

COVID-19 LA County Priority Places Index Report Detailed Methodology

The formula for the composite index is:

$$\frac{(C*2)+F+[(B+L+N)/3]}{4}$$

Variable	Description
C	Percentile score for average weekly percent change in COVID-19 case rate
F	Percentile score for percent of population living under 200% of the Federal Poverty Level
B	Percentile score for percent Black individuals in the population
L	Percentile score for percent Latinx individuals in the population
N	Percentile score for percent Native Hawaiian/Pacific Islander individuals in the population

Percentile score for average weekly percent change in COVID-19 case rate

We calculate the weekly COVID-19 cumulative case rate per 100,000 (crude rate) in each place between April 6th, 2020 and March 21st, 2021. For each place, we then calculate the week-to-week percent change in crude case rate and average these changes across weeks. Places are assigned a percentile score, based on how they rank from highest to lowest average weekly percent change in case rate. We use average week-to-week change to smooth any potential 1-day spikes and to capture places that, on average, had a higher upward trajectory in cases when compared to places that had a single surge between weeks.

Percentile score for percent of population living under 200% of the Federal Poverty Level

We calculate the percent of population in each place living under 200% of the Federal Poverty Level. Places are assigned a percentile score, based on how they rank from highest to lowest on the poverty level.

Average race percentile score

We calculate the percent of population in each place who are Latinx, Black, or Native Hawaiian/Pacific Islander (NHPI) residents as three different race indicators. Places are assigned a percentile score, based on how they rank from highest to lowest for each race indicator. For each place, we average the Black, Latinx, and NHPI percentile scores to create an average race percentile score. Note that all racial categories are exclusive of Latinx individuals, except for the Latinx category.

Data Dictionary

Bolded indicators below are included in the index calculation.

Indicator	Description
Rank	Community's ranking from highest to lowest impact, based on RACE COUNTS' index
Index Percentile	Community's percentile score based on the composite index. Communities within the top

	20th percentile (>80th percentile) are considered in our Top 30 methodology.
Index Score	Community's composite score across all 3 factors in the index. Indicators included in the index calculation are <i>Case Rate Average Weekly Change Percentile Score</i> , <i>200% FPL Percentile Score</i> , and <i>Race Percentile Composite Score</i> .
Place Name	Name of city or community, which corresponds to the LA County statistical areas.
Population	Total population.
Average Cases Per 100,00 in Past Week	Average number of cumulative COVID-19 cases per 100,000 (crude rate) during the week of March 15 th – March 21 st , 2021.
Average Cases in Past Week	Average number of cumulative COVID-19 cases during the week of March 15 th – March 21 st , 2021.
Case Rate Average Weekly Change Percentile Score	Community's percentile score for average weekly percent change in case rate from the baseline (April 6 – 12, 2020) to the most recent full week of data (March 15 – 21, 2021).
200% FPL Percentile Score	Community's percentile score for percent of residents living under 200% of the Federal Poverty Level.
Race Percentile Composite Score	Average race percentile score, based on the community's percentiles for Latinx, Black, and Native Hawaiian/Pacific Islander residents.
Percent Latinx Percentile	Community's percentile score for percent of Latinx residents.
Percent Black Percentile	Community's percentile score for percent of Black, non-Latinx residents.
Percent NHPI Percentile	Community's percentile score for percent of Native Hawaiian/Pacific Islander, non-Latinx residents.
Percent While Percentile	Community's percentile score for percent of White, non-Latinx residents.
Percent AIAN Percentile	Community's percentile score for percent of American Indian/Alaskan Native, non-Latinx residents.
Percent Asian Percentile	Community's percentile score for percent of Asian, non-Latinx residents.
Case Rate Average Weekly Percent Change Estimate (%)	Average weekly percent change in cumulative COVID-19 case rate per 100,000 (crude rate).
Below 200% FPL Estimate (%)	Percent of residents living under 200% of the Federal Poverty Level.
Percent Latinx Estimate (%)	Percent of Latinx residents in the community.
Percent Black Estimate (%)	Percent of Black, non-Latinx residents in the community.

Percent NHPI Estimate (%)	Percent of Native Hawaiian/Pacific Islander, non-Latinx residents in the community.
Percent White Estimate (%)	Percent of White, non-Latinx residents in the community.
Percent AIAN Estimate (%)	Percent of American Indian/Alaskan Native, non-Latinx residents in the community.
Percent ASIAN Estimate (%)	Percent of Asian, non-Latinx residents in the community.