



# Principles of Nurse Case Management

Catalina Navarro BSN, RN

February 11, 2025

Essentials of TB Nurse Case Management Online • Tuesdays, February 11 – March 4, 2025 • Online

# Catalina Navarro BSN, RN

Has the following disclosures to make:

- No conflict of interests
- No relevant financial relationships with any commercial companies pertaining to this educational activity





# Principles of Nurse Case Management

**Why Are We Here?**

***Essentials of TB Nurse Case Management  
February 11, 2025***

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**Why are we  
here?**

**Is TB still a  
problem?**



# Objectives

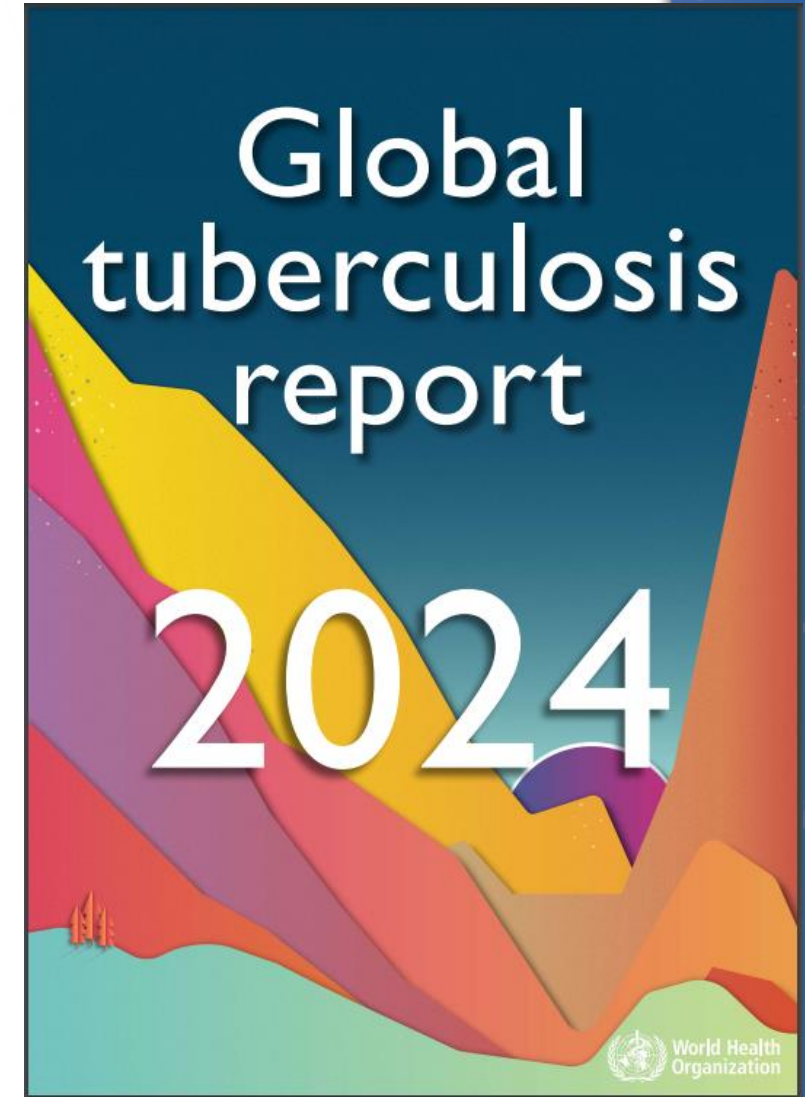
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- Epidemiology of TB Globally and in the USA
- Definition of TB Nurse case management
- Goals and elements of TB case management



# TB is still a Big Problem

- TB **returned** to being the world's leading cause of death from a single infectious agent
- TB is the leading killer of people **with HIV**
- > **10** million people fell ill with TB disease each year
- 1.25 million people died from(TB) in 2023



# TB is a Social Disease....

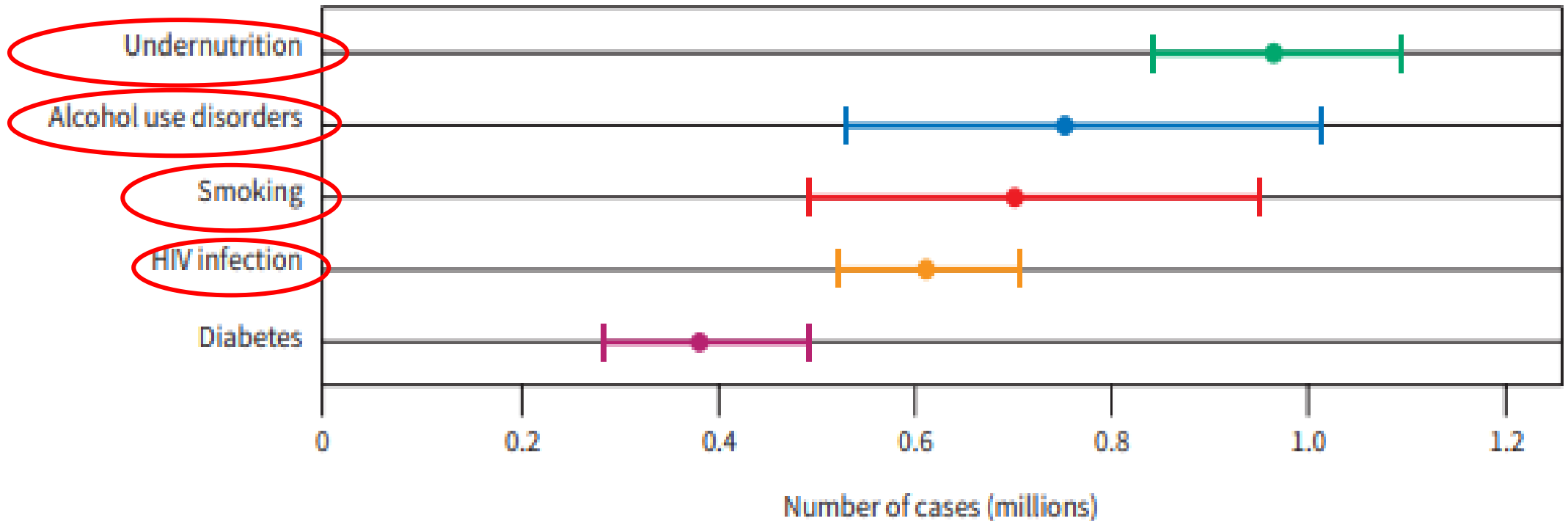
- Undernutrition
- Alcohol abuse
- Substance abuse
- Tobacco
- Diabetes and HIV



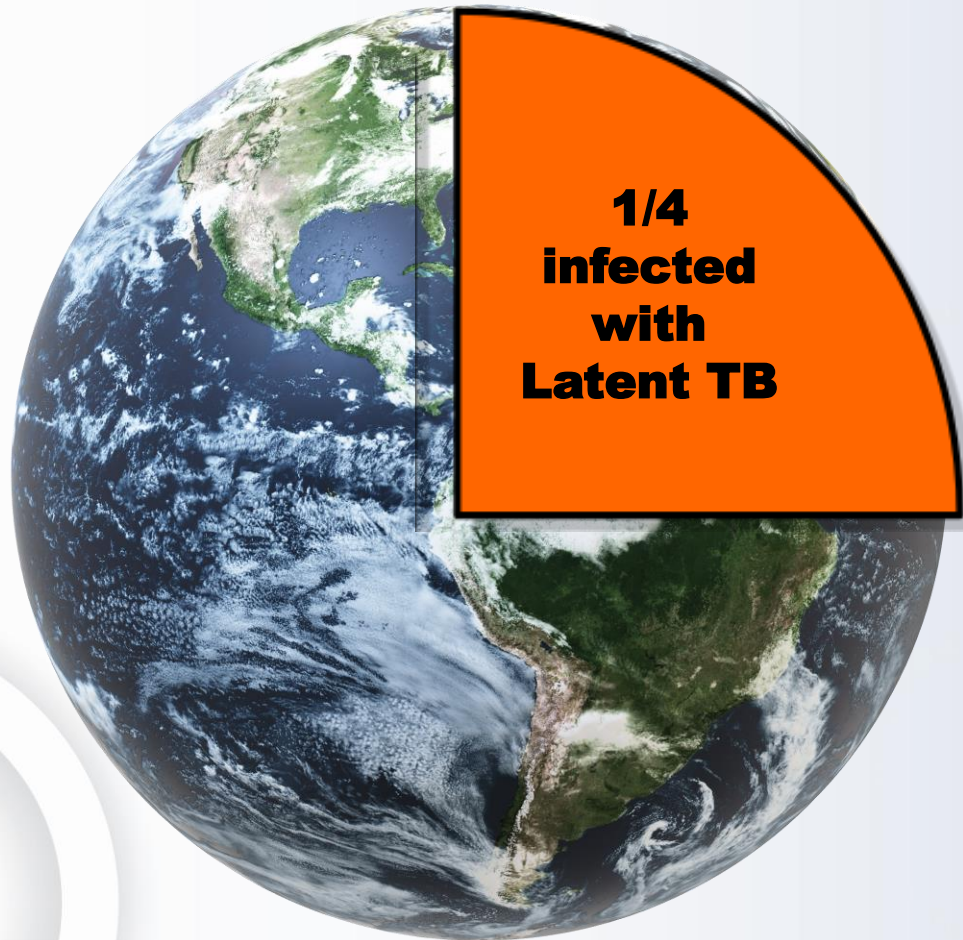


# Global Risk Factors for People Having TB

Global estimates of the number of people with a new episode of TB (incident cases) attributable to five risk factors,<sup>a</sup> 2023



# How about **Latent TB** in the world?



...and Drug  
Resistant?

**Drug-resistant tuberculosis**  
**remains a public health crisis**

In 2020 only about

**1**  **IN 3** **OF THOSE IN NEED**  
**RECEIVED TREATMENT**  
**FOR DRUG-RESISTANT TB**

# TB in USA



## TB outbreak: Kansas health officials report 67 cases since 2024

Published 1:39 p.m. ET Jan. 27, 2025

[Saleen Martin](#)

USA TODAY



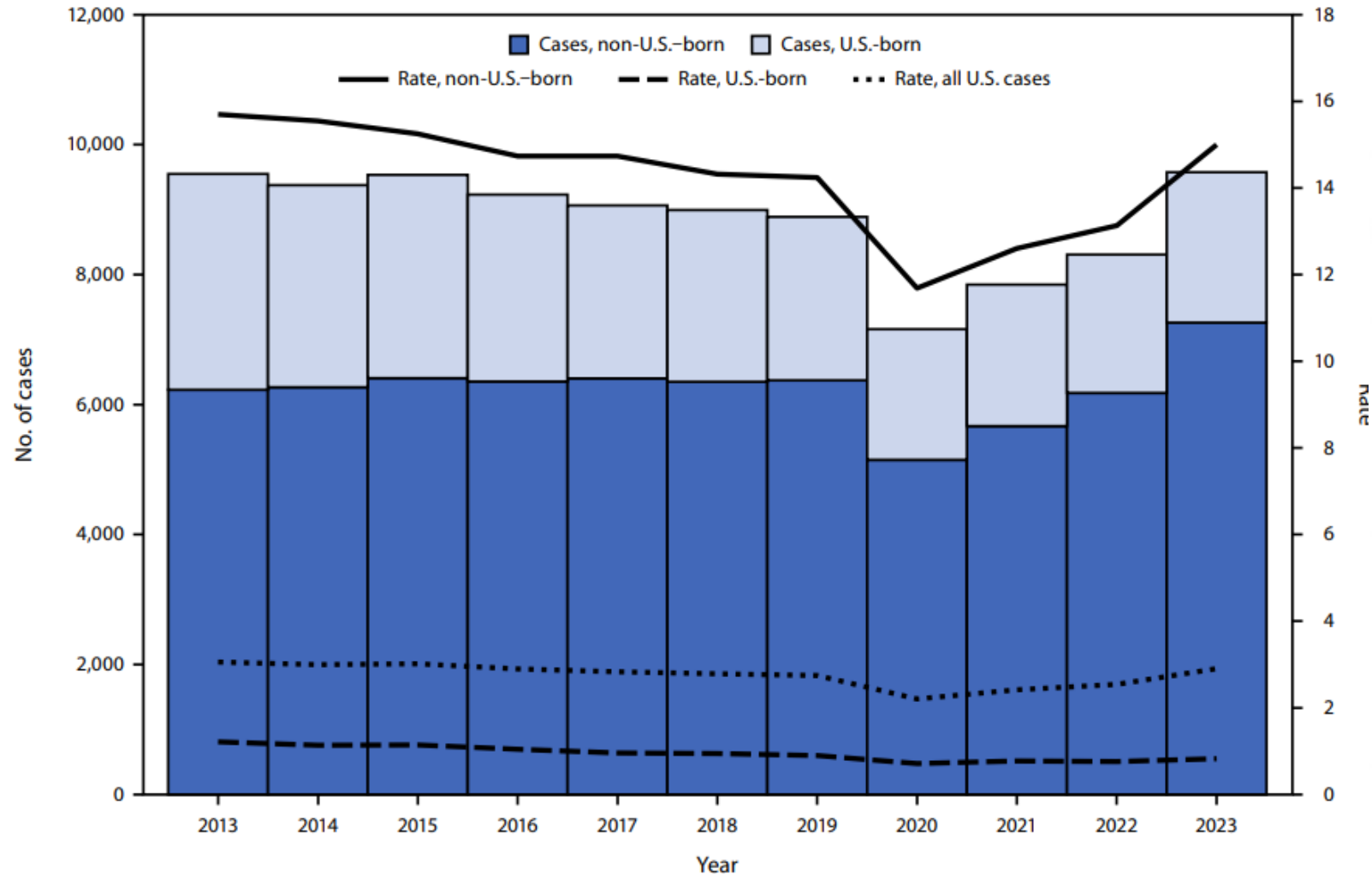
## Tuberculosis outbreak in Kansas becomes largest in US since 1950s

By Jacqueline Howard, CNN

4 minute read

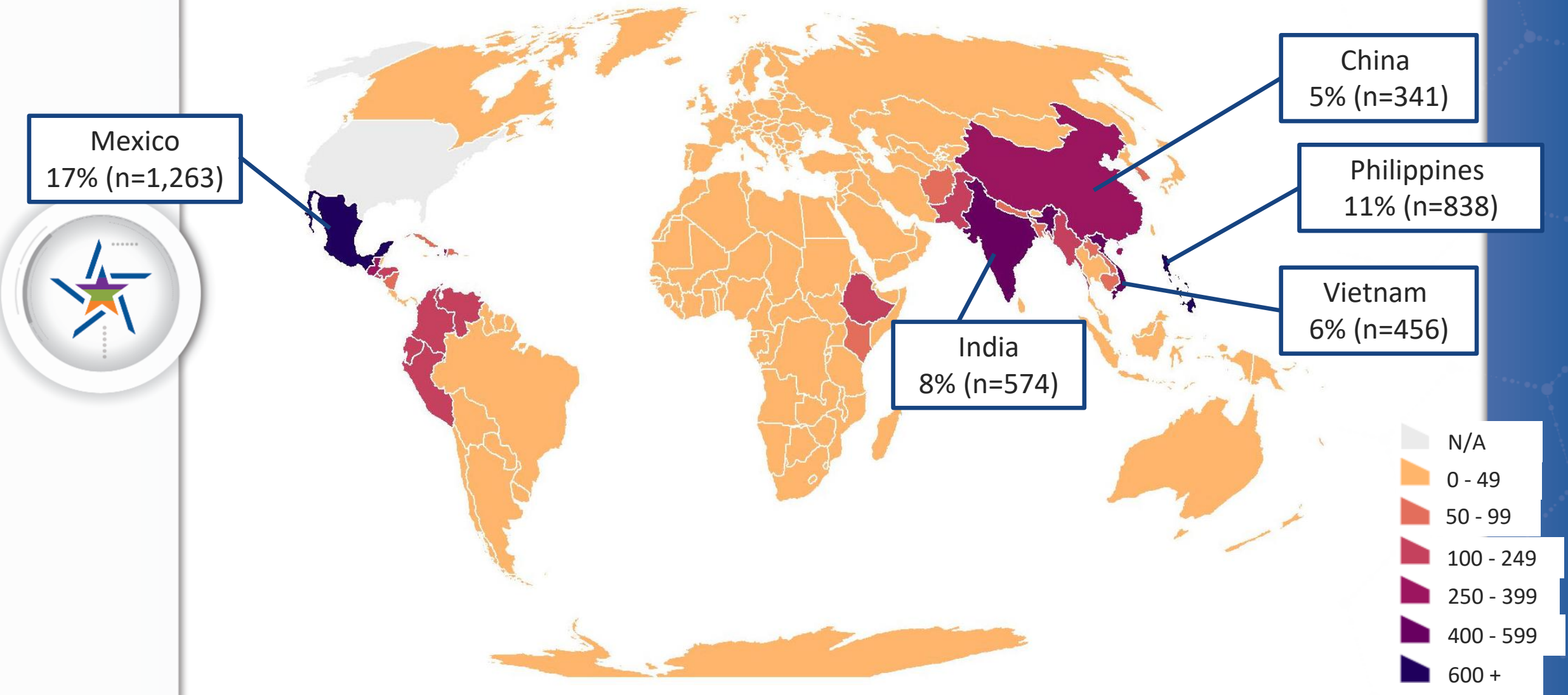
Published 2:36 PM EST, Tue January 28, 2025

# Annual Numbers and Rate of Cases of TB Disease, by Patient U.S birth Origin USA, 2013-2023



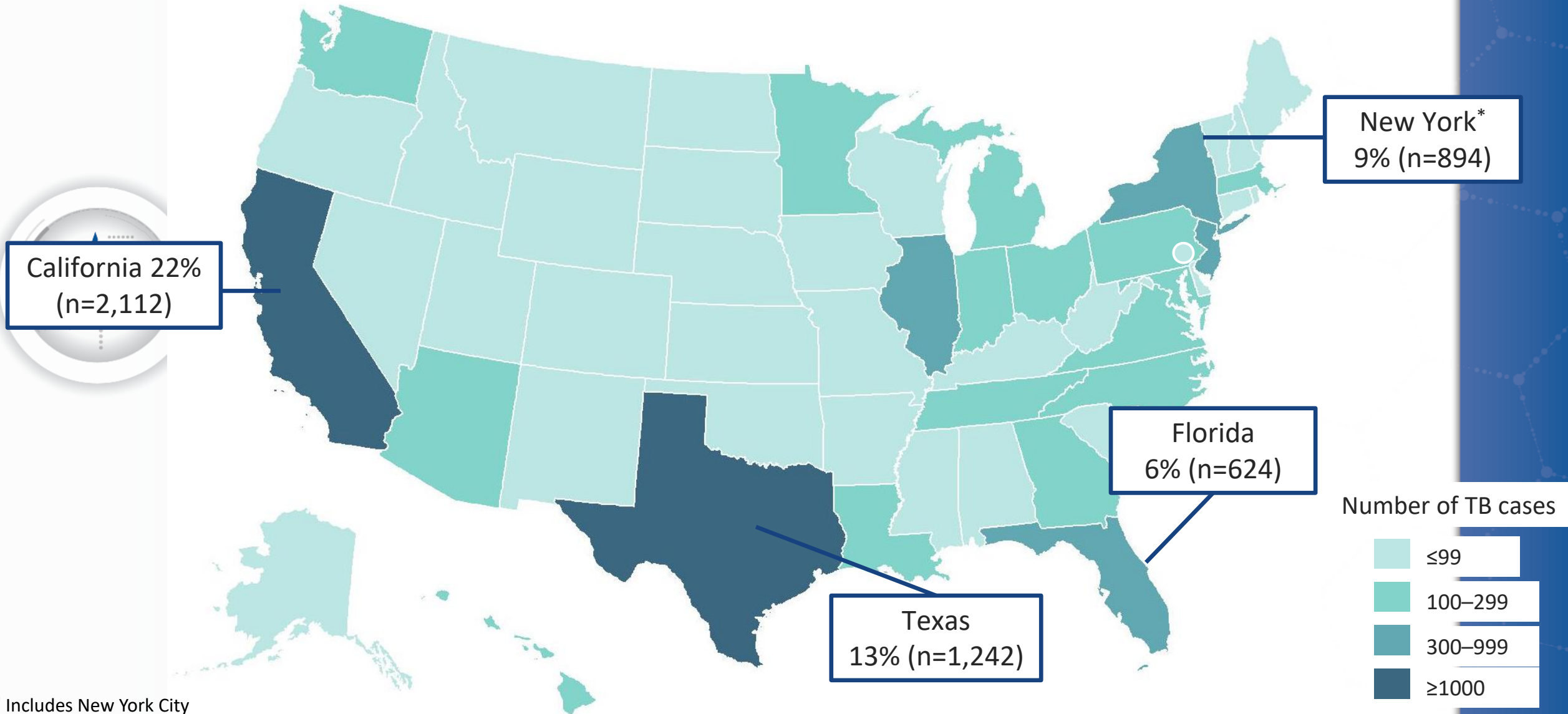
\* Case counts are based on data from the National Tuberculosis Surveillance System as of February 17, 2024.

# TB Cases by Countries of Birth Among Non-U.S.–Born\* Persons, United States, 2023 (N=7,299)



\*Persons born in the United States, certain U.S. territories, or elsewhere to at least one U.S. citizen parent are categorized as U.S.-born. All other persons are categorized as non-U.S.–born.

# TB Cases and Percentages by Reporting Area, United States, 2023 (N=9,633)



New York\*  
9% (n=894)

California 22%  
(n=2,112)

Florida  
6% (n=624)

Texas  
13% (n=1,242)

Number of TB cases

≤99

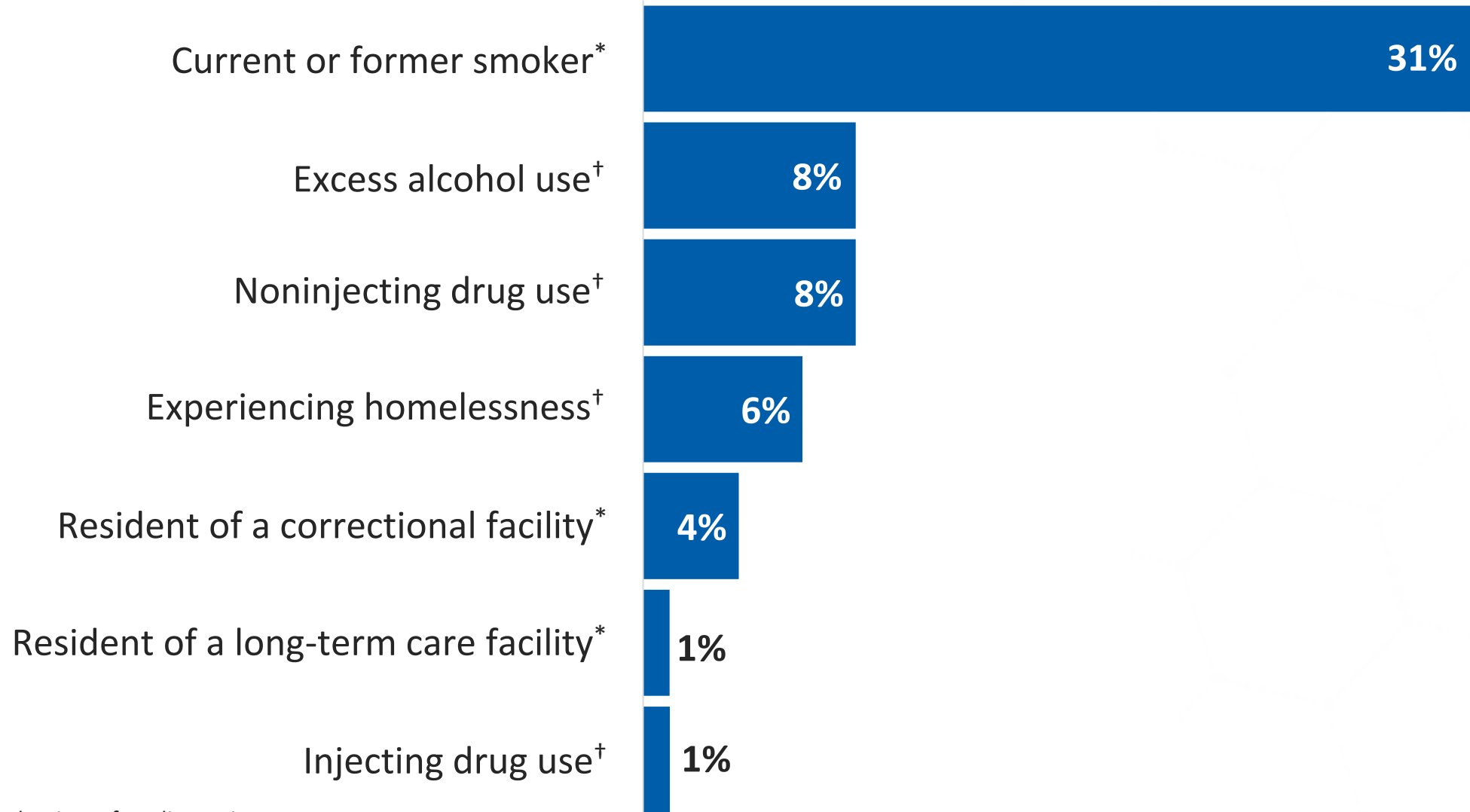
100–299

300–999

≥1000

\* Includes New York City

# Percentage of Social and Behavioral Risk Factors Among Persons Aged $\geq 15$ Years with TB, United States, 2023



\* At the time of TB diagnosis

† Within past 12 months prior to TB diagnosis



# How About Latent TB in USA?

**More than 80% of TB diagnoses in the U.S. are associated with long-standing, latent TB infection**





# Tuberculosis Hides in Plain Sight

**13 million people in the United States live with inactive TB**



**1 in 10 people with inactive TB will get sick with active TB disease**



# Who is responsible for the treatment of TB?

“The responsibility for successful treatment of TB is placed primarily on **the provider** or program initiating treatment **rather than on** the patient”



# The Reason Why We Are Here According to ATS/CDC/IDSA

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“Strategy : **Patient-Centered Care and Case Management should be used**”

“Utilize case management interventions during treatment of patients with Tuberculosis”

## **Case Management:**

Strategy to help patients to complete TB treatment. Patient education/counseling, field/home visits, integration/coordination of care with specialists and medical home, patient reminders, incentives/enabler.



# Nurse Case Manager



**Public health nurses** have responsibility for TB case management and patient outcomes

Nurses coordinates services for the patient with TB from initial presentation to completion of treatment

2016 ATS/CDC/IDSA *TB Treatment Guidelines* August 2016



# It's time

## to invest in nurses and healthcare workers

Nurses and health workers play a critical role in tuberculosis prevention and care. Enabling them to work to their full potential improves healthcare for all.



# Goals of TB Case Management

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- Treat patients with TB according with TB Guidelines
- Complete treatment in appropriate time frames
- Prevent progression of TB and drug resistant
- Prevent transmission of TB with effective Contact Investigation (CI)
- Educate patient, family and community about TB



CASE FINDING

DOCUMENTATION

ASSESSMENT

EVALUATION

## *TB Case Management Process*

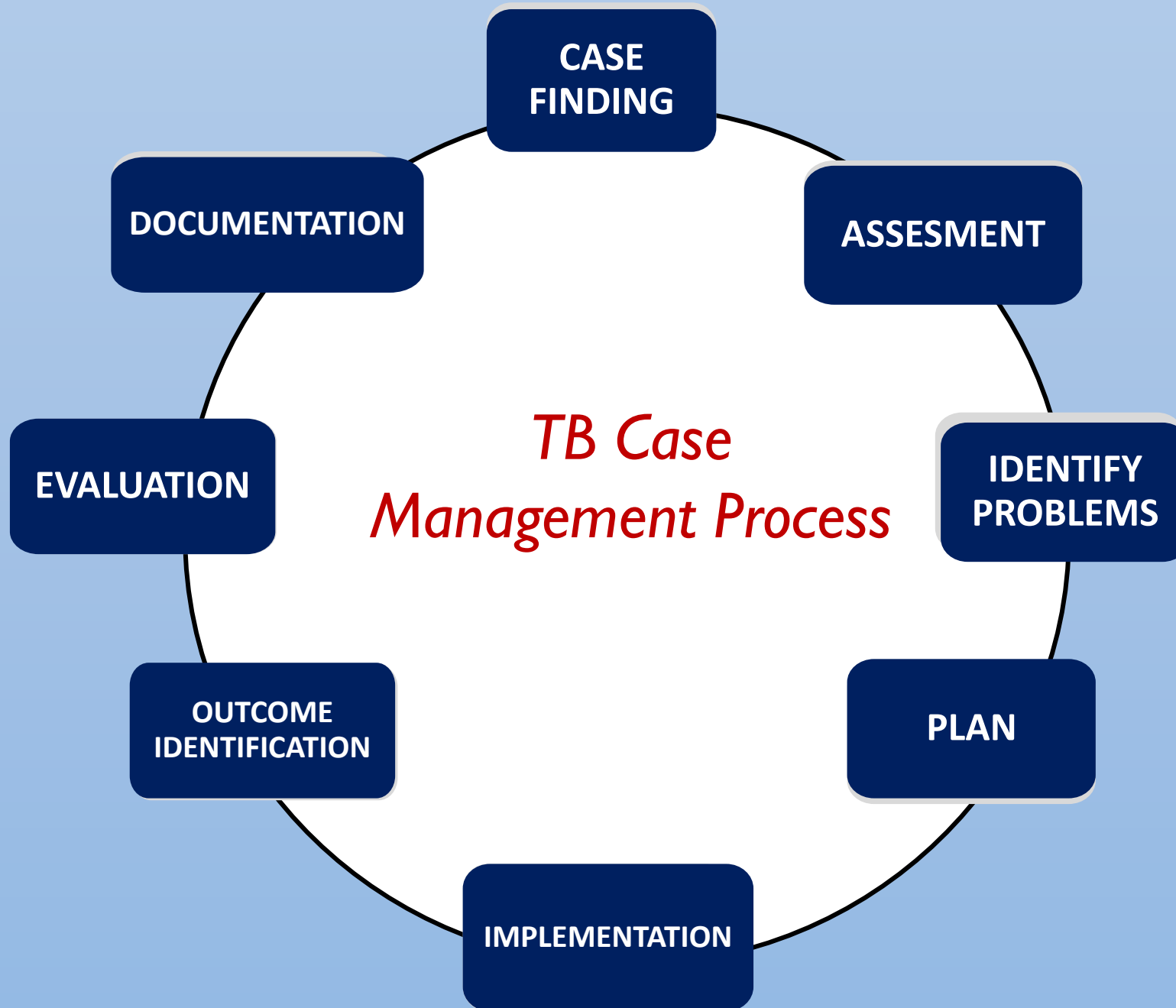
IDENTIFY  
PROBLEMS

OUTCOME  
IDENTIFICATION

PLAN

IMPLEMENTATION







**THANK YOU!**

