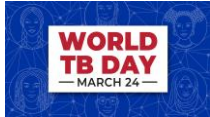
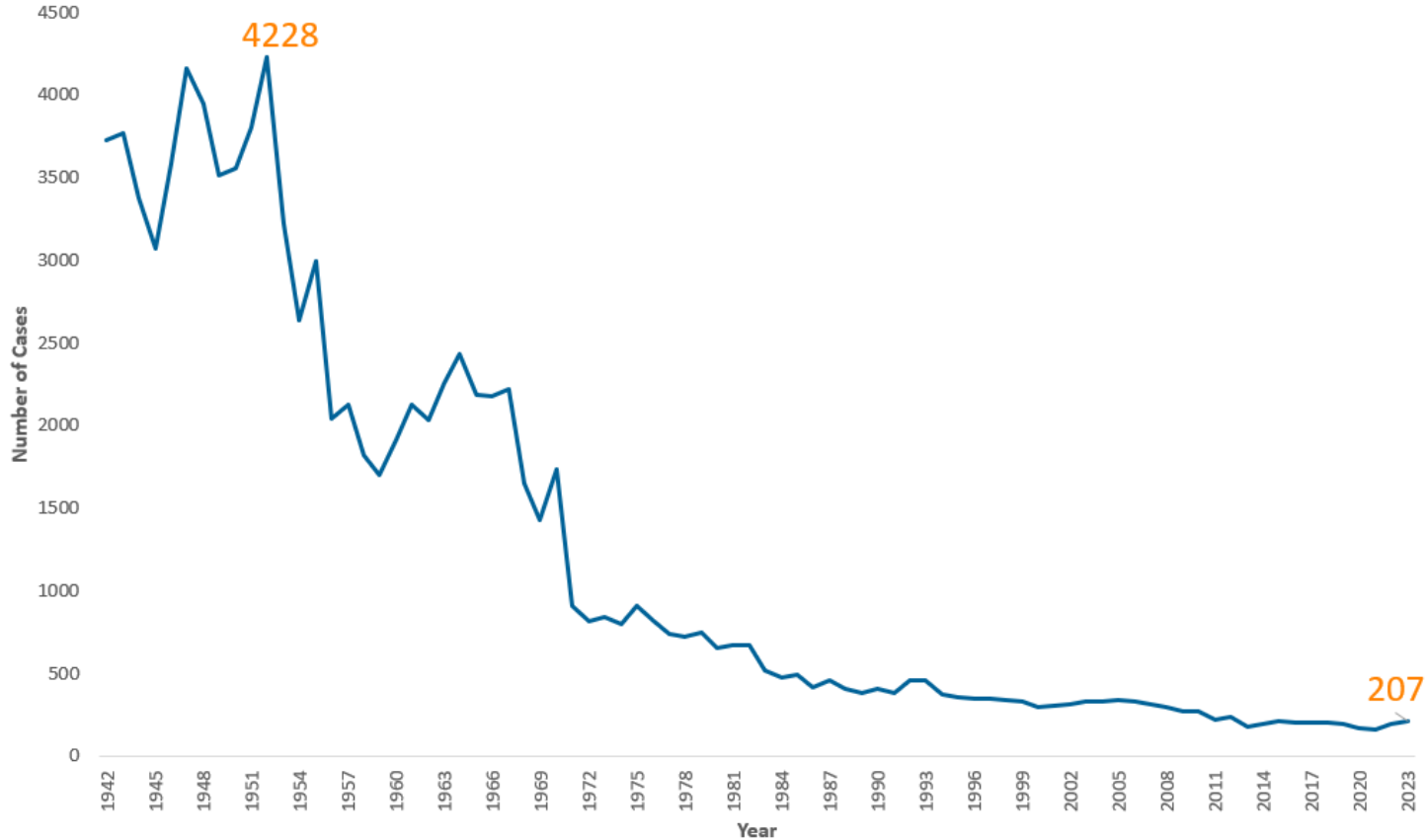


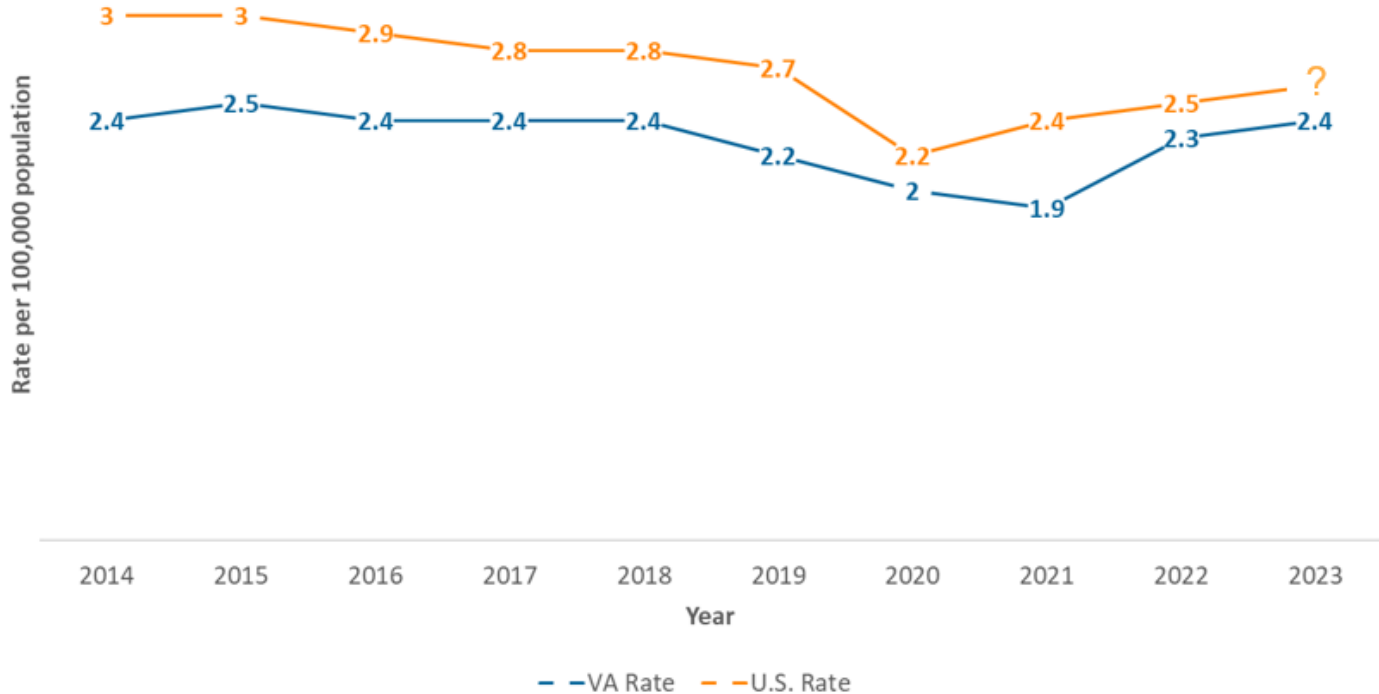
Tuberculosis Surveillance Update

Laura R. Young, MPH, CIC

Progress Toward TB Elimination, Virginia 1942-2023



TB Incidence Rate, Virginia and the United States, 2014-2023



Аналіз на ТБ може врятувати ваше життя.



дизанатися більше!



Туберкульоз (ТБ) це інфекційна хвороба, яка може вражати ваші легені, мозок, хребет та інші частини вашого тіла.



Пройдіть обстеження на туберкульоз сьогодні та захистіть себе, свою сім'ю і свою громаду.



Аналіз на туберкульоз простий, конфіденційний і безкоштовний для біженців з України.



Відвідайте сайт vdh.virginia.gov/tb, щоб дізнатися більше про туберкульоз і знайти місце проведення обстеження.

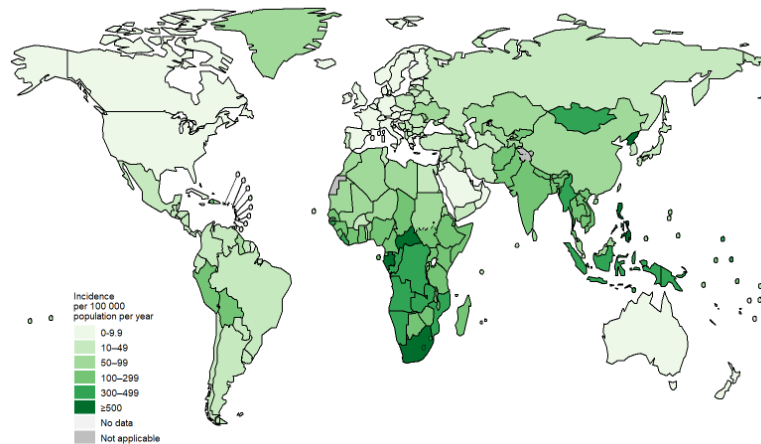
UNITING FOR UKRAINE



Nouvo vwayaj ou a kòmanse ak yon tè s TB.



Tibèkilòz (TB) ka fè kò u mal. Pwoteje tèt ou ak fanmi ou. Al fè tè s jodi a.



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Humanitarian

Abused Spouses, Children and Parents

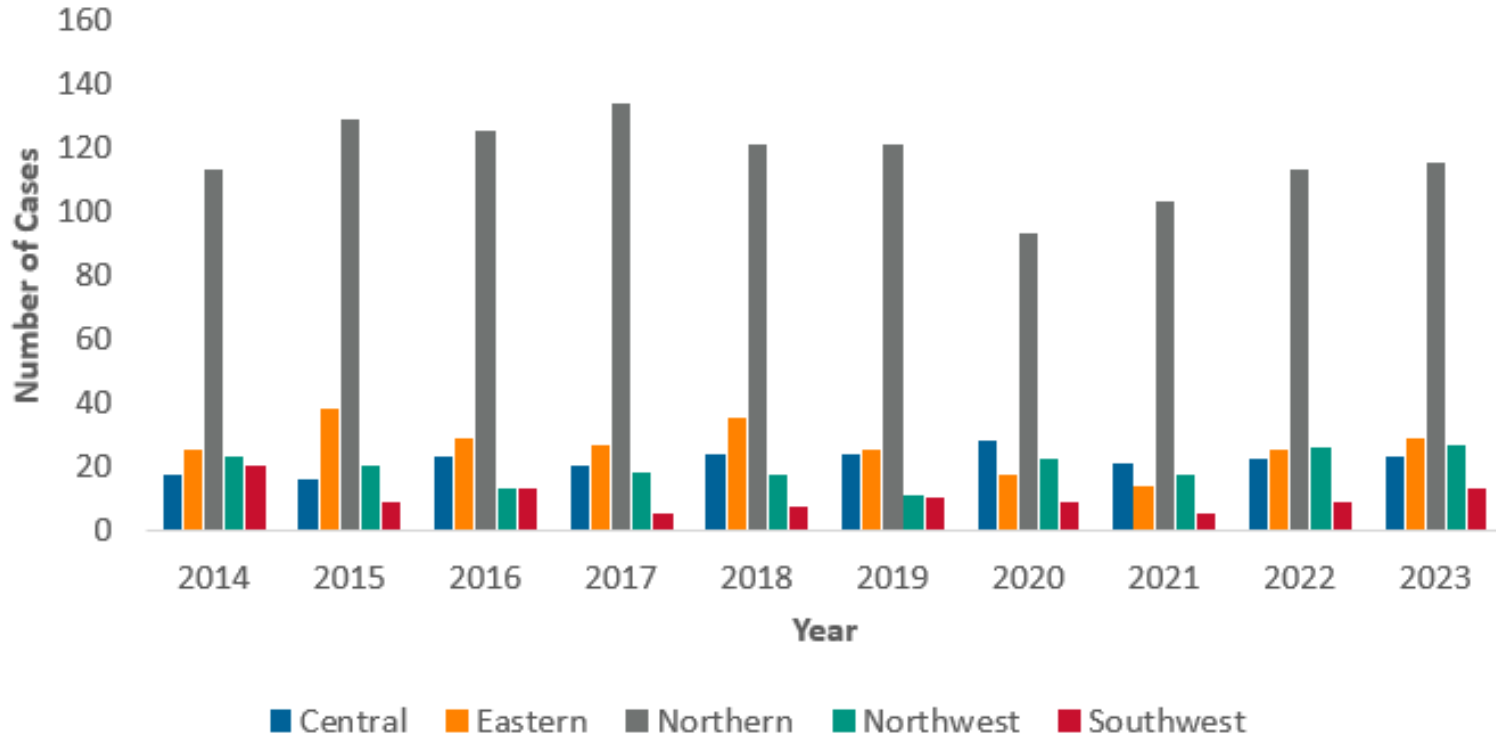
Processes for Cubans, Haitians, Nicaraguans, and Venezuelans

Processes for Cubans, Haitians, Nicaraguans, and Venezuelans

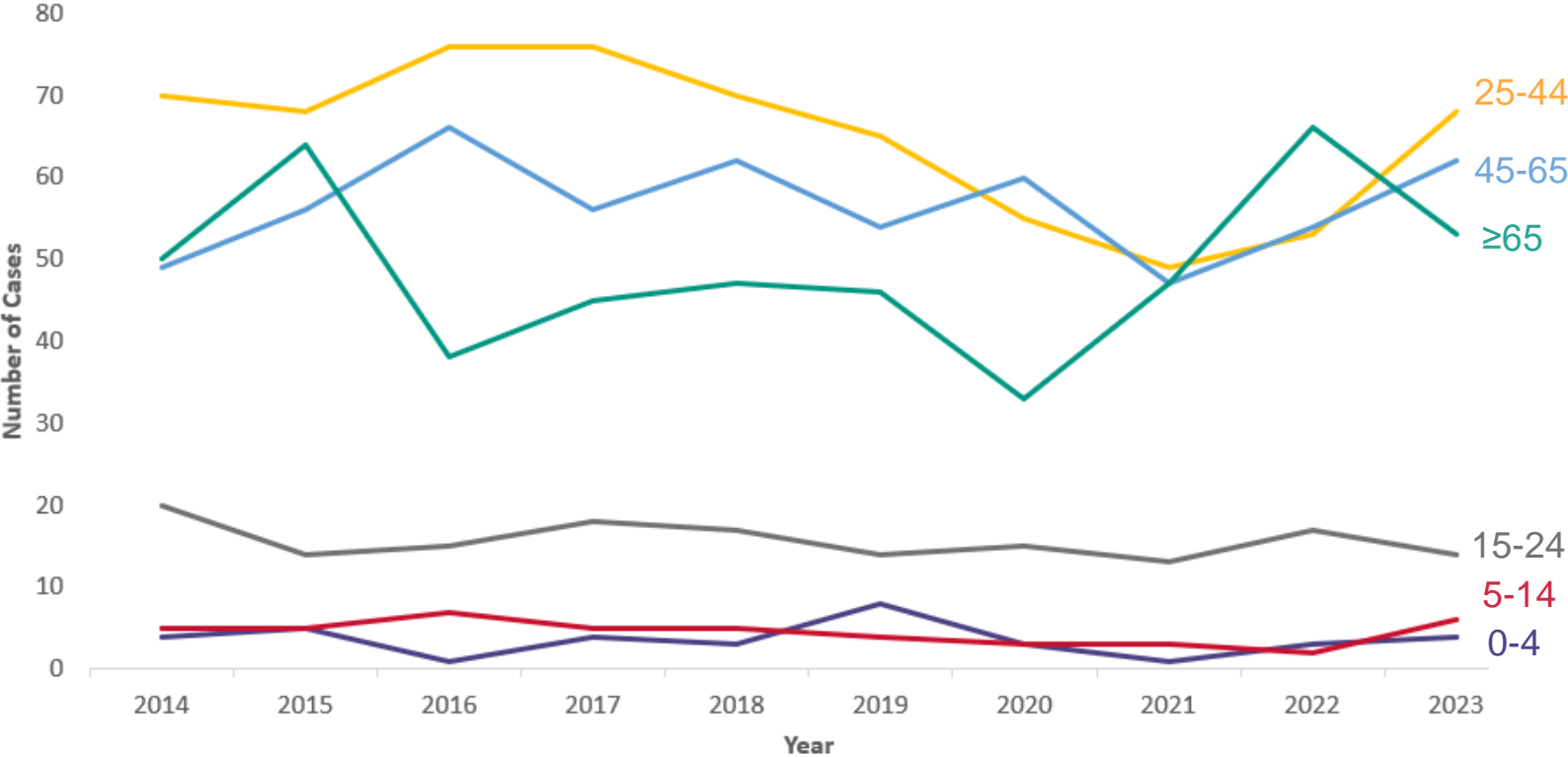
Español | Kreyòl Ayisyen

ALERT: You are likely eligible to apply for an employment authorization document (EAD) to legally

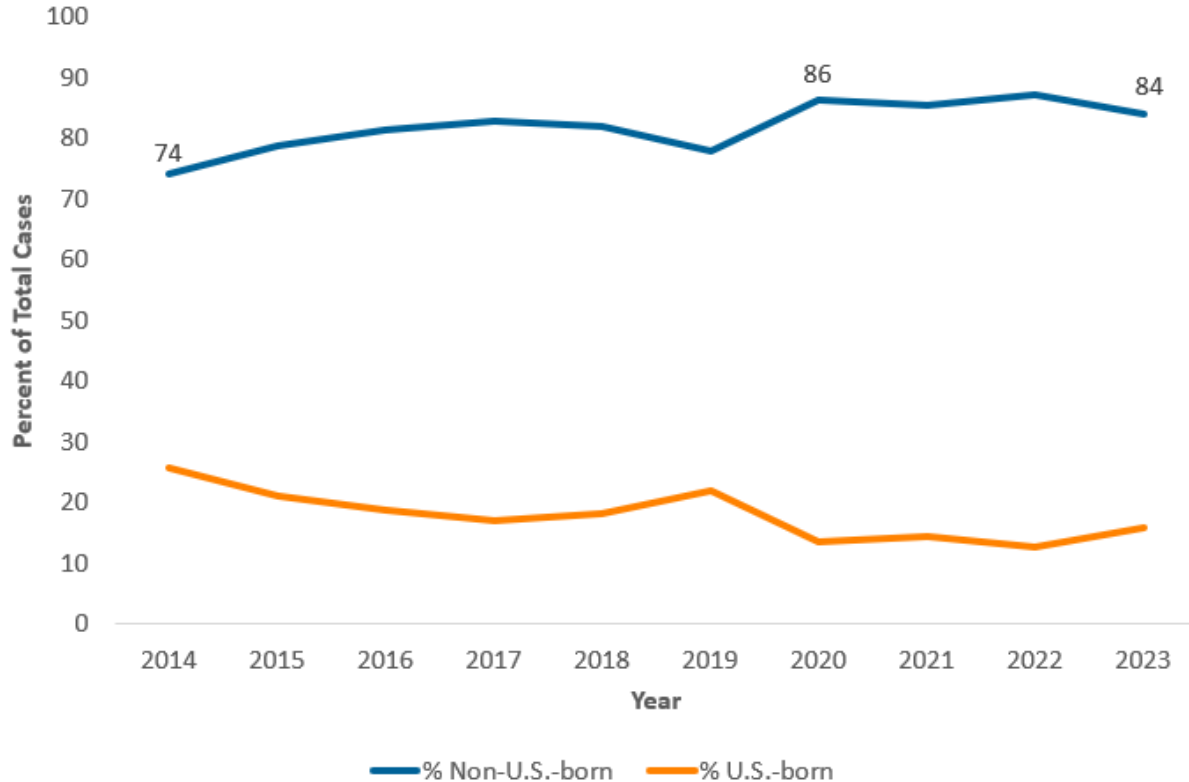
TB Case Distribution by Region, Virginia, 2014-2023



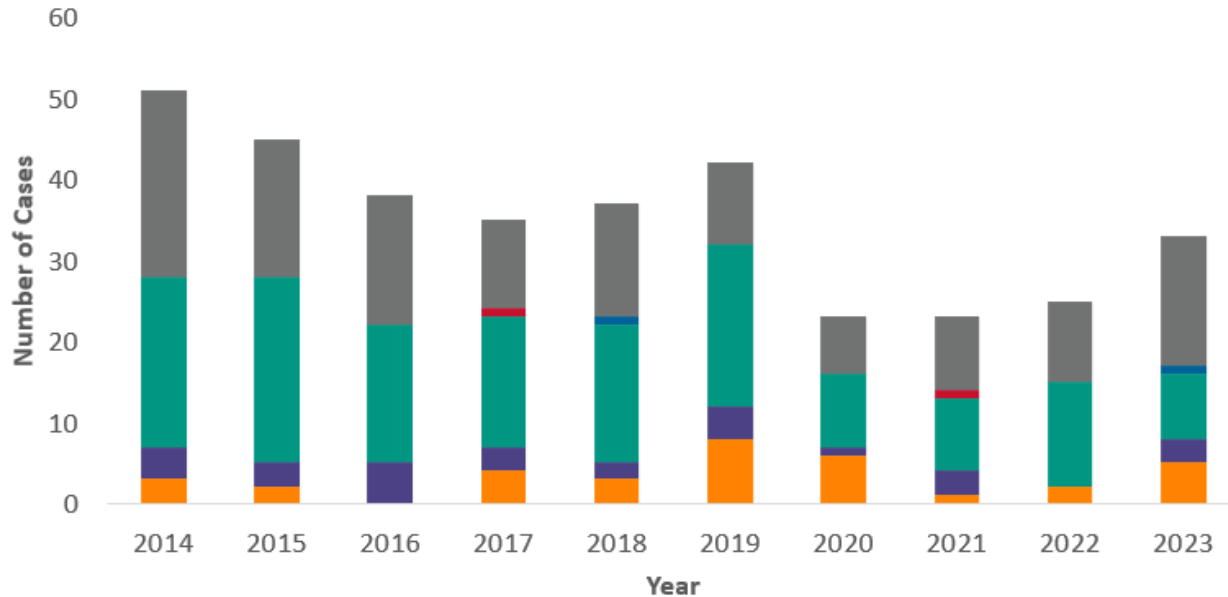
Age Group of TB Cases in Years, Virginia, 2014-2023



Percent of Total TB Cases by Nativity, Virginia, 2014-2023



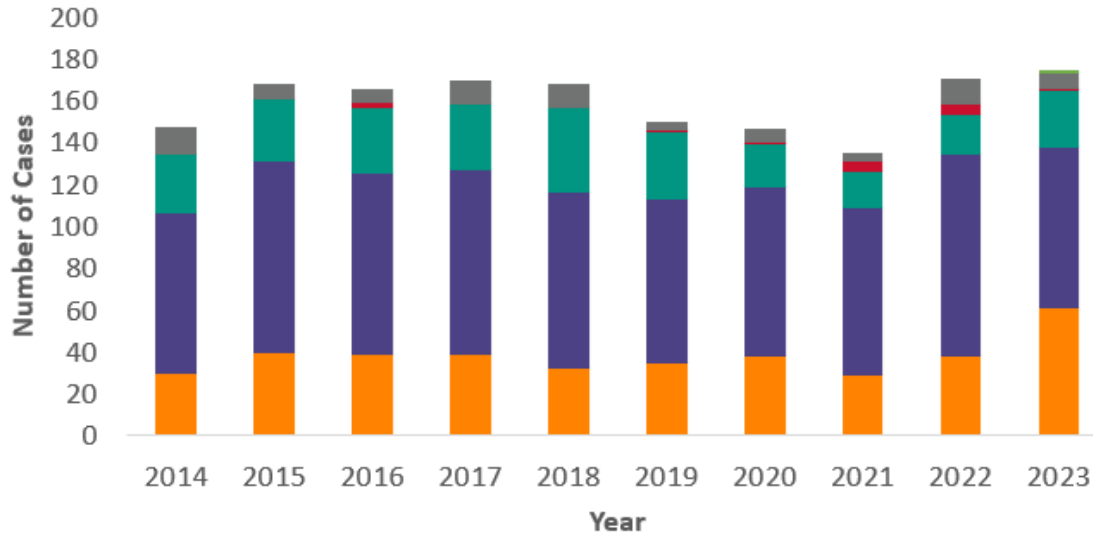
Race and Ethnicity of U.S.-Born TB Cases, Virginia, 2014-2023



- Hispanic or Latino
- Asian
- Black or African American
- Multi-Race
- Native Hawaiian or Other PI
- White



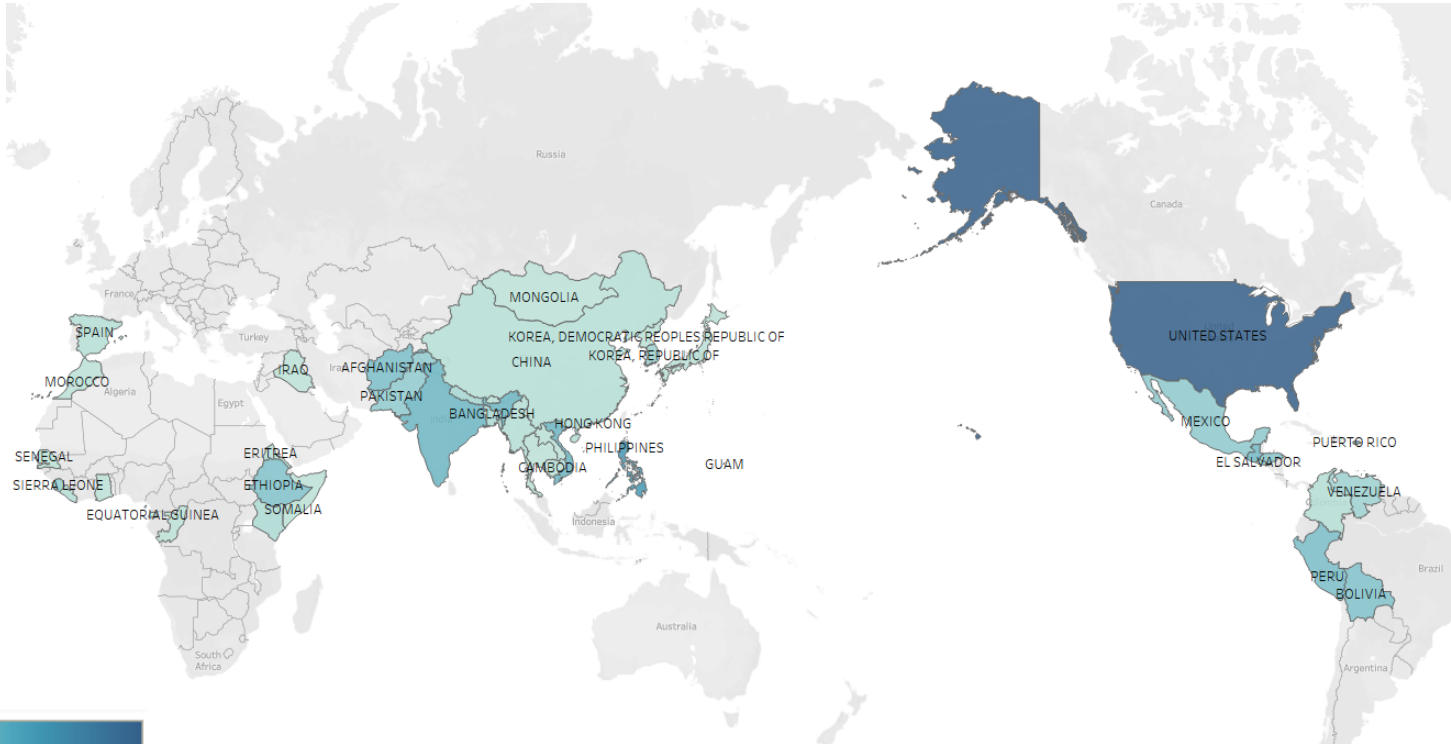
Race and Ethnicity of Non-U.S.-Born TB Cases, Virginia, 2014-2023



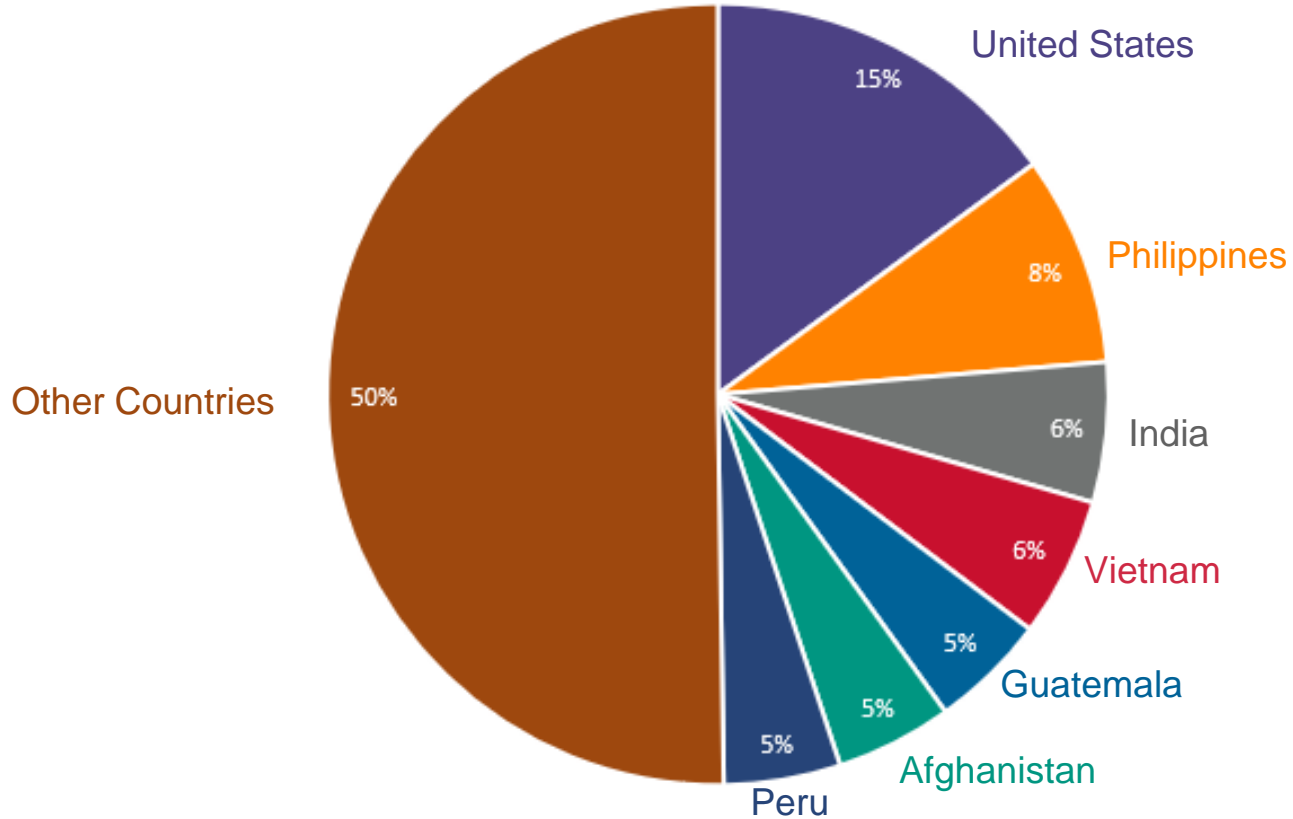
- Hispanic or Latino
- Asian
- Black or African American
- Multi-Race
- White
- Native Hawaiian or other PI



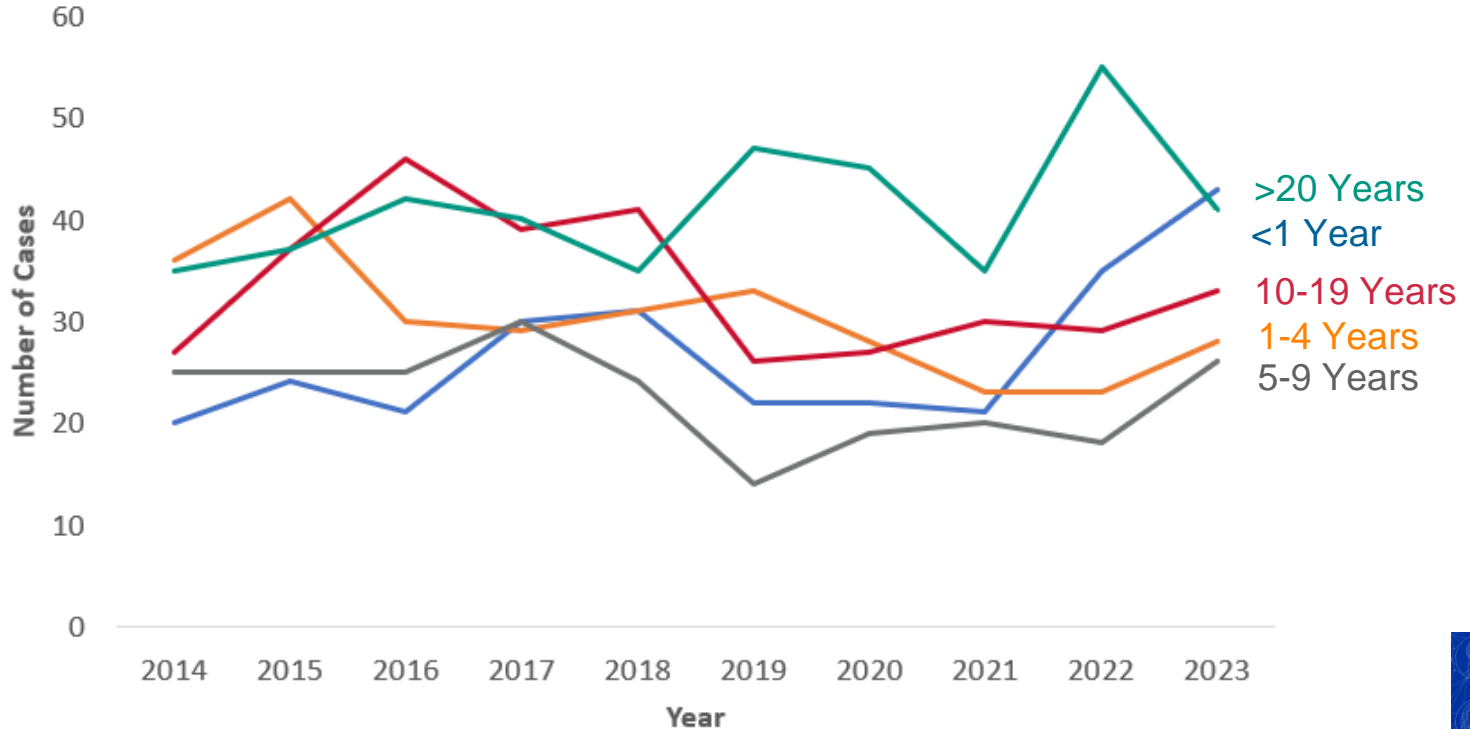
TB Cases by Country of Birth, Virginia, 2023



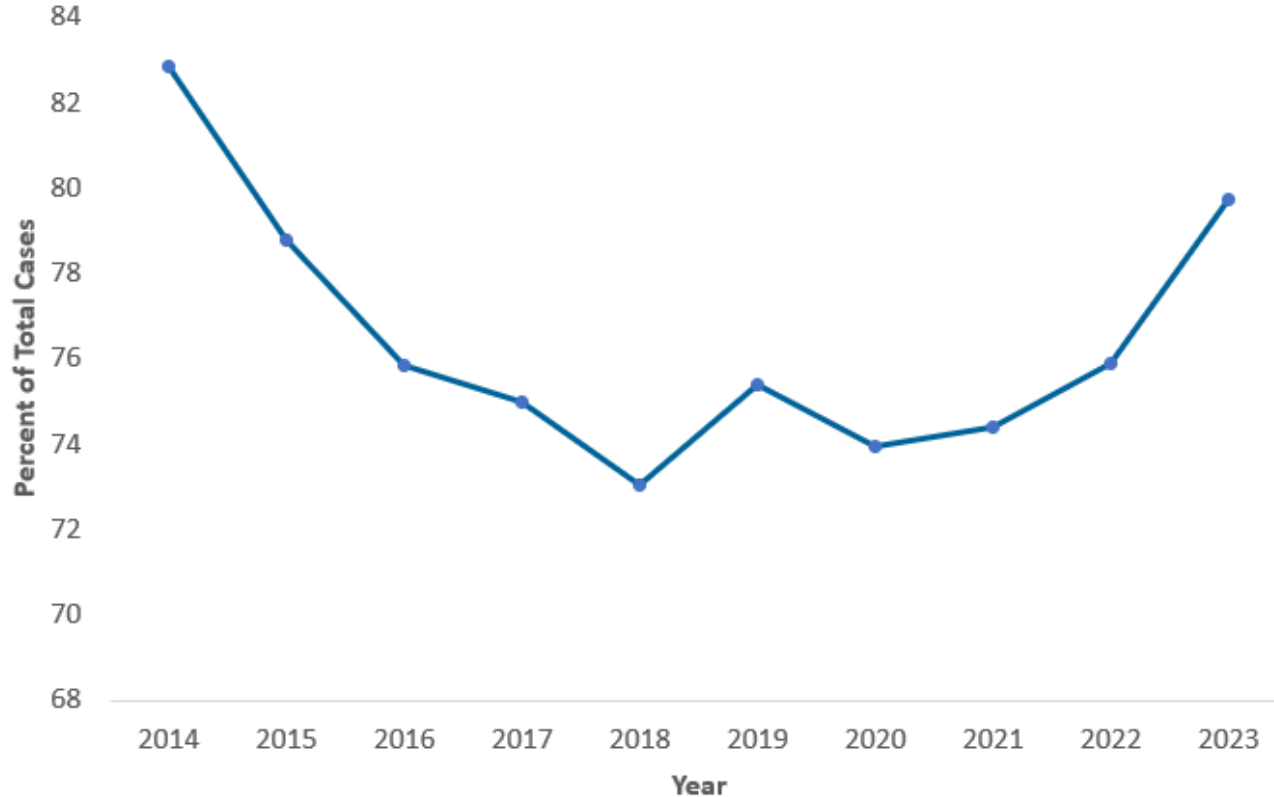
Top Countries of Birth of TB Cases, Virginia, 2023



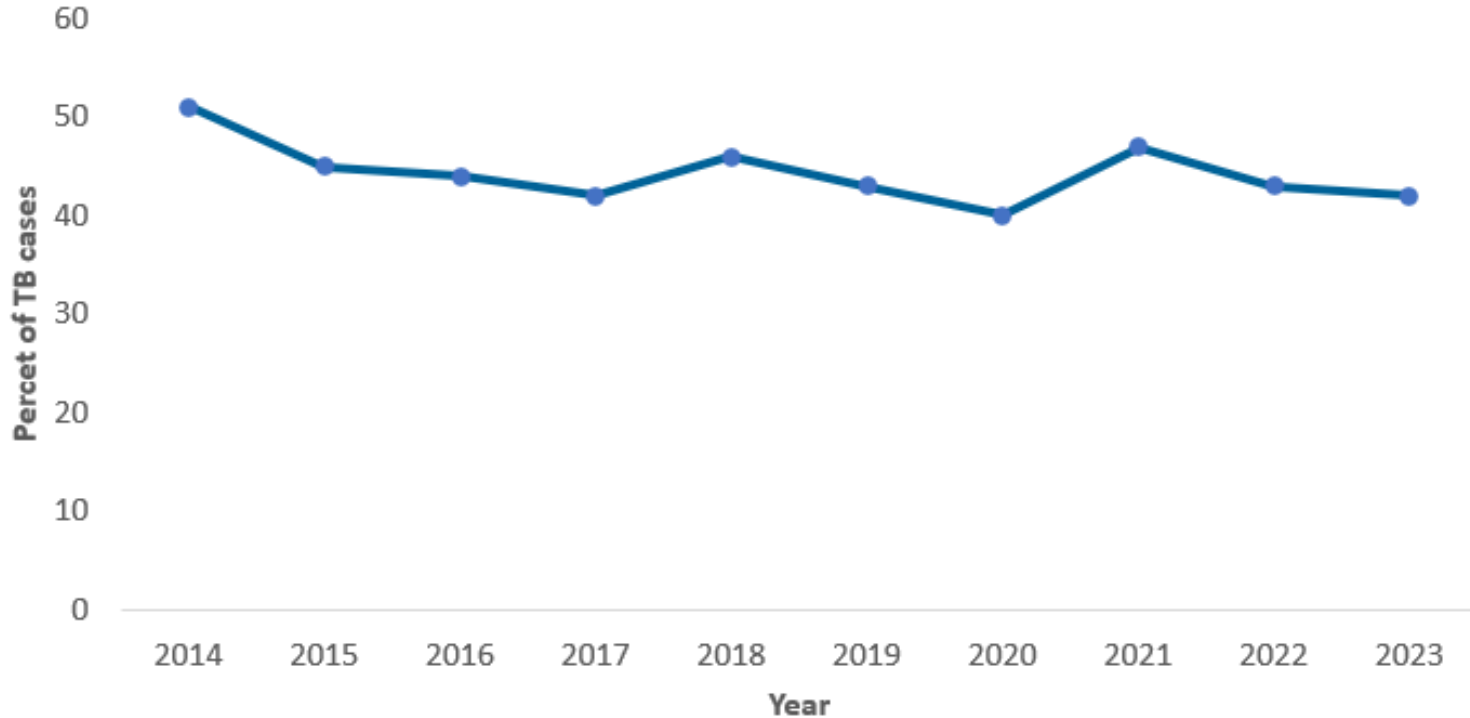
Time in the United States at TB Diagnosis, Virginia, 2014-2023



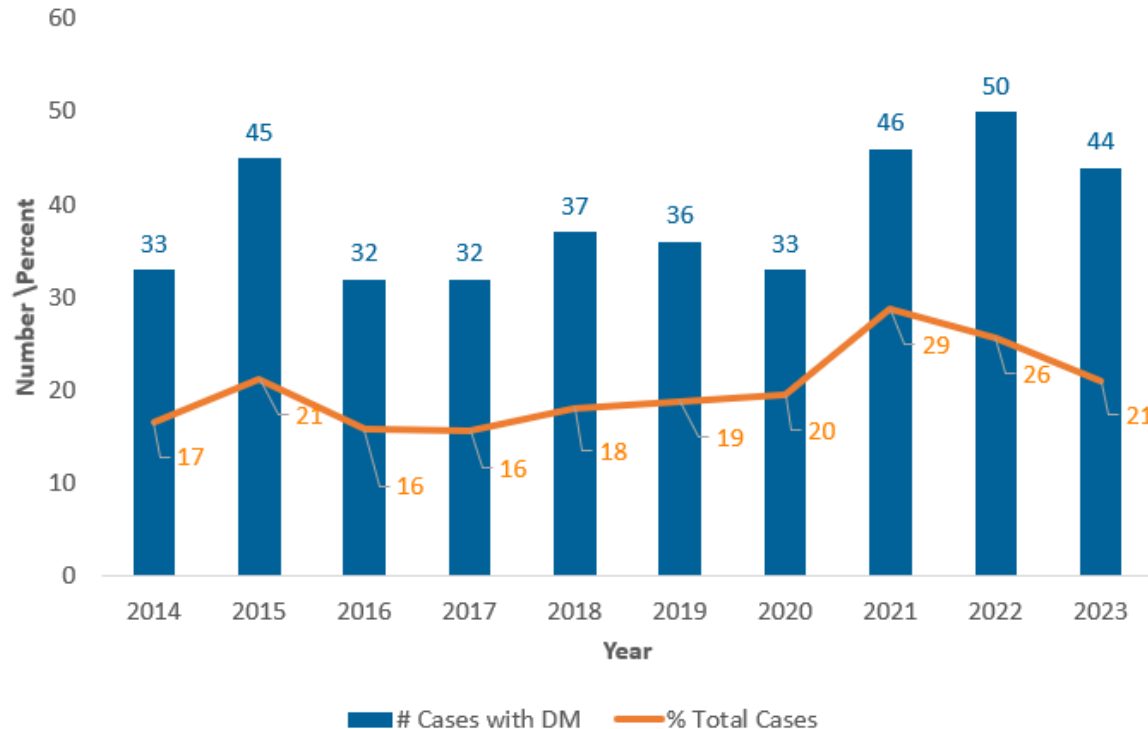
Pulmonary Site of Disease, Virginia, 2014-2023



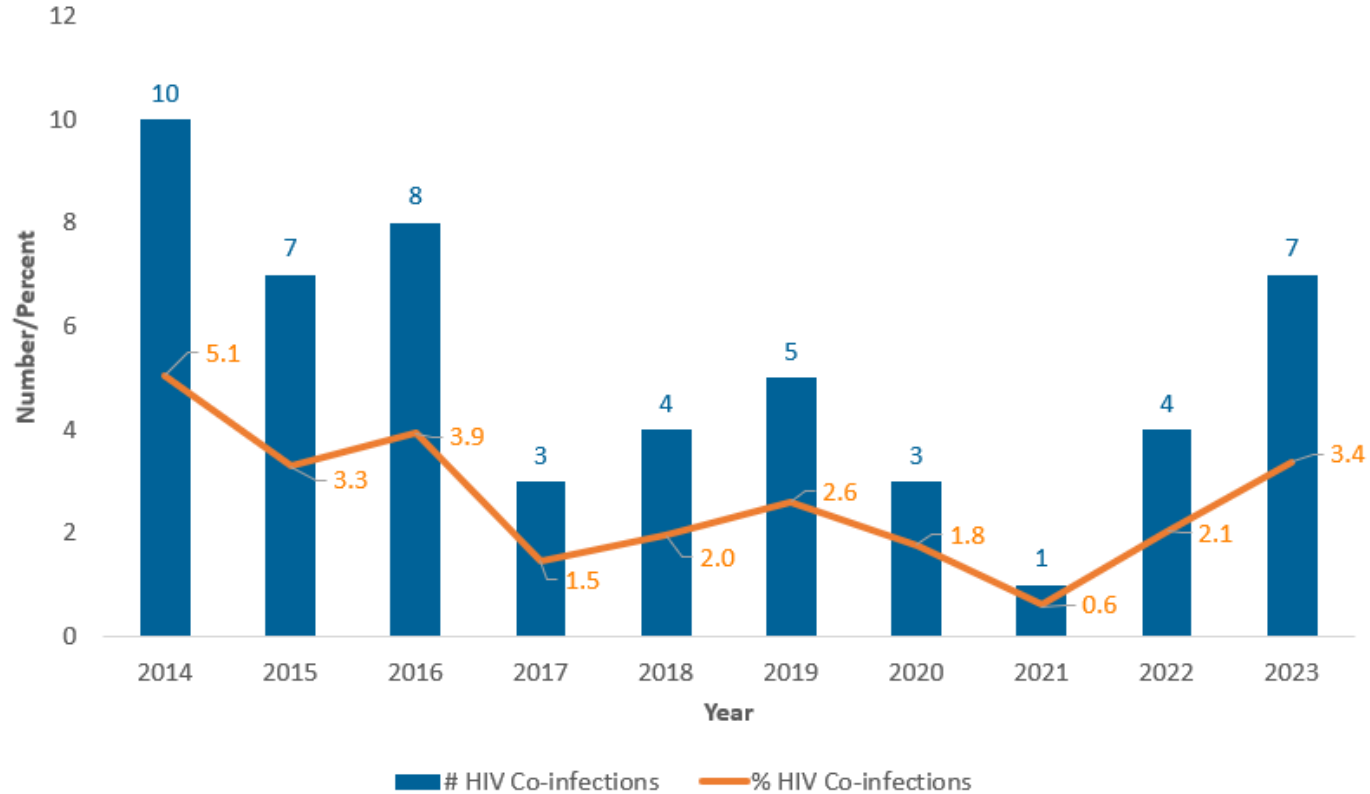
Advanced Pulmonary Disease, Virginia, 2014-2023



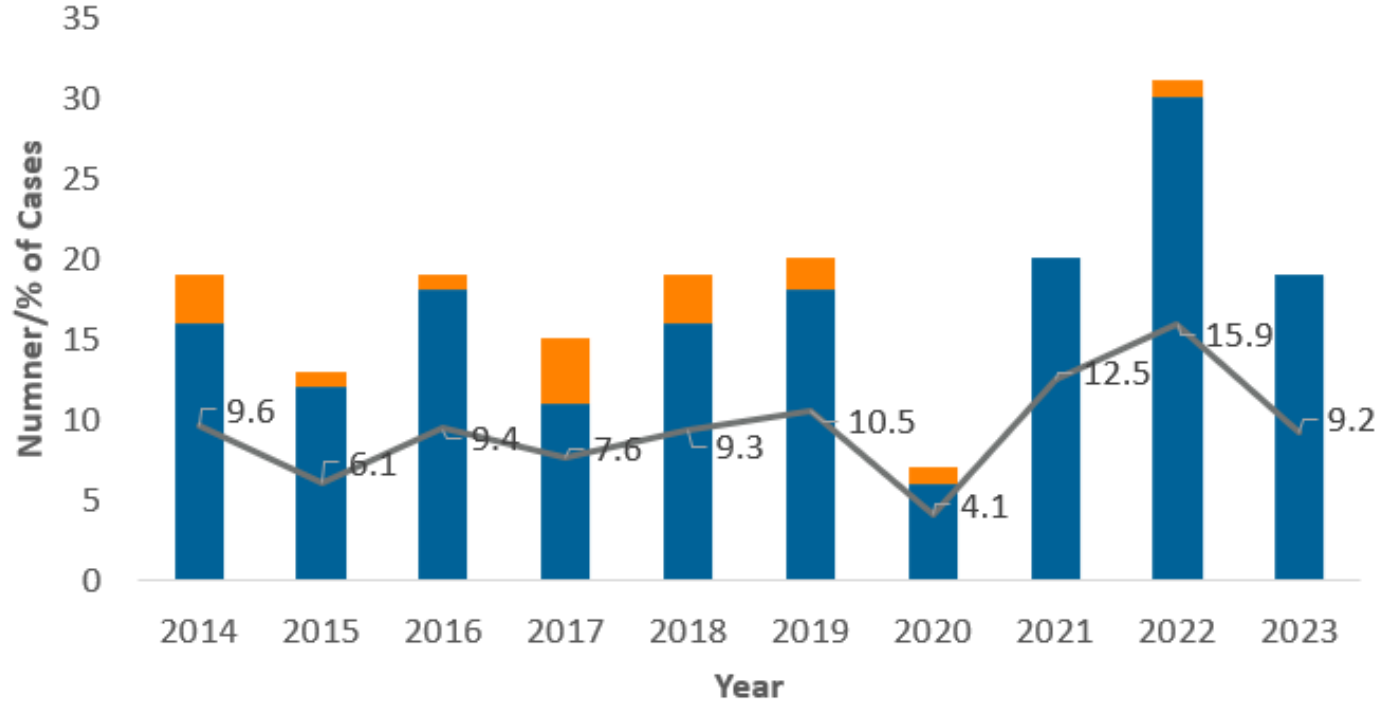
Number and Percent of TB Cases with Diabetes, Virginia, 2014-2023



TB Cases with HIV Co-infection, Virginia, 2014-2023



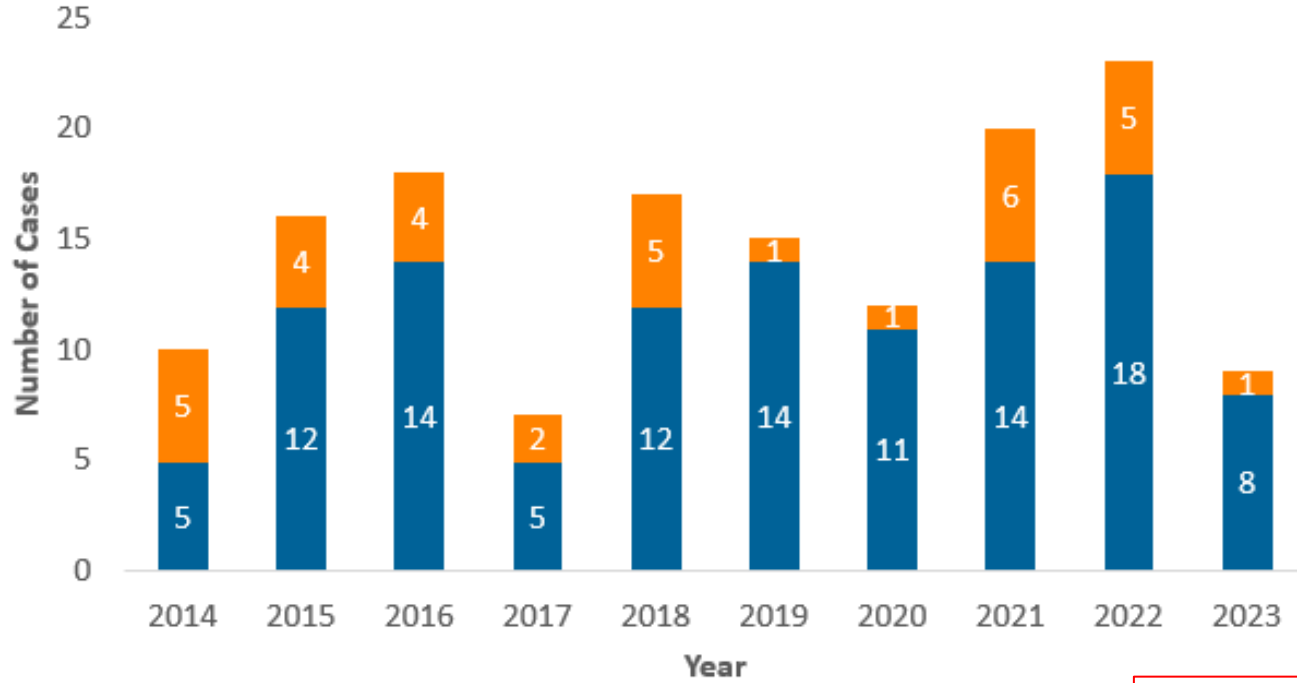
Drug Resistance Among TB Cases, Virginia, 2014-2023



■ First Line ■ MDR — % Total Cases



TB and Mortality, Virginia, 2014-2023

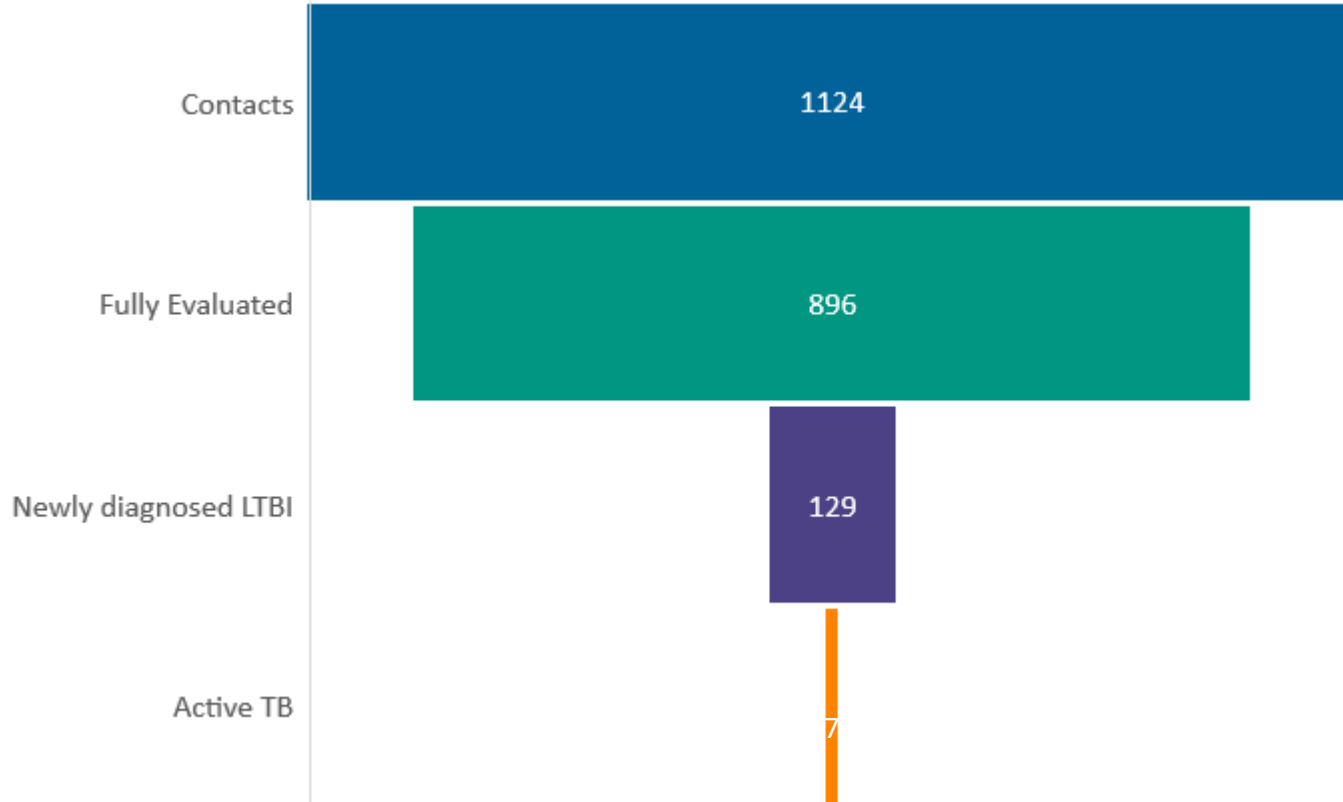


■ Alive at diagnosis ■ Dead at diagnosis

For 2023, outcome data is still pending for more than 70% of cases.



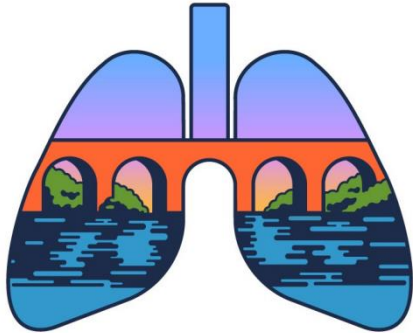
Contact Investigations Outcomes, Virginia, 2022



Latent TB Infection, Virginia, 2019-2023



Data Resources



Annual Tuberculosis Surveillance Report, 2022

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: 2018-2022 (Revised 03/13/2023)

CENTRAL REGION		2018		2019		2020		2021		2022	
City/County	2020 Pop*	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
Chesterfield County	358,245	3	0.9	3	0.9	7	2.0	3	0.8	2	0.6
Colonial Heights City	17,205	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Powhatan County	30,148	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CHESTERFIELD DISTRICT	405,598	3	0.8	3	0.8	7	1.8	3	0.7	2	0.5
Charles City County	6,821	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Goodland County	24,431	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hanover County	108,262	2	1.9	0	0.0	0	0.0	0	0.0	2	1.9
New Kent County	23,648	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CHICKAHOMINY DISTRICT	163,162	2	1.3	0	0.0	0	0.0	0	0.0	2	1.2
Dinwiddie County	28,688	0	0.0	0	0.0	1	3.5	0	0.0	0	0.0
Emporia City	5,257	1	18.9	1	19.5	1	18.7	0	0.0	1	19.0
Greensville County	11,280	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hopewell City	22,375	0	0.0	0	0.0	0	0.0	1	4.5	0	0.0
Petersburg City	30,446	0	0.0	2	6.3	0	0.0	2	6.6	1	3.3
Prince George County	38,686	0	0.0	0	0.0	0	0.0	0	0.0	1	2.6
Surry County	6,385	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sussex County	10,925	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CRATER DISTRICT	154,042	1	0.6	3	1.9	2	1.3	3	1.9	3	2.0
HENRICO DISTRICT	333,766	12	3.7	14	4.3	12	3.6	5	1.5	8	2.4
Amelia County	13,014	0	0.0	1	7.7	0	0.0	0	0.0	0	0.0
Buckingham County	17,168	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Charlotte County	11,820	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cumberland County	9,933	0	0.0	0	0.0	0	0.0	0	0.0	1	10.1
Lunenburg County	12,267	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nottoway County	15,160	0	0.0	0	0.0	0	0.0	7	46.2	2	13.2
Prince Edward County	23,006	2	8.8	0	0.0	0	0.0	0	0.0	0	0.0
PIEDMONT DISTRICT	102,368	2	2.0	1	1.0	0	0.0	7	6.8	3	2.9
RICHMOND CITY DISTRICT	232,226	4	1.8	3	1.3	6	2.6	2	0.9	4	1.7
Brunswick County	16,037	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Halifax County	33,633	0	0.0	0	0.0	0	0.0	1	3.0	0	0.0
Mecklenburg County	30,679	0	0.0	0	0.0	1	3.3	0	0.0	0	0.0
SOUTH SIDE DISTRICT	80,349	0	0.0	0	0.0	1	1.2	1	1.2	0	0.0
CENTRAL REGION	1,471,511	24	1.7	24	1.7	28	1.9	21	1.4	22	1.5
VIRGINIA	8,590,563	204	2.4	191	2.2	169	2.0	160	1.9	195	2.3

*Population estimates from NCHS Bridged Race Population via VDH Data Management. Prior to 2022, prior year population is used for calculation. Current guidance

Tuberculosis in Virginia, 2023

Overview

- NUMBER OF VERIFIED CASES: **207**
- TB RATE PER 100,000 POPULATION: **2.4**
- HEALTH DISTRICTS WITH TB CASES: **28**

Country of Birth

- 42 Number of countries of birth represented among patients with TB disease
- Born in the U.S.: 16%
- Non-U.S.-born: 84%

Most Common Countries of Birth Among Patients

United States: 31 | Philippines: 18 | India: 12 | Vietnam: 12 | Guatemala: 11

Demographics

- 55% of TB cases occurred among males
- 25.6% of TB cases were in people older than 64 years
- Minority groups continue to be heavily represented among those with TB in Virginia

Clinical Characteristics

Proportion of TB cases with:

- 3.4% HIV
- 9.2% Resistance to any first line drug
- 21.3% Diabetes
- 36.2% A positive sputum smear
- 79.7% A pulmonary site of disease

Time in the U.S.

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

Questions and Data Requests

Email: tuberculosis@vdh.virginia.gov