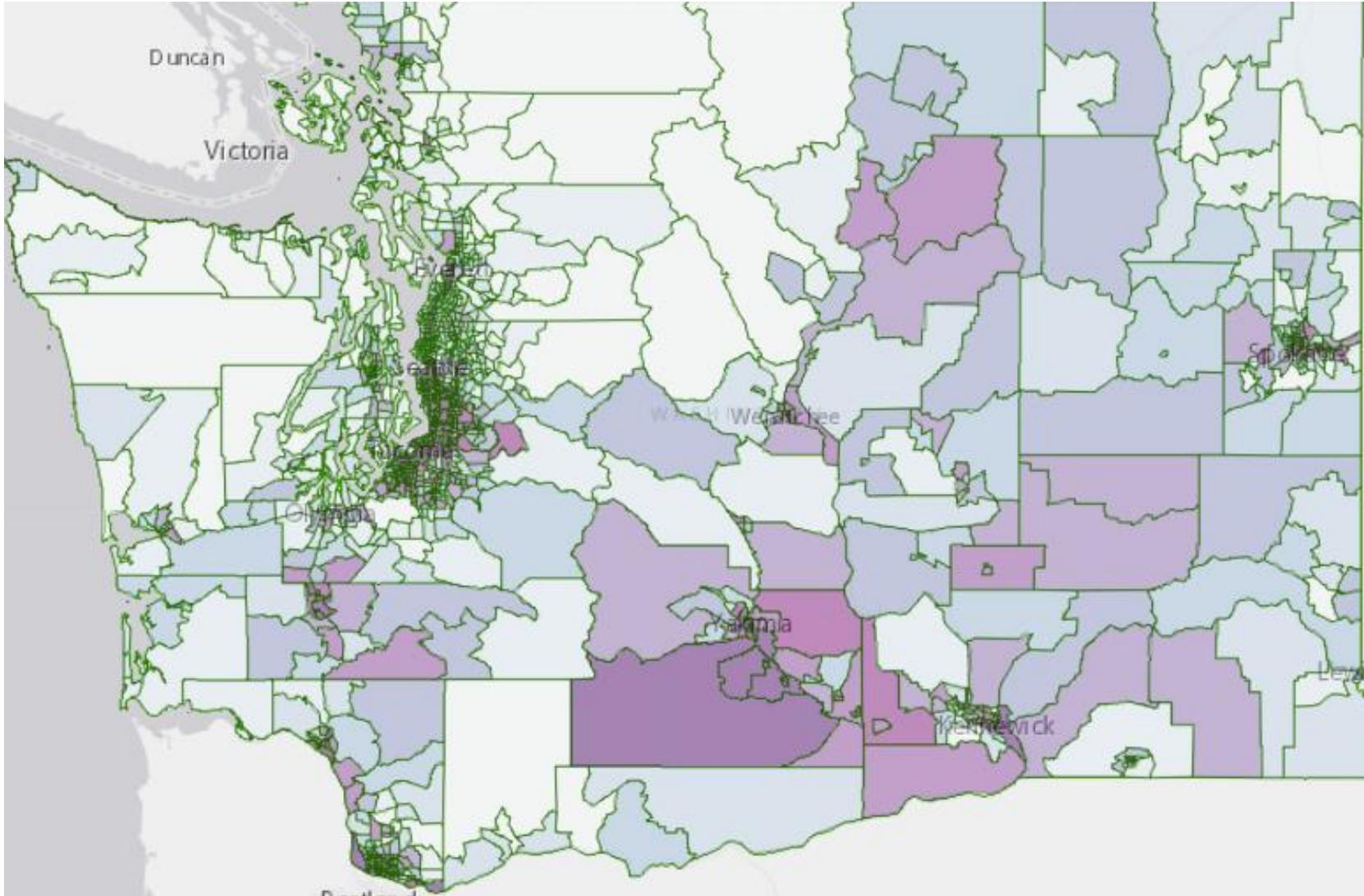




Washington Tracking Network (WTN) Environmental Health Disparities (EHD) Map



Alli Ertl, PhD, MS
June 15, 2022



[WA Environmental Health Disparities \(EHD\) Map](#)

The Indicators

Environmental Exposures

Diesel emissions

Ozone

Particulate matter 2.5 (PM2.5)

Toxic releases from facilities

Traffic density

Environmental Effects

Lead risk and exposure

Proximity to hazardous waste generators and facilities

Proximity to Superfund sites

Proximity to facilities with highly toxic substances

Wastewater discharge

Sensitive Populations

Cardiovascular disease

Low birth weight

Socioeconomic Factors

Low educational attainment

Housing burden

Transportation expense

Linguistic isolation

Poverty

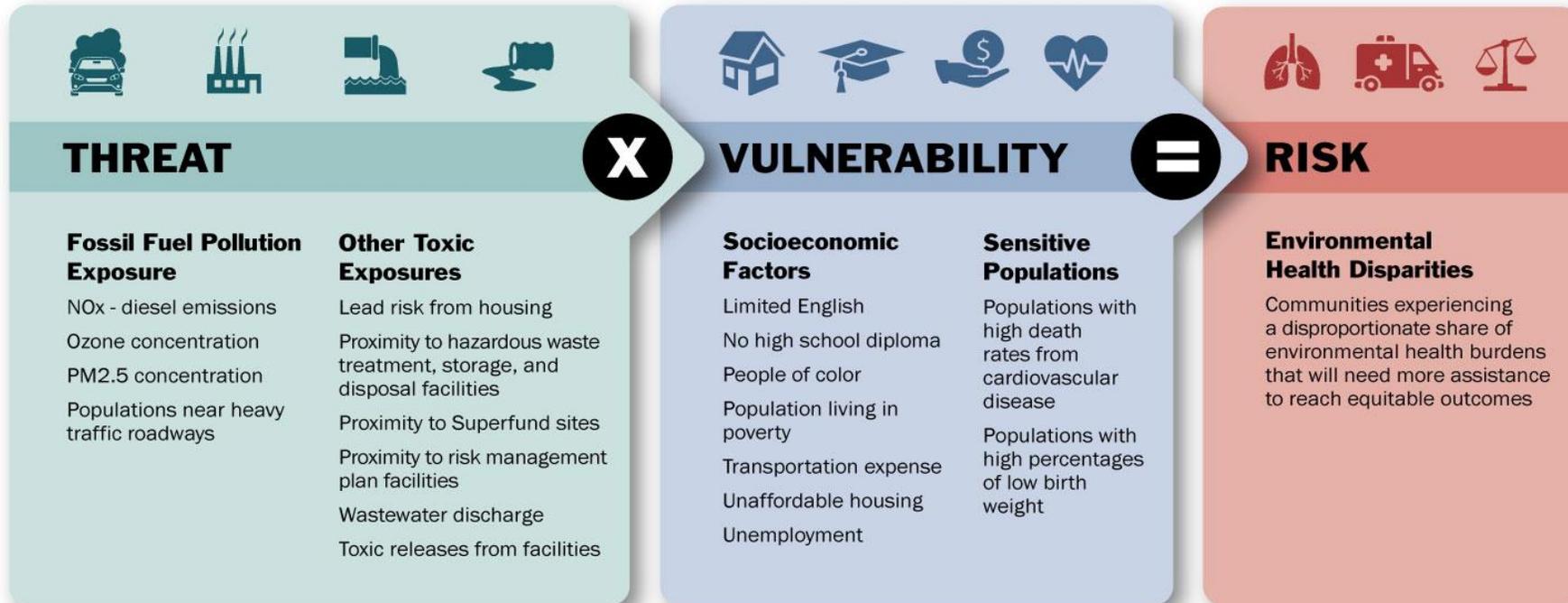
Race (people of color)

Unemployment

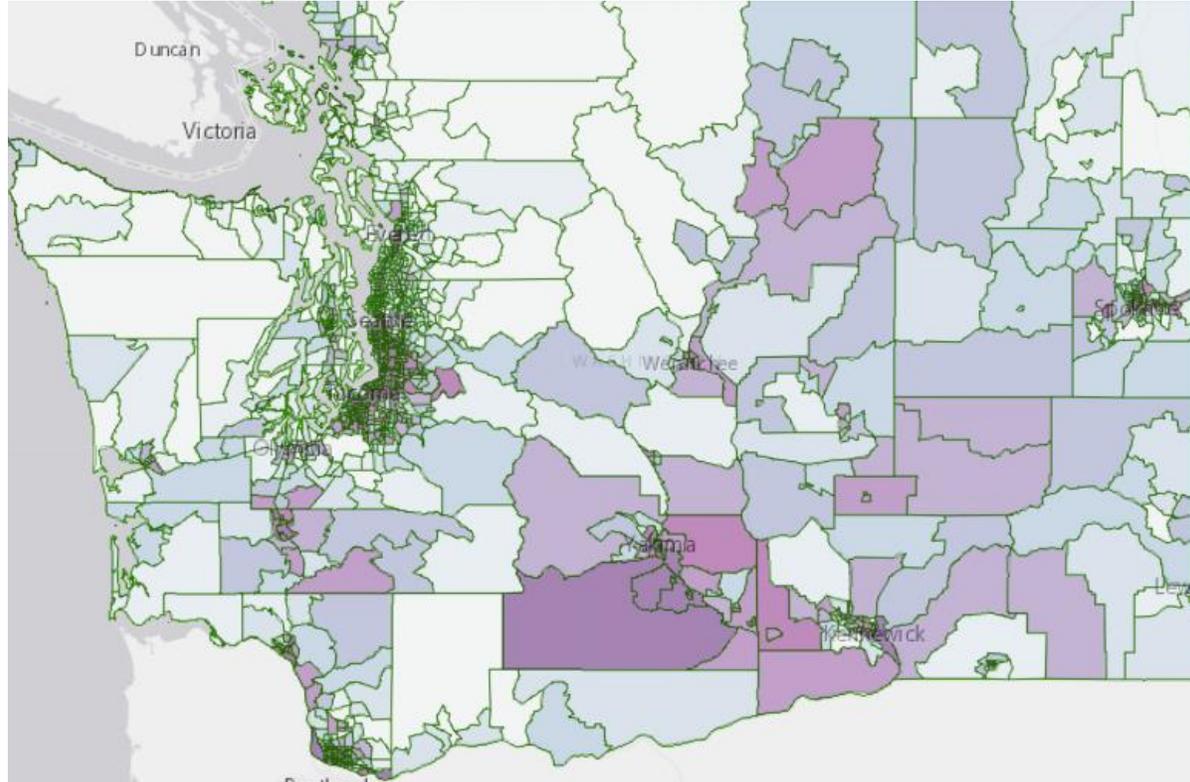
Model for EHD Map

Washington Environmental Health Disparities

$$\text{Threat} \times \text{Vulnerability} = \text{Risk}$$

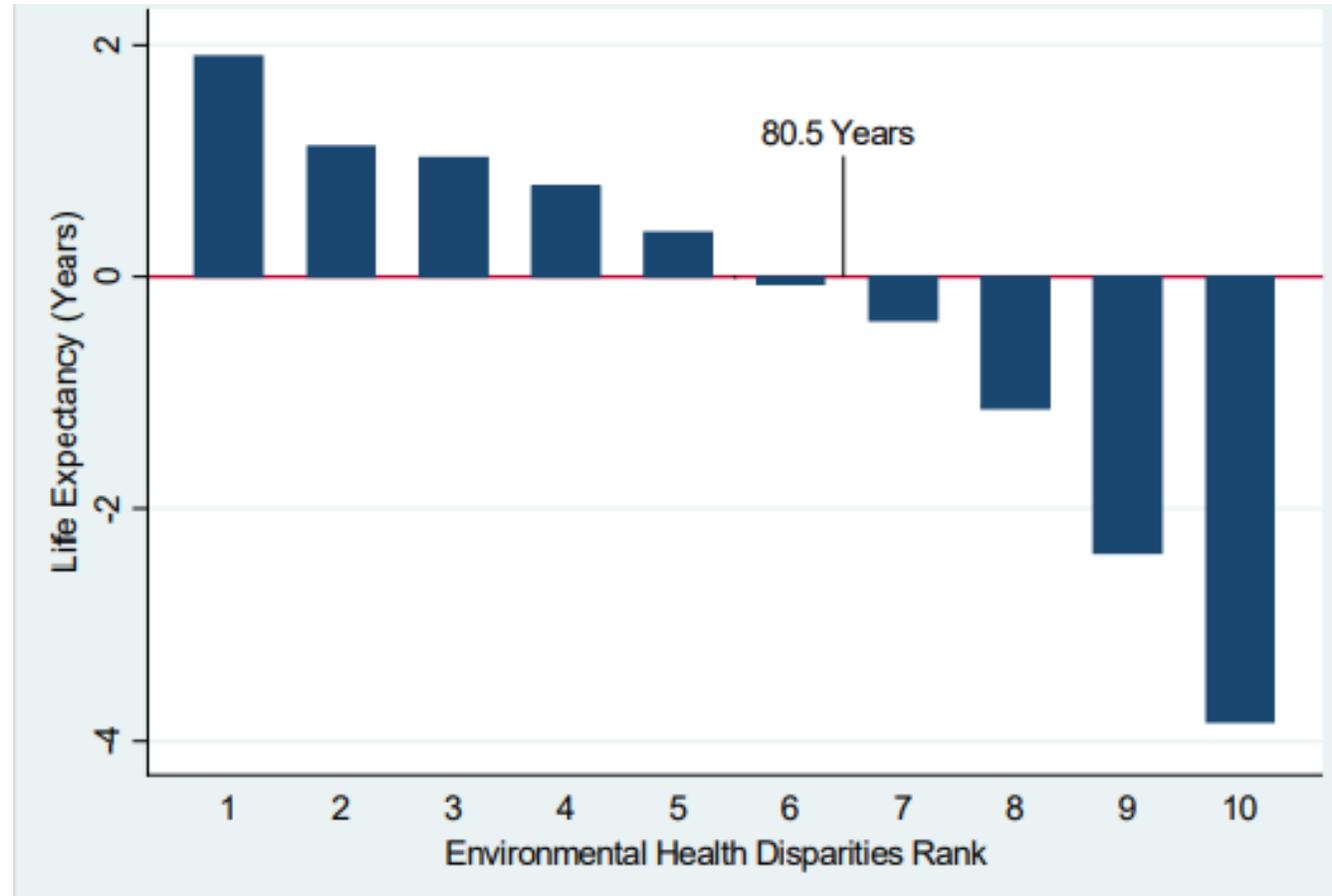


EHD Map Ranking



Least impacted							Most impacted		
1	2	3	4	5	6	7	8	9	10
10% of communities	10% of communities	10% of communities	10% of communities	10% of communities	10% of communities	10% of communities	10% of communities	10% of communities	10% of communities
70% of communities are less impacted							10% of communities are similarly impacted	20% of communities are more impacted	

Addressing Health Inequities



EHD Map and CETA

[CETA Training to Identify Highly Impacted Communities - YouTube](#)

DOH and CETA

[RCW 19.405.140](#) states:

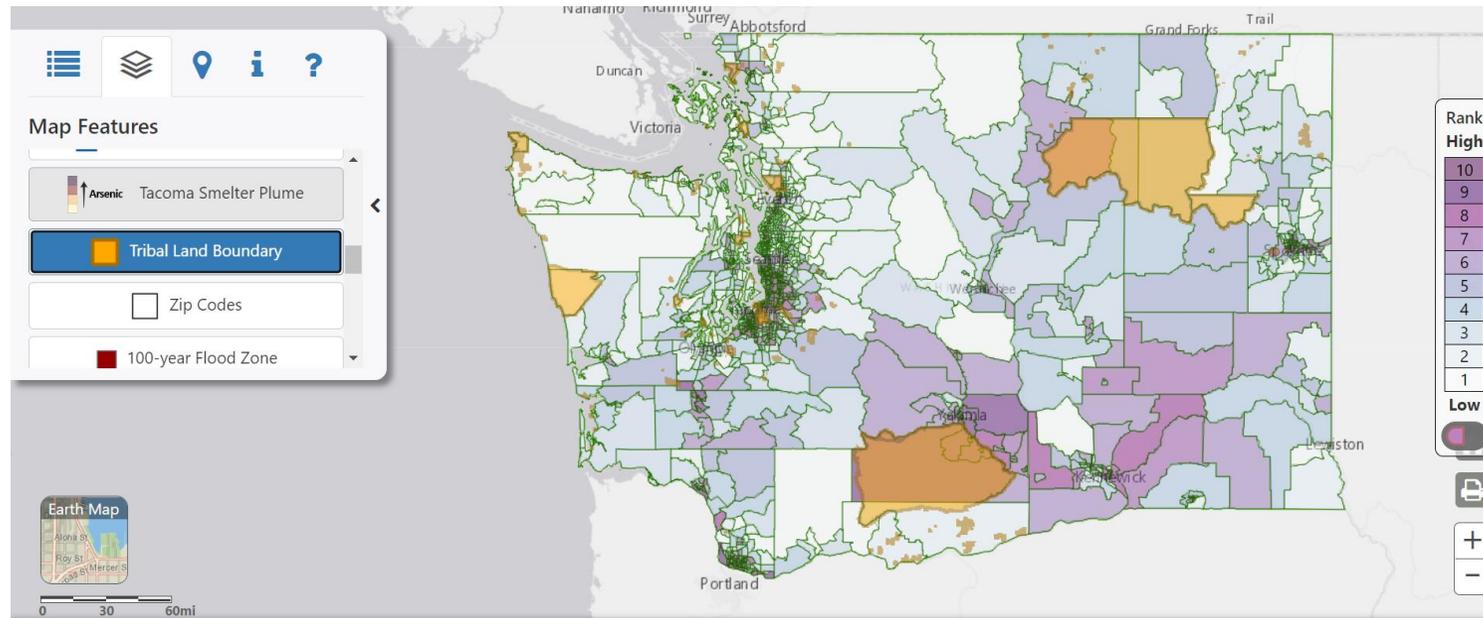
“By December 31, 2020, the department of health must develop a cumulative impact analysis to **designate the communities highly impacted** by fossil fuel pollution and climate change in Washington.

CIA Goal: Highlight communities that are currently experiencing a **disproportionate share of environmental risk factors** of **environmental risk factors** and that must, according to CETA, **benefit equitably** in the transition to clean energy economy.

Definition of Highly Impacted Community

DOH defines a highly impacted community as:

- Any census tracts with a 9 or 10 overall rank on the EHD map, OR
- Any census tract with tribal lands



Instructions for Utilities to Identify Highly Impacted Communities

1. Use the Highly Impacted Communities Data Table

- Download Comma Delimited (CSV) file
- Find 'Electric Utility Company Name' and use the 'Highly Impacted Community (Yes/No)' column to identify whether a community is highly impacted or not
 - "Yes" means that the community is highly impacted. "No" means that the community is not highly impacted.

2. Use the [Environmental Health Disparities](#) map

- Add the utility district by navigating to the Map Features tab
- Zoom in to your coverage area
- Identify census tracts with EHD ranks of 9 or 10 in dark purple
- Identify census tracts including tribal land (in gold) by selecting the tribal land boundary overlay map in the Map Feature tab

QUESTIONS?

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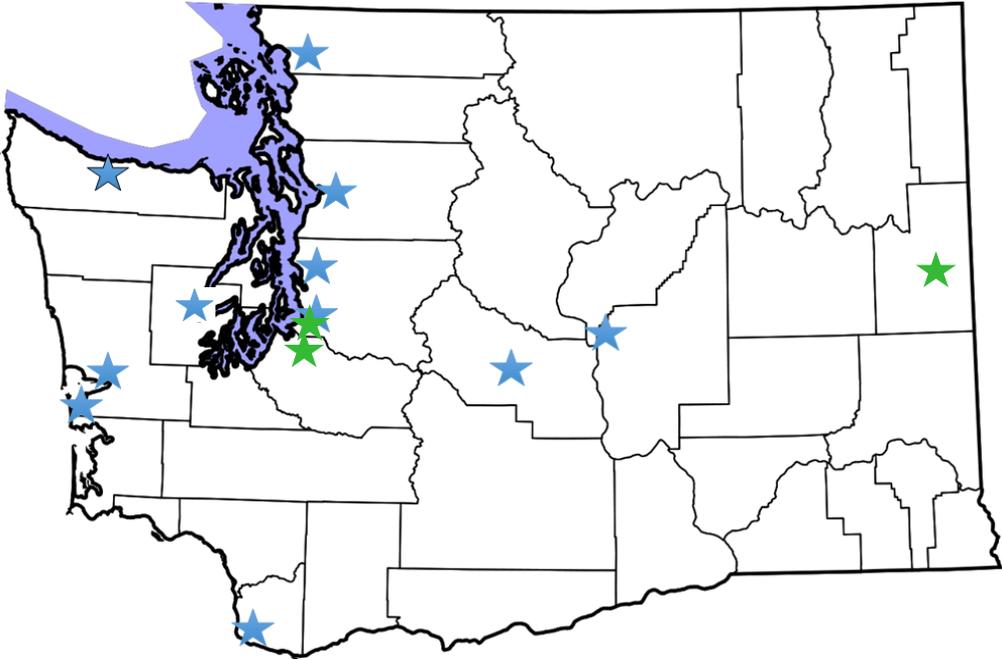
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Listening Sessions & Community Conversations

- Communities of color
- Households with lower incomes
- Immigrants and refugees
- Linguistically isolated groups



★ 2017 Listening Sessions
★ 2020 Community Conversations