

Solutions in Health Analytics for Rural Equity Across the Northwest

The Problem

Decision-making in rural public health faces gaps in access to data to identify ways to support health equity among rural populations because of:

- lack of access to quality data to understand communities' needs
- lack of access to data that includes marginalized and underserved populations

Harris et al. The Double Disparity Facing Rural Local Health Departments. Annual Review of Public Health. 2016.

These data gaps reduce rural public health's capacity to make data-driven decisions to support equitable health

The Need

Facilitate rural public health's access to & use of data to support health equity

SHARE-NW: Solutions in Health Analytics for Rural Equity across the NW

5-year, user-centered project along with rural public health agency leaders and data users

Goal: Identify, gather, and visualize data to support rural public health agencies and leaders to more effectively understand and address inequities in Washington, Oregon, Idaho, Alaska

Final product: a website that

- ✓ Supports access to data on health outcomes and social determinants of health (SDOH)
- ✓ Provides visualizations of data to facilitate understanding of SODH in their community that could impact health equity
- ✓ Provides training opportunities on data use and equity to support data-driven decision-making

What have we done?



See our data capacity work in JAMIA's special issue on equity

Evaluated dashboard mockups with rural health end-users across 4 states in-person and via videoconference

Northwest Center for Public Health Practice UNIVERSITY of WASHINGTON SCHOOL OF PUBLIC HEALTH		SHARE-NW Solutions for Health and Rural Equity in the Northwest		
	GOAL 1 MAKE DATA AVAILABLE	GOAL 2 MAKE DATA ACCESSIBLE	GOAL 3 BUILD CAPACITY	
2017-2018 YEAR 1	IDENTIFY Capacity gaps for data-driven decision-making	ASSESS Use of data visualizations	TRAIN At least 72 public health personnel in data-driven decision-making	
2018-2019 YEAR 2	OBTAIN Data for 6 priority public health areas	DEVELOP Interactive dashboard mock-up	IDENTIFY Existing training & TA for addressing rural health disparities	
2019-2020 YEAR 3	CREATE 6 linked datasets	DEVELOP & test functional dashboard	PROMOTE & bundle existing training & TA for addressing rural health disparities	
2020-2021 YEAR 4	IDENTIFY 3-6 modifiable barriers to data use	DEVELOP Strategy for dashboard sustainability & expand usability testing	TRAIN In-person on using dashboard for data use in decision-making	
2021-2022 YEAR 5	OBTAIN Additional data on social determinants of health and administration	IMPLEMENT Dashboard & evaluate dashboard utility	TRAIN And offer TA through learning communities and prioritization matrix	

Organizing data from dispersed datasets into health priorities to build & test usability of dashboard

Finding, evaluating, & grouping existing online trainings

Where are we now?

