

RACE COUNTS: Indicator Methodology

Data Refresh (2022)

Table of Contents

Economic Opportunity

- Employment
- Per Capita Income
- Cost-of-Living Adjusted Poverty
- Connected Youth
- Officials and Managers
- Internet Access
- Living Wage

Health Care Access

- Life Expectancy
- Health Insurance
- Preventable Hospitalizations
- Low Birthweight
- Usual Source of Care
- Got Help

Education

- High School Graduation
- English Proficiency
- Math Proficiency
- Suspensions
- Early Childhood Education Access
- Diversity of Teachers
- Chronic Absenteeism

Housing

- Subprime Mortgage Loans
- Denied Mortgage Applications

- Housing Quality
- Housing Cost Burden (Renter)
- Housing Cost Burden (Owner)
- Foreclosure
- Eviction
- Overcrowded Housing
- Homeownership
- Student Homelessness

Democracy

- Diversity of Elected Officials
- Diversity of Candidates
- Voting in Presidential Elections
- Voting in Midterm Elections
- Registered Voters
- Census Participation

Crime and Justice

- Arrests for Status Offenses
- Use of Force
- Incarceration
- Perception of Safety

Healthy Built Environment

- Drinking Water Contaminants
- Food Access
- Proximity to Hazards
- Toxic Releases
- Asthma
- Lack of Greenspace

A note on Racial/Ethnic Categories: Race is a social construct and a biological construct, neither of which are discussed in depth in this analysis. Thus, we use a simplified view of race to portray racial data to a broader audience. Ethnicity is also treated lightly, and while Latinx is an ethnicity, it is generally treated and spoken about as a race, even though Latinxs can be of any race. Additionally, each data source uses slightly different terminology and categorization. Considering all these factors, we use one simplified set of terms for the Race Counts website and publications for consistency while maintaining fidelity to the data sources as much as possible.

Economic Opportunity

Employment

Indicator: Employment to Population Rate (%)

Persons employed as a percentage of total population age 16 to 64. This category includes all civilians 16 years old and over who either (1) were “at work,” that is, those who did any work at all during the reference week as paid employees, worked in their own business or profession, worked on their own farm, or worked 15 hours or more as unpaid workers on a family farm or in a family business; or (2) were “with a job but not at work,” that is, those who did not work during the reference week but had jobs or businesses from which they were temporarily absent due to illness, bad weather, industrial dispute, vacation, or other personal reasons. Excluded from the employed are people whose only activity consisted of work around the house or unpaid volunteer work for religious, charitable, and similar organizations; also excluded are all institutionalized people and people on active duty in the United States Armed Forces.

Values with low reliability were excluded based on the coefficient of variation. In addition, *populations below 150* were screened out to remove outlier impacts. Index of Disparity calculated using the best (highest) rate.

Source: American Community Survey 5-Year Estimates, Table S2301

Year: 2016-2020

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

Racial/Ethnic Categories:

White alone; Black or African American alone, Hispanic or Latinx, Asian alone, Native Hawaiian and Other Pacific Islander alone, American Indian and Alaska Native alone, Other Race alone, Two or More Races. White category excludes Latinxs.

Per Capita Income

Indicator: Per Capita Income (\$)

Income in the past twelve months per person, regardless of age or employment status. Values with low reliability, defined as a coefficient of variation greater than or equal to 30, were excluded.

Index of Disparity calculated using the best (highest) rate.

Source: American Community Survey 5-Year Estimates, Tables B19301B-I

Year: 2016-2020

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

Racial/Ethnic Categories:

White alone; Black or African American alone, Hispanic or Latinx, Asian alone, Native Hawaiian and Other Pacific Islander alone, American Indian and Alaska Native alone, Other Race alone, Two or More Races. White category excludes Latinxs.

Cost-of-Living Adjusted Poverty

Indicator: Households Earning above Cost-of-Living Adjusted Poverty (%)

The real cost measure of poverty accounts for local costs of living, including the costs of housing, food, health care, child care, transportation, and other basic needs. Cost-of-Living Adjusted poverty (COLA) is a more accurate measure of financial security than the federal poverty measure. For information on methodology, please visit: <http://www.unitedwaysca.org/images/realcostmeasure2019/The-Real-Cost-Measure-in-California-2019-Methodology.pdf>.

Index of Disparity calculated using the best (highest) rate.

Source: United Ways of California

Year: 2021

Link: <https://www.unitedwaysca.org/realcost>

Racial/Ethnic Categories:

White; Black or African American, Hispanic or Latinx, Asian or Native Hawaiian and Other Pacific Islander, Native American/Alaska Native (state-level only), Non-Latinx Other Races (state-level only).

Connected Youth

Indicator: Youth in School and/or Employed (%)

Connected youth refers to the percentage of youth ages 16-24, who are currently in school and/or employed. Catalyst California excluded data for groups with *fewer than 400 youth* and values with low reliability based on the coefficient of variation, one of the Census Bureau's statistical quality standard measures. Low reliability here refers to values with coefficients of variation over 20%. In addition, Catalyst California included data for PUMAs that meet at least one of the following criteria: PUMAs that are contained by one county alone or PUMAs with at least 60% of their area contained by one county. State-level estimates also exclude some counties because no data is reported for them.

Index of Disparity calculated using the best (highest) rate.

Source: American Community Survey 5-Year PUMS Estimates

Year: 2016-2020

Link: <https://www.census.gov/programs-surveys/acs/technical-documentation/pums/about.html>

Racial/Ethnic Categories:

Latinx, White alone, Black or African American alone, Asian alone, Other Race alone, American Indian and Alaska Native alone or in combination with another race, Native Hawaiian and Other Pacific Islander alone or in combination with another race, and Two or More Races. White, Black or African American, Asian, Other Race, and Two or More Races exclude Latinxs.

Officials and Managers

Indicator: Employment as Officials or Managers per 1k Persons

People ages 18-64 who are in the labor force and employed as officials or managers as a percentage of all people ages 18-64 who are in the labor force. Officials and managers workers with the 2018 Standard Occupation Classification code of Manager (SOC = 11...). Catalyst California excluded data for groups with *fewer than 400 people* and values with low reliability based on the coefficient of variation, one of the Census Bureau's statistical quality standard measures. Low reliability here refers to values with coefficients of variation over 20% per <https://www.esri.com/library/whitepapers/pdfs/the-american-community-survey.pdf>. In addition, Catalyst California included data for PUMAs that meet at least one of the following criteria: PUMAs that are contained by one county alone or PUMAs with at least 60% of their area contained by one county. State-level estimates also exclude some counties because no data is reported for them.

Index of Disparity was calculated using the best (highest) rate.

Source: American Community Survey 5-Year PUMS Estimates

Year: 2016-2020

Link: <https://www.census.gov/programs-surveys/acs/technical-documentation/pums/about.html>

Racial/Ethnic Categories:

Latinx, White alone, Black or African American alone, Asian alone, Other Race alone, American Indian and Alaska Native alone or in combination with another race, Native Hawaiian and Other Pacific Islander alone or in combination with another race, and Two or More Races. White, Black or African American, Asian, Other Race, and Two or More Races exclude Latinxs.

Internet Access

Indicator: Persons with Internet Access (%)

Persons in households who owned or used a computer and accessed the Internet through a service such as a data plan for a mobile phone, a cable modem, DSL, or other type of service. Values with low reliability were excluded based on the coefficient of variation. In addition, *populations below 30* were screened out to remove outlier impacts.

Index of Disparity calculated using the best (highest) rate.

Source: American Community Survey 5-Year Estimates, Table S2802

Year: 2016-2020

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

Racial/Ethnic Categories:

White alone, Black or African American alone, Hispanic or Latinx, Asian alone, Native Hawaiian and Other Pacific Islander alone, American Indian and Alaska Native alone, Other Race alone, Two or More Races. White category excludes Latinxs.

Living Wage

Indicator: Workers Earning a Living Wage (%)

People ages 18-64 who are in the labor force and who earn \$15.50 or more per hour as a percentage of all people ages 18-64 who are in the labor force. Values with low reliability were excluded based on the coefficient of variation. In addition, *populations below 400* were screened out to remove outlier impacts. Catalyst California included data for PUMAs that meet at least one of the following criteria: PUMAs that are contained by one county alone or PUMAs with at least 60% of their area contained by one county. State-level estimates also exclude some counties because no data is reported for them.

Index of Disparity calculated using the best (highest) rate. This indicator is not included in the Economic Opportunity or Composite Indexes.

Source: American Community Survey 5-Year PUMS Estimates

Year: 2016-2020

Link: <https://www.census.gov/programs-surveys/acs/technical-documentation/pums/about.html>

Racial/Ethnic Categories:

Latinx, White alone, Black or African American alone, Asian alone, Other Race alone, American Indian and Alaska Native alone or in combination with another race, Native Hawaiian and Other Pacific Islander alone or in combination with another race, and Two or More Races. White, Black or African American, Asian, Other Race, and Two or More Races exclude Latinxs.

Health Care Access

Life Expectancy

Indicator: Life Expectancy in Years

The number of years a baby can be expected to live if they experience current age-specific mortality rates throughout their life. Catalyst California excluded values with low reliability based on the confidence interval values.

Index of Disparity calculated using the best (longest) life expectancy.

Source: Robert Wood Johnson Foundation, County Health Rankings

Year: 2018-2020

Link: <https://www.countyhealthrankings.org/explore-health-rankings>

Racial/Ethnic Categories:

White, Black, American Indian, Asian, Latinx. White category excludes Latinxs.

Health Insurance

Indicator: Uninsured Population

Percentage of the civilian noninstitutionalized population without health insurance. Catalyst California screened out racial groups with civilian non-institutionalized populations of *fewer than 130 persons* to make sure that a small number did not lead to general conclusions about a racial group in a county or across the state.

Catalyst California also excluded values with low reliability based on the coefficient of variation, one of the Census Bureau's statistical quality standard measures. Low reliability here refers to values with coefficients of variation over 40% per <https://www.esri.com/library/whitepapers/pdfs/the-american-community-survey.pdf>.

Index of Disparity calculated using the best (lowest), non-zero rate, because ID cannot be calculated based on a rate of zero.

Source: American Community Survey 5-Year Estimates, Table S2701

Year: 2016-2020

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

Racial/Ethnic Categories:

White alone, Black or African American alone, American Indian and Alaska Native alone, Asian alone, Native Hawaiian and Other Pacific Islander alone, Other Race alone, Two or More Races, Hispanic or Latinx. White category excludes Latinxs.

Preventable Hospitalizations

Indicator: Preventable Hospitalizations per 100k Persons

The chronic composite of preventable hospitalizations (prevention quality indicator #92) includes Diabetes Short-Term, Diabetes Long-Term, COPD or Asthma in Adults Age 40+, Hypertension, Heart Failure, Uncontrolled Diabetes, Asthma in Adults Age 18-39, and Lower-Extremity Amputations among Patients with Diabetes.

The data source screened out racial groups with fewer than eleven hospital discharges to ensure privacy. We screened out racial groups with *fewer than 800 people* so small numbers did not lead to general conclusions about a racial group in a county or across the state.

Index of Disparity calculated using the best (lowest), non-zero rate, because ID cannot be calculated based on a rate of zero.

Source: Office of Statewide Health Planning and Development

Year: 2017-2019

Link: <http://www.oshpd.ca.gov/>

Racial/Ethnic Categories:

Asian/Pacific Islander, Black, Hispanic or Latinx, Native American, Other Race, White. All Racial/Ethnic categories exclude Latinxs, except for the Latinx category.

Low Birthweight

Indicator: Low Birthweight Births (%)

Percentage of infants born at low birthweight (less than 2,500 grams or about 5 lbs, 8 oz) of all live births, by race/ethnicity of mother. Estimates for racial groups with *fewer than 10 births* and for areas with *fewer than 100,000 people* were excluded by the data source to protect privacy.

Index of Disparity calculated using the best (lowest), non-zero rate, because ID cannot be calculated based on a rate of zero.

Source: US Department of Health and Human Services, Centers for Disease Control and Prevention (CDC), National Center for Health Statistics, Division of Vital Statistics, CDC WONDER Online Database

Year: 2016-2020

Link: <https://wonder.cdc.gov/natality-expanded-current.html>

Racial/Ethnic Categories:

African American/Black, American Indian/Alaska Native, Asian, Native Hawaiian and Other Pacific Islander, Hispanic or Latina, White, Two or More Races. White, Asian, African American/Black, and Two or More Races exclude Latinas.

Usual Source of Care

Indicator: Population with Usual Source of Care (%)

Percentage of Population whose Usual Source of Care is doctor's office, HMO, Kaiser, community or government clinic, or hospital clinic. Respondents were asked: "What kind of place do you go to most often - a medical/Is your doctor in a {private} doctor's office, a clinic or hospital clinic, an emergency room, or some other place?" Corresponding source variable(s): USUAL5TP.

Catalyst California excluded values where a CHIS 95% confidence interval denoted that an estimate was statistically unstable. Index of Disparity calculated using the best (highest) rate.

Source: California Health Interview Survey

Year: 2011-2020

Link: <http://ask.chis.ucla.edu/>

Racial/Ethnic Categories:

Latinx, White alone, African American or Black alone, Asian alone, American Indian/Alaska Native alone or in combination with another race, Native Hawaiian/Pacific Islander alone or in combination with another race, Two or More Races. White, African American or Black, Asian, and Two or More Races exclude Latinx.

Got Help

Indicator: Adults who Got Help for Mental/Emotional or Alcohol/Drug Issues

Percentage of adults seeking and receiving treatment for self-identified mental/emotional or alcohol/drug issues in the past year. Respondents were asked "Was there ever a time during the past 12 months when you felt that you might need to see a professional because of problems with your mental health emotions or nerves or your use of alcohol or drugs?" and "In the past 12 months have you seen your primary care physician or any other professional, such as a counselor, psychiatrist, or social worker for problems with your mental health, emotions, nerves or your use of alcohol or drugs?" Corresponding source variables: AF74, AF75, AF81.

Catalyst California excluded values where a CHIS 95% confidence interval denoted that an estimate was statistically unstable. Index of Disparity calculated using the best (highest) rate.

Source: California Health Interview Survey

Year: 2011-2020

Link: <http://ask.chis.ucla.edu/>

Racial/Ethnic Categories:

Latinx, White alone, African American or Black alone, Asian alone, American Indian/Alaska Native alone or in combination with another race, Native Hawaiian/Pacific Islander alone or in combination with another race, Two or More Races. White, African American or Black, Asian, and Two or More Races exclude Latinx.

Education

High School Graduation

Indicator: High School Graduation (%)

Graduates are students who graduate with either a traditional high school diploma, an adult education high school diploma, or have passed the California High School Proficiency Exam. The four-year adjusted cohort is the group of students that could potentially graduate, adjusted for students who transfer into or out of the cohort during the four-year period.

Beginning in 2016-17, The California Department of Education (CDE) made several important changes to their methodology. The most significant changes to the methodology include the following:

- No longer removing students from the cohort who transfer to adult education programs or community college.
- No longer counting students who receive an adult education high school diploma as regular high school graduates.
- No longer counting students who pass the California High School Proficiency Exam (CHSPE) as regular high school graduates.

Graduation rates based on *fewer than 20 cohort graduating students* were excluded to remove extremely high or low percentages based on small populations. The California Department of Education excludes raw numbers where there are ten or fewer cohort students, but still provides graduation rates in these cases. Index of Disparity calculated using best (highest) graduation rate. We excluded figures for Not Reported in our calculations.

Source: California Department of Education

Year: 2020-21

Link: <https://www.cde.ca.gov/ds/ad/filesacgr.asp> (County);

<https://www.cde.ca.gov/ta/ac/cm/datafiles2020.asp> (State)

Racial/Ethnic Categories:

Hispanic or Latinx, American Indian or Alaska Native, Asian, Pacific Islander, Filipinx, African American, White, Two or More Races, Not reported. All Racial/Ethnic Categories exclude Latinxs, except for the Latinx category.

English Proficiency

Indicator: 3rd Graders Scoring Proficient or Better in English Language Arts (%)

Students scoring proficient or advanced on the third grade English Language Arts/Literacy (Smarter Balanced and California Alternate Assessment) test as a percentage of all third graders tested. Racial groups with *fewer than 20 students* tested in a county were excluded.

Index of Disparity calculated using best (highest) proficiency rate.

Source: California Assessment of Student Performance and Progress

Year: 2020-21

Link: [https://caaspp-](https://caaspp-elpac.cde.ca.gov/caaspp/ResearchFileList?ps=true&lstTestYear=2019&lstTestType=B&lstCounty=00&lstDistrict=00000&lstSchool=0000000)

[elpac.cde.ca.gov/caaspp/ResearchFileList?ps=true&lstTestYear=2019&lstTestType=B&lstCounty=00&lstDistrict=00000&lstSchool=0000000](https://caaspp-elpac.cde.ca.gov/caaspp/ResearchFileList?ps=true&lstTestYear=2019&lstTestType=B&lstCounty=00&lstDistrict=00000&lstSchool=0000000)

Racial/Ethnic Categories:

Hispanic or Latinx, American Indian or Alaska Native, Asian, Pacific Islander, Filipinx, African American, White, Two or More Races, Not reported. All Racial/Ethnic Categories exclude Latinxs, except for the Latinx category.

Math Proficiency

Indicator: 3rd Graders Scoring Proficient or Better in Mathematics (%)

Students scoring proficient or advanced on the third grade Mathematics test (Smarter Balanced and California Alternate Assessment) as a percentage of all third graders tested. Racial groups with *fewer than 20 students* tested in a county were excluded.

Index of Disparity calculated using best (highest) proficiency rate.

Source: California Assessment of Student Performance and Progress

Year: 2020-21

Link: [https://caaspp-](https://caaspp-elpac.cde.ca.gov/caaspp/ResearchFileList?ps=true&lstTestYear=2019&lstTestType=B&lstCounty=00&lstDistrict=00000&lstSchool=0000000)

[elpac.cde.ca.gov/caaspp/ResearchFileList?ps=true&lstTestYear=2019&lstTestType=B&lstCounty=00&lstDistrict=00000&lstSchool=0000000](https://caaspp-elpac.cde.ca.gov/caaspp/ResearchFileList?ps=true&lstTestYear=2019&lstTestType=B&lstCounty=00&lstDistrict=00000&lstSchool=0000000)

Racial/Ethnic Categories:

Hispanic or Latinx, American Indian or Alaska Native, Asian, Pacific Islander, Filipinx, African American, White, Two or More Races, Not reported. All Racial/Ethnic Categories exclude Latinxs, except for the Latinx category.

Suspensions

Indicator: Students Suspended per 100 Students

Students suspended include those who were suspended for any reason, including willful defiance. This rate is calculated using cumulative enrolled students which consists of the total number of unduplicated primary and short-term enrollments within the academic year.

Catalyst California divided the unduplicated number of students suspended by the number of enrolled students. The California Department of Education masks some values to protect student privacy.

Index of Disparity calculated using the best (lowest), non-zero rate, because ID cannot be calculated based on a rate of zero. We excluded figures for Not Reported in our calculations.

Source: California Department of Education

Year: 2020-21

Link: <https://www.cde.ca.gov/ds/ad/filesd.asp>

Racial/Ethnic Categories:

Hispanic or Latinx, American Indian or Alaska Native, Asian, Pacific Islander, Filipinx, African American, White, Two or More Races, Not reported. All Racial/Ethnic Categories exclude Latinxs, except for the Latinx category.

Early Childhood Education Access

Indicator: Children 0-5 Enrolled in Licensed ECE Program

Licensed childcare (CCCRRN) and Transitional Kindergarten (AIR) enrollment per 100 children aged 0-5 (AIR). Accessible childcare refers to enrollment in one's neighborhood defined here as one's ZIP Code.

Catalyst California added numbers of children enrolled in all forms of licensed care and transitional kindergarten for infants/toddlers and preschoolers, and calculated rates per 100 children ages 0-5.

We used the weighted average method to apply racial average values to this indicator. This method combines and aggregates indicator values with no race and population by race from a lower geography to the county and state levels to derive an average exposure by race value.

We screened out racial groups with populations of *fewer than 50 children* to make sure that a small number did not lead to general conclusions about a racial group in a county or across the state. Index of Disparity calculated using the best (highest) rate of access.

Source: California Child Care Resource & Referral Network (CCCRRN)

Year: 2019

Link: <https://rrnetwork.org/>

Source: American Institutes for Research (AIR) Early Learning Needs Assessment Tool

Year: 2018

Link: <http://www.elneedsassessment.org/default.aspx>

Racial/Ethnic Categories:

Latinx, White alone, Black or African American alone, Asian alone, Other Race alone, American Indian and Alaska Native alone or in combination with another race, Native Hawaiian and Other Pacific Islander alone or in combination with another race, and Two or More Races. White, Black or African American, Asian, Other Race, and Two or More Races exclude Latinxs.

Diversity of Teachers

Indicator: Teachers of a Race per 100 Students of Same Race

Ratio of staff of a race per 100 students of the same race. Catalyst California calculated the number of teachers of a race per 100 students of the same race. Catalyst California screened out racial groups with populations of *fewer than 100 students* of any one racial group to make sure that a small number did not lead to general conclusions about a racial group in a county or across the state.

Index of Disparity calculated using the best (highest) rate.

Source: California Department of Education, Staff Demographic Data

Year: 2018-19

Link: <https://www.cde.ca.gov/ds/ad/staffdemo.asp>

Source: California Department of Education, Enrollment by School

Year: 2018-19

Link: <https://www.cde.ca.gov/ds/sd/sd/filesenr.asp>

Racial/Ethnic Categories:

Hispanic or Latinx, American Indian or Alaska Native, Asian, Pacific Islander, Filipinx, African American, White, Two or More Races, Not reported. All Racial/Ethnic Categories exclude Latinxs, except for the Latinx category.

Chronic Absenteeism

Indicator: Chronically Absent Students per 100 Students

A chronically absent student is absent on 10 percent or more of school days per year. Catalyst California screened out racial groups with *fewer than 20 chronically absent students* so that small numbers did not lead to general conclusions about racial groups.

Index of Disparity calculated using the best (lowest), non-zero rate, because ID cannot be calculated based on a rate of zero.

Source: California Department of Education

Year: 2020-21

Link: <https://www.cde.ca.gov/ds/ad/filesabd.asp>

Racial/Ethnic Categories:

Hispanic or Latinx, American Indian or Alaska Native, Asian, Pacific Islander, Filipinx, African American, White, Two or More Races, Not reported. All Racial/Ethnic Categories exclude Latinxs, except for the Latinx category.

Housing

Subprime Mortgage Loans

Indicator: Subprime (Higher-priced) Loans per 100 Mortgage Loan applicants

Number of higher-priced loans per 100 mortgage applications. These are loans made to borrowers with impaired or limited credit histories, or high ratios of debt to income.

Catalyst California screened out racial groups with *fewer than 75 applications* to make sure that a small number did not lead to general conclusions about a racial group in a county or across the state.

Index of Disparity calculated using the best (lowest), non-zero rate, because ID cannot be calculated based on a rate of zero.

Source: Home Mortgage Disclosure Act (HMDA)

Year: 2013-2017

Link: <http://www.consumerfinance.gov/data-research/hmda/explore>

Racial/Ethnic Categories:

American Indian or Alaska Native, Asian, Black or African American, Hispanic or Latinx, Native Hawaiian and Other Pacific Islander, White, Information not provided by applicant in mail, Internet, or telephone. All Racial/Ethnic Categories exclude Latinxs, except for the Latinx category.

Denied Mortgage Applications

Indicator: Denied Mortgage Applications (%)

Mortgage applications were for home purchases. The loan would be secured by a first lien for housing with one to four units. Mortgage applications that resulted in loan origination or denial by the financial institution were included. Applications that were withdrawn, approved but not accepted, or incomplete were excluded from this analysis. Catalyst California has calculated the two-year sums of denied mortgages and the two-year average mortgage denial rates.

Groups with *fewer than 15 applications* were screened out to remove outlier impacts. Index of Disparity calculated using the best (lowest), non-zero rate, because ID cannot be calculated based on a rate of zero.

Source: Home Mortgage Disclosure Act (HMDA)

Year: 2019-2020

Link: <https://www.consumerfinance.gov/data-research/hmda/explore>

Racial/Ethnic Categories:

Latinx, White alone, African American or Black alone, Asian alone, American Indian/Alaska Native alone or in combination with another race, Native Hawaiian/Pacific Islander alone or in combination with another race, Two or More Races. White, African American or Black, Asian, and Two or More Races exclude Latinx. Categories are based on HMDA derived race data which take into account the race and ethnicity of applicants and co-applicants.

Housing Quality

Indicator: Low Quality Housing (Lack of Available Kitchen, Plumbing, or Heat)

Percentage of housing units that lack kitchen, plumbing, or heat out of all housing units.

Catalyst California excluded races with *fewer than 150 housing units* and values with low reliability based on the coefficient of variation, one of the Census Bureau's statistical quality standard measures. Low reliability here refers to values with coefficients of variation over 35% per

<https://www.esri.com/library/whitepapers/pdfs/the-american-community-survey.pdf>. In addition, In addition, Catalyst California included data for PUMAs that meet at least one of the following criteria: PUMAs that are contained by one county alone or PUMAs with at least 60% of their area contained by one county. State-level estimates also exclude some counties because no data is reported for them. Race/ethnicity is assigned based on the race/ethnicity of head of household.

Index of Disparity calculated using the best (lowest), non-zero rate, because ID cannot be calculated based on a rate of zero.

Source: American Community Survey 5-Year PUMS Estimates

Year: 2016-2020

Link: <https://www.census.gov/programs-surveys/acs/technical-documentation/pums/about.html>

Racial/Ethnic Categories:

Latinx, White alone, Black or African American alone, Asian alone, Other Race alone, American Indian and Alaska Native alone or in combination with another race, Native Hawaiian and Other Pacific Islander alone or in combination with another race, and Two or More Races. White, Black or African American, Asian, Other Race, and Two or More Races exclude Latinxs.

Housing Cost Burden (Renter)

Indicator: Housing Cost-Burdened (Renters) (%)

Percent of renter-occupied housing units where renter spends more than 30% of income on housing and related costs, out of all renter-occupied housing units.

Catalyst California excluded groups with fewer than *100 housing units* and housing burden values with low reliability based on the coefficient of variation, one of the Census Bureau's statistical quality standard measures. Low reliability here refers to values with coefficients of variation over 35% per <https://www.esri.com/library/whitepapers/pdfs/the-american-community-survey.pdf>.

Index of Disparity calculated using the best (lowest), non-zero rate, because ID cannot be calculated based on a rate of zero.

Source: US Department of Housing and Urban Development (HUD), Comprehensive Housing Affordability Strategy (CHAS) data

Year: 2014-2018

Link: <https://www.huduser.gov/portal/datasets/cp.html>

Racial/Ethnic Categories:

Latinx, White alone, Black or African American alone, Asian alone, Other Race alone, American Indian and Alaska Native alone, Native Hawaiian and Other Pacific Islander alone, Other Race including Two or More Races. All Racial/Ethnic Categories exclude Latinxs, except for the Latinx category.

Housing Cost Burden (Owner)

Indicator: Housing Cost-Burdened (Owners) (%)

Percent of owner-occupied housing units where owner spends more than 30% of income on housing and related costs, out of all owner-occupied housing units.

Catalyst California excluded groups with *fewer than 100 housing units* and housing burden values with low reliability based on the coefficient of variation, one of the Census Bureau's statistical quality standard measures. Low reliability here refers to values with coefficients of variation over 35% per <https://www.esri.com/library/whitepapers/pdfs/the-american-community-survey.pdf>.

Index of Disparity calculated using the best (lowest), non-zero rate, because ID cannot be calculated based on a rate of zero.

Source: US Department of Housing and Urban Development (HUD), Comprehensive Housing Affordability Strategy (CHAS) data

Year: 2014-2018

Link: <https://www.huduser.gov/portal/datasets/cp.html>

Racial/Ethnic Categories:

Latinx, White alone, Black or African American alone, Asian alone, Other Race alone, American Indian and Alaska Native alone, Native Hawaiian and Other Pacific Islander alone, Other Race including Two or More Races. All Racial/Ethnic Categories exclude Latinxs, except for the Latinx category.

Foreclosure

Indicator: Foreclosure Rate per 10k Owner-Occupied Housing Units

Rate per 10,000 of Foreclosed Real Estate Owned Properties (REO) in relation to racial population residing in the area. Direct racial estimates for this indicator were unavailable for all California counties. Catalyst California indirectly estimated racial group exposure values by calculating weighted averages that link area-level (census tract) population data with direct indicator estimates to calculate exposure estimates at county and state levels.

We screened out racial groups with *fewer than 30 owner-occupied housing units* to ensure small numbers did not lead to general conclusions about a racial group in a county or for the state. Index of Disparity using the best (lowest), non-zero rate, as IDs cannot be calculated based on a rate of zero.

Source: DataQuick

Year: 2017-2021

Link: <http://www.realtytrac.com/mapsearch/foreclosures/>

Source: American Community Survey 5-Year Estimates, Tables B25003B-1

Year: 2016-2020

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

Racial/Ethnic Categories:

Latinx, non-Latinx White alone, African American or Black alone, Asian alone, American Indian/Alaska Native alone or in combination with another race, Native Hawaiian/Pacific Islander alone or in combination with another race, Two or More Races.

Eviction

Indicator: Eviction Filing Rate per 100 Renter Households

Rate of validated eviction filings per 100 renter households in relation to racial population residing in the area. Direct racial estimates of this indicator were unavailable for all California counties. Catalyst California indirectly estimated racial group exposure values by calculating weighted averages that link area-level (census tract) racial/ethnic population data with direct estimates of evictions. We screened out data for racial groups with *fewer than 200 people* and for groups with *fewer than 25 eviction filings*, to make sure that a small number did not lead to general conclusions about a racial group in a county or across the state. Derived estimates could not be calculated for counties containing fewer than 2 census tracts.

The Index of Disparity calculated used the best (lowest), non-zero rate, because IDs cannot be calculated based on a rate of zero.

Source: The Eviction Lab at Princeton University

Year: 2014-2017

Link: <https://evictionlab.org/get-the-data/>

Source: American Community Survey 5-Year Estimates, Tables B03002B-1

Year: 2013-2017

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

Racial/Ethnic Categories:

Latinx, non-Latinx White alone, African American or Black alone, Asian alone, American Indian/Alaska Native alone or in combination with another race, Native Hawaiian/Pacific Islander alone or in combination with another race, Other Race, Two or More Races.

Overcrowded Housing

Indicator: Overcrowded Housing Units (%)

Percentage of housing units with more than one occupant per room out of all occupied units. Catalyst California excluded values with low reliability based on the coefficient of variation, one of the Census Bureau's statistical quality standard measures. Low reliability here refers to values with coefficients of variation over 40% per <https://www.esri.com/library/whitepapers/pdfs/the-american-community-survey.pdf>.

Catalyst California screened out racial groups of *fewer than 100 occupied housing units* to make sure that a small number did not lead to general conclusions about a racial group in a county or across the state. Index of Disparity calculated using the best (lowest) rate.

Source: American Community Survey 5-Year Estimates, Tables B25014B-1

Year: 2016-2020

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

Racial/Ethnic Categories:

White alone, Black or African American alone, Hispanic or Latinx, Asian alone, Native Hawaiian and Other Pacific Islander alone, American Indian and Alaska Native alone, Other Race alone, Two or More Races. White category excludes Latinxs.

Homeownership

Indicator: Owner-Occupied Units (%)

Percentage of owner-occupied housing units out of all occupied units. Catalyst California excluded values with low reliability based on the coefficient of variation, one of the Census Bureau's statistical quality standard measures. Low reliability here refers to values with coefficients of variation over 40% per <https://www.esri.com/library/whitepapers/pdfs/the-american-community-survey.pdf>.

Catalyst California screened out racial groups of *fewer than 100 owner-occupied housing units* to make sure that a small number did not lead to general conclusions about a racial group in a county or across the state. Index of Disparity calculated using the best (highest) rate.

Source: American Community Survey 5-Year Estimates, Tables B25003B-1

Year: 2016-2020

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

Racial/Ethnic Categories:

White alone, Black or African American alone, Hispanic or Latinx, Asian alone, Native Hawaiian and Other Pacific Islander alone, American Indian and Alaska Native alone, Other Race alone, Two or More Races. White category excludes Latinxs.

Student Homelessness

Indicator: Students Experiencing Homelessness

Percentage of students experiencing homelessness out of all enrolled students. Catalyst California excluded groups with *fewer than 50 enrolled students* to make sure that a small number did not lead to general conclusions about a racial group in a county or across the state.

Index of Disparity calculated using the best (lowest), non-zero rate, because ID cannot be calculated based on a rate of zero.

Source: California Department of Education

Year: 2021-2022

Link: <http://data1.cde.ca.gov/dataquest/>

Racial/Ethnic Categories:

Hispanic or Latinx, American Indian or Alaska Native, Asian, Pacific Islander, Filipinx, African American, White, Two or More Races, Not reported. All Racial/Ethnic Categories exclude Latinxs, except for the Latinx category.

Democracy

Diversity of Elected Officials

Indicator: Elected Officials of a Race per 100k Persons of that Race

Annual average number of elected officials of a race per 100k constituents of the same race. Catalyst California included elected officials at all government levels in our calculations.

We calculated rates of electeds per 100,000 constituents by race using American Community Survey data. Note: The data used for the city estimates differ from those used for the county estimates, making direct comparisons inadvisable. Additionally, while AIAN Electeds is one race alone and excludes Latinxs, the AIAN constituent population is alone and in combination and does not exclude Latinx in order to better reflect AIAN Californians.

Catalyst California also screened out Asian American or Pacific Islander values for geographies that have 0 population.

Index of Disparity calculated using the best (highest) rate.

Source: Who Leads US Campaign

Year: 2017, 2019, 2020

Link: <http://wholeads.us/electedofficials/>

Source: American Community Survey 5-Year Estimates, Table DP05

Year: 2016-2020

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

Racial/Ethnic Categories:

American Indian or Alaska Native, Asian American or Pacific Islander, Black or African American, Hispanic or Latinx, Multiracial, White. Multiracial responses are from self-identification only and, as a result, multiracial elected officials are most likely under-identified in the data. All Racial/Ethnic Categories exclude Latinxs, except for the Latinx category.

Diversity of Candidates

Indicator: Candidates for Elected Office of a Race per 100k Persons of that Race

Annual average number of candidates for elected office of a race per 100k constituents of the same race. Catalyst California selected candidates for office at the state and federal level for California.

We calculated rates of candidates' per 100,000 constituents by race using American Community Survey data. Note: While AIAN Candidates is one race alone and excludes Latinxs, the AIAN constituent population is alone and in combination and does not exclude Latinx in order to better reflect AIAN Californians.

Index of Disparity calculated using the best (highest) rate.

Source: Who Leads US Campaign

Year: 2014, 2016, 2018, 2020

Link: <https://wholeads.us/candidates/>

Source: American Community Survey 5-Year Estimates, Table DP05

Year: 2015-2019

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

Racial/Ethnic Categories:

American Indian or Alaska Native, Asian American or Pacific Islander, Black or African American, Hispanic or Latinx, Multiracial, White. Multiracial responses are from self-identification only and, as a result, multiracial candidates are most likely under-identified in the data. All Racial/Ethnic Categories exclude Latinxs, except for the Latinx category.

Voting in Presidential Elections

Indicator: Voting in Presidential Elections

Annual average percent of voters voting in presidential elections among the citizen voting age population. Catalyst California calculated the average using 2012, 2016, and 2020 election data. Note that geographies may have data for only one or two of those years, while others have data for all three election years. The following six counties have only one year of data: Imperial, Madera, Merced, Napa, Riverside, and San Bernardino. Additionally, the following two counties have only two years of data: Kings and Shasta.

Catalyst California screened out racial groups with *fewer than 10 voters* to make sure that a small number did not lead to general conclusions about a racial group in a county or across the state.

Index of Disparity calculated using the best (highest) average rate.

Source: Current Population Survey (CPS) Supplements: Voting and Registration

Year: 2012, 2016, and 2020

Link: <https://www.census.gov/topics/public-sector/voting/data.html>

Racial/Ethnic Categories:

Latinx, White alone, African American or Black alone, Asian alone, American Indian/Alaska Native alone or in combination with another race, Native Hawaiian/Pacific Islander alone or in combination with another race, Two or More Races. White, African American or Black, Asian, and Two or More Races exclude Latinx.

Voting in Midterm Elections

Indicator: Voting in Midterm Elections

Annual average percent of voters voting in midterm elections among citizen voting age population. Catalyst California calculated the average using 2010, 2014, and 2018 election data. Note that geographies may have data for fewer years, while others have data for all five years. The following four counties have only one year of data: Imperial, Madera, Merced, and Napa.

Catalyst California screened out racial groups with *fewer than 10* to make sure that a small number did not lead to general conclusions about a racial group in a county or across the state.

Index of Disparity calculated using the best (highest) average rate.

Source: Current Population Survey (CPS) Supplements: Voting and Registration

Year: 2010, 2014, 2018

Link: <https://www.census.gov/topics/public-sector/voting/data.html>

Racial/Ethnic Categories:

Latinx, White alone, African American or Black alone, Asian alone, American Indian/Alaska Native alone or in combination with another race, Native Hawaiian/Pacific Islander alone or in combination with another race, Two or More Races. White, African American or Black, Asian, and Two or More Races exclude Latinx.

Registered Voters

Indicator: Registered Voters

Annual average percent of registered voters among the total citizen voting age population.

Catalyst California calculated a five-year average using 2012-2018 (even years) data. Note that geographies may have data for fewer years, while others have data for all five years. The following four counties have only one year of data: Imperial, Madera, Merced, and Napa. The following two counties have only two years of data: Riverside and San Bernardino. Additionally, the following two counties have only four years of data: Kings and Shasta.

Catalyst California screened out racial groups with *fewer than 10 registered voters* to make sure that a small number did not lead to general conclusions about a racial group in a county or across the state.

Index of Disparity calculated using the best (highest) average rate.

Source: Current Population Survey (CPS) Supplements: Voting and Registration

Year: Average of 2012-2020, even years

Link: <https://www.census.gov/topics/public-sector/voting/data.html>

Racial/Ethnic Categories:

Latinx, White alone, African American or Black alone, Asian alone, American Indian/Alaska Native alone or in combination with another race, Native Hawaiian/Pacific Islander alone or in combination with another race, Two or More Races. White, African American or Black, Asian, and Two or More Races exclude Latinx.

Census Participation

Indicator: Census Participation

The percentage of households that self-responded to the 2020 Census. These data are not available by race, so Catalyst California 'raced' the data by calculating a weighted average of census tract self-response rates by area race. Thus, percentages by race are relative exposure to higher or lower self-response rates.

We screened out racial groups or with *fewer than 150 people* to make sure that a small number did not lead to general conclusions about a racial group or county. Derived estimates cannot be calculated in counties that contain fewer than two census tracts.

Index of Disparity calculated using the best (highest) average rate.

Source: U.S. Census Bureau

Year: 2020

Link: <https://www.census.gov/library/visualizations/interactive/2020-census-self-response-rates-map.html>

Source: American Community Survey 5-Year Estimates, Table DP05

Year: 2015-2019

Link: <https://data.census.gov/cedsci/>

Racial/Ethnic Categories:

Latinx, White, Black, American Indian or Alaska Native, Asian, Pacific Islander, Other Race, Two or More Races. All Racial/Ethnic Categories exclude Latinxs, except for the Latinx category.

Crime and Justice

Arrests for Status Offenses

Indicator: Status Offense Arrests per 10k Youth under 18

Annual average number of arrests for status offense arrests over nine years. The average rate was calculated using the average number of arrests by race per 10,000 youth under 18 of the same race using 2011-2019 data. Status offenses include arrests of youth under age 18 for curfew violations, truancy, and running away.

Racial groups with *fewer than 30 arrests* or with *fewer than 100 youth* in a county were excluded to remove outlier impacts by small population sizes. Index of Disparity calculated using the best (lowest), non-zero rate, because ID cannot be calculated based on a rate of zero.

Source: Open Justice Data, California Department of Justice

Year: 2011-2020

Link: <https://openjustice.doj.ca.gov/data>

Source: American Community Survey 5-Year Estimates, Tables B01001B/H/I

Year: 2016-2020

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

Racial/Ethnic Categories:

Latinx, White, Black. Data are not provided for other groups. White and Black categories exclude Latinxs.

Use of Force

Indicator: Average Number People Injured in Law Enforcement Use of Force Incidents per 100,000 People by Race

Use of force incidents included are those involving the discharge of a firearm, serious bodily injury, or death. Annual average rate calculated using data from 2016 through 2021. Number of people injured is the six year total. Catalyst California screened estimates for groups with *fewer than 100 people*. Estimates for Other and Multiracial populations not included because of mismatches in incident and population racial definitions.

Index of Disparity for this indicator is calculated using the best (highest) rate of people who did NOT receive force from law enforcement. We used these ‘flipped’ data values because so many counties had one or more racial groups with zero people receiving force over the four-year period. As such, the results using the ‘flipped’ data values paint a more accurate picture of the variation in racial disparity within and between counties.

Source: Open Justice Data, California Department of Justice

Year: 2016-2021

Link: <https://openjustice.doj.ca.gov/data>

Source: American Community Survey 5-Year Estimates, Table DP05

Year: 2016-2020

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

Racial/Ethnic Categories:

Latinx alone or in combination with another race, Asian and Pacific Islander alone or in combination with another race, Native American alone or in combination with another race, Black alone or in combination with another race, White. White category excludes Latinxs.

Incarceration

Indicator: Adult Incarcerations per 100k Persons

The total institutional population in jails is computed using the Annual Survey of Jails and Census of Jails data, and includes persons held under federal and other authorities. Total jail population is defined as the average daily number of people held in jail through December 31 of a given year. Disaggregated counts by race are reported as a single day count at the end of June. People are counted in the county in which they are incarcerated. We used the total number of adults incarcerated by race and then calculated the rate per 100,000 persons aged 15-64 of the same race.

Index of Disparity calculated using the best (lowest), non-zero rate, because ID cannot be calculated based on a rate of zero.

Source: Vera Institute of Justice

Year: 2018

Link: <https://github.com/vera-institute/incarceration-trends>

Racial/Ethnic Categories:

White, Black, Latinx, Asian/Pacific Islander, and American Indian/Alaskan Native. All Racial/Ethnic Categories exclude Latinxs, except for the Latinx category.

Perception of Safety

Indicator: Adults who Feel Safe in Their Neighborhood (%)

Percentage of adults who reported feeling safe in their neighborhood all or most of the time. Catalyst California excluded values where a CHIS 95% confidence interval denoted that an estimate was statistically unstable.

Index of Disparity calculated using the best (highest) rate.

Source: California Health Interview Survey

Year: 2011-2020

Link: <http://ask.chis.ucla.edu/>

Racial/Ethnic Categories:

Latinx, White alone, African American or Black alone, Asian alone, American Indian/Alaska Native alone or in combination with another race, Native Hawaiian/Pacific Islander alone or in combination with another race, Two or More Races. White, African American or Black, Asian, and Two or More Races exclude Latinx.

Healthy Built Environment

Drinking Water Contaminants

Indicator: Drinking Water Contaminants Exposure

This exposure indicator score is based on drinking water system boundaries and water contaminant data aggregated to census tracts. The higher the score, the more contamination exposure.

Direct racial estimates of this indicator were unavailable for all California counties. Catalyst California indirectly estimated racial group exposure values by calculating weighted averages that link area-level (census tract) population data with direct indicator estimates at the county and state level. Derived estimates cannot be calculated for counties containing fewer than two census tracts (Alpine and Sierra).

Catalyst California excluded data for groups with fewer than 250 people. Index of Disparity calculated using the best (lowest), non-zero rate, because ID cannot be calculated based on a rate of zero.

Source: OESHHA Cal Enviro Screen 4.0

Year: 2021

Link: <https://oehha.ca.gov/calenviroscreen/report/draft-calenviroscreen-40>

Source: American Community Survey 5-Year Estimates, Table DP05

Year: 2016-2020

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

Racial/Ethnic Categories:

Latinx, White alone, African American or Black alone, Asian alone, American Indian/Alaska Native alone or in combination with another race, Native Hawaiian/Pacific Islander alone or in combination with another race, Other Race, Two or More Races. White, African American or Black, Asian, Other Race, Two or More Races exclude Latinx.

Food Access

Indicator: People Always or Usually Able to Find Fresh Fruits and Vegetables (%)

Percent of adults who say they usually or always find fresh fruits and vegetables in their neighborhood. This excludes adults who say they sometimes or never find fresh fruits and vegetables in their neighborhood, or don't eat or shop for fresh fruits and vegetables in their neighborhood.

Catalyst California chose a 2011-2018 pooled sample of CHIS data to maximize the number of stable racial/ethnic estimates. However, it did exclude some unstable estimates and estimates with low populations as recommended by the California Health Interview Survey.

The index of disparity is calculated based on the best (highest) rate, which is the racial group with the highest fresh fruit/vegetable access in an area.

Source: California Health Interview Survey (CHIS)

Year: 2011-2018

Link: <http://ask.chis.ucla.edu/>

Racial/Ethnic Categories:

Latinx, White alone, African American or Black alone, Asian alone, American Indian/Alaska Native alone or in combination with another race, Native Hawaiian/Pacific Islander alone or in combination with another race, Two or More Races. White, African American or Black, Asian, and Two or More Races exclude Latinx.

Proximity to Hazards

Indicator: Severity and Population Weighted Distance from EnviroStor Sites

Proximity to hazardous sites, identified using the [EnviroStor](#) Cleanup Sites Database, Department of Toxic Substances Control. The database includes: Federal Superfund, State Response, Corrective Action, School Cleanup, Voluntary Cleanup, Tiered Permit, Evaluation, Historical, and Military Evaluation sites. Hazardous substances can move off-site and impact surrounding communities through volatilization, groundwater plume migration, or windblown dust. Since the nature and the magnitude of the threat and burden posed by hazardous substances vary among the different types of sites as well as the site status, the indicator takes both into account. Weights were also adjusted based on proximity to populated census blocks. Catalyst California calculated the number of weighted EnviroStor cleanup sites within buffered distances to populated blocks of census tracts.

Direct racial estimates of this indicator were unavailable for all California counties. Catalyst California indirectly estimated racial group exposure values by calculating weighted averages that link population data and the weighted number of sites at the area-level (census tract), to derive estimates at county and state levels. The estimates range from 0 (lowest) to 312.75 (highest). Derived estimates cannot be calculated for counties containing fewer than two census tracts (Alpine and Sierra).

Catalyst California excluded data for groups with *fewer than 250* people.

Index of Disparity calculated using the best (lowest), non-zero rate, because ID cannot be calculated based on a rate of zero.

Source: OESHHA Cal Enviro Screen 4.0

Year: 2021

Link: <https://oehha.ca.gov/calenviroscreen/report/draft-calenviroscreen-40>

Source: American Community Survey 5-Year Estimates, Table DP05

Year: 2016-2020

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

Racial/Ethnic Categories:

Latinx, White alone, African American or Black alone, Asian alone, American Indian/Alaska Native alone or in combination with another race, Native Hawaiian/Pacific Islander alone or in combination with another race, Other Race, Two or More Races. White, African American or Black, Asian, Other Race, Two or More Races exclude Latinx.

Toxic Releases

Indicator: Exposure to Toxic Releases from Facilities

This exposure indicator score measures toxicity weighted concentrations of modeled chemical releases to air from facility emissions and off-site incineration. The higher the score, the more release exposure.

Direct racial estimates of this indicator were unavailable for all California counties. Catalyst California indirectly estimated racial group exposure values by calculating weighted averages that link area-level (census tract) population data with direct indicator estimates at the county and state level. Derived estimates cannot be calculated for counties containing fewer than two census tracts (Alpine and Sierra).

Catalyst California excluded data for groups with *fewer than 250* people.

Index of Disparity calculated using the best (lowest), non-zero rate, because ID cannot be calculated based on a rate of zero.

Source: OESHHA Cal Enviro Screen 4.0

Year: 2021

Link: <https://oehha.ca.gov/calenviroscreen/report/draft-calenviroscreen-40>

Source: American Community Survey 5-Year Estimates, Table DP05

Year: 2016-2020

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

Racial/Ethnic Categories:

Latinx, White alone, African American or Black alone, Asian alone, American Indian/Alaska Native alone or in combination with another race, Native Hawaiian/Pacific Islander alone or in combination with another race, Other Race, Two or More Races. White, African American or Black, Asian, Other Race, Two or More Races exclude Latinx.

Asthma

Indicator: People Diagnosed with Asthma (%)

People who have been told they have asthma per 100 people. This indicator presents survey responses of children, teens, and adults who answered yes to the question, "Has a doctor ever told you that you have asthma?".

Catalyst California chose a 2011-2020 pooled sample of CHIS data to maximize the number of stable racial/ethnic estimates. However, it did exclude some unstable estimates and estimates with low populations as recommended by the California Health Interview Survey.

Index of Disparity is calculated based on the best (lowest), non-zero rate, which is the racial group with the lowest asthma prevalence in an area.

Source: California Health Interview Survey

Year: 2011-2020

Link: <http://ask.chis.ucla.edu/>

Racial/Ethnic Categories:

Latinx, White alone, African American or Black alone, Asian alone, American Indian/Alaska Native alone or in combination with another race, Native Hawaiian/Pacific Islander alone or in combination with another race, Two or More Races. White, African American or Black, Asian, and Two or More Races exclude Latinx.

Lack of Greenspace

Indicator: Impervious Land Cover (%)

Percent impenetrable surface areas such as rooftops, roads or parking lots. Impervious surfaces are covered by impenetrable, artificial materials, such as brick, concrete and asphalt and includes structures such as roads, pavement, parking lots, buildings and roof tops. Access to green space is then defined as the inverse of the percentage of census tract covered by impervious surfaces.

Catalyst California indirectly estimated racial group exposure values by calculating weighted averages that link area-level (census tract) population data with direct indicator estimates to calculate exposure estimates at county and state levels. Derived estimates cannot be calculated for counties containing fewer than two census tracts (Alpine and Sierra).

Catalyst California screened out data for groups with *fewer than 250 people*. We also suppressed data where rates are equal to zero since it is unlikely there are inhabited areas without roofs, roads, or parking lots.

Index of Disparity calculated using the best (lowest), non-zero rate, because ID cannot be calculated based on a rate of zero.

Source: National Landcover Database (NLCD)

Year: 2019

Link: <https://www.usgs.gov/centers/eros/science/national-land-cover-database>

Source: American Community Survey 5-Year Estimates, Table DP05

Year: 2016-2020

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

Racial/Ethnic Categories:

Latinx, White alone, African American or Black alone, Asian alone, American Indian/Alaska Native alone or in combination with another race, Native Hawaiian/Pacific Islander alone or in combination with another race, Other Race alone, Two or More Races. White, African American or Black, Asian, Other Race, Two or More Races exclude Latinx.