

Tuberculosis Epidemiology

**Global, United States, and Wisconsin
2024**

Andrea Liptack, MSN, RN
TB Nurse Consultant
April 1, 2025



**WISCONSIN DEPARTMENT
of HEALTH SERVICES**

Global Case Data

Tuberculosis Epidemiology

Global tuberculosis report

2024

[Global Tuberculosis Report 2024](https://www.who.int/tb/global-tuberculosis-report-2024)
[who.int](https://www.who.int)

Global Tuberculosis Report, 2023

Estimated number
of PWTB

Estimated number
of deaths

All forms of TB

10.8 million
10.7 million last year

1.25 million*
1.3 million last year

HIV-associated TB

660,000
636,000 last year

161,000
169,000 last year

MDR and R-R TB

400,000
410,000 last year

Not reported
160,000 last year

* Including deaths attributed to both HIV+TB and TB

Trivia Question I

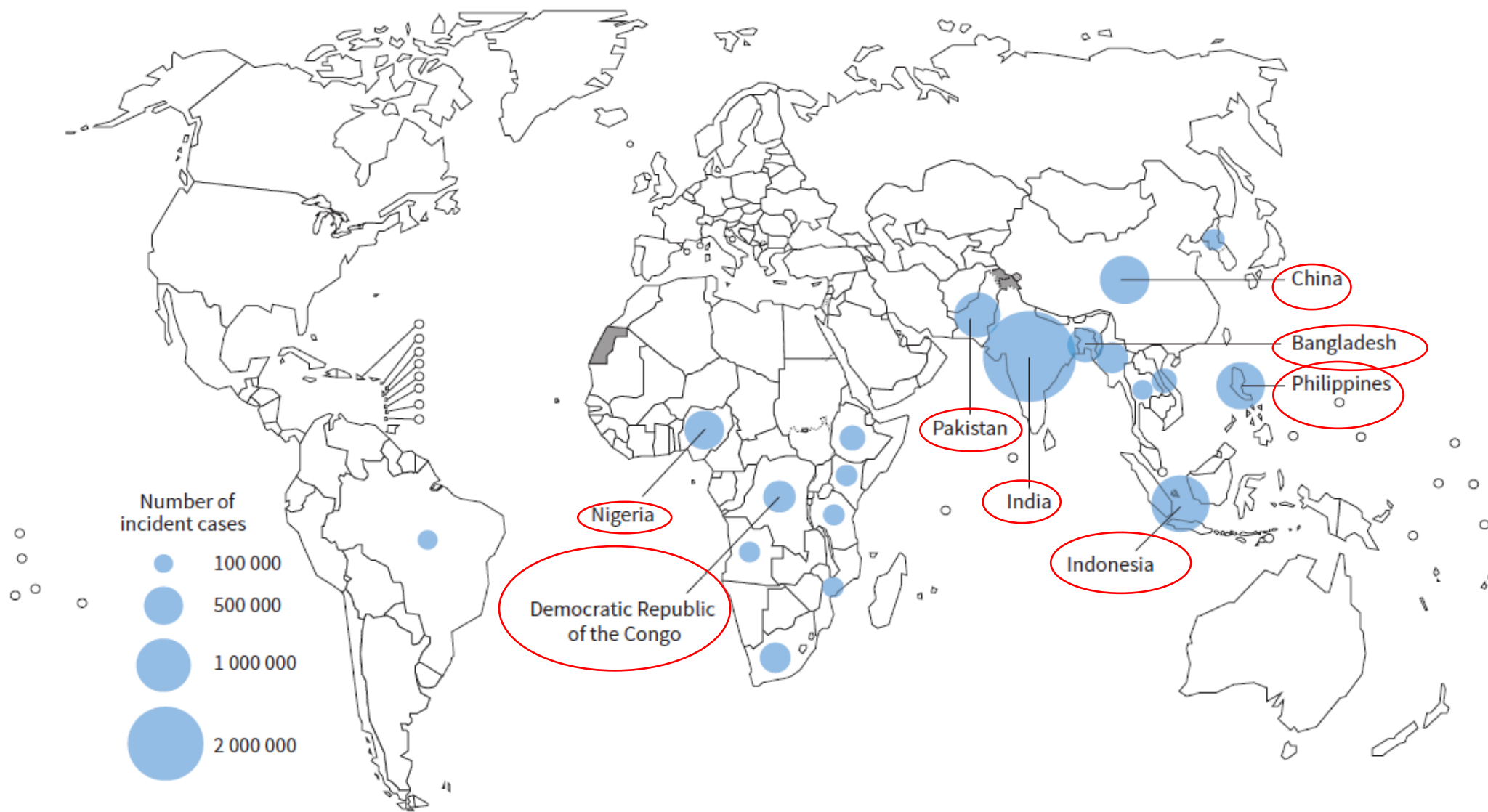


All of the following have historically been used to refer to tuberculosis, except:

- A. Phthisis
- B. Consumption
- C. Dropsy
- D. King's Evil
- E. Scrofula

Global Tuberculosis Report, 2023

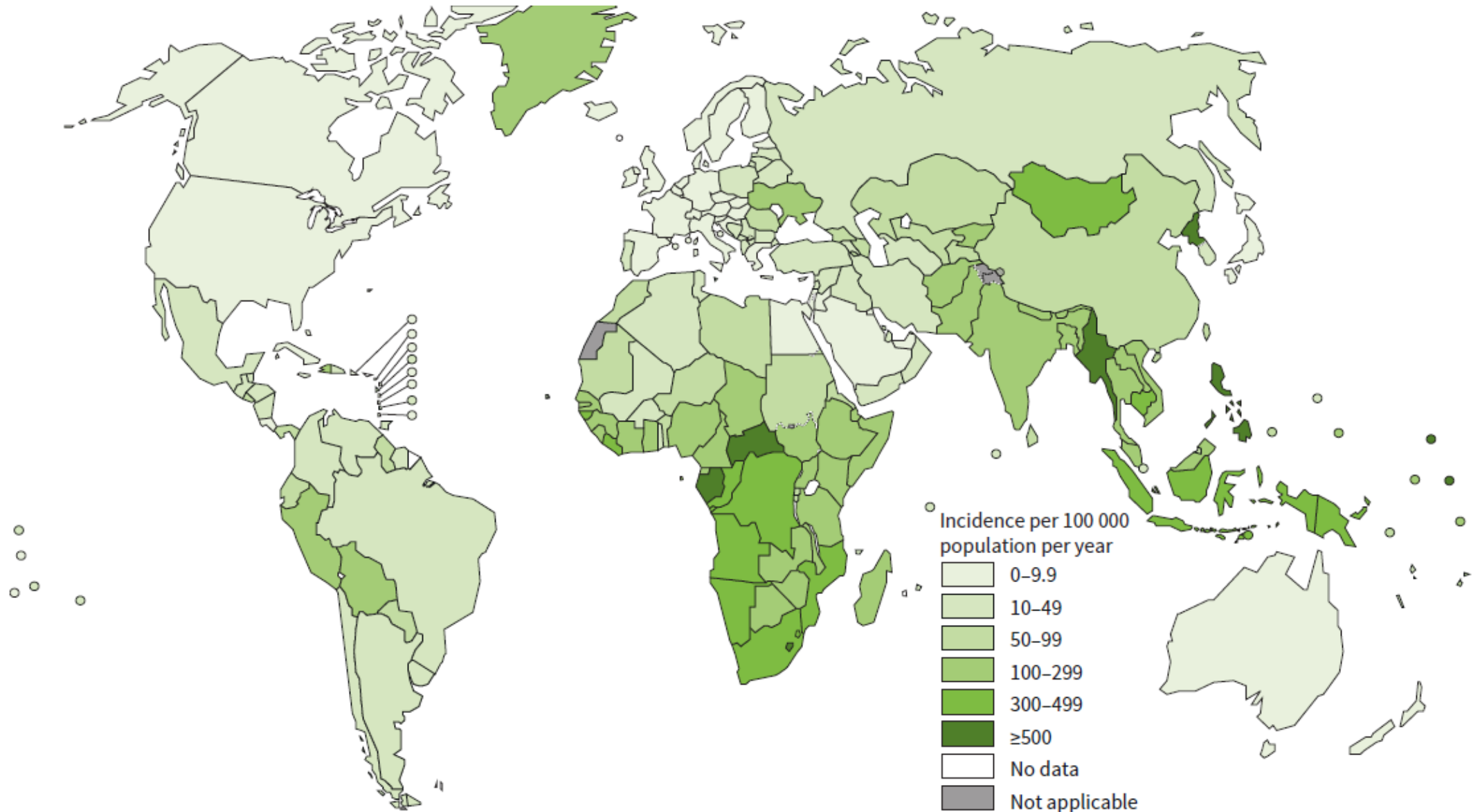
FIG. 3 Estimated number of incident TB cases in 2023, for countries with at least 100 000 incident cases^a



^a The labels show the eight countries that accounted for about two thirds of the global number of people estimated to have developed TB in 2023.

Global Tuberculosis Report, 2023

FIG. 5 Estimated TB incidence rates, 2023



Global Tuberculosis Report, 2023

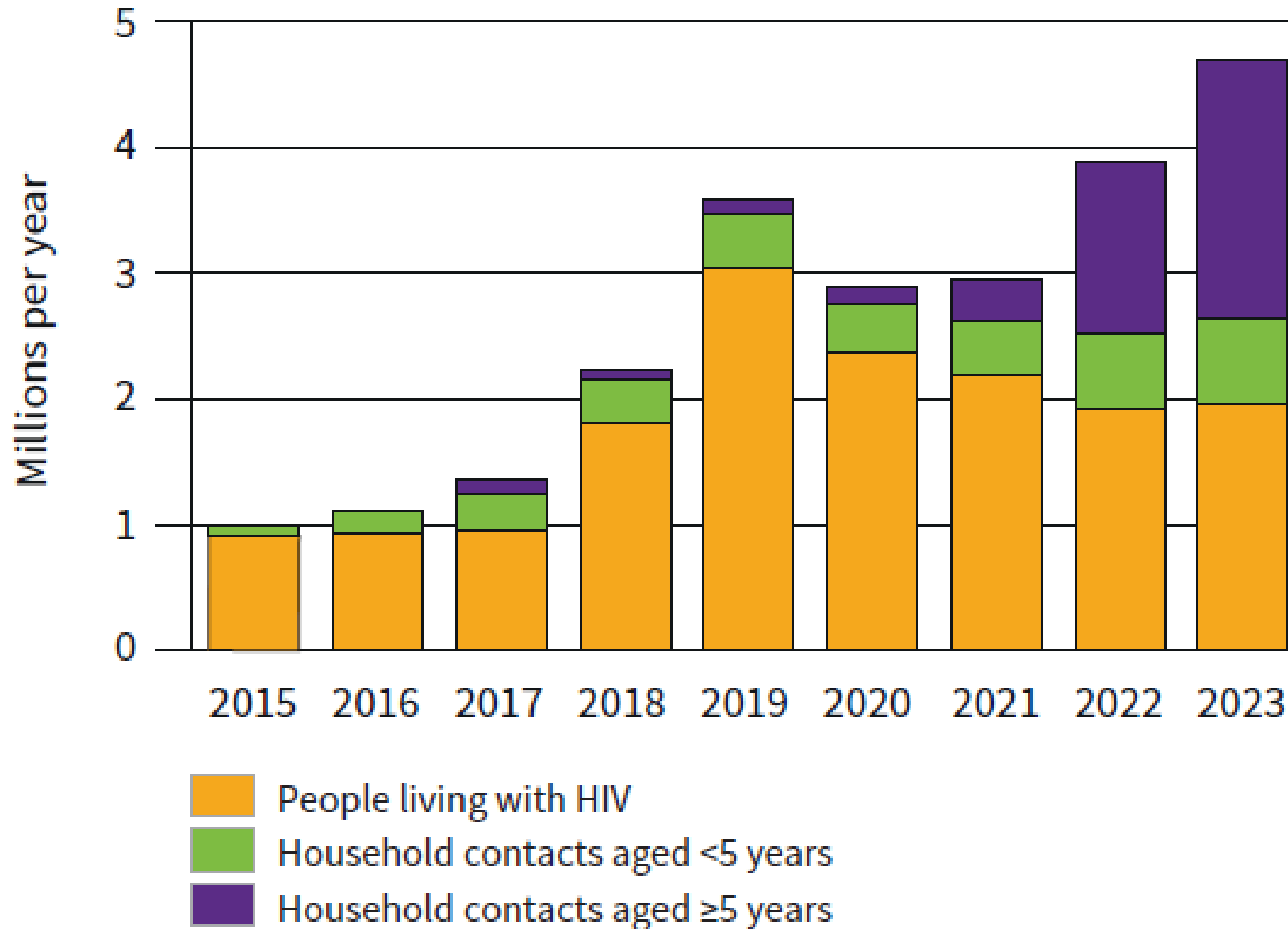
FIG. 8 Estimated number of people who developed MDR/RR-TB (incident cases) in 2023, for countries with at least 1 000 incident cases



^a The labels show the five countries that accounted for more than half of the global number of people estimated to have developed MDR/RR-TB in 2023.

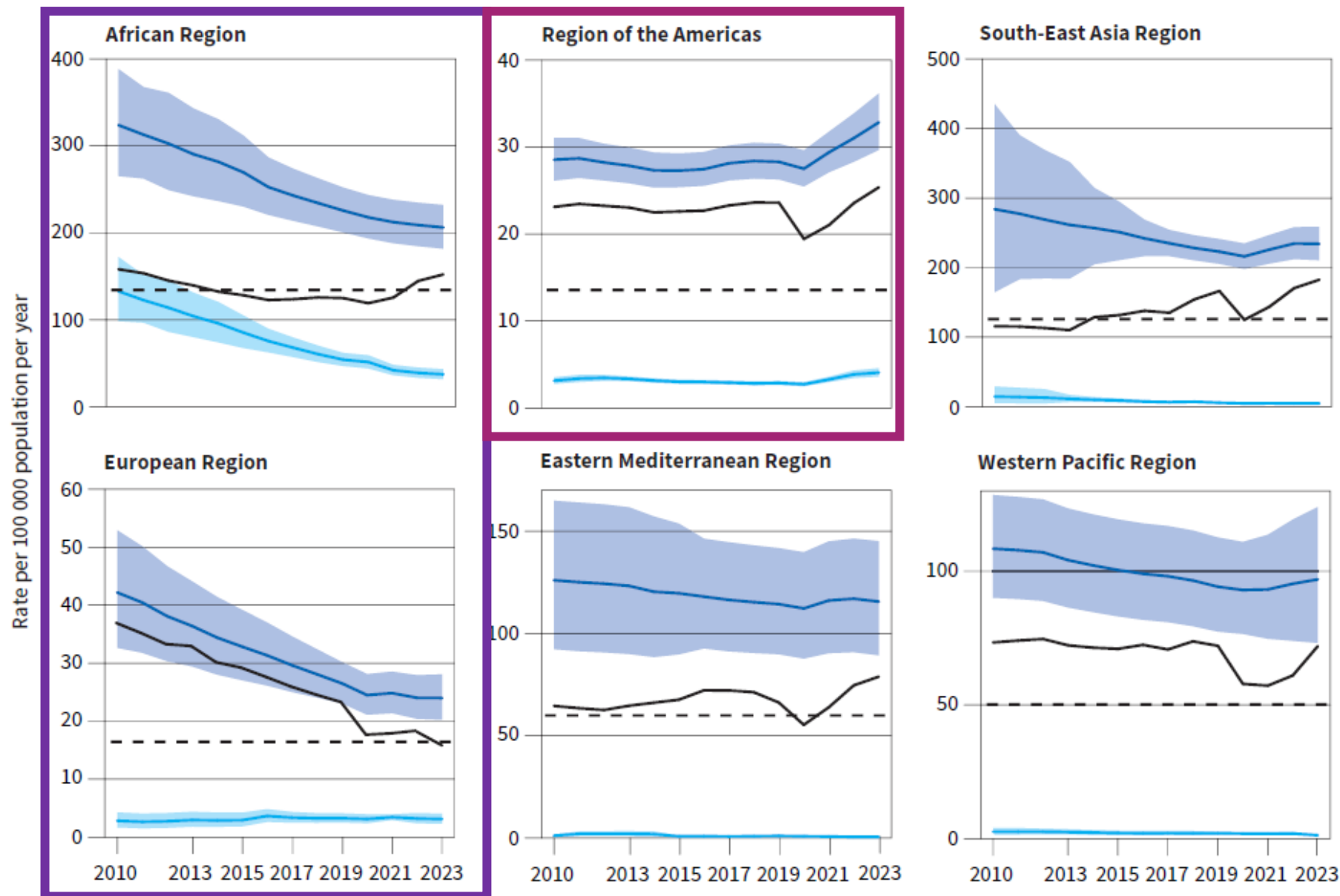
Global Tuberculosis Report, 2023

FIG. 27 The global number of people provided with TB preventive treatment, 2015–2023



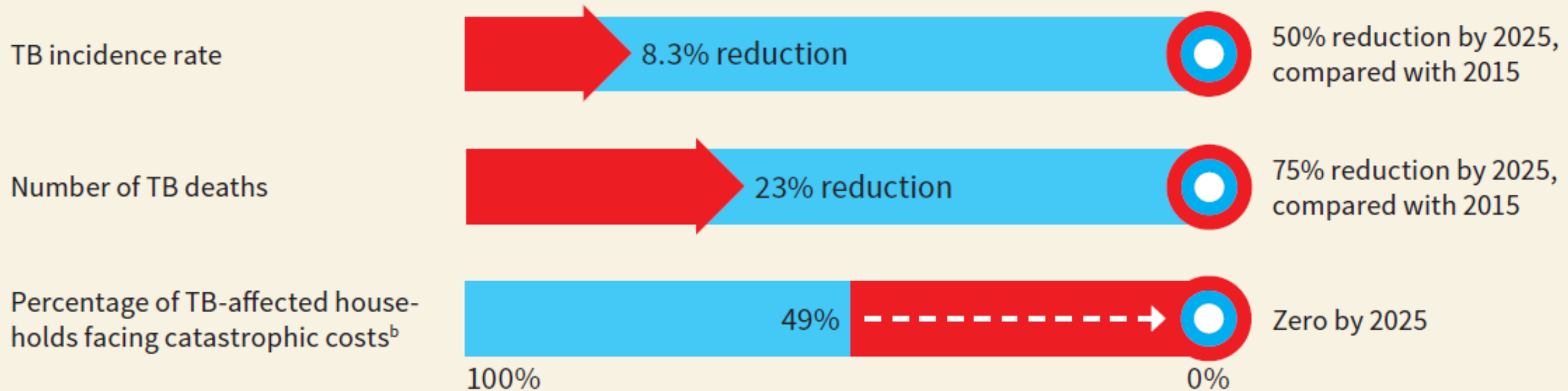
Global Tuberculosis Report, 2023

FIG. 2 Trends in estimated TB incidence rates by WHO region, 2010–2023



Global Tuberculosis Report, 2023

End TB Strategy, 2025 milestones



Trivia Question 2

Evidence of tuberculosis has been found in *modern human* remains as early as:

- A. 15,000 years ago
- B. 9,000 years ago
- C. 1 million years ago
- D. 50,000 years ago

United States Case Data

Tuberculosis Epidemiology

2023

REPORTED

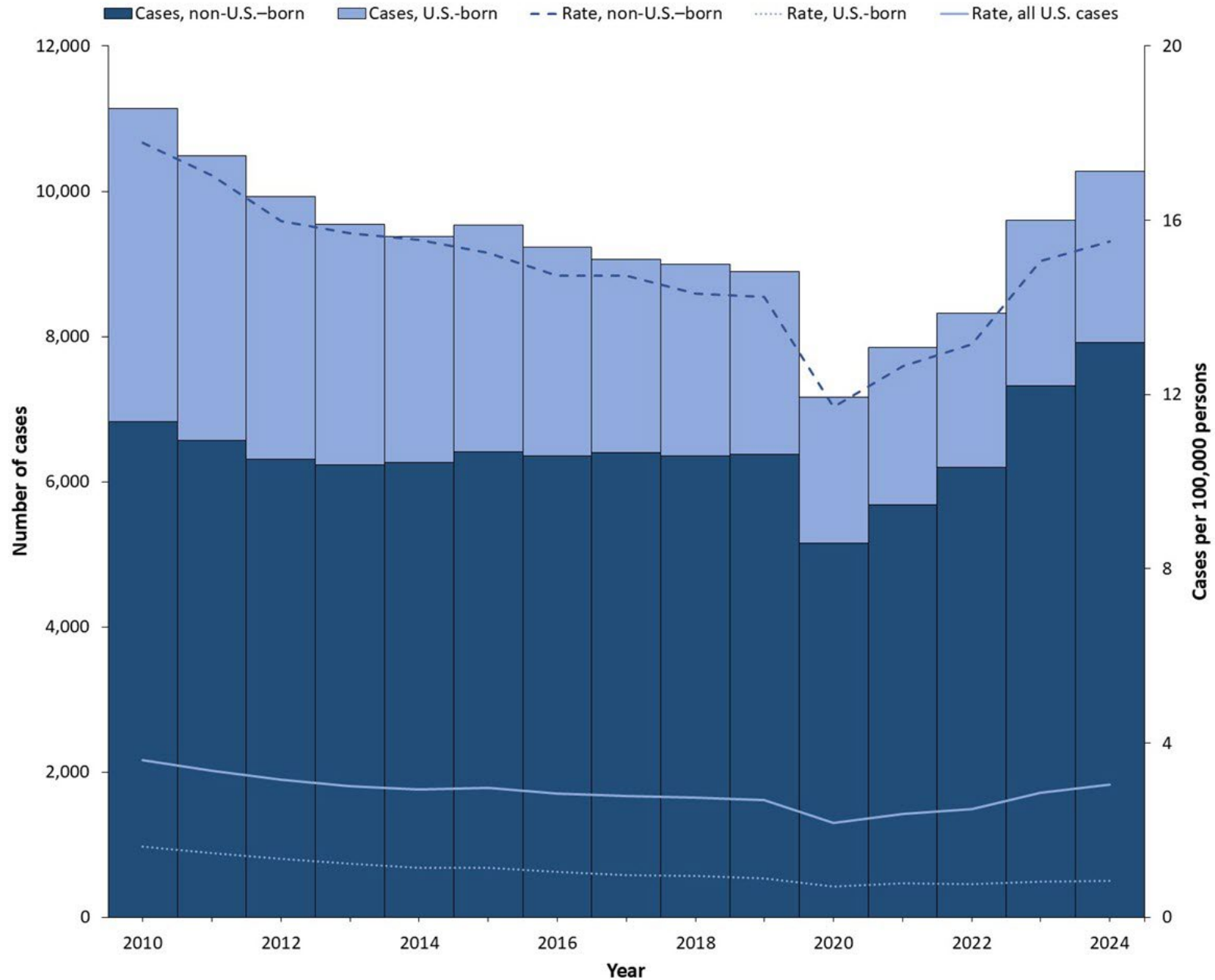
TUBERCULOSIS

IN THE UNITED STATES

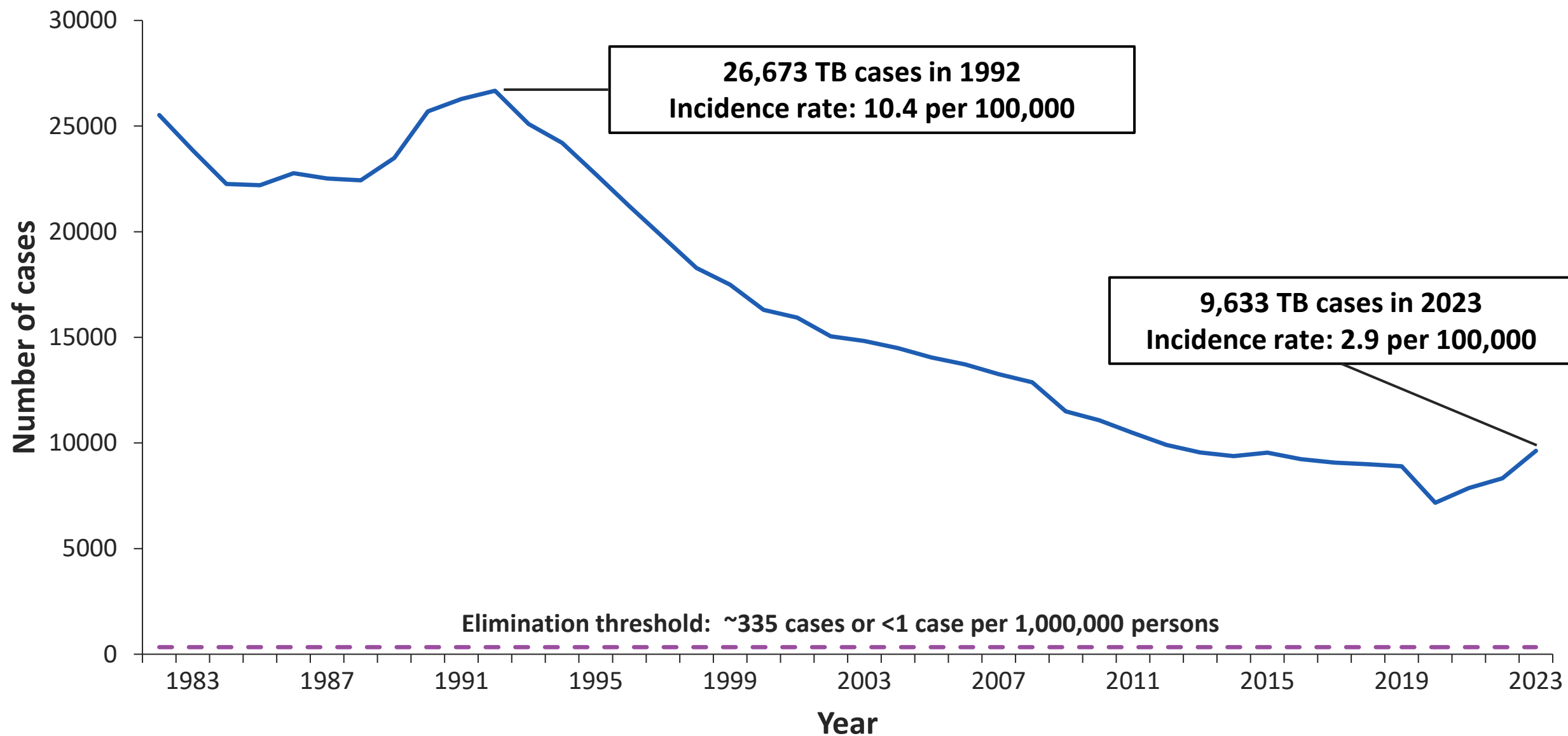


<https://www.cdc.gov/tb/statistics/default.htm>

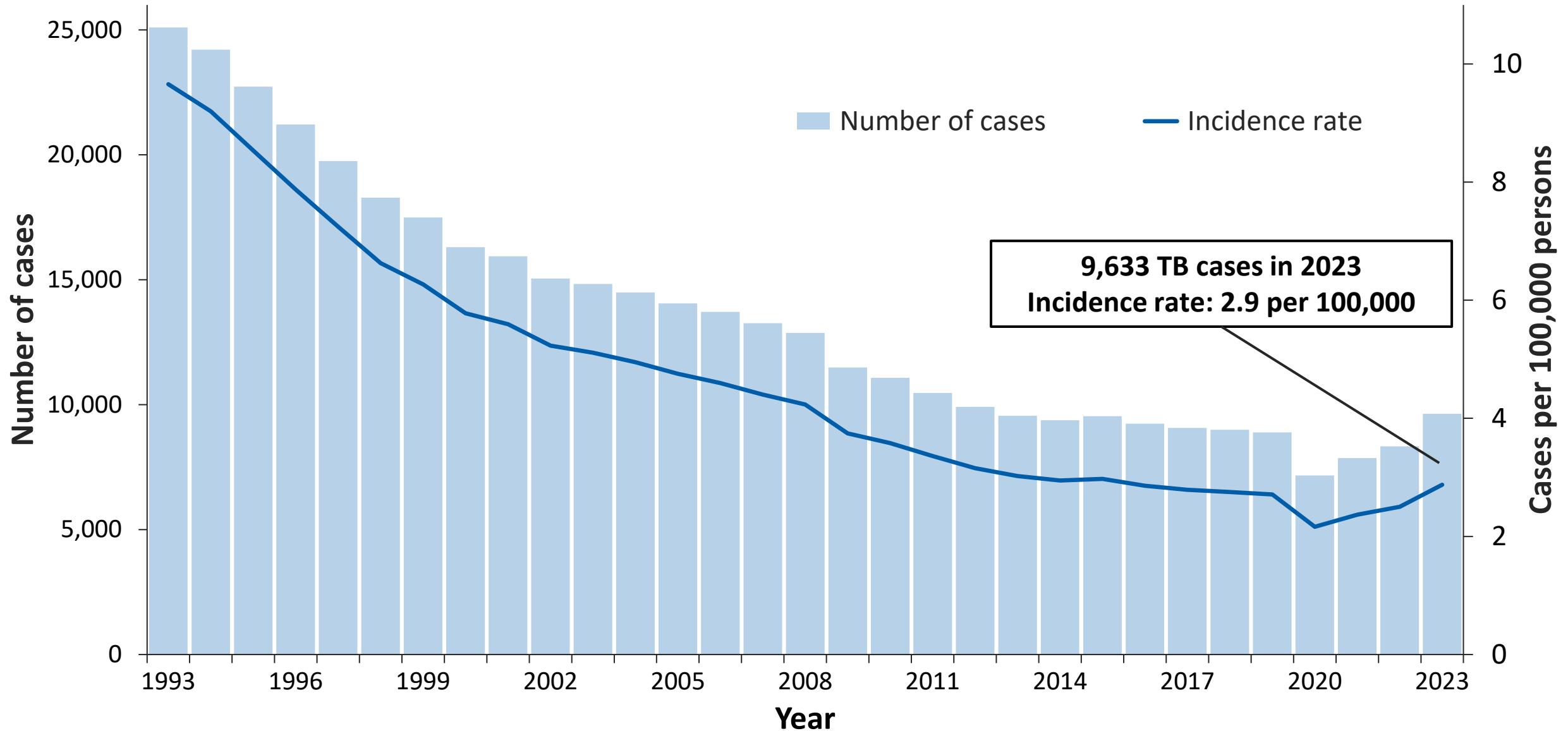
Tuberculosis cases* and rates† by birth origin§ — United States, 2010–2024



Progress Towards TB Elimination, United States, 1982–2023



TB Cases and Incidence Rates, United States, 1993–2023



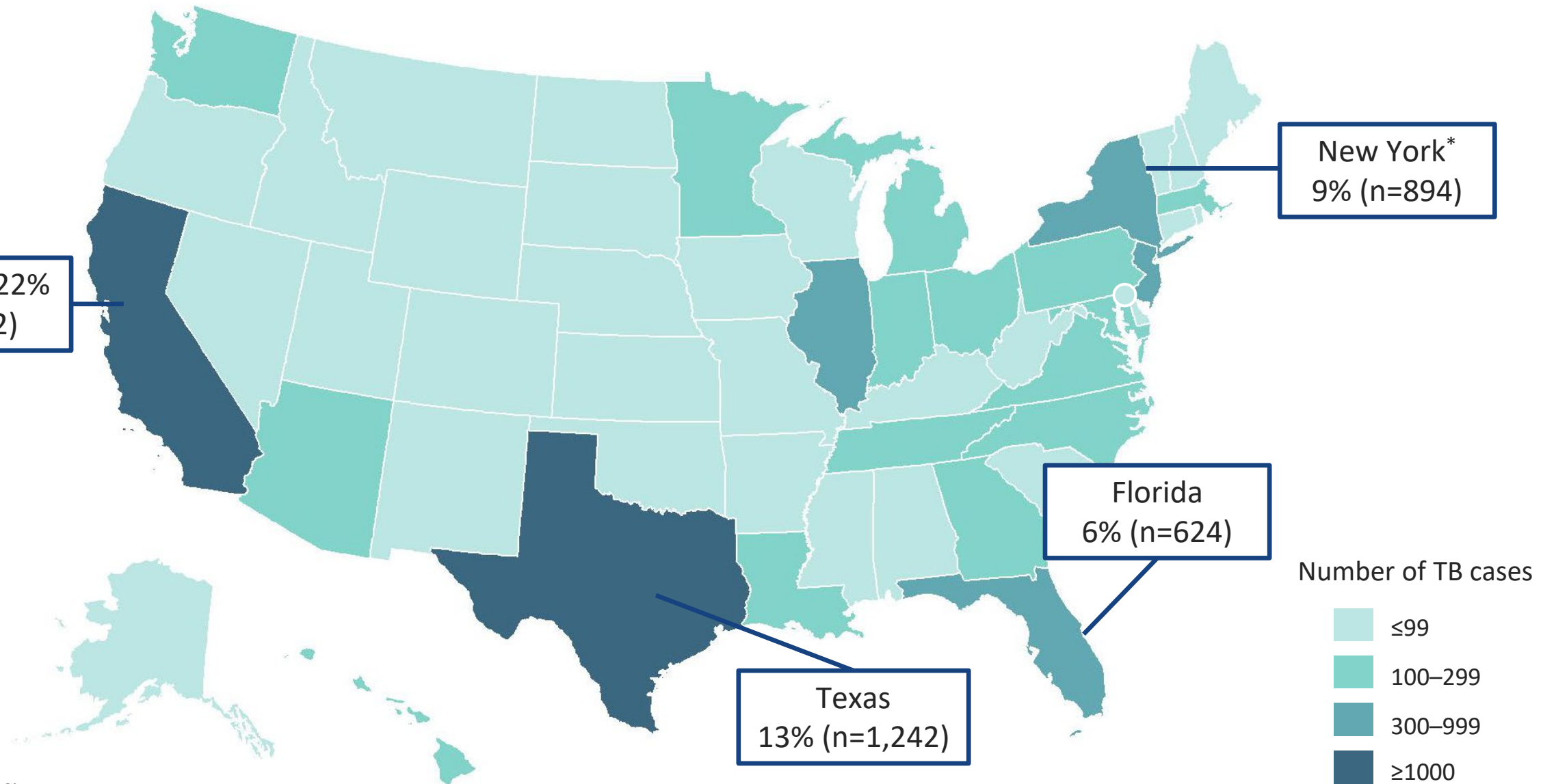
Trivia Question 3



All of the following people were thought to have had tuberculosis, except:

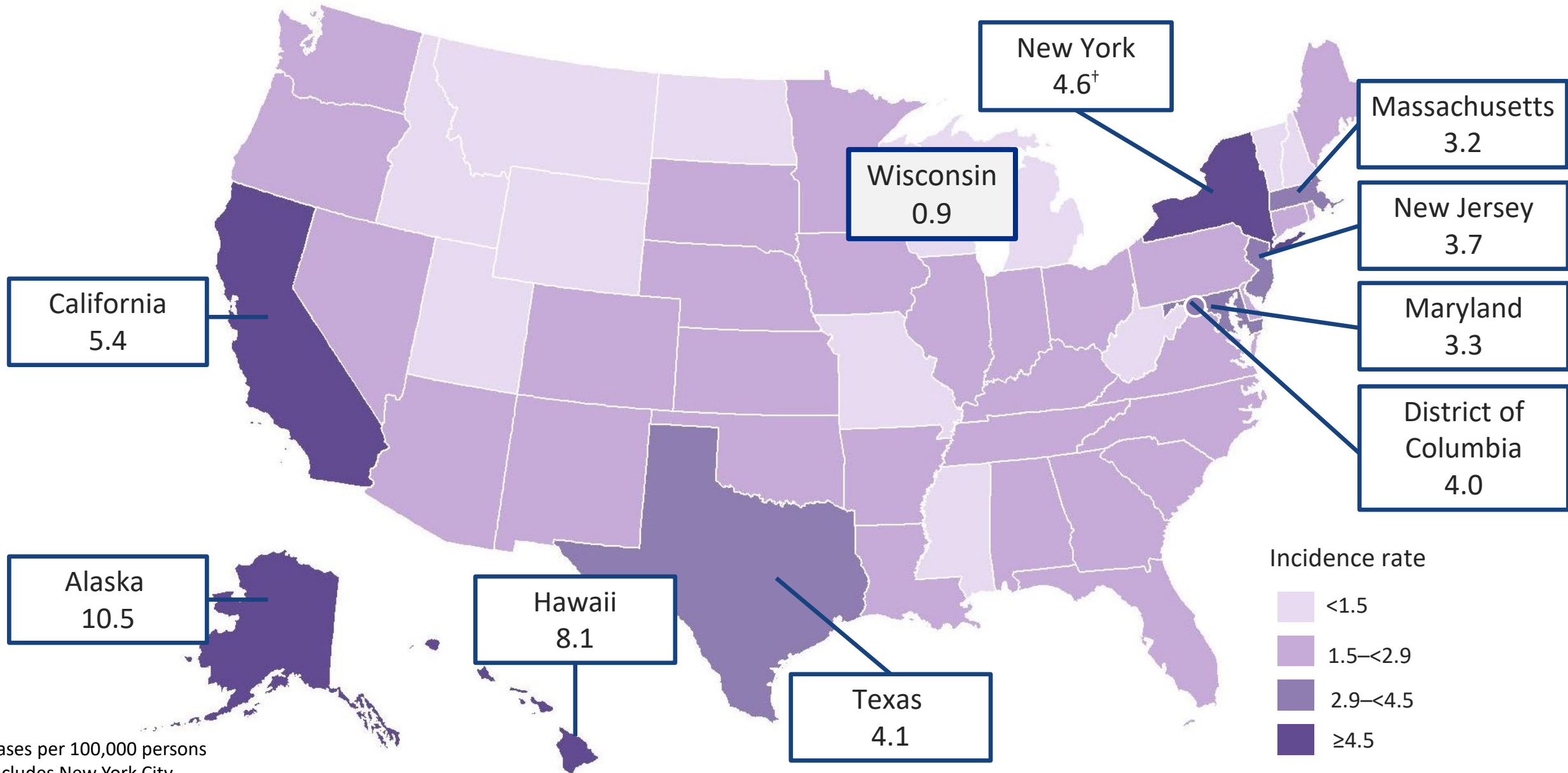
- A. Eleanor Roosevelt
- B. Andrew Jackson
- C. John Keats
- D. Shel Silverstein
- E. John B Stetson

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



* Includes New York City

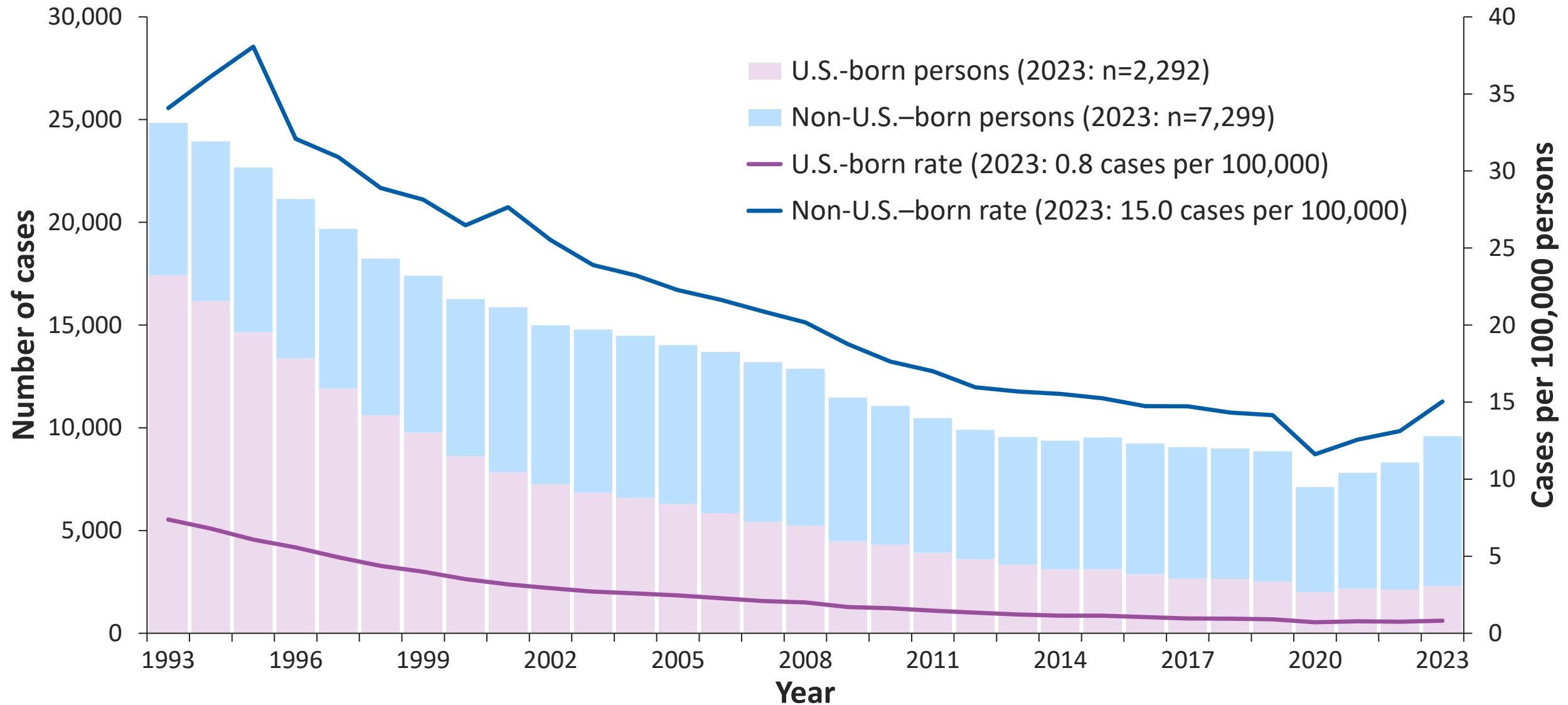
TB Incidence Rates* by Reporting Area, United States, 2023



*Cases per 100,000 persons

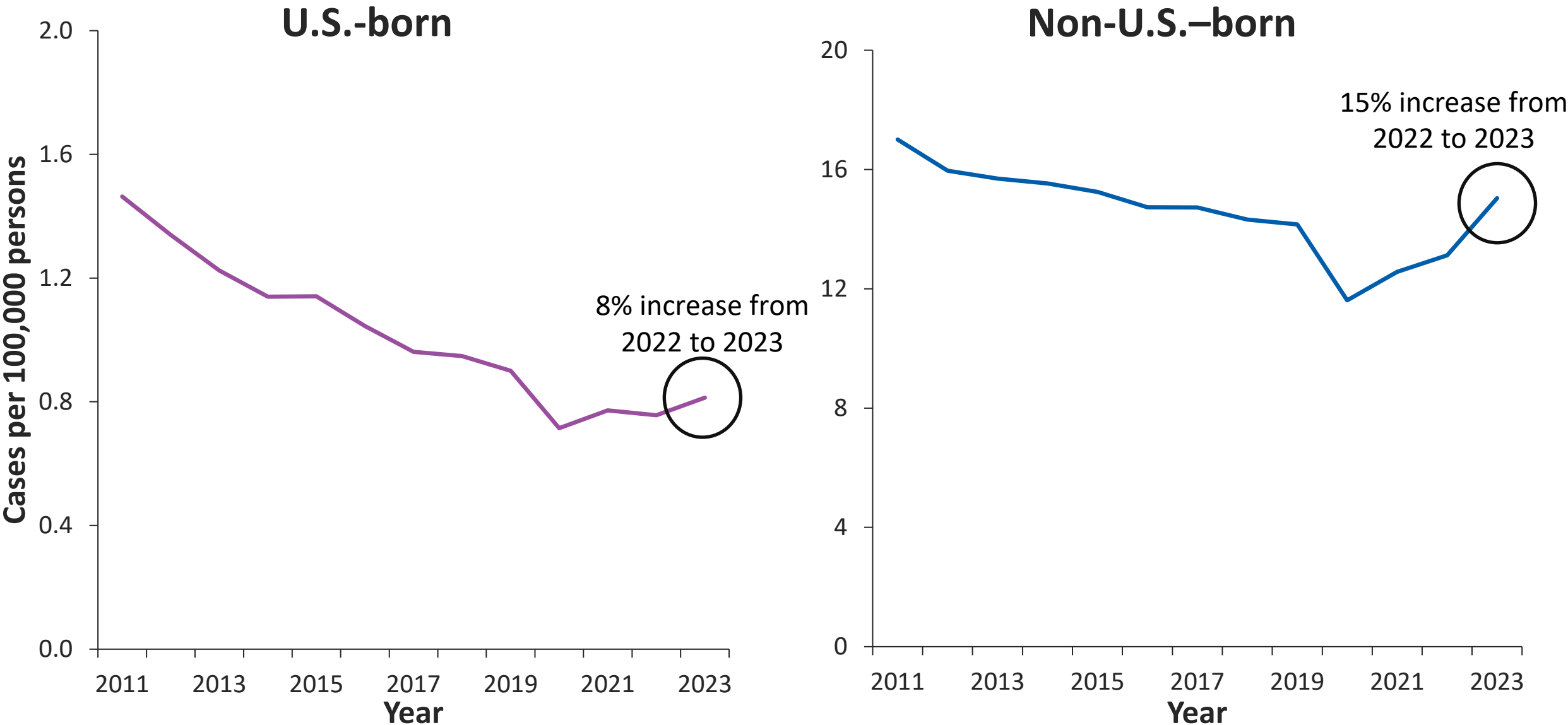
[†]Includes New York City

TB Cases and Incidence Rates by Origin of Birth,* United States, 1993–2023



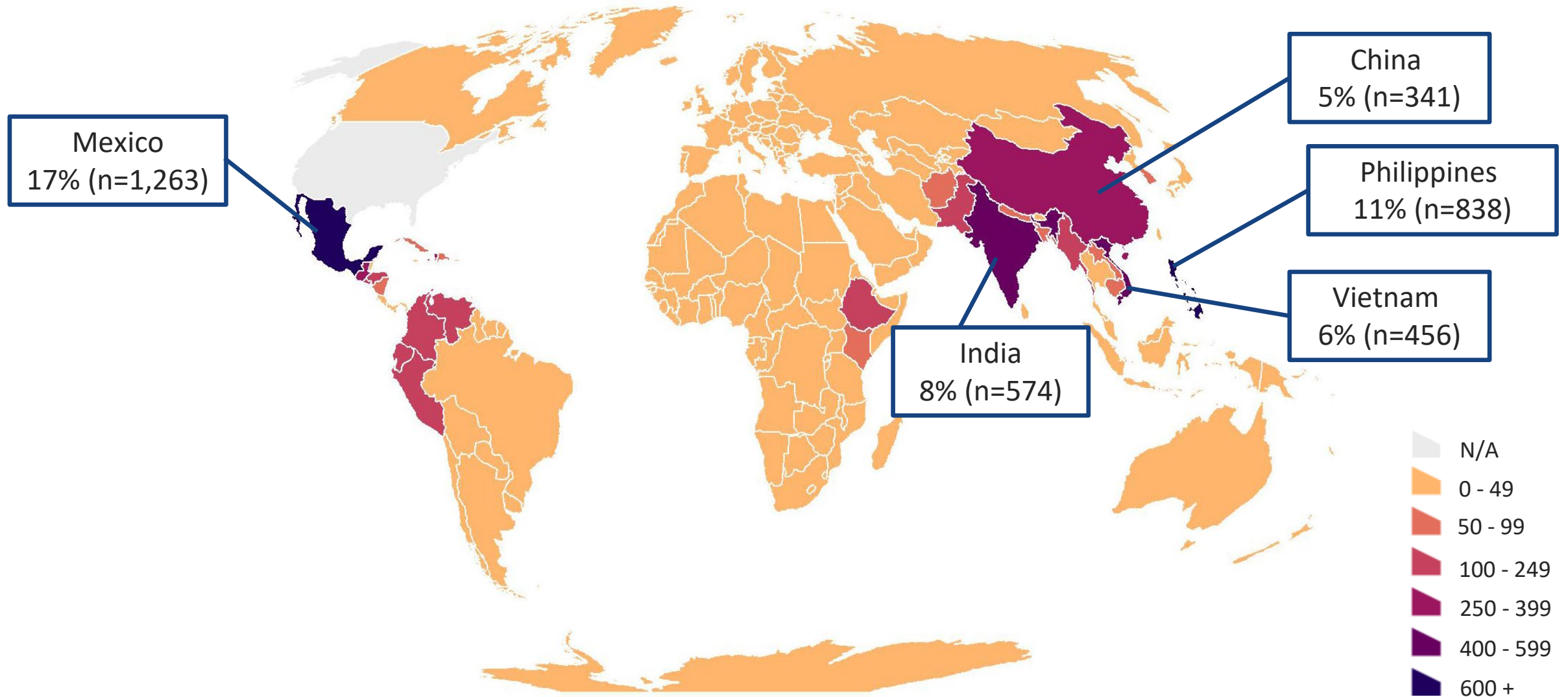
*Persons born in the United States, certain U.S. territories, or elsewhere to at least one U.S. citizen parent are categorized as U.S.-born. All other persons are categorized as non-U.S.-born.

TB Incidence Rates by Origin of Birth,* United States, 2011–2023



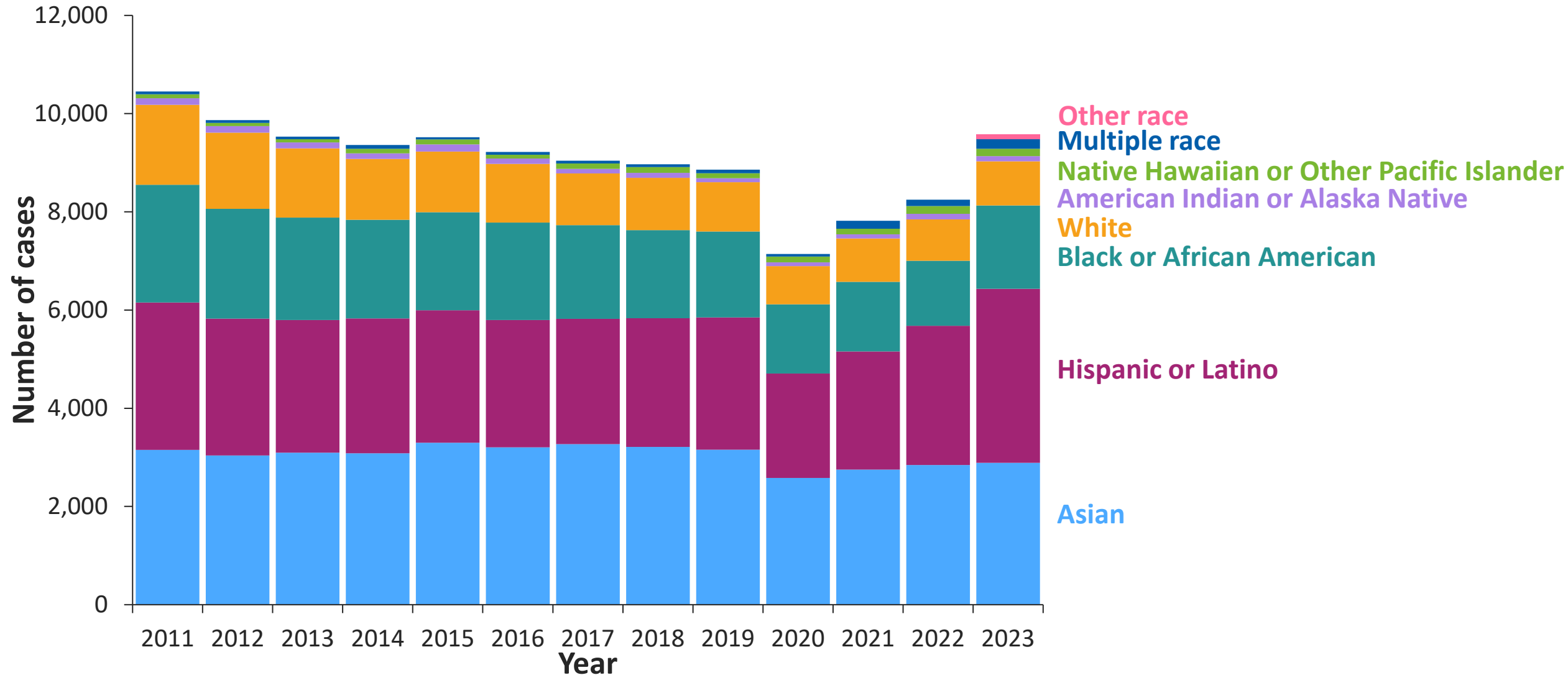
*Persons born in the United States, certain U.S. territories, or elsewhere to at least one U.S. citizen parent are categorized as U.S.-born. All other persons are categorized as non-U.S.-born.

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



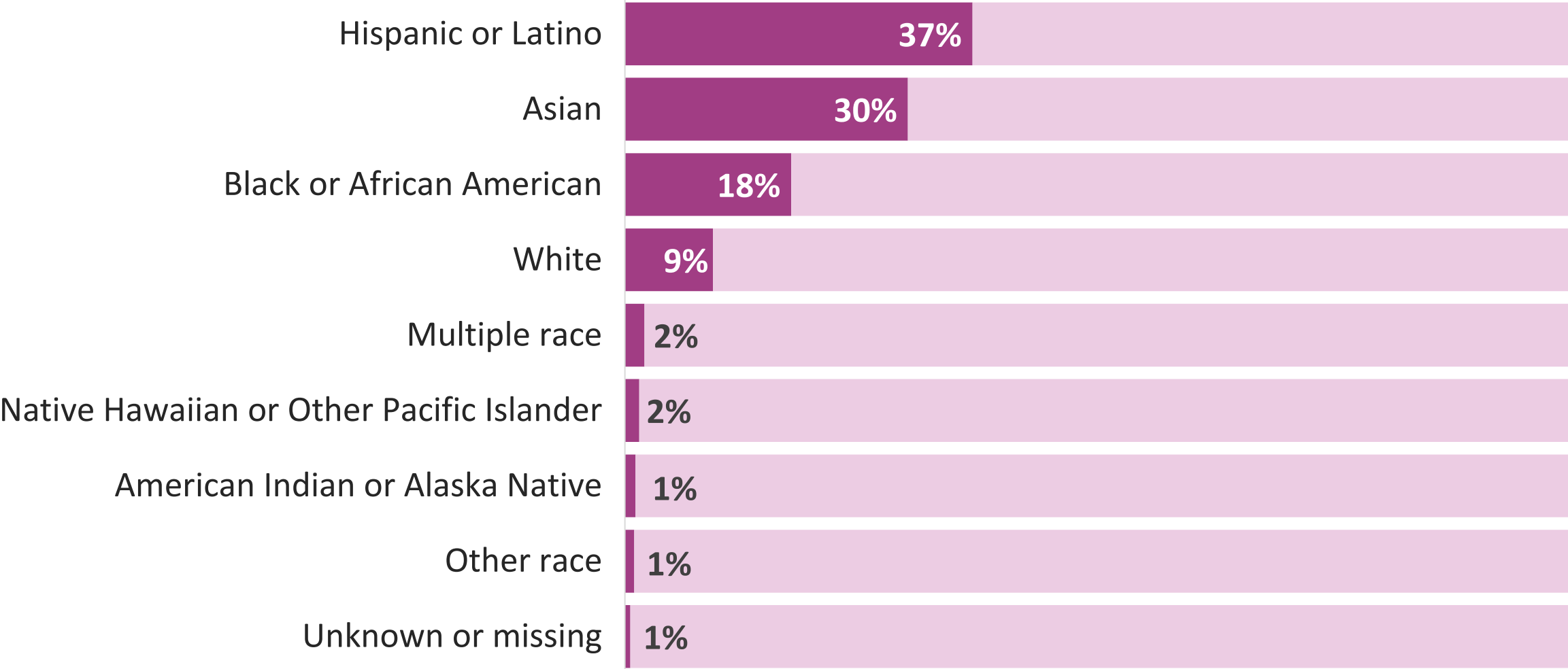
*Persons born in the United States, certain U.S. territories, or elsewhere to at least one U.S. citizen parent are categorized as U.S.-born. All other persons are categorized as non-U.S.–born.

TB Cases by Race/Ethnicity,* United States, 2011–2023



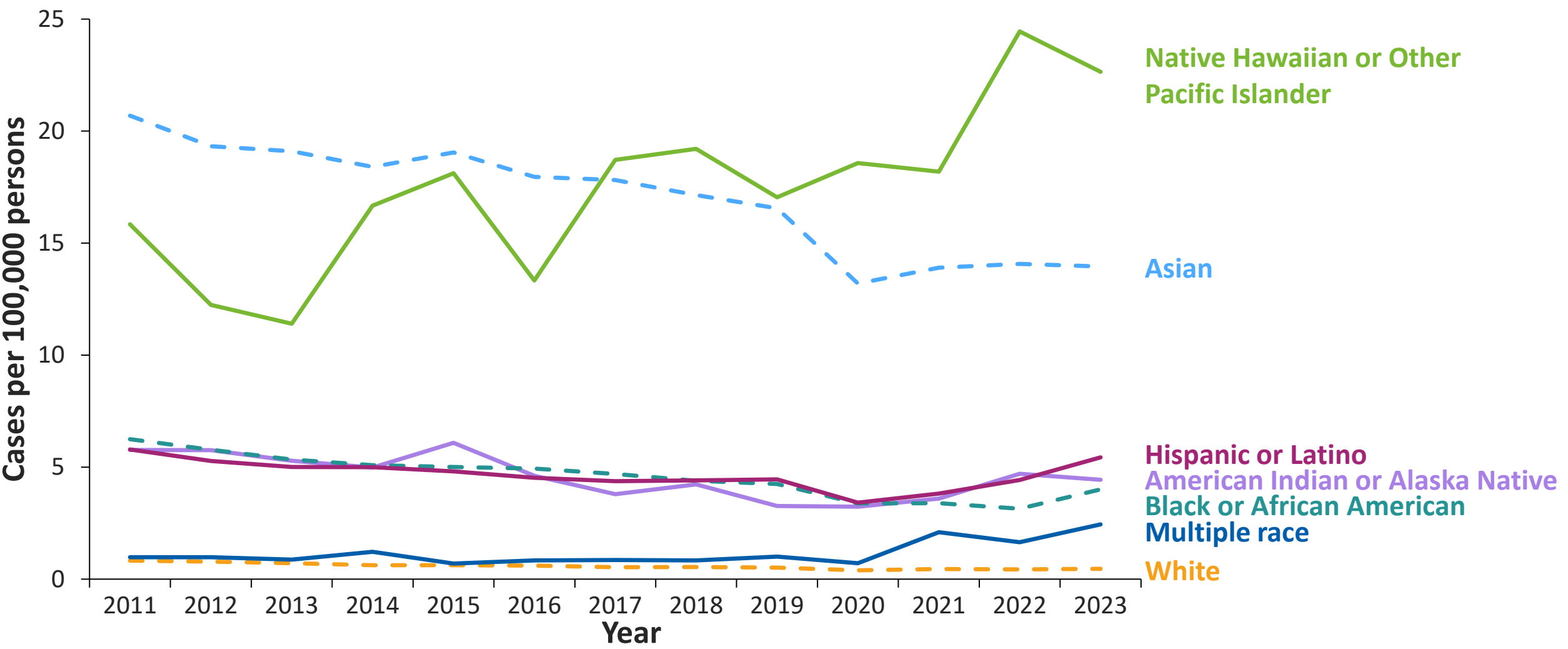
*Persons who identified as Hispanic or Latino were categorized as "Hispanic," regardless of self-reported race. Persons who did not identify as Hispanic or Latino were categorized by self-reported race; if more than one race was reported, the person was categorized as "Multiple race." "Other race" was first reported as a new race category in 2023.
Note: The increase in numbers and percentages of persons identified as "Multiple race" might be related to changes in processing and transmission of race data for 2023 cases as compared to previous years.

Percentage of TB Cases by Race/Ethnicity,* United States, 2023 (N=9,633)



*Persons who identified as Hispanic or Latino were categorized as "Hispanic," regardless of self-reported race. Persons who did not identify as Hispanic or Latino were categorized by self-reported race; if more than one race was reported, the person was categorized as "Multiple race."
Note: The increase in numbers and percentages of persons identified as "Multiple race" might be related to changes in processing and transmission of race data for 2023 cases as compared to previous years.

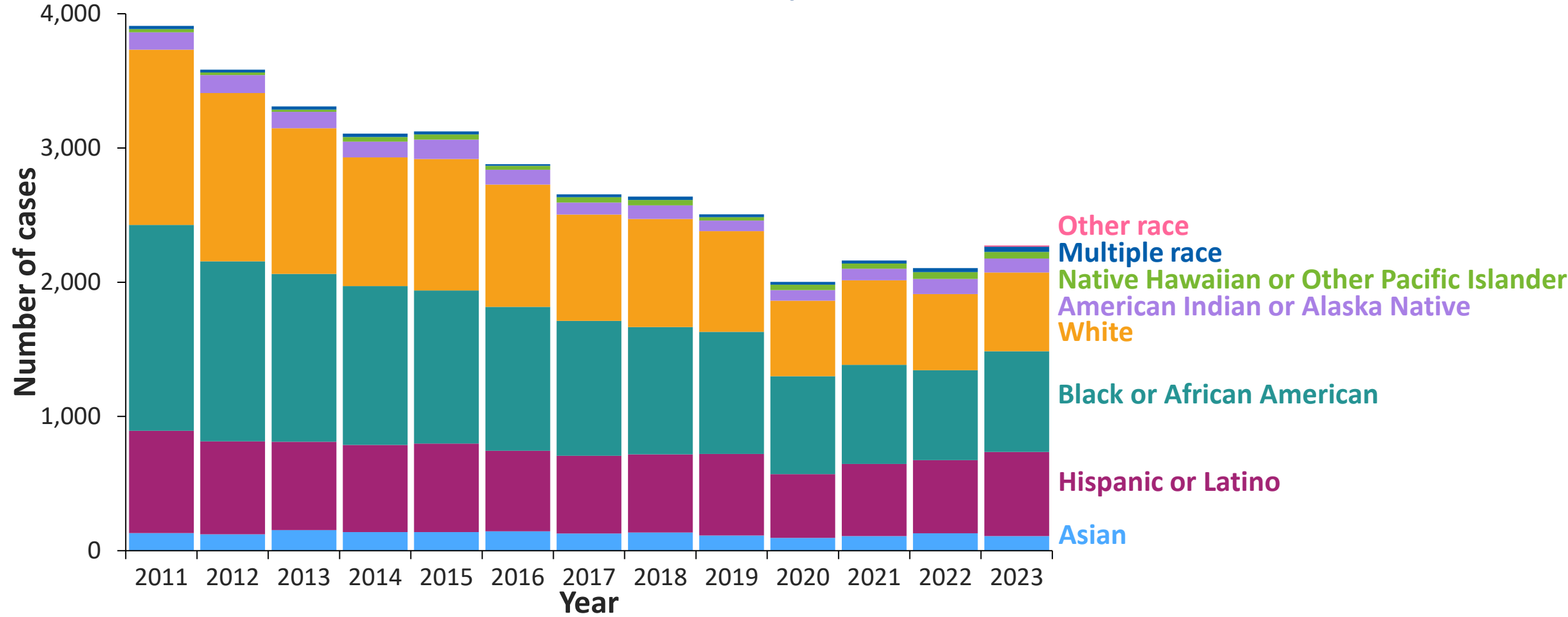
TB Incidence Rates by Race/Ethnicity,* United States, 2011–2023



*Persons who identified as Hispanic or Latino were categorized as "Hispanic," regardless of self-reported race. Persons who did not identify as Hispanic or Latino were categorized by self-reported race; if more than one race was reported, the person was categorized as "Multiple race." Population data for "Other race" were not available.

Note: The increase in numbers and percentages of persons identified as "Multiple race" might be related to changes in processing and transmission of race data for 2023 cases as compared to previous years.

TB Cases Among U.S.-Born* Persons by Race/Ethnicity,† United States, 2011–2023



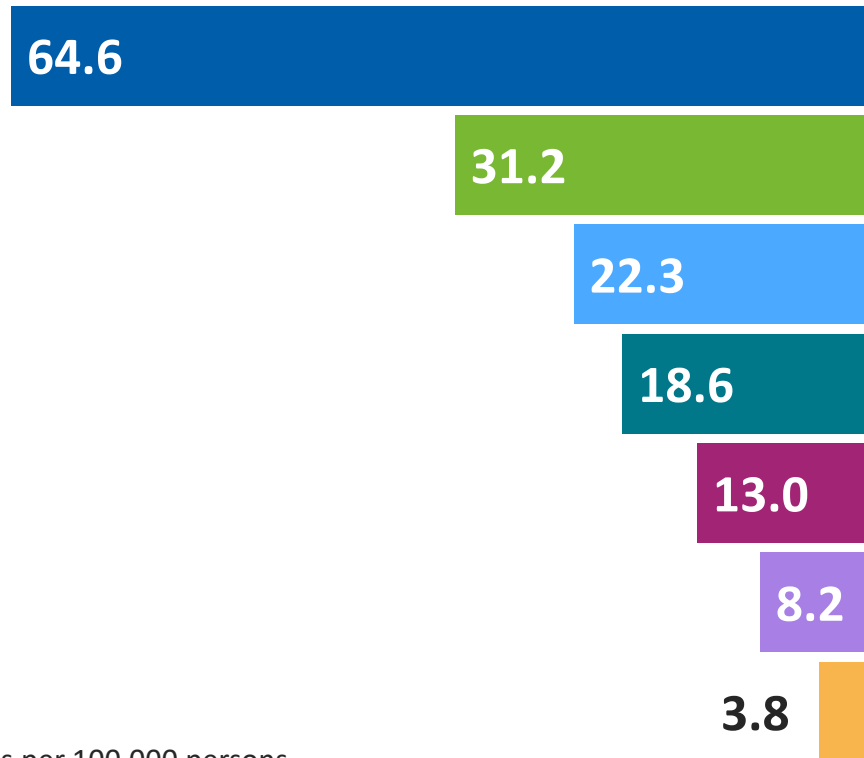
*Persons born in the United States, certain U.S. territories, or elsewhere to at least one U.S. citizen parent are categorized as U.S.-born. All other persons are categorized as non-U.S.-born.

†Persons who identified as Hispanic or Latino were categorized as "Hispanic," regardless of self-reported race. Persons who did not identify as Hispanic or Latino were categorized by self-reported race; if more than one race was reported, the person was categorized as "Multiple race." "Other race" was first reported as a new race category in 2023.

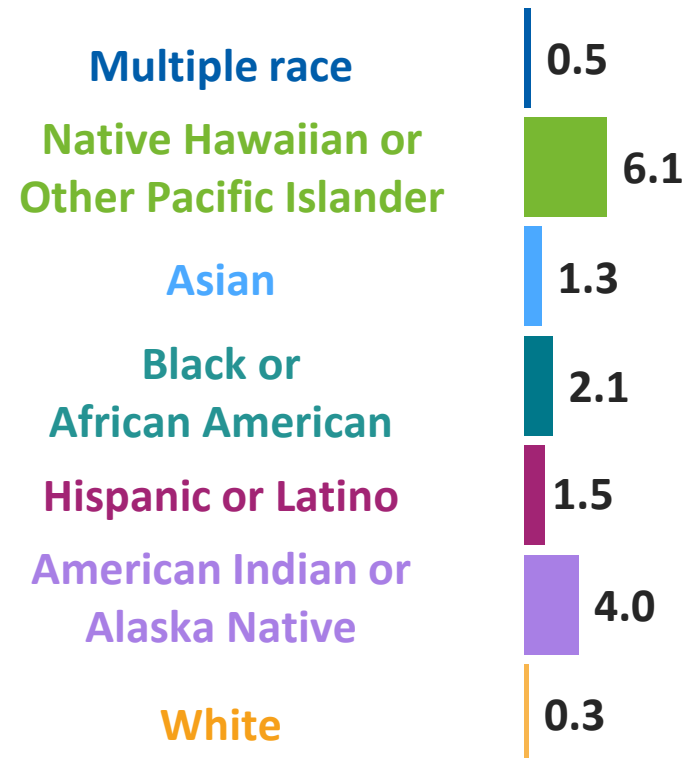
Note: The increase in numbers and percentages of persons identified as "Multiple race" might be related to changes in processing and transmission of race data for 2023 cases as compared to previous years.

TB Incidence Rates* by Origin† and Race/Ethnicity,§ United States, 2023

Non-U.S.–born persons
(N=7,299)



U.S.-born persons
(N=2,292)



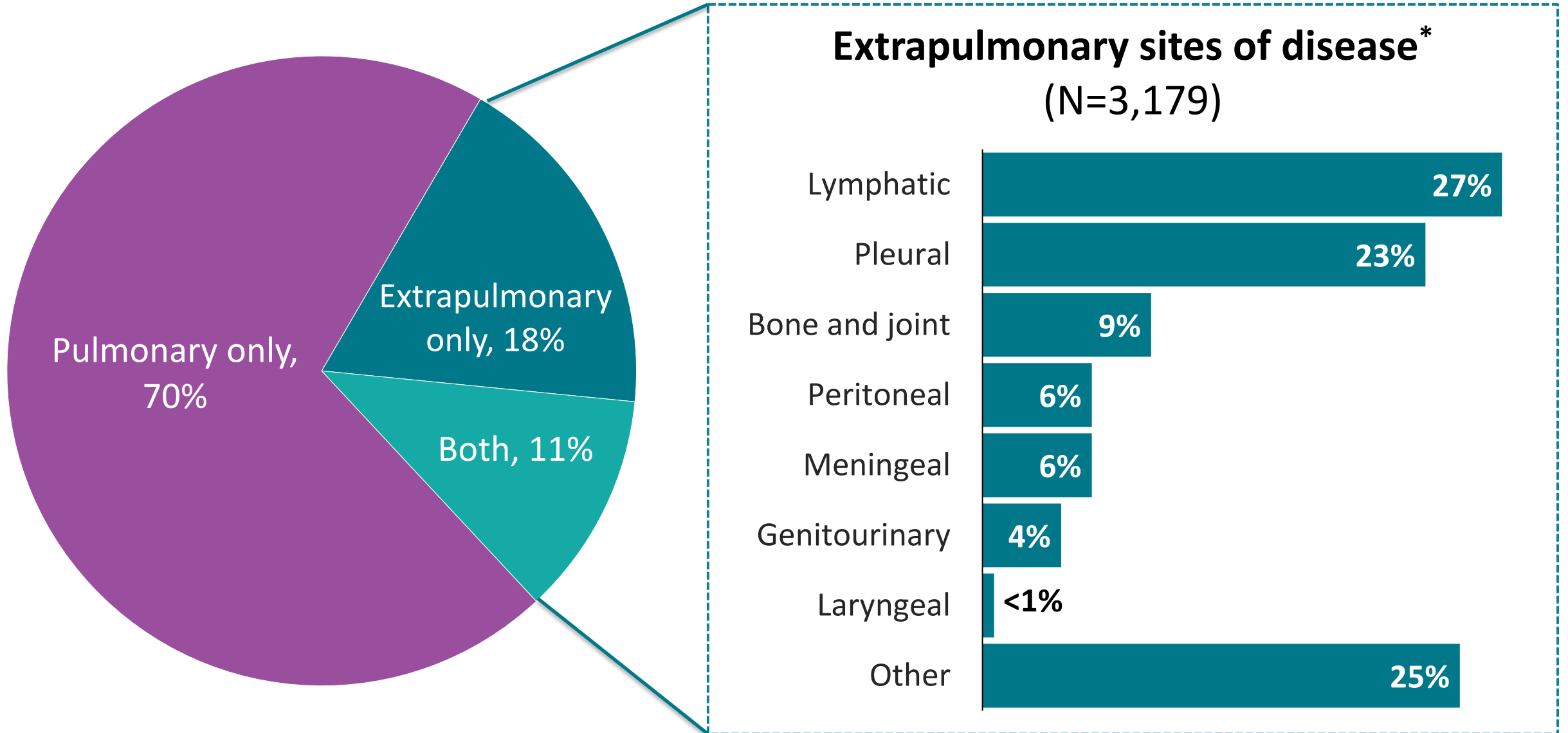
*Cases per 100,000 persons

†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.

§Persons who identified as Hispanic or Latino were categorized as "Hispanic," regardless of self-reported race. Persons who did not identify as Hispanic or Latino were categorized by self-reported race; if more than one race was reported, the person was categorized as "Multiple race."

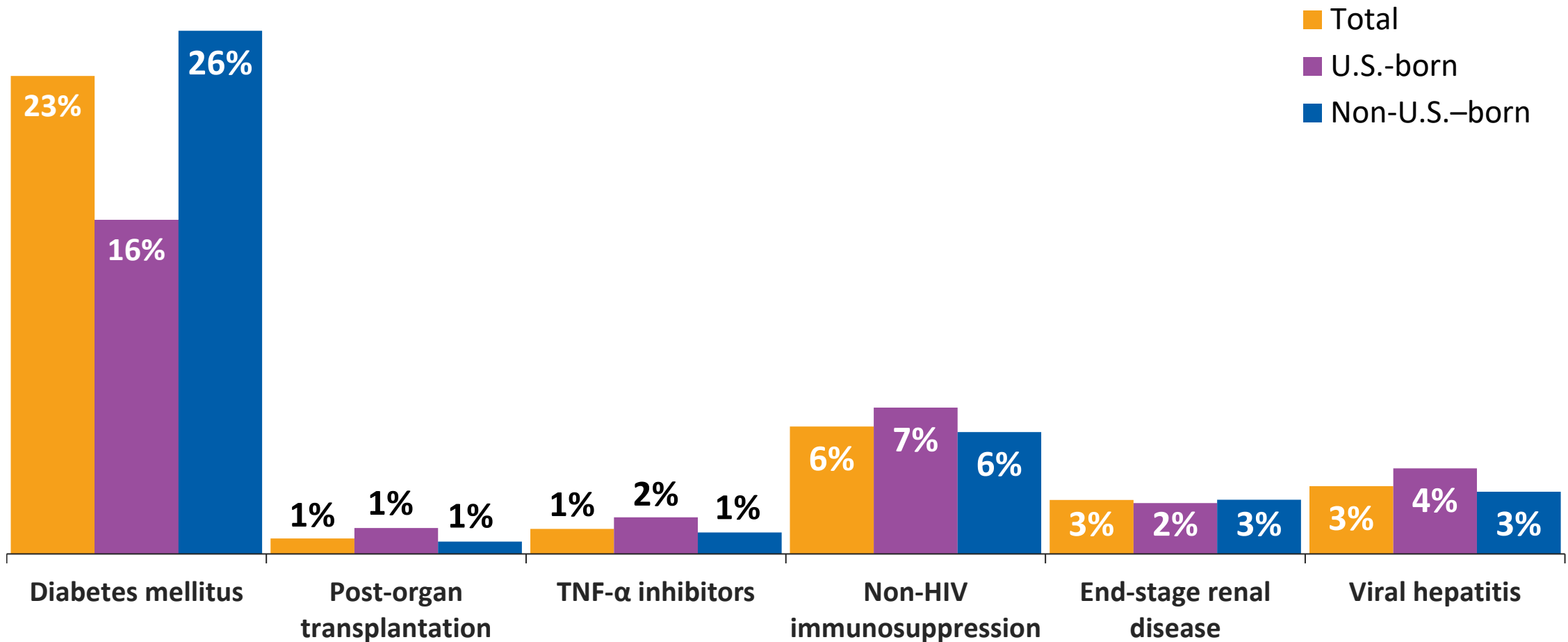
Note: The increase in numbers and percentages of persons identified as "Multiple race" might be related to changes in processing and transmission of race data for 2023 cases as compared to previous years.

Percentage of TB Cases by Site of Disease, United States, 2023



* Persons might have more than one extrapulmonary site of disease.

Percentage of Selected Risk Factors Among Persons with TB by Origin of Birth,* United States, 2023

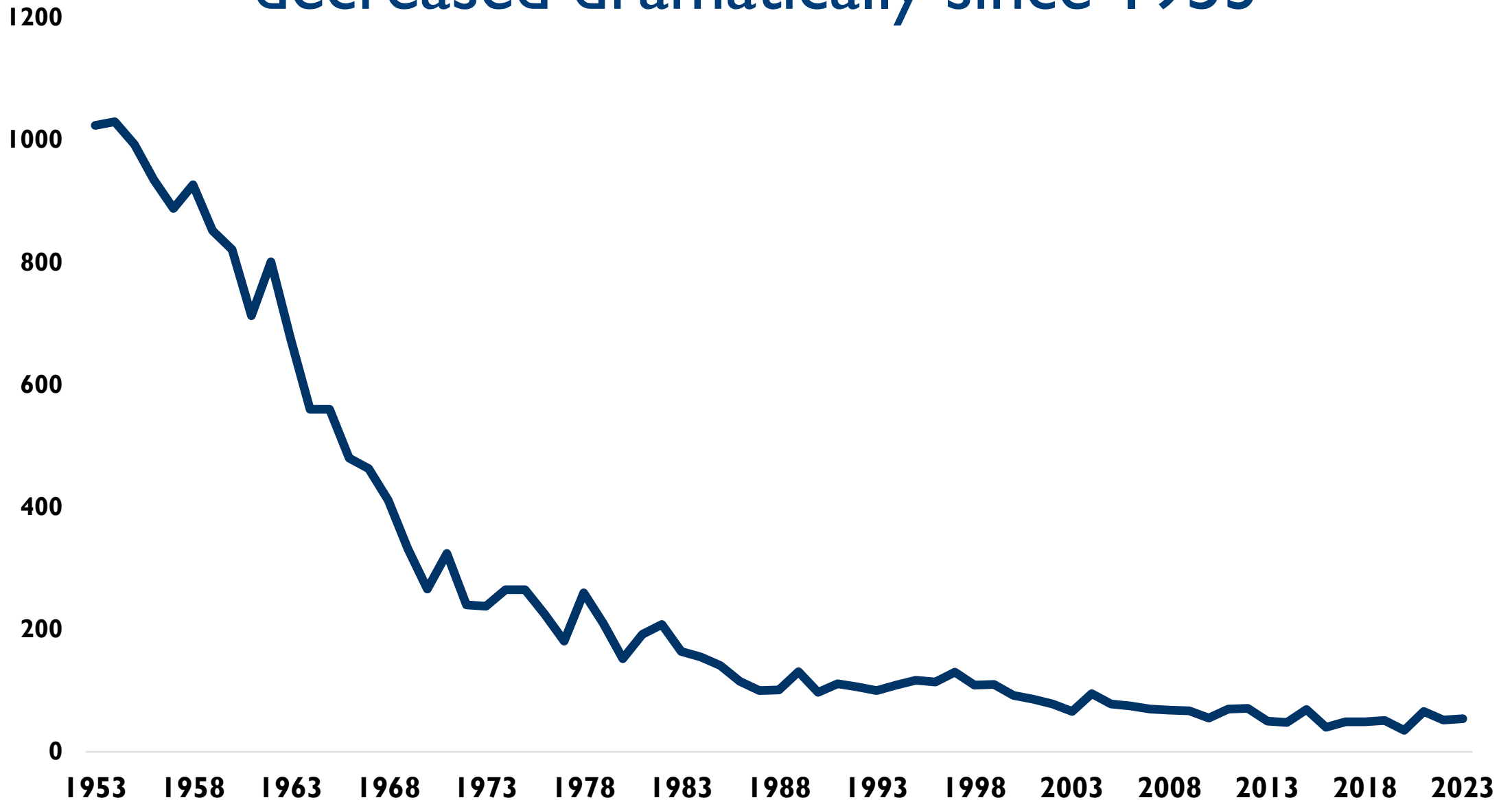


* Persons born in the United States, certain U.S. territories, or elsewhere to at least one U.S. citizen parent are categorized as U.S.-born. All other persons are categorized as non-U.S.-born.

Wisconsin Case Data

Tuberculosis Epidemiology

The reported number of people with TB (PWWTB) has decreased dramatically since 1953



Trivia Question 4



In what year was the number of people with TB in Wisconsin last over 70 people?

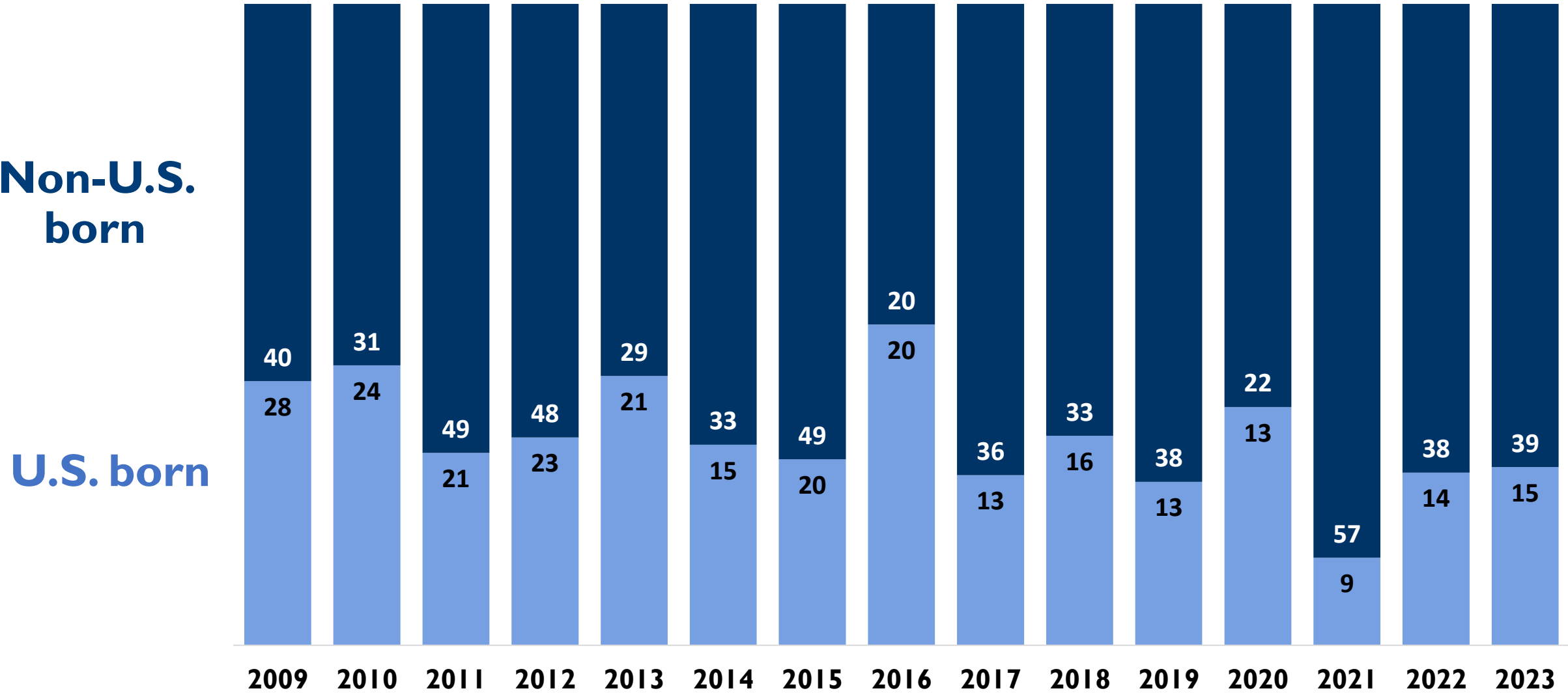
A. 2012

B. 2019

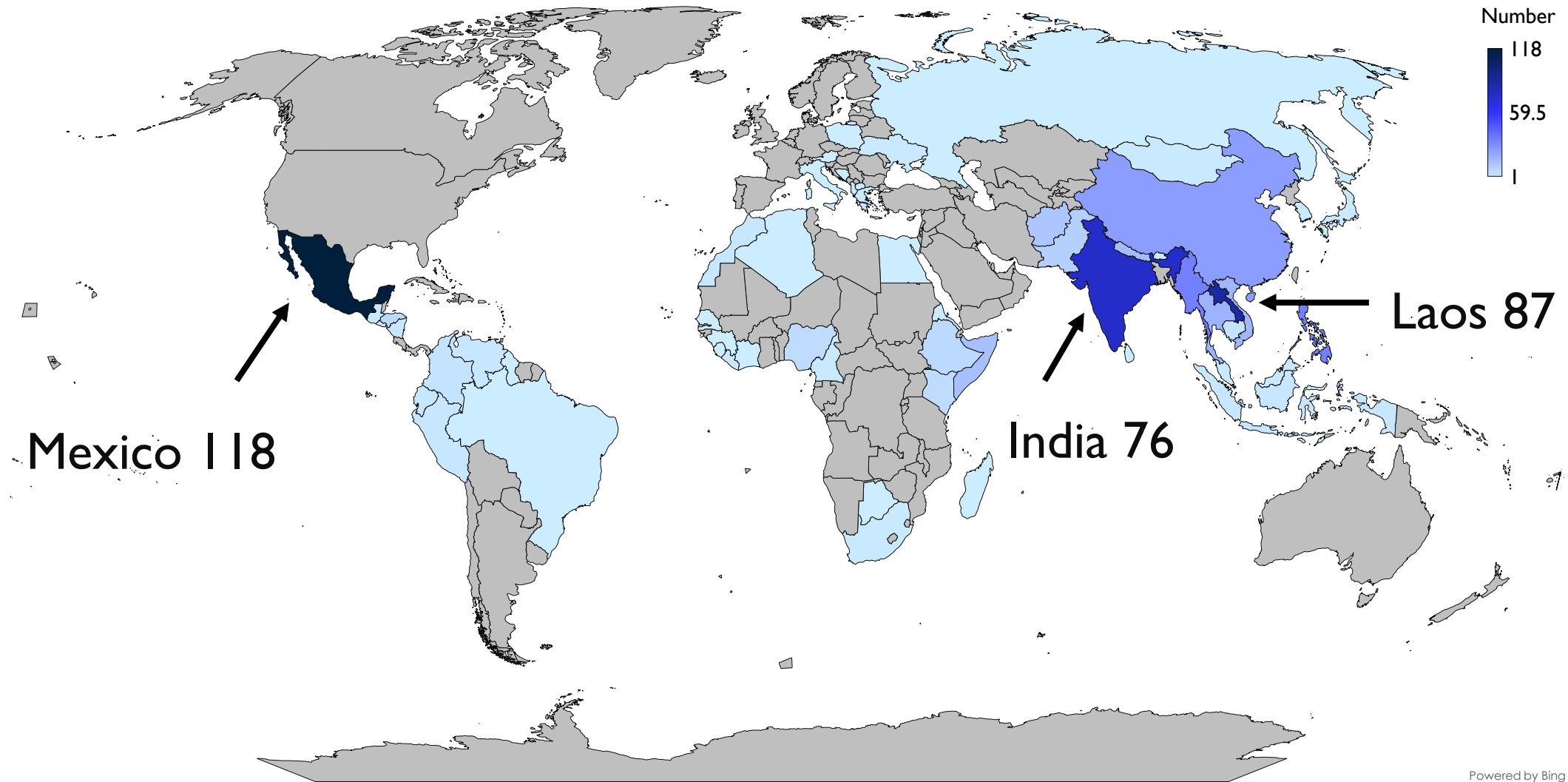
C. 1997

D. 1972

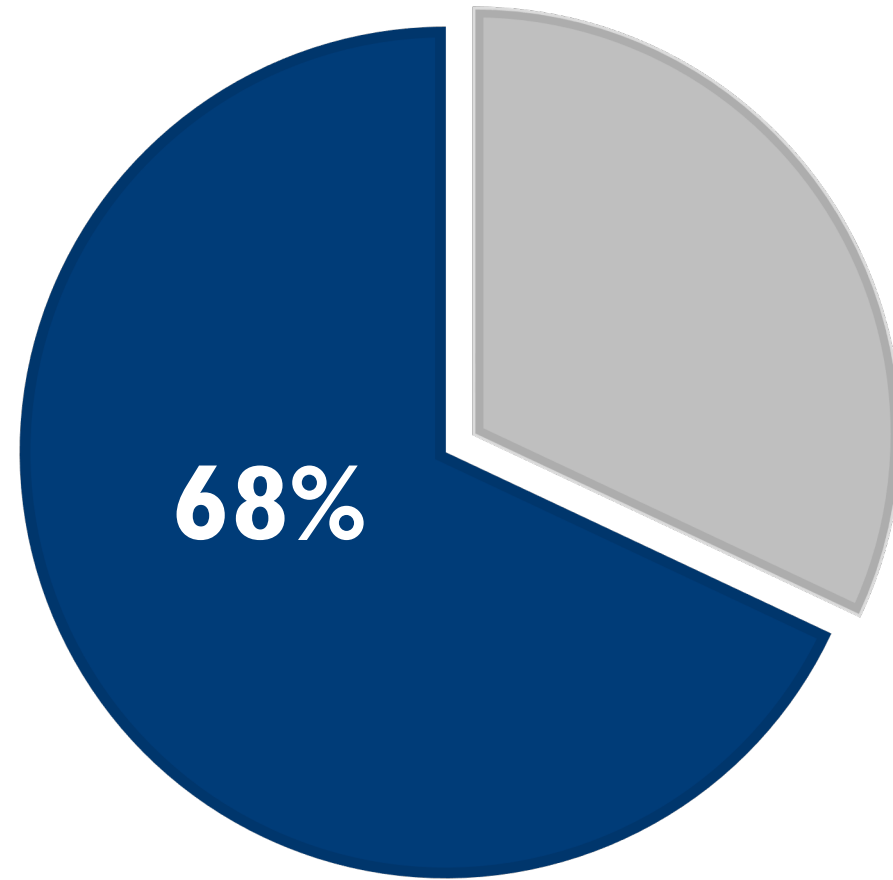
The proportion of PWWTB who were born outside the U.S. is increasing



Mexico, Laos, and India are the most common countries of birth for PWTB in Wisconsin between 2009 and 2023



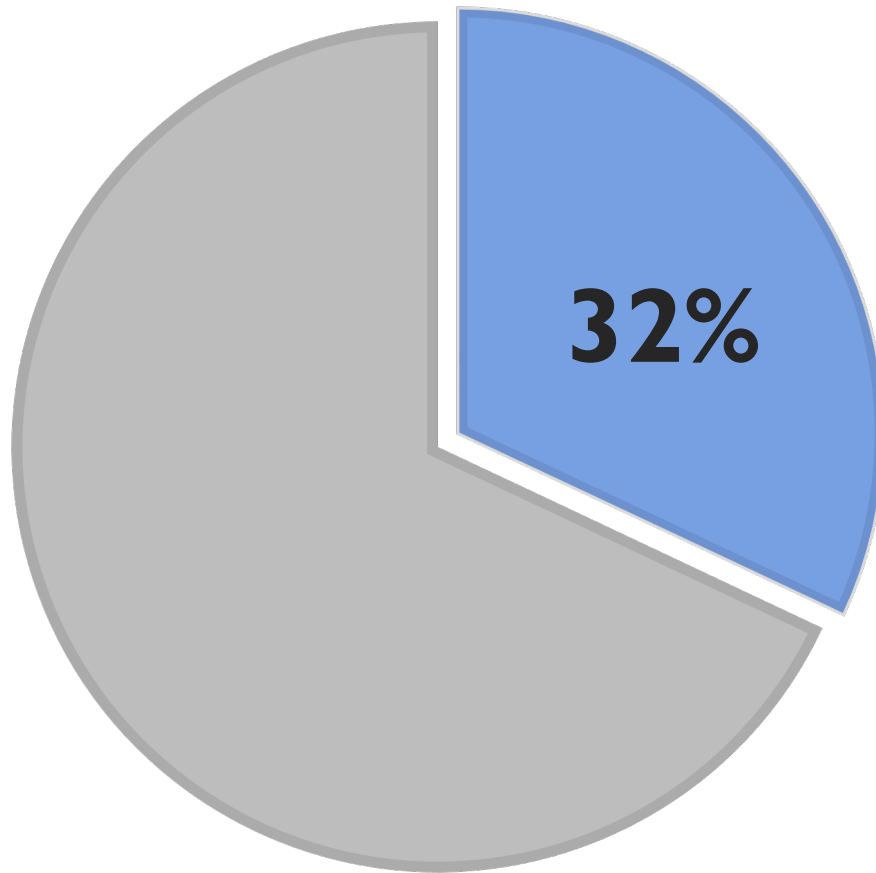
From 2009- 2023 68% of PWTB were born outside of the U.S.



Non-U.S. born
rate* 13.1

*Rates per 100,000
population calculated using
U.S. Census Bureau American
Community Survey
population estimates

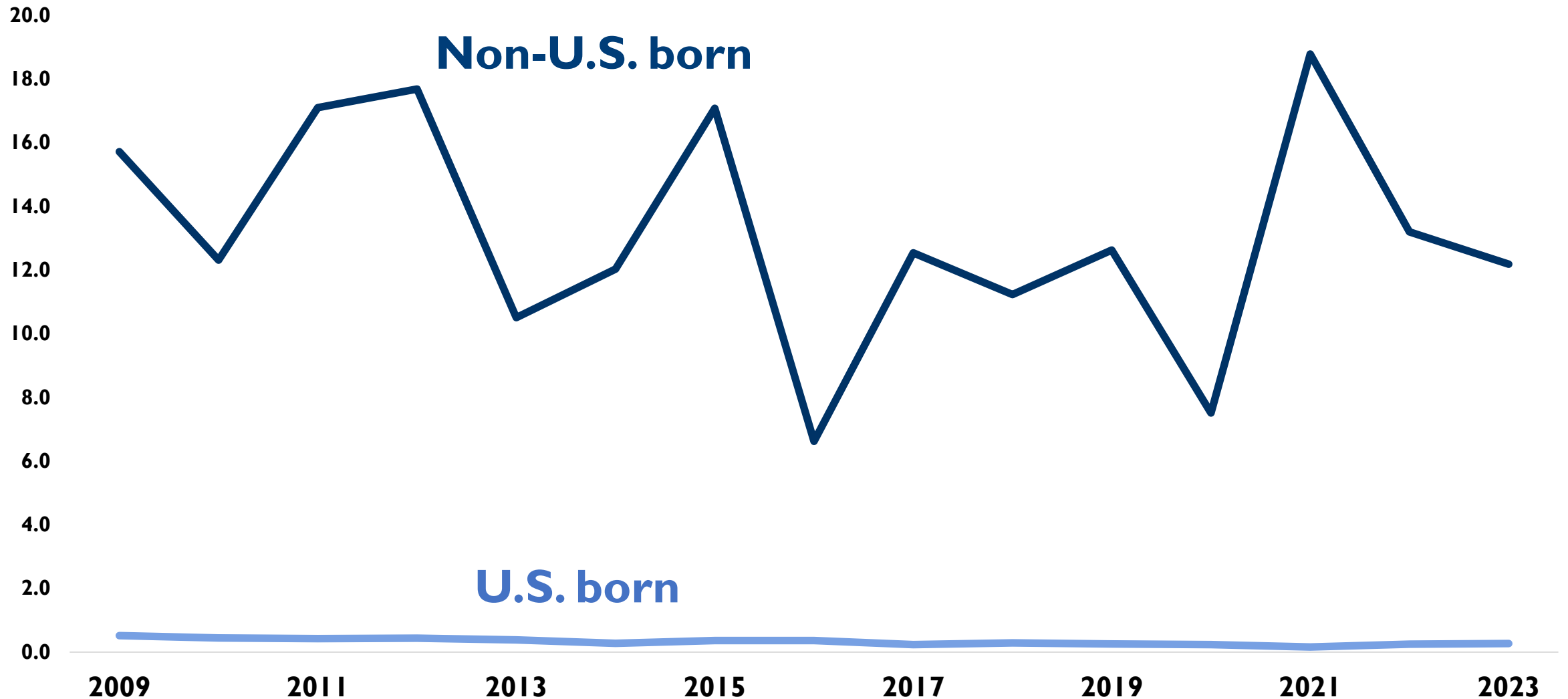
From 2009-2023 32% of PWVTB were born in the U.S.



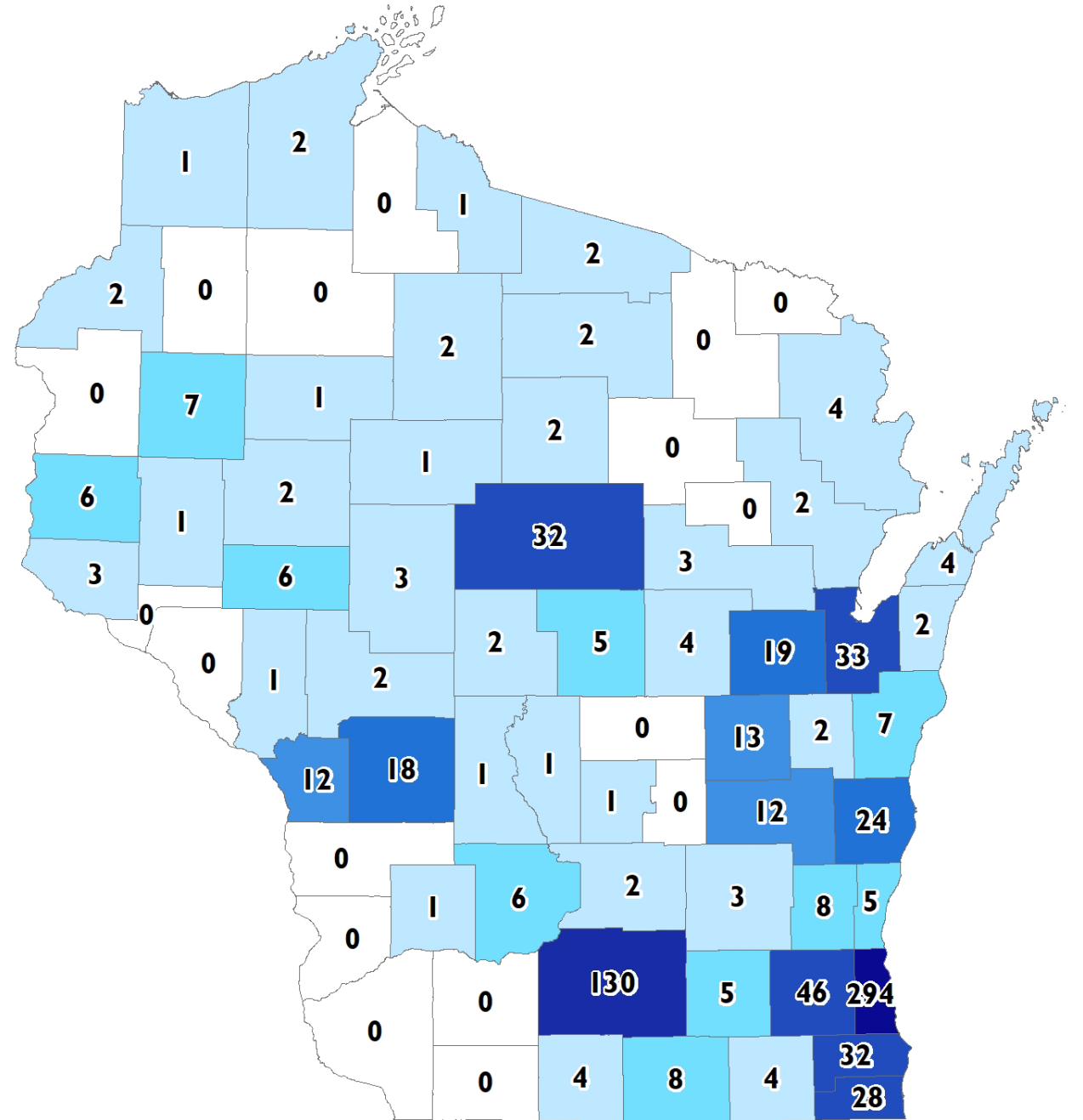
U.S. born
rate* 0.3

*Rates per 100,000
population calculated using
U.S. Census Bureau American
Community Survey
population estimates

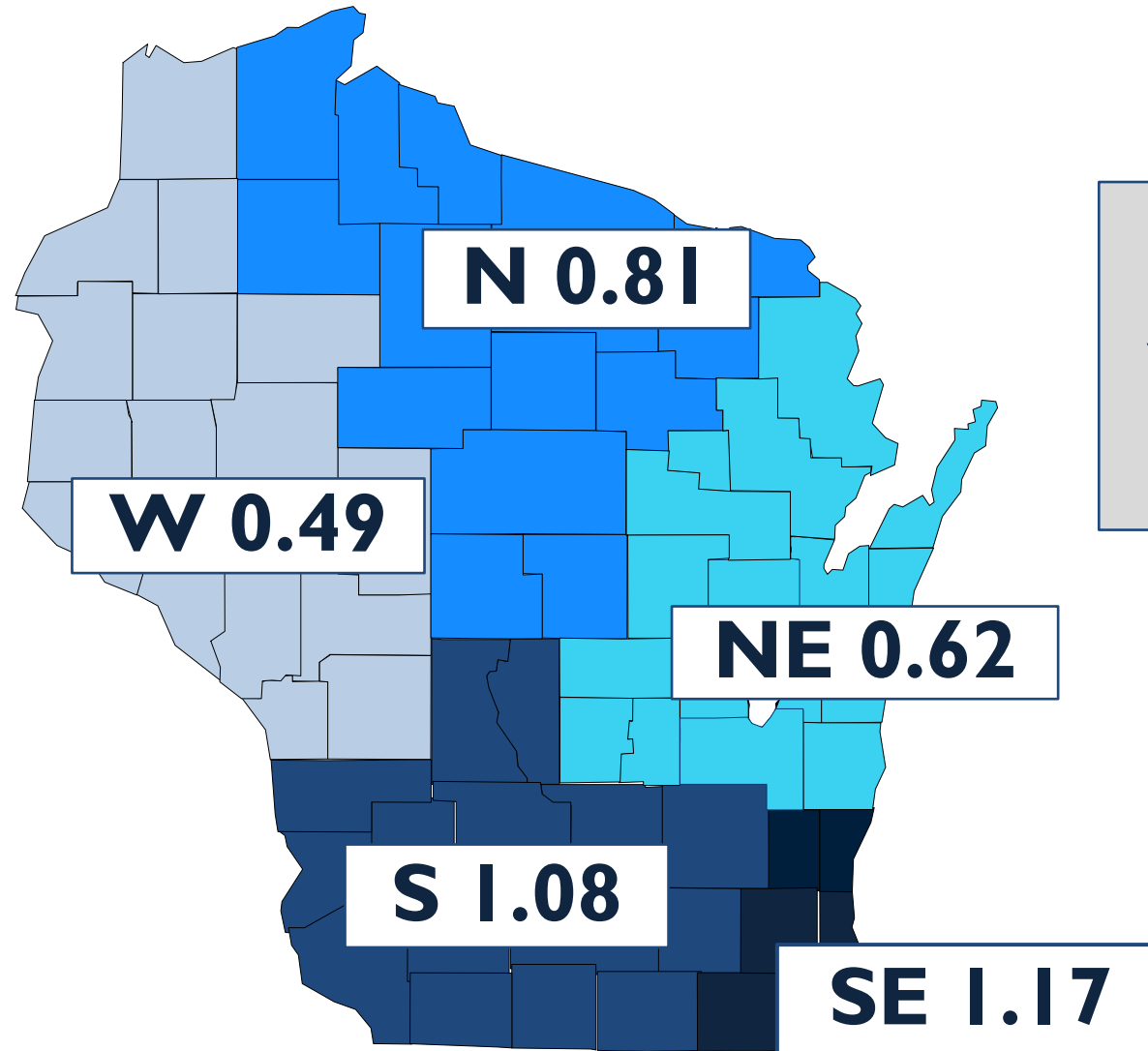
The incidence rate for non-U.S. born people is significantly higher than for U.S. born people



Most Wisconsin counties
have had at least one
PWTTB since 2009



Incidence rate by state public health region varies, the highest is in the Milwaukee area



Average 10-year incidence rate*: 0.87

*Rates per 100,000 population on this slide calculated using Wisconsin DOA annual population estimates

Trivia

Question 5



All of the following were TB Sanatoria in Wisconsin, except:

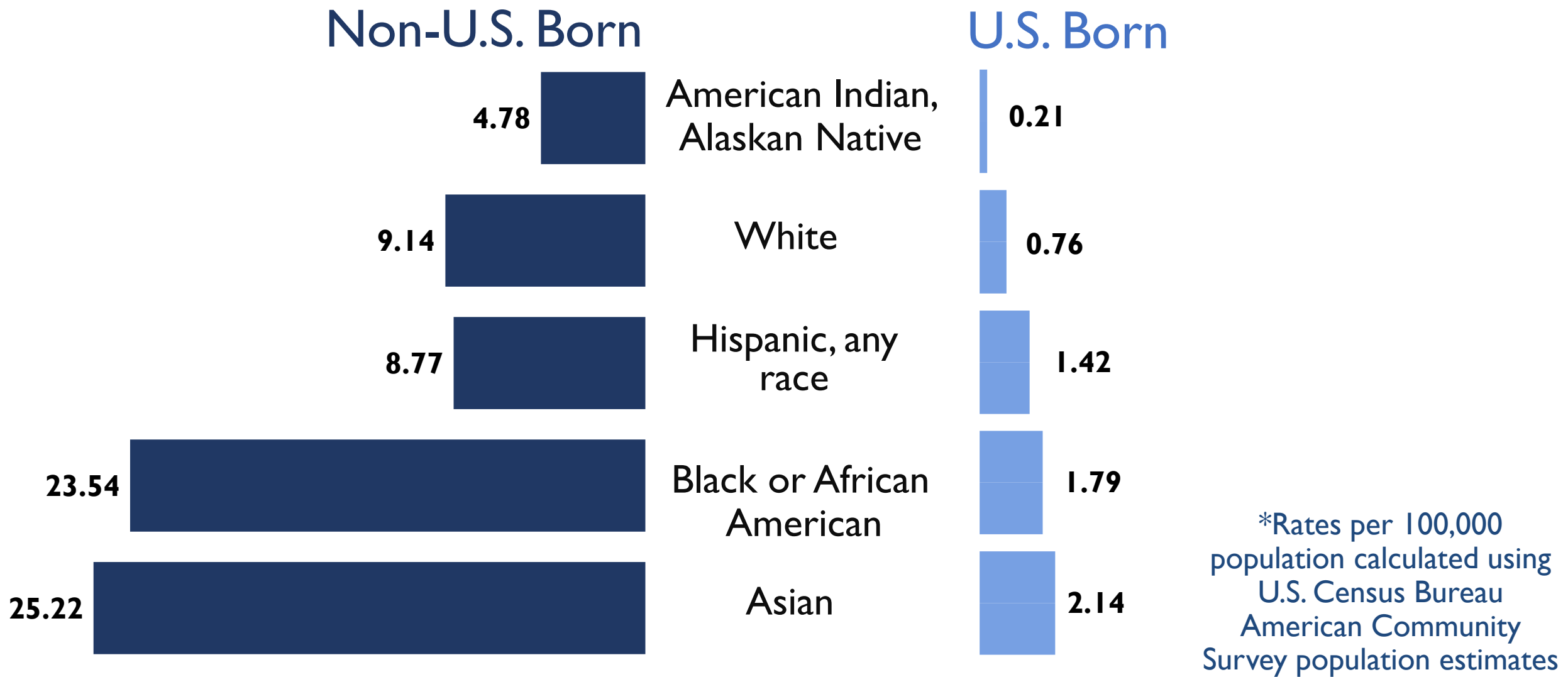
A. Lake View Sanatorium

B. Seaview Hospital

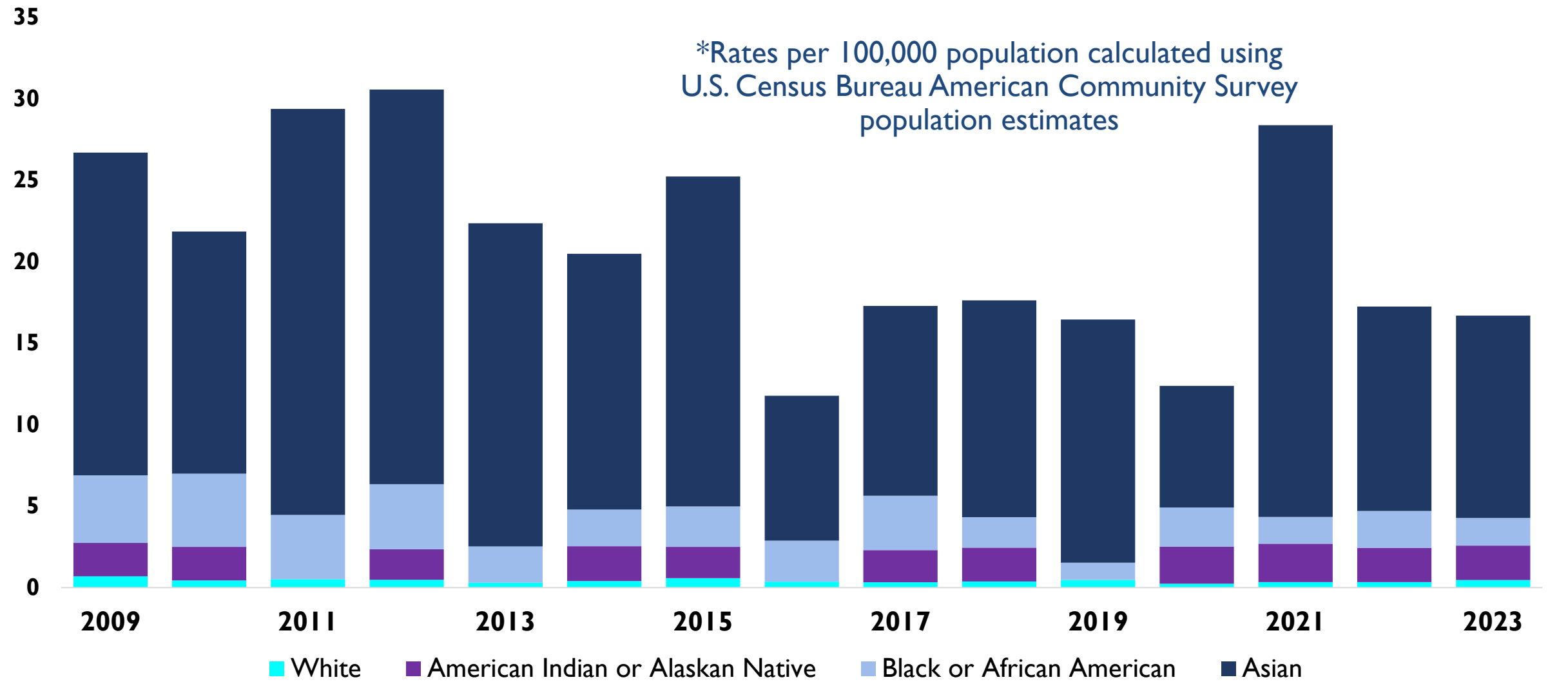
C. Muirdale Tuberculosis Hospital

D. Maple Crest Sanatorium

Rates by race and ethnicity are higher in those not born in the U.S., 2009–2023



The rate* of TB regardless of country of birth is highest in those identifying as Asian



U.S. Census American Community Survey (ACS) country of birth estimates available since 2017

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American Community Survey (ACS)

The [American Community Survey](#) (ACS) helps local officials, community leaders, and businesses understand the changes taking place in their communities. It is the premier source for detailed population and housing information about our nation.

Featured

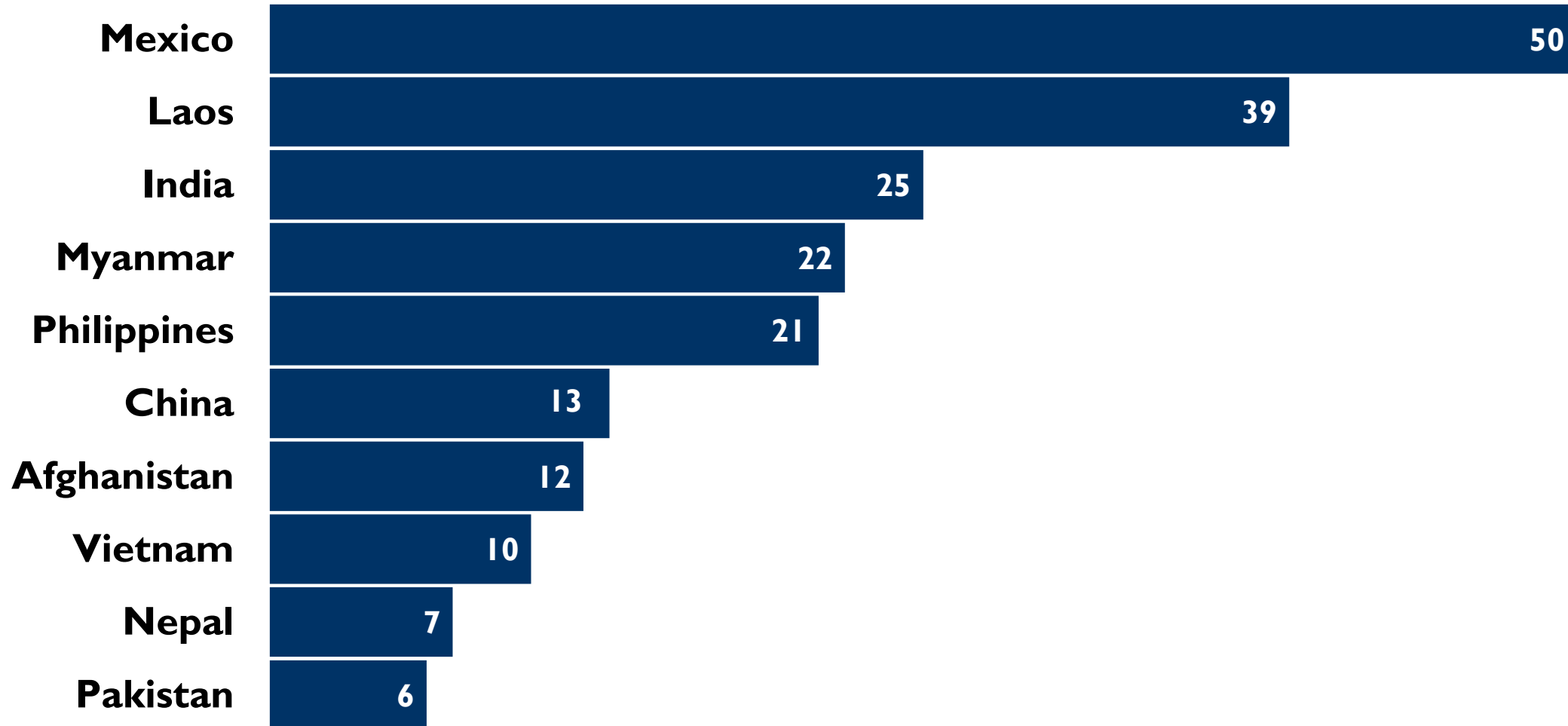
Respond to the ACS

Learn the different ways to respond to the American Community Survey – online, by phone, by email. Read our FAQs or call us for more help with the survey.

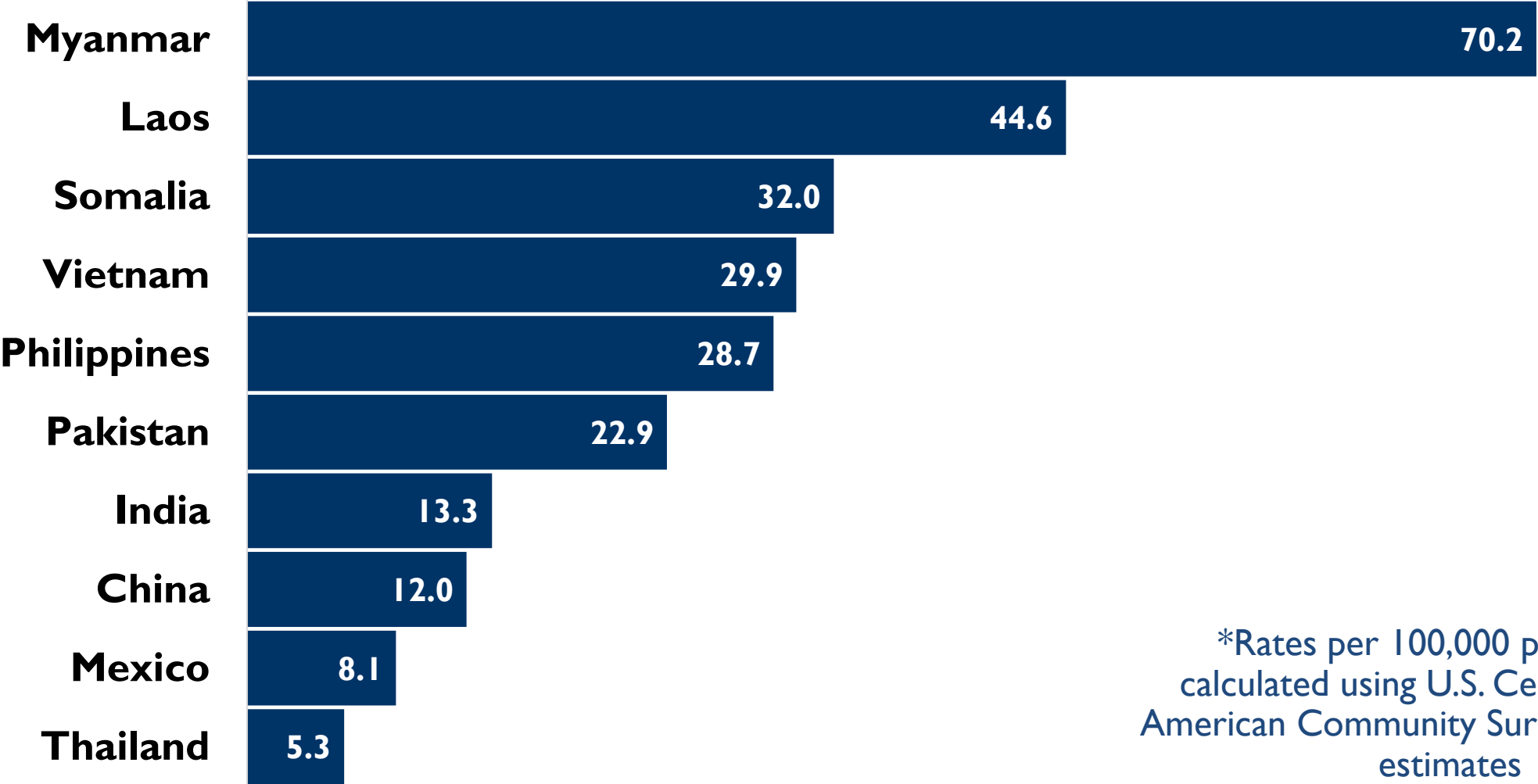


American Community Survey Data

Number of PWTB from top ten non-U.S. countries of birth, 2017–2023



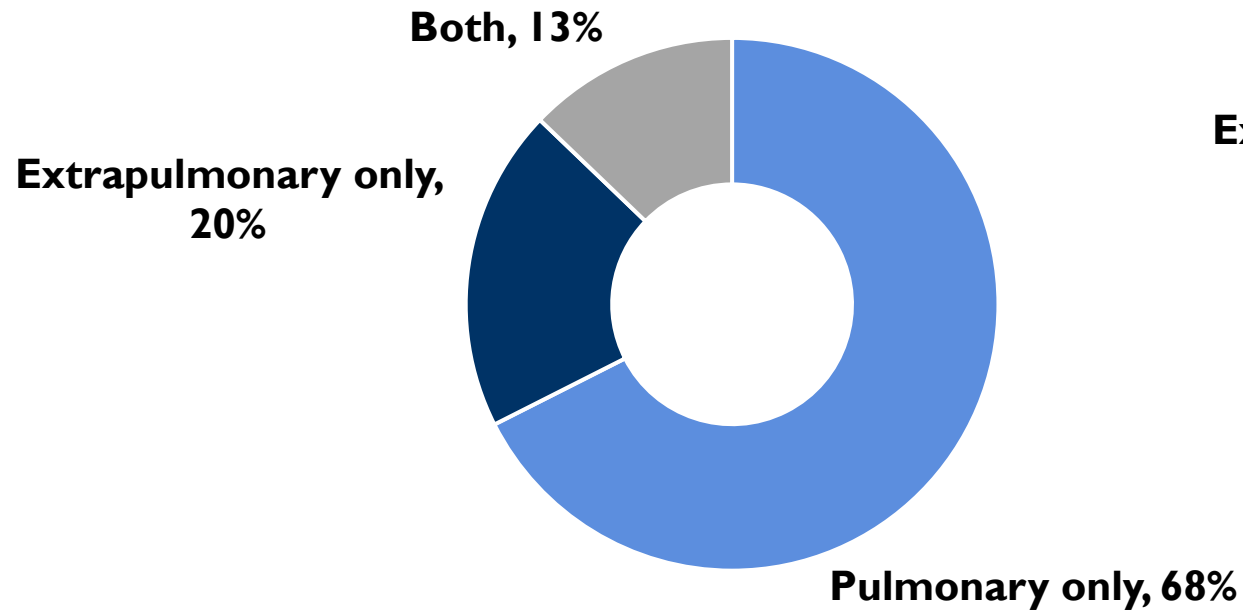
Rates* of TB in top ten non-U.S. countries of birth, 2017–2023



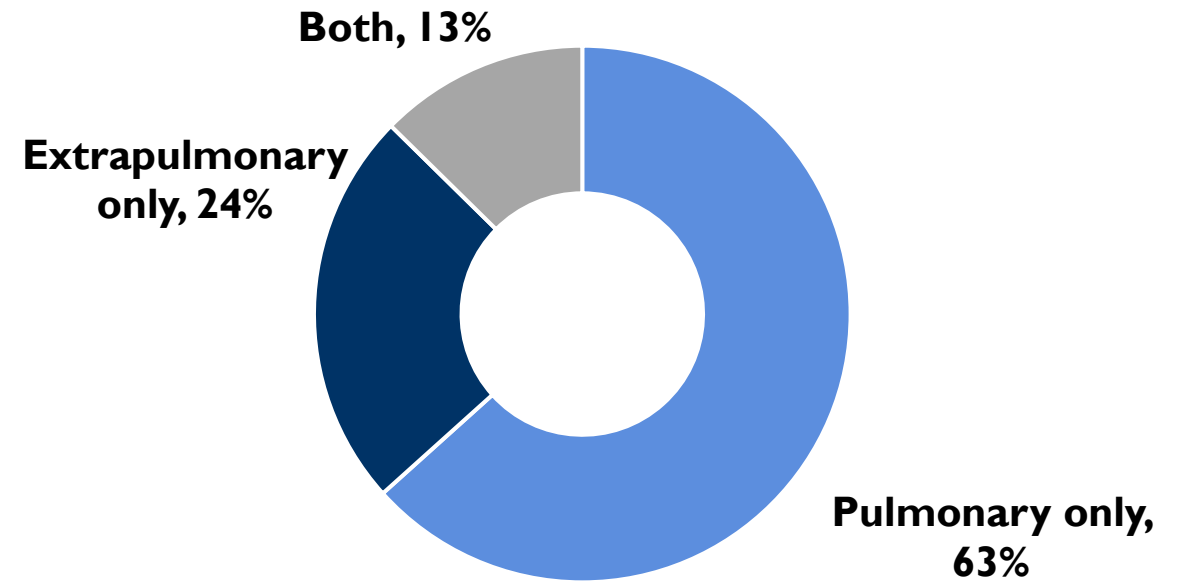
*Rates per 100,000 population
calculated using U.S. Census Bureau
American Community Survey population
estimates

More non-U.S. born PWWTB had extrapulmonary TB (EPTB) than U.S. born people, 2009–2023

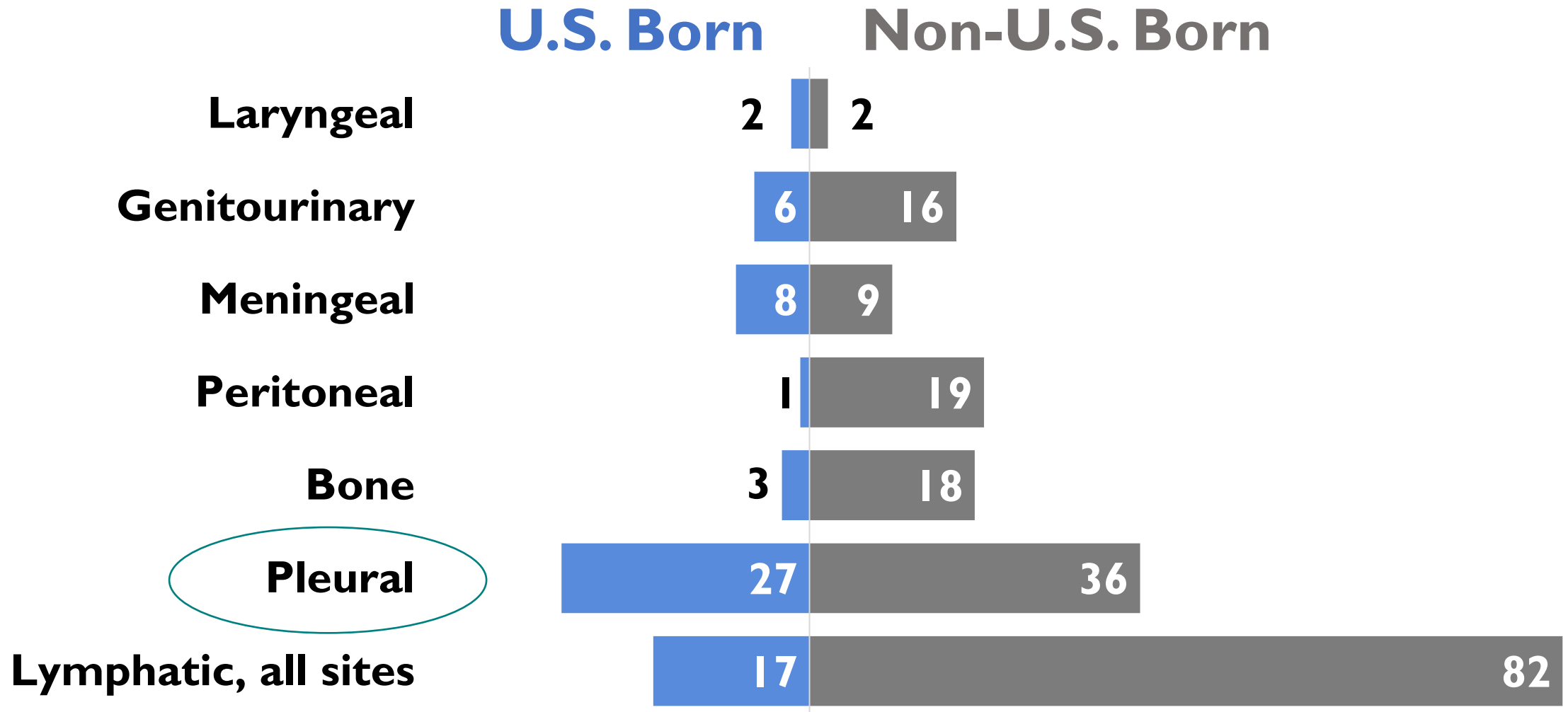
U.S. born



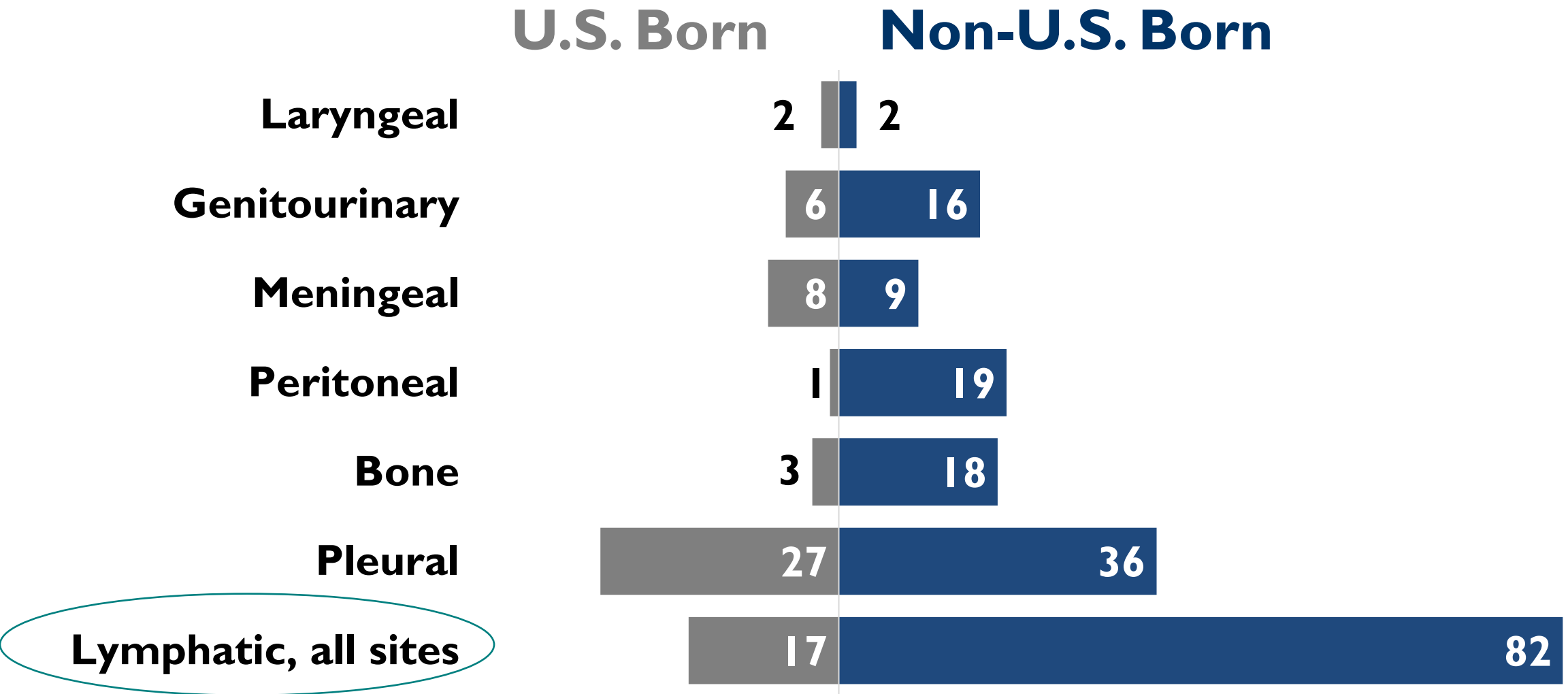
Non-U.S. born



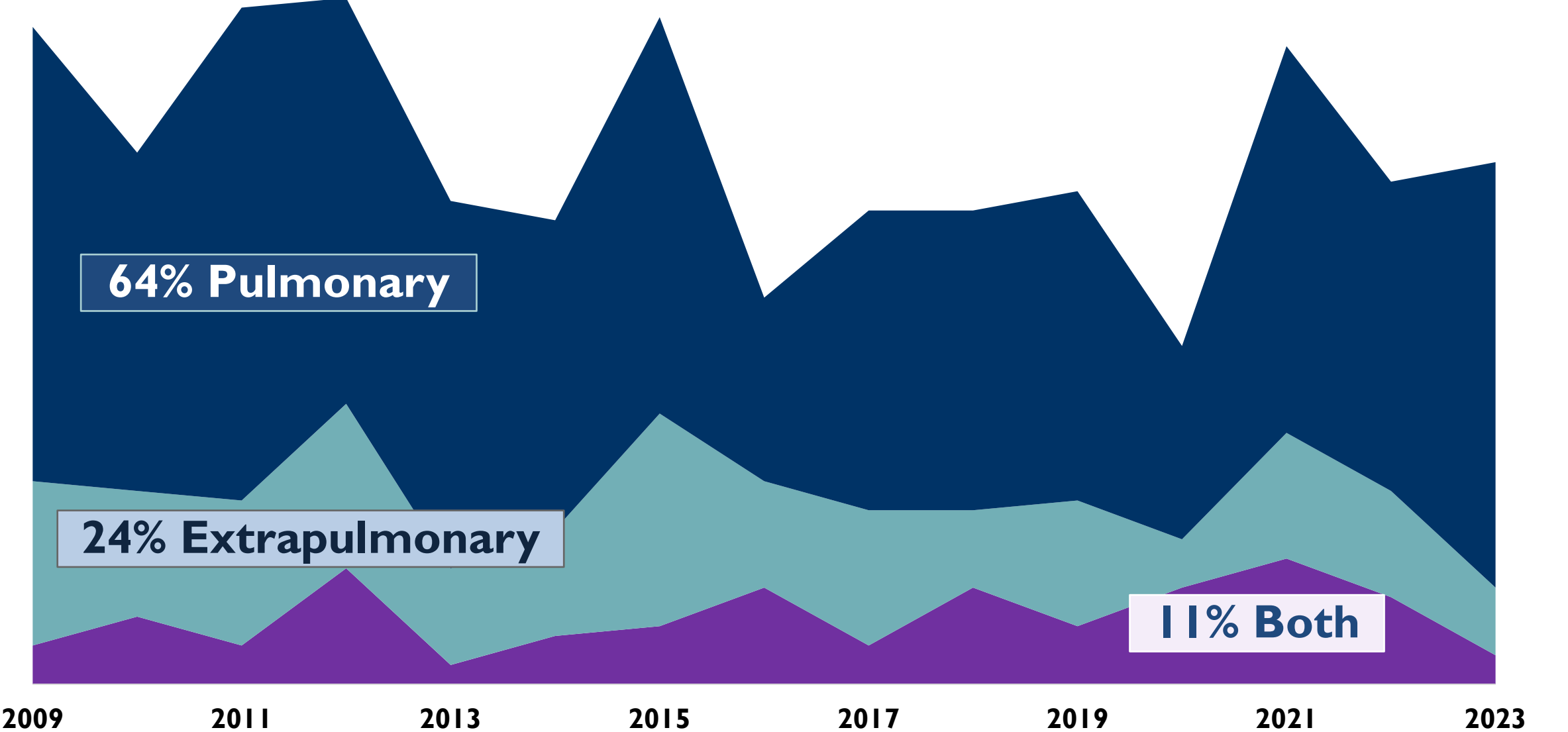
Pleural TB is the most common EPTB location for those born in the U.S., 2009–2023



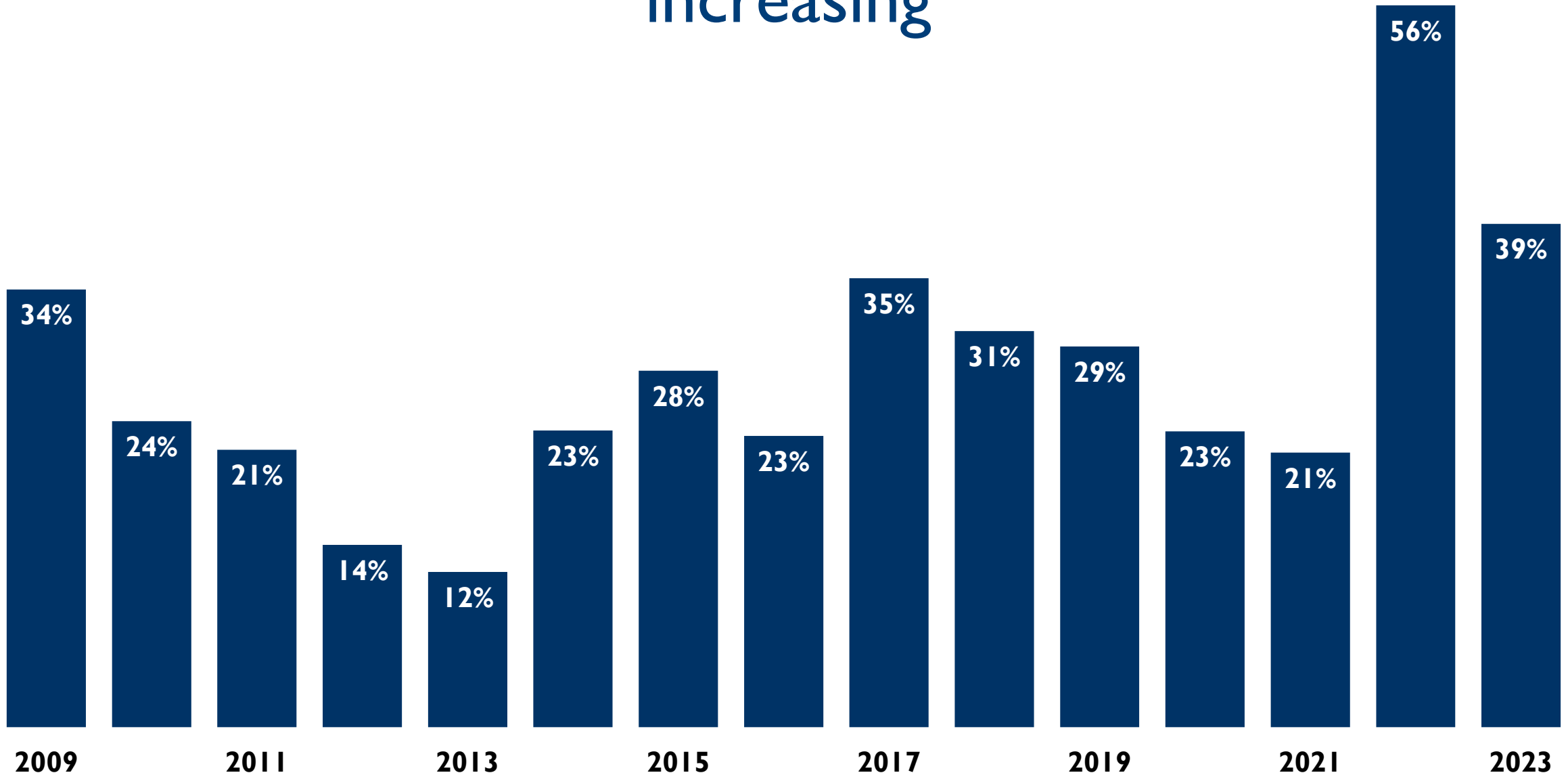
Lymphatic TB is the most common EPTB location for those born in the U.S., 2009–2023



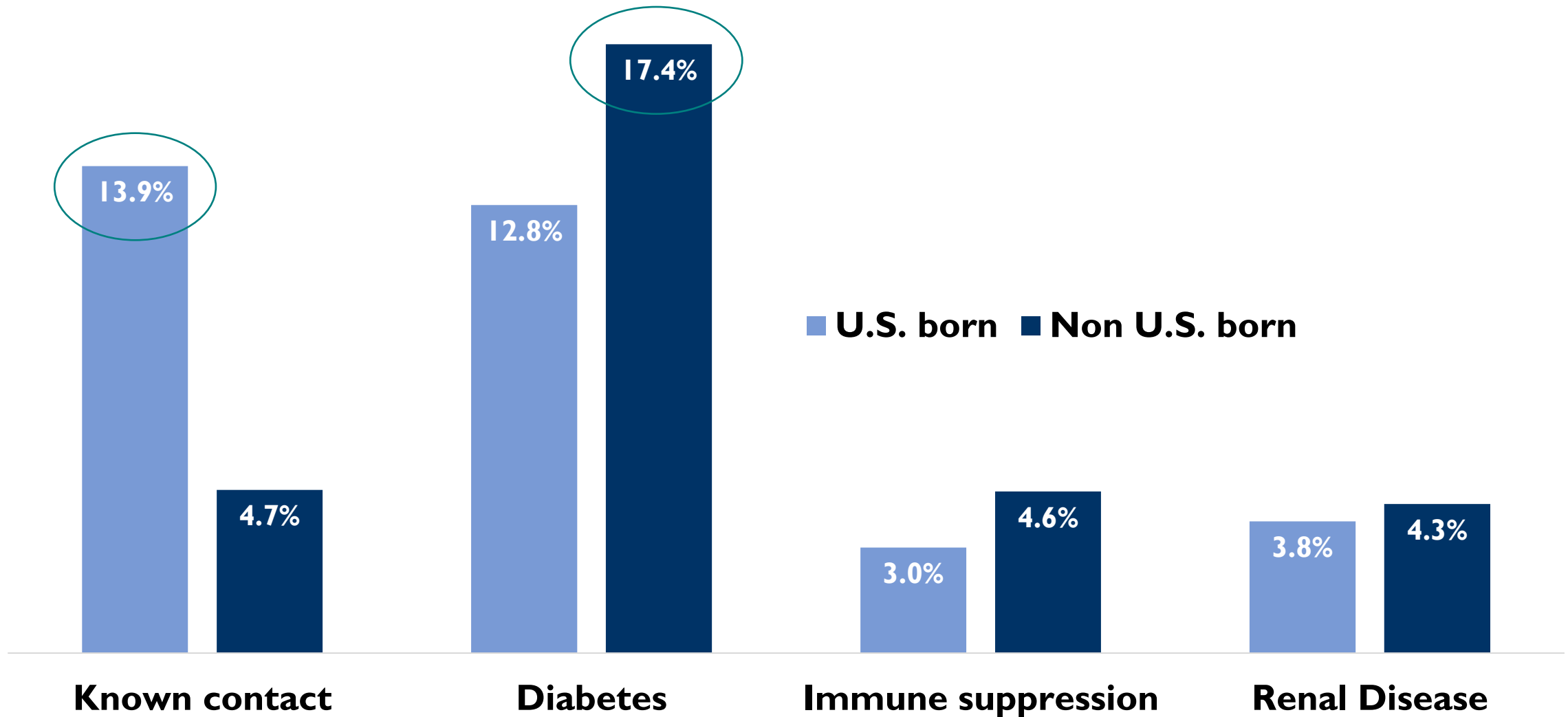
Most PWTB had pulmonary TB without extrapulmonary involvement



The percent of PWTB with a medical risk factors is increasing



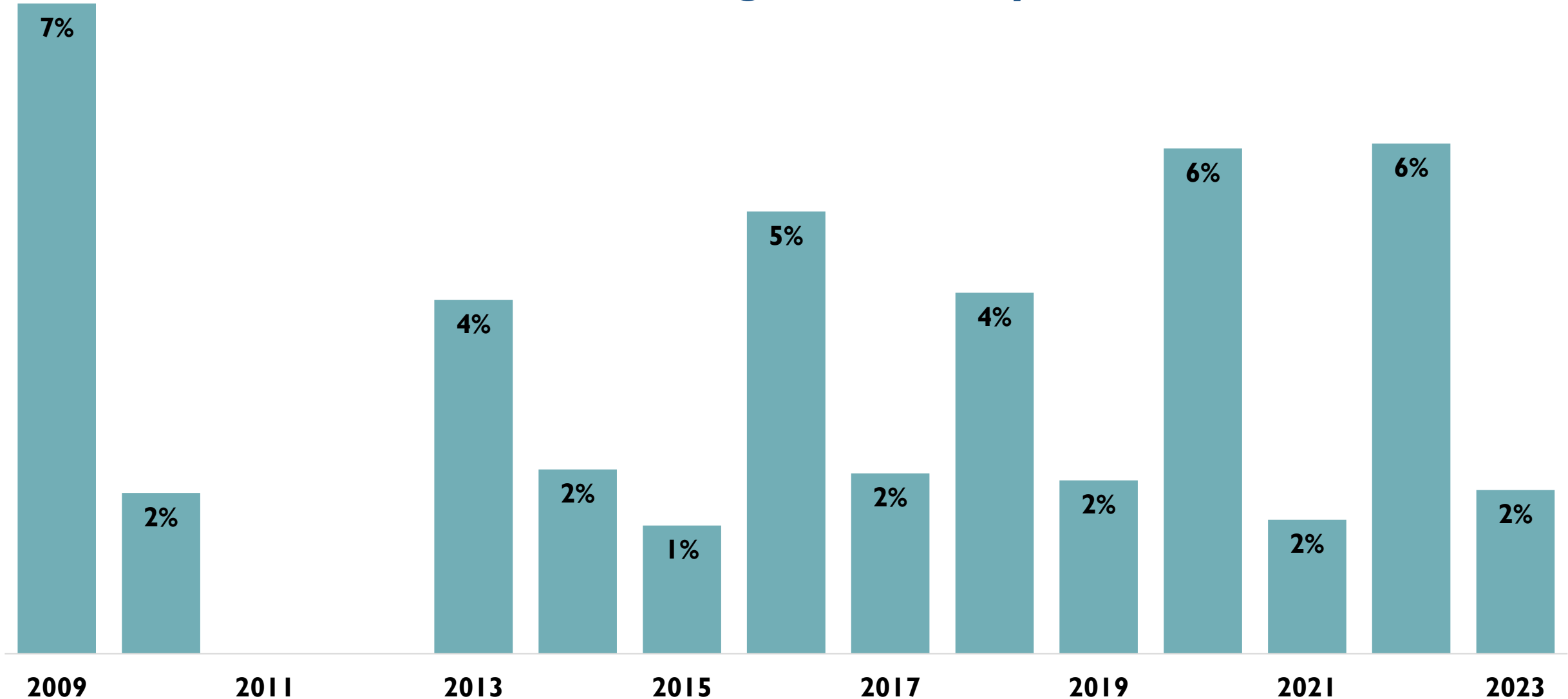
Most common risk factors for TB vary by birth origin, 2009-2023



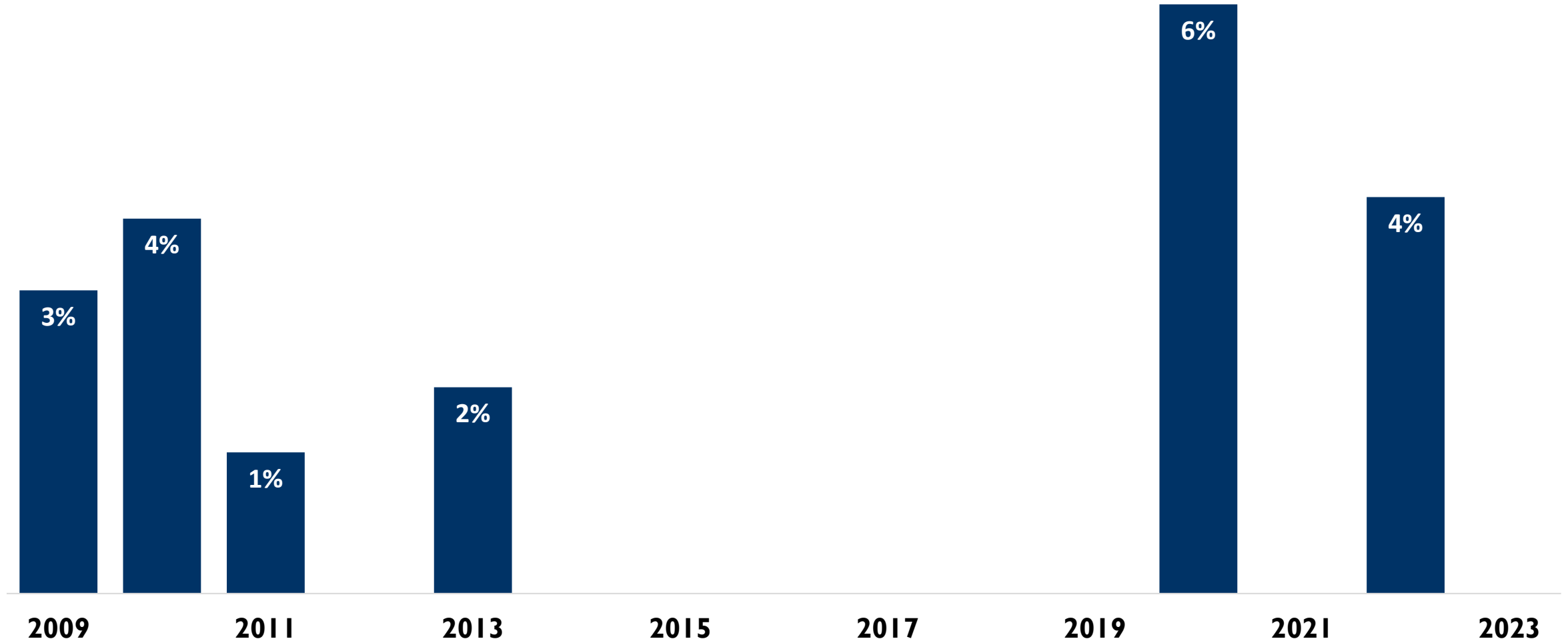
Housing and Living Situation



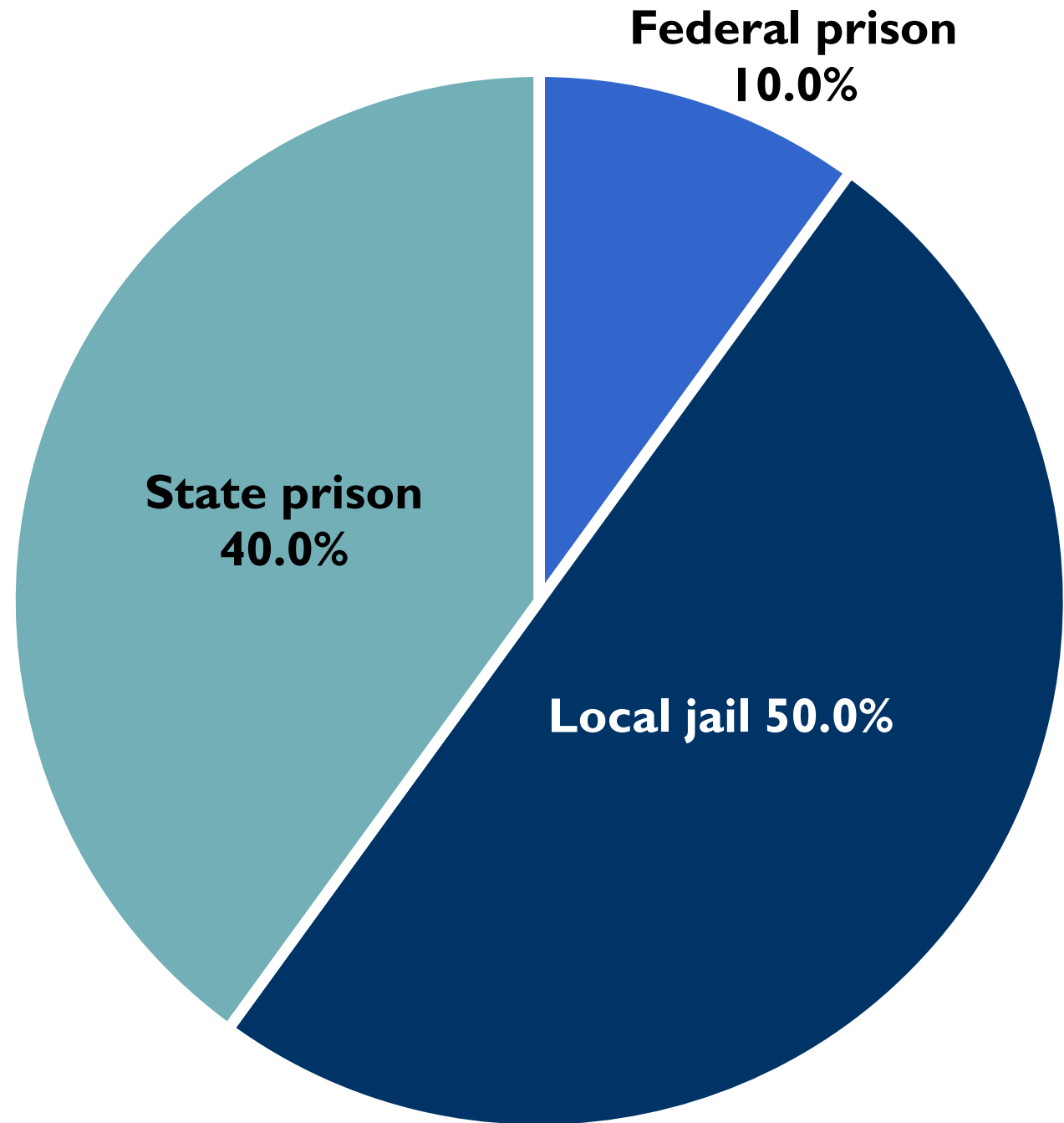
An average of 2.8% of PWTB reported recent or current housing instability



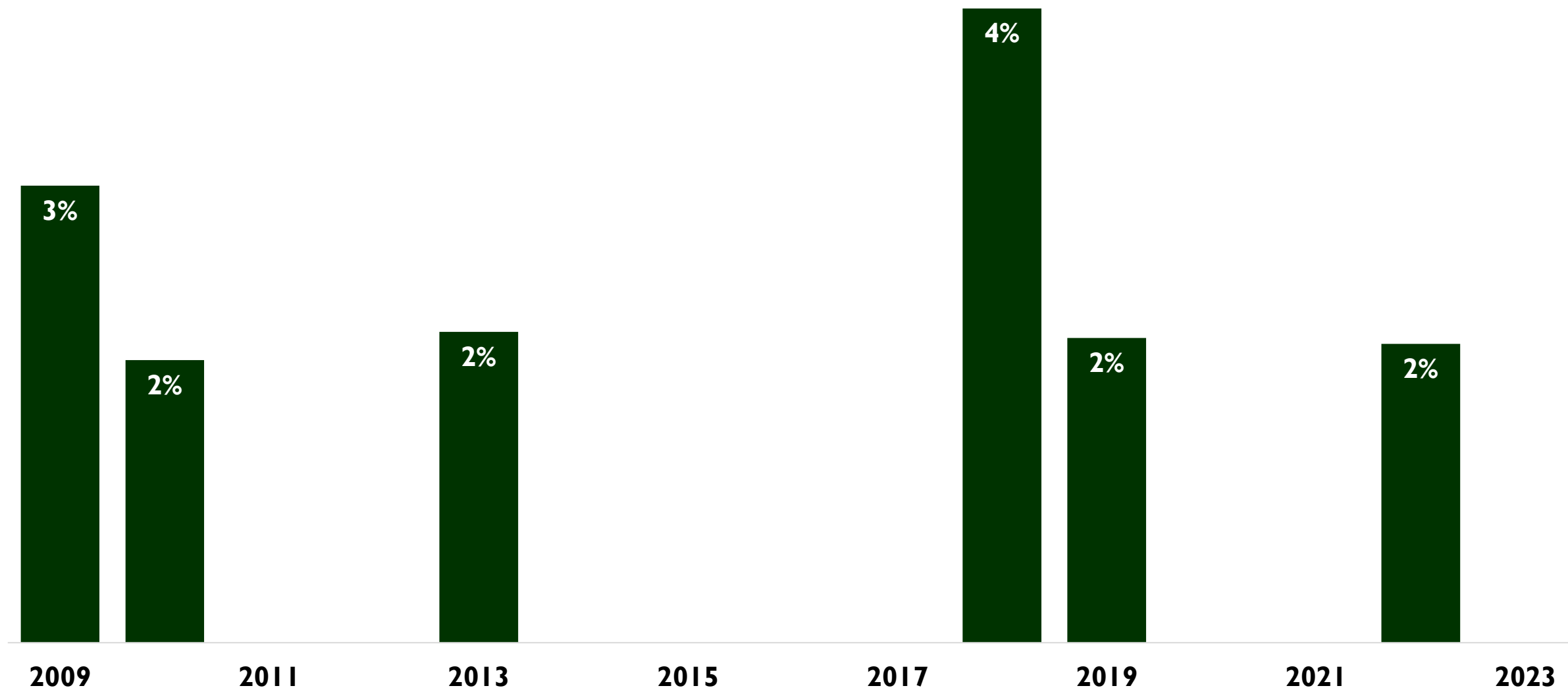
The percent of PWTB residing in correctional settings at time of diagnostic workup is low



Percent of People With TB by Correctional Facility Type 2009–2023



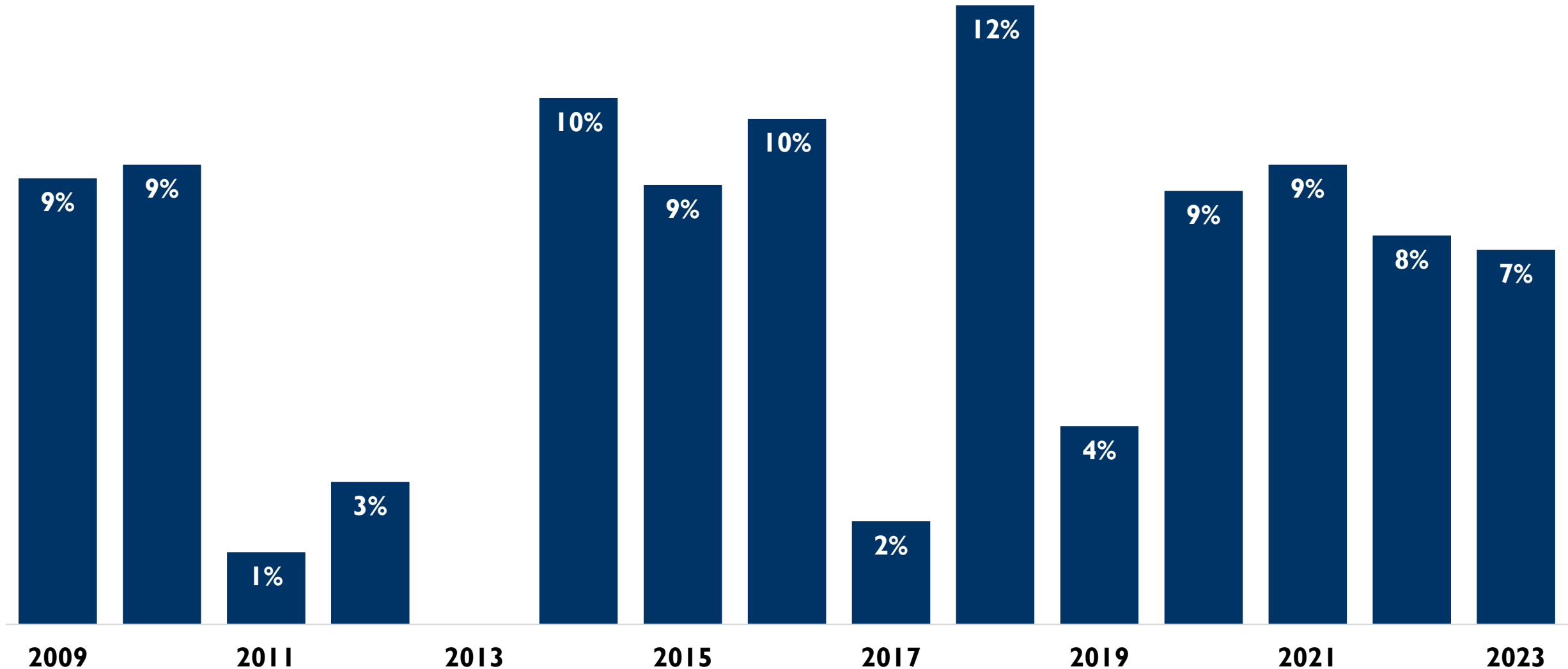
PWTTB residing in long term care facilities (LTCFs) at time of diagnostic evaluation has remained low



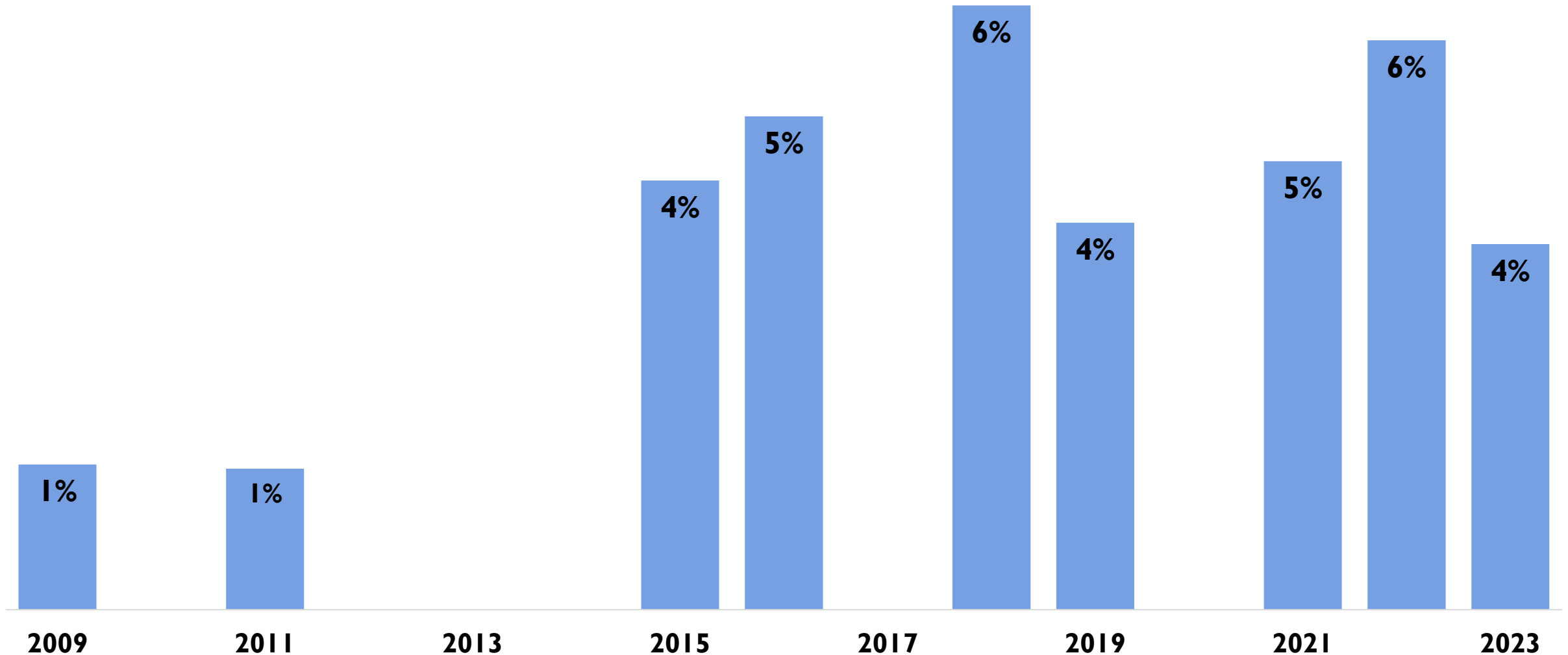
Mortality Review



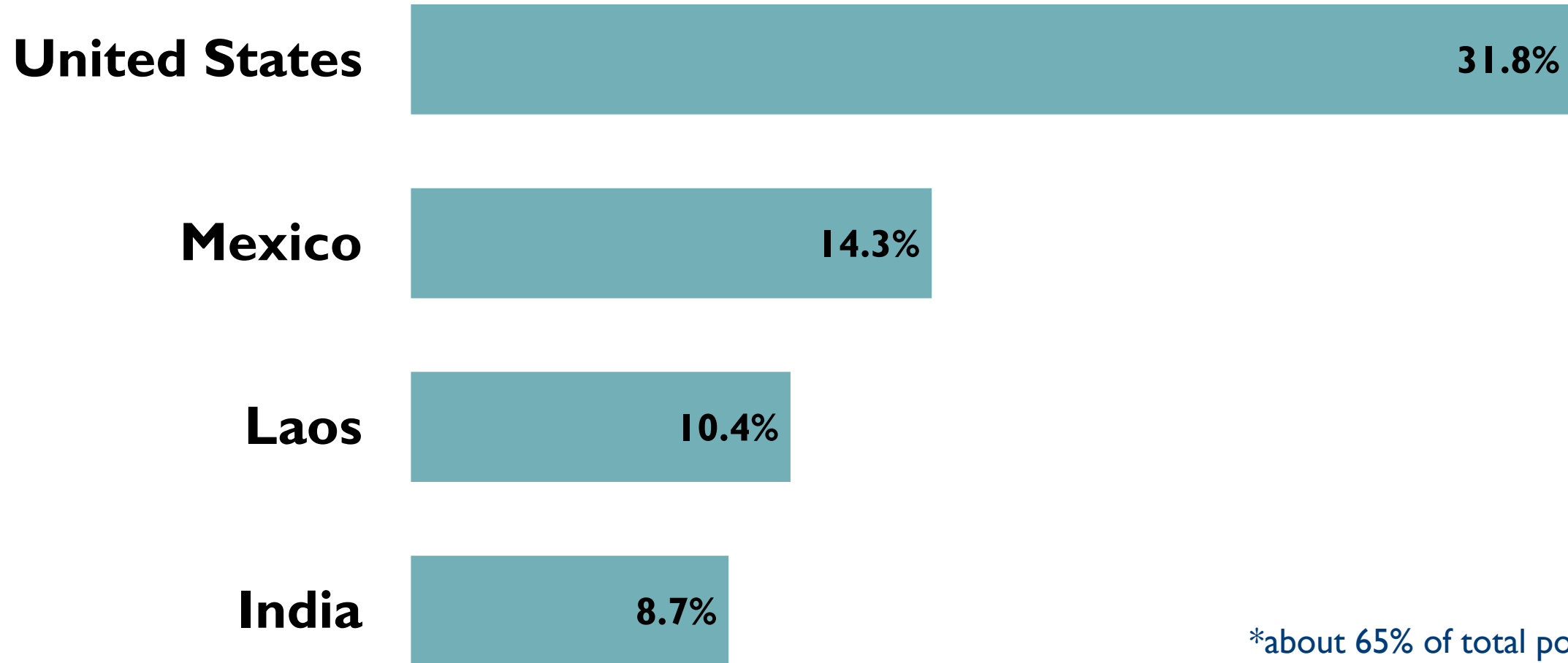
About five PWTB died from TB disease or therapy each year averaging 6.7% of those with TB per year



An average of one person died before being diagnosed with TB each year, averaging 2.4% of PW-TB per year

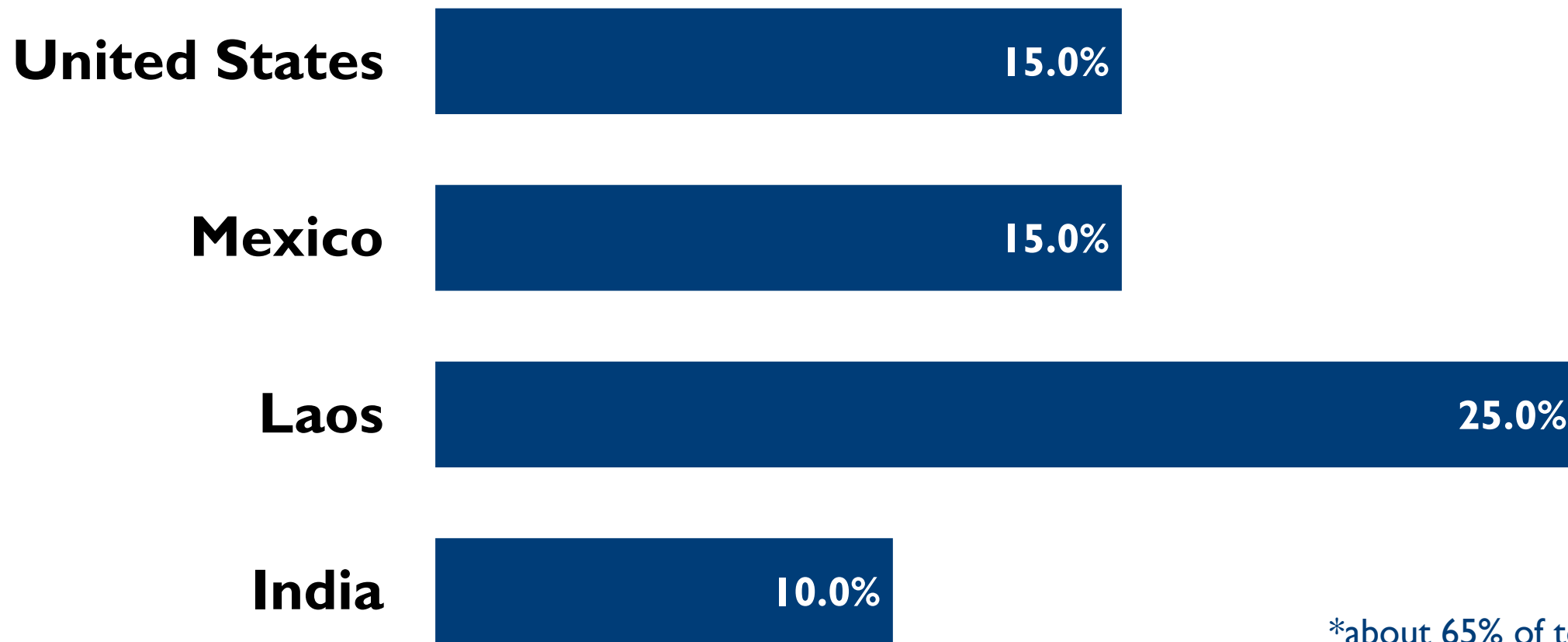


Percent* of PWVTB by country of birth, 2009–2023



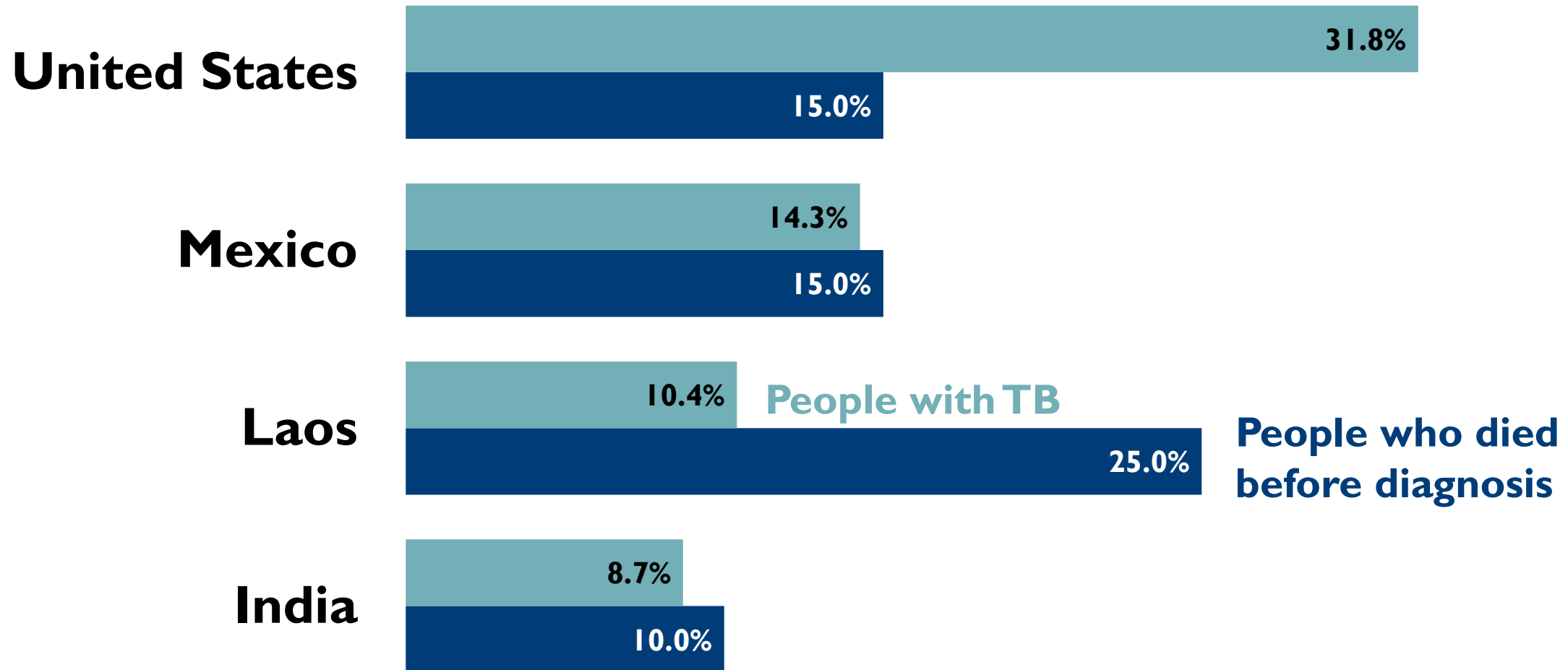
*about 65% of total population represented here, remaining 35% were born in all other countries not listed here

Percent* of PWVTB who died prior to diagnosis by country of birth, 2009–2023

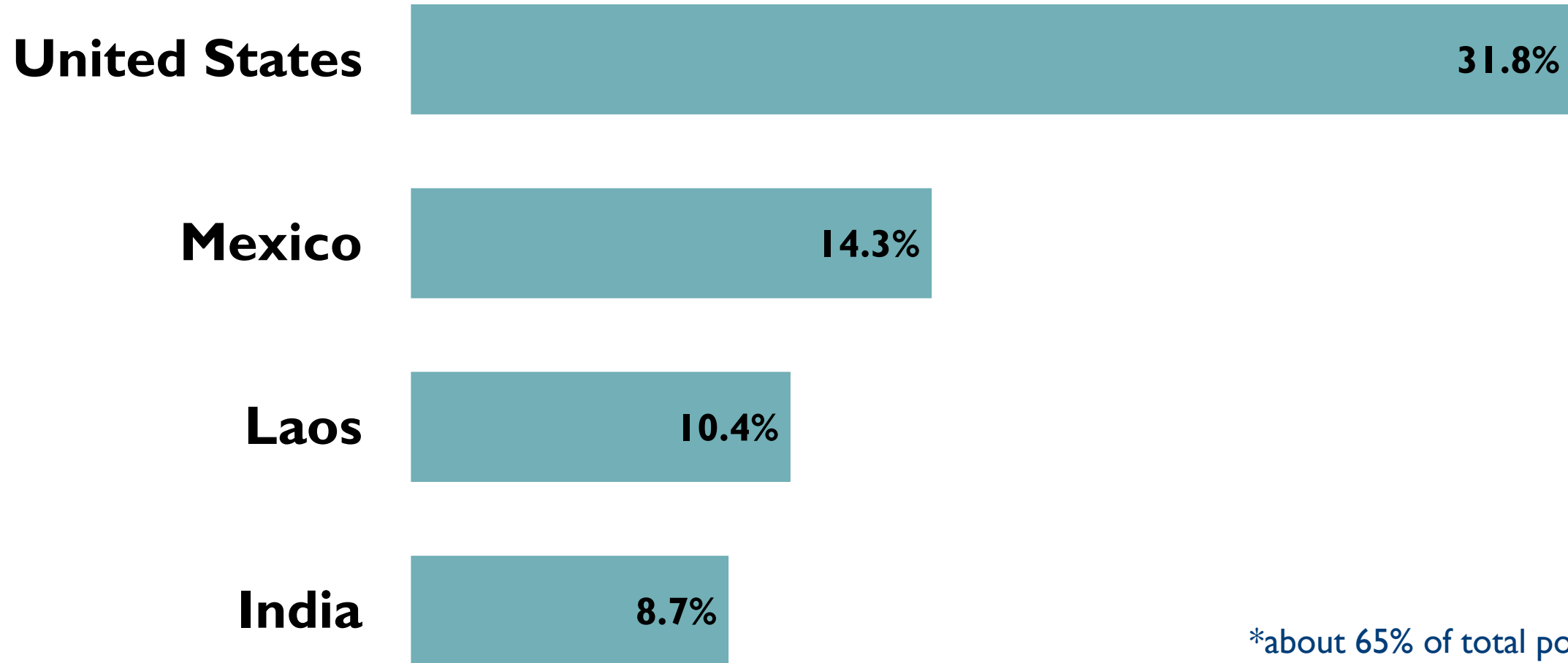


*about 65% of total population represented here, remaining 35% were born in all other countries not listed here

People from Laos are diagnosed with TB postmortem at a disproportionate rate compared to PW-TB born in other countries

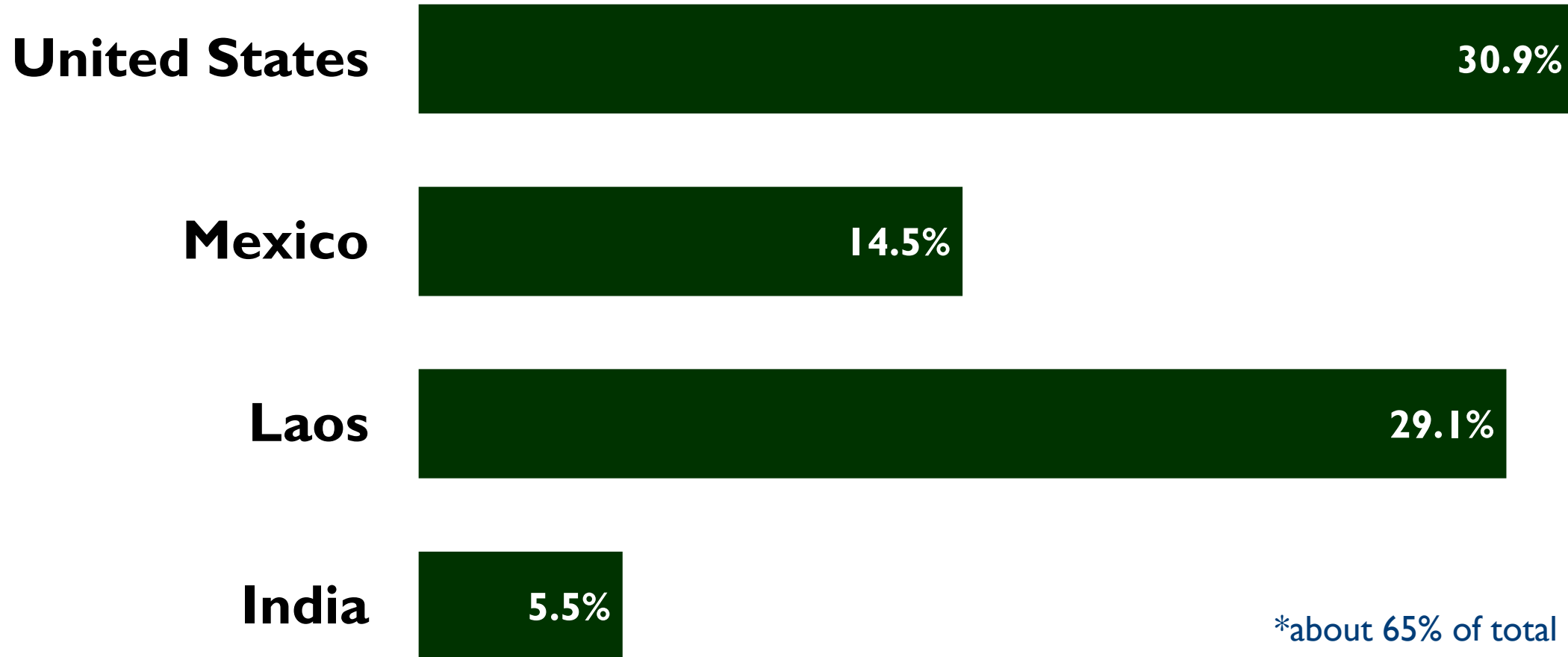


Percent* of PWTB by country of birth, 2009–2023



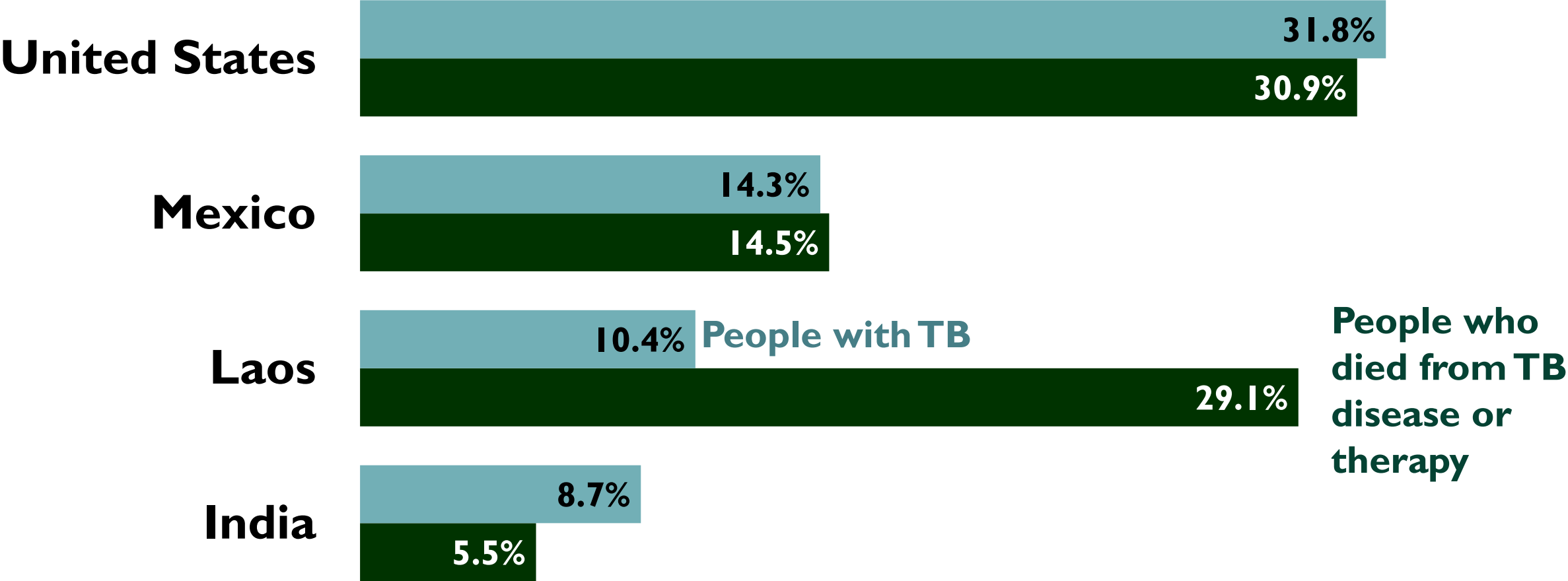
*about 65% of total population represented here, remaining 35% were born in all other countries not listed here

Percent* of PWTB by country of birth who died from TB disease or therapy, 2009–2023



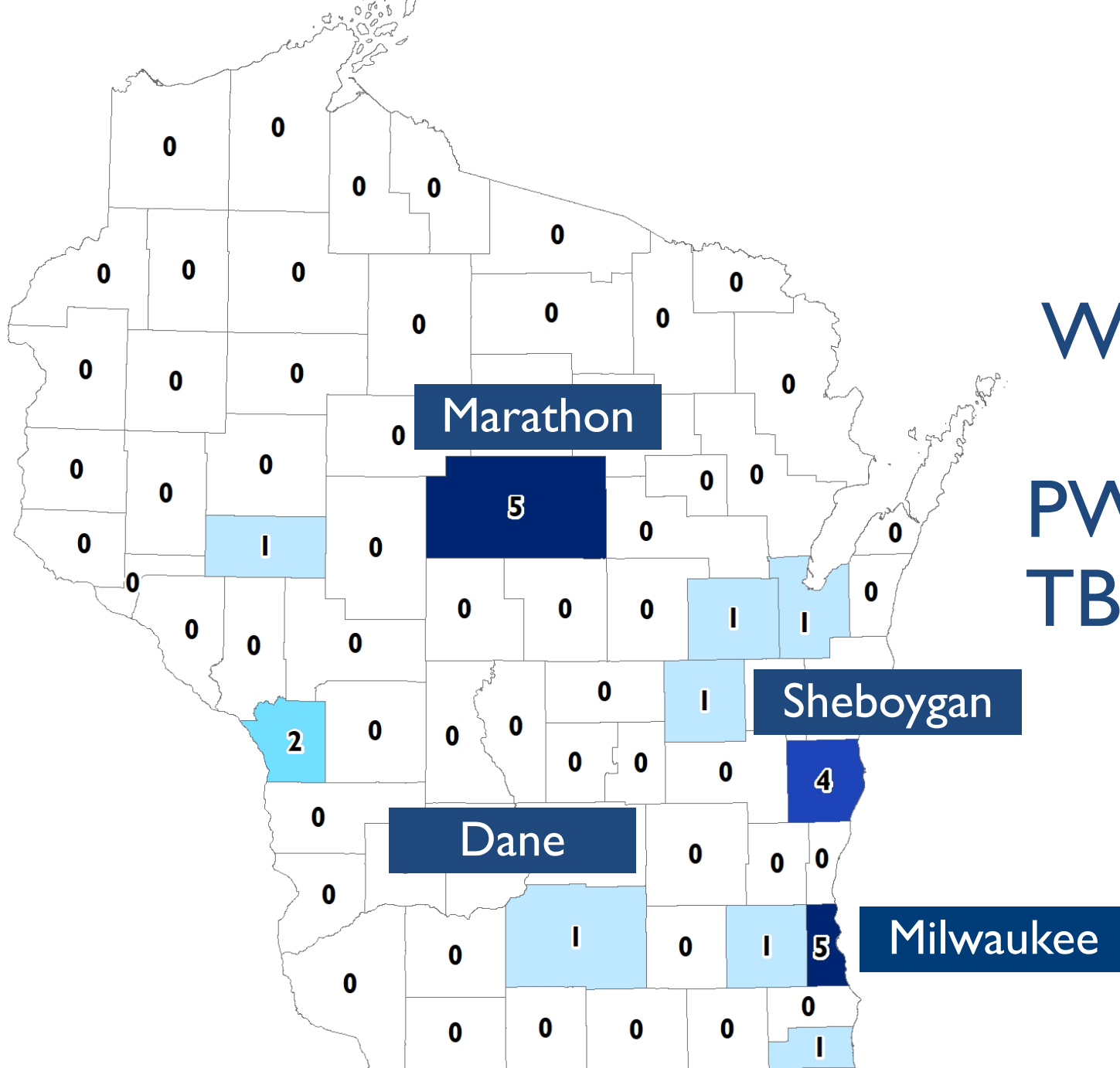
*about 65% of total population represented here, remaining 35% were born in all other countries not listed here

People from Laos are dying from TB disease or therapy at a disproportionate amount compared to PW-TB born in other countries



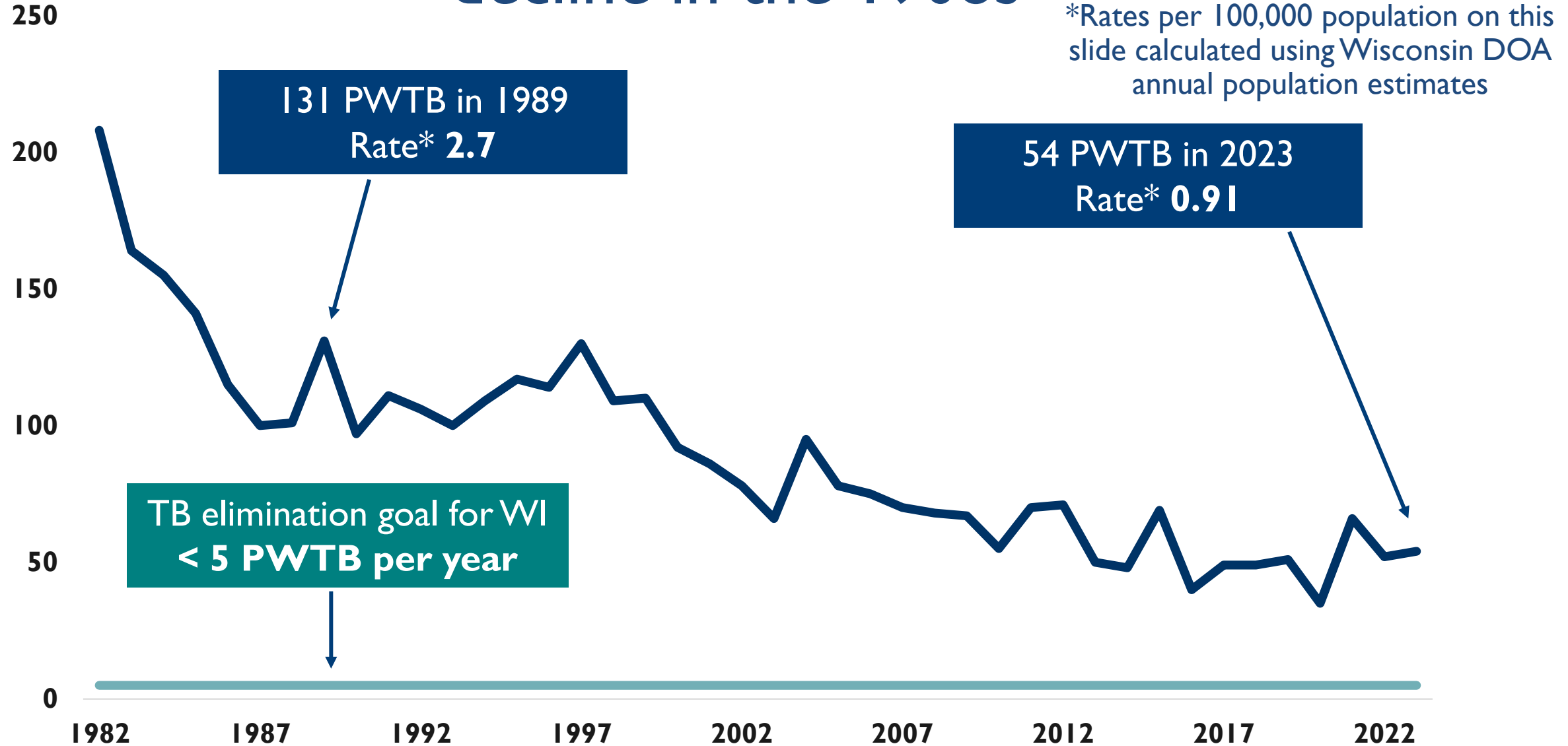
Multidrug Resistant TB





While people with MDR-TB make up 2.8% of PWTB, people with MDR-TB are mostly located in a few counties, 2009–2023

Progress toward TB elimination has slowed since a rapid decline in the 1908s



Contact info for questions

Thank you!

Wisconsin TB Program
DHSWITBProgram@DHS.wisconsin.gov

