**Area Deprivation Index (ADI)**

**University of Wisconsin, Center for Health Disparities Research**

**RSquare with NCANDS CM County Level Rate = .36.**

<https://www.neighborhoodatlas.medicine.wisc.edu/>

Available in percentile ranks at Block Group level only. Aggregated up to weighted county values in our study.

*“Because of the way that it is statistically constructed, the ADI should always only be used in a rank-type format. When we released our first public use ADI data set (2000 ADI), we released these as raw scores. However, to appropriately employ such scores, the raw scores must be converted to ranks. This extra step was a burden to some of our users. As such, to ensure statistically appropriate interpretation of the metric, we decided that for newer ADI releases using the Neighborhood Atlas, all would be converted to ranks to ensure ease of use. We do not currently have plans to release the raw scores for the ADIs available through the Neighborhood Atlas.”*

*“Do you have a 5-digit ZIP Code dataset available, or a ZCTA-level dataset? No. In recent validation work that used 2009-2013 American Community Survey data, it became clear that the ADI should not be used at any levels other than those core geographic units defined by the Census (see*[*diagram of Census levels*](https://www2.census.gov/geo/pdfs/reference/geodiagram.pdf)*). Those with interest in using a ZIP-based methodology may still employ the 9-digit ZIP Code crosswalk, which was built to correspond directly to Census block groups and accompanies the Census block group level ADI.”*

*– from FAQ at above address*

**Child Opportunity Index (COI)**

**DiversityDataKids.org and the Kirwan Institute for the Study of Race and Ethnicity at Ohio State University**

**RSquare with NCANDS CM County Level Rate = .13**

<https://data.diversitydatakids.org/dataset/coi30-2010-tracts-child-opportunity-index-3-0-database--2010-census-tracts?_ga=2.20919935.671076864.1747231816-1946808301.1747074220>. Indicators available at <https://www.diversitydatakids.org/research-library/child-opportunity-index-30-indicators> . Includes a broad range of indicators (ed, health, SES) with things like pollution and broadband access.

**Community Resilience Estimates (CRE)**

**CDC**

**RSquare with NCANDS CM County Level Rate = .12**

<https://www.census.gov/programs-surveys/community-resilience-estimates/data/datasets.html>

Counts percent of people in each county with a set number of specified ACS-derived vulnerabilities (0, 1-2, 3). The percent of people with 3+ vulnerabilities is far more predictive than the percent with 1+.

**County Health Rankings**

**University of Wisconsin Population Health Institute**

**https://www.countyhealthrankings.org/health-data/methodology-and-sources/data-documentation**

These are within state rankings, making them difficult to use nationally. They do, however, include very detailed county level data on many issues (infant mortality, crime, etc… ***\*by race\****) Not suitable for national level analyses, as they are only within-state rankings.

**Distressed Communities Index (DCI)**

**Economic Innovation Group**

[**https://eig.org/distressed-communities/?geo=states&lat=38.01&lon=-96.42&z=4.39**](https://eig.org/distressed-communities/?geo=states&lat=38.01&lon=-96.42&z=4.39)

Proprietary only. Requires license.

**Local Social Inequity Scores (LSI)**

**RTI**

These values exist but are proprietary.

<https://www.rti.org/rti-press-publication/artificially-intelligent-social-risk-adjustment-development-pilot-testing-ohio>

**Social Deprivation Index (SDI)** *– some years only.*

**Robert Graham Center**

[**https://www.graham-center.org/maps-data-tools/social-deprivation-index.html**](https://www.graham-center.org/maps-data-tools/social-deprivation-index.html)

**RSquare with NCANDS CM County Level Rate = .06**

Very basic set of indicators from ACS. Based on weighted factor loading.

**Social Vulnerability Index (SVI)**

**CDC/ATSDR**

[**https://www.atsdr.cdc.gov/place-health/php/svi/svi-data-documentation-download.html**](https://www.atsdr.cdc.gov/place-health/php/svi/svi-data-documentation-download.html)

**RSquare with NCANDS CM County Level Rate = .06**

**Social Vulnerability Index (SoVI)**

**University of South Carolina**

[**https://sc.edu/study/colleges\_schools/artsandsciences/centers\_and\_institutes/hvri/data\_and\_resources/sovi/sovi\_data/index.php**](https://sc.edu/study/colleges_schools/artsandsciences/centers_and_institutes/hvri/data_and_resources/sovi/sovi_data/index.php)

**RSquare with NCANDS CM County Level Rate = .30**

29 indicators, mostly from ACS, showing area vulnerability to social hazards - race is a variable.

**Yost Index (YI)** *– some years only*.

**Pumphandle LLC**

[**https://figshare.com/articles/dataset/Yost\_Index\_with\_90\_confidence\_intervals\_single\_file\_only\_/23268761?file=41012021**](https://figshare.com/articles/dataset/Yost_Index_with_90_confidence_intervals_single_file_only_/23268761?file=41012021)

**RSquare with NCANDS CM County Level Rate = .34**

Very simple, uses small number of census variables ad not included due to limitation of variables used. Uses factor analysis to generate scores.