

# Neighborhood Atlas: Area Deprivation Index

## What is Neighborhood Atlas, also known as the Area Deprivation Index

The Neighborhood Atlas is based on a measure created by the Health Resources & Services Administration over two decades ago for primarily county-level use. It was refined, adapted, and validated to the census-block group/neighborhood level by Amy Kind, MD, PhD., and her research team at the University of Wisconsin School of Medicine and Public Health called the Area Deprivation Index (ADI). It allows for rankings (groupings) of neighborhoods by socioeconomic disadvantage in a region of interest, e.g., statewide, based on factors including income, education, employment, and housing quality. The Washington Health Alliance uses it to rank socioeconomic advantage and disadvantage within the state of Washington. For more on the Neighborhood Atlas, visit the University of Wisconsin School of Medicine and Public Health's Center for Health Disparities Research.

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## ADI determines advantage based on the following 17 census-based measures:

- Percent of population aged  $\geq 25$  years with  $< 9$  years of education
- Percent of population aged  $\geq 25$  years with less than a high school diploma
- Percent of employed persons  $\geq 16$  years of age in white-collar occupations
- Percent of single-parent households with children  $< 18$  years of age
- Income disparity
- Median home value
- Median gross rent
- Median monthly mortgage
- Percent owner-occupied housing units
- Percent of civilian labor force population  $\geq 16$  years of age unemployed
- Percent of households with more than one person per room
- Percent of population below 150% of the poverty threshold
- Percent of occupied housing units without complete plumbing
- Percent of households without a motor vehicle
- Percent of households without a telephone
- Median family income
- Percent of families below the poverty level

For a visual representation of ADI in Washington state, below is an example of it scaled to compare neighborhoods within Washington, rather than nationwide:

