

Fair Access in Communities Tool User Guide

2020–2024 5-YR AMERICAN COMMUNITY SURVEY EDITION
NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS



What is NCTCOG?

The **North Central Texas Council of Governments (NCTCOG)** is a voluntary association of, by, and for **local governments** within the 16-county North Central Texas Region. The agency was established by state enabling legislation in 1966 to assist local governments in **planning** for common needs, **cooperating** for mutual benefit, and **coordinating** for sound regional development. Its purpose is to strengthen both the individual and collective power of local governments, and to help them recognize regional opportunities, resolve regional problems, eliminate unnecessary duplication, and make joint regional decisions — as well as to develop the means to implement those decisions.

North Central Texas is a 16-county **metropolitan region** centered around Dallas and Fort Worth. The region has a population of over 8 million, which is larger than 38 states, and an area of approximately 12,800 square miles, which is larger than nine states. NCTCOG has 235 member governments, including all 16 counties, 170 cities, 20 independent school districts, and 29 special districts.

NCTCOG's structure is relatively simple. An elected or appointed public official from each member government makes up the **General Assembly** which annually elects NCTCOG's **Executive Board**. The Executive Board is composed of 17 locally elected officials and one ex-officio non-voting member of the legislature. The Executive Board is the policy-making body for all activities undertaken by NCTCOG, including program activities and decisions, regional plans, and fiscal and budgetary policies. The Board is supported by policy development, technical advisory and study **committees** — and a professional staff led by **Todd Little**, Executive Director.



NCTCOG's offices are located in Arlington in the Centerpoint Two Building at 616 Six Flags Drive (approximately one-half mile south of the main entrance to Six Flags Over Texas).

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NCTCOG's Department of Transportation

Since 1974 NCTCOG has served as the Metropolitan Planning Organization (MPO) for transportation for the Dallas-Fort Worth area. NCTCOG's Department of Transportation is responsible for the regional planning process for all modes of transportation. The department provides technical support and staff assistance to the Regional Transportation Council and its technical committees, which compose the MPO policy-making structure. In addition, the department provides technical assistance to the local governments of North Central Texas in planning, coordinating, and implementing transportation decisions.

Prepared in cooperation with the U.S. Department of Transportation (Federal Highway Administration and Federal Transit Administration) and the Texas Department of Transportation. The contents of this report reflect the views of the authors who are responsible for the opinions, findings, and conclusions presented herein. The contents do not necessarily reflect the views or policies of the Federal Highway Administration, the Federal Transit Administration, or the Texas Department of Transportation.

This document was prepared with support from AI writing tools and finalized by NCTCOG staff for accuracy and clarity.

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1. Introduction to the Fair Access in Communities Tool

Title VI of the Civil Rights Act of 1964 prohibits discrimination based on race, color, or national origin in programs and activities that receive federal funding. The Civil Rights Restoration Act of 1987 clarified that this protection applies to all activities of federal-aid recipients, whether or not each activity is directly federally funded.

The Fair Access in Communities Tool (FACT) was developed by the North Central Texas Council of Governments (NCTCOG) to help identify areas where protected populations are present. The tool uses demographic data from the American Community Survey at the Census block group level to support nondiscrimination planning and analysis.

The tool is intended to help identify areas that may benefit from further analysis and engagement. Regional averages are available as a reference but are no longer the sole criteria for highlighting areas of interest. Users are encouraged to consider the context and scope of their own projects when interpreting the map or conducting analyses.

FACT is available in two formats:

- An interactive online map, where users can explore community characteristics by clicking on block groups.
- A downloadable block group-based GIS dataset at www.nctcog.org/titlevi for use in custom analyses.

Changes between Editions of the Fair Access in Communities Tool

FACT represents our updated approach to nondiscrimination analysis. This new tool has evolved significantly in both content and presentation, reflecting current Title VI compliance practices and incorporating improved digital tools for accessing and interpreting demographic data.

Furthermore, the latest iteration of FACT has updated aliases vetted through the NCTCOG Communications Team to create neutral and bias-free language.

Platform Upgrade for Better Usability

FACT now runs on Esri Experience Builder. This replaces the older platform, allowing for improved navigation, a more modern interface, and better performance across devices. In the future, additional improvements will be made to provide even more functionality.

Updated Map Symbology

A new bivariate color scheme shows both population characteristics and density.

- Color hue indicates protected population type:
 - Yellow for Limited Financial Resources (LFR)
 - Blue for Racial-Ethnic Minority
 - Green for both
- Color intensity reflects population density:
 - Deeper saturation = higher density
 - Lighter shades = lower density

This approach refines the prior method of highlighting areas above the regional average, aligning with best practices that avoid rigid thresholds in equal opportunity mapping. Additionally, it integrates population density as a key factor in evaluating impacts.

2. Navigating FACT

The Fair Access in Communities Tool is an interactive, web-based mapping tool designed to help users explore demographic data at the block group level.

Viewing Pop-Up Information

Clicking on a block group on the map will display a **pop-up with demographic data** for that area, based on the selected layer(s). If the “**Racial-Ethnic Minority and/or Population Below Poverty**” layer is active, the pop-up will show the relevant statistics for those populations.

When supplemental layers are also enabled, their associated data appears in the same pop-up window along with the default demographic information.

Navigating Stacked Pop-Ups

In areas where multiple block groups are adjacent—especially at broader zoom levels—clicking the map may identify more than one block group. In these cases, FACT displays the results as **stacked pop-ups** within a single window. Use the **arrow icons at the top right** of the pop-up to scroll through each applicable block group.

To reduce the number of stacked pop-ups and focus on a single block group, **zoom in** closer before selecting a location.

Tip: Always check the header of each pop-up to confirm which block group is being referenced as you scroll through stacked results.

Downloading FACT Data

Users interested in working with FACT data outside the online tool can download the full dataset:

1. Click the “**Data and Links**” icon (far right on the upper toolbar).
2. Select “**Download FACT Data.**”
3. Save the ArcGIS Pro project package (.ppkx) to your local computer.
4. Extract the contents from the downloaded folder.

The download includes:

- A copy of this user guide
- A file geodatabase with data at both the **block group** and **Census tract** levels
- Pre-symbolized map layers for easy use in ArcGIS Pro

These resources support further spatial analysis or custom mapping based on the FACT dataset.

3. FACT Variables and Results

The Fair Access in Communities Tool provides access to regional demographic data at the Census block group level to support equal opportunity transportation planning and compliance with nondiscrimination requirements. The tool is intended to help analysts explore where populations of interest, particularly those protected under Title VI, may be more concentrated, offering a foundation for further consideration and analysis.

Understanding Populations of Interest

FACT includes demographic variables that can support Title VI-related analysis, which prohibits discrimination based on race, color, and national origin. In simple terms, this includes identifying populations by race and ethnicity. While **LFR populations are not included under Title VI**, FACT maintains LFR as a **core variable** in the tool due to its continued relevance in equal opportunity analysis and planning practices.

Regional Percentages

To provide context, this guide includes regional percentages in the following table for core and supplemental variables. These percentages represent the share of the region's population meeting a given definition (e.g., Racial-Ethnic Minority or LFR) out of the total "universe" population.

Note: While these percentages are provided for reference, they are not applied as thresholds in the web application's symbology. Users are encouraged to interpret them as contextual information—not as a bright line or definitive cutoff for identifying communities.

Layer	Regional Percentage
Total Black or African American	16.19%
Total American Indian or Alaska Native	0.69%
Total Asian	8.21%
Total Native Hawaiian or Other Pacific Islander	0.10%
Hispanic or Latino	29.56%
Total Some Other Race	8.65%
Total Two or More Races	17.60%
Total Racial-Ethnic Minority Population	57.74%
LFR/Below Poverty	13.80%
Persons with Disabilities	10.36%
Age 65 and Over	12.23%
Female Head of Household	7.85%
Zero Car Households	4.80%
PLB Total	11.22%
PLB Spanish	8.26%
PLB Asian Language	1.65%
PLB Other Indo-European Language	0.82%
PLB Other Language	0.49%
Households with No Internet Access at Home	5.37%

Visualizing Demographic Patterns

Within the web application, block groups are shaded based on selected variables. The most commonly used visualizations highlight:

- **Racial-Ethnic Minority**
- **LFR Populations**

These can help users identify areas where further analysis may be warranted but are not intended to determine outcomes on their own.

Additionally, users who download the full dataset will have access to a **dot density visualization**, which is not supported in the online version. In the downloadable ArcGIS Pro file are:

- **Person-level variables** (e.g., Racial-Ethnic Minority) are shown with 1 dot per 250 individuals.
- **Household-level variables** (e.g., households without vehicles) use 1 dot per 100 households.

These visualization styles offer another way to explore spatial patterns but are not used to define protected populations.

Accessing the Full Dataset

For more in-depth analysis, users can download the FACT dataset and open it using GIS software. The attribute table includes:

- Raw counts and percentages for each variable
- Data available at both the **block group** and **Census tract** geographies

These resources allow planners and analysts to tailor assessments to their specific policy or project context.

Core Variables

Racial-Ethnic Minority Breakdown

This variable represents the percentage of people in a block group who identify as a part of a racial or ethnic community—this includes:

- American Indian or Alaska Native
- Asian
- Black or African American
- Native Hawaiian or Other Pacific Islander
- Some Other Race (non-white)*
- Two or More Races*
- Hispanic or Latino (of any race)

** Available in GIS dataset but not the online tool.*

To avoid double-counting, individuals who identify as Hispanic or Latino are included in the community count only once, even if they also identify as a non-white race. Block groups are shown as above or below/equal to the regional percentage of **57.74 percent** for the Racial-Ethnic Minority Breakdown.

Individuals/Households with Limited Financial Resources

This variable reflects the percentage of individuals whose household income is below 125 percent of the poverty level, as defined by the American Community Survey (ACS). This threshold, originally adopted in the 2013–2017 edition of FACT, aligns with past versions and enables comparison across time (except with editions prior to 2013–2017). Because not all individuals are assigned a poverty status in the ACS, percentages are based only on the population for whom poverty status is determined. Block groups are compared to the regional percentage of 13.80 percent.

Supplemental Layers

The following layers provide additional insight but are not all federally defined protected populations. These include:

- **Population Density** (people per square mile): Displayed in shades of gray beneath core variables—darker shades = higher density

- **Dot Density:** Each dot represents 250 individuals or 100 households for the relevant variable; dots are randomly placed within each block group
- **Race and Ethnicity Groups:**
 - Some Other Race*
 - Two or More Races*
- **Age 65 and Over**
- **Persons with Disabilities** (*available only at Census Tract level*)
- **Zero-Car Households**
- **Female Head of Household** (*households with children under 18 and no spouse present*)
- **Households without Internet Access**
- **Populations with Language Barriers (PLB):**
 - Total Population with Language Barriers
 - Spanish
 - Asian languages
 - Other Indo-European languages
 - Other languages

* Available in GIS dataset but not the online tool.

Note: “Total” racial groups include all individuals who identify with a given race, including those who also identify as Hispanic or Latino.

4. Using FACT to Inform Planning

The Fair Access in Communities Tool is designed to assist transportation practitioners in identifying where additional analysis, engagement, or mitigation strategies may be warranted. It supports the implementation of nondiscrimination principles by offering a geographic view of demographic data, helping analysts consider the presence and distribution of populations that may be affected by transportation decisions.

FACT can be particularly useful in helping agencies align with Title VI of the Civil Rights Act, which prohibits discrimination based on race, color, or national origin in federally funded programs. While individual(s) or household(s) with a LFR status is not a protected class under Title VI, LFR populations are included as a core variable in the tool to support broader planning goals.

FACT is intended to serve as a **starting point** for analysis, not a standalone decision-making tool.

Exploring Population Context and Potential Impacts

Users can explore demographic characteristics of block groups near proposed projects or planning areas to begin evaluating how transportation activities may interact with community characteristics.

Some possible applications include:

- Understanding whether a project area includes higher concentrations of Title VI-protected populations or households experiencing poverty.
- Considering the proximity of various population groups to proposed transportation changes or investments.
- Using the supplemental layers to explore the distribution of populations and their characteristics across the region, beyond just where concentrations are high.

Even block groups with lower-than-average percentages may include individuals who could experience meaningful impacts. FACT can help bring those areas into view for further consideration.

Supporting Meaningful for Access Outreach and Participation

FACT can also be used to inform where and how to conduct community outreach and engagement. This might include identifying:

- Racial-Ethnic Minority-based organizations in or near areas where populations of interest are concentrated to help build local relationships and trust.
- Language needs, by intersecting the PLB layer with planned meeting locations to guide translation or interpretation service needs.
- Meeting locations are accessible without a personal vehicle, using layers such as zero-car households.

These approaches can help ensure that outreach efforts are relevant, respectful, and accessible to the people most likely to be affected by transportation decisions.

Addressing Social Considerations in Transportation Projects

FACT can be used to screen for areas where further investigation of potential impacts on protected populations may be appropriate. For example, if a project affects an area with a concentration of Title VI-protected populations, analysts might examine:

- Whether any populations bear a greater share of environmental or community burdens such as noise, displacement, or degraded air quality.
- Whether those same populations have access to the project's benefits (e.g., improved mobility or safety).

If FACT suggests that an area may experience disproportionately high and adverse impacts, it can prompt more detailed analysis or engagement to understand those dynamics—and allow planners to identify strategies to avoid or minimize harm. This might involve rethinking a project alignment, enhancing mitigation, or identifying a preferred alternative with fewer social impacts.

By helping to visualize patterns and identify areas for further inquiry, FACT can also support:

- Comparing project alternatives
- Informing prioritization decisions
- Tracking progress toward fair access to transportation opportunities across a region

For more guidance on conducting nondiscrimination analysis, refer to:

Federal Transit Administration Title VI Circular 4702.1B (2012):

www.transit.dot.gov/sites/fta.dot.gov/files/docs/FTA_Title_VI_FINAL.pdf

Federal Highway Administration Title VI Toolkit: Data Collection and Analysis (2025):

<https://highways.dot.gov/civil-rights/programs/title-vi/title-vi-toolkit-data-collection-and-analysis>

US Department of Transportation Civil Rights Learning Center (2022):

www.transportation.gov/civil-rights/civil-rights-learning-center/learning-resources#dot-ext

Transit Cooperative Research Program, Equity Analysis in Regional Transportation Planning Processes, Volume 1: Guide (2020): <https://nap.nationalacademies.org/catalog/25860/equity-analysis-in-regional-transportation-planning-processes-volume-1-guide>

Transit Cooperative Research Program, Equity Analysis in Regional Transportation Planning Processes, Volume 2: Research Overview (2020):

<https://nap.nationalacademies.org/catalog/25886/equity-analysis-in-regional-transportation-planning-processes-volume-2-research-overview>

Limitations of the Fair Access in Communities Tool

FACT is a preliminary screening tool, not a comprehensive analysis. Areas that fall below a pre-determined threshold for the Racial-Ethnic Minority or LFR populations may still include individuals who are vulnerable to transportation impacts.

The Federal Transit Administration notes that a statistically “insignificant” total Racial-Ethnic Minority or LFR population does not eliminate the possibility of disproportionately high and adverse effects. Therefore, we discourage strict reliance on regional percentage thresholds. Instead, agencies should determine context-specific thresholds tailored to the project or study area.

Additionally:

- FACT identifies areas for further analysis; it does not definitively identify protected populations.
- The tool relies on ACS 5-Year Estimates, which are based on sample data and are subject to limitations.
- Some layers are available at the Census tract level only.
- The decennial Census does not include all variables used in FACT.

What Can and Cannot be Compared

Past and present versions use different methods.

- The current FACT methodology should not be compared to versions developed before late 2016. Earlier editions used a single aggregated score across multiple variables, which FACT no longer does.

- LFR data from editions before the 2013–2017 ACS release are also not directly comparable to current data.

Mapping Guidelines

If you're using the downloaded FACT dataset to create your own maps in GIS software, there are a few helpful practices to consider keeping your maps aligned with how FACT was designed to communicate information.

The default symbol, especially for **core variables like LFR and Racial-Ethnic Minority**, is intended to promote consistency and avoid misinterpretation. Since population density is already factored into the bivariate symbology, changing the core color schemes can make comparisons across maps or with the web tool less clear.

- **Try to maintain the original symbology for core demographic variables.** This helps ensure that users reading your map interpret the colors the way they were intended and can more easily relate them to other maps created using FACT.
- **If customizing supplemental layers**, such as vehicle access or PLB populations, consider using styles that clearly distinguish them from the core variables and remain visually intuitive.
- **Dot density layers** (available only in the download package) can be a powerful way to show the distribution of people or households, but modifying dot values (like people-per-dot) can change how the data is perceived. Adjust with caution and be sure to explain choices clearly in the legend or supporting text.

Any maps created using FACT data should include appropriate citations and attribution for the data source.

If you have questions about symbology, labeling, or would like help setting up your map, NCTCOG staff are available to assist.

Appendix

This appendix provides detailed reference information for users working with the downloaded FACT dataset or seeking a deeper understanding of the variables and calculations behind the tool. It combines source documentation with practical guidance on interpreting and applying the data.

The first section of the appendix outlines the data sources and methodology used to generate the core and supplemental variables available in FACT. This includes the relevant American Community Survey tables, as well as an explanation of how regional percentages are calculated for comparison with block group-level data.

The second section presents a data dictionary listing every field included in the GIS attribute table. Each entry includes the field name, user-friendly alias, and a brief description of its contents. This dictionary is designed to support both technical and non-technical users in navigating the data and understanding how each variable contributes to demographic screening and nondiscrimination analysis.

Together, these reference materials are intended to support transparent, well-informed use of FACT data in both mapping and analysis.

Data Sources and Calculation Methodology

Population Characteristic	Data Source (ACS 5-Year Estimates)
Age 65 and Over	SF Table B01001
Asian PLB	SF Table B16004
LFR/Below Poverty	SF Table C17002
Female Head of Household	SF Table B11005
Indo-European PLB	SF Table B16004
Other PLB	SF Table B16004
Persons with Disabilities	SF Table B18101
Spanish PLB	SF Table B16004
Total American Indian or Alaska Native	SF Table B03002
Total Asian	SF Table B03002
Total Black or African American	SF Table B03002
Total Native Hawaiian or Other Pacific Islander	SF Table B03002
Total Hispanic or Latino	SF Table B03002
Total PLB	SF Table B16004
Total Racial-Ethnic Minority	SF Table B16004
Total Two Races	SF Table B03002
Total Some Other Race	SF Table B03002
White Alone	SF Table B03002
Zero Car Households	SF Table B25044
Households With No Internet Access at Home	SF Table B28011

Calculating the Ratio to Regional Percentage

Each variable includes a calculated **ratio** that compares a block group's percentage to the regional percentage. This helps identify block groups with substantially higher or lower concentrations of a specific population.

Example:

A block group in Dallas County has 27.78 percent of its population age 65 or older. The regional percentage for this age group is 12.31 percent.

$$\text{Ratio} = 27.78 \div 12.31 = 2.26$$

This indicates the block group has more than twice the regional average of older adults.

Data Dictionary and Field Descriptions

Alias Field	GIS Non-Alias Field	Description
GEOID20	Same as Alias	A unique set of 12 numbers that identify a Census block group.
County	Same as Alias	The county in which the block group is located.
Total Population	TotalPop	The total number of people, male and female, child, and adult, living in a geographic area.
Total Population Age 65 and Over	Age65Over	Any individual aged 65 and older.
Percent Age 65 and Over	Pct65_Over	The share of the population that is 65 years of age or older.
Ratio Age 65 and Over to Regional Percentage	Rat_65Over	A block group's relation to the regional percentage with 1 equaling the regional percentage. Block groups with a value greater than 1 are above the regional percentage. Block groups with a value less than 1 are below the regional percentage.
Total Asian PLB Population	AsianLFR	Individuals age 5 years and older who speak an Asian or Pacific Island language as their primary language and who reported that their ability to read, speak, write, or understand English is less than "very well."
Percent Total Asian PLB	Pct_AsnLFR	The share of the population age 5 years and older who speak an Asian or Pacific Island language as their primary language and who reported that their ability to read, speak, write, or understand English is less than "very well."
Ratio Total Asian PLB to Regional Percentage	Rat_AsnPLB	A block group's relation to the regional percentage with 1 equaling the regional percentage. Block groups with a value greater than 1 are above the regional percentage. Block groups with a value less than 1 are below the regional percentage.
Total Households	TotalHH	Includes all housing units that are occupied as a primary residence.
Total Female Head of Households	TotalFHH	Includes any household with children under 18 years of age and with no spouse present.
Percent Female Head of Households	Pct_TotFHH	The share of total households with children under 18 years of age and no spouse present.

Alias Field	GIS Non-Alias Field	Description
Ratio Female Head of Households to Regional Percentage	Rat_TotFHH	A block group's relation to the regional percentage with 1 equaling the regional percentage. Block groups with a value greater than 1 are above the regional percentage. Block groups with a value less than 1 are below the regional percentage.
Total Indo-European PLB Population	IELFR	Individuals age 5 years and older who speak an Indo-European language other than Spanish as their primary language and who reported that their ability to read, speak, write, or understand English is less than "very well."
Percent Total Indo-European PLB	Pct_IE_LFR	The share of the population age 5 years and older who speak an Indo-European language other than Spanish as their primary language and who reported that their ability to read, speak, write, or understand English is less than "very well."
Ratio Indo-European PLB to Regional Percentage	Rat_IE_LFR	A block group's relation to the regional percentage with 1 equaling the regional percentage. Block groups with a value greater than 1 are above the regional percentage. Block groups with a value less than 1 are below the regional percentage.
Total Other PLB Population	OtherLFR	Individuals age 5 years and older who speak a language other than English, Spanish, Indo-European, Asian, or Pacific Island as their primary language and who reported that their ability to read, speak, write, or understand English is less than "very well."
Percent Total Other PLB	Pct_OthLFR	The share of the population age 5 years and older who speak a language other than English, Spanish, Indo-European, Asian, or Pacific Island as their primary language and who reported that their ability to read, speak, write, or understand English is less than "very well."
Ratio Total Other PLB to Regional Percentage	Rat_OthLFR	A block group's relation to the regional percentage with 1 equaling the regional percentage. Block groups with a value greater than 1 are above the regional percentage. Block groups with a value less than 1 are below the regional percentage.
Total Spanish PLB Population	SpanishLFR	Individuals age 5 years and older who speak Spanish as their primary language and who reported that their ability to read, speak, write, or understand English is less than "very well."
Percent Spanish PLB	Pct_SpLFR	The share of the population age 5 years and older who speak Spanish as their primary language and who reported that their ability to read, speak, write, or understand English is less than "very well."
Ratio Total Spanish PLB to Regional Percentage	Rat_SpLFR	A block group's relation to the regional percentage with 1 equaling the regional percentage. Block groups with a value greater than 1 are above the regional percentage. Block groups with a value less than 1 are below the regional percentage.
Total American Indian or Alaska Native Population	TotAI	Includes individuals who identify their race as American Indian or Alaska Native and individuals who identify their race as American Indian or Alaska Native and their ethnicity as Hispanic or Latino.

Alias Field	GIS Non-Alias Field	Description
Percent Total American Indian or Alaska Native	Pct_TotAI	The share of the population who identify their race as American Indian or Alaska Native and individuals who identify their race as American Indian Alaskan Native and their ethnicity as Hispanic or Latino.
Ratio Total American Indian or Alaska Native to Regional Percentage	Rat_TotAI	A block group's relation to the regional percentage with 1 equaling the regional percentage. Block groups with a value greater than 1 are above the regional percentage. Block groups with a value less than 1 are below the regional percentage.
Total Asian Population	TotAsian	Includes individuals who identify as having origins in any of the original people of the Far East, Southeast Asia, or the Indian subcontinent and individuals who identify their race as Asian and their ethnicity as Hispanic or Latino.
Percent Total Asian	Pct_TotAsn	The share of the population who identify as having origins in any of the original people of the Far East, Southeast Asia, or the Indian subcontinent and individuals who identify their race as Asian and identify their ethnicity as Hispanic or Latino.
Ratio Total Asian to Regional Percentage	Rat_TotAsn	A block group's relation to the regional percentage with 1 equaling the regional percentage. Block groups with a value greater than 1 are above the regional percentage. Block groups with a value less than 1 are below the regional percentage.
Total Black or African American Population	TotBlk	Includes individuals who identify their race as Black or African American and individuals who identify their race as Black or African American and identify their ethnicity as Hispanic or Latino.
Percent Total Black or African American Population	Pct_TotBlk	The share of the population who identify their race as Black or African American and who identify their race as Black or African American and identify their ethnicity as Hispanic or Latino.
Ratio Total Black Population to Regional Percentage	Rat_TotBlk	A block group's relation to the regional percentage with 1 equaling the regional percentage. Block groups with a value greater than 1 are above the regional percentage. Block groups with a value less than 1 are below the regional percentage.
Total Native Hawaiian or Other Pacific Islander Population	Tot_HPI	Includes individuals who identify as having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands and individuals who identify their race as Native Hawaiian or Other Pacific Islander and identify their ethnicity as Hispanic or Latino.
Percent Total Native Hawaiian or Other Pacific Islander	Pct_TotHPI	The share of the population who identify as having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands and individuals who identify their race as Native Hawaiian or Other Pacific Islander and identify their ethnicity as Hispanic or Latino.
Ratio Native Hawaiian or Other Pacific Islander to Regional Percentage	Rat_TotHPI	A block group's relation to the regional percentage with 1 equaling the regional percentage. Block groups with a value greater than 1 are above the regional percentage. Block groups with a value less than 1 are below the regional percentage.

Alias Field	GIS Non-Alias Field	Description
Total Hispanic or Latino Population	Hispanic	Includes individuals who identify their ethnicity as belonging to Mexican; Puerto Rican; Cuban; Dominican; Salvadoran; Guatemalan; Argentinean; Colombian; Spaniard; or other Hispanic, Latino, or Spanish cultures or origins, regardless of race.
Percent Total Hispanic or Latino	Pct_Hisp	The share of the population who identify their ethnicity as belonging to Mexican; Puerto Rican; Cuban; Dominican; Salvadoran; Guatemalan; Argentinean; Colombian; Spaniard; or other Hispanic, Latino, or Spanish cultures or origins, regardless of race.
Ratio Total Hispanic or Latino to Regional Percentage	Rat_Hisp	A block group's relation to the regional percentage with 1 equaling the regional percentage. Block groups with a value greater than 1 are above the regional percentage. Block groups with a value less than 1 are below the regional percentage.
Total Population 5 Years and Over	PopOver5	The total population of individuals age 5 years and older.
Total PLB Population	TotalLEP	Individuals age 5 years and older who do not speak English as their primary language and who reported that their ability to read, speak, write, or understand English is less than "very well."
Percent Total PLB	Pct_TotLEP	The share of the population age 5 years and older who do not speak English as their primary language and who reported that their ability to read, speak, write, or understand English is less than "very well."
Ratio Total PLB to Regional Percentage	Rat_TotLEP	A block group's relation to the regional percentage with 1 equaling the regional percentage. Block groups with a value greater than 1 are above the regional percentage. Block groups with a value less than 1 are below the regional percentage.
Total Some Other Race Population	TotOther	Includes individuals who identify themselves as a race other than White, Black or African American, American Indian or Alaska Native, Asian, or Native Hawaiian or Other Pacific Islander. Respondents reporting entries such as multiracial, mixed, interracial, or a Hispanic or Latino group (for example, Mexican, Puerto Rican, Cuban, or Spanish) in response to the race question are included in this category.
Percent Some Other Race	Pct_TotOth	The share of the population who identify their race as Some Other Race or who reported their race as multiracial, mixed, interracial, or a Hispanic or Latino group (for example, Mexican, Puerto Rican, Cuban, or Spanish).
Ratio Total Some Other Race to Regional Percentage	Rat_TotOth	A block group's relation to the regional percentage with 1 equaling the regional percentage. Block groups with a value greater than 1 are above the regional percentage. Block groups with value less than 1 are below the regional percentage.

Alias Field	GIS Non-Alias Field	Description
Total Two Races Population	Tot2Race	Includes individuals who identify their race as Two or More Races, including individuals who identified one of their races as Some Other Race. This category also includes individuals who identify their race as Two or More Races and individuals who identify their race as Two or More Races and their ethnicity as Hispanic or Latino.
Percent Total Two Races	Pct_Tot2Ra	The share of the population who identify their race as Two or More Races, including individuals who identified one of their races as Some Other Race. This category also includes individuals who identify their race as Two or More Races and identify their ethnicity as Hispanic or Latino.
Ratio Total Two Races to Regional Percentage	Rat_Tot2Ra	A block group's relation to the regional percentage with 1 equaling the regional percentage. Block groups with a value greater than 1 are above the regional percentage. Block groups with a value less than 1 are below the regional percentage.
Total Racial-Ethnic Minority Population	TotalMIN	Includes individuals who identify their race as any race other than white, or who identify their ethnicity as Hispanic or Latino.
Percent Total Racial-Ethnic Minority Population	Pct_TotMIN	The share of the population who identify their race as any race other than white, or who identify their ethnicity as Hispanic or Latino.
Ratio Racial-Ethnic Minority to Regional Percentage	Rat_TotMIN	A block group's relation to the regional percentage with 1 equaling the regional percentage. Block groups with a value greater than 1 are above the regional percentage. Block groups with a value less than 1 are below the regional percentage.
Individuals for Whom Poverty Status in Known	TotPSK	The total number of individuals for whom poverty status was surveyed.
Total Below Poverty Population	BlwPov	Includes individuals whose household income in the past 12 months was below 125 percent of the US Census poverty threshold. This is inclusive of individuals whose household income in the past 12 months was below the US Department of Health and Human Services poverty threshold.
Percent Below Poverty	Pct_BlwPov	The share of the population whose household income in the past 12 months was below 125 percent of the US Census poverty threshold. This is inclusive of the share of the population whose household income in the past 12 months was below the US Department of Health and Human Services poverty threshold.
Ratio Below Poverty to Regional Percentage	Rat_BlwPov	A block group's relation to the regional percentage with 1 equaling the regional percentage. Block groups with a value greater than 1 are above the regional percentage. Block groups with a value less than 1 are below the regional percentage.
Zero Car Households	NoCar	The number of housing units that have no vehicle available.
Percent Zero Car Households	Pct_NoCar	The share of total housing units that have no vehicle available.

Alias Field	GIS Non-Alias Field	Description
Ratio Zero Car Households to Regional Percentage	Rat_NoCar	A block group's relation to the regional percentage with 1 equaling the regional percentage. Block groups with a value greater than 1 are above the regional percentage. Block groups with a value less than 1 are below the regional percentage.
Households With No Internet Access at Home	NoInt	The number of housing units that have no internet access at home
Percent Households With No Internet Access at Home	Pct_NoInt	The share of total housing units that have no internet access at home
Ratio Households With No Internet Access to Regional Percentage	Rat_NoInt	A block group's relation to the regional percentage with 1 equaling the regional percentage. Block groups with a value greater than 1 are above the regional percentage. Block groups with a value less than 1 are below the regional percentage.
Persons with Disabilities	Sum_PWD	Any civilian, non-institutionalized individual with at least one disability that may limit the individual's ability to care for himself or herself.
Percent Persons with Disabilities	RegPct_PWD	The share of civilian, non-institutionalized individuals with at least one disability that may limit the individual's ability to care for himself or herself.
Ratio Persons with Disabilities to Regional Percentage	Ratio_PWD	A Census tract's relation to the regional percentage with 1 equaling the regional percentage. Census tracts with a value greater than 1 are above the regional percentage. Census tracts with a value less than 1 are below the regional percentage.
Population Density	ACS_PopDen	The number of people per square mile of land area in a block group, as reported in the 2020-2024 American Community Survey 5-Year Estimates.