

Tuberculosis PHN Training




N A P A C O U N T Y

**Health & Human
Services Agency**



Presentation Objective



Develop effective training plans, techniques, and strategies for new and existing public health nurses specializing in tuberculosis.

Agenda

- Introduction
- Napa County Demographics
- Tuberculosis Case Numbers
- Communicable Disease Unit Overview
- Process Review
- CD Training Plan Overview
- Training Resources
- Questions

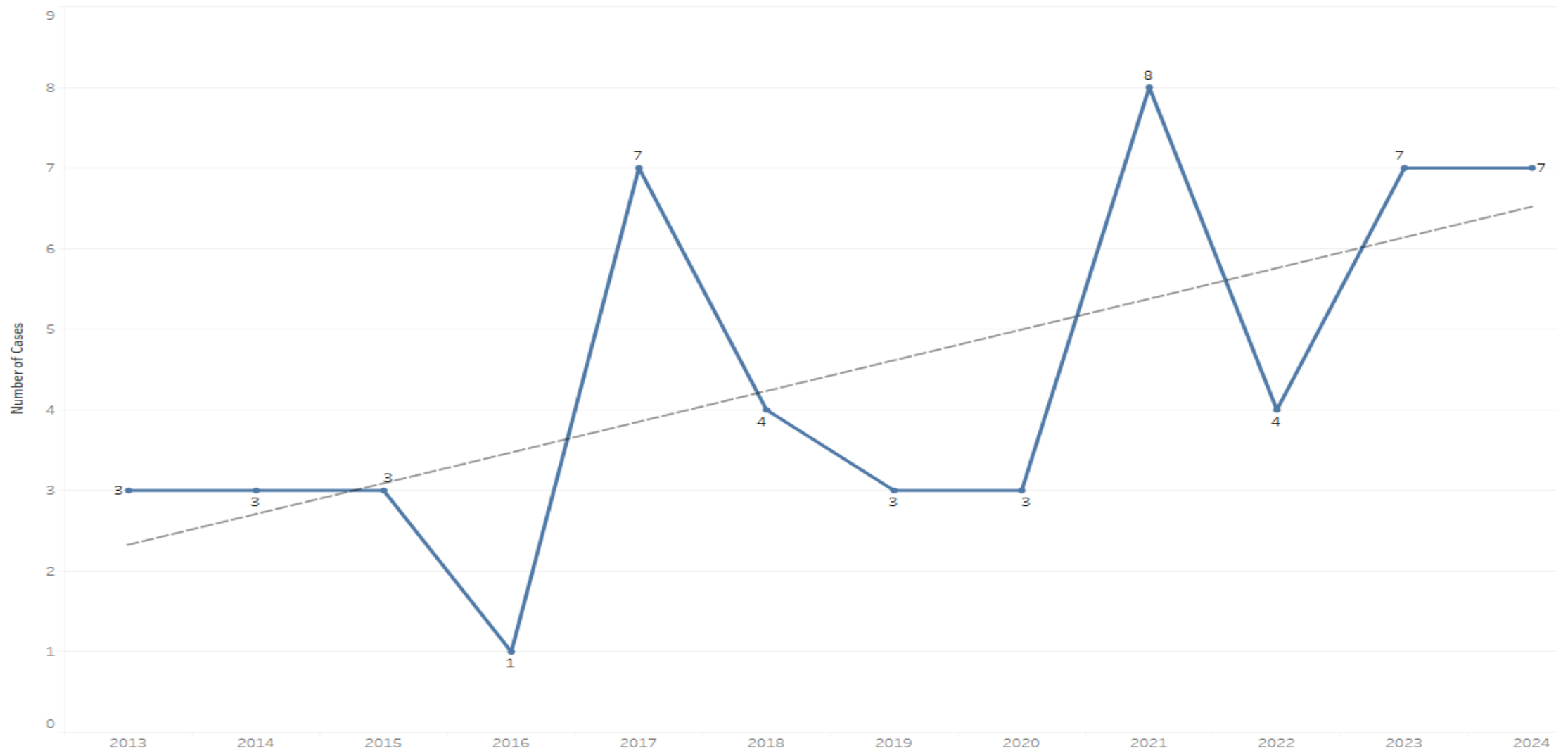


Napa County at a Glance

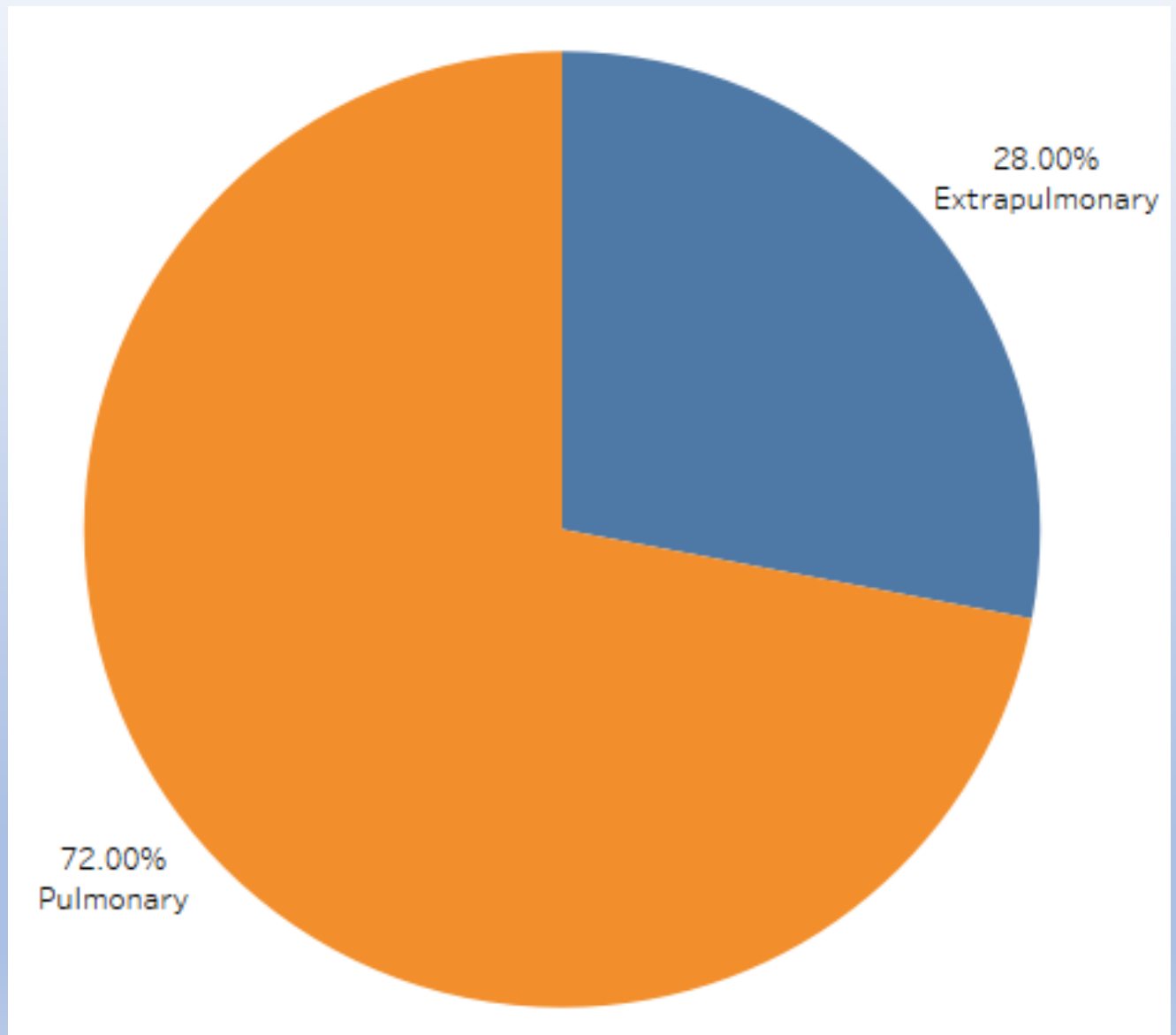
| | Napa County | California | | Napa County | California |
|-------------------------------------|-------------|------------|---|-------------|------------|
| Total Population | 138,019 | 39,538,223 | Race/Ethnicity: | | |
| Median Age | 43.6 | 38.2 | American Indian/Alaska Native | 1.4% | 1.6% |
| Bachelor's Degree or Higher | 39.5% | 37.5% | Asian | 7.8% | 15.4% |
| Employment Rate | 62.5% | 60.2% | Black/African American | 1.8% | 5.7% |
| Median Household Income | \$104,686 | \$95,521 | Hispanic/Latino | 35.4% | 39.4% |
| Median Gross Rent | \$2,239 | \$1,992 | Native Hawaiian/Pacific Islander | 0.3% | 0.4% |
| Homeownership Rate | 62.7% | 55.9% | Other Race | 18.6% | 0.1% |
| Without Health Care Coverage | 3.6% | 6.4% | Two or More Races | 15% | 14.6% |
| Poverty | 9% | 12% | White | 55.2% | 41.2% |

Napa County is the 48th largest county out of the 58 counties in California.

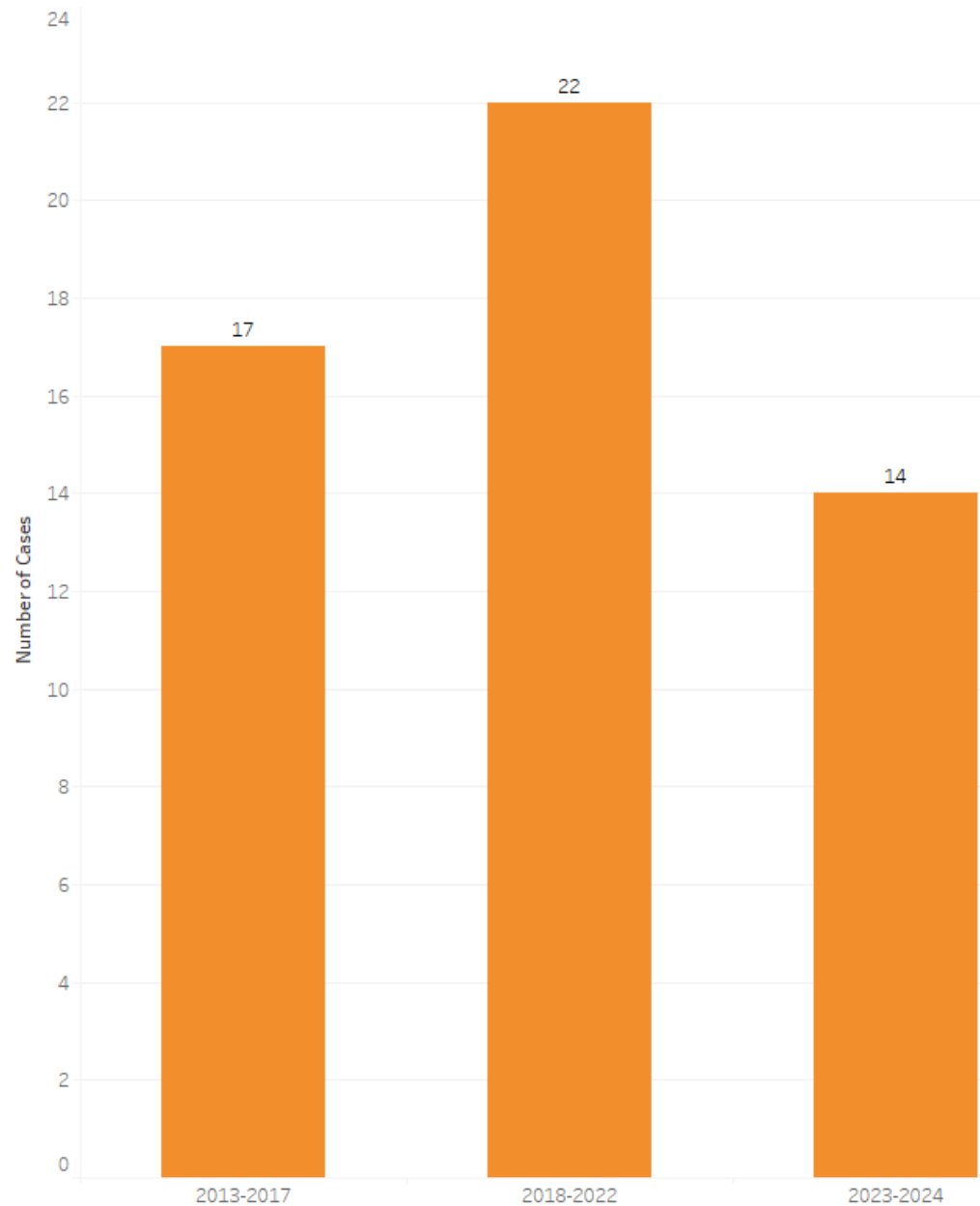
Napa County Active TB Cases (2014 – present): Trends Over Time



Napa County Active
TB Cases (2014-
present): Pulmonary
vs. Extrapulmonary
Cases



Napa County Active TB Cases (2013 – present): Cases by 5 Years





TB is a beast!

Communicable Disease Unit Overview

- A small but mighty TEAM:
 - Two Public Health Nurses
 - Two Communicable Disease Investigators
 - HHS Technician
 - Nursing Supervisor
 - Public Health Manager
 - Public Health Officer
- Our investigators (PHNs and CDIs) are cross-trained to be able to investigate all 80- plus communicable diseases.
- We systematically process all referrals from beginning (gatekeeping) to end (quality management review)
- We collaborate with an Epi Team who manages all outbreaks.



Process Review

- Referral Management Matrix (RMM)
- Communicable Disease Investigation Manual (CDIM)
- TB Training Plan
- Quality Assurance systems



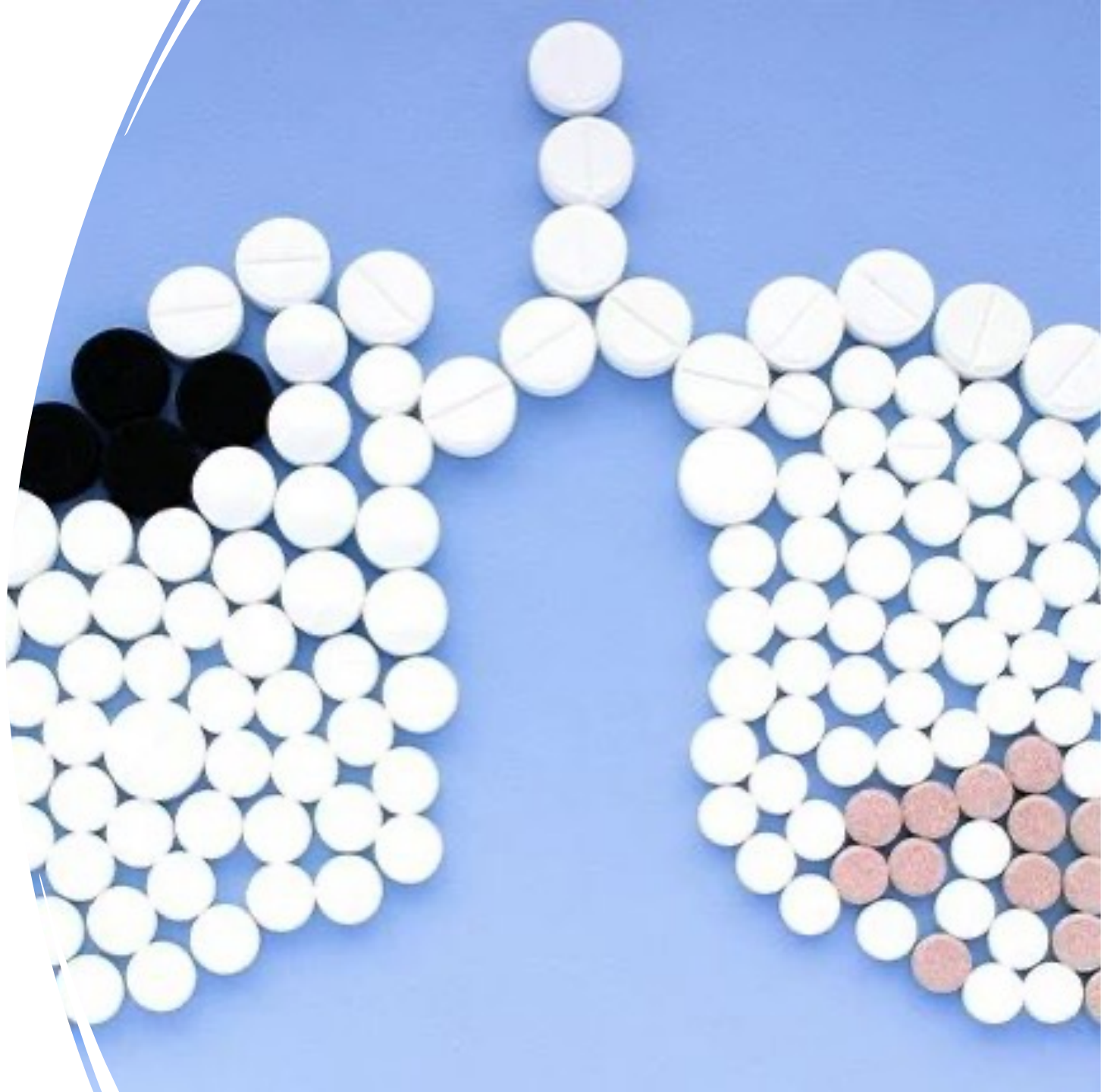
Referral Management Matrix (RMM)

The guiding document to processing all communicable diseases.

| Disease | Alarm # | Title 17 Code (see tab) | Assignment Timeframe | Assignment - Position(s) | Assignment - Process | Situational Awareness |
|---|---------|----------------------------|-----------------------------|-----------------------------|--|---|
| <u>Tuberculosis</u> <u>4 alarm does not apply to Tuberculosis (IGRA)</u> | 4 | D | Immediately-upon receipt | PHN | 1.) Tech-immediate email & verbal notification (in person or call county issued cell phone) to HSNS/PHN 2.) Tech-CalREDIE data entry and processing 3.) Tech-Email notification to inform of assignment to HSNS/PHNs | TB rates continuously decreasing in the US. Large Decrease in 2020, and rebound in 2021, still lower than rates in 2019. |

Communicable Disease Investigation Manual (CDIM)

The CDIM provides guidance and a process for each communicable disease to execute case and contact investigation efficiently and accurately.



Who WANTS A SLICE of cake?



TB Training Plan

The 12-week TB Training Plan establishes a foundation, builds on the investigator's skills, serves as a guide, and provides the investigator with confidence through their training journey.



Quality Metrics

TB Rounds

Case Reviews

Open and
Closed Report

Key
Performance
Indicators



TAKEAWAYS

- Be open to change.
- Share the knowledge.
- Optimism
- We are lifelong learners.
- Be flexible!
- Organization and prioritization supports your time management.
- All the training material can be updated and improved to meet your county's needs.
- Schedule time in your calendar to review the training material.



Questions?