

LCBP Disadvantage Community Definition – Datasets and Technical Documentation

This document briefly describes the datasets used in LCBP’s definition of disadvantaged community and accompanying mapping tool. More information on any given data set is available from its respective source, as identified below. Many datasets used in LCBP’s definition are from the [American Community Survey](#) (ACS).

Estimated Prevalence of Cancer

- Data are from the Centers for Disease Control (CDC) [PLACES: Local Data for Better Health, Census Tract Data 2022 release](#).

Area Median Income

- Defined as the percentage of households earning less than 80% of the area median income.
- Data downloaded: US Department of Housing and Urban Development [Comprehensive Affordability Strategy](#) Area Median Income dataset.

High School Degree Non-Attainment

- Defined as the percentage of individuals over age 25 in a census block group who have not earned a high-school degree or equivalent.
- Data downloaded: ACS 2020 5-year estimate detailed table “B15003: Educational Attainment for the Population 25 Years and Over”
- Processing: The number of reports between “no schooling completed” and “12th grade, no diploma” were summed, divided by the number of people over age 25 (in same dataset), and multiplied by 100 to calculate the percentage of people over the age of 25 with no high school diploma.

Housing Cost Burden

- Housing cost burden is captured by 2 separate ACS datasets, one for owner-occupied units and the other for renter-occupied units. Both datasets include the cost of housing (mortgage or rent) as well as other housing related-expenses, including insurance and utilities.
- Data downloaded:
 - ACS 2020 5-year estimate detailed table “B25092: Median Selected Monthly Owner Costs as a Percentage of Household Income in the Past 12 Months”. The total column (Median selected monthly owner costs as a percentage of household income in the past 12 months) was used, which considers houses with and without mortgages.
 - ACS 2020 5-year estimate detailed table “B25071 Median Gross Rent as a Percentage of Household Income in the Past 12 Months (Dollars)”

Lack of Access to Indoor Plumbing

- Data downloaded: ACS 2020 5-year estimate detailed table “B25047: Plumbing Facilities for All Housing Units”

- Processing: The number of households with incomplete plumbing were divided by the total number of houses, then multiplied by 100.

Linguistic Isolation/Limited English Proficiency

- Data downloaded: ASC 2020 5-year estimate detailed table “C16002: Household Language by Household Limited English Speaking Status”
- Processing: The number of households with limited English proficiency by language group were summed for each census block group, divided by the number of households in that census block (same dataset), and multiplied by 100.

Poverty Rate

- Defined as the percentage of households in a census block group whose income is <200% of the federal poverty limit.
- Data downloaded: ACS 2020 5-year estimate detailed table “C17002 Ratio of Income to Poverty Level in the Past 12 Months”
- Processing: The number of households in a census block group with income <200% of the federal poverty level were summed and divided by the number of households in that census block group for whom there are data, then multiplied by 100.

Prevalence of mobile/manufactured homes

- Defined as the percentage of houses in a census block group that are identified as mobile or manufactured homes.
- Data downloaded: ACS 2020 5-year estimate detailed table “B25024 Units in Structure”
- Processing: The number of houses in a census block group that are identified as a mobile home divided by the number of houses in that census block group (same dataset) then multiplied by 100.

Unemployment

- Defined as the percentage of individuals aged 16+ who are classified as unemployed.
- Data downloaded: ACS 2020 5-year estimate detailed table “B23025 Employment Status for the Population 16 Years and Over”
- Processing: The number of individuals in each census block who are categorized as unemployed were divided by the total number of individuals in the labor force in that census block, then multiplied by 100.