**UCLA Center for Neighborhood Knowledge**

**COVID-19 Equity Research Initiative**

**California Vulnerability Indicators Metadata**

**Workers at Risk of Job Displacement Due to COVID-19 Business Closures**

* **Technical definition**: Census tract-level estimates of the percentage of workers (16 years and older) in sectors highly impacted by COVID-19 related business closures. Workers in these sectors include service workers in hospitality, sales workers in retail, and workers in personal care and service operations. These workers are also at high risk of COVID-19 exposure as businesses start reopening.
* **Data source(s):** Tabulated by the UCLA Center for Neighborhood Knowledge (2020) using data from the American Community Survey (2014-18 5-year average).
* **Source URL:** <https://knowledge.luskin.ucla.edu/>
* **Month(s), Year of data:**  2014 - 2018

**Workers not Covered by Unemployment Insurance Program**

* **Technical definition**: Census tract-level estimates of the percentage of workers who are not part of the Unemployment Insurance program.
* **Data source(s):** Tabulated by the UCLA Center for Neighborhood Knowledge (2020) using data from the American Community Survey (2013-17 5-year average), and Longitudinal Employer-Household Dynamics (2013-17 5-year average).
* **Source URL**: <https://knowledge.luskin.ucla.edu/>
* **Month(s), Year of data:**  2013 - 2017

**Shelter-in-Place Burden Index**

* **Technical definition**: Census tract level data on neighborhoods that are burdened by COVID-19 sheltering-in-place mandates. Four variables are used to measure the relative difficulty (or ease) in complying with sheltering-in-place: neighborhood population density, availability of public-open space per person, estimate of the relative number of households without access to a nearby supermarket (adjusted for household vehicle ownership), and crowding within housing. This indicator is reported in deciles (relative to the State as whole).
* **Data source(s):** Index developed by the UCLA Center for Neighborhood Knowledge (2020) using data from the American Community Survey (2014-18 5-year average); California Department of Parks and Recreation (2015), and USDA Food Access Research Atlas (2015).
* **Source URL:** <https://knowledge.luskin.ucla.edu/>
* **Month(s), Year of data:**  The raw/underlying data used to construct the index come from different years ranging from 2014 to 2018.

**Renter Vulnerability Index**

* **Technical definition**: Census tract-level data on neighborhoods with a high concentration of financially vulnerable renters. This measure utilizes four dimensions to identify vulnerable neighborhoods: (1) neighborhoods with a disproportionate large number of renters on the edge of financial vulnerability due to high housing cost burden; (2) neighborhoods with a disproportionate large number of workers vulnerable to job displacement due to retail and service-sector closures; (3) neighborhoods with disproportionate proportion of individuals who are undocumented (many are excluded from receiving federal pandemic-relief packages such as the one-time cash payments under the CARES Act), and (4) neighborhoods with a disproportionate number of people excluded from Unemployment Insurance Program. This measure is reported in deciles (relative to the State as whole) and only includes census tracts with at least 500 renter households.
* **Data source(s):** Index developed by the UCLA Center for Neighborhood Knowledge (2020) using data from the American Community Survey (2013-17 and 2014-18 5-year averages), Longitudinal Employer-Household Dynamics (2013-17 5-year average) and the center’s proprietary data on estimates of undocumented individuals.
* **Source URL:** <https://knowledge.luskin.ucla.edu/>
* **Month(s), Year of data:** The raw/underlying data used to construct the index come from different years ranging from 2013 to 2018.

**2020 Census Non-Response Rate (August 1, 2020)**

* **Technical definition**: Census tract level estimates of the 2020 Census non-response rates as of August 1, 2020.
* **Data source(s):** Estimated for 2010 tract boundaries by the UCLA Center for Neighborhood Knowledge (2020) using the U.S. Census Response Rates for the 2020 Decennial Census.
* **Source URL:** <https://knowledge.luskin.ucla.edu/>
* **Month(s), Year of data:** 2020