 'Refresh'.

Note: Refresh must be clicked each time a new demographic is chosen. Every time a new dataset is pasted into the excel tool, the trend analysis table will show N/A in most of the cells. Click the "Fix 'N/A' Cells" button to fix that.

6. Click 'Reset' to reset the chosen geographies, years, and demographic as well as remove trend analysis spreadsheet links.

Note: The Reset action cannot be undone.

3

Choose a demographic for comparison.

Total_Population	▼
Total_Population	▲
Total_Population_forRace	
White	
Black	
AmIndianAKNative	
Asian	
HawaiianOrPislander	
OtherRace	▼

3

Choose a demographic for comparison.

Total_Population	▼
Demographic Description	
Total population	
Geography Available for DSA	
Block Group	

4

Refresh Data each time a demographic is chosen.

Refresh

Note: If the cells show "N/A", click the button below

Fix 'N/A' Cells

Reset





Glossary

CombinedData Dataset- Dataset containing all the fields used to generate tables in the Demographic Snapshot Excel Tool, including both calculated data and minimally processed data. It also includes fields containing the ACS five-year estimates for 2010-2014, 2015-2019, and 2020-2024 appropriated to 2020 geographies for population comparisons. The dataset is available at block group, census tract, place, and county level, with some fields varying between different geographic levels depending on data availability. This dataset can also be used for mapping in GIS the results of the Demographic Snapshot Excel Tool.

CalculatedData Dataset- Dataset containing the fields used to generate the NCDOT Community Studies Profile plus the calculated fields shown in the Demographic Snapshot Excel Tool such as the percentage of minorities. This dataset is used for the Trend Analysis section of the tool.

Census Geography - Area that the demographics pertain to such as block groups, census tracts, counties, and places

Demographic Snapshot Excel Tool - Excel-based tool that generates the demographic tables contained in the Profiles

Demographic Snapshot Dashboard – ArcGIS Online Dashboard containing interactive maps, charts, and datasets that supports the Demographic Snapshot Tool

Demographic Study Area - Region comprised of block groups for the purpose of demographic analysis

Data Table – The tables on the Demographic Snapshot Dashboard containing the datasets at different geographic levels

File Geodatabase - Database format used to organize GIS data, composed of feature datasets and feature classes

GIS Feature Class - GIS layer of spatial data stored in a GIS feature dataset

GIS Feature Dataset - Collection of feature classes within a file geodatabase

Processed Census Datasets - Census data provided by the U.S. Census Bureau that is processed to include the calculations, naming conventions, and field order required for the NCDOT Demographic Snapshot Tool

Profile - Collection of demographics related to a specific theme, for example the Health Indicators Profile includes health-related demographics



Technical Documentation

This appendix provides technical documentation including the data sources and calculations used in the creation of the NCDOT Demographic Snapshot Tool. In addition, a data dictionary is provided for each dataset that describes the field names and indicates at which geographic level the demographic is available.

1.0 Profile/Tool Overview

The NCDOT Demographic Snapshot Tool comprises three profiles and two tools: NCDOT Community Studies Profile, Community Overview Profile, Health Indicators Profile, Demographic Snapshot Dashboard, and Trend Analysis. Each profile/tool is intended to provide a specific snapshot of the community as described below. They are each comprised of *datasets*, which are Excel tables and ArcGIS feature layers containing the data and are available at multiple *geographies*: block groups, census tracts, counties, and places. Table 1 summarizes the datasets and geographies by profile.

The **NCDOT Community Studies Profile** is used to perform demographic analyses for NCDOT Community Studies reports such as Community Impact Assessments (CIA). The profile includes the following demographics: population change, race, Hispanic/Latino, minority, poverty, limited English proficiency (LEP), zero-car households, disability, age, internet access, occupancy status, and mobile home unit percentages. In addition, the profile identifies block groups meeting the NCDOT thresholds for minority, poverty, and LEP. It is available at the block group, census tract, county, place, and state geographic levels. Refer to Chapter 2.0 for technical documentation on this profile.

The **Community Overview Profile** provides an overview of the community at the demographic study area (DSA) that is selected by the user, place, county, and state geographic levels. It contains common demographics not included in the NCDOT Community Studies Profile: median age, employment, commute mode and time, housing, median household income, and median housing value. This more robust set of demographics, including particular transportation statistics, is often cited in the “community profiles” at the beginning of a transportation plan. Refer to Chapter 3.0 for technical documentation on this profile.

The **Health Indicators Profile** generates the health impacts table included as an appendix to NCDOT CIAs. The profile includes the following topics: median household income, ratio of housing and transportation costs to household income, zero car households, travel time, pedestrian and bicyclist crashes, motor vehicle mortality rate, physical inactivity, access to exercise opportunities, and access to healthy foods. It is available at the DSA, place, county, and state geographic levels. Refer to Chapter 4.0 for technical documentation on this profile.

The **Demographic Snapshot Dashboard** provides a quick overview of the geographical distribution of data for selected demographics. The tool includes the following topics: population change, minority, poverty, population over 65, Hispanic/Latino, LEP, internet access, zero-car household, and occupancy status. The dashboard also includes two additional variables for Vulnerability Scores at the block group level. Refer to Chapter 5.0 for technical documentation on this profile.

The **Trend Analysis** provides an overview of the historical comparison. The analysis provides the comparison of the following topics: race, Hispanic/Latino, minority, poverty, LEP, zero-car households, occupancy status, and mobile home unit percentages. The data comes from three different ACS 5-year estimate datasets. It is available at the block group, county, place, and state geographic levels. Refer to Chapter 6.0 for technical documentation on this analysis.

Table 1: Datasets and Geographies by Profile/Tool

Profile:	NCDOT Community Studies Profile	Community Overview Profile	Health Indicators Profile	Demographic Snapshot Dashboard	Trend Analysis
Datasets	CombinedData*	CombinedData*	HealthIndicatorsData	CombinedData*	CalculatedData
Geographies	Block Group Census Tract County Place	Demographic Study Area County Place State	Demographic Study Area County Place State	Block Group Census Tract County Place State	Demographic Study Area Block Group County Place State

*CombinedData was prepared for each geographic level (block group, census tract, county, and place) by compiling the datasets that were previously known as CompleteData, StreamlineData, CalculatedData, and ComparisonData from different ACS five-year estimates tables.

2.0 NCDOT Community Studies Profile

The NCDOT Community Studies Profile is used to perform demographic analyses for NCDOT Community Studies reports such as CIAs. The profile includes the following demographics: population change, race, Hispanic/Latino, minority, poverty, LEP, zero-car households, disability, age, internet access, occupancy status, and mobile home unit percentages. In addition, the profile identifies block groups meeting the NCDOT thresholds for minority, poverty, and LEP. It is available at the block group, census tract, county, place, and state geographic levels.

2.1 Data Sources

The primary data source for the NCDOT Community Studies Profile is the American Community Survey (ACS) five-year estimates for 2020-2024. Additional data is provided from the ACS five-year estimates for 2010-2014 and 2015-2019. All three data sources are produced by the United States (US) Census Bureau.

ACS data was obtained through the National Historic Geographic Information System (NHGIS), which is a historical GIS project to create and freely disseminate a database incorporating all available aggregate census information for the United States since 1790. The project has created one of the largest collections of statistical census information in the world, much of which was not previously available to the research community because of legacy data formats and differences between metadata formats. In addition, NHGIS has created cartographic boundary files compatible with every census, and over 50 million lines of metadata describing the collection. The statistical and geographic data are disseminated free of charge through an online data access system.

NHGIS was launched in 2007 and is maintained by the Minnesota Population Center at the University of Minnesota and is funded by the National Science Foundation and the National Institutes of Health.

Table 2 on the following page lists the topics contained in the NCDOT Community Studies Profile, identifies the corresponding census table number, and notes at which geographic level the topic is available.

Table 2: NCDOT Community Studies Profile Data Sources

Topic	Census Table Number	ACS 2020-2024				ACS 2015-2019				ACS 2010-2014			
		County	Place	Tract	Block Group	County	Place	Tract	Block Group	County	Place	Tract	Block Group
Total Population	B01003	X	X	X	X	X	X	X	X	X	X	X	X
Sex by Age	B01001	X	X	X	X	-	-	-	-	-	-	-	-
Median Age by Sex	B01002	X	X	X	X	-	-	-	-	-	-	-	-
Race	B02001	X	X	X	X	-	-	-	-	-	-	-	-
Hispanic or Latino Origin by Race	B03002	X	X	X	X	-	-	-	-	-	-	-	-
Ratio of Income to Poverty Level in the Past 12 Months	C17002	X	X	X	X	-	-	-	-	-	-	-	-
Median Household Income in the Past 12 Months	B19049	X	X	X	X	-	-	-	-	-	-	-	-
Age by Language Spoken at Home by Ability to Speak English for the Population 5 Years and Over	B16004	X	X	X	X	-	-	-	-	-	-	-	-
Employment Status for the Population 16 Years and Over	B23025	X	X	X	X	-	-	-	-	-	-	-	-
Sex of Workers by Place of Work- State And County Level	B08007	X	X	X	X	-	-	-	-	-	-	-	-
Tenure by Vehicles Available	B25044	X	X	X	X	-	-	-	-	-	-	-	-
Means of Transportation to Work	B08301	X	X	X	X	-	-	-	-	-	-	-	-
Travel Time to Work	B08303	X	X	X	X	-	-	-	-	-	-	-	-
Mean Travel Time to Work of Workers 16 Years and Over Who Did Not Work at Home (Minutes)	S0801	X	X	X	-	-	-	-	-	-	-	-	-
Occupancy Status	B25002	X	X	X	X	-	-	-	-	-	-	-	-
Tenure	B25003	X	X	X	X	-	-	-	-	-	-	-	-
Vacancy Status	B25004	X	X	X	X	-	-	-	-	-	-	-	-
Units in Structure	B25024	X	X	X	X	-	-	-	-	-	-	-	-
Value	B25075	X	X	X	X	-	-	-	-	-	-	-	-
Median Value (Dollars)	B25077	X	X	X	X	-	-	-	-	-	-	-	-
Disability	B18101	X	X	X	-	-	-	-	-	-	-	-	-
Internet Access	B28002	X	X	X	X	-	-	-	-	-	-	-	-

2.2 Data Dictionary

The NCDOT Community Studies Profile comes from **CombinedData** (for each geographic level) formatted to integrate with the Excel tool. A data dictionary is provided below for the dataset that defines the field name and identifies at which geographic levels the field is available. CombinedData dataset was created to minimize redundancy and reduce the need to download multiple datasets for the Excel tool. The dataset is a combination of the datasets that were previously known as CompleteData, StreamlinedData, CalculatedData, and ComparisonData.

Table 3: CombinedData

Field Name	Description	ACS 2020-2024			
		County	Place	Tract	Block Group
FIPS	Federal Information Processing Standard field	X	X	X	X
Geography_Name	The name to describe the geography	X	X	X	X
State_Name	State name the geography is located within	X	X	X	X
State_ID	The state number (ID) the geography is located within	X	X	X	X
County_Name	County name the geography is located within	X	-	X	X
County_ID	The county number (ID) the geography is located within	X	-	X	X
Place_Name	Place name the geography is located within	-	X	-	-
Place_ID	The place number (ID) the geography is located within	-	X	-	-
Tract	The tract number for the geography	-	-	X	X
BlockGroup	The block group number for the geography	-	-	-	X
Total_Population	Total population	X	X	X	X
ACS_2010_2014_Total_Population	Total population from the ACS five-year estimates for 2010-2014	X	X	X	X
ACS_2015-2019_Total_Population	Total population from the ACS five-year estimates for 2015-2019	X	X	X	X
ACS_2020-2024_Total_Population	Total population from the ACS five-year estimates for 2020-2024	X	X	X	X
TOTAL_POP_CHANGE	Total population change between the ACS five-year estimates for 2010-2014 and the ACS five-year estimates for 2020-2024	X	X	X	X
TOTAL_POP_PER_CHANGE	Percentage of population change between the ACS five-year estimates for 2010-2014 and the ACS five-year estimates for 2020-2024	X	X	X	X
Male	Total male population	X	X	X	X
Female	Total female population	X	X	X	X
AgeMedian	Median population age	X	X	X	X

Field Name	Description	ACS 2020-2024			
		County	Place	Tract	Block Group
AgeUnder5Yrs	Population under 5 years	X	X	X	X
Age5_9Yrs	Population 5 to 9 years	X	X	X	X
Age10_14Yrs	Population 10 to 14 years	X	X	X	X
Age15_17Yrs	Population 15 to 17 years	X	X	X	X
Age18_and_19Yrs	Population 18 and 19 years	X	X	X	X
Age20Yrs	Population 20 years	X	X	X	X
Age21Yrs	Population 21 years	X	X	X	X
Age22_24Yrs	Population 22 to 24 years	X	X	X	X
Age25_29Yrs	Population 25 to 29 years	X	X	X	X
Age30_34Yrs	Population 30 to 34 years	X	X	X	X
Age35_39Yrs	Population 35 to 39 years	X	X	X	X
Age40_44Yrs	Population 40 to 44 years	X	X	X	X
Age45_49Yrs	Population 45 to 49 years	X	X	X	X
Age50_54Yrs	Population 50 to 54 years	X	X	X	X
Age55_59Yrs	Population 55 to 59 years	X	X	X	X
Age60_and_61Yrs	Population 60 and 61 years	X	X	X	X
Age62_64Yrs	Population 62 to 64 years	X	X	X	X
Age65_and_66Yrs	Population 65 and 66 years	X	X	X	X
Age67_69Yrs	Population 67 to 69 years	X	X	X	X
Age70_74Yrs	Population 70 to 74 years	X	X	X	X
Age75_79Yrs	Population 75 to 79 years	X	X	X	X
Age80_84Yrs	Population 80 to 84 years	X	X	X	X
Age85YrsPlus	Population 85 years or more	X	X	X	X
Age50YrsPlus	Population 50 years or more	X	X	X	X
AgeUnder18Yrs	Population under 18 years	X	X	X	X
Age18_64Yrs	Population 18 to 64 years	X	X	X	X
Age18YrsPlus	Population 18 years or more	X	X	X	X

Field Name	Description	ACS 2020-2024			
		County	Place	Tract	Block Group
Age21YrsPlus	Population 21 years or more	X	X	X	X
Age62YrsPlus	Population 62 years or more	X	X	X	X
Age65YrsPlus	Population 65 years or more	X	X	X	X
Total_Population_forRace	Total Population for the Race Fields	X	X	X	X
Total_Population_forOneRace	Total Population of People with One Race	X	X	X	X
White	White alone	X	X	X	X
White_Perc	Percentage of White alone	X	X	X	X
Black	Black or African American alone	X	X	X	X
Black_Perc	Percentage of Black or African American alone	X	X	X	X
AmIndianAKNative	American Indian and Alaska Native alone	X	X	X	X
AmIndianAKNative_Perc	Percentage of American Indian and Alaska Native alone	X	X	X	X
Asian	Asian alone	X	X	X	X
Asian_Perc	Percentage of Asian alone	X	X	X	X
HawaiianOrIslander	Native Hawaiian and Other Pacific Islander alone	X	X	X	X
HawaiianOrIslander_Perc	Percentage of Native Hawaiian and Other Pacific Islander alone	X	X	X	X
OtherRace	Some other race alone	X	X	X	X
OtherRace_Perc	Percentage of some other race alone	X	X	X	X
TwoOrMoreRaces	Two or more races	X	X	X	X
TwoOrMoreRaces_Perc	Percentage of two or more races	X	X	X	X
TwoMoreIncOther	Two or more races including some other race	X	X	X	X
TwoMoreNIncOther	Two or more races excluding some other race	X	X	X	X
TotalNonWhite	Total number of non-white	X	X	X	X
NonWhite_Perc	Percentage of non-white	X	X	X	X
Total_Population_forHispanic	Total population for Hispanic or Latino fields	X	X	X	X
TotNotHisOrLatino	Total not Hispanic or Latino	X	X	X	X
TotNotHisOrLatino_Perc	Percentage of not Hispanic or Latino	X	X	X	X
WhiteNotHisLat	White alone not Hispanic or Latino	X	X	X	X

Field Name	Description	ACS 2020-2024			
		County	Place	Tract	Block Group
WhiteNotHisLat_Perc	Percentage of White alone not Hispanic or Latino	X	X	X	X
BlackNotHisLat	Black or African American alone not Hispanic or Latino	X	X	X	X
AmNativeNotHisLat	American Indian and Alaska Native alone not Hispanic or Latino	X	X	X	X
AsianNotHisLat	Asian alone not Hispanic or Latino	X	X	X	X
PIslanderNotHisLat	Native Hawaiian and Other Pacific Islander alone not Hispanic or Latino	X	X	X	X
OtherNotHisLat	Some other race alone not Hispanic or Latino	X	X	X	X
TwoRacesNotHisLat	Two or more races not Hispanic or Latino	X	X	X	X
TwoRacesIncOtherNotHisLat	Two races including some other race not Hispanic or Latino	X	X	X	X
TwoRacesNotOtherNotHisLat	Two or more races: Two races excluding some other race, and three or more races, not Hispanic or Latino	X	X	X	X
TotHisOrLatino	Total number of Hispanic or Latino	X	X	X	X
TotHisOrLatino_Perc	Percentage of Hispanic or Latino	X	X	X	X
WhiteHisLatino	White alone and Hispanic or Latino	X	X	X	X
BlackHisLatino	Black or African American alone and Hispanic or Latino	X	X	X	X
AmNativeHisLat	American Indian and Alaska Native alone and Hispanic or Latino	X	X	X	X
AsianHisLat	Asian alone and Hispanic or Latino	X	X	X	X
PIslanderHisLat	Native Hawaiian and Other Pacific Islander alone and Hispanic or Latino	X	X	X	X
OtherHisLat	Some other race alone and Hispanic or Latino	X	X	X	X
TwoRacesHisLat	Two or more races and Hispanic or Latino	X	X	X	X
TwoRacesIncOtherHisLat	Two races including some other race and Hispanic or Latino	X	X	X	X
TwoRacesNotOtherHisLat	Two races excluding some other race, and three or more races and Hispanic or Latino	X	X	X	X
MinorityPop	Total minority population	X	X	X	X
MinorityPop_Perc	Percentage of minority population	X	X	X	X
Total_Population_forPov	Total population for poverty	X	X	X	X
IndBelowPoverty	Individuals below poverty level	X	X	X	X
IndBelowPoverty_Perc	Percentage of individuals below poverty level	X	X	X	X
Total_Pop_RatIncToPov	Total population of ratio of income to poverty level in the past 12 months	X	X	X	X

Field Name	Description	ACS 2020-2024			
		County	Place	Tract	Block Group
RatIncToPov_Under50	Ratio to poverty level under 50%	X	X	X	X
RatIncToPov_Under50_Perc	Percentage of individuals under 50% of poverty level	X	X	X	X
RatIncToPov_Under50	Ratio to poverty level under 50%	X	X	X	X
RatIncToPov50to99	Ratio to poverty 50% to 99%	X	X	X	X
RatIncToPov100to149	Ratio to poverty 100% to 149%	X	X	X	X
RatIncToPov100to149_Perc	Percentage of individuals 100% to 149% of poverty level	X	X	X	X
RatIncToPov150to184	Ratio to poverty 150% to 184%	X	X	X	X
RatIncToPov185to199	Ratio to poverty 185% to 199%	X	X	X	X
RatIncToPovOver200	Ratio to poverty level over 200%	X	X	X	X
MHHI_MedianHHIncomePast12Mnth	Total population for median household income in the past 12 months	X	X	X	X
MHHI_HholderUnder25Yrs	Median household income in the past 12 months for population under 25 years	X	X	X	X
MHHI_Hholder25_44Yrs	Median household income in the past 12 months for population 25 to 44 years	X	X	X	X
MHHI_Hholder45_64Yrs	Median household income in the past 12 months for population 45 to 64 years	X	X	X	X
MHHI_HholderOver65Yrs	Median household income in the past 12 months for population 65 years or more	X	X	X	X
TotalPop5YrsPlus	Total population over 5 years for language spoken at home by ability to speak English	X	X	X	X
Pop5_17Yrs	Total population 5 to 17 years for language spoken at home by ability to speak English	X	X	X	X
SpkOnlyEng5_17Yrs	Population 5 to 17 years who speak only English	X	X	X	X
SpkSpan5_17Yrs	Population 5 to 17 years who speak Spanish	X	X	X	X
SpkSpan5_17YrsSpkEngVeryWell	Spanish speaking population 5 to 17 years who speak English "very well"	X	X	X	X
SpkSpan5_17YrsSpkEngWell	Spanish speaking population 5 to 17 years who speak English "well"	X	X	X	X
SpkSpan5_17YrsSpkEngNotWell	Spanish speaking population 5 to 17 years who speak English "not well"	X	X	X	X
SpkSpan5_17YrsSpkEngNotAtAll	Spanish speaking population 5 to 17 years who speak English "not at all"	X	X	X	X
SpkIndo5_17Yrs	Population 5 to 17 years who speak other Indo-European languages	X	X	X	X
SpkIndo5_17YrsSpkEngVeryWell	Indo-European speaking population 5 to 17 years who speak English "very well"	X	X	X	X
SpkIndo5_17YrsSpkEngWell	Indo-European speaking population 5 to 17 years who speak English "well"	X	X	X	X
SpkIndo5_17YrsSpkEngNotWell	Indo-European speaking population 5 to 17 years who speak English "not well"	X	X	X	X
SpkIndo5_17YrsSpkEngNotAtAll	Indo-European speaking population 5 to 17 years who speak English "not at all"	X	X	X	X

Field Name	Description	ACS 2020-2024			
		County	Place	Tract	Block Group
SpkAsia5_17Yrs	Population 5 to 17 years who speak Asian and Pacific Island languages	X	X	X	X
SpkAsia5_17YrsSpkEngVeryWell	Asian and Pacific Island speaking population 5 to 17 years who speak English "very well"	X	X	X	X
SpkAsia5_17YrsSpkEngWell	Asian and Pacific Island speaking population 5 to 17 years who speak English "well"	X	X	X	X
SpkAsia5_17YrsSpkEngNotWell	Asian and Pacific Island speaking population 5 to 17 years who speak English "not well"	X	X	X	X
SpkAsia5_17YrsSpkEngNotAtAll	Asian and Pacific Island speaking population 5 to 17 years who speak English "not at all"	X	X	X	X
SpkOthr5_17Yrs	Population 5 to 17 years who speak other languages	X	X	X	X
SpkOthr5_17YrsSpkEngVeryWell	Population speaking other languages 5 to 17 years who speak English "very well"	X	X	X	X
SpkOthr5_17YrsSpkEngWell	Population speaking other languages 5 to 17 years who speak English "well"	X	X	X	X
SpkOthr5_17YrsSpkEngNotWell	Population speaking other languages 5 to 17 years who speak English "not well"	X	X	X	X
SpkOthr5_17YrsSpkEngNotAtAll	Population speaking other languages 5 to 17 years who speak English "not at all"	X	X	X	X
Pop18_64Yrs	Total population 18 to 64 years for language spoken at home by ability to speak English	X	X	X	X
SpkOnlyEng18_64Yrs	Population 18 to 64 years who speak only English	X	X	X	X
SpkSpan18_64Yrs	Population 18 to 64 years who speak Spanish	X	X	X	X
SpkSpan18_64YrsSpkEngVeryWell	Spanish speaking population 18 to 64 years who speak English "very well"	X	X	X	X
SpkSpan18_64YrsSpkEngWell	Spanish speaking population 18 to 64 years who speak English "well"	X	X	X	X
SpkSpan18_64YrsSpkEngNotWell	Spanish speaking population 18 to 64 years who speak English "not well"	X	X	X	X
SpkSpan18_64YrsSpkEngNotAtAll	Spanish speaking population 18 to 64 years who speak English "not at all"	X	X	X	X
SpkIndo18_64Yrs	Population 18 to 64 years who speak other Indo-European languages	X	X	X	X
SpkIndo18_64YrsSpkEngVeryWell	Indo-European speaking population 18 to 64 years who speak English "very well"	X	X	X	X
SpkIndo18_64YrsSpkEngWell	Indo-European speaking population 18 to 64 years who speak English "well"	X	X	X	X
SpkIndo18_64YrsSpkEngNotWell	Indo-European speaking population 18 to 64 years who speak English "not well"	X	X	X	X
SpkIndo18_64YrsSpkEngNotAtAll	Indo-European speaking population 18 to 64 years who speak English "not at all"	X	X	X	X
SpkAsia18_64Yrs	Population 18 to 64 years who speak Asian and Pacific Island languages	X	X	X	X
SpkAsia18_64YrsSpkEngVeryWell	Asian and Pacific Island speaking population 18 to 64 years who speak English "very well"	X	X	X	X
SpkAsia18_64YrsSpkEngWell	Asian and Pacific Island speaking population 18 to 64 years who speak English "well"	X	X	X	X
SpkAsia18_64YrsSpkEngNotWell	Asian and Pacific Island speaking population 18 to 64 years who speak English "not well"	X	X	X	X
SpkAsia18_64YrsSpkEngNotAtAll	Asian and Pacific Island speaking population 18 to 64 years who speak English "not at all"	X	X	X	X

Field Name	Description	ACS 2020-2024			
		County	Place	Tract	Block Group
SpkOthr18_64Yrs	Population 18 to 64 years who speak other languages	X	X	X	X
SpkOthr18_64YrsSpkEngVeryWell	Population speaking other languages 18 to 64 years who speak English "very well"	X	X	X	X
SpkOthr18_64YrsSpkEngWell	Population speaking other languages 18 to 64 years who speak English "well"	X	X	X	X
SpkOthr18_64YrsSpkEngNotWell	Population speaking other languages 18 to 64 years who speak English "not well"	X	X	X	X
SpkOthr18_64YrsSpkEngNotAtAll	Population speaking other languages 18 to 64 years who speak English "not at all"	X	X	X	X
PopOvr65Yrs	Total population over 65 years for language spoken at home by ability to speak English	X	X	X	X
SpkOnlyEngOvr65Yrs	Population over 65 years who speak only English	X	X	X	X
SpkSpanOvr65Yrs	Population over 65 years who speak Spanish	X	X	X	X
SpkSpanOvr65YrsSpkEngVeryWell	Spanish speaking population over 65 years who speak English "very well"	X	X	X	X
SpkSpanOvr65YrsSpkEngWell	Spanish speaking population over 65 years who speak English "well"	X	X	X	X
SpkSpanOvr65YrsSpkEngNotWell	Spanish speaking population over 65 years who speak English "not well"	X	X	X	X
SpkSpanOvr65YrsSpkEngNotAtAll	Spanish speaking population over 65 years who speak English "not at all"	X	X	X	X
SpkIndoOvr65Yrs	Population over 65 years who speak other Indo-European languages	X	X	X	X
SpkIndoOvr65YrsSpkEngVeryWell	Indo-European speaking population over 65 years who speak English "very well"	X	X	X	X
SpkIndoOvr65YrsSpkEngWell	Indo-European speaking population over 65 years who speak English "well"	X	X	X	X
SpkIndoOvr65YrsSpkEngNotWell	Indo-European speaking population over 65 years who speak English "not well"	X	X	X	X
SpkIndoOvr65YrsSpkEngNotAtAll	Indo-European speaking population over 65 years who speak English "not at all"	X	X	X	X
SpkAsiaOvr65Yrs	Population over 65 years who speak Asian and Pacific Island languages	X	X	X	X
SpkAsiaOvr65YrsSpkEngVeryWell	Asian and Pacific Island speaking population over 65 years who speak English "very well"	X	X	X	X
SpkAsiaOvr65YrsSpkEngWell	Asian and Pacific Island speaking population over 65 years who speak English "well"	X	X	X	X
SpkAsiaOvr65YrsSpkEngNotWell	Asian and Pacific Island speaking population over 65 years who speak English "not well"	X	X	X	X
SpkAsiaOvr65YrsSpkEngNotAtAll	Asian and Pacific Island speaking population over 65 years who speak English "not at all"	X	X	X	X
SpkOthrOvr65Yrs	Population over 65 years who speak other languages	X	X	X	X
SpkOthrOvr65YrsSpkEngVeryWell	Population speaking other languages over 65 years who speak English "very well"	X	X	X	X
SpkOthrOvr65YrsSpkEngWell	Population speaking other languages over 65 years who speak English "well"	X	X	X	X
SpkOthrOvr65YrsSpkEngNotWell	Population speaking other languages over 65 years who speak English "not well"	X	X	X	X
SpkOthrOvr65YrsSpkEngNotAtAll	Population speaking other languages over 65 years who speak English "not at all"	X	X	X	X

Field Name	Description	ACS 2020-2024			
		County	Place	Tract	Block Group
PopADULT18YrsPlus	Total adult population (18 years or more) for language spoken at home by ability to speak English	X	X	X	X
SpkOnlyEngADULT	Adult population (18 years or more) who speak only English	X	X	X	X
SpkSpanADULT	Adult population (18 years or more) who speak Spanish	X	X	X	X
SpkSpanADULTSpkEngVeryWell	Spanish speaking adult population (18 years or more) who speak English "very well"	X	X	X	X
SpkSpanADULTSpkEngLessThVerWell	Spanish speaking adult population (18 years or more) who speak English "less than very well"	X	X	X	X
SpkSpanASpkEngLessThVerWell_Perc	Percentage of Spanish speaking adult population (18 years or more) who speak English "less than very well"	X	X	X	X
SpkSpanADULTSpkEngWell	Spanish speaking adult population (18 years or more) who speak English "well"	X	X	X	X
SpkSpanADULTSpkEngNotWell	Spanish speaking adult population (18 years or more) who speak English "not well"	X	X	X	X
SpkSpanADULTSpkEngNotAtAll	Spanish speaking adult population (18 years or more) who speak English "not at all"	X	X	X	X
SpkIndoADULT	Adult population (18 years or more) who speak other Indo-European languages	X	X	X	X
SpkIndoADULTSpkEngVeryWell	Indo-European speaking adult population (18 years or more) who speak English "very well"	X	X	X	X
SpkIndoADULTSpkEngLessThVerWell	Indo-European speaking adult population (18 years or more) who speak English "less than very well"	X	X	X	X
SpkIndoASpkEngLessThVerWell_Perc	Percentage of Indo-European speaking adult population (18 years or more) who speak English "less than very well"	X	X	X	X
SpkIndoADULTSpkEngWell	Indo-European speaking adult population (18 years or more) who speak English "well"	X	X	X	X
SpkIndoADULTSpkEngNotWell	Indo-European speaking adult population (18 years or more) who speak English "not well"	X	X	X	X
SpkIndoADULTSpkEngNotAtAll	Indo-European speaking adult population (18 years or more) who speak English "not at all"	X	X	X	X
SpkAsiaADULT	Adult population (18 years or more) who speak Asian and Pacific Island languages	X	X	X	X
SpkAsiaADULTSpkEngVeryWell	Asian and Pacific Island speaking adult population (18 years or more) who speak English "very well"	X	X	X	X
SpkAsiaADULTSpkEngLessThVerWell	Asian and Pacific Island speaking adult population (18 years or more) who speak English "less than very well"	X	X	X	X
SpkAsiaASpkEngLessThVerWell_Perc	Percentage of Asian and Pacific Island speaking adult population (18 years or more) who speak English "less than very well"	X	X	X	X
SpkAsiaADULTSpkEngWell	Asian and Pacific Island speaking adult population (18 years or more) who speak English "well"	X	X	X	X
SpkAsiaADULTSpkEngNotWell	Asian and Pacific Island speaking adult population (18 years or more) who speak English "not well"	X	X	X	X
SpkAsiaADULTSpkEngNotAtAll	Asian and Pacific Island speaking adult population (18 years or more) who speak English "not at all"	X	X	X	X

Field Name	Description	ACS 2020-2024			
		County	Place	Tract	Block Group
SpkOthrADULT	Adult population (18 years or more) who speak other languages	X	X	X	X
SpkOthrADULTSpkEngVeryWell	Population speaking other languages adult (18 years or more) who speak English "very well"	X	X	X	X
SpkOthrADULTSpkEngLessThVerWell	Population speaking other languages adult (18 years or more) who speak English "less than very well"	X	X	X	X
SpkOthrASpkEngLessThVerWell_Perc	Percentage of Population speaking other languages adult (18 years or more) who speak English "less than very well"	X	X	X	X
SpkOthrADULTSpkEngWell	Population speaking other languages adult (18 years or more) who speak English "well"	X	X	X	X
SpkOthrADULTSpkEngNotWell	Population speaking other languages adult (18 years or more) who speak English "not well"	X	X	X	X
SpkOthrADULTSpkEngNotAtAll	Population speaking other languages adult (18 years or more) who speak English "not at all"	X	X	X	X
EmploymentStatus_TotPop16Plus	Total population over 16 years or more for employment status	X	X	X	X
Emp_InLaborForce	Total labor force population over 16 years or more	X	X	X	X
Emp_Civilian	Total civilian population over 16 years or more	X	X	X	X
Emp_Civilian_Employed	Total employed civilian population over 16 years or more	X	X	X	X
Emp_Civilian_Unemployed	Total unemployed civilian population over 16 years or more	X	X	X	X
Emp_Civilian_Unemp_Perc	Percent unemployed civilian population over 16 years or more	X	X	X	X
Emp_ArmedForces	Total armed forces population over 16 years or more	X	X	X	X
Emp_NotInLaborForce	Total population over 16 years or more not in labor force	X	X	X	X
Total_Workers	Total population of workers by place of work (state and county level)	X	X	X	X
WorkInStateofRes	Work in state of residence	X	X	X	X
WorkInCountyofRes	Work in county of residence	X	X	X	X
WorkNotInCountyofRes	Work not in county of residence	X	X	X	X
WorkNotInStateofRes	Work not in state of residence	X	X	X	X
Total_HU_Vehicles	Total households for vehicles available	X	X	X	X
HU_NoVehiclesAvailable	Households with no vehicle available	X	X	X	X
HU_NoVehiclesAvailable_Perc	Percentage of Households with no vehicle available	X	X	X	X
HU_OneVehicleAvailable	Households with one vehicle available	X	X	X	X
HU_OneVehicleAvailable_Perc	Percentage of Households with one vehicle available	X	X	X	X
HU_TwoVehiclesAvailable	Households with two vehicles available	X	X	X	X

Field Name	Description	ACS 2020-2024			
		County	Place	Tract	Block Group
HU_ThreePlusVehicleAvailable	Households with three or more vehicles available	X	X	X	X
HU_TwoPlusVehicleAvailable	Households with two or more vehicles available	X	X	X	X
HU_TwoPlusVehicleAvailable_Perc	Percentage of Households with two or more vehicles available	X	X	X	X
Commuter_Total	Total Commuters	X	X	X	X
CarTruckVan_Total	Total commuters that commute by car, truck or van	X	X	X	X
CrTrVanCmuteAlone	Commute by car, truck or van alone	X	X	X	X
CrTrVanCarpooled	Total carpool commuters by car, truck or van	X	X	X	X
CrTrVan2PepCarpool	Carpool commuters by car, truck or van with 2 people	X	X	X	X
CrTrVan3PepCarpool	Carpool commuters by car, truck or van with 3 people	X	X	X	X
CrTrVan4PepCarpool	Carpool commuters by car, truck or van with 4 people	X	X	X	X
CrTrVan5to6PepCarpool	Carpool commuters by car, truck or van with 5 or 6 people	X	X	X	X
CrTrVan7MorePepCarpool	Carpool commuters by car, truck or van with 7 people or more	X	X	X	X
PublicTransport_Total	Total commuters that commute using public transport	X	X	X	X
PubBus	Public transport commuters by bus	X	X	X	X
PubSubway	Public transport commuters by subway or elevated rail	X	X	X	X
PubRailroad	Public transport commuters by long-distance train or commuter rail	X	X	X	X
PubLightRail	Public transport commuters by light rail, streetcar or trolley	X	X	X	X
PubFerryboat	Public transport commuters by ferryboat	X	X	X	X
PubTaxi	Public transport commuters by taxi	X	X	X	X
Motorcycle	Commute by motorcycle	X	X	X	X
Bicycle	Commute by bicycle	X	X	X	X
Walked	Commute by walking	X	X	X	X
OtherTransport	Commute by other form of transportation	X	X	X	X
WorkfromHome	Work in the home	X	X	X	X
WorkNotAtHome	Work not at home	X	X	X	X
Total_Pop_CommuterTime	Total population for travel time to work	X	X	X	X
ComLessThan5Mins	Commute less than 5 minutes	X	X	X	X

Field Name	Description	ACS 2020-2024			
		County	Place	Tract	Block Group
Com5to9Mins	Commute 5 to 9 minutes	X	X	X	X
Com10to14Mins	Commute 10 to 14 minutes	X	X	X	X
Com15to19Mins	Commute 15 to 19 minutes	X	X	X	X
Com20to24Mins	Commute 20 to 24 minutes	X	X	X	X
Com25to29Mins	Commute 25 to 29 minutes	X	X	X	X
Com30to34Mins	Commute 30 to 34 minutes	X	X	X	X
Com35to39Mins	Commute 35 to 39 minutes	X	X	X	X
Com40to44Mins	Commute 40 to 44 minutes	X	X	X	X
Com45to59Mins	Commute 45 to 59 minutes	X	X	X	X
Com60to89Mins	Commute 60 to 89 minutes	X	X	X	X
Com90OrMoreMins	Commute 90 minutes or more	X	X	X	X
ComMeanMins	Mean for commute time in minutes	X	X	X	-
Total_HousingUnits	Total housing units for tenure	X	X	X	X
HU_Occupied	Total occupied housing units	X	X	X	X
HU_Vacant	Total vacant housing units	X	X	X	X
HUOccupied_Total	Total occupied housing units	X	X	X	X
HUOccupied_Total_Perc	Percentage of owner occupied housing units	X	X	X	X
OwnerOccupied	Owner occupied housing units	X	X	X	X
OwnerOccupied_Perc	Percentage of owner occupied housing units	X	X	X	X
RenterOccupied	Renter occupied housing units	X	X	X	X
RenterOccupied_Perc	Percentage of renter occupied housing units	X	X	X	X
HUVacant_Total	Total vacant housing units	X	X	X	X
HUVacant_Total_Perc	Percentage of vacant housing units	X	X	X	X
ForRent	Vacant housing units for rent	X	X	X	X
Rented_NotOccupied	Vacant housing units that are rented but vacant	X	X	X	X
ForSale	Vacant housing units for sale	X	X	X	X
Sold_NotOccupied	Vacant housing units that are sold but are vacant	X	X	X	X

Field Name	Description	ACS 2020-2024			
		County	Place	Tract	Block Group
SeasonalUse	Vacant housing units that are used for seasonal use	X	X	X	X
MigrantWorkers	Vacant housing units for migrant workers	X	X	X	X
VacantOther	Vacant housing units for other reasons	X	X	X	X
Total_HU	Total housing units for units in structure	X	X	X	X
MobileHomeUnits	Mobile home units	X	X	X	X
MobileHomeUnits_Perc	Percentage of mobile home units	X	X	X	X
NonMobileHomeUnits	Non-mobile home units	X	X	X	X
NonMobileHomeUnits_Perc	Percentage of non-mobile home units	X	X	X	X
Total_OwnerOccupied_forHValue	Total owner occupied housing units for housing value	X	X	X	X
HValueLess10000	Housing value less than \$10,000	X	X	X	X
HValue10000_14999	Housing value \$10,000 to \$14,999	X	X	X	X
HValue15000_19999	Housing value \$15,000 to \$19,999	X	X	X	X
HValue20000_24999	Housing value \$20,000 to \$24,999	X	X	X	X
HValue25000_29999	Housing value \$25,000 to \$29,999	X	X	X	X
HValue30000_34999	Housing value \$30,000 to \$34,999	X	X	X	X
HValue35000_39999	Housing value \$35,000 to \$39,999	X	X	X	X
HValue40000_49999	Housing value \$40,000 to \$49,999	X	X	X	X
HValue50000_59999	Housing value \$50,000 to \$59,999	X	X	X	X
HValue60000_69999	Housing value \$60,000 to \$69,999	X	X	X	X
HValue70000_79999	Housing value \$70,000 to \$79,999	X	X	X	X
HValue80000_89999	Housing value \$80,000 to \$89,999	X	X	X	X
HValue90000_99999	Housing value \$90,000 to \$99,999	X	X	X	X
HValue100000_124999	Housing value \$100,000 to \$124,999	X	X	X	X
HValue125000_149999	Housing value \$125,000 to \$149,999	X	X	X	X
HValue150000_174999	Housing value \$150,000 to \$174,999	X	X	X	X
HValue175000_199999	Housing value \$175,000 to \$199,999	X	X	X	X
HValue200000_249999	Housing value \$200,000 to \$249,999	X	X	X	X

Field Name	Description	ACS 2020-2024			
		County	Place	Tract	Block Group
HValue250000_299999	Housing value \$250,000 to \$299,999	X	X	X	X
HValue300000_399999	Housing value \$300,000 to \$399,999	X	X	X	X
HValue400000_499999	Housing value \$400,000 to \$499,999	X	X	X	X
HValue500000_749999	Housing value \$500,000 to \$749,999	X	X	X	X
HValue750000_999999	Housing value \$750,000 to \$999,999	X	X	X	X
HValueOver1000000_1499999	Housing value \$1,000,000 to \$1,499,999	X	X	X	X
HValueOver1500000_1999999	Housing value \$1,500,000 to \$1,999,999	X	X	X	X
HValueOver2000000	Housing value over \$2,000,000	X	X	X	X
HValueMedian	Median housing value	X	X	X	X
Total_Households_forInet	Total households for Internet access	X	X	X	X
HH_WithInetSubs	Households with an Internet subscription	X	X	X	X
HH_Only_WithDial-up	Households with a dial-up Internet service with no other type of Internet subscription	X	X	X	X
HH_WithBroadbandAny	Households with a broadband Internet service of any type	X	X	X	X
HH_WithBroadbandAny_Perc	Percentage of households with a broadband Internet service of any type	X	X	X	X
HH_Only_WithCellularDataPlan	Households with a cellular data plan with no other type of Internet subscription	X	X	X	X
HH_Only_WithCellularDataPlan_Perc	Percentage of households with a cellular data plan with no other type of Internet subscription	X	X	X	X
HH_WithHighSpeedInet	Households with a broadband (highspeed) Internet service such as cable, fiber optic or DSL	X	X	X	X
HH_Only_WithHighSpeedInet	Households with a broadband (highspeed) Internet service such as cable, fiber optic or DSL with no other type of Internet subscription	X	X	X	X
HH_WithSatelliteInet	Households with a satellite Internet service	X	X	X	X
HH_Only_WithSatelliteInet	Households with a satellite Internet service with no other type of Internet subscription	X	X	X	X
HH_Only_WithOtherInet	Households with other Internet service with no other type of Internet subscription listed above	X	X	X	X
HH_WithINTAccess_WOSubs	Households with Internet access without a subscription	X	X	X	X
HH_No_InetAccess	Households with no internet access	X	X	X	X
HH_WithLtdAccessInet	Households with limited access to the Internet	X	X	X	X
HH_WithLtdAccessInet_Perc	Percentage of households with limited access to the Internet	X	X	X	X
Total_forDisability	Total population count for disability	X	X	X	-

Field Name	Description	ACS 2020-2024			
		County	Place	Tract	Block Group
Total_WithDisability	Total population with disability	X	X	X	-
Total_WithDisability_Perc	Percentage of population with disability	X	X	X	-
Total_WithoutDisability	Total population without disability	X	X	X	-
Total_WithoutDisability_Perc	Percentage of population without disability	X	X	X	-
Ag65YrsPlus_Perc	Percentage of population 65 years or more	-	-	-	X
IncBelowPoverty150_Perc	Percentage of individuals below 150% of poverty level	-	-	-	X
Language Assistance	Shows block groups with more than 50 limited English speakers, which are scored based on the number of non-English languages in the block group, on a 0-100 scale. This is based on three language categories: Spanish, Asian, and Indo-European. Block groups with one language category above 50 are scored 33, and those with 2 or 3 language categories above 50 are scored 67 and 100 respectively.	-	-	-	X
StdDev_Score	The vulnerability score based on standard deviation is calculated by giving values from 1 to 4 to poverty and minority layers among block groups within the same counties. The county averages for the percentages of minority and population with below 150% of poverty level are calculated. Block groups that are below negative half standard deviation are assigned the value of 1, within half standard deviation below the county average are assigned 2, within half standard deviation above the county average are assigned 3, and above that are assigned 4. The scores for poverty and minority are added for a total score out of 8.	-	-	-	X
Quant_Score	The vulnerability score based on quantile is calculated by assigning values from 1 to 10 to poverty and minority layers among block groups within the same counties. The percentiles for every 10% is calculated for the percentage of minority and population below 150% poverty level. Values 1 to 10 are assigned for every 10%, so block groups below 10% equal 1 and those above 90% equal 10. The scores for poverty and minority are added for a total score out of 20.	-	-	-	X

2.3 Calculations

The calculations performed for the NCDOT Community Studies Profile demographics of population change, race, Hispanic/Latino, minority, poverty, LEP, zero-car households, disability, age, internet access, occupancy status, and mobile home unit percentages are documented in this section. These calculations are based on the data contained in the CombinedData dataset, which is detailed in Table 3. The screenshots included in this section, including the population change example provided below, correspond to the Demographic Snapshot Excel Tool.

Population Change

Geography 2020	ACS 2010-2014 Population*	ACS 2015-2019 Population	ACS 2020-2024 Population	Difference	Percent Change	Annualized Growth Rate
CT 541.13, BG 2	1,636	2,581	3,047	1,411	86.2%	6.4%
CT 541.16, BG 2	735	1,345	1,459	724	98.5%	7.1%
CT 541.16, BG 3	1,041	1,906	2,484	1,443	138.6%	9.1%
CT 541.17, BG 1	2,719	2,736	2,775	56	2.1%	0.2%
CT 541.17, BG 2	2,652	2,669	1,971	(681)	-25.7%	-2.9%
CT 541.17, BG 3	1,693	1,939	1,171	(522)	-30.8%	-3.6%
CT 541.18, BG 1	2,575	2,256	2,451	(124)	-4.8%	-0.5%
CT 541.18, BG 2	2,784	2,705	2,823	39	1.4%	0.1%
CT 541.19, BG 1	3,043	3,643	3,511	468	15.4%	1.4%
CT 541.19, BG 2	2,725	4,062	3,951	1,226	45.0%	3.8%
CT 541.19, BG 3	793	1,229	489	(304)	-38.3%	-4.7%
CT 527.07, BG 1	940	1,899	991	51	5.4%	0.5%
CT 527.07, BG 2	1,551	1,979	2,339	788	50.8%	4.2%
CT 527.07, BG 3	2,271	1,844	970	(1,301)	-57.3%	-8.2%
CT 527.07, BG 4	1,868	1,517	1,549	(319)	-17.1%	-1.9%
DSA	29,026	34,310	31,981	2,955	10.2%	1.0%
Raleigh city	423,287	464,485	481,031	57,744	13.6%	1.3%
Wake County	952,307	1,068,828	1,178,653	226,346	23.8%	2.2%
North Carolina	9,750,307	10,264,849	10,730,404	980,097	10.1%	1.0%

* ACS 2010-2014 and 2015-2019 population data has been re-appropriated to the 2020 census boundaries.

Source: US Census Bureau, American Community Survey 5-year Estimates (2010-2014, 2015-2019, and 2020-2024), Table B01003, "Total Population."

Column	Calculation
ACS 2010-2014 Population	Provided from the "ACS_2010_2014_Total_Population" field in the dataset
ACS 2015-2019 Population	Provided from the "ACS_2015_2019_Total_Population" field in the dataset
ACS 2020-2024 Population	Provided from the "ACS_2020_2024_Total_Population" field in the dataset
Difference	Determined by subtracting the ACS 2010-2014 Population from the ACS 2020-2024 Population
Percent Change	Determined by dividing the Difference by the ACS 2010-2014 Population
Annualized Growth Rate	Determined using the following formula: $\left(\frac{\text{ACS 2020} - \text{2024 Population}}{\text{ACS 2010} - \text{2014 Population}} \right)^{\frac{1}{(2024-2014)}} - 1$

Race

Geography	Total Population	White		Black or African American		American Indian and Alaska Native Alone		Asian		Native Hawaiian/Pacific Islander		Some Other Race		Two or More Races		Total Non-White	
		#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
CT 541.13, BG 2	3,047	925	30.4%	1,194	39.2%	40	1.3%	248	8.1%	-	0.0%	241	7.9%	399	13.1%	2,122	69.6%
CT 541.16, BG 2	1,459	685	46.9%	505	34.6%	4	0.3%	8	0.5%	-	0.0%	-	0.0%	257	17.6%	774	53.1%
CT 541.16, BG 3	2,484	242	9.7%	843	33.9%	-	0.0%	201	8.1%	-	0.0%	332	13.4%	866	34.9%	2,242	90.3%
CT 541.17, BG 1	2,736	518	18.9%	1,151	42.1%	-	0.0%	704	25.7%	-	0.0%	33	1.2%	369	13.5%	2,257	82.5%
CT 541.17, BG 2	2,669	1,135	42.5%	178	6.7%	-	0.0%	52	1.9%	-	0.0%	419	15.7%	187	7.0%	836	31.3%
CT 541.17, BG 3	1,939	306	15.8%	482	24.9%	-	0.0%	30	1.5%	-	0.0%	197	10.2%	156	8.0%	865	44.6%
CT 541.18, BG 1	2,256	1,242	55.1%	1,044	46.3%	-	0.0%	118	5.2%	-	0.0%	12	0.5%	35	1.6%	1,209	53.6%
CT 541.18, BG 2	2,705	1,521	56.2%	531	19.6%	-	0.0%	308	11.4%	-	0.0%	66	2.4%	397	14.7%	1,302	48.1%
CT 541.19, BG 1	3,643	1,591	43.7%	1,276	35.0%	140	3.8%	79	2.2%	-	0.0%	244	6.7%	181	5.0%	1,920	52.7%
CT 541.19, BG 2	4,062	1,058	26.0%	1,442	35.5%	-	0.0%	1,126	27.7%	-	0.0%	56	1.4%	269	6.6%	2,893	71.2%
CT 541.19, BG 3	1,229	454	36.9%	4	0.3%	-	0.0%	23	1.9%	-	0.0%	-	0.0%	8	0.7%	35	2.8%
CT 527.07, BG 1	1,899	374	19.7%	574	30.2%	-	0.0%	-	0.0%	-	0.0%	-	0.0%	43	2.3%	617	32.5%
CT 527.07, BG 2	1,979	966	48.8%	149	7.5%	-	0.0%	417	21.1%	-	0.0%	643	32.5%	164	8.3%	1,373	69.4%
CT 527.07, BG 3	1,844	331	18.0%	639	34.7%	-	0.0%	-	0.0%	-	0.0%	-	0.0%	-	0.0%	639	34.7%
CT 527.07, BG 4	1,517	313	20.6%	834	55.0%	-	0.0%	-	0.0%	-	0.0%	117	7.7%	285	18.8%	1,236	81.5%
DSA	35,468	11,661	32.9%	10,846	30.6%	184	0.5%	3,314	9.3%	-	0.0%	2,360	6.7%	3,616	10.2%	20,320	57.3%
Raleigh city	481,031	253,839	52.8%	127,808	26.6%	1,462	0.3%	24,900	5.2%	82	0.0%	27,715	5.8%	45,225	9.4%	227,192	47.2%
Wake County	1,178,653	682,049	57.9%	221,415	18.8%	2,969	0.3%	100,766	8.5%	318	0.0%	58,604	5.0%	112,532	9.5%	496,604	42.1%
North Carolina	10,730,404	6,630,087	61.8%	2,176,727	20.3%	113,572	1.1%	354,172	3.3%	6,428	0.1%	563,234	5.2%	886,184	8.3%	4,100,317	38.2%

Source: US Census Bureau, American Community Survey 5-year Estimates (2020-2024), Table B02001, "Race."

Column	Calculation
Total Population	Provided from the "Total_Population_forRace" field in the dataset
White	Provided from the "White" field in the dataset
Black or African American	Provided from the "Black" field in the dataset
American Indian or Alaska Native Alone	Provided from the "AmIndianAKNative" field in the dataset
Asian	Provided from the "Asian" field in the dataset
Native Hawaiian/ Pacific Islander	Provided from the "HawaiianOrPIslander" field in the dataset
Some Other Race	Provided from the "OtherRace" field in the dataset
Two or More Races	Provided from the "TwoOrMoreRaces" field in the dataset
Total Non-White	Determined by adding the total population for each race category, with the exception of the "White" category.

Hispanic or Latino Population

Geography	Total Population	Hispanic		Not Hispanic	
		#	%	#	%
CT 541.13, BG 2	3,047	390	12.8%	2,657	87.2%
CT 541.16, BG 2	1,459	98	6.7%	1,361	93.3%
CT 541.16, BG 3	2,484	1,111	44.7%	1,373	55.3%
CT 541.17, BG 1	2,775	243	8.8%	2,532	91.2%
CT 541.17, BG 2	1,971	664	33.7%	1,307	66.3%
CT 541.17, BG 3	1,171	225	19.2%	946	80.8%
CT 541.18, BG 1	2,451	33	1.3%	2,418	98.7%
CT 541.18, BG 2	2,823	150	5.3%	2,673	94.7%
CT 541.19, BG 1	3,511	769	21.9%	2,742	78.1%
CT 541.19, BG 2	3,951	530	13.4%	3,421	86.6%
CT 541.19, BG 3	489	-	0.0%	489	100.0%
CT 527.07, BG 1	991	-	0.0%	991	100.0%
CT 527.07, BG 2	2,339	679	29.0%	1,660	71.0%
CT 527.07, BG 3	970	112	11.5%	858	88.5%
CT 527.07, BG 4	1,549	325	21.0%	1,224	79.0%
DSA	31,981	5,329	16.7%	26,652	83.3%
Raleigh city	481,031	60,502	12.6%	420,529	87.4%
Wake County	1,178,653	136,184	11.6%	1,042,469	88.4%
North Carolina	10,730,404	1,213,850	11.3%	9,516,554	88.7%

Source: US Census Bureau, American Community Survey 5-year Estimates (2020-2024), Table B03002, "Hispanic or Latino Origin by Race."

Column	Calculation
Total Population	Provided from the "Total_Population_forHisp" field in the dataset
Hispanic	Determined by subtracting Not Hispanic from Total Population.
Not Hispanic	Provided from the "TotNotHisOrLatino" field in the dataset

Minority Population

Geography	Total Population	White, Non-Hispanic		Minority Population*		Meets Thresholds	
		#	%	#	%	50%	10% over County
CT 541.13, BG 2	3,047	843	27.7%	2,204	72.3%	Yes	Yes
CT 541.16, BG 2	1,459	671	46.0%	788	54.0%	Yes	Yes
CT 541.16, BG 3	2,484	242	9.7%	2,242	90.3%	Yes	Yes
CT 541.17, BG 1	2,775	497	17.9%	2,278	82.1%	Yes	Yes
CT 541.17, BG 2	1,971	933	47.3%	1,038	52.7%	Yes	No
CT 541.17, BG 3	1,171	306	26.1%	865	73.9%	Yes	Yes
CT 541.18, BG 1	2,451	1,242	50.7%	1,209	49.3%	No	No
CT 541.18, BG 2	2,823	1,521	53.9%	1,302	46.1%	No	No
CT 541.19, BG 1	3,511	1,363	38.8%	2,148	61.2%	Yes	Yes
CT 541.19, BG 2	3,951	1,058	26.8%	2,893	73.2%	Yes	Yes
CT 541.19, BG 3	489	454	92.8%	35	7.2%	No	No
CT 527.07, BG 1	991	374	37.7%	617	62.3%	Yes	Yes
CT 527.07, BG 2	2,339	930	39.8%	1,409	60.2%	Yes	Yes
CT 527.07, BG 3	970	331	34.1%	639	65.9%	Yes	Yes
CT 527.07, BG 4	1,549	313	20.2%	1,236	79.8%	Yes	Yes
DSA	31,981	11,078	34.6%	20,903	65.4%	Yes	N/A
Raleigh city	481,031	246,042	51.1%	234,989	48.9%		
Wake County	1,178,653	662,267	56.2%	516,386	43.8%		
North Carolina	10,730,404	6,438,593	60.0%	4,291,811	40.0%		

* Minority population includes all races that are Non-White and Hispanic populations that are also White.

Source: US Census Bureau, American Community Survey 5-year Estimates (2020-2024), Table B03002, "Hispanic or Latino Origin by Race."

Column	Calculation
Total Population	Provided from the "Total_Population_forHispanic" field in the dataset
White, Non-Hispanic	Provided from the "WhiteNotHisLat" field in the dataset
Minority Population	Determined by subtracting White, Non-Hispanic from the Total Population

NCDOT Thresholds

The following thresholds have been established by NCDOT Community Studies for Minority Populations:

- Any Block Group where 50 percent or more of the population is minority, or "majority minority," is considered to have a notable vulnerability presence.
- Any Block Group with a minority population at least ten percentage points higher than the county average would also have a notable vulnerability presence.

Geographies that meet these thresholds are labeled as "True" and highlighted brown under the "Meets NCDOT Thresholds" columns.

Poverty

Geography	Population for whom Poverty Status is Determined	Below Poverty Level		Under 50% of Poverty Level		Between 100% and 149% of Poverty Level		Meets Thresholds	
		#	%	#	%	#	%	25%	5% over County
CT 541.13, BG 2	3,047	553	18.1%	444	14.6%	609	20.0%	No	Yes
CT 541.16, BG 2	1,372	51	3.7%	34	2.5%	113	8.2%	No	No
CT 541.16, BG 3	2,484	616	24.8%	-	0.0%	241	9.7%	No	Yes
CT 541.17, BG 1	2,774	97	3.5%	97	3.5%	-	0.0%	No	No
CT 541.17, BG 2	1,970	87	4.4%	85	4.3%	39	2.0%	No	No
CT 541.17, BG 3	1,171	-	0.0%	-	0.0%	-	0.0%	No	No
CT 541.18, BG 1	2,451	408	16.6%	112	4.6%	215	8.8%	No	Yes
CT 541.18, BG 2	2,805	526	18.8%	74	2.6%	130	4.6%	No	Yes
CT 541.19, BG 1	3,509	258	7.4%	185	5.3%	383	10.9%	No	Yes
CT 541.19, BG 2	3,930	32	0.8%	19	0.5%	77	2.0%	No	No
CT 541.19, BG 3	483	-	0.0%	-	0.0%	69	14.3%	No	Yes
CT 527.07, BG 1	988	226	22.9%	153	15.5%	61	6.2%	No	Yes
CT 527.07, BG 2	2,339	263	11.2%	12	0.5%	16	0.7%	No	No
CT 527.07, BG 3	970	-	0.0%	-	0.0%	-	0.0%	No	No
CT 527.07, BG 4	1,549	442	28.5%	430	27.8%	423	27.3%	Yes	Yes
DSA	31,842	3,559	11.2%	1,645	5.2%	2,376	7.5%	No	N/A
Raleigh city	462,591	54,989	11.9%	28,754	6.2%	31,665	6.8%		
Wake County	1,156,873	94,044	8.1%	49,519	4.3%	61,190	5.3%		
North Carolina	10,444,377	1,360,882	13.0%	646,536	6.2%	894,845	8.6%		

Source: US Census Bureau, American Community Survey 5-year Estimates (2020-2024), Table C17002, "Ratio of Income to Poverty Level in the Past 12 Months."

Column	Calculation
Total Population for whom Poverty Status is Determined	Provided from the "Total_Population_forPov" field in the dataset
Below Poverty	Provided from the "IndBelowPoverty" field in the dataset
Very Poor: Under 50% of Poverty Level	Provided from the "RatIncToPov_Under50" field in the dataset
Near Poor: Between 100% and 149% of Poverty Level	Provided from the "RatIncToPov100to149" field in the dataset

NCDOT Thresholds

The following thresholds have been established by NCDOT Community Studies for Poverty:

- Any Block Group where the percentage of the population in any of the poverty categories – Below Poverty Level, Very Poor, or Near Poor equals or exceeds 25 percent of the total population of that Block Group.
- Any Block Group where the percentage of the population in any of the poverty categories – Below Poverty Level, Very Poor, or Near Poor exceeds the county average by five percentage points or more.

Geographies that meet these thresholds are labeled as "True" and highlighted brown under the "Meets NCDOT Thresholds" columns.

Limited English Proficiency (LEP)

Geography	Total Adult Population, 18 years and older	Primary Language Group of Persons Who Speak English Less than Very Well								Meets Thresholds	
		Spanish		Other Indo-Euro		Asian/Pacific		Other			
		#	%	#	%	#	%	#	%	LEP	LA
CT 541.13, BG 2	1,995	62	3.1%	82	4.1%	16	0.8%	50	2.5%	N/A	Yes
CT 541.16, BG 2	1,012	-	0.0%	-	0.0%	8	0.8%	45	4.4%	N/A	No
CT 541.16, BG 3	1,902	507	26.7%	46	2.4%	30	1.6%	-	0.0%	N/A	Yes
CT 541.17, BG 1	2,056	95	4.6%	178	8.7%	175	8.5%	22	1.1%	N/A	Yes
CT 541.17, BG 2	1,667	253	15.2%	84	5.0%	-	0.0%	22	1.3%	N/A	Yes
CT 541.17, BG 3	918	109	11.9%	18	2.0%	30	3.3%	-	0.0%	N/A	Yes
CT 541.18, BG 1	1,823	-	0.0%	-	0.0%	27	1.5%	-	0.0%	N/A	No
CT 541.18, BG 2	2,361	14	0.6%	-	0.0%	212	9.0%	85	3.6%	N/A	Yes
CT 541.19, BG 1	2,854	335	11.7%	37	1.3%	17	0.6%	-	0.0%	N/A	Yes
CT 541.19, BG 2	3,492	41	1.2%	31	0.9%	999	28.6%	-	0.0%	N/A	Yes
CT 541.19, BG 3	332	-	0.0%	-	0.0%	-	0.0%	-	0.0%	N/A	No
CT 527.07, BG 1	848	-	0.0%	-	0.0%	-	0.0%	-	0.0%	N/A	No
CT 527.07, BG 2	1,811	88	4.9%	-	0.0%	206	11.4%	-	0.0%	N/A	Yes
CT 527.07, BG 3	908	-	0.0%	-	0.0%	-	0.0%	-	0.0%	N/A	No
CT 527.07, BG 4	1,199	22	1.8%	-	0.0%	-	0.0%	-	0.0%	N/A	No
DSA	25,178	1,526	6.1%	476	1.9%	1,720	6.8%	224	0.9%	Yes	N/A
Raleigh city	385,574	15,272	4.0%	3,723	1.0%	5,849	1.5%	2,539	0.7%		
Wake County	907,474	32,439	3.6%	9,490	1.0%	15,244	1.7%	4,707	0.5%		
North Carolina	8,395,484	314,643	3.7%	49,254	0.6%	67,552	0.8%	20,584	0.2%		

Source: US Census Bureau, American Community Survey 5-year Estimates (2020-2024), Table B16004, "Age by Language Spoken at Home by Ability to Speak English for the Population 5 Years and Over."

Column	Calculation
Total Population, 18 years and older	Provided from the "PopADULT18YrsPlus" field in the dataset
Primary Language of Persons Who Speak English Less than Very Well - Spanish	Provided from the "SpkSpanADULTSpkEngLessThVerWell" field in the dataset
Primary Language of Persons Who Speak English Less than Very Well - Other Indo-Euro	Provided from the "SpkIndoADULTSpkEngLessThVerWell" field in the dataset
Primary Language of Persons Who Speak English Less than Very Well - Asian/Pacific	Provided from the "SpkAsiaADULTSpkEngLessThVerWell" field in the dataset
Primary Language of Persons Who Speak English Less than Very Well - Other	Provided from the "SpkOthrADULTSpkEngLessThVerWell" field in the dataset

NCDOT Thresholds

The following thresholds have been established by NCDOT Community Studies for LEP:

- LEP threshold – 1,000 adults speak English less than very well OR constitute more than 5 percent of the aggregate DSA population within a language group (with at least 50 adults).
- Language assistance (LA) threshold – 50 or more adults of a Block Group's population within a language group who speak English less than very well.

Geographies that meet these thresholds are labeled as "True" and highlighted brown under the "Meets NCDOT Thresholds" columns.

Zero Car Households

Geography	Occupied Housing Units	No Vehicle Available		One Vehicle Available		Two or More Vehicles Available	
		#	%	#	%	#	%
CT 541.13, BG 2	1,169	111	9.5%	516	44.1%	542	46.4%
CT 541.16, BG 2	424	-	0.0%	79	18.6%	345	81.4%
CT 541.16, BG 3	786	76	9.7%	70	8.9%	640	81.4%
CT 541.17, BG 1	872	-	0.0%	166	19.0%	706	81.0%
CT 541.17, BG 2	693	18	2.6%	255	36.8%	420	60.6%
CT 541.17, BG 3	493	-	0.0%	160	32.5%	333	67.5%
CT 541.18, BG 1	1,114	-	0.0%	596	53.5%	518	46.5%
CT 541.18, BG 2	1,193	-	0.0%	360	30.2%	833	69.8%
CT 541.19, BG 1	1,561	18	1.2%	945	60.5%	598	38.3%
CT 541.19, BG 2	1,423	76	5.3%	763	53.6%	584	41.0%
CT 541.19, BG 3	206	8	3.9%	95	46.1%	103	50.0%
CT 527.07, BG 1	476	104	21.8%	226	47.5%	146	30.7%
CT 527.07, BG 2	919	101	11.0%	314	34.2%	504	54.8%
CT 527.07, BG 3	572	-	0.0%	296	51.7%	276	48.3%
CT 527.07, BG 4	596	14	2.3%	234	39.3%	348	58.4%
DSA	12,497	526	4.2%	5,075	40.6%	6,896	55.2%
Raleigh city	203,443	12,259	6.0%	81,996	40.3%	109,188	53.7%
Wake County	460,175	20,156	4.4%	148,653	32.3%	291,366	63.3%
North Carolina	4,282,345	228,255	5.3%	1,345,580	31.4%	2,708,510	63.2%

Source: US Census Bureau, American Community Survey 5-year Estimates (2020-2024), Table B25044, "Tenure by Vehicles Available."

Column	Calculation
Occupied Housing Units	Provided from the "Total_HU_Vehicles" field in the dataset
No Vehicle Available	Provided from the "HU_NoVehiclesAvailable" field in the dataset
One Vehicle Available	Provided from the "HU_OneVehicleAvailable" field in the dataset
Two or More Vehicles Available	Determined by subtracting the sum of "No Vehicle Available" and "One Vehicle Available" from "Total Households."

Disability

Geography	Civilian Noninstitutionalized Population	Persons with Disability		Persons without Disability	
		#	%	#	%
CT 527.07	5,846	1,125	19.2%	4,721	80.8%
CT 541.13	5,624	702	12.5%	4,922	87.5%
CT 541.16	8,917	427	4.8%	8,490	95.2%
CT 541.17	5,915	492	8.3%	5,423	91.7%
CT 541.18	5,274	344	6.5%	4,930	93.5%
CT 541.19	7,943	1,155	14.5%	6,788	85.5%
DSA	39,519	4,245	10.7%	35,274	89.3%
Raleigh city	475,411	45,642	9.6%	429,769	90.4%
Wake County	1,171,095	106,828	9.1%	1,064,267	90.9%
North Carolina	10,519,732	1,428,780	13.6%	9,090,952	86.4%

Source: US Census Bureau, American Community Survey 5-year Estimates (2020-2024), Table B18101, "Sex by Age by Disability Status."

Column	Calculation
Civilian Noninstitutionalized Population	Provided from the "Total_forDisability" field in the dataset
Persons with Disability	Provided from the "Total_WithDisability" field in the dataset
Persons without Disability	Provided from the "Total_WithoutDisability" field in the dataset

Age

Geography	Total Population	Under 18 Years		18 to 64 Years		65 Years or Older	
		#	%	#	%	#	%
CT 541.13, BG 2	3,047	1,052	34.5%	1,658	54.4%	337	11.1%
CT 541.16, BG 2	1,459	447	30.6%	962	65.9%	50	3.4%
CT 541.16, BG 3	2,484	582	23.4%	1,888	76.0%	14	0.6%
CT 541.17, BG 1	2,775	719	25.9%	1,828	65.9%	228	8.2%
CT 541.17, BG 2	1,971	304	15.4%	1,313	66.6%	354	18.0%
CT 541.17, BG 3	1,171	253	21.6%	818	69.9%	100	8.5%
CT 541.18, BG 1	2,451	628	25.6%	1,672	68.2%	151	6.2%
CT 541.18, BG 2	2,823	462	16.4%	2,098	74.3%	263	9.3%
CT 541.19, BG 1	3,511	657	18.7%	2,260	64.4%	594	16.9%
CT 541.19, BG 2	3,951	459	11.6%	2,945	74.5%	547	13.8%
CT 541.19, BG 3	489	157	32.1%	149	30.5%	183	37.4%
CT 527.07, BG 1	991	143	14.4%	640	64.6%	208	21.0%
CT 527.07, BG 2	2,339	528	22.6%	1,485	63.5%	326	13.9%
CT 527.07, BG 3	970	62	6.4%	647	66.7%	261	26.9%
CT 527.07, BG 4	1,549	350	22.6%	1,049	67.7%	150	9.7%
DSA	31,981	6,803	21.3%	21,412	67.0%	3,766	11.8%
Raleigh city	481,031	95,457	19.8%	328,493	68.3%	57,081	11.9%
Wake County	1,178,653	271,179	23.0%	755,554	64.1%	151,920	12.9%
North Carolina	10,730,404	2,334,920	21.8%	6,549,921	61.0%	1,845,563	17.2%

Source: US Census Bureau, American Community Survey 5-year Estimates (2020-2024), Table B01001, "Sex by Age."

Column	Calculation
Total Population	Provided from the "Total_Population" field in the dataset
Under 18 Years	Provided from the "AgeUnder18Yrs" field in the dataset
18 to 64 Years	Provided from the "Age18_64Yrs" field in the dataset
65 Years or Older	Provided from the "Age65YrsPlus" field in the dataset

Internet Access

Geography	Total Households	Limited Access to Internet*		With a Broadband Internet Subscription of Any Type**		Cellular Data Plan Only	
		#	%	#	%	#	%
CT 541.13, BG 2	1,169	122	10.4%	1,047	89.6%	230	19.7%
CT 541.16, BG 2	424	4	0.9%	420	99.1%	62	14.6%
CT 541.16, BG 3	786	57	7.3%	729	92.7%	139	17.7%
CT 541.17, BG 1	872	-	0.0%	872	100.0%	111	12.7%
CT 541.17, BG 2	693	-	0.0%	693	100.0%	213	30.7%
CT 541.17, BG 3	493	-	0.0%	493	100.0%	92	18.7%
CT 541.18, BG 1	1,114	76	6.8%	1,038	93.2%	134	12.0%
CT 541.18, BG 2	1,193	95	8.0%	1,098	92.0%	13	1.1%
CT 541.19, BG 1	1,561	67	4.3%	1,494	95.7%	86	5.5%
CT 541.19, BG 2	1,423	28	2.0%	1,395	98.0%	89	6.3%
CT 541.19, BG 3	206	21	10.2%	185	89.8%	-	0.0%
CT 527.07, BG 1	476	196	41.2%	280	58.8%	-	0.0%
CT 527.07, BG 2	919	32	3.5%	887	96.5%	106	11.5%
CT 527.07, BG 3	572	55	9.6%	517	90.4%	217	37.9%
CT 527.07, BG 4	596	-	0.0%	596	100.0%	-	0.0%
DSA	12,497	753	6.0%	11,744	94.0%	1,492	11.9%
Raleigh city	203,443	10,872	5.3%	192,571	94.7%	17,264	8.5%
Wake County	460,175	21,606	4.7%	438,569	95.3%	32,980	7.2%
North Carolina	4,282,345	424,941	9.92%	3,857,404	90.08%	444,723	10.39%

* Limited access to Internet refers to having a dial-up internet service with no other type of Internet subscription, internet access without a subscription, or no Internet access.

** A broadband Internet subscription of any type refers to having at least one type of Internet subscription other than a dial-up subscription

Source: US Census Bureau, American Community Survey 5-year Estimates (2020-2024), Table B28002, "Presence and Types of Internet Subscriptions in Household."

Column	Calculation
Total Households	Provided from the "Total_Households_forNet" field in the dataset
Limited Access to Internet	Provided from the "HH_WithLtdAccessNet" field in the dataset
With a Broadband Internet Subscription of Any Type	Provided from the "HH_WithBroadbandAny" field in the dataset
Cellular Data Plan Only	Provided from the "HH_Only_WithCellularDataPlan" field in the dataset

Occupancy Status

Geography	Total Units	Occupancy Status				Vacancy Status							
		Total	Owner Occupied	Renter Occupied	% Renter Occupied	Total	For Rent	Rented, not occupied	For sale only	Sold, not occupied	For seasonal, recreational, or occasional use	For migrant workers	Other vacant
CT 541.13, BG 2	1,280	1,169	87	912	71.3%	111	41	70	-	-	-	-	-
CT 541.16, BG 2	424	424	93	79	18.6%	-	-	-	-	-	-	-	-
CT 541.16, BG 3	786	786	55	496	63.1%	-	-	-	-	-	-	-	-
CT 541.17, BG 1	872	872	91	108	12.4%	-	-	-	-	-	-	-	-
CT 541.17, BG 2	756	693	66	297	39.3%	63	18	-	-	-	45	-	-
CT 541.17, BG 3	493	493	81	13	2.6%	-	-	-	-	-	-	-	-
CT 541.18, BG 1	1,209	1,114	99	282	23.3%	95	-	46	-	-	-	-	49
CT 541.18, BG 2	1,229	1,193	95	386	31.4%	36	36	-	-	-	-	-	-
CT 541.19, BG 1	1,809	1,561	78	531	29.4%	248	135	45	-	-	-	-	68
CT 541.19, BG 2	1,492	1,423	87	224	15.0%	69	-	-	-	50	19	-	-
CT 541.19, BG 3	254	206	100	8	3.1%	48	48	-	-	-	-	-	-
CT 527.07, BG 1	519	476	100	355	68.4%	43	-	-	-	-	-	-	43
CT 527.07, BG 2	961	919	71	156	16.2%	42	-	-	42	-	-	-	-
CT 527.07, BG 3	638	572	88	311	48.7%	66	66	-	-	-	-	-	-
CT 527.07, BG 4	596	596	79	38	6.4%	-	-	-	-	-	-	-	-
DSA	13,318	12,497	1,271	4,196	31.5%	821	344	161	42	50	64	-	160
Raleigh city	224,853	203,443	103,241	100,202	44.6%	21,410	9,825	4,250	899	1,065	1,011	-	4,360
Wake County	496,047	460,175	295,069	165,106	33.3%	35,872	16,685	4,759	1,789	1,583	2,164	44	8,848
North Carolina	4,895,668	4,282,345	2,853,493	1,428,852	29.2%	613,323	110,413	23,827	37,117	22,051	191,878	1,407	226,630

Source: US Census Bureau, American Community Survey 5-year Estimates (2020-2024), Table B25002, "Vacancy Status," Table B25003, "Tenure," and Table B25004, "Occupancy Status."

Column	Calculation
Total Units	Provided from the "Total_HousingUnits" field in the dataset
Occupancy Status - Total	Provided from the "HUOccupied_Total" field in the dataset
Occupancy Status - Owner Occupied	Provided from the "OwnerOccupied" field in the dataset
Occupancy Status - Renter Occupied	Provided from the "RenterOccupied" field in the dataset
Vacancy Status - Total	Provided from the "HUVacant_Total" field in the dataset
Vacancy Status - For Rent	Provided from the "ForRent" field in the dataset
Vacancy Status - Rented, not occupied	Provided from the "Rented_NotOccupied" field in the dataset
Vacancy Status - For sale only	Provided from the "ForSale" field in the dataset
Vacancy Status - Sold, not occupied	Provided from the "Sold_NotOccupied" field in the dataset
Vacancy Status - For seasonal, recreational, or occasional use	Provided from the "SeasonalUse" field in the dataset
Vacancy Status - migrant workers	Provided from the "MigrantWorkers" field in the dataset
Vacancy Status - Other vacant	Provided from the "VacantOther" field in the dataset

Mobile Home

Geography	Total Units	Mobile Home Units		Other Units	
		#	%	#	%
CT 541.13, BG 2	1,280	137	10.7%	1,143	89.3%
CT 541.16, BG 2	424	-	0.0%	424	100.0%
CT 541.16, BG 3	786	395	50.3%	391	49.7%
CT 541.17, BG 1	872	51	5.8%	821	94.2%
CT 541.17, BG 2	756	-	0.0%	756	100.0%
CT 541.17, BG 3	493	-	0.0%	493	100.0%
CT 541.18, BG 1	1,209	-	0.0%	1,209	100.0%
CT 541.18, BG 2	1,229	-	0.0%	1,229	100.0%
CT 541.19, BG 1	1,809	-	0.0%	1,809	100.0%
CT 541.19, BG 2	1,492	-	0.0%	1,492	100.0%
CT 541.19, BG 3	254	-	0.0%	254	100.0%
CT 527.07, BG 1	519	-	0.0%	519	100.0%
CT 527.07, BG 2	961	302	31.4%	659	68.6%
CT 527.07, BG 3	638	-	0.0%	638	100.0%
CT 527.07, BG 4	596	-	0.0%	596	100.0%
DSA	13,318	885	6.6%	12,433	93.4%
Raleigh city	224,853	2,937	1.3%	221,916	98.7%
Wake County	496,047	13,209	2.7%	482,838	97.3%
North Carolina	4,895,668	537,028	11.0%	4,358,640	89.0%

Source: US Census Bureau, American Community Survey 5-year Estimates (2020-2024), Table B25024, "Units in Structure."

Column	Calculation
Total Units	Provided from the "Total_HU" field in the dataset
Mobile Home Units	Provided from the "MobileHomeUnits" field in the dataset
Other Units	Provided from the "NonMobileHomeUnits" field in the dataset

3.0 Community Overview Profile

The Community Overview Profile provides an overview of the community at the DSA, place, county, and state geographic levels. It contains common demographics not included in the NCDOT Community Studies Profile: median age, employment, commute mode and time, housing, median household income, and median housing value. This more robust set of demographics, including particular transportation statistics, is often cited in "community profiles" at the beginning of a transportation plan.

3.1 Data Sources

Please refer to Section 2.1 as the Community Overview Profile uses the CombinedData dataset contained in the NCDOT Community Studies Profile.

3.2 Data Dictionary

Please refer to Section 2.2 as the Community Overview Profile uses the CombinedData dataset contained in the NCDOT Community Studies Profile.

3.3 Calculations

This section documents the calculations performed to create the Community Overview Profile. The calculations are based on data contained in the CombinedData dataset, which is detailed in Table 3. A completed Community Overview Profile example from the Demographic Snapshot Excel Tool is provided below.

Demographic	DSA	Raleigh city	Wake County	North Carolina
Median age*	37.7	34.7	37.3	39.1
Unemployment rate	3.6%	4.4%	4.1%	4.7%
Workers that work in the state of residence	99.5%	99.3%	99.2%	97.8%
Workers that work outside the state of residence	0.5%	0.7%	0.8%	2.2%
In-state workers that work in the county of residence	85.9%	88.3%	87.0%	74.7%
In-state workers that work outside the county of residence	14.1%	11.7%	13.0%	25.3%
Mean commute time		23.0	25.1	25.1
Commute alone by auto	81.6%	84.0%	86.6%	85.5%
Commute by carpool	15.6%	9.1%	8.3%	10.1%
Commute by public transportation	0.0%	1.9%	0.9%	0.8%
Commute by bike/ped	0.4%	2.8%	2.0%	2.1%
Commute by other mode	2.5%	2.3%	2.2%	1.5%
Median household income*	\$78,494	\$85,395	\$105,768	\$72,388
Occupied housing units	93.8%	90.5%	92.8%	87.5%
Vacant housing units	6.2%	9.5%	7.2%	12.5%
Median housing value*	\$328,721	\$415,800	\$461,300	\$288,900
Mobile home rate	6.6%	1.31%	2.66%	11.0%

*Medians reported as an average of the medians of the block groups comprising the DSA

Demographic	Census Table Number	Calculation
Median age	B01002	Provided directly from ACS table
Unemployment rate	B23025	Determined by dividing the number of unemployed persons in the civilian labor force ("Emp_Civilian_Unemployed" field) by the total number of persons in the civilian labor force ("Emp_Civilian" field)
Workers that work in the state of residence	B08007	Determined by dividing the number of workers that work in the state of residence ("WorkInStateofRes" field) by the total number of workers ("Total_Workers" field)
Workers that work outside the state of residence	B08007	Determined by dividing the number of workers that work outside the state of residence ("WorkNotInStateofRes" field) by the total number of workers ("Total_Workers" field)
In-state workers that work in the county of residence	B08007	Determined by dividing the number of workers that work in the county of residence ("WorkInCountyofRes" field) by the number of workers that work in the state of residence ("WorkInStateofRes" field)
In-state workers that work outside the county of residence	B08007	Determined by dividing the number of workers that work outside the county of residence ("WorkNotInCountyofRes" field) by the number of workers that work in the state of residence ("WorkInStateofRes" field)
Mean commute time	S0801	Provided directly from ACS table
Commute alone by auto	B08301	Determined by dividing the number of commuters who commute alone by car, truck, or van ("CrTrVanCmuteAlone" field) by the total number of workers who did not work at home ("WorkNotAtHome" field)
Commute by carpool	B08301	Determined by dividing the number of commuters who carpool by car, truck, or van ("CrTrVanCarpooled" field) by the total number of workers who did not work at home ("WorkNotAtHome" field)

Demographic	Census Table Number	Calculation
Commute by public transportation	B08301	Determined by dividing the number of commuters who commute by public transportation ("PublicTransport_Total" field) by the total number of workers who did not work at home ("WorkNotAtHome" field)
Commute by bike/ped	B08301	Determined by dividing the number of commuters who commute by bicycling ("Bicycle" field) or walking ("Walked" field) by the total number of workers who did not work at home ("WorkNotAtHome" field)
Commute by other mode	B08301	Determined by dividing the number of commuters who commute by taxi ("PubTaxi" field), motorcycle ("Motorcycle" field), or other mode ("OtherTransport" field) by the total number of workers who did not work at home ("WorkNotAtHome" field)
Median household income	B19049	Provided directly from ACS table
Occupied housing units	B25002	Determined by dividing the number of occupied housing units ("HU_Occupied" field) by the total number of housing units ("Total_HousingUnits" field)
Vacant housing units	B25002	Determined by dividing the number of vacant housing units ("HU_Vacant" field) by the total number of housing units ("Total_HousingUnits" field)
Median housing value	B25077	Provided directly from ACS table

4.0 Health Indicators Profile

The Health Indicators Profile generates the health impacts table included as an appendix to NCDOT CIAs. The profile includes the following topics: median household income, ratio of housing and transportation costs to household income, zero-car households, travel time, pedestrian and bicyclist crashes, motor vehicle mortality rate, physical inactivity, access to exercise opportunities, and access to healthy foods. It is available at the DSA, place, county, and state geographic levels.

4.1 Data Dictionary and Sources

The Health Indicators Profile is based on data contained in the Health Indicators dataset, which is compiled from several sources: ACS, Center for Neighborhood Technology, County Health Rankings & Roadmaps Program, and NCDOT. Table describes the field names used in the Health Indicators dataset, identifies the corresponding data source, and notes at which geographic level the field is available.

Table 4: Health Indicators Dataset Data Dictionary and Sources

Field Name	Description	Data Source	Block Group	Place	County	State
FIPS	Federal Information Processing Standard field	ACS 2020-2024	X	X	X	X
Geography_Name	The name to describe the geography	ACS 2020-2024	X	X	X	X
MHHI_MedianHHIncomePast12Mnth	Median household income in the past 12 months	ACS 2020-2024, B19049	X	X	X	X
HT_Index	Cost of housing and transportation as a percentage of typical household income	Center for Neighborhood Technology. (2022). H+T Affordability Index (https://htaindex.cnt.org)	X	X	X	-
HU_NoVehiclesAvailable_Perc	Percent of households with no vehicles available	ACS 2020-2024, B25044	X	X	X	X
ComLessThan15Mins_Perc	Percent of commuters with a travel time under 15 minutes	ACS 2020-2024, B08303	X	X	X	X
Ped_Crashes	Number of pedestrian crashes occurring within the selected geography	NCDOT Bicycle and Pedestrian Crash Layer, 2007-2024 (https://ncdot.maps.arcgis.com/home/item.html?id=d00e97d23146472cb5da78fc3dbc0274)	X	X	X	X
Bike_Crashes	Number of bicycle crashes occurring within the selected geography	NCDOT Bicycle and Pedestrian Crash Layer, 2007-2024 (https://ncdot.maps.arcgis.com/home/item.html?id=b4fcdc266d054a1ca075b60715f88aef)	X	X	X	X
Ped_Crash_Rate	Reported pedestrian crash annual average rate per 10,000 population	NCDOT Bicycle and Pedestrian Crash Layer, 2007-2024 (https://ncdot.maps.arcgis.com/home/item.html?id=d00e97d23146472cb5da78fc3dbc0274)	-	X	X	X

Field Name	Description	Data Source	Block Group	Place	County	State
Bike_Crash_Rate	Reported bicycle crash annual average rate per 10,000 population	NCDOT Bicycle and Pedestrian Crash Layer, 2007-2024 (https://ncdot.maps.arcgis.com/home/item.html?id=b4fcdc266d054a1ca075b60715f88aef)	-	X	X	X
PhysicalInactivity_Perc	Percentage of adults age 20 and over reporting no leisure-time physical activity	Behavioral Risk Factor Surveillance System, 2023 (via County Health Rankings & Roadmaps, http://www.countyhealthrankings.org)	-	-	X	X
AccessExercise_Perc	Percentage of the population with adequate access to locations for physical activity	ArcGIS Business Analyst and ArcGIS Online; YMCA; US Census TIGER/Line Shapefiles, 2024, 2022, and 2020 (via County Health Rankings & Roadmaps, http://www.countyhealthrankings.org)	-	-	X	X
LimitedFood	Number of individuals who are low-income, having an annual income of less than or equal to 200 percent of the federal poverty level, and do not live close to a grocery store, within ten miles in rural areas and one mile in non-rural areas	USDA Food Environment Atlas, 2019 (via County Health Rankings & Roadmaps, http://www.countyhealthrankings.org)	-	-	X	X
LimitedFood_Perc	Percentage of population who are low-income, having an annual income of less than or equal to 200 percent of the federal poverty level, and do not live close to a grocery store, within ten miles in rural areas and one mile in non-rural areas	USDA Food Environment Atlas, 2019 (via County Health Rankings & Roadmaps, http://www.countyhealthrankings.org)	-	-	X	X
AgeAdjMotVehMort_Rate	Age-adjusted unintentional motor vehicle injury death annual rate per 100,000 population	North Carolina State Center for Health Statistics, 2023 (NCDHHS: DPH: NC SCHS: Statistics and Reports: Vital Statistics: Volume 2, Leading Causes of Death - 2023)	-	-	X	X

4.2 Calculations

This section documents the calculations performed to create the Health Indicators Profile. The calculations are based on data contained in the Health Indicators dataset, which is detailed in Table . A completed Health Indicators Profile example from the Demographic Snapshot Excel Tool is provided below.

Demographic	DSA	Raleigh city	Wake County	North Carolina
Median household income*	\$78,494	\$85,395	\$105,768	\$72,388
Housing + transportation costs % of income*	0.00	37.0%	40.0%	
Households with no vehicles available	4.2%	24.2%	4.4%	5.3%
Travel time to work less than 15 minutes	15.8%	6.0%	21.6%	26.3%
Number of pedestrian crashes	0	2,878	4,028	37,478
Number of bicyclist crashes	0	1,330	2,019	16,756
Average pedestrian crash rate		3.32	1.90	1.94
Average bicyclist crash rate		1.54	0.95	0.87
Age-adjusted motor vehicle mortality rate			8.80	16.40
Physical inactivity			18.0%	25.0%
Access to exercise opportunities			98.6%	78.0%
Limited access to healthy foods			5.4%	7.5%

*Average of individual block group statistics, weighted statistics for the DSA are not available.

Demographic	Calculation
Median household income	Provided directly from ACS, Table B19049
Housing + transportation costs % of income	Provided directly from the Center for Neighborhood Technology
Households with no vehicles available	Determined by dividing the number of households without access to a vehicle ("HU_NoVehiclesAvailable" field) by the total number of households ("Total_HU_Vehicles" field)
Travel time to work less than 15 minutes	Determined by dividing the number of commuters with commute times less than 5 minutes ("ComLessThan5Mins" field), number of commuters with commute time between 5 and 9 minutes ("Com5to9Mins" field), and commuters with commute times between 10 and 14 minutes ("Com10to14Mins" field) by the total population for commute time ("Total_Pop_CommuterTime" field)
Number of pedestrian crashes	Using the NCDOT Bicycle and Pedestrian Crash Layer containing statewide crash data for years 2007 to 2024, geocoded incident points were spatially joined with TIGER/Line 2025 Census Data. Attributes of each census block group, county, or place were assigned to all points that fell within the polygon. Bike and pedestrian crash points were then spatially joined back to the census data; the resulting dataset provided total counts for each type of incident within a given block group. All data layers resulting from the analysis were then exported to Excel while fields were formatted to maintain consistency and facilitate data retrieval.
Number of bicyclist crashes	
Average pedestrian crash rate	Pedestrian crashes from the NCDOT Bicycle and Pedestrian Crash Layer (2007-2024) were averaged, divided by ACS 2020-2024 five-year population estimates, and then multiplied by 10,000 to determine an annual average rate per 10,000 people.
Average bicyclist crash rate	Bicycle crashes from the NCDOT Bicycle and Pedestrian Crash Layer (2007-2024) were averaged, divided by ACS 2020-2024 five-year population estimates, and then multiplied by 10,000 to determine an annual average rate per 10,000 people.
Age-adjusted motor vehicle mortality rate	Age-adjusted unintentional motor vehicle injury death rate per 100,000 population provided directly from the North Carolina State Center for Health Statistics
Physical inactivity	Provided directly from County Health Rankings
Access to exercise opportunities	Provided directly from County Health Rankings
Limited access to healthy foods	Provided directly from the USDA Food Environment Atlas

5.0 Demographic Snapshot Dashboard

The **Demographic Snapshot Dashboard** provides a visualization of the geographical distribution of the demographic data, including vulnerability scores. The tool includes the following topics: population change, minority, poverty, population over 65, Hispanic/Latino, LEP, internet access, zero-car household, and occupancy status.

The data comes from different ACS 5-year estimate datasets (2006-2010, 2011-2015, 2016-2020, 2010-2014, 2015-2019, and 2020-2024). While the map on the dashboard is at the block group level, the data tables are available for four census geographic levels: block group, census tract, place, and county.

5.1 Data Sources

The primary data source for the dashboard is the American Community Survey (ACS) five-year estimates for 2020-2024. ACS five-year estimates for 2010-2014 and 2015-2019 were used for population change data. Additionally, data for the trend charts comes from the ACS five-year estimates for 2006-2010, 2011-2015, and 2016-2020.

Table 5 lists the topics contained in the Demographic Snapshot Dashboard, identifies the corresponding census table number, and notes at which geographic level the topic is available.

Table 5: Demographic Snapshot Dashboard Data Sources

Topic	Census Table Number	Map, Data Tables, or Charts			Trend Charts		
		2020-2024	2015-2019	2010-2014	2016-2020	2011-2015	2006-2010
		Block Group	Block Group	Block Group	Block Group	Block Group	Block Group
Total Population	B01003	X	X	X	X	X	X
Race	B03002	X	-	-	X	X	X
Ratio of Income to Poverty Level in the Past 12 Months	C17002	X	-	-	X	X	X
Sex By Age	B01001	X	-	-	-	-	-
Hispanic or Latino Origin by Race	B03002	X	-	-	X	X	X
Age by Language Spoken at Home by Ability to Speak English for the Population 5 Years and Over	B16004 / C16002	X	-	-	X	X	X
Internet Access	B28002	X	-	-	-	-	-
Tenure by Vehicles Available	B25044	X	-	-	X	X	X
Occupancy Status	B25044	X	-	-	X	X	X

6.0 Trend Analysis

The Trend Analysis provides an overview of the historical comparison. The analysis provides a comparison of the following topics: race, Hispanic/Latino, minority, poverty, limited English proficiency (LEP), zero-car households, occupancy status, and mobile home unit percentages. The data comes from three different ACS 5-year estimate datasets. It is available at the block group, county, place, and state geographic levels.

6.1 Data Sources

The Trend Analysis uses part of the CombinedData dataset (fields previously included in the CalculatedData) contained in the past NCDOT Community Studies Profiles. Provision of historical comparison is limited to the topics below due to data availability and the geography differences between 2006-2010 and 2011-2015 / 2016-2020.

Table below lists the topics contained in the Trend Analysis, identifies the corresponding census table number, and notes at which geographic level the topic is available.

Table 6: NCDOT Trend Analysis Data Sources

Topic	Census Table Number	ACS 2006-2010, 2011-2015, and 2016-2020 Joined to the 2020 Census Geography			
		County	Place	Tract	Block Group
Total Population	B01003	X	X	-	X
Sex by Age	B01001	-	-	-	-
Median Age by Sex	B01002	-	-	-	-
Race	B02001	X	X	-	X
Hispanic or Latino Origin by Race	B03002	X	X	-	X
Ratio of Income to Poverty Level in the Past 12 Months	C17002	X	X	-	X
Median Household Income in the Past 12 Months	B19049	-	-	-	-
Age by Language Spoken at Home by Ability to Speak English for the Population 5 Years and Over	B16004	X	X	-	X
Employment Status for the Population 16 Years and Over	B23025	X	X	-	X
Sex Of Workers by Place of Work- State and County Level	B08007	X	X	-	X
Tenure by Vehicles Available	B25044	X	X	-	X
Means of Transportation to Work	B08301	-	-	-	-
Travel Time to Work	B08303	-	-	-	-
Mean Travel Time to Work of Workers 16 Years and Over Who Did Not Work at Home (Minutes)	S0801	-	-	-	-
Occupancy Status	B25002	X	X	-	X
Tenure	B25003	X	X	-	X
Vacancy Status	B25004	X	X	-	X
Units in Structure	B25024	X	X	-	X
Value	B25075	-	-	-	-
Median Value (Dollars)	B25077	-	-	-	-
Disability	B18101	-	-	-	-
Internet Access	B28002	-	-	-	-

6.2 Data Dictionary

Please refer to Section 2.2 as the Trend Analysis uses the CombinedData dataset contained in the NCDOT Community Studies Profile.