

# What we did

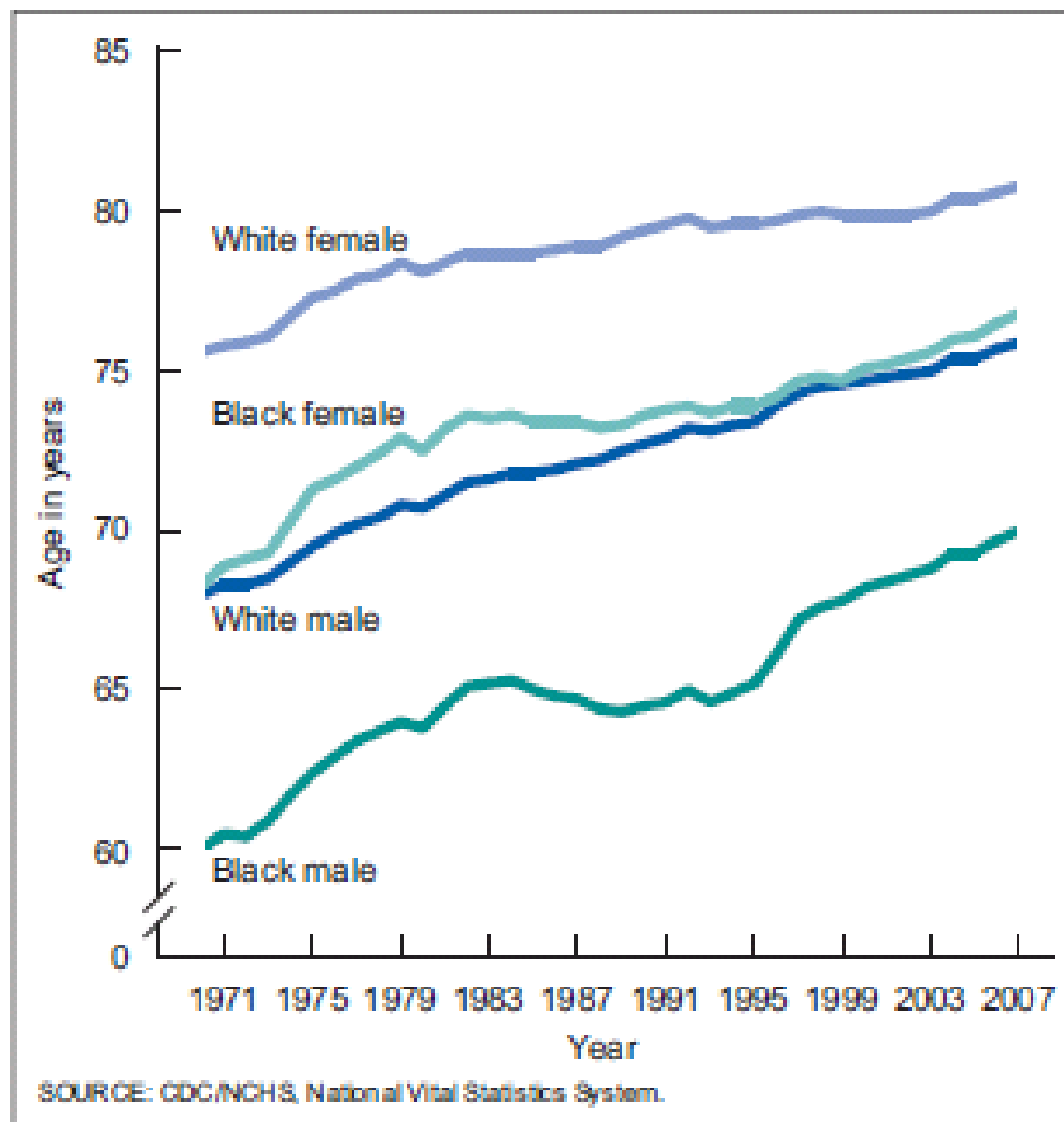
- Kulkarni et al: “Falling behind: life expectancy in US counties...in an international context”
- Calculate life expectancy for each neighborhood (census tract) in King County
  - aggregated 2005 to 2009
  - deleted tracts with fewer than 20 deaths
- Averaged the 10 best countries
- Look at how neighborhoods compare to the best that could be achieved in life expectancy

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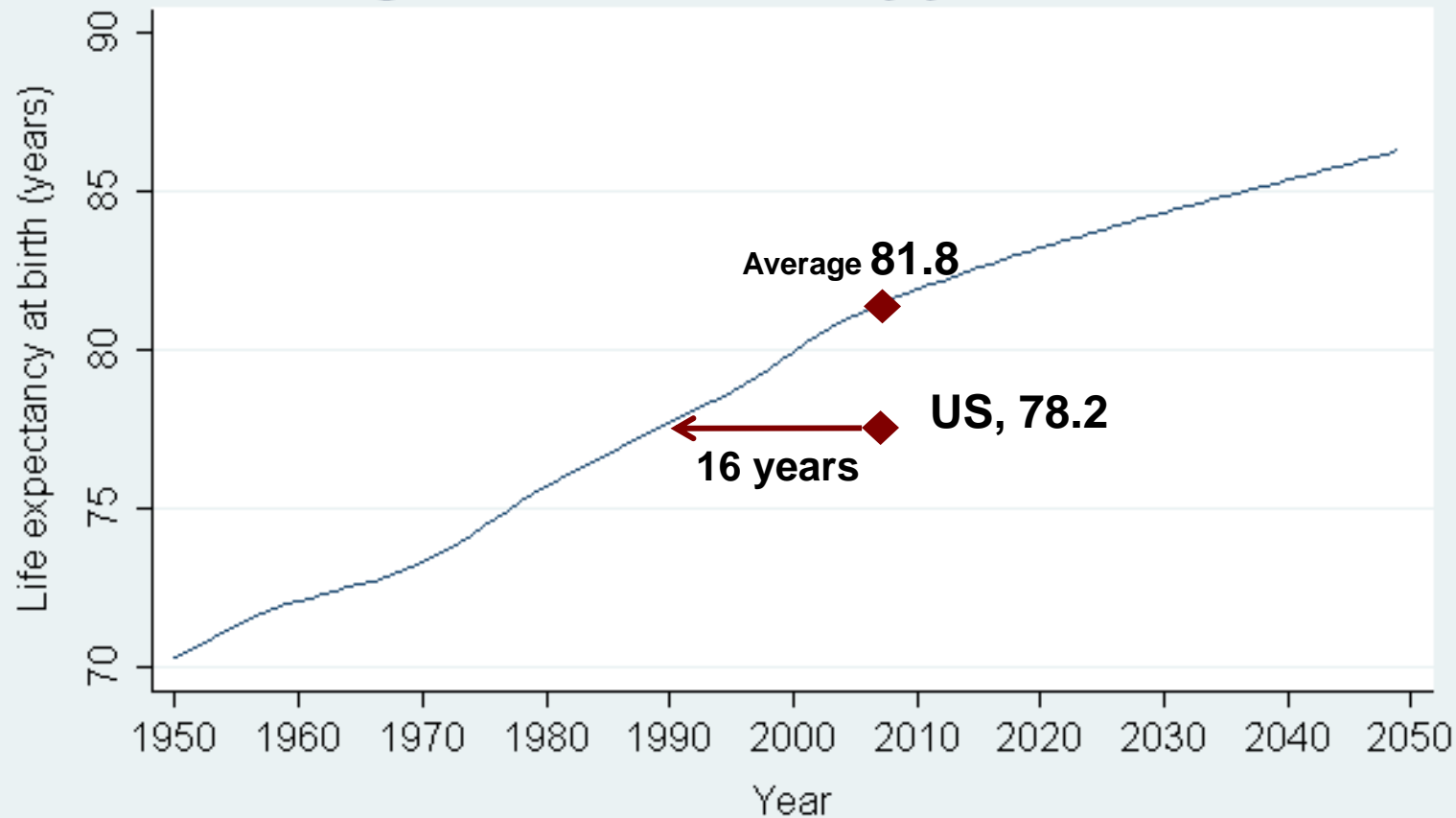
# What is “life expectancy”?

- Expected number of years remaining at a given age (birth=age 0)
- As if current age-specific death rates would continue through a person's life
  - current=reference year, e.g., 1990, 2005, 2012
- **All** causes of death combined



**Figure 1. Life expectancy at birth, by race and sex:  
United States, 1970–2007**

## Historic and projected life expectancy of the longest-lived countries, by year, 1950 to 2050



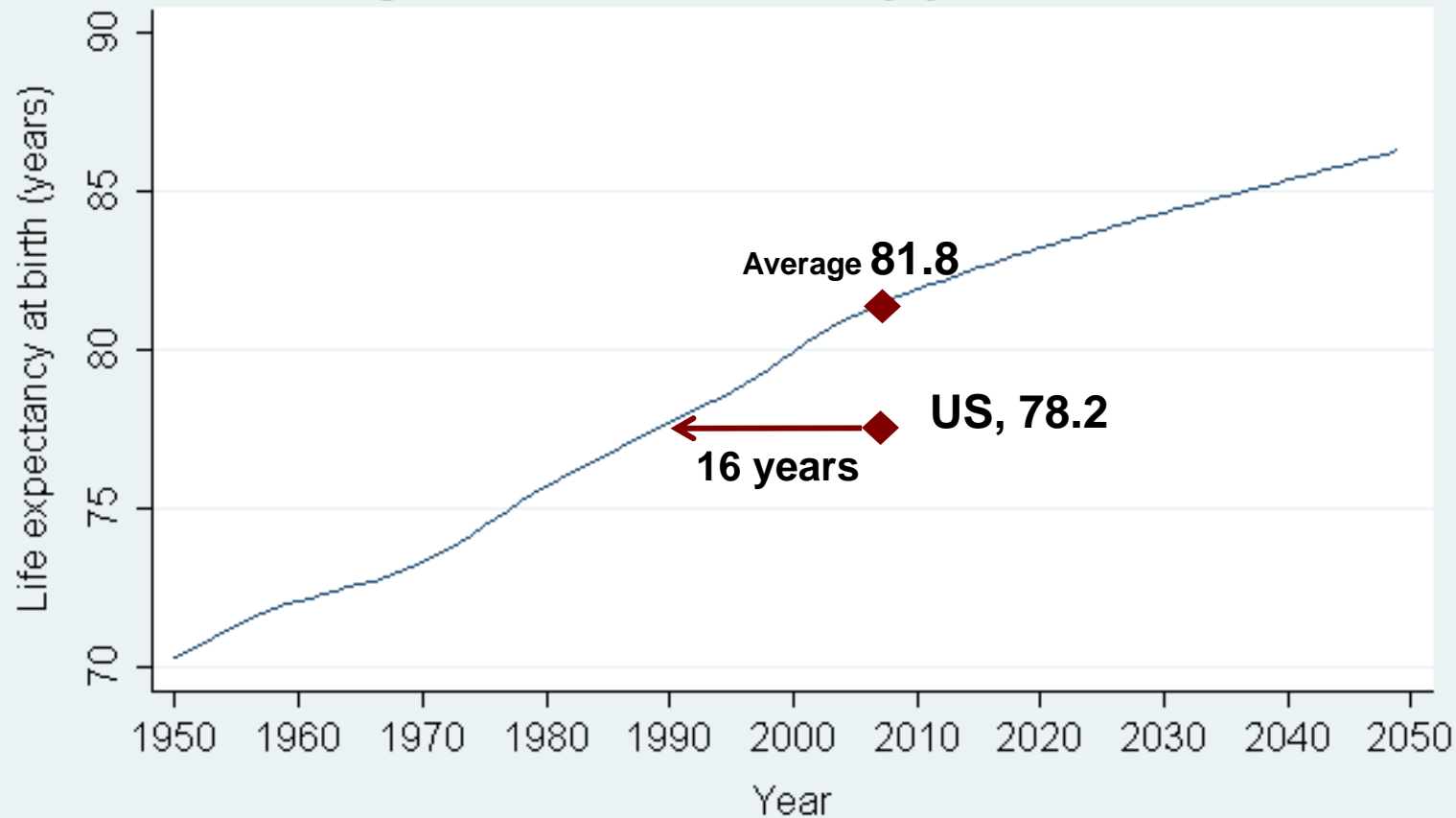
Source: Institute for Health Metrics and Evaluation, University of Washington and Public Health - Seattle & King County, APDE

**2009**

Australia  
Canada  
Finland  
France  
Hong Kong  
Iceland  
Israel  
Italy  
Japan  
Macao  
Norway  
Spain  
Sweden  
Switzerland



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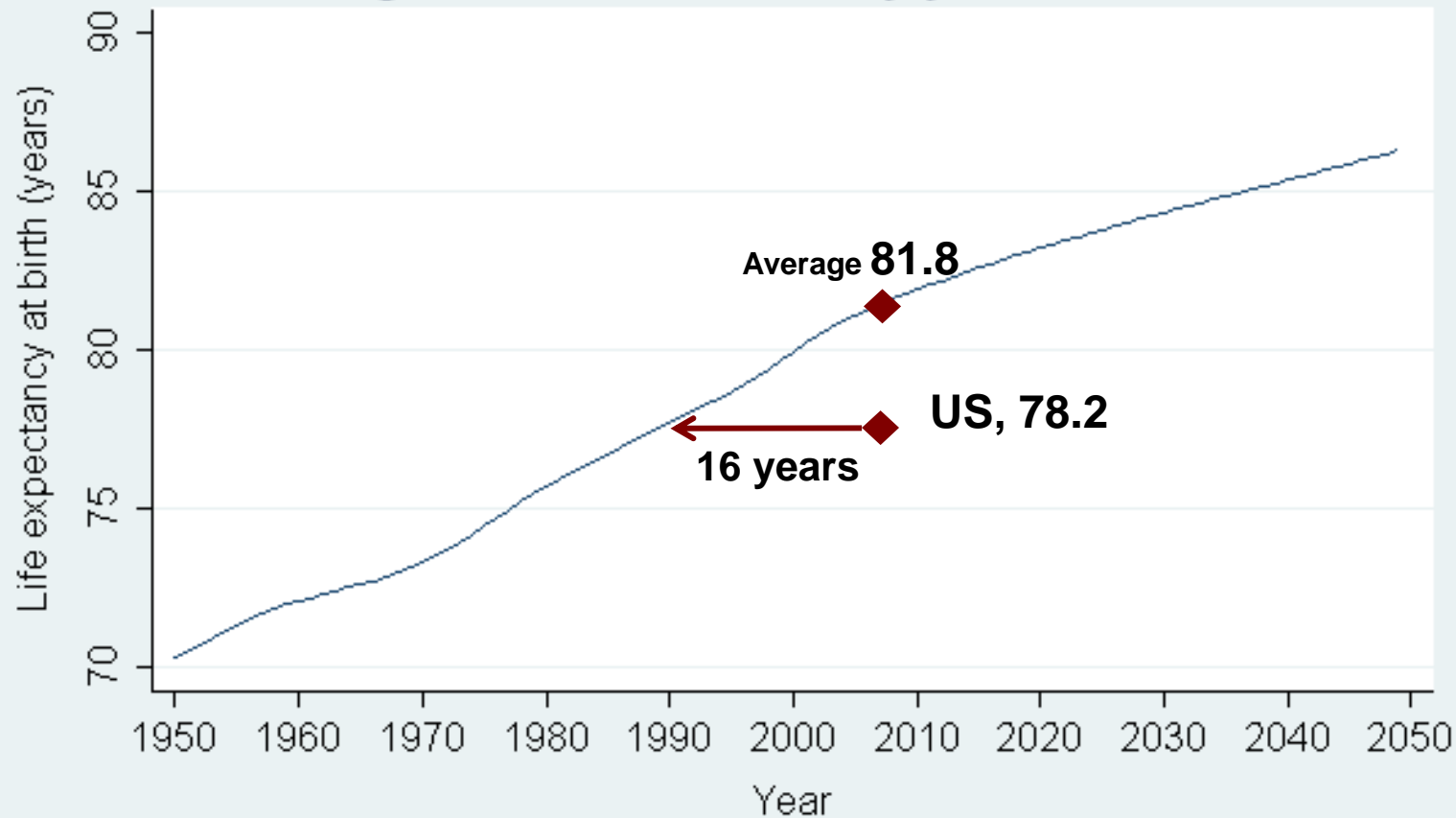


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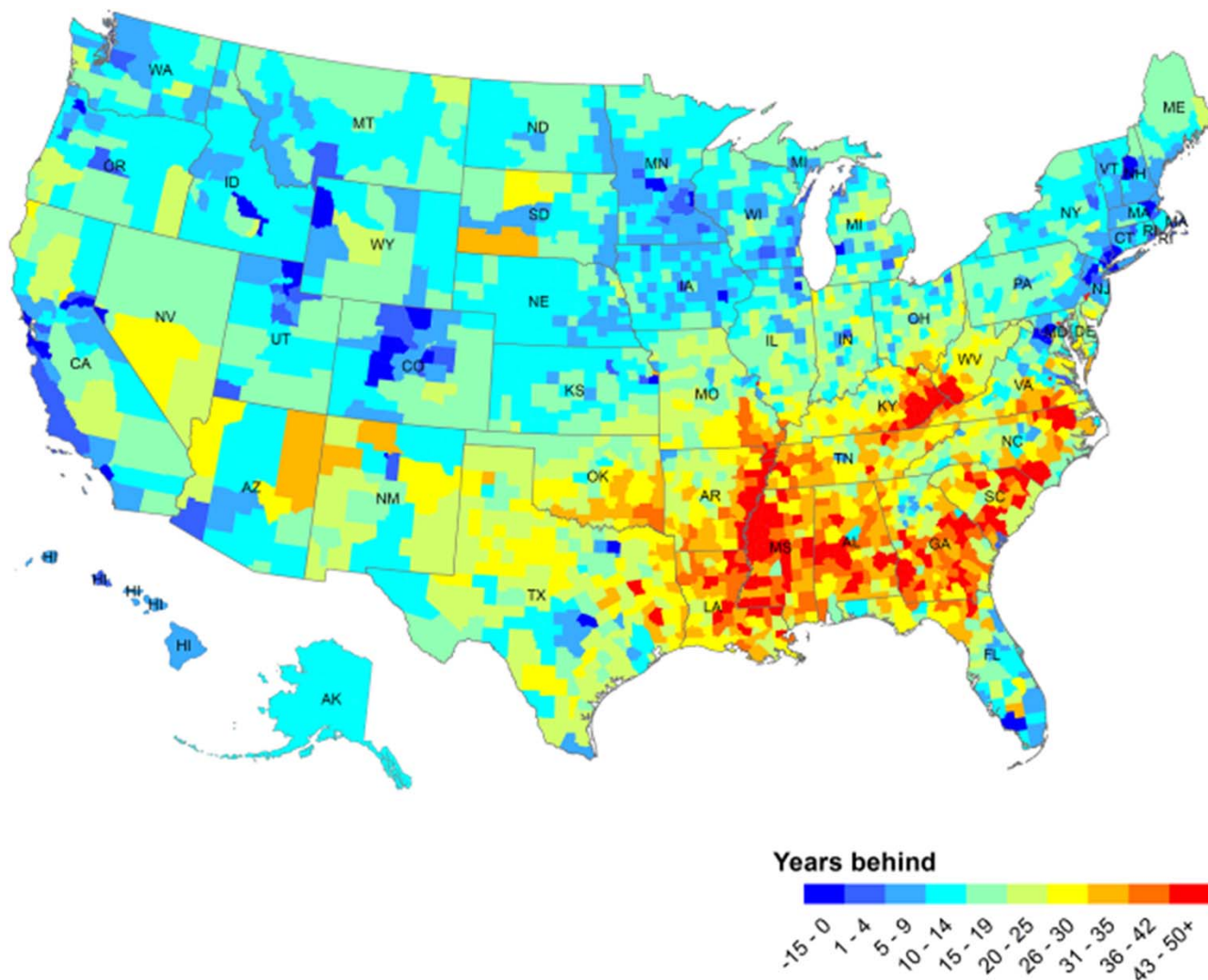
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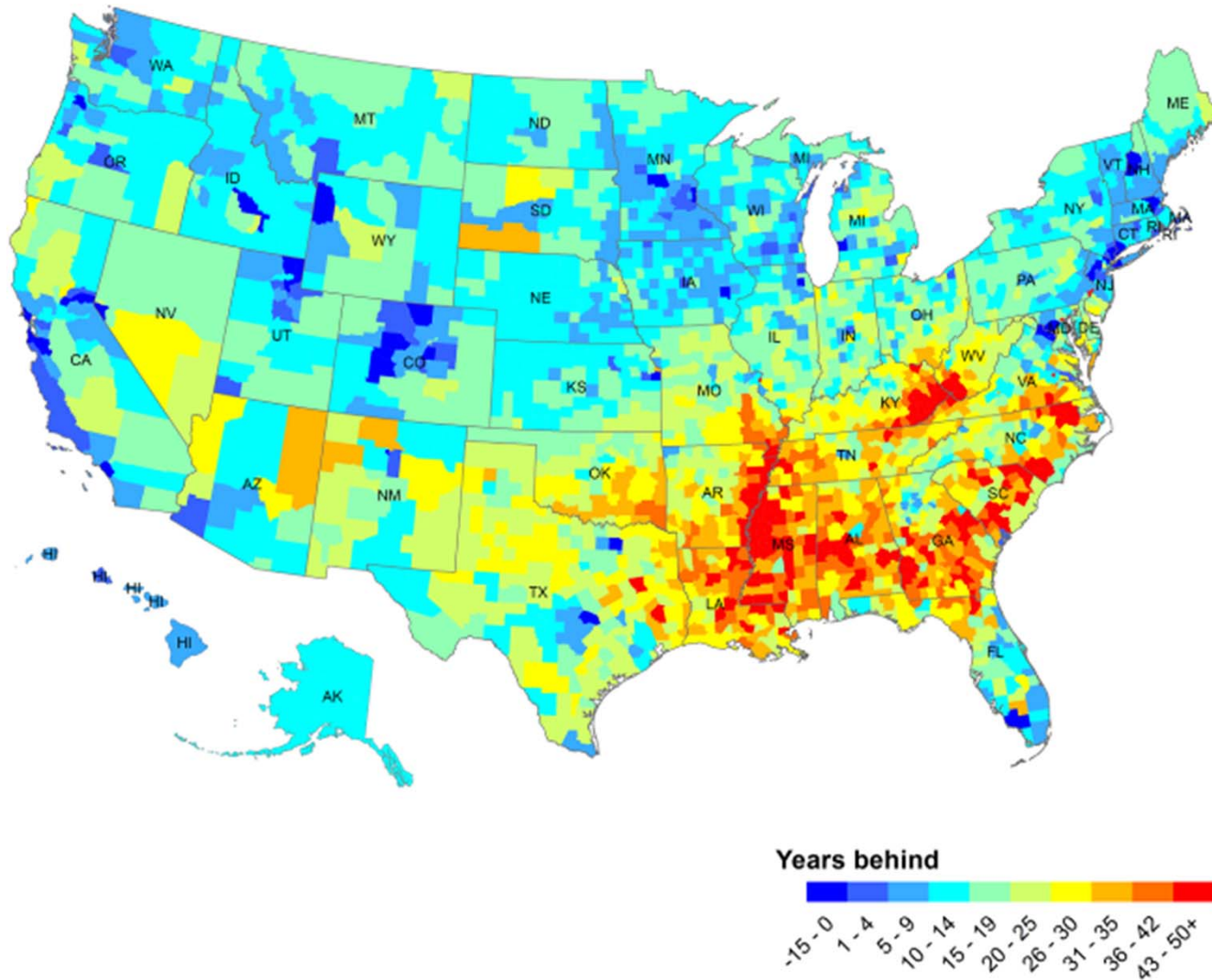
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# Life expectancy, by county, compared to the world's 10 best countries



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# Life Expectancy Compared to the Ten Longest-Lived Countries by Census Tract 2005-2009, King County WA

## Legend

 CITY

## Calendar Years Ahead

 31 to 42

 15 to 30

 1 to 14

## Calendar Years Behind

 Zero to 9

 10 to 23

 24 to 57

 Small population

Years behind or ahead are from 2007.

Data Sources:

International life expectancies: Institute for Health Metrics and Evaluation, University of Washington

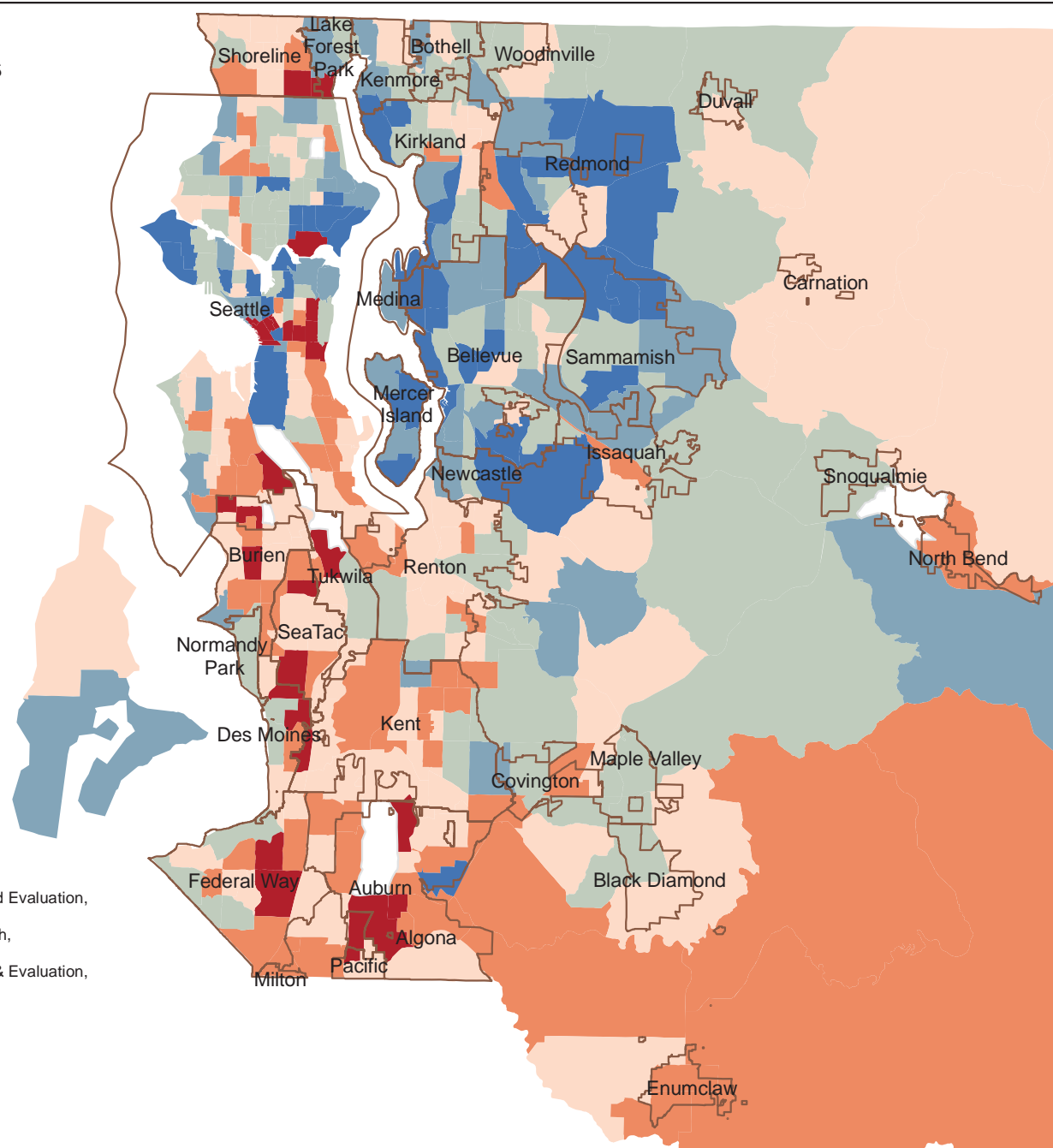
Local life expectancy: Washington State Department of Health, Center for Health Statistics Death Files

Analysis and preparation: Assessment, Policy Development & Evaluation, Public Health – Seattle & King County, 10/2011

Prepared by: Assessment, Policy Development & Evaluation

**Public Health**   
Seattle & King County

Date: 10/11/2011



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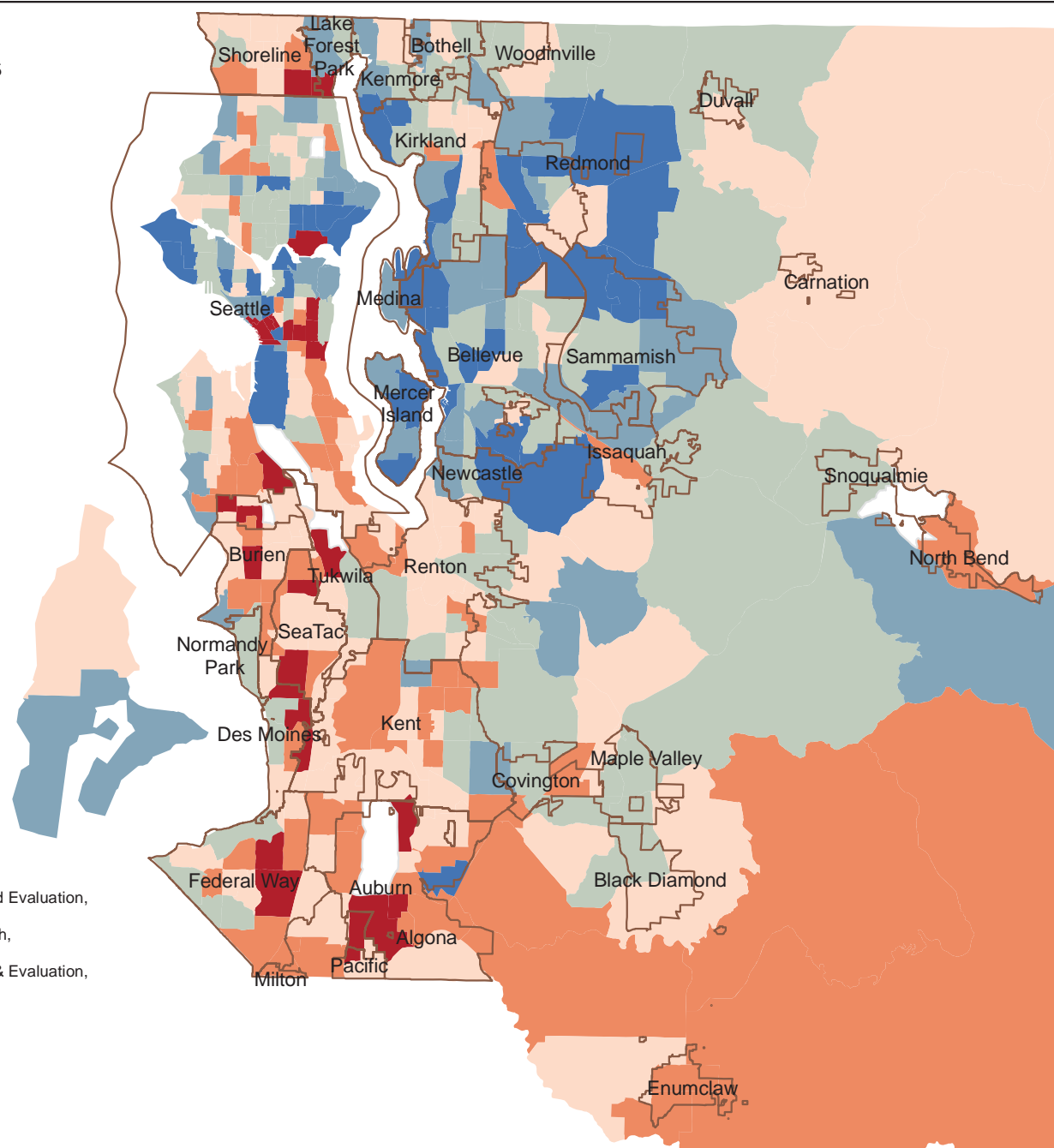
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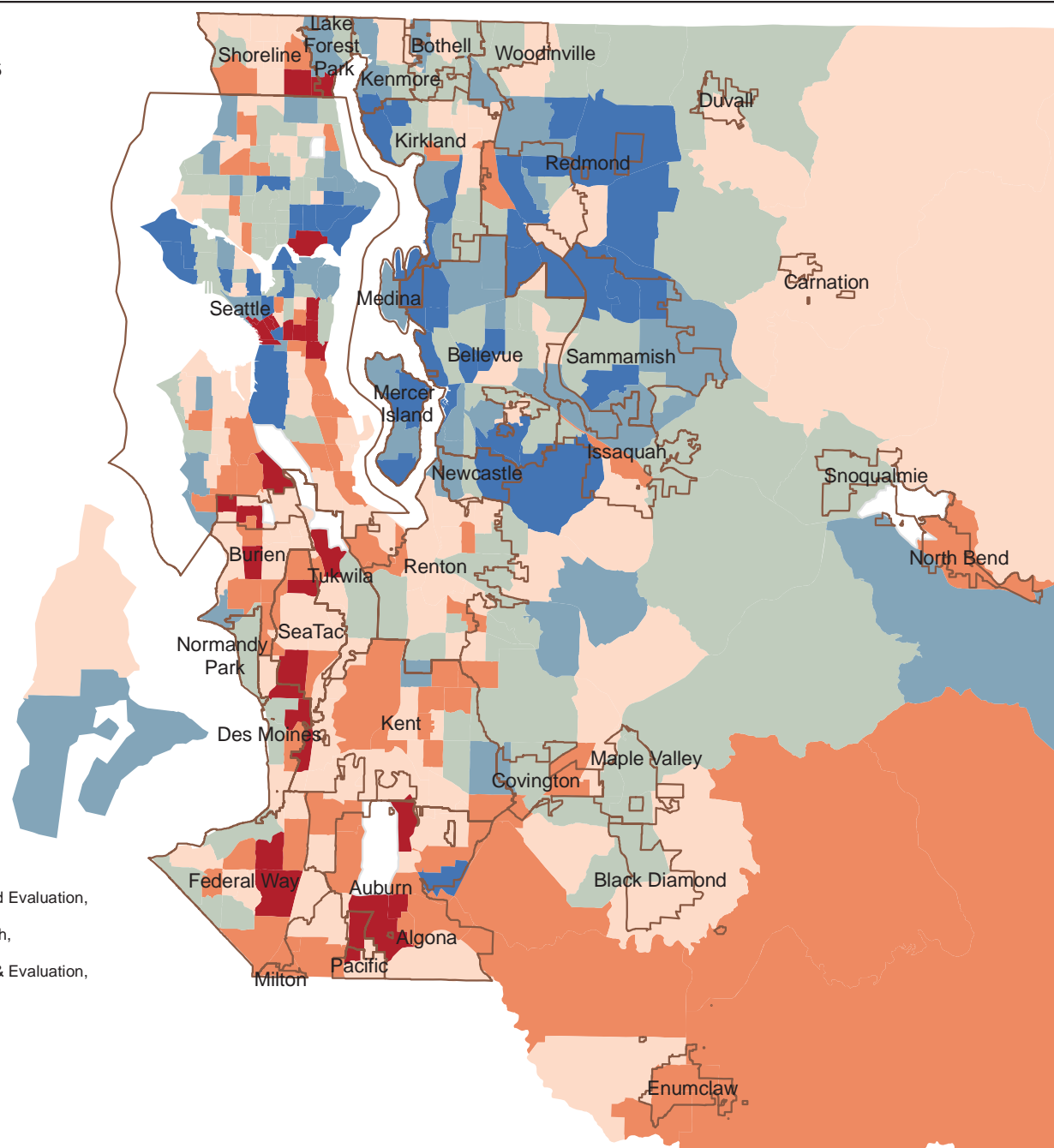
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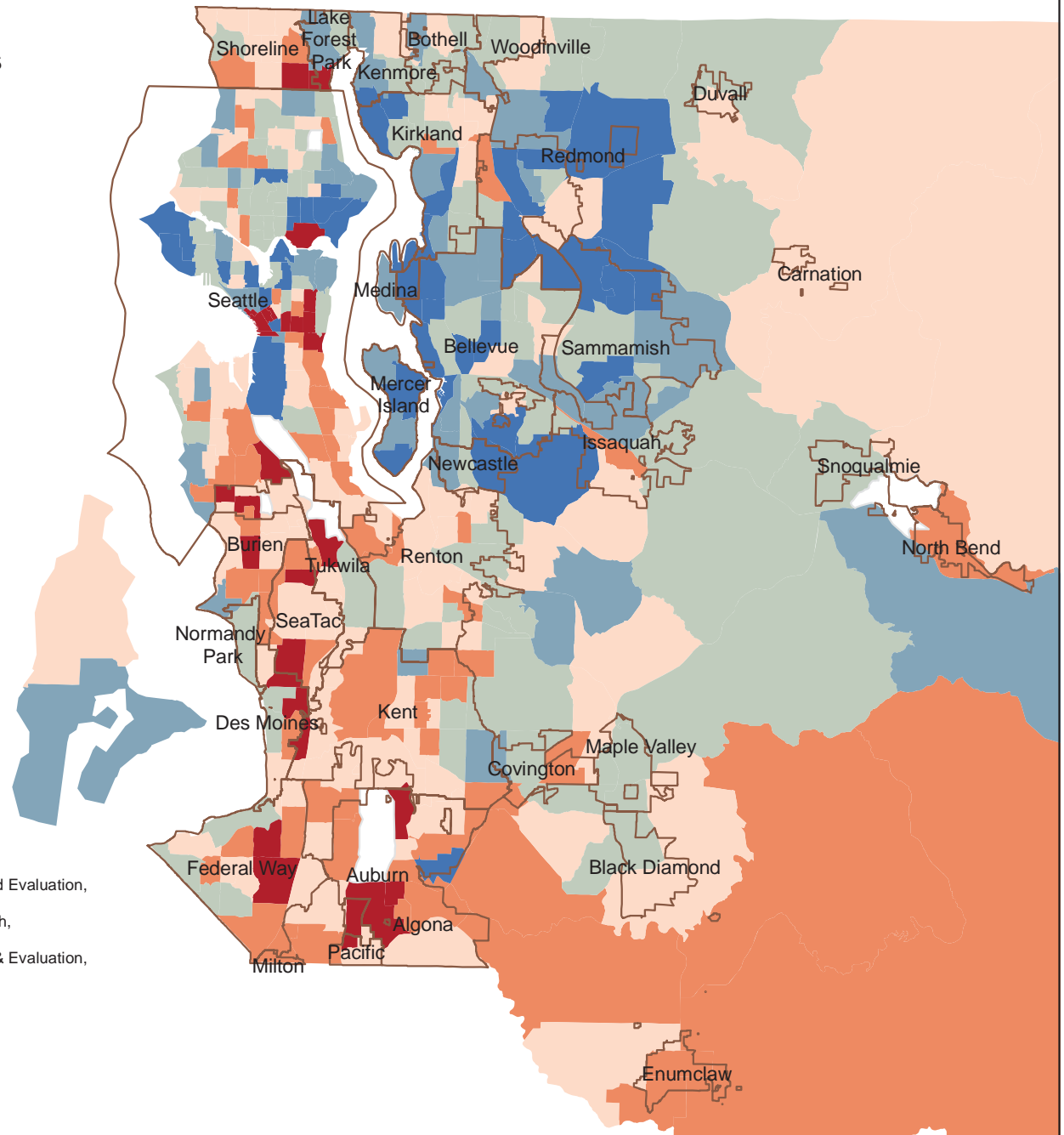
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- “Falling Behind” authors  
<http://www.pophealthmetrics.com/content/9/1/16/abstract>