Short Title: Income Inequality
Full title: Distribution of household income relative to the number of households, expressed on a 0 to 1 scale (Gini Index)

1. Healthy Community Framework:
   Communities have health and social equity

2. What is our aspirational goal?
   Social equity

3. Why is this important to health?
   a. Description of significance and health connection.
      Income is linked to acquiring resources for healthy living. Both household income and the distribution of income across a society independently contribute to the overall health status of a community. On average Western industrialized nations with large disparities in income distribution tend to have poorer health status than similarly advanced nations with a more equitable distribution of income. Approximately 119,200 (5%) of the 2.4 million U.S. deaths in 2000 are attributable to income inequality. The pathways by which income inequality act to increase adverse health outcomes are not known with certainty, but policies that provide for a strong safety net of health and social services have been identified as potential buffers.
   b. Summary of evidence.
      Many cross sectional, ecological studies have compared western industrialized countries, including the United States, along a gradient of a health outcome and the corresponding gradient of income inequality using the Gini index, a measure of inequality of income and wealth. A Gini index of 1 represents maximum inequality or unequal distribution of income; a Gini index of 0 represents maximum equality when each household has the same income.
      Studies using this index often show a linear relationship between increasing income inequality and poorer health outcomes such as life expectancy, infant mortality, obesity, mental illness, homicide, etc. Several, large longitudinal studies that followed healthy participants at baseline were combined to estimate the number of U.S. deaths in 2000 attributable to income inequality.
   c. References.
      Wilkinson R, Pickett K. The Spirit Level: Why Equal Societies Almost Always Do
4. What is the indicator?

a. Detailed definition.

Cumulative percentage of household income relative to the cumulative percentage of the number of households expressed on a 0 to 1 scale called the Gini Index (0 = equal incomes for all households, 1 = all income is concentrated in 1 household)

b. Data Description.

i. Data source: Gini Index Data from the American Community Survey: Table B19083. http://factfinder2.census.gov.

ii. Years available: 2005 through 2007 (3-year), 2008 through 2010 (3-year), and 2006 through 2010 (5-year).

iii. Updated: at 3 and 5-year intervals.

iv. Geographies available: Cities/towns, counties, regions (derived), state.

v. Stratification: race/ethnicity not available.

Data for the Gini index, including margin of error, were downloaded from the American Community Survey (ACS). Three-year data were collected for cities, towns, and counties over 60,000 in population for the intervals 2005-2007 and 2008-2010. Five-year ACS data 2006-2010 were also collected for cities and towns with populations generally greater than 20,000.

Standard errors, relative standard errors, and 95% upper and lower confidence intervals were calculated from margins of error. Regional estimates were based on county groupings associated with California metropolitan planning organizations as reported in the 2010 California Regional Progress Report (http://www.dot.ca.gov/hq/tpp/offices/orip/Collaborative%20Planning/Files/CARegionalProgress_2-1-2011.pdf). Information on the median household income for places and counties (obtained from table DP03 of the ACS) and their grouping in deciles are included for those users interested in comparing the Gini index within the same income decile.

5. Limitations

Calculations of the Gini coefficient from the American Community Survey at geographies below census place were not statistically reliable. There was no race/ethnicity information available for the Gini coefficient.

6. Projects using this indicator