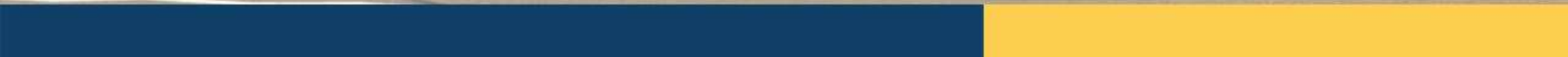We Are Public Health

LTBI Management
Yakima County

Tanya Britt, BSN, RN

Public Health Nurse II

Yakima Health District

Yakima County Quick Facts

- Majority-minority area (51.8% Hispanic or Latin(o/a/x)

- 2022 Population estimate: 257,001 Population/square mile: 59.8 vs. 93.8 nationally

- Land Area: 4,294.5 square miles

- Individuals under age 65 years without health insurance: 14.8% vs. 9.8% nationally

   (United States Census Bureau, 2022)

- Yakima is ranked as one of the least healthy counties in Washington State

- #35/39 counties in Washington

- 1540:1 population to physician ratio

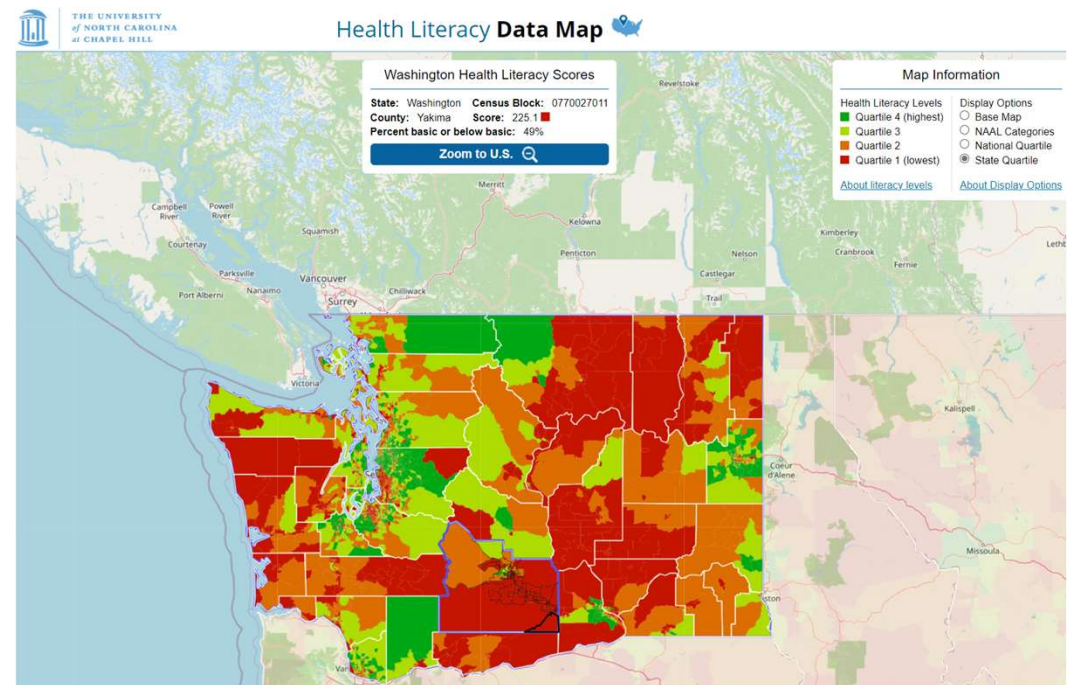*(County Health Rankings & Roadmaps, 2023)*

- Designated as both a Health Professional Shortage Area (HPSA) and Medically Underserved Area (MUA)

   (Health Resources & Services Administration, n.d.)

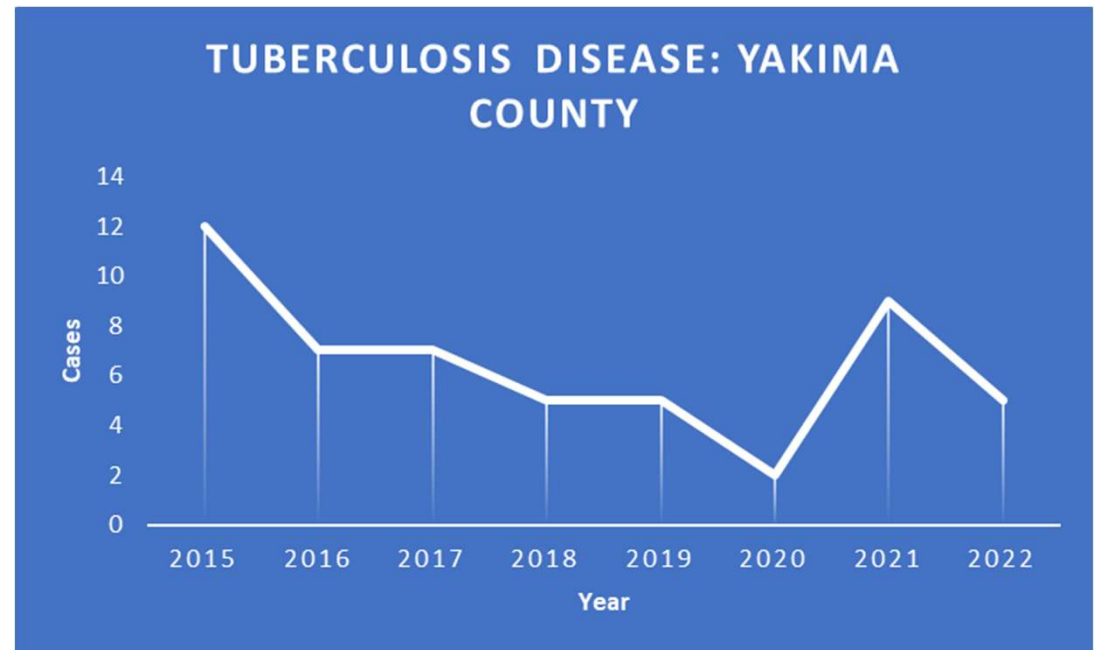# Challenges for Public Health in Yakima County

- Low health literacy levels

- Language barriers

- Distrust of perceived authority
  - Government
  - Medical system

- Fear
  - Cost
  - Immigration status

- How are these issues addressed?

Note. Interactive map displaying health literacy levels of residents of Washington State. Adapted from The University of North Carolina at Chapel Hill, 2014, Health Literacy Data Map: Washington Health Literacy Scores. Retrieved June 8, 2023, from http://healthliteracymap.unc.edu/#

TB Disease in Yakima County

- 5-10 cases year
- Demographics
  - Persons born outside of the U.S.
  - American Indian/Alaska Native
  - Age 65 years and over

TUBERCULOSIS DISEASE: YAKIMA COUNTY

Cases (y-axis: 0, 2, 4, 6, 8, 10, 12, 14) vs Year (2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022)

LTBI Management

- **Who do we Test?**
  - ➢ Close contacts
  - ➢ Class B new arrivers

- **Who do We Treat?**
  - ➢ Close contacts
  - ➢ Class B new arrivers
  - ➢ High risk individuals (window treatment)

Tuberculosis Patient Summary

Patient's Name:

Birthdate: PPD Results:

Date:

Original Diagnosis:

Treatment:

From: To:

Drugs Used:
- ☐ INH   ☐ EMB   ☐ RIF
- ☐ SM   ☐ Other

Sputum: ☐ Micro

Negative   ☐ Culture

Since:

Last x-ray date: ☐ Essentially negative

Date: ☐ TB stable

Discharged: ☐ Yes   ☐ No

Signature:

YAKIMA HEALTH DISTRICT

What about Other LTBI Cases?

- Provider consults
  - ➢ Review LTBI work up
  - ➢ Review history
  - ➢ Send LTBI treatment recommendations
  - ➢ Send list of LTBI treatment regimens
- Provider outreach
  - ➢ Quality and safety improvement project

Engagement

- Provider Education

  ➤ Identifying patients at high risk of infection/disease

  ➤ Standard protocol for TB testing/reporting

  ➤ Treatment options

  ➤ Review risks and benefits to treatment and non-treatment

- Patient Education

  ➤ Multiple forms of education

  ➤ Education in native language

    – helps build relationship/trust

  ➤ Culturally appropriate

  ➤ Identify values and goals

  ➤ Review risks and benefits to treatment and non-treatment

Memorable Case

Grandfather

Grandson-in-law

Great Granddaughter

TB Disease

LTBI

Window Prophylaxis

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