

# World TB Day 2023:

## *Unlocking Mental Health & TB*

March 24, 2023

**VDH** VIRGINIA  
DEPARTMENT  
OF HEALTH

*To protect the health and promote the  
well-being of all people in Virginia.*



نعم!  
يمكننا القضاء  
على مرض السل

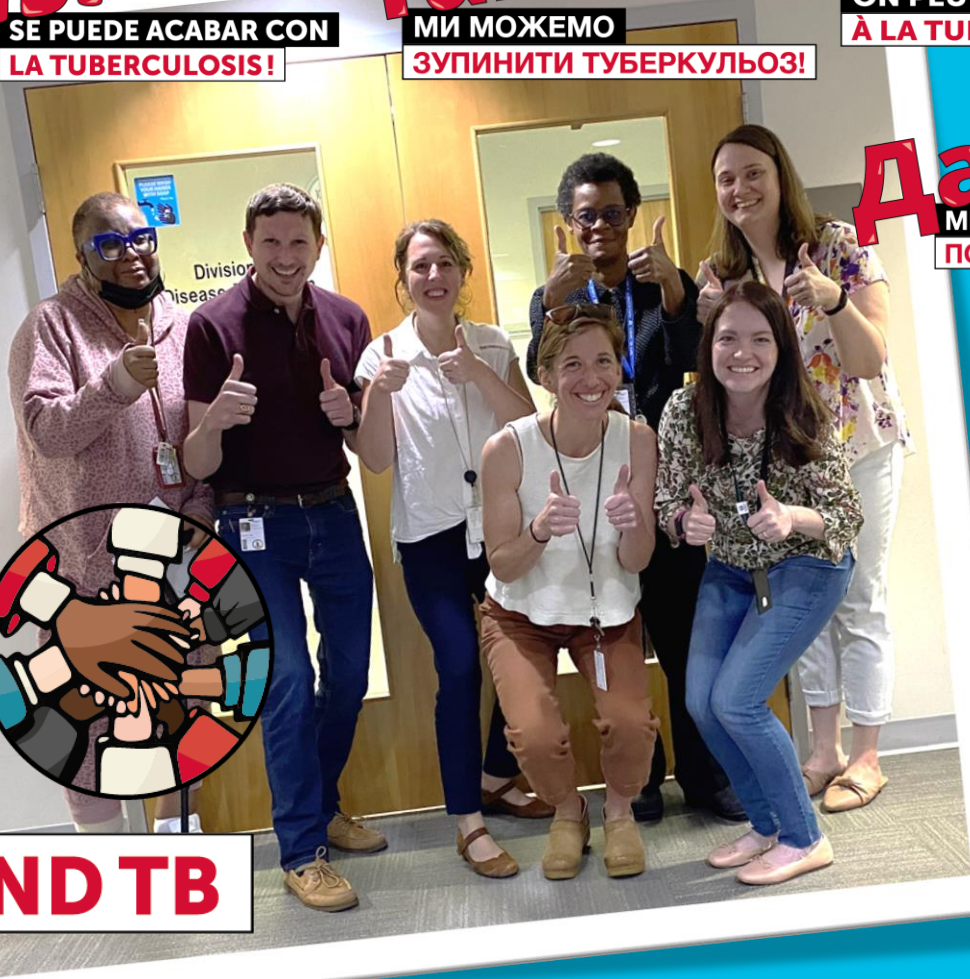
¡Sí!  
SE PUEDE ACABAR CON  
LA TUBERCULOSIS!

Так!  
МИ МОЖЕМО  
ЗУПИНИТИ ТУБЕРКУЛЬОЗ!

OUI!  
ON PEUT METTRE FIN  
À LA TUBERCULOSE

当然可以!  
我们一起 消灭肺结核!

Да!  
МЫ МОЖЕМ  
ПОКОНЧИТЬ С ТБ




YES

WE CAN

END TB

# Social Media Challenge!

1. Take a selfie or photograph with Thumbs-Up 
2. Use our suggested messages below or create your own.
3. Tag your friends, family, or colleagues to join the challenge!
4. Add the hashtags: #YesWeCanEndTB  
#WorldTBDay
5. Post on Twitter, Facebook, or Instagram!

# TB Program Update

- Staffing
- Mini grant project results and takeaways
- Humanitarian parolees
- What is on the horizon?



# Program Staffing Updates

- TB Nurse Consultant
  - Amanda Khalil has left VDH to pursue an opportunity with the Peace Corps
  - Screening and scheduling of interviews in progress for nurse consultant position
- Division Medical Consultant
  - Recruitment was not successful
  - VDH TB Program is pursuing a contract physician to provide clinical consultation
  - Will complement UVA physicians and GTBI clinical consultations



# LTBI Mini Grant Program



# LTBI Mini Grant Recipients

- Rappahannock
- Rappahannock/Rapidan
- Roanoke/Alleghany

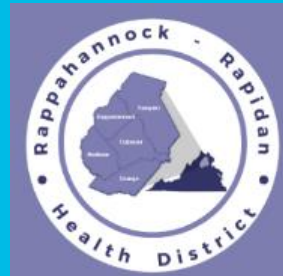
# Rappahannock

- Provider outreach/education about TB and LTBI
- Lessons Learned
  - Traditional outreach/education approaches for providers not well-received
  - Community providers often desire to defer TB/LTBI treatment/management to local health departments
- Piece of Advice
  - "Strike while the iron is hot" and have an elevator pitch ready
  - Collaborate with school nursing providers to provide education



# Rappahannock-Rapidan

- Assessing LTBI follow-up among local providers
- Lessons Learned
  - Providers not aware that LTBI is reportable
  - Treatment is not always offered for clients with positive test but negative X-ray
- Piece of Advice
  - Establish connections with providers and maintain them!



# Roanoke-Alleghany

- Community Survey on Knowledge about TB
- Lessons Learned
  - Many people do not have a personal experience with TB
  - Lots of misconceptions about TB symptoms, transmission, and diagnosis
- Piece of Advice
  - Be sure you engage your population of focus

# Humanitarian Parolees

- Humanitarian parolees continue to arrive in the U.S.
- Data sheets have been received for over 1,025 parolees who have resettled in Virginia to date
- Parolees are primarily Ukrainians, but some Venezuelans, Cubans, and Nicaraguans
- ~12% positivity rate for LTBI, no active TB cases among parolees resettling in Virginia to date
- VDH TB program continues to provide support to districts (IGRA reimbursement) and coordinate with Federal partners



**Tak!**  
МИ МОЖЕМО  
ЗУПИНИТИ ТУБЕРКУЛЬОЗ!



**iSi**  
SE PUEDE ACABAR CON  
LA TUBERCULOSIS!

# Looking ahead...

- Recruiting and filling vacant positions
- Expansion of LTBI projects
  - Prioritized testing
  - LTBI enhanced surveillance and provider education
- Trainings
  - RVCT
  - EDN
- Finalizing TB Elimination Plan, shift to implementation
- Four month treatment workgroup



# Project LIFT

Latent TB Infection Surveillance  
Follow-Up Initiative

# Project Team



**Al-Mounawara (Mouna) Yaya**  
Data Analyst



**Juniece Brown**  
Surveillance Coordinator



**Hallie Sommardahl**  
Surveillance Coordinator

# Project Summary

- Audience: Providers only – no patient outreach
- Objectives:
  1. Collect missing case information for previously reported LTBI cases – either received via electronic lab reporting (ELR) or through morbidity reports.
  2. Update VEDSS investigations with newly obtained case information.
  3. Perform rigorous data cleaning and quality assurance of all available LTBI data.
  4. Increase awareness of LTBI Patient and Provider Toolkit, and send materials to interested providers and practices.
- Outcomes:
  - At the end of the project, we aim to have a clean and complete LTBI dataset that will allow us to strategically plan future prevention and outreach efforts.

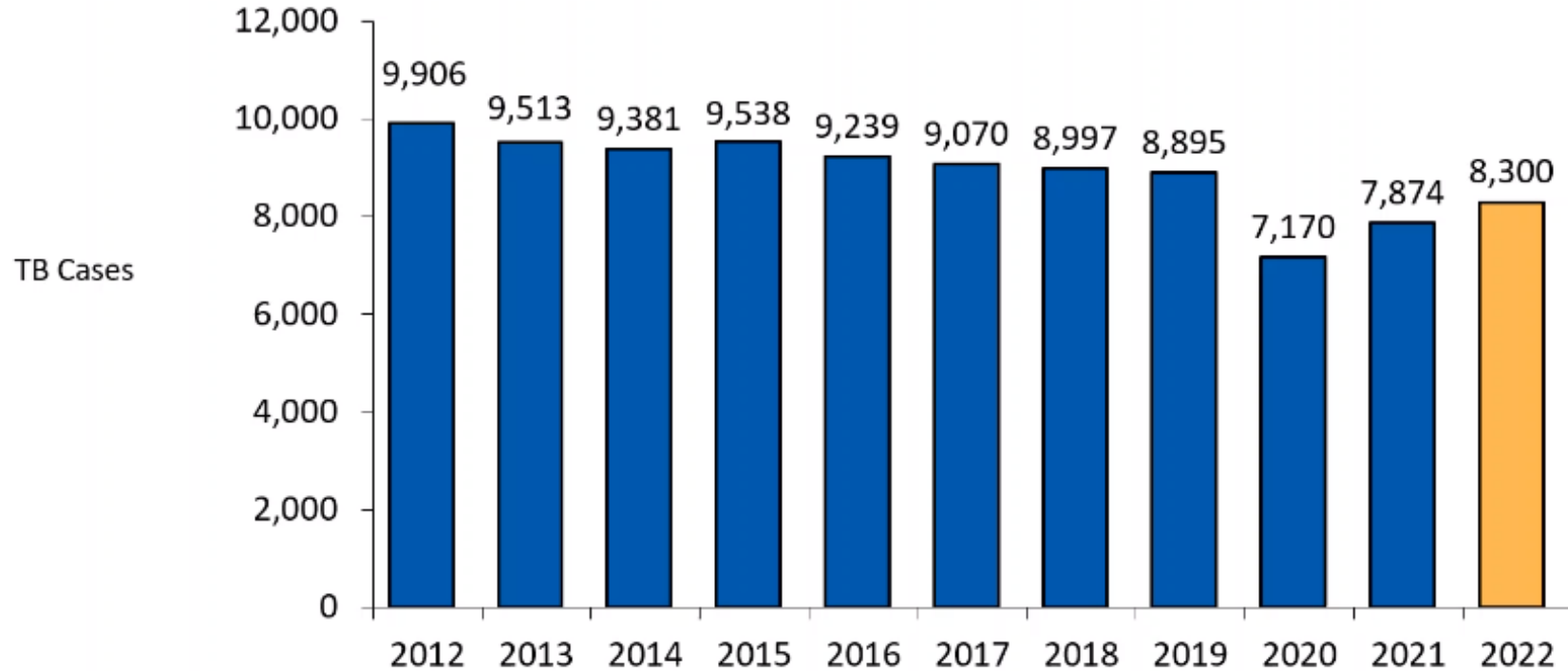
# What do you need to know?

- In the upcoming weeks, we will be reaching out to schedule virtual meet-and-greets with your assigned surveillance coordinator.
- We would like to discuss District-specific needs and/or requests for data summaries, as well as discuss provider outreach considerations in your District.
- For project-related questions, please contact [jane.tingley@vdh.virginia.gov](mailto:jane.tingley@vdh.virginia.gov).

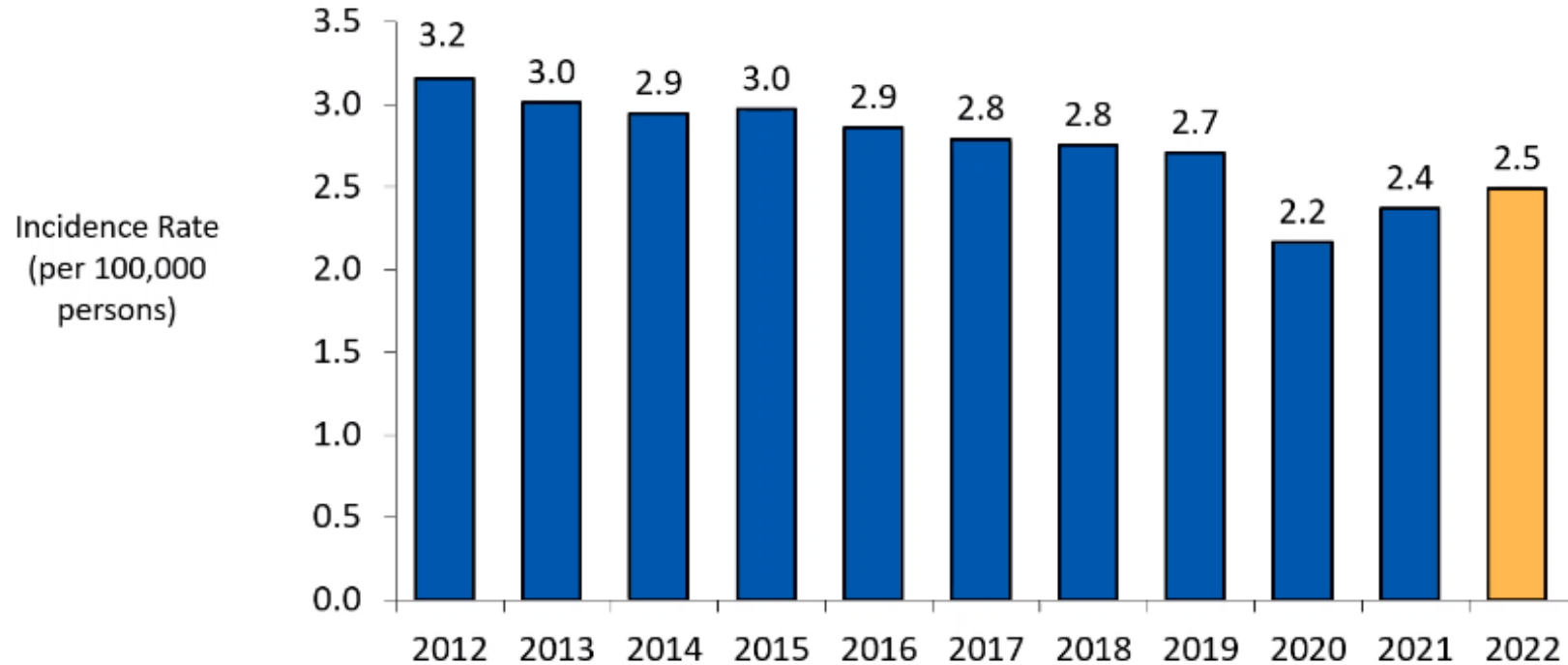


# Surveillance Update

# Tuberculosis Cases, United States, 2012-2022

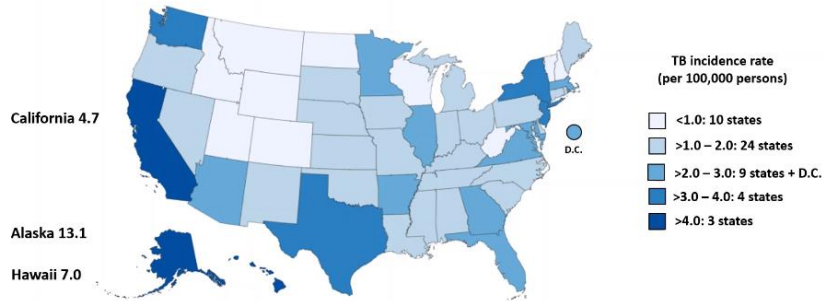


# Tuberculosis Rate, United States, 2012-2022

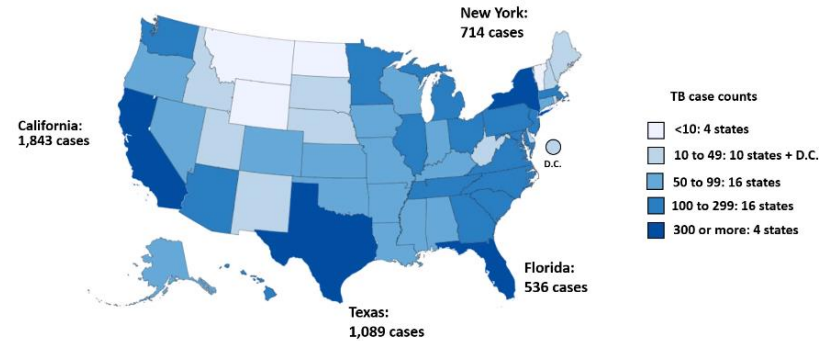


# Tuberculosis, National Distribution by State, 2022

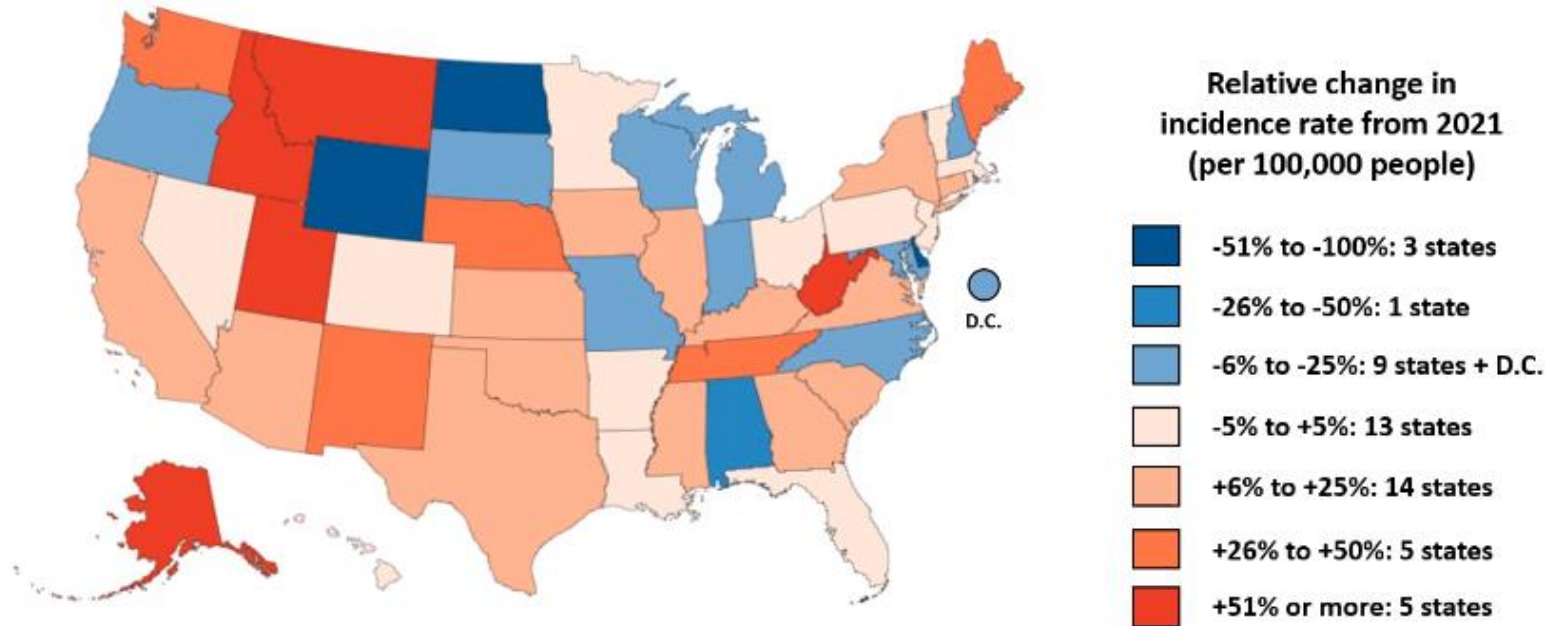
## TB incidence rates by state, 2022



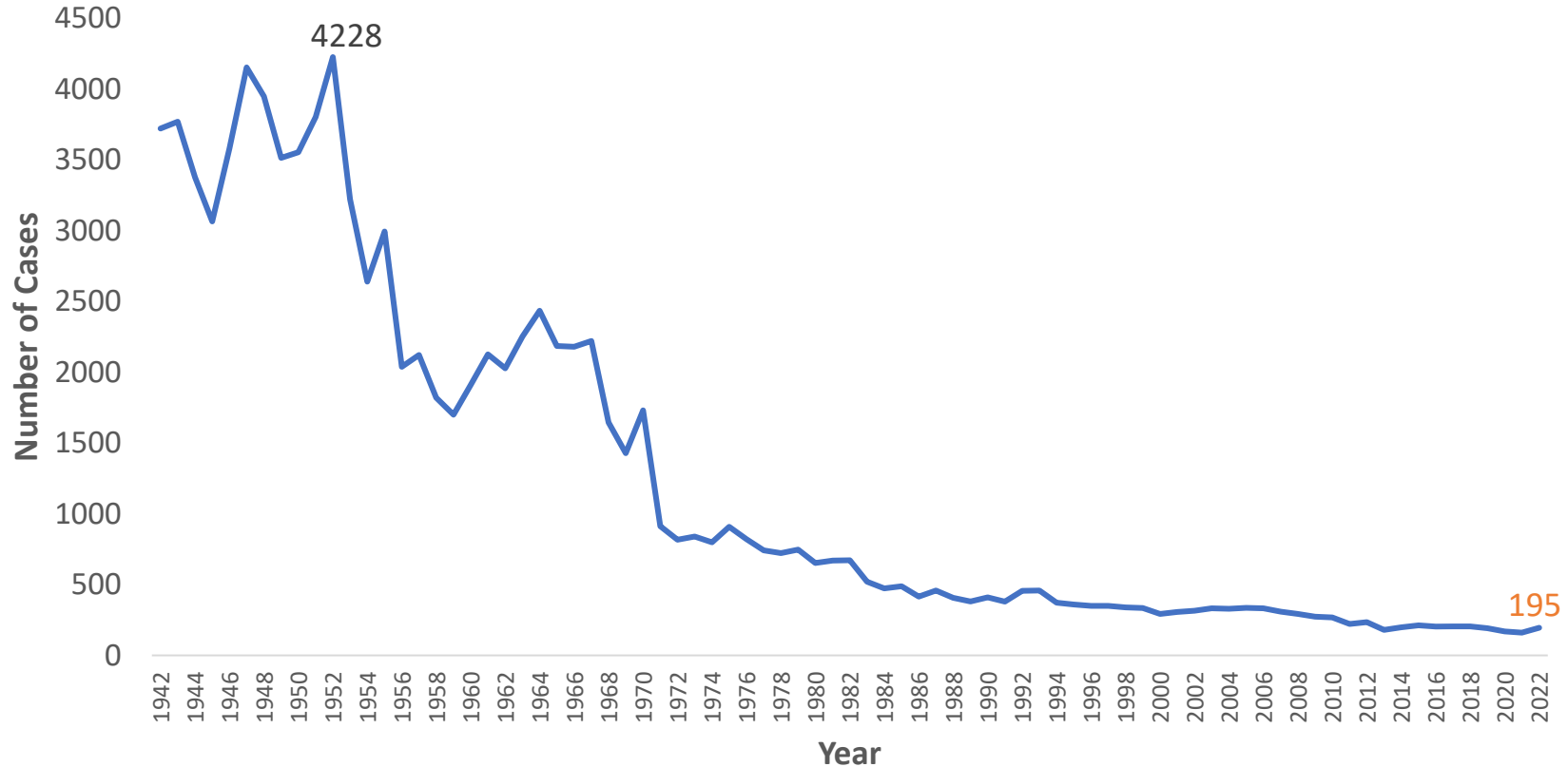
## TB case counts by state, 2022



# Relative Changes in TB Incidence Rates, United States, 2022



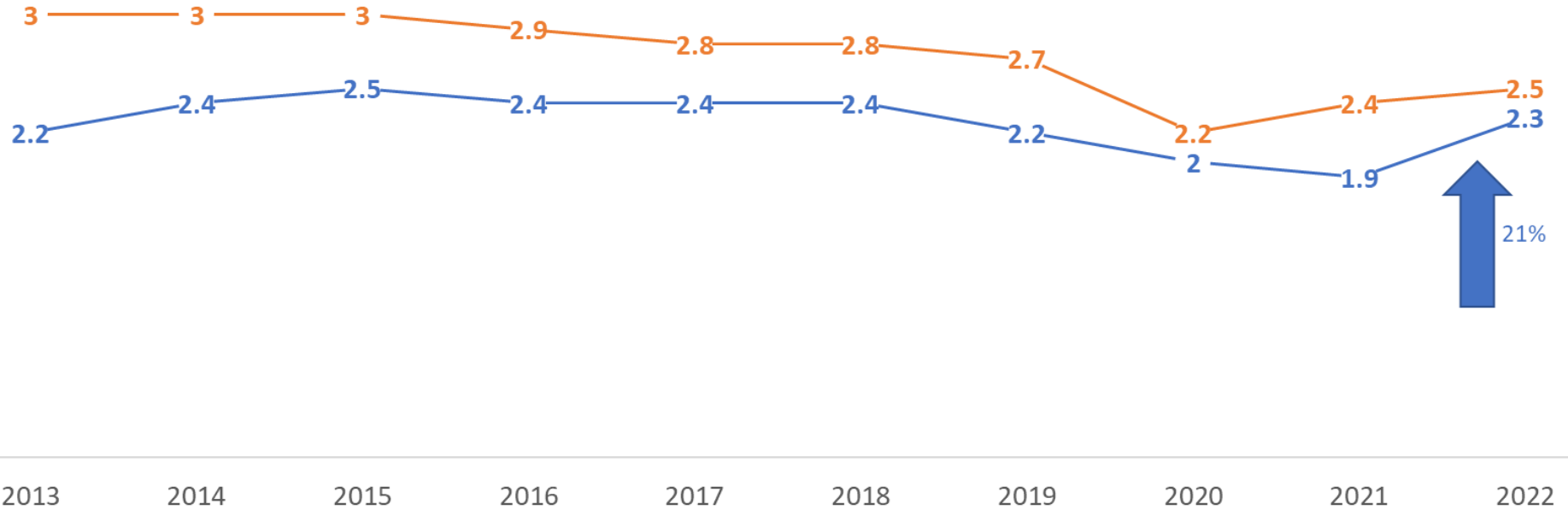
# Progress toward TB elimination, Virginia, 1942-2022





# Tuberculosis Incidence Rate, Virginia and the United States, 2013-2022

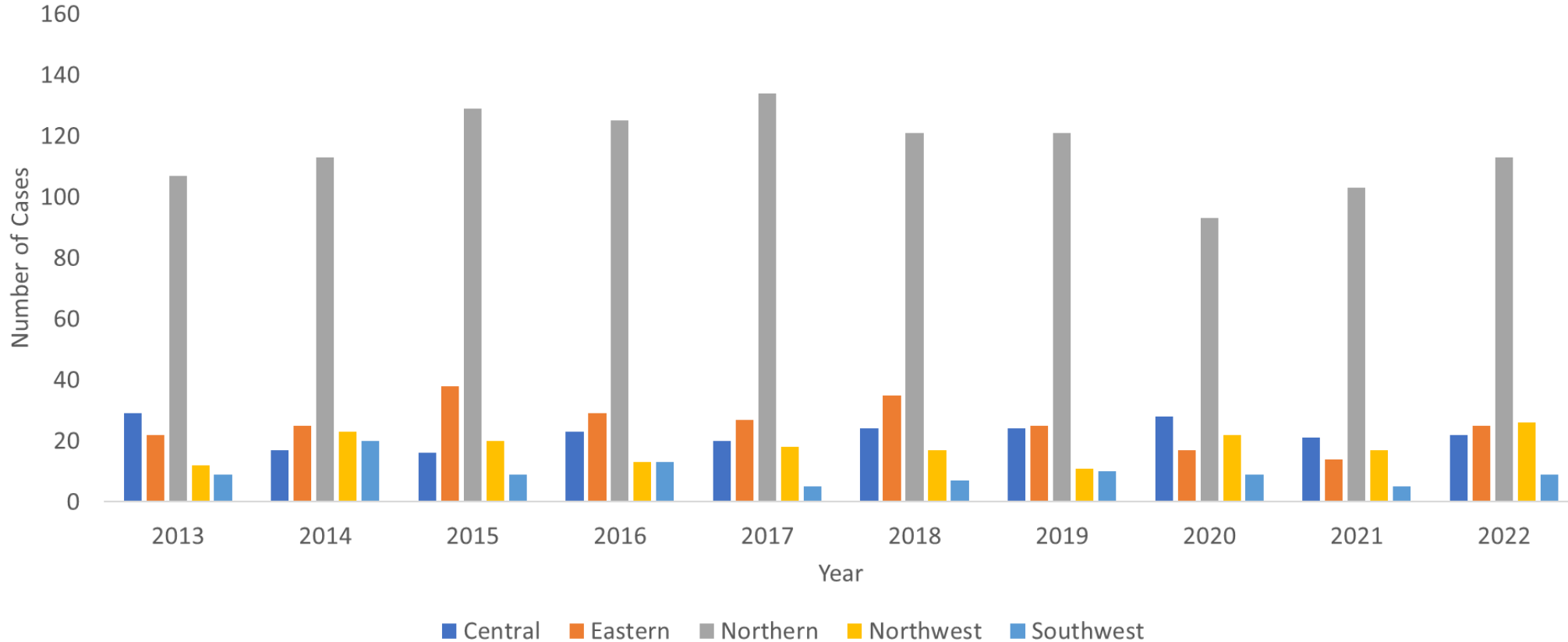
Rate per 100,000 population



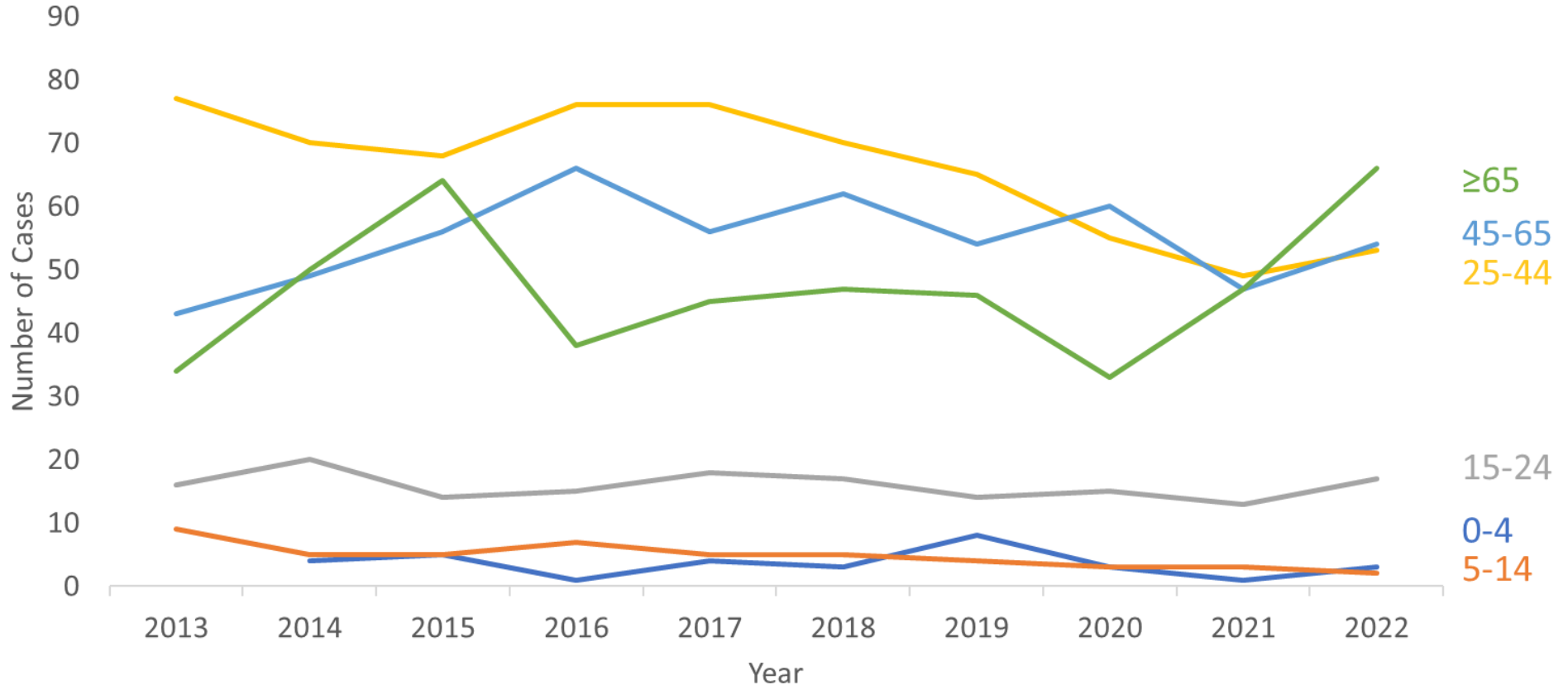
— VA Rate — U.S. Rate



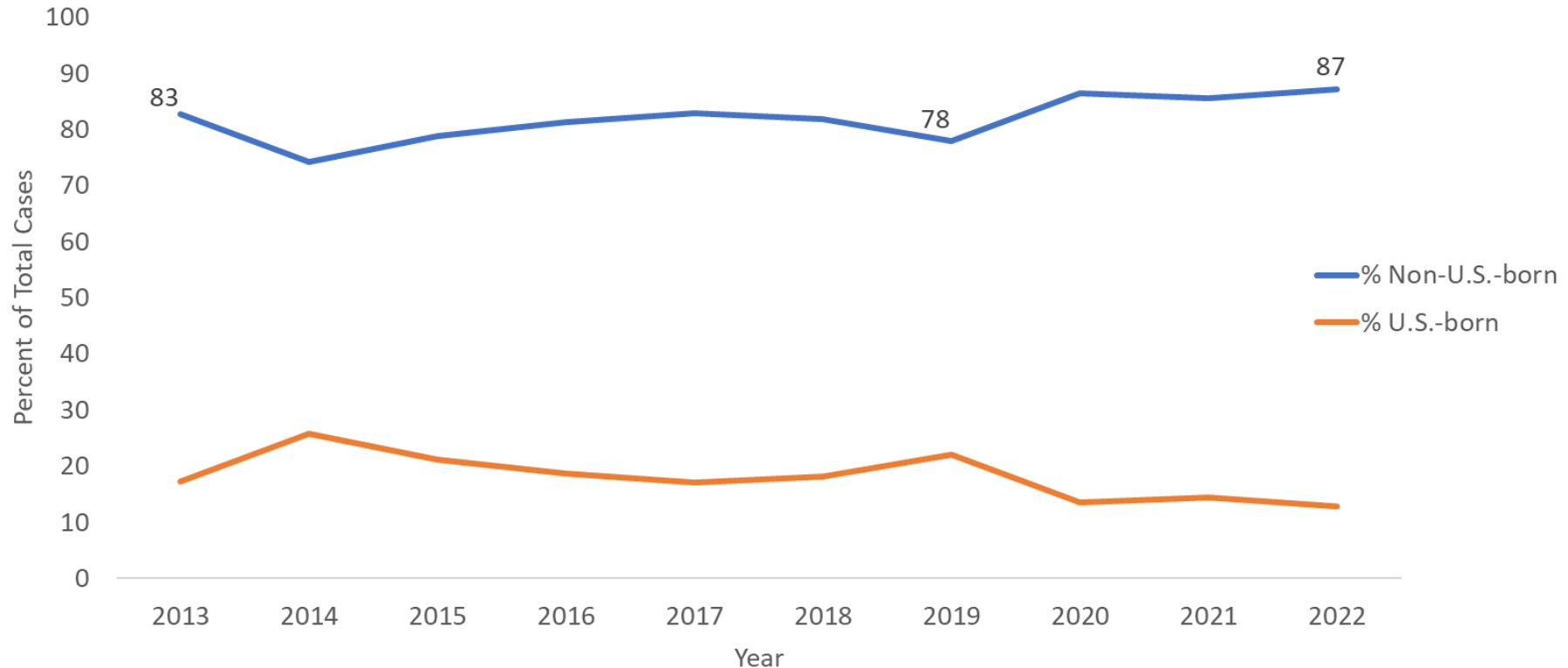
# Tuberculosis Case Distribution by Region, Virginia, 2013-2022



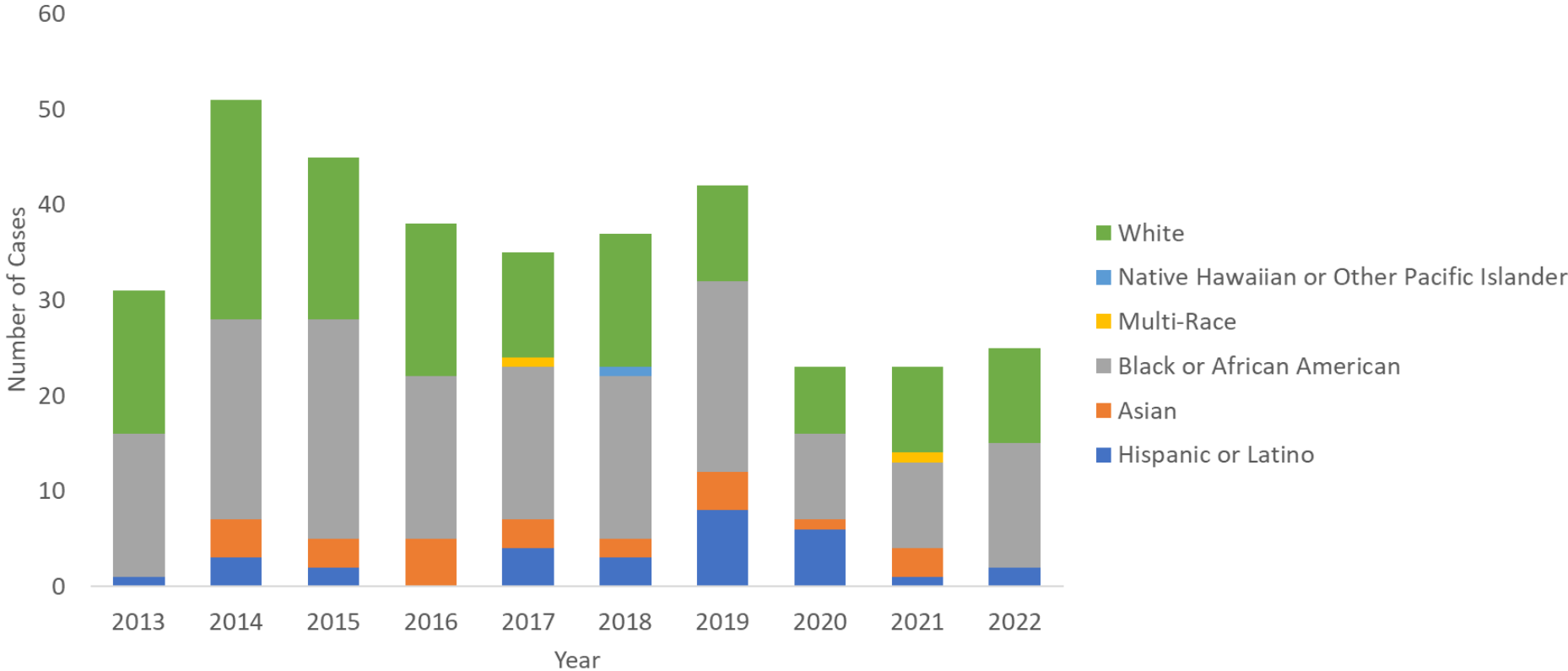
# Age Group of Tuberculosis Cases in Years, Virginia, 2013-2022



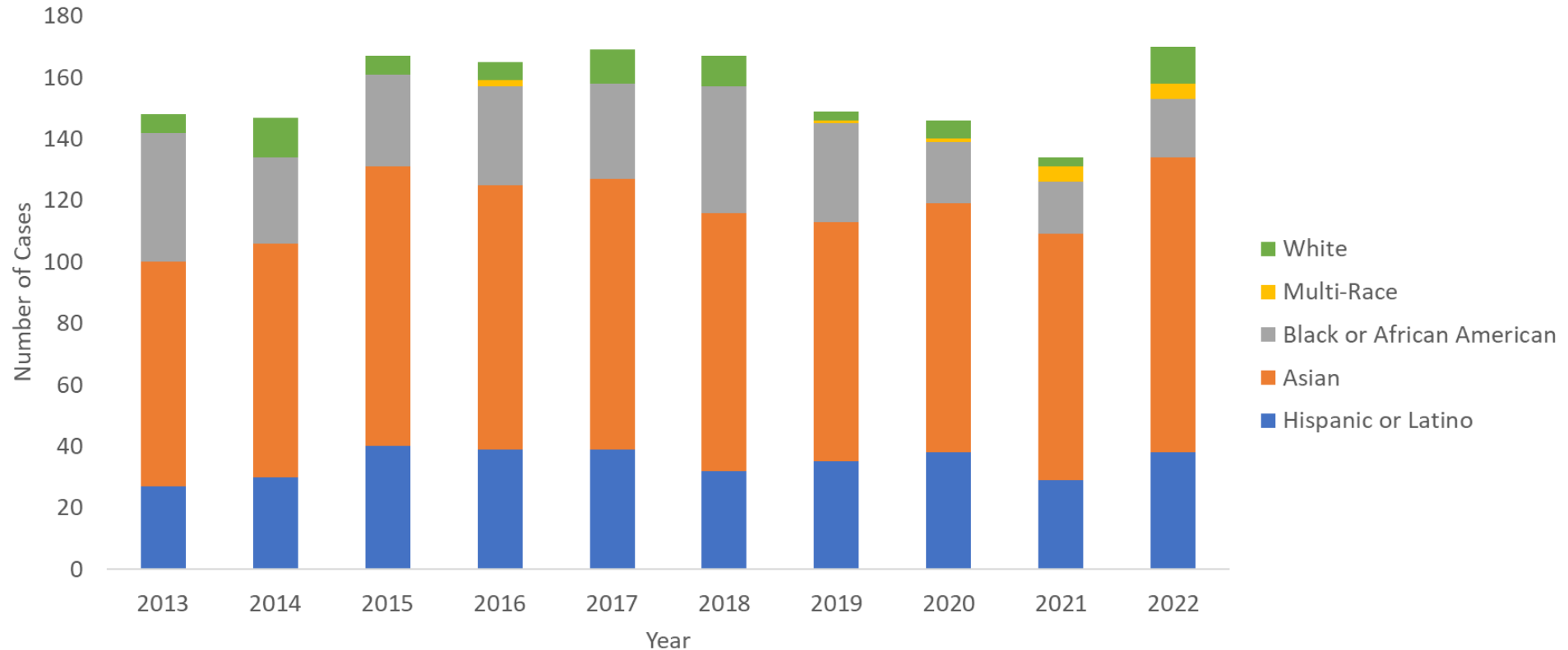
# Percent of Total Tuberculosis Cases by Nativity, Virginia, 2013-2022



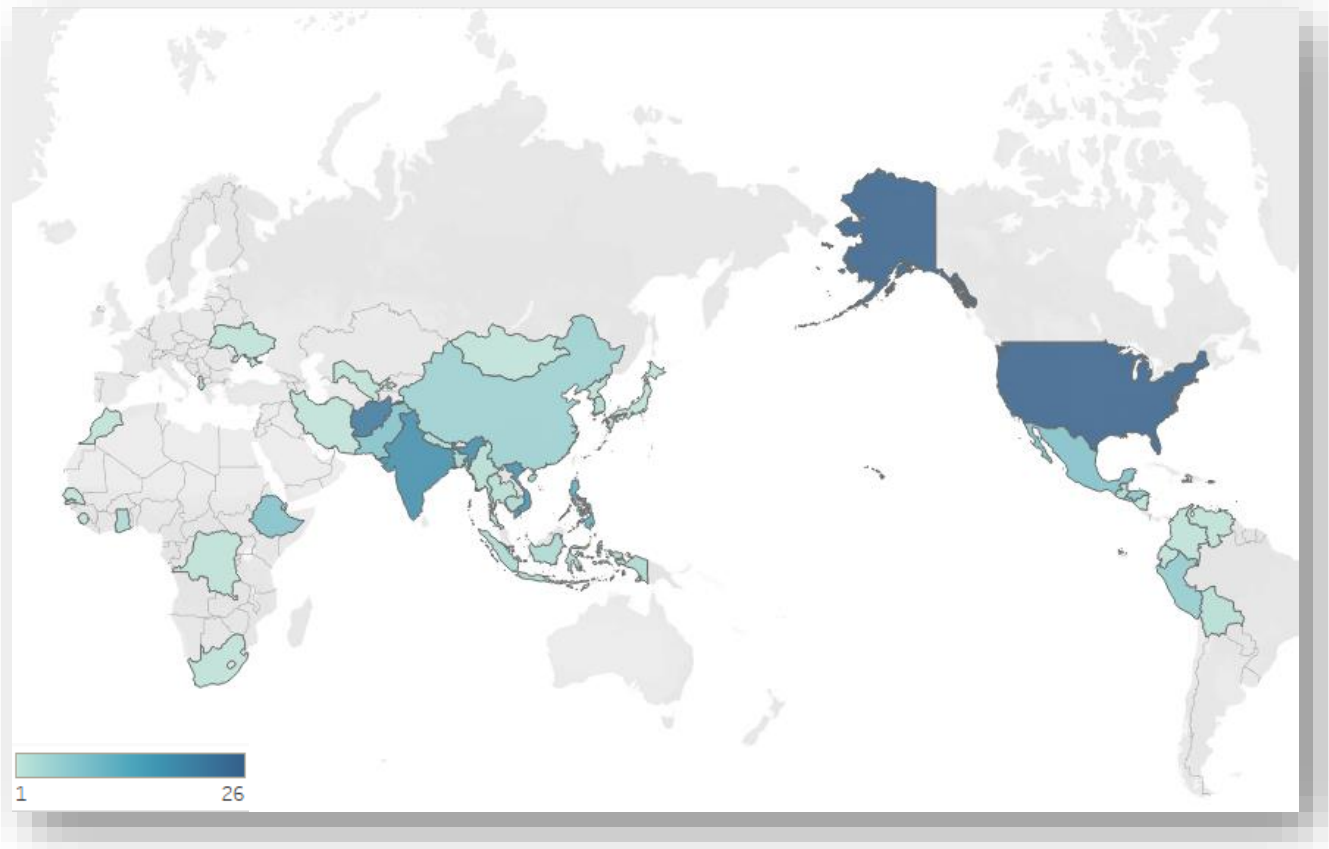
# Race and Ethnicity of U.S.-Born Tuberculosis Cases, Virginia 2013-2022



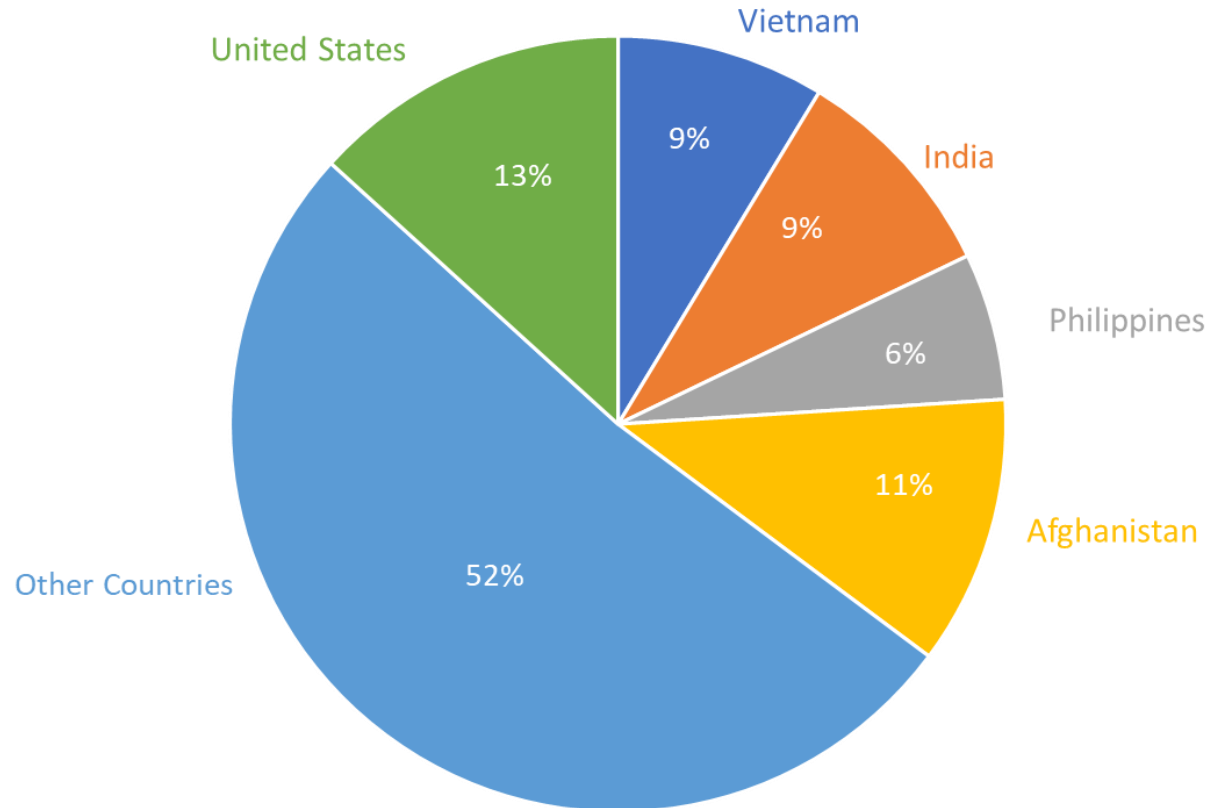
# Race and Ethnicity of Non-U.S.-Born Tuberculosis Cases, Virginia 2013-2022



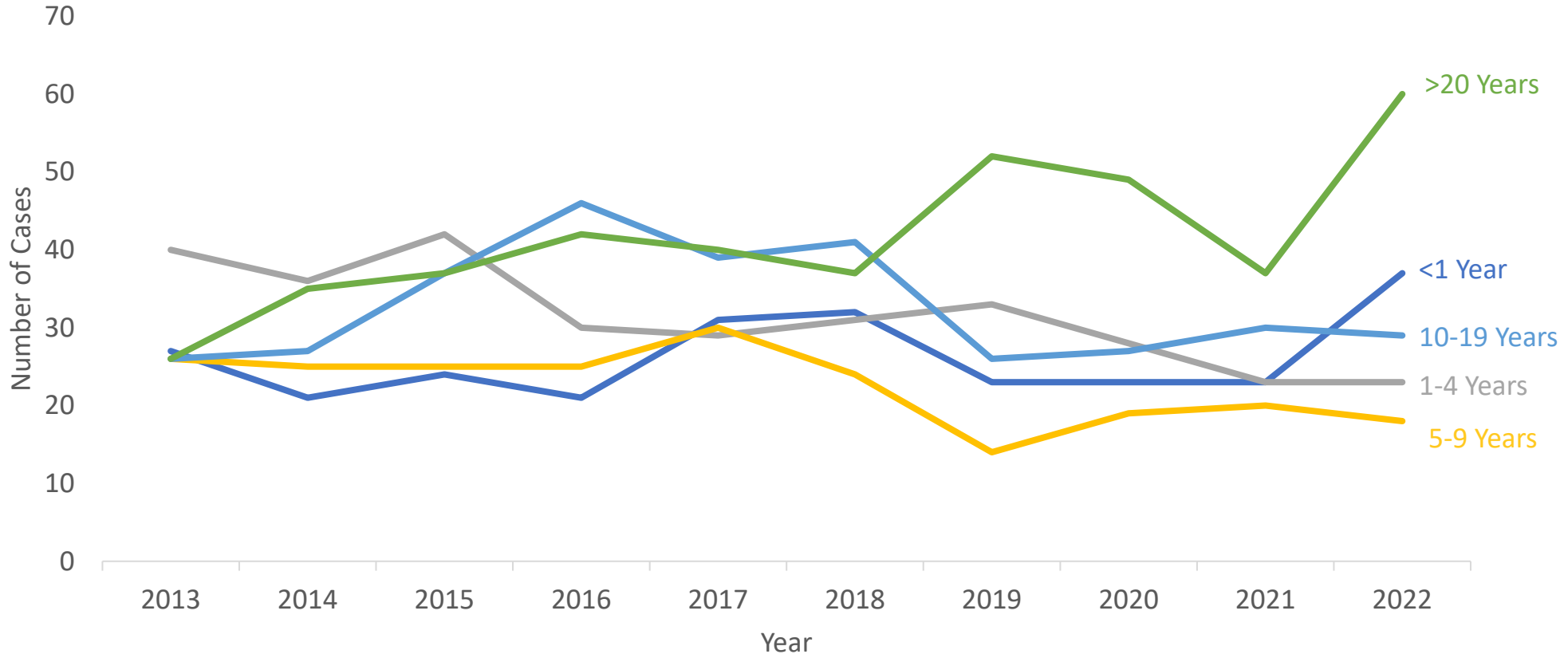
# Tuberculosis Cases by Country of Birth, Virginia, 2022



# Top Countries of Birth, Tuberculosis Cases, Virginia, 2022

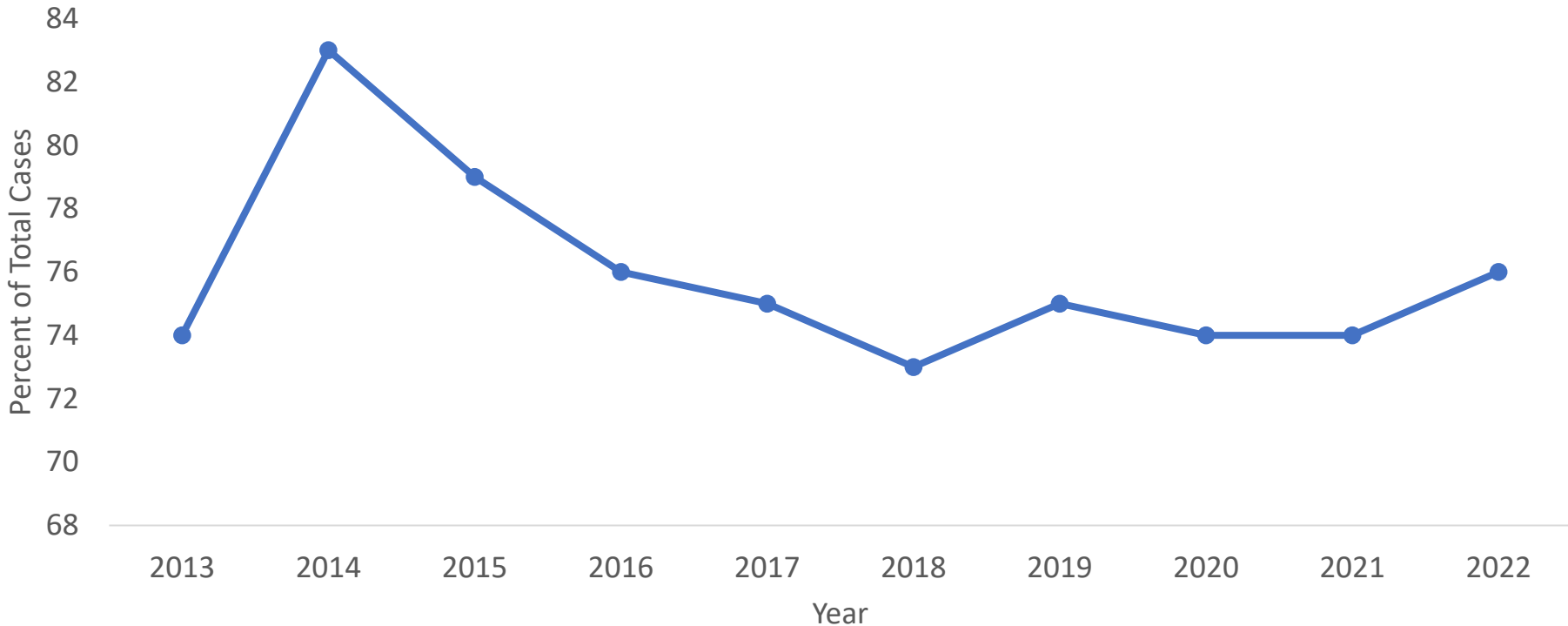


# Time in the United States at Tuberculosis Diagnosis, Virginia, 2013-2022

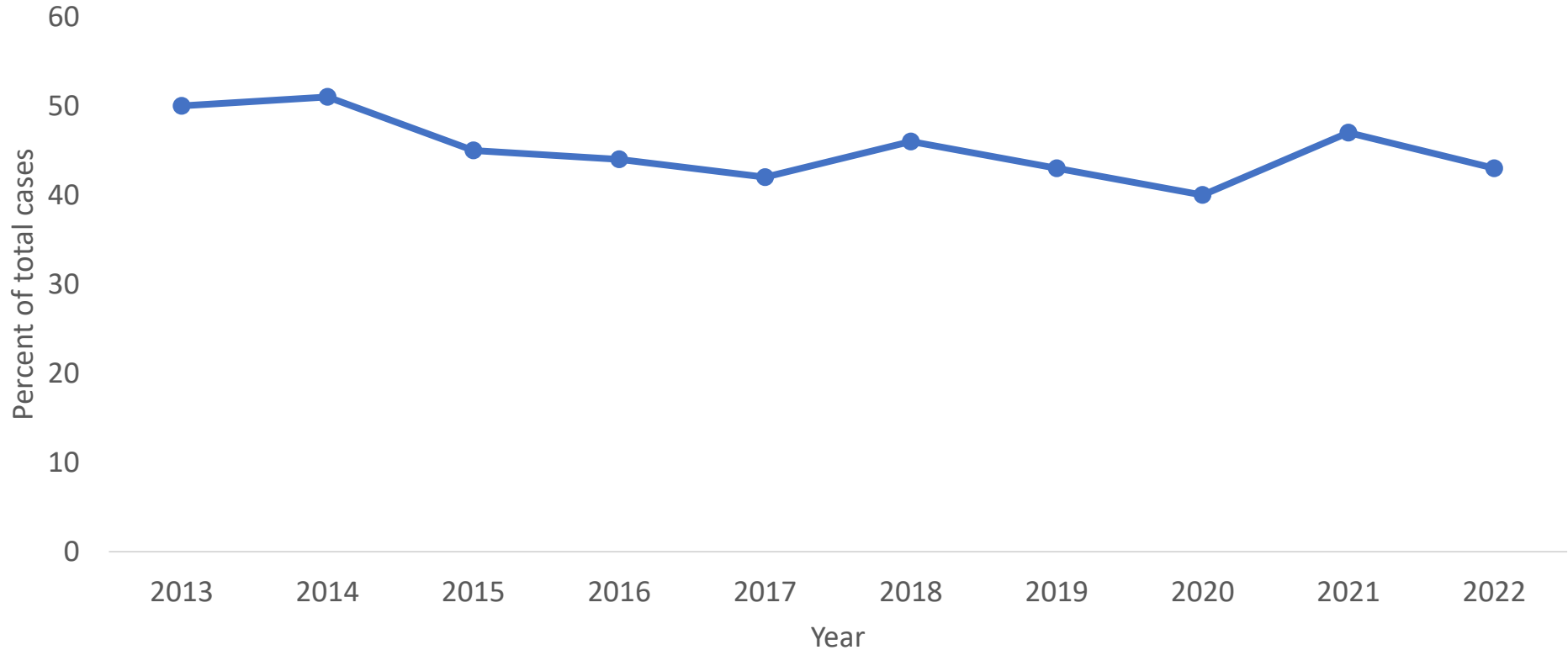




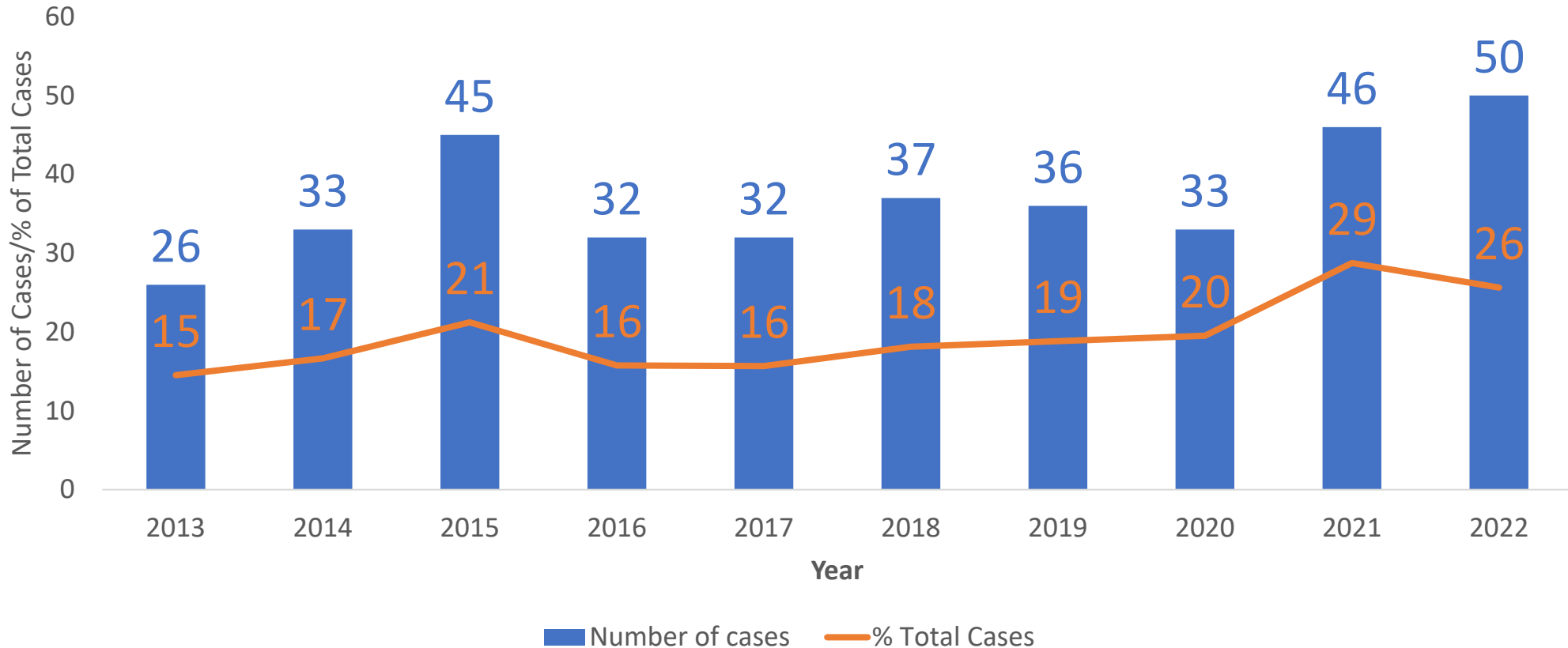
# Pulmonary Site of Disease, Virginia, 2013-2022



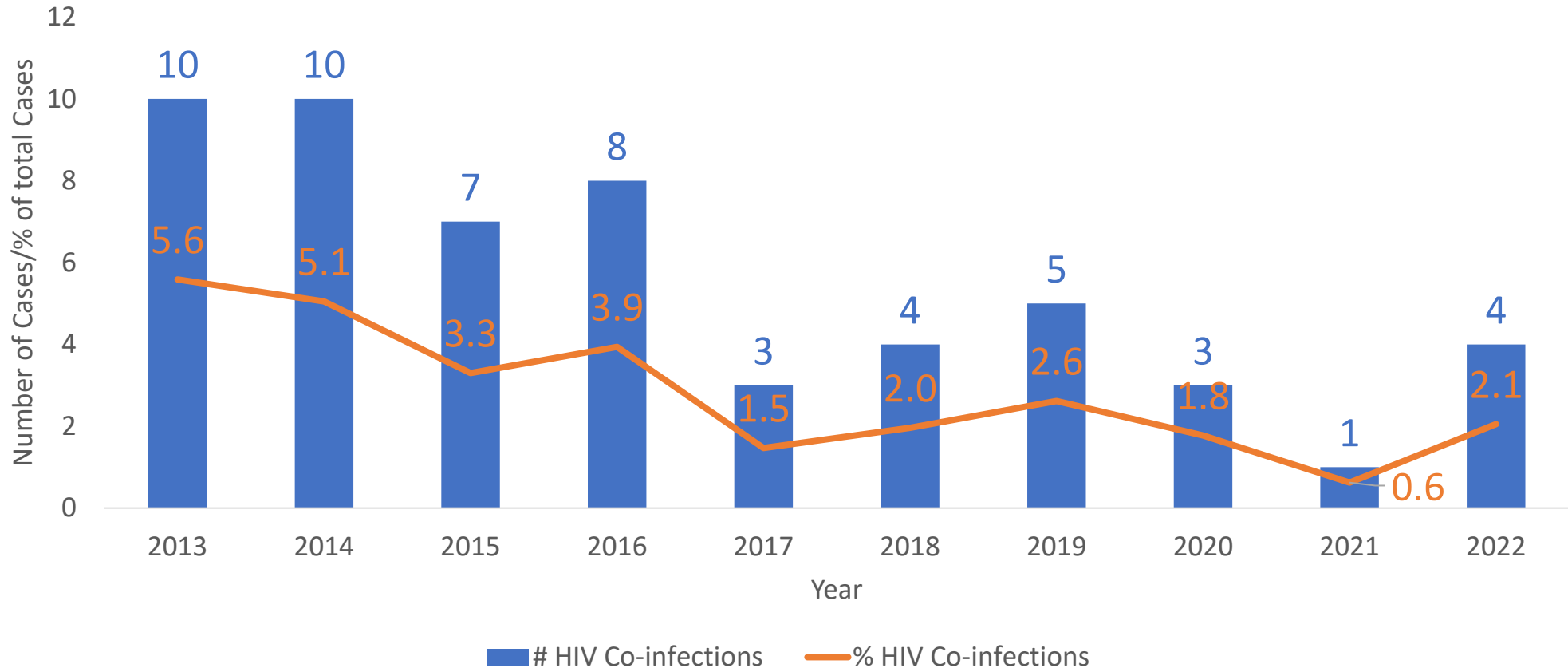
# Advanced Pulmonary Disease, Virginia, 2013-2022



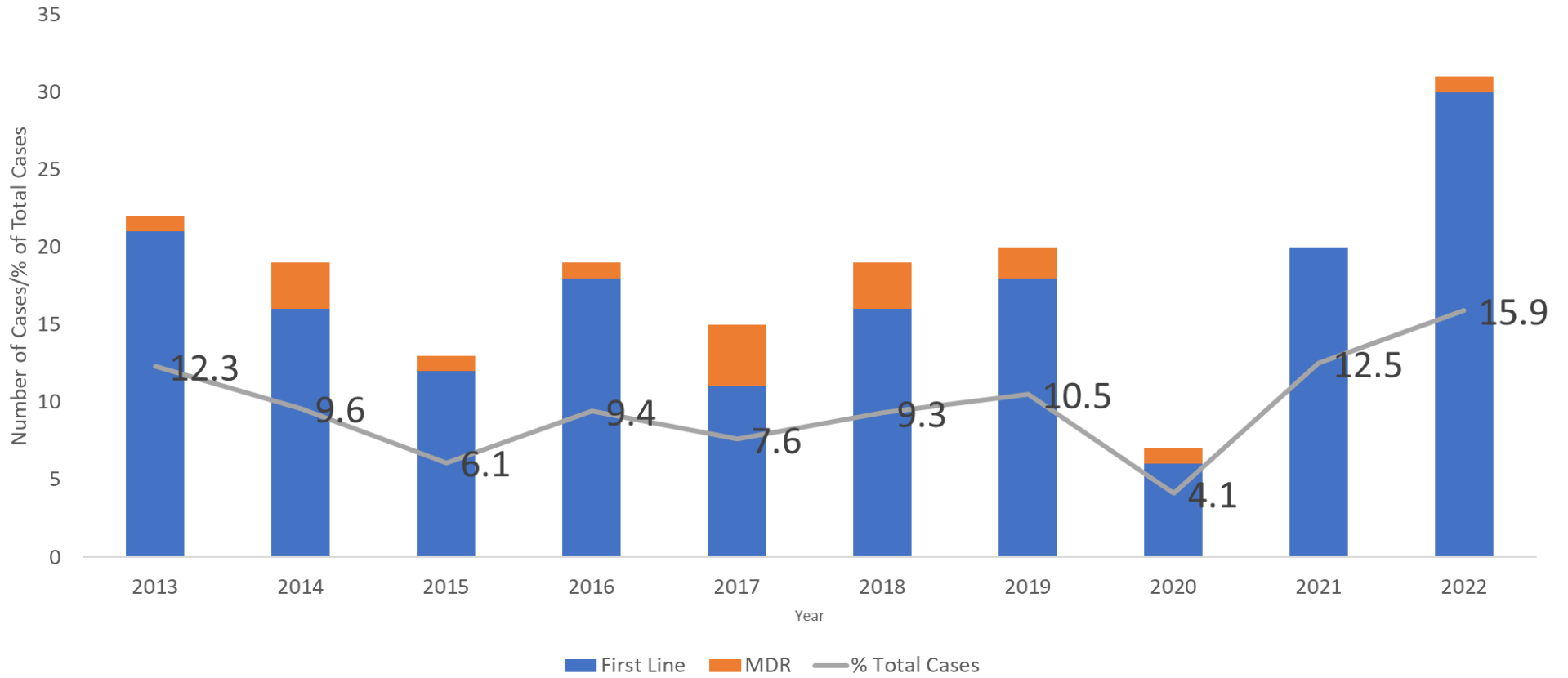
# Number and Percent of Tuberculosis Cases with Diabetes, Virginia, 2013-2022



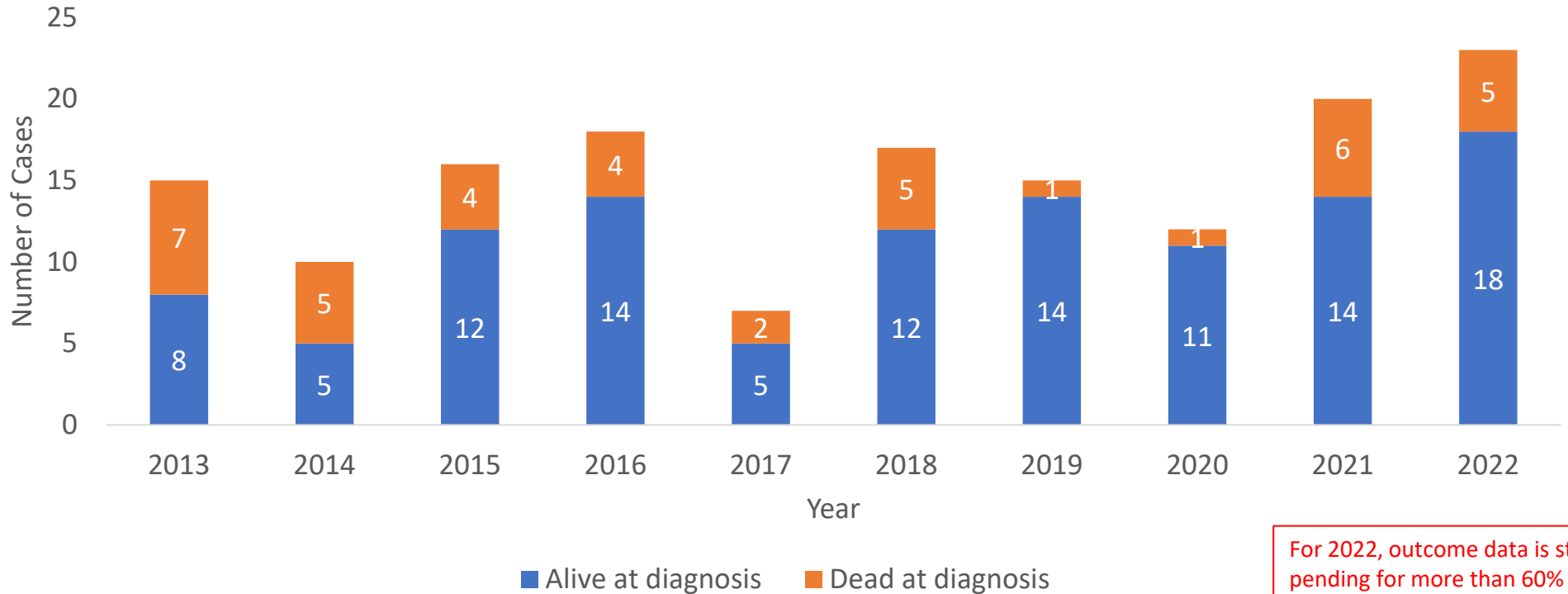
# Tuberculosis Cases with HIV Co-infection, Virginia 2013-2022



# Drug Resistance Among Tuberculosis Cases, Virginia, 2013-2022

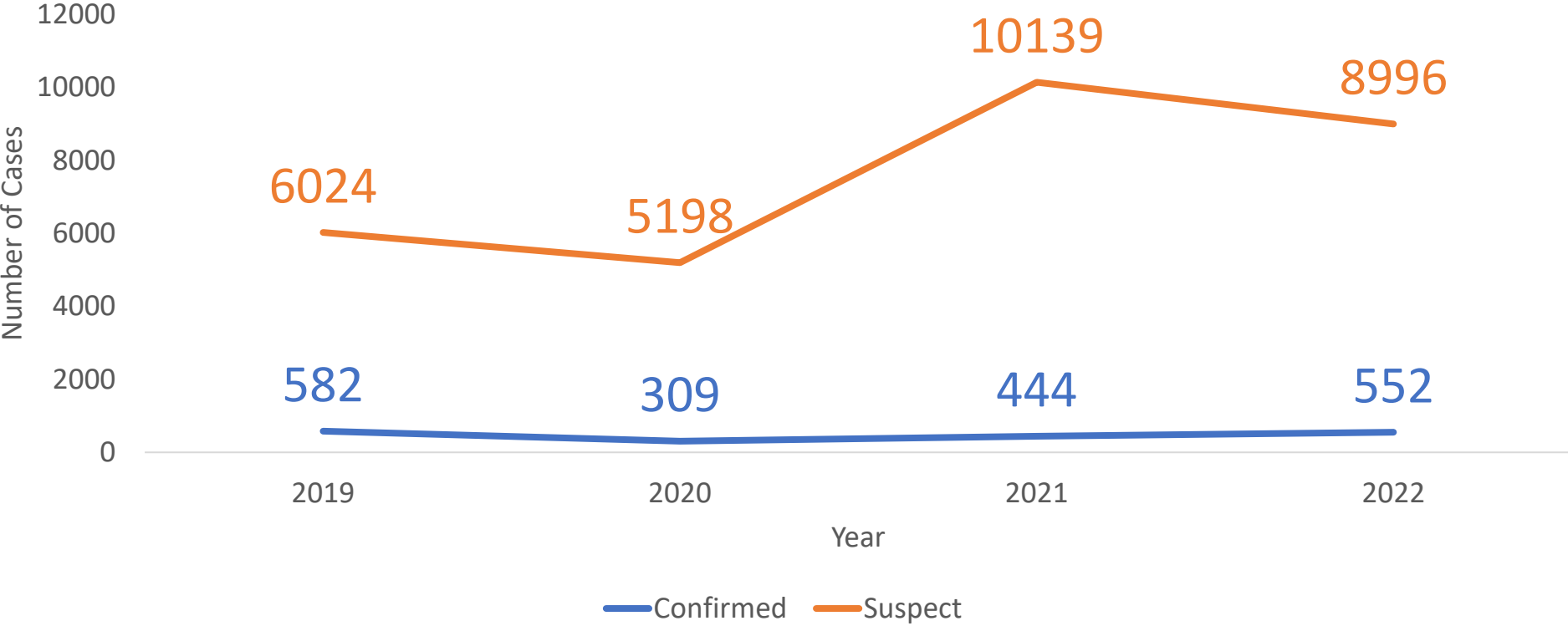


# Tuberculosis and Mortality, Virginia, 2013-2022

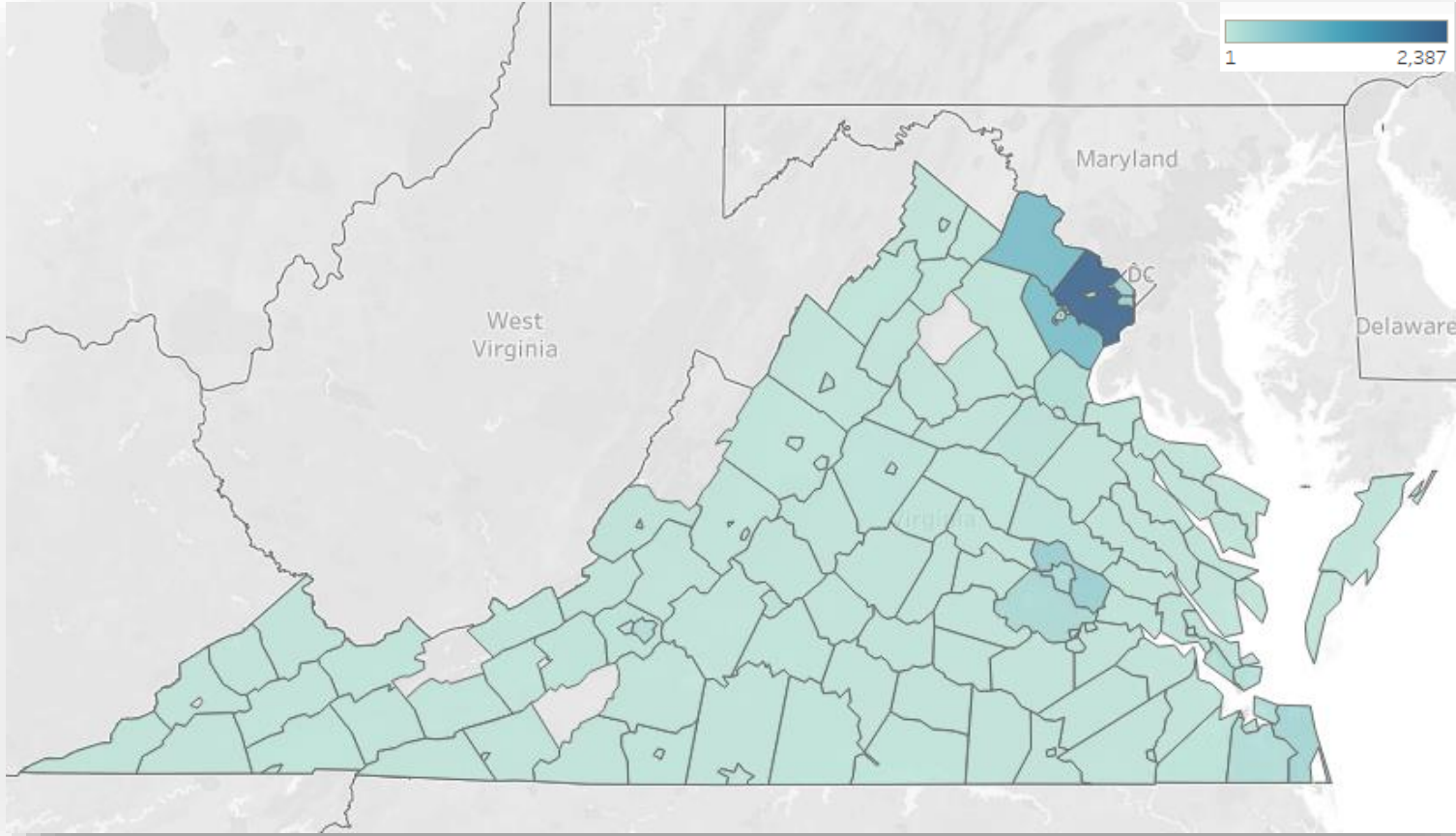


For 2022, outcome data is still pending for more than 60% of cases.

# LTBI Reports by Case Status, Virginia, 2019-2022

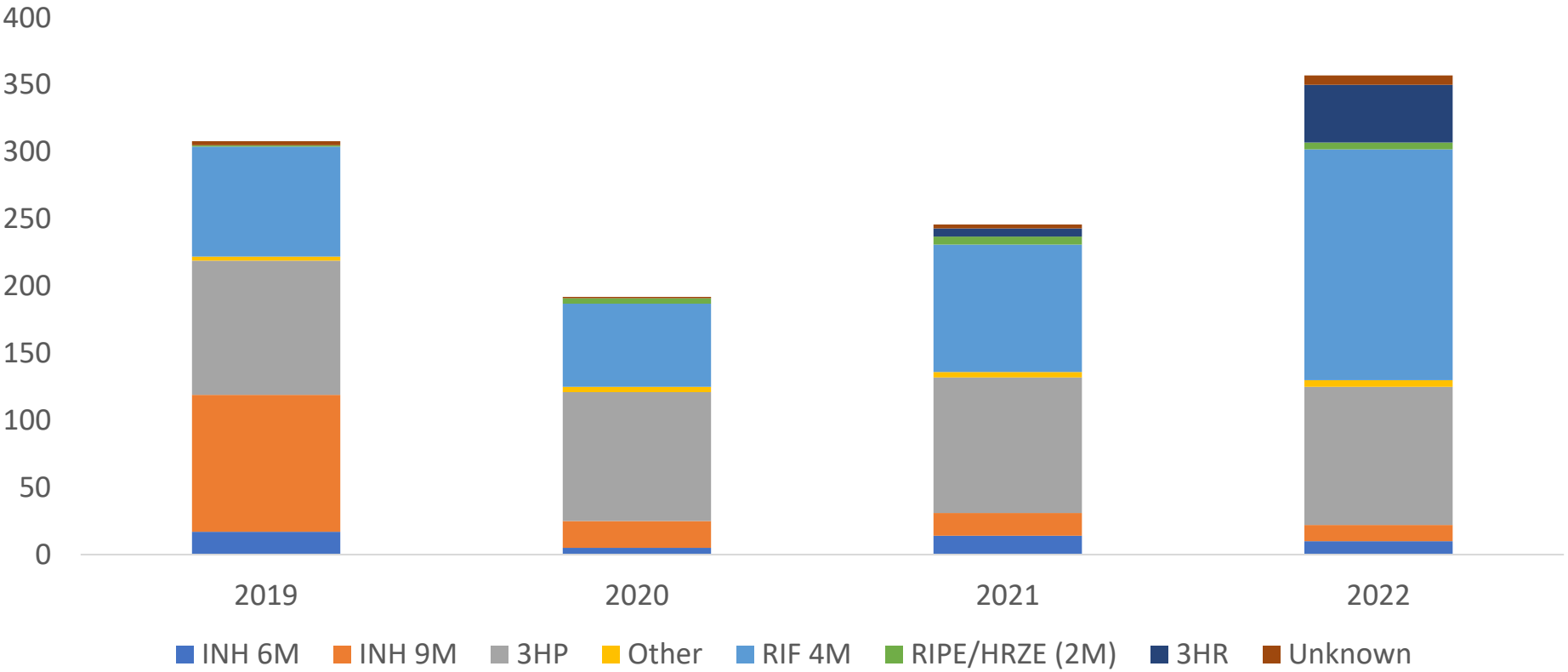


# LTBI Reports, Virginia, 2022

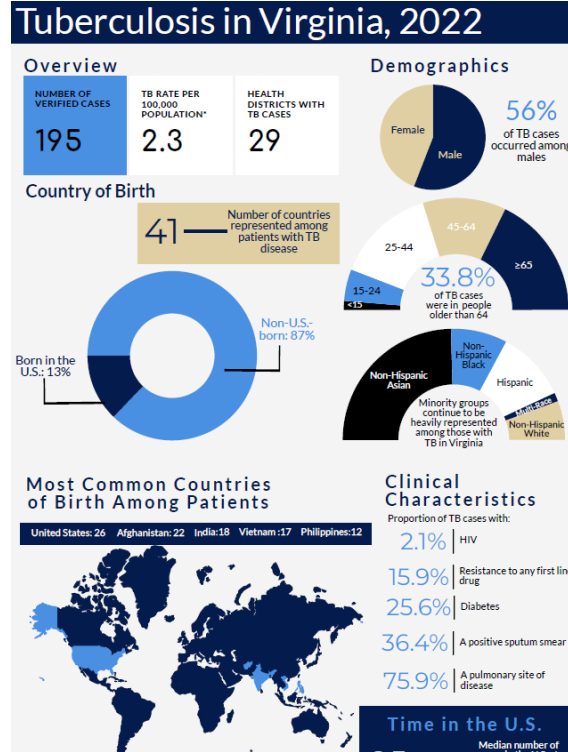




# LTBI Treatment Regimens, Virginia, 2019-2022



# Data Resources



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

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

# Questions?

- Please put any question in the chat
- For more specific questions or data requests, please email [tuberculosis@vdh.virginia.gov](mailto:tuberculosis@vdh.virginia.gov)



# Guest Speaker on TB and Mental Health: Dr. Annika Sweetland

