

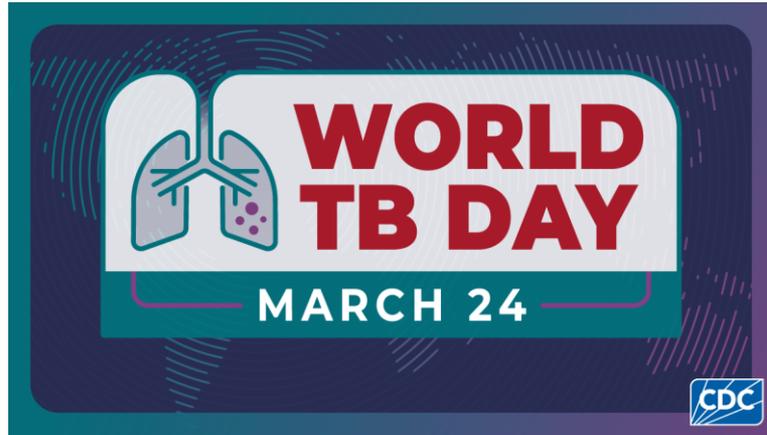


Tuberculosis Epidemiology Update

World TB Day

March 24, 2026

Laura R. Young, MPH, CIC

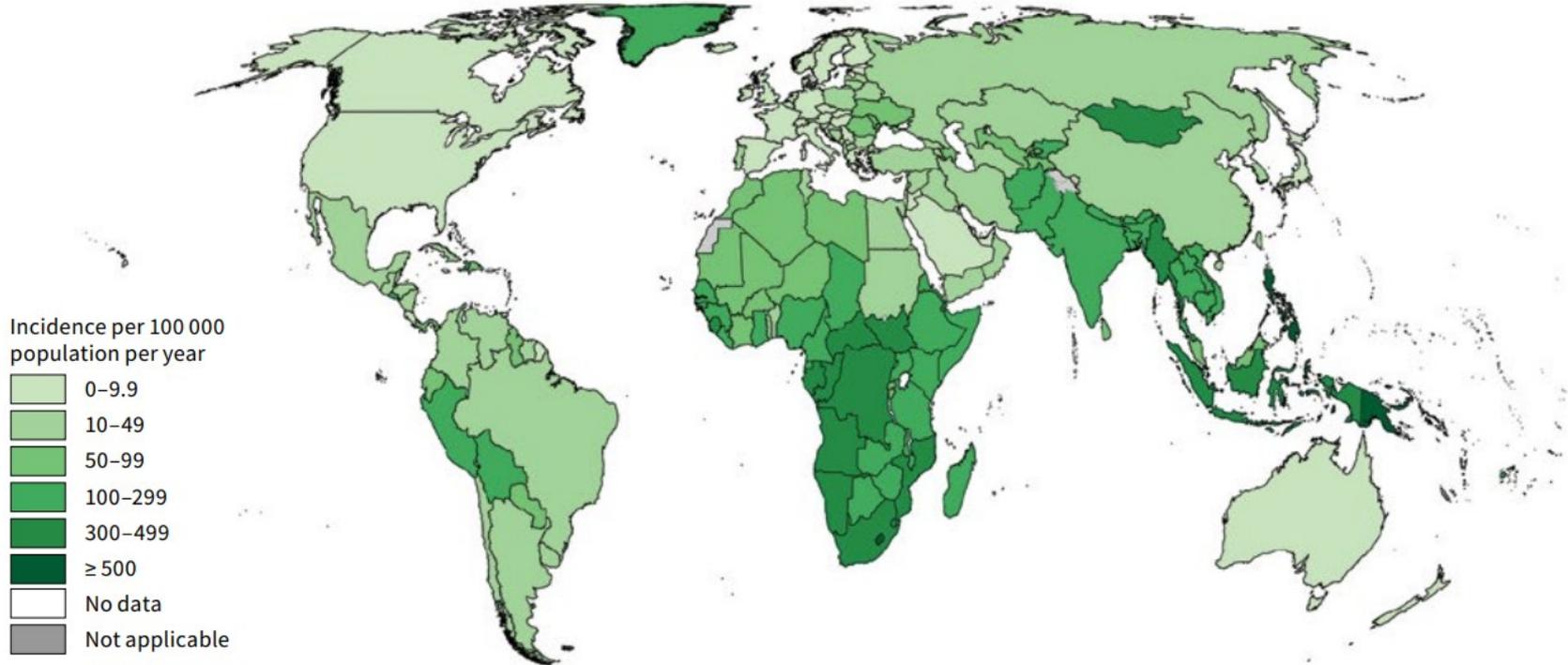




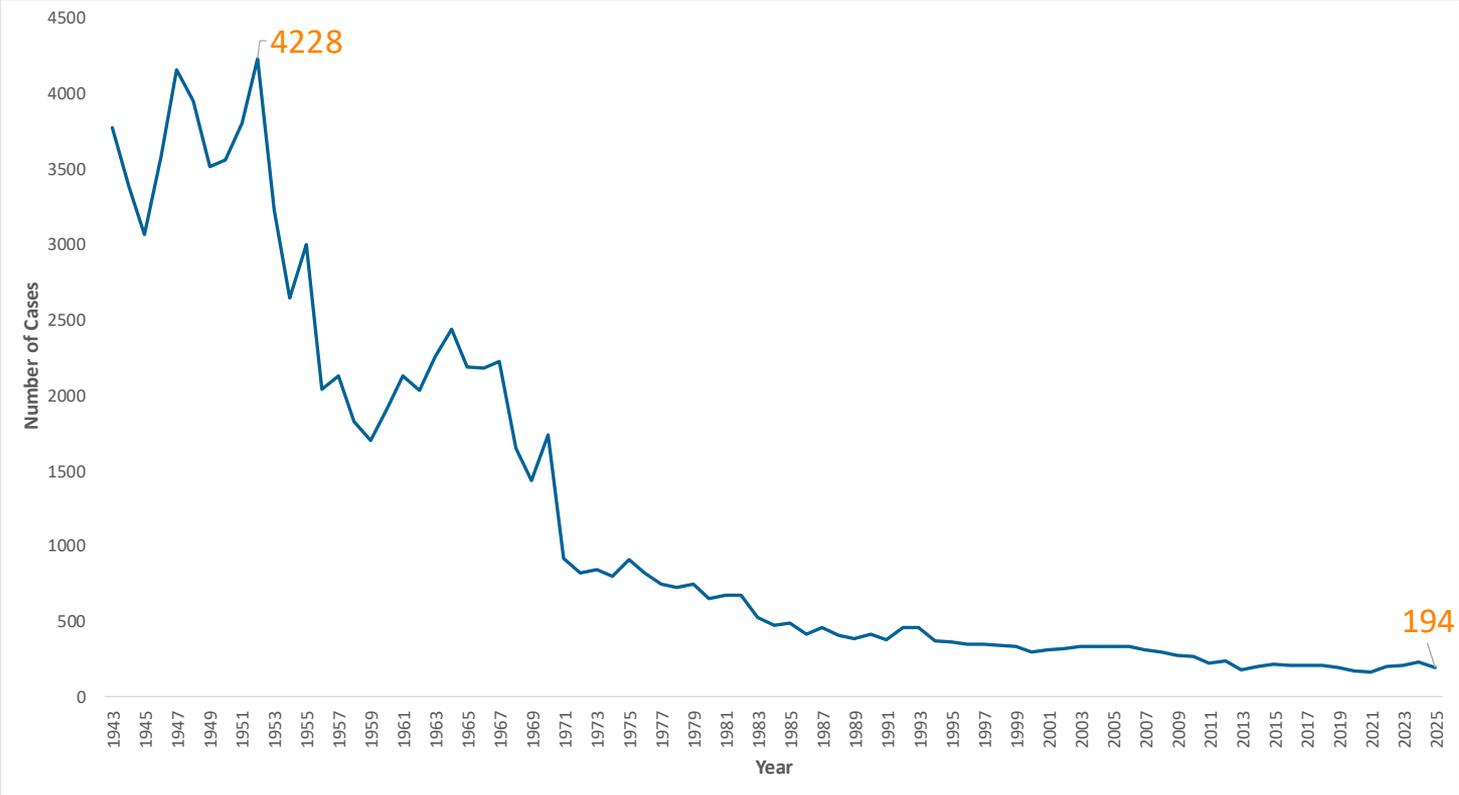
Objectives

- Describe basic TB epidemiology in Virginia
- Describe basic TB trends in the United States

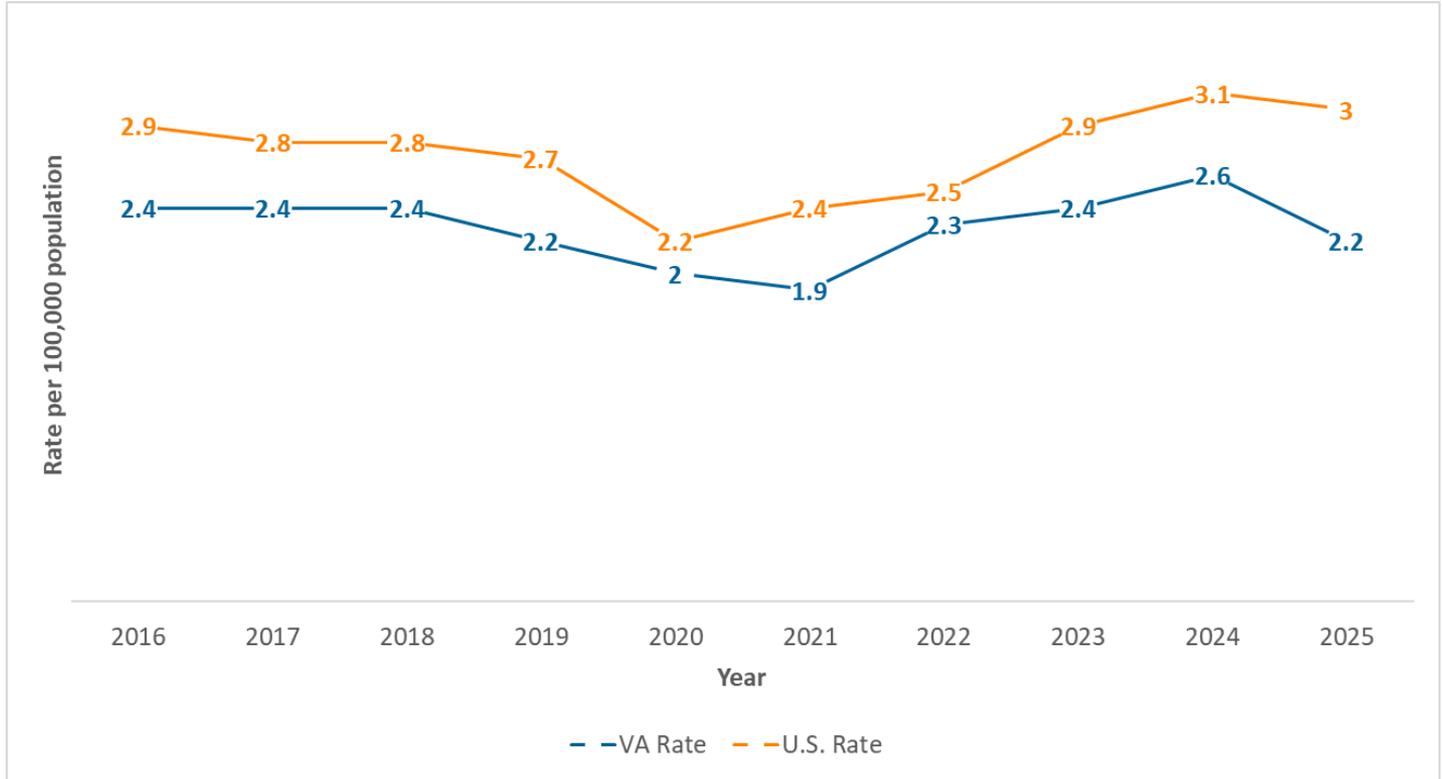
Estimated TB Incidence Rates, Global, 2024



Progress Toward TB Elimination, Virginia, 1943-2025

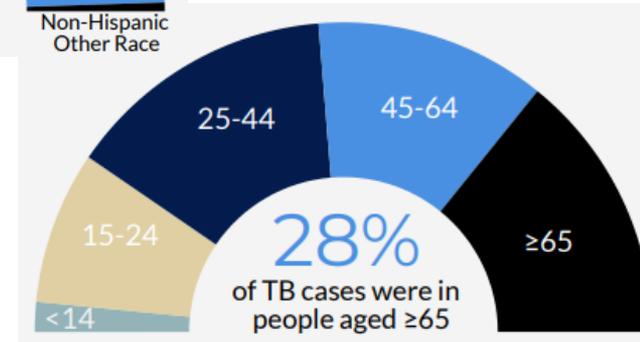
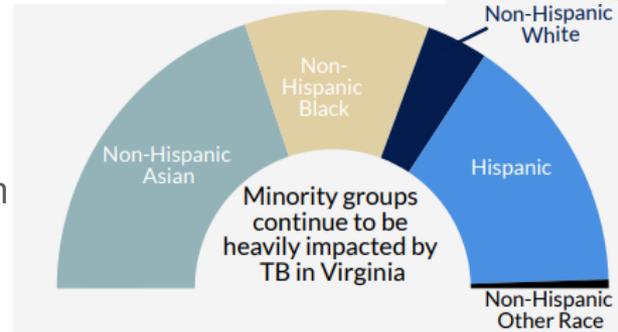
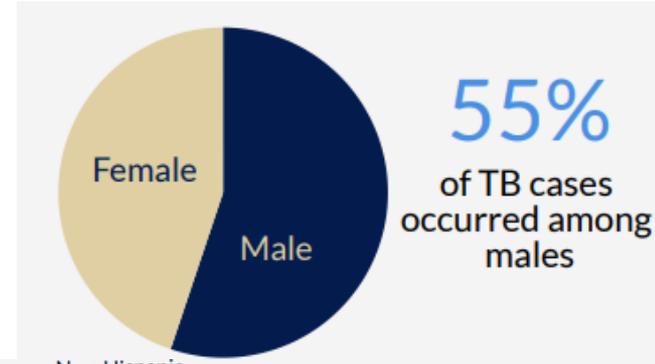


TB Incidence Rate, Virginia and the United States, 2016-2025

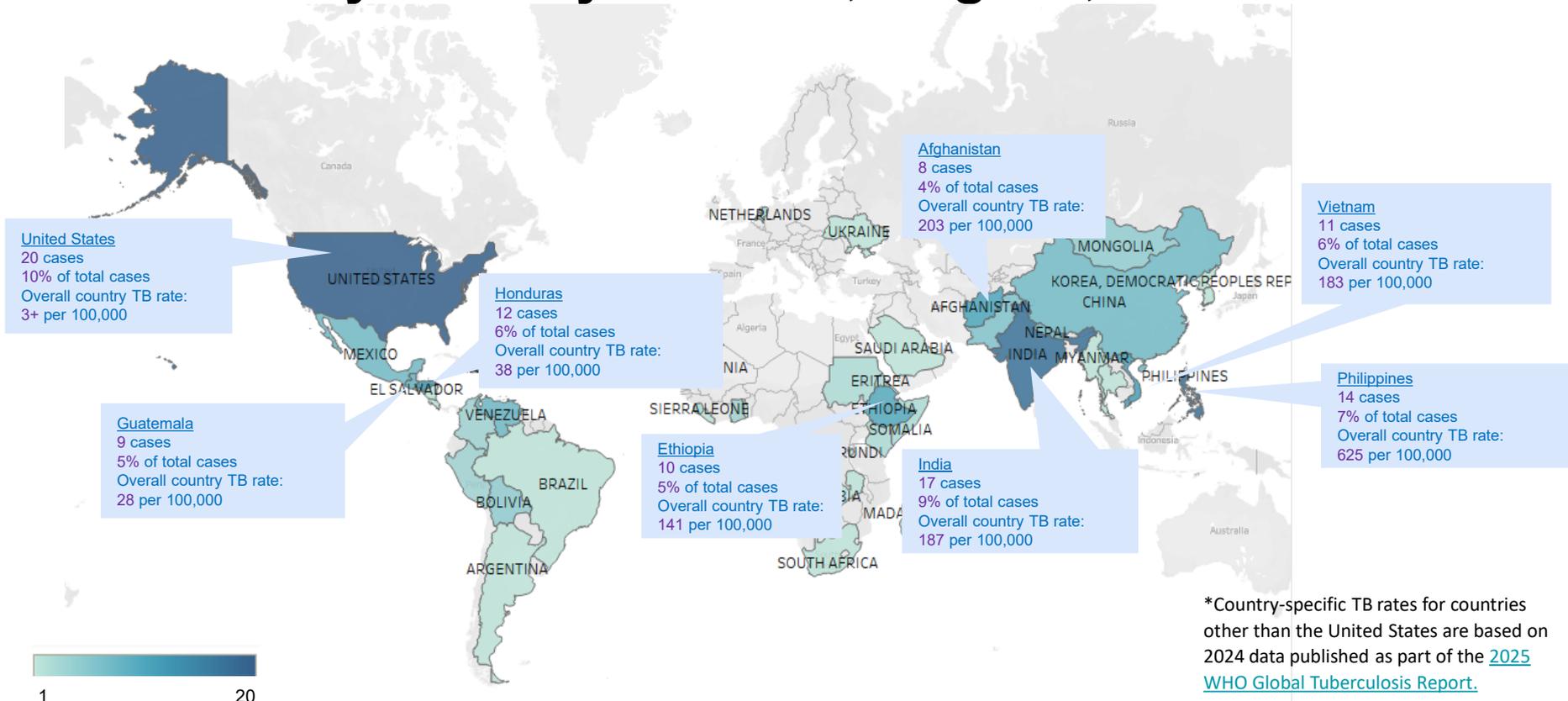


2025 Demographics

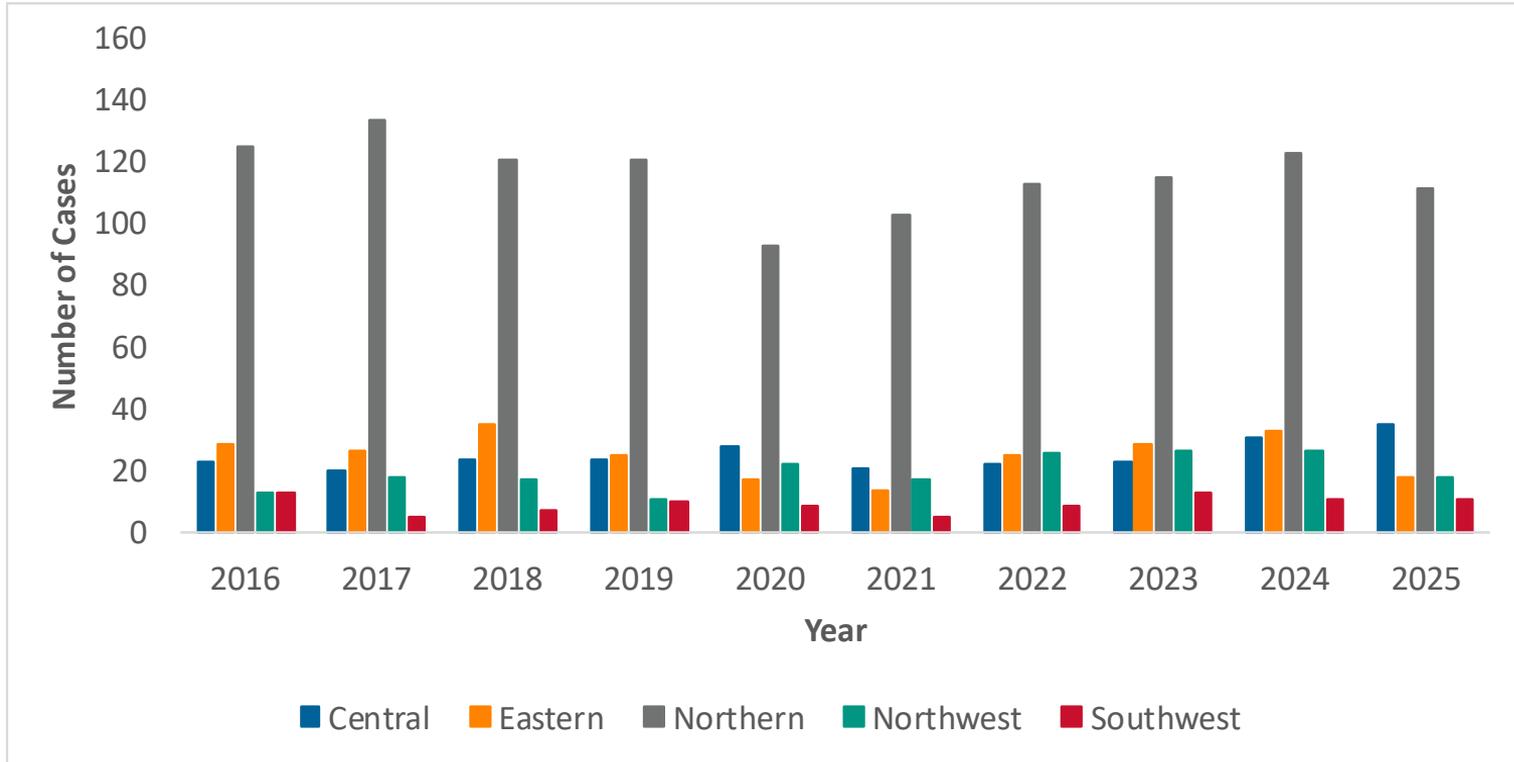
- **Sex:**
 - 55% Male
- **Race/Ethnicity:**
 - 40% Asian
 - 30% Hispanic
 - 21% Black or African American
 - 7% White
 - 1% Other
- **Age**
 - Range 0-91
 - Average 48



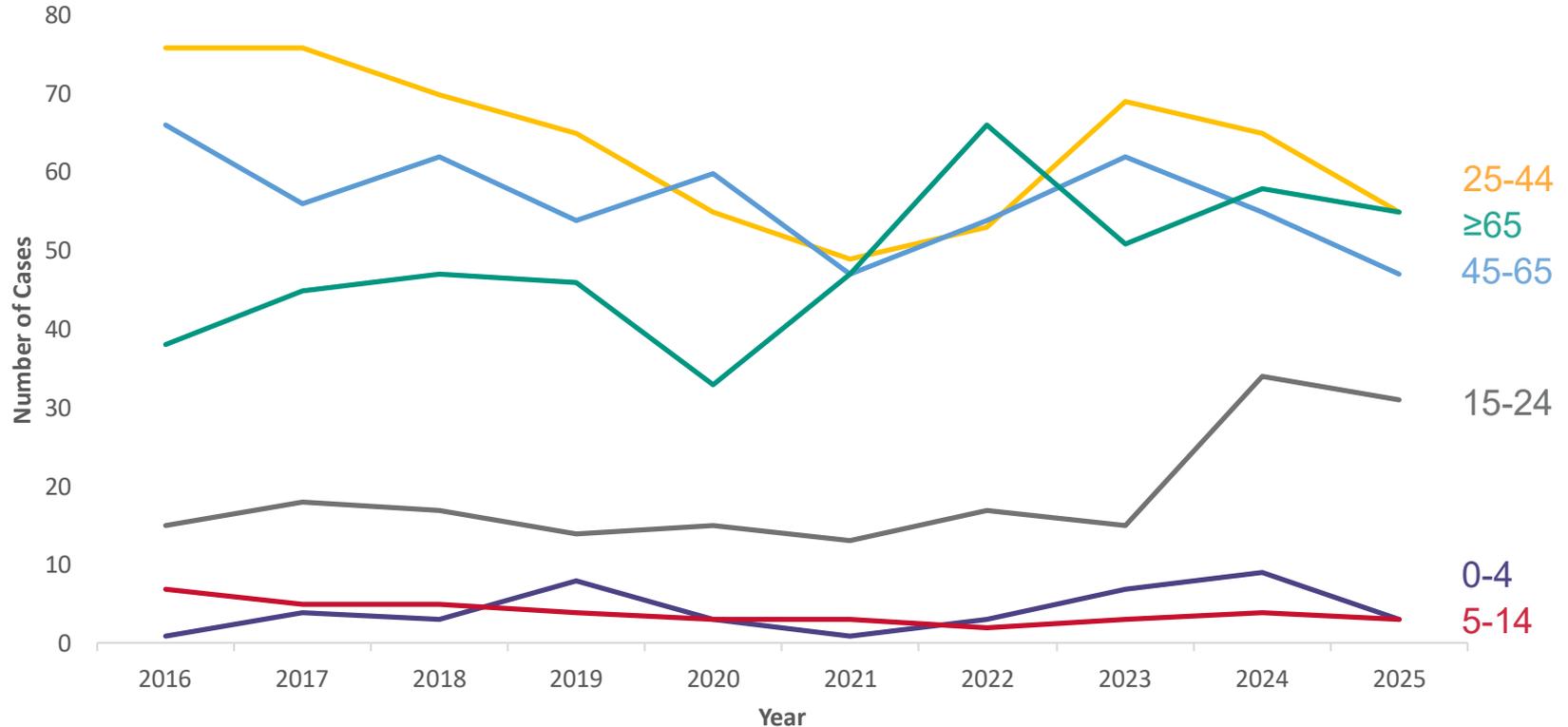
TB Cases by Country of Birth*, Virginia, 2025



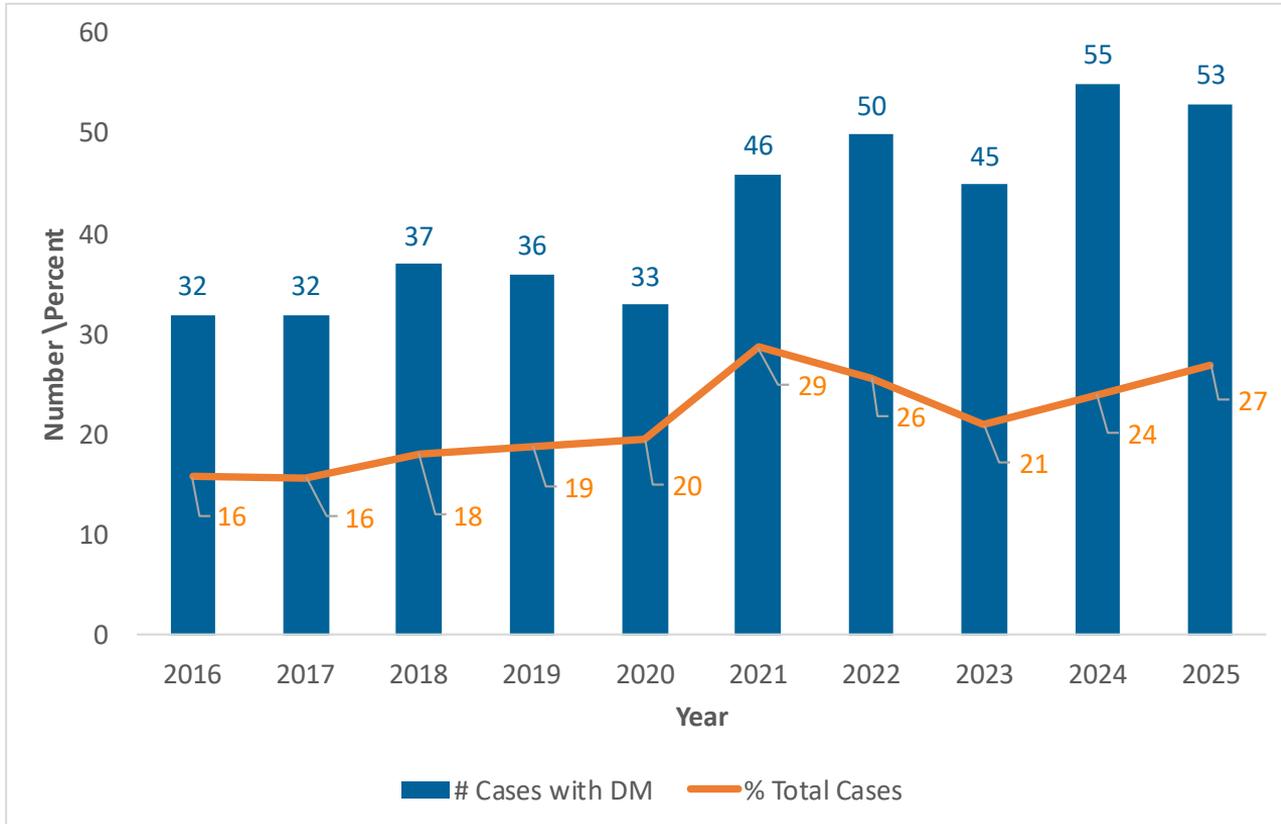
TB Case Distribution by Region, Virginia, 2016-2025



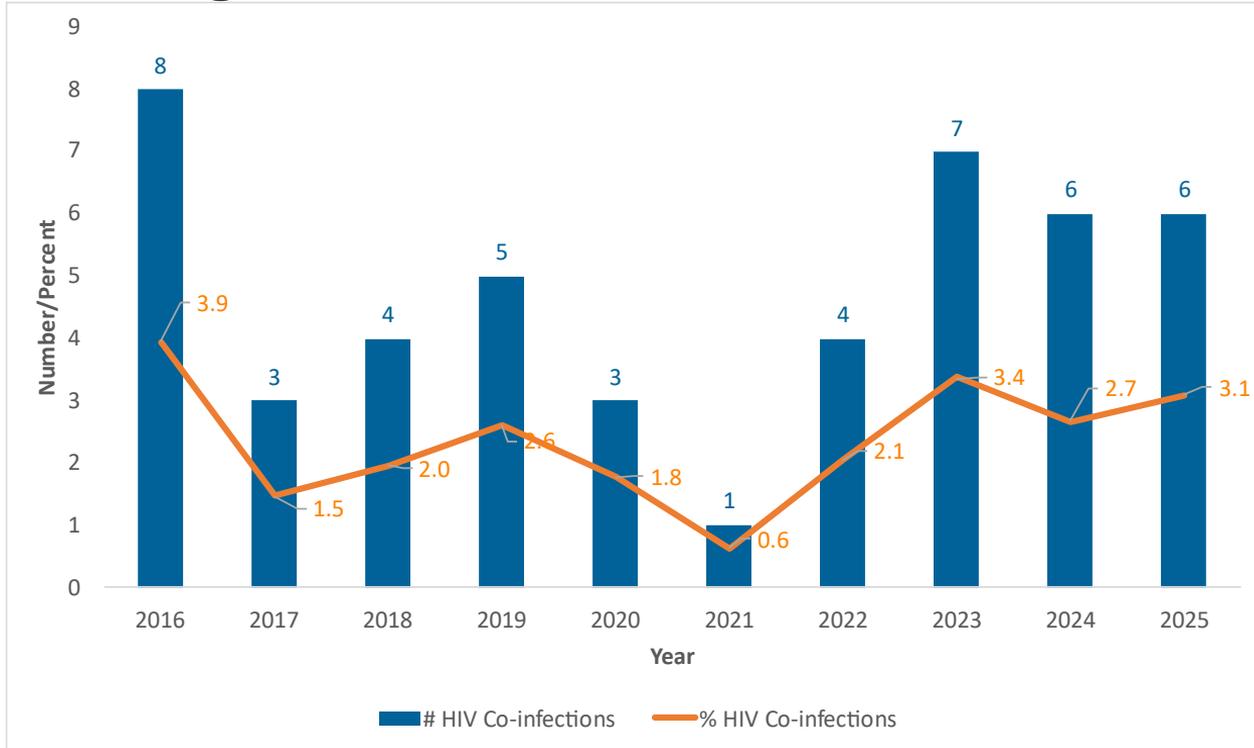
Age Group of TB Cases in Years, Virginia, 2016-2025



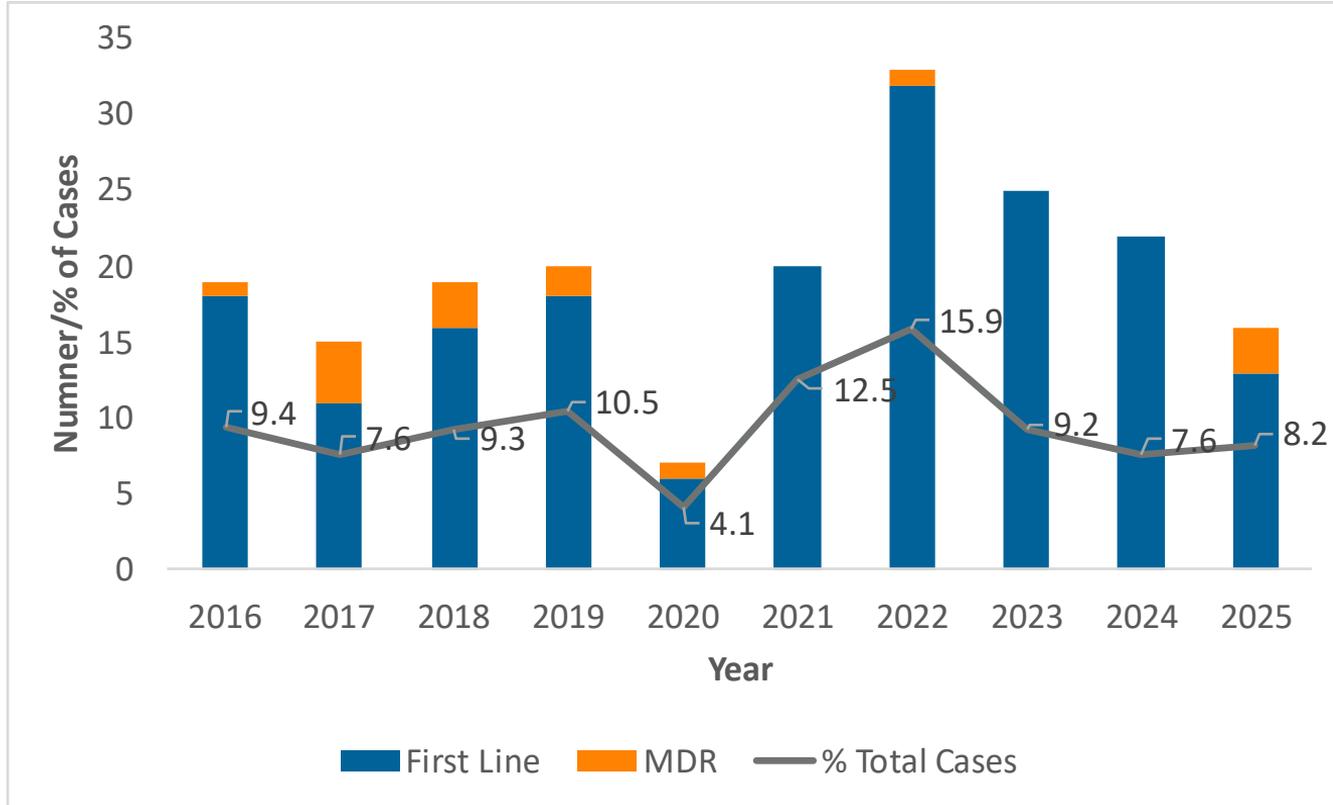
TB Cases with Diabetes, Virginia, 2016-2025



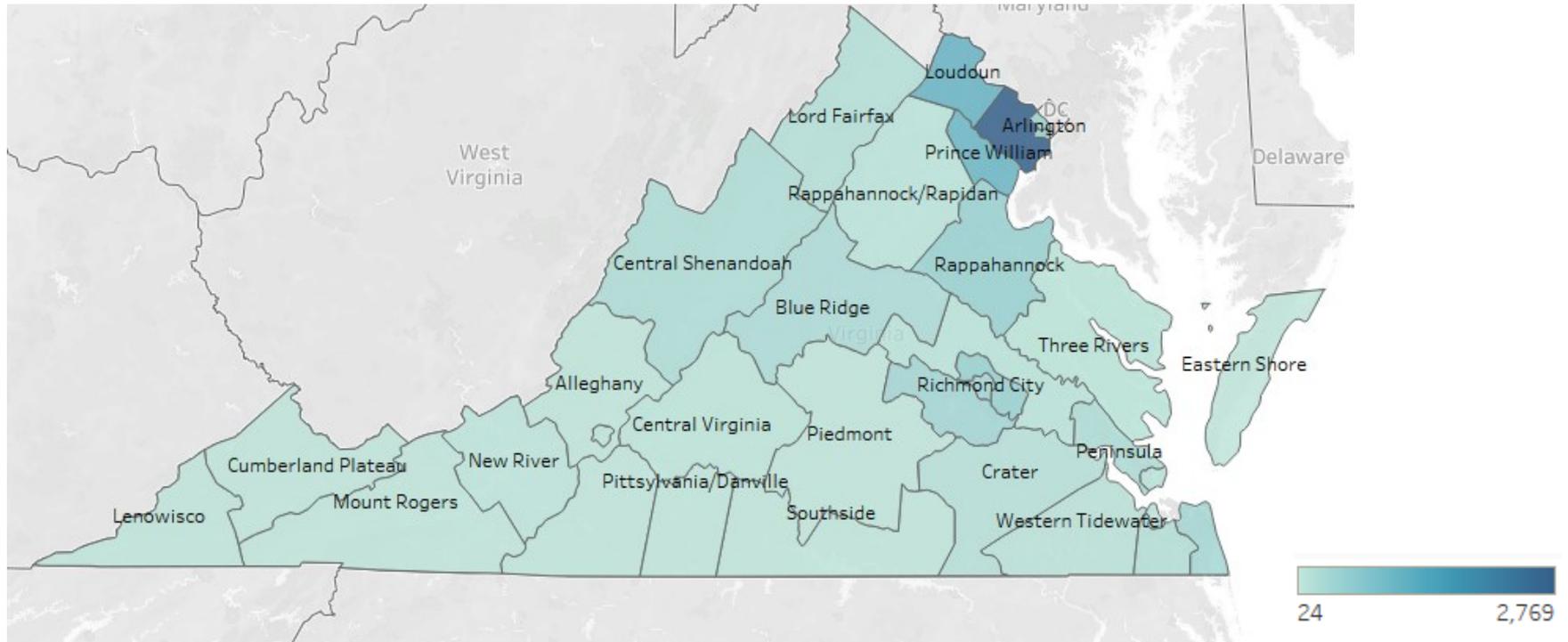
Number and Percent of TB Cases with HIV Co-infection, Virginia, 2016-2025



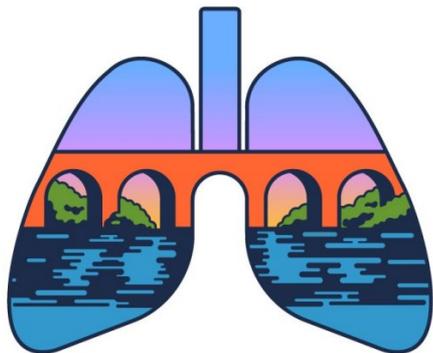
Drug Resistance Among TB Cases, Virginia, 2016-2025



LTBI Reports by Health District, 2025



Data Resources



Annual Tuberculosis Surveillance Report, 2024

Virginia Department of Health
Division of Clinical Epidemiology
Tuberculosis Program



Virginia Department of Health Tuberculosis Program
Number of Reported TB Cases and Rates per 100,000 Population: 2021-2025 (Revised 03/05/2026)

LOCAL REGION	2024 Pop*	2021		2022		2023		2024		2025
		Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases
ALBEMARLE COUNTY	389,793	3	0.8	2	0.5	5	1.3	9	2.3	9
ALBEMARLE CITY	18,674	0	0.0	0	0.0	0	0.0	0	0.0	0
ALBEMARLE COUNTY	32,392	0	0.0	0	0.0	1	3.2	0	0.0	1
ALBEMARLE DISTRICT	440,859	3	0.7	2	0.5	6	1.4	9	2.1	10
ALBEMARLE COUNTY	6,564	0	0.0	0	0.0	0	0.0	0	0.0	1
ALBEMARLE COUNTY	28,223	0	0.0	0	0.0	0	0.0	0	0.0	0
ALBEMARLE COUNTY	115,309	0	0.0	2	1.8	2	1.8	1	0.9	0
ALBEMARLE COUNTY	27,218	0	0.0	0	0.0	0	0.0	0	0.0	0
ALBEMARLE DISTRICT	177,314	0	0.0	2	1.2	2	1.2	1	0.6	1
ALBEMARLE COUNTY	28,576	0	0.0	0	0.0	1	3.6	0	0.0	1
ALBEMARLE CITY	5,402	0	0.0	1	17.8	1	18.2	0	0.0	0
ALBEMARLE COUNTY	11,150	0	0.0	0	0.0	0	0.0	0	0.0	0
ALBEMARLE CITY	22,970	1	4.5	0	0.0	1	4.4	0	0.0	1
ALBEMARLE CITY	34,058	2	6.6	1	3.0	0	0.0	0	0.0	0
ALBEMARLE COUNTY	43,589	0	0.0	1	2.3	0	0.0	0	0.0	0
ALBEMARLE COUNTY	6,579	0	0.0	0	0.0	0	0.0	0	0.0	0
ALBEMARLE COUNTY	10,753	0	0.0	0	0.0	0	0.0	0	0.0	0
ALBEMARLE DISTRICT	163,077	3	1.9	3	1.9	3	1.9	0	0.0	2
ALBEMARLE DISTRICT	338,696	5	1.5	8	2.4	9	2.7	10	3.0	9
ALBEMARLE COUNTY	13,716	0	0.0	0	0.0	1	7.4	0	0.0	0
ALBEMARLE COUNTY	17,115	0	0.0	0	0.0	0	0.0	1	5.9	0
ALBEMARLE COUNTY	11,258	0	0.0	0	0.0	0	0.0	1	8.8	0
ALBEMARLE COUNTY	10,062	0	0.0	1	10.3	0	0.0	0	0.0	0
ALBEMARLE COUNTY	12,060	0	0.0	0	0.0	0	0.0	0	0.0	0
ALBEMARLE COUNTY	15,632	7	46.2	2	12.8	0	0.0	0	0.0	0
ALBEMARLE COUNTY	22,276	0	0.0	0	0.0	0	0.0	1	4.5	1
ALBEMARLE DISTRICT	102,119	7	6.8	3	3.0	1	1.0	3	3.0	1
ALBEMARLE DISTRICT	233,655	2	0.9	4	1.8	2	0.9	7	3.1	11
ALBEMARLE COUNTY	15,750	0	0.0	0	0.0	0	0.0	0	0.0	0
ALBEMARLE COUNTY	33,448	1	3.0	0	0.0	0	0.0	0	0.0	0
ALBEMARLE COUNTY	30,824	0	0.0	0	0.0	0	0.0	1	3.3	1
ALBEMARLE DISTRICT	80,022	1	1.2	0	0.0	0	0.0	1	1.3	1
ALBEMARLE REGION	1,535,742	21	1.4	22	1.5	23	1.5	31	2.0	35
VIRGINIA	8,811,195	160	1.9	195	2.3	207	2.4	225	2.6	194

Tuberculosis (TB) in Virginia, 2025

Overview

NUMBER OF VERIFIED CASES
194

TB RATE PER 100,000 POPULATION
2.2

HEALTH DISTRICTS WITH TB CASES
27

Demographics



Multidrug-Resistant (MDR) TB

NUMBER OF VERIFIED CASES
3



MDR-TB is resistant to rifampin and isoniazid, two of the primary TB drugs.



Country of Birth

44 Number of countries of birth represented among patients with TB disease



Most Common Countries of Birth Among Patients

United States: 20 India: 17 Philippines: 14 Honduras: 12 Vietnam: 11



Clinical Characteristics

- 3.1% HIV
- 8.2% Resistance to any first line drug
- 27.3% Diabetes
- 44.3% A positive sputum smear
- 77.3% A pulmonary site of disease

Time in the U.S.

6 Median number of years in the U.S. at time of report among non-U.S.-born patients



Updated March 2026; data are preliminary



Question?

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