



Epidemiology and Informatics Update

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**Epidemiology and Informatics
Program Manager**



Epi and Informatics Team

SHD staff:

- Epi and Informatics Manager (me)
- Eight Epidemiologists (1 Lead, 6 Epi 2, 1 Epi 1)
- One Program Assistant

Of the 10 SHD staff, only 3 have been here longer than June 2023!

Lots of new capacity and expertise onboarded in past two years, building on the solid foundation that was here before.

Epi and Informatics Team

Non-SHD Staff:

- One CSTE Applied Epi Fellow
 - 2 year long competitive fellowship, ends summer 2026
 - Goal is to always host a CSTE fellow and expand to EIS Officers eventually as well
- Four CDC Foundation Workforce Acceleration Initiative staff
 - Employed by CDC Foundation, working remotely for SHD on informatics projects, funded through June 2026

Funding

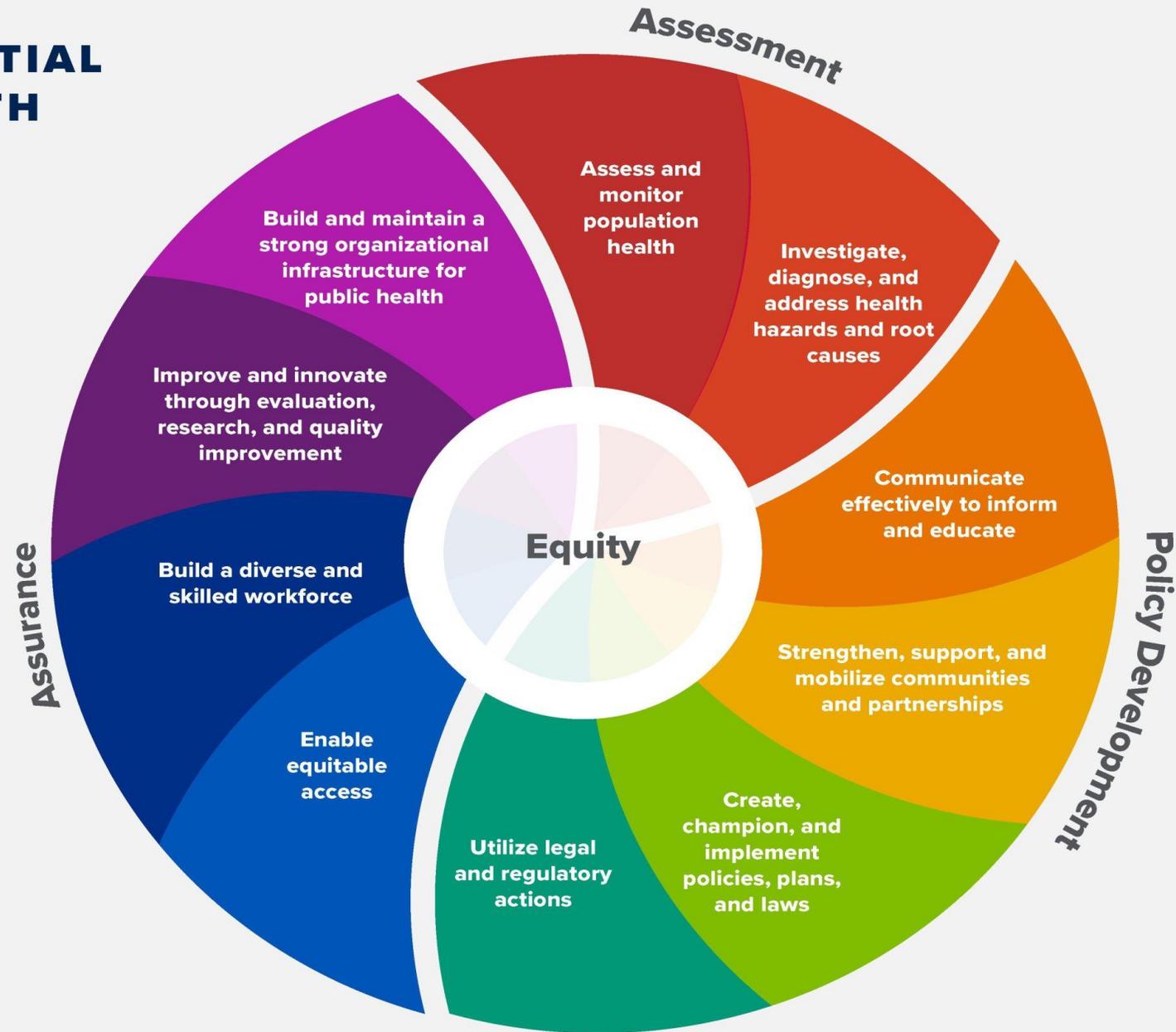
- Federal grants
 - Overdose to Action (OD2A)
 - Emerging Infections Program (EIP)
 - Elevated childhood blood lead
- FPHS funding (state)
 - CD Data
 - MCH Data
 - CHA/CHIP
- Other funds:
 - Opioid settlement funds
 - County general funds
 - Chemical dependency mental health (CDMH)
 - MCH block grant (pass through from state)
 - ConCon (state)

Always looking to diversify our funding. . . .

THE 10 ESSENTIAL PUBLIC HEALTH SERVICES

To protect and promote the health of all people in all communities

The 10 Essential Public Health Services provide a framework for public health to protect and promote the health of all people in all communities. To achieve optimal health for all, the Essential Public Health Services actively promote policies, systems, and services that enable good health and seek to remove obstacles and systemic and structural barriers, such as poverty, racism, gender discrimination, and other forms of oppression, that have resulted in health inequities. Everyone should have a fair and just opportunity to achieve good health and well-being.

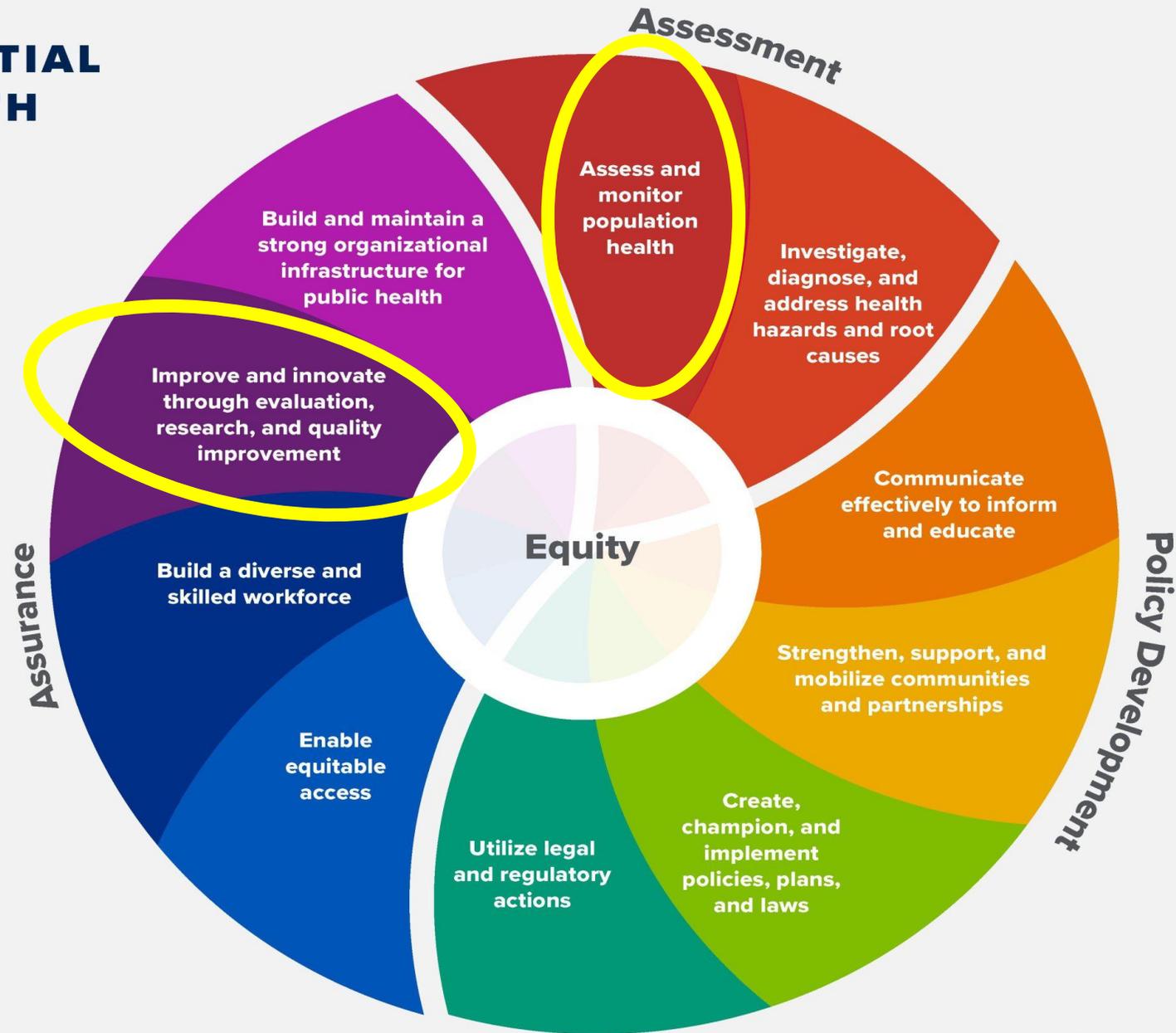


Created 2020

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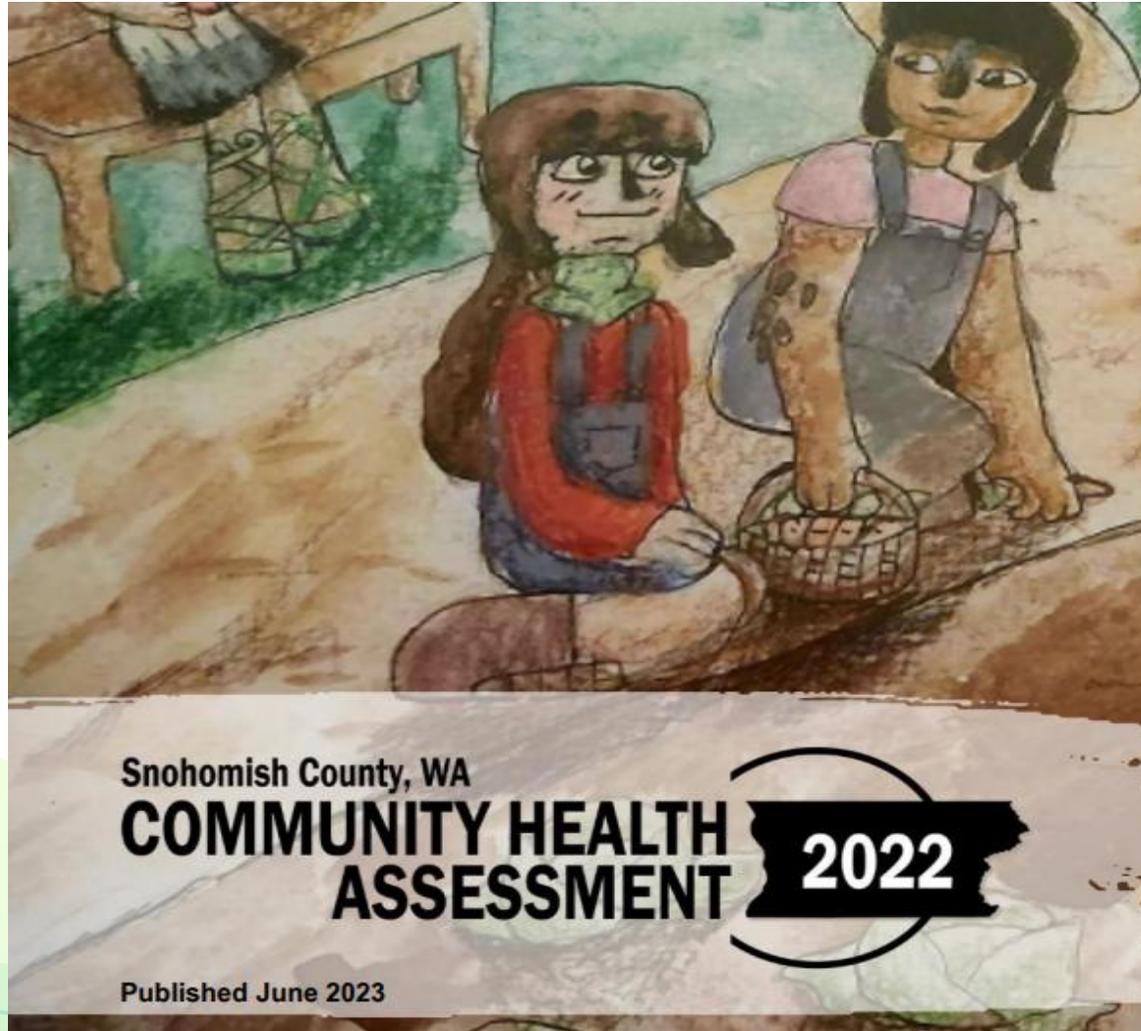


Created 2020

Epidemiology

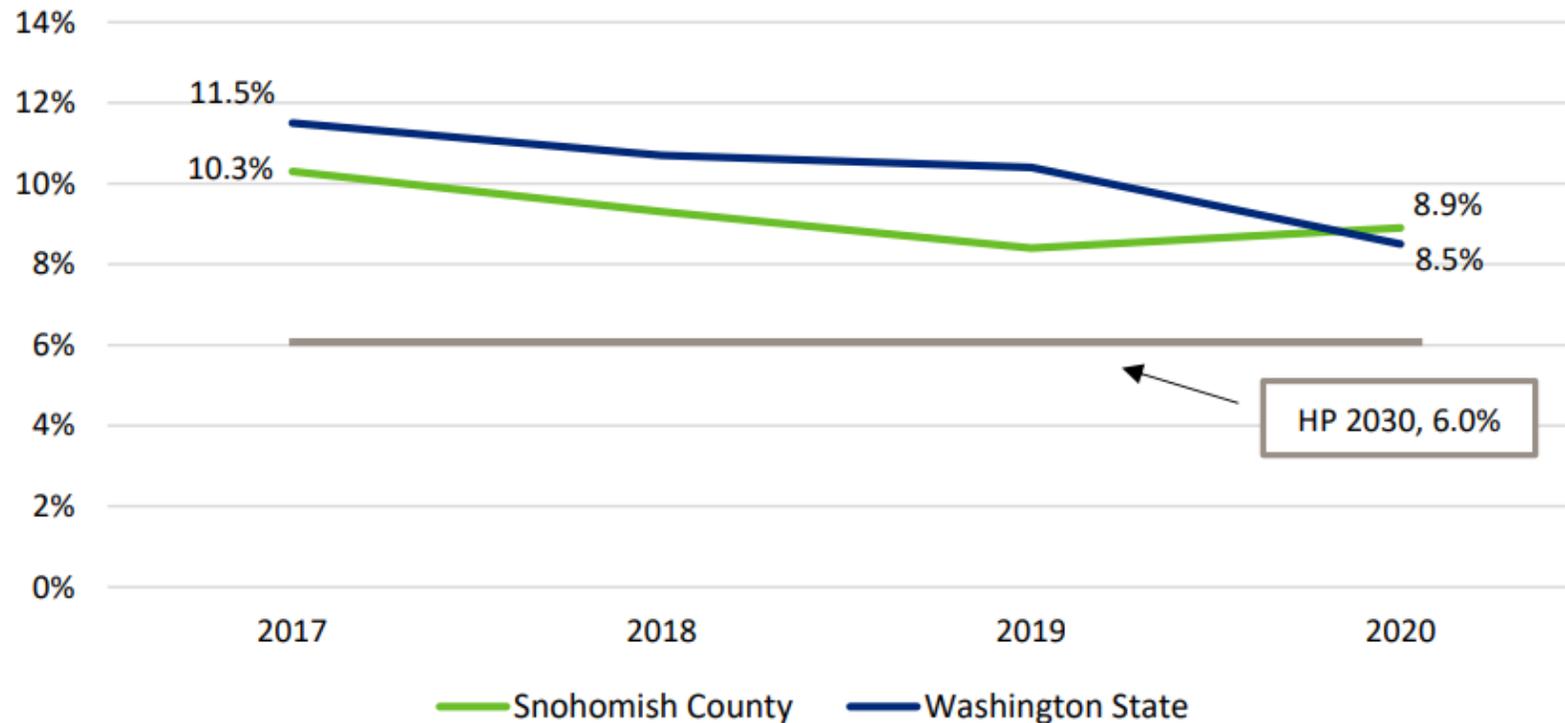
- What health concerns and areas of strength exist in the county?
 - How do we know?
 - Are certain populations most impacted?
 - Need to know what the issues really are, so we can determine how to address them
- Need data!

Community Health Assessment



Community Health Assessment

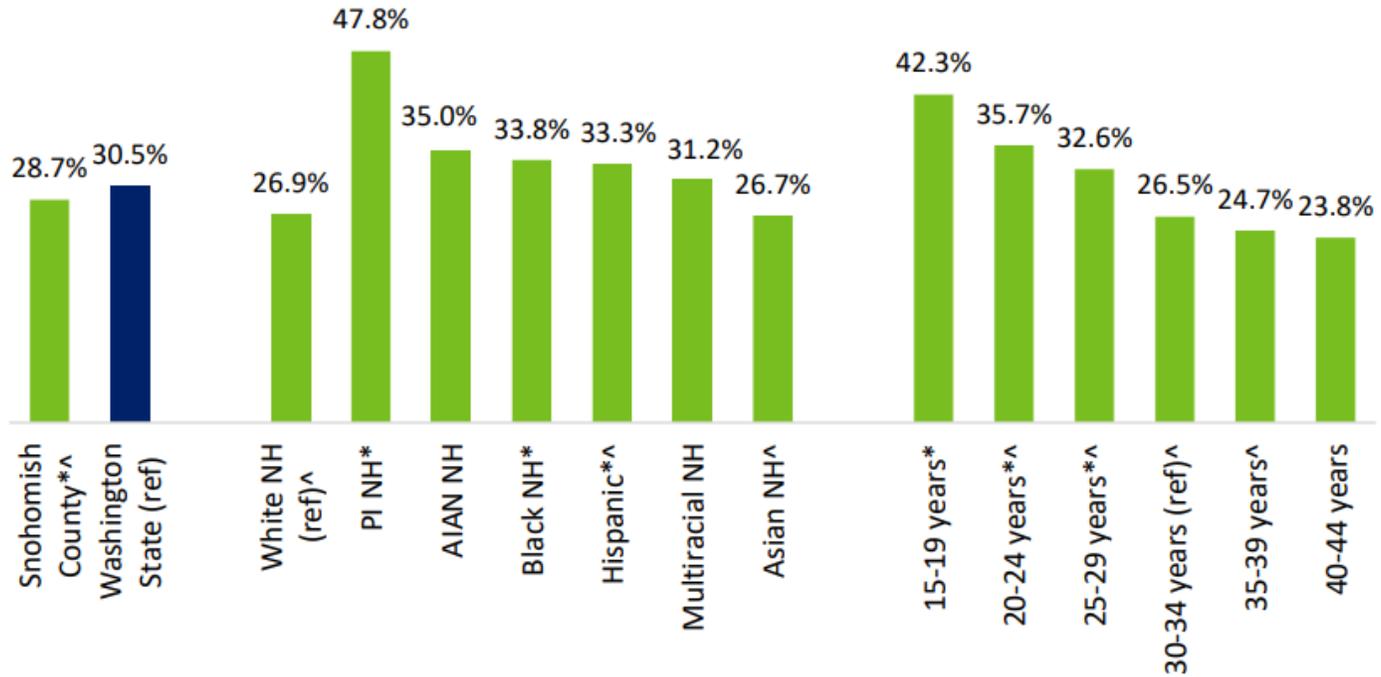
Figure 15.1: Percent of food-insecure population in Snohomish County and Washington State, 2017-2020



Source: Feeding America, Map the Meal Gap, food insecurity map, 2017-2020

Community Health Assessment

Figure 13.6: Percent of women in Snohomish County who received inadequate prenatal care by demographic characteristics, 2021



* Indicates statistically significant difference compared to reference group (ref)

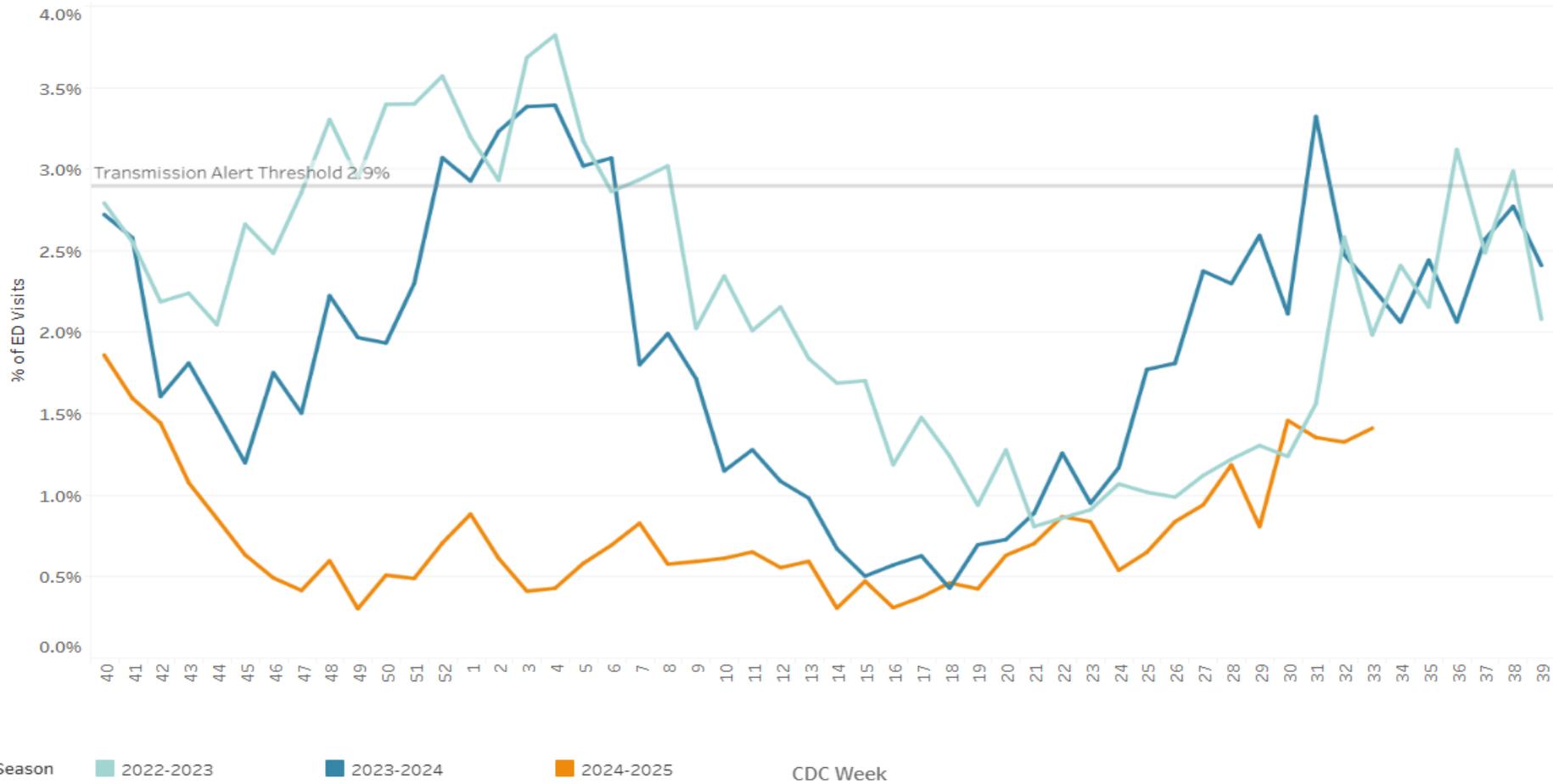
^ Indicates statistically significant decrease compared to previous data year

Source: WA DOH CHAT, Center for Health Statistics Birth Certificate Data, 2021

RESPIRATORY ILLNESS DASHBOARDS



Percent of Emergency Department for COVID-19



SNOHOMISH OVERDOSE PREVENTION

A COMMUNITY COMING TOGETHER TO STOP
SNOHOMISH COUNTY'S OPIOID EPIDEMIC

[Learn +](#)

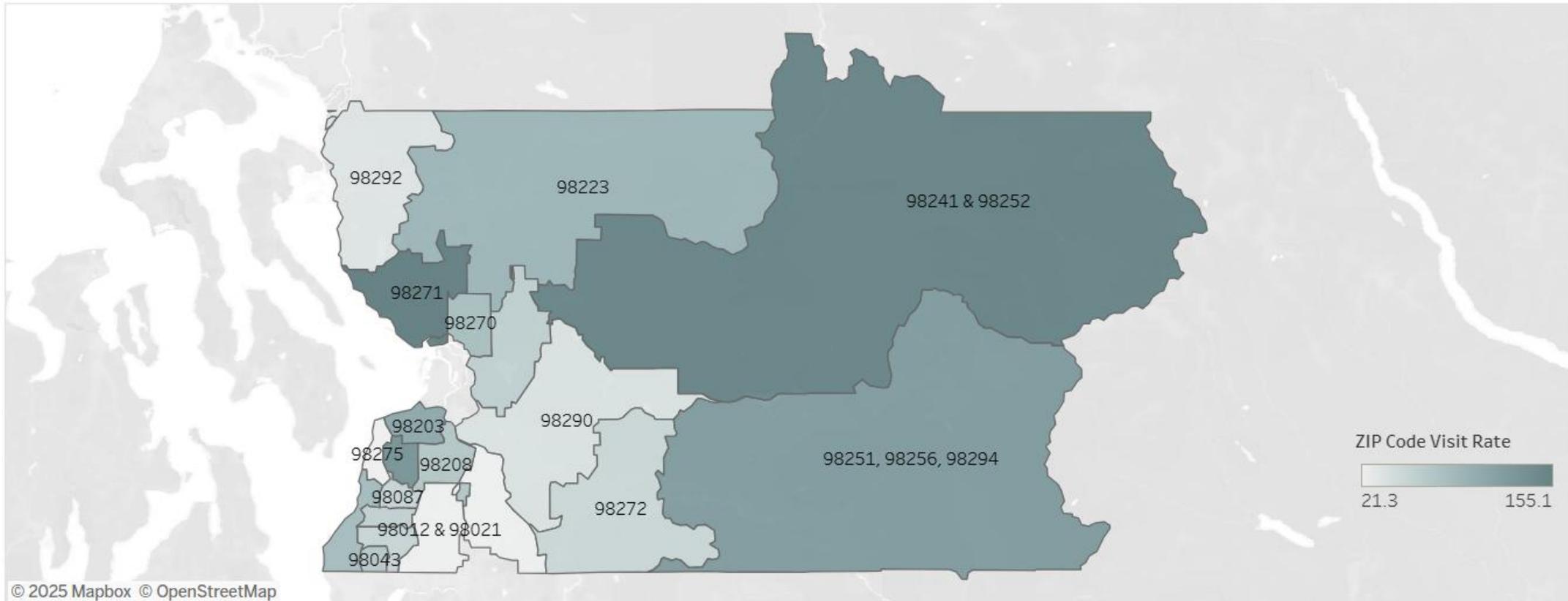
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Opioid Overdose Emergency Department Visit Rate
Per 100,000 Population, January 2021 - June 2025



Informatics

- Do we have the data we need?
 - What data do we actually have? (Data inventory)
- Are data in a format that is usable?
 - The data are in there, but we can't get them out again?
- Do the data systems talk to each other?
 - Double data entry?
 - Battling the computer systems?

Data Inventory

A systematic and comprehensive catalog of an organization's data assets.

Includes information about data sources, types, formats, locations, ownership, usage, and more.

Acts as a central repository for understanding and managing data effectively.

SHD's Data Inventory will focus solely on data that is applicable to improving the health of Snohomish County residents

Data Inventory: A Foundation for Informed Decisions

Insight to Patagonia Transition

- Electronic Medical Record transition (Insight to Patagonia)
- CDC Foundation staff helping (in partnership with County IT) to ensure that all relevant data in Insight are available still
- Huge lift by Informatics Epi at SHD

Accessing New Data Sources

Washington State All Payer Claims Database (WA-APCD)

The Washington State All Payer Claims Database (WA-APCD) is a tool used to collect health care claims data for reporting, analytics, and to help the public make their health care decisions. It supports health care and payment reform while addressing the need for cost, quality, and utilization transparency. Using the WA-APCD, Washington State can help to advance medicine and public health.

[Washington State All Payer Claims Database \(WA-APCD\) | Washington State Health Care Authority](#)

Academic Partnerships

- Hosted 2 UW MPH Practicum students summer 2024
- Hosting 2 UW MPH students right now!
- Ongoing plans to host additional students and strengthen partnerships with academic partners

Leading Public Health Work Locally and Nationally

- WSALPHO leadership
 - Chair *and* Membership Coordinator for WSALPHO Assessment Committee
- Members of national invite-only workgroups
 - NACCHO Informatics Workgroup and Injury and Violence Workgroup
- Members of DOH Technical Advisory Groups for population surveys
- Active in CSTE, WSPHA, WSALPHO, NACCHO
- Presenting at local, state and national conferences and preparing manuscripts for submission to advance epidemiologic knowledge
- Growing connections within the county too, such as with Human Services, to ensure Snohomish residents benefit from a coordinated local health approach
- Overall goal: To do our part to make Snohomish County the best place to live, work, learn, recreate and grow

Questions?

The background features several decorative elements: a dark teal wavy line at the top, a light green wavy line below it, and a large, light green wavy shape at the bottom left. There are also some faint, overlapping wavy lines in shades of green and blue.