



Indiana
Department
of
Health

EPIDEMIOLOGY OF TUBERCULOSIS IN INDIANA- 2023

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03/20/24

OUR MISSION:

**To promote, protect, and improve
the health and safety of all Hoosiers.**

OUR VISION:

**Every Hoosier reaches optimal health
regardless of where they live, learn,
work, or play.**



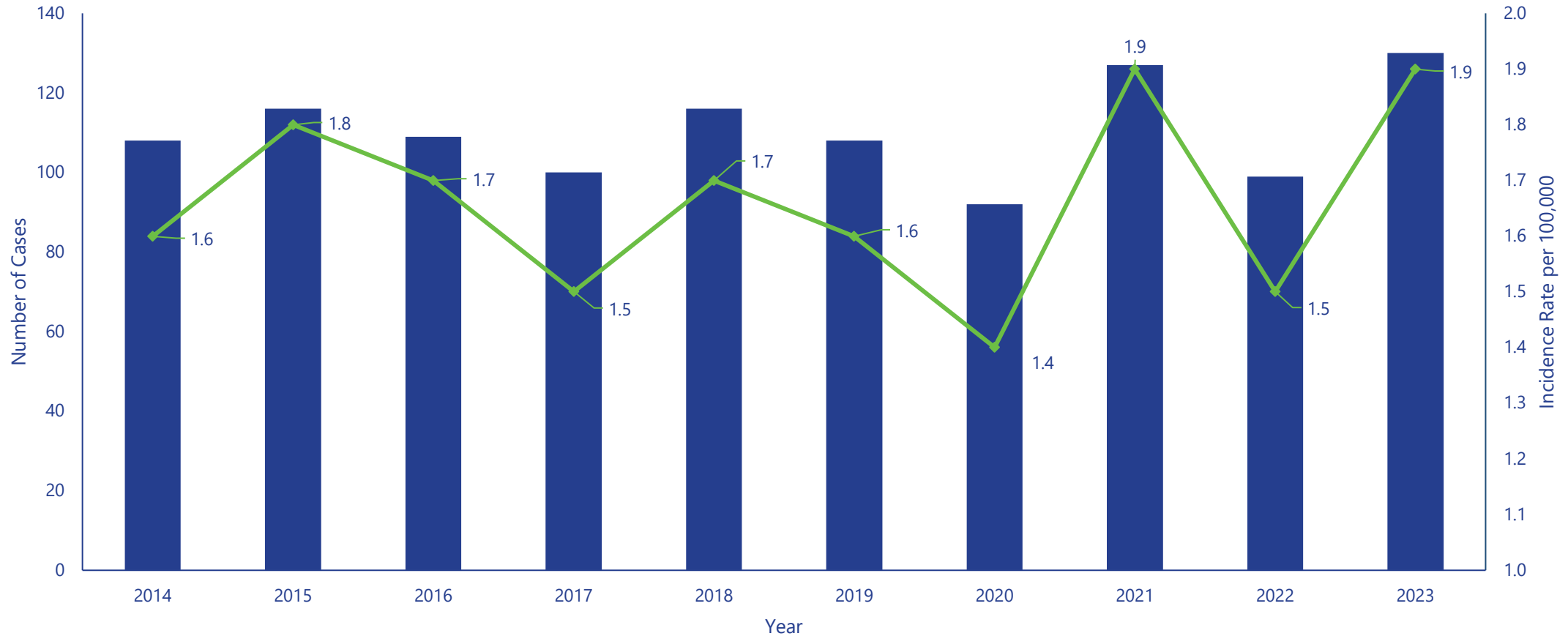
Overview

- I. Cases & Deaths
- II. Demographics
- III. Risk Factors
- IV. Treatment and Laboratory

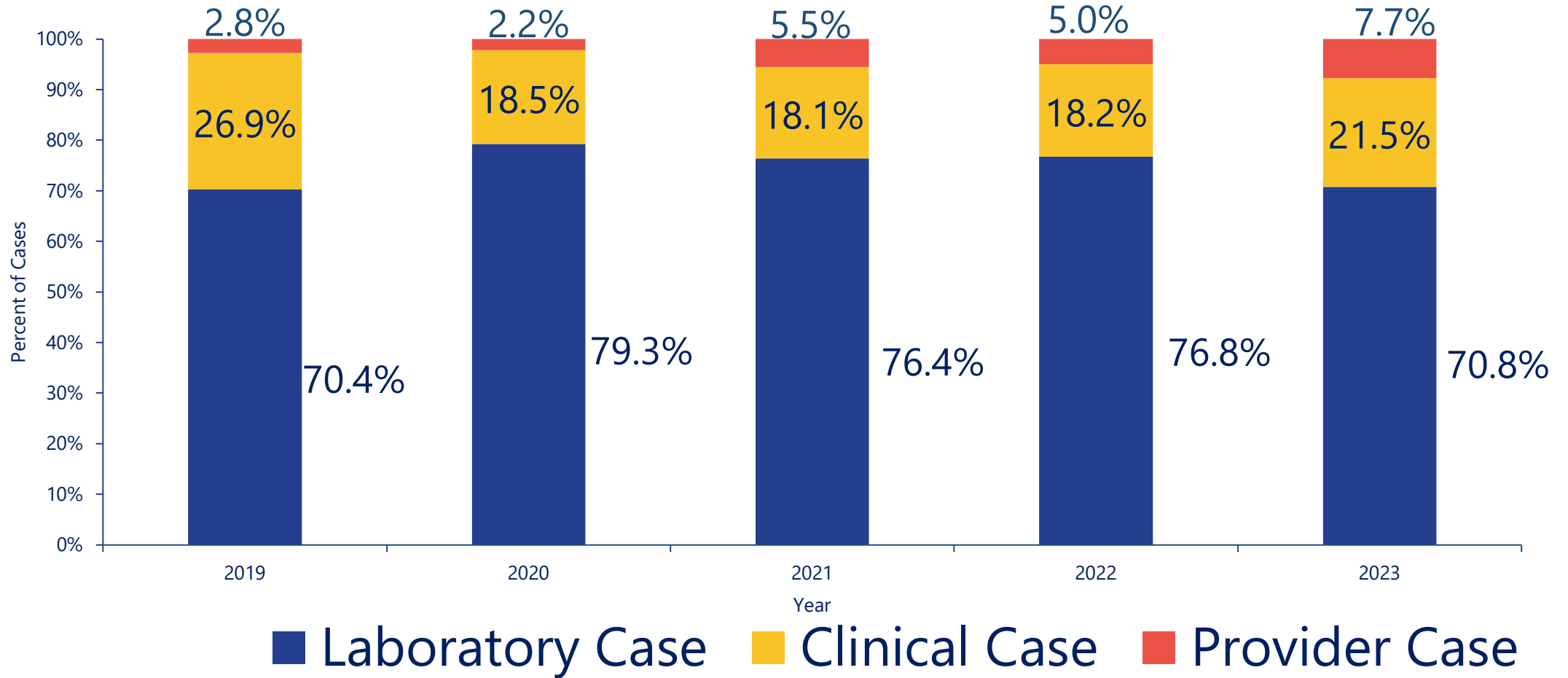


Cases and Deaths

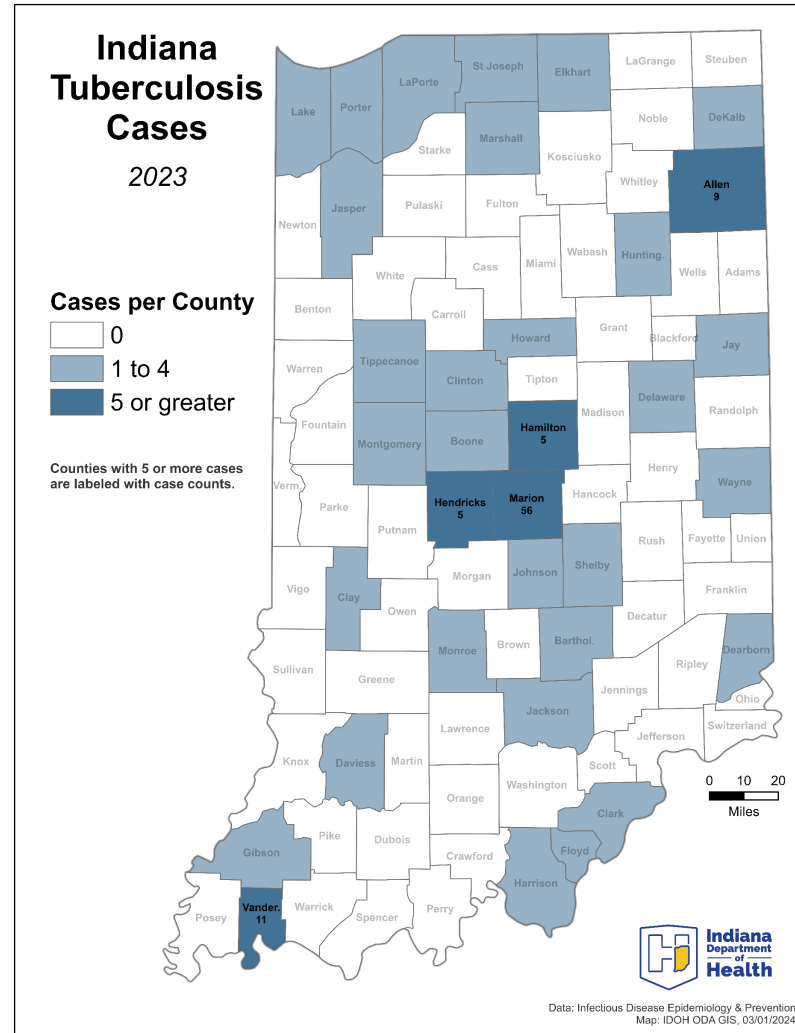
Indiana TB 10-Year Trend, 2014-2023



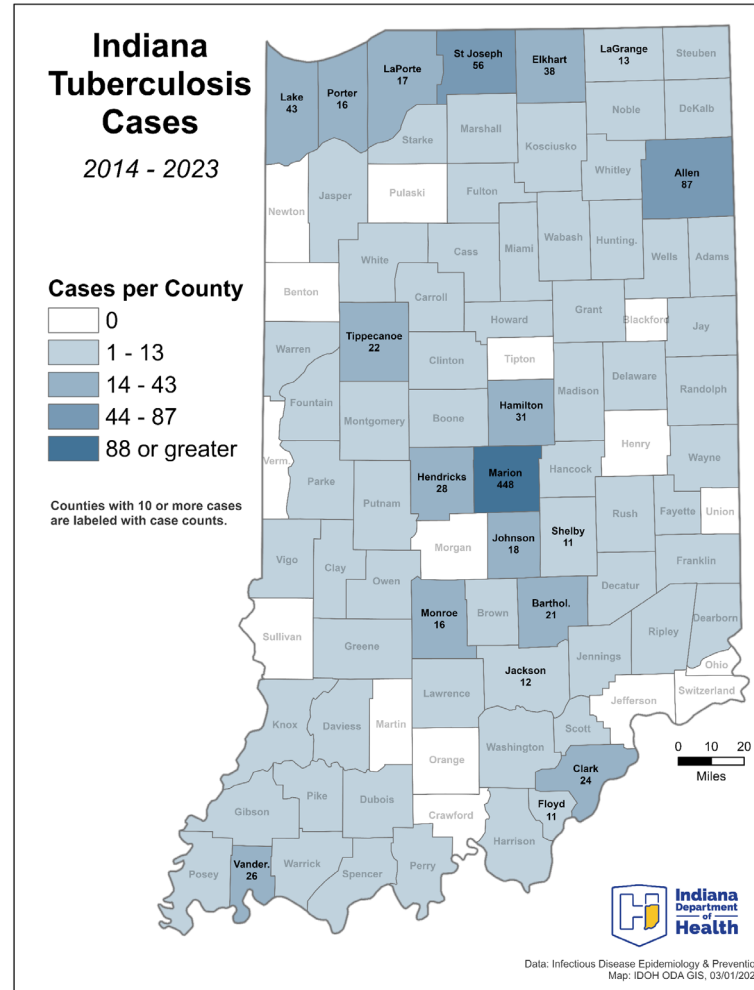
TB Case Definition



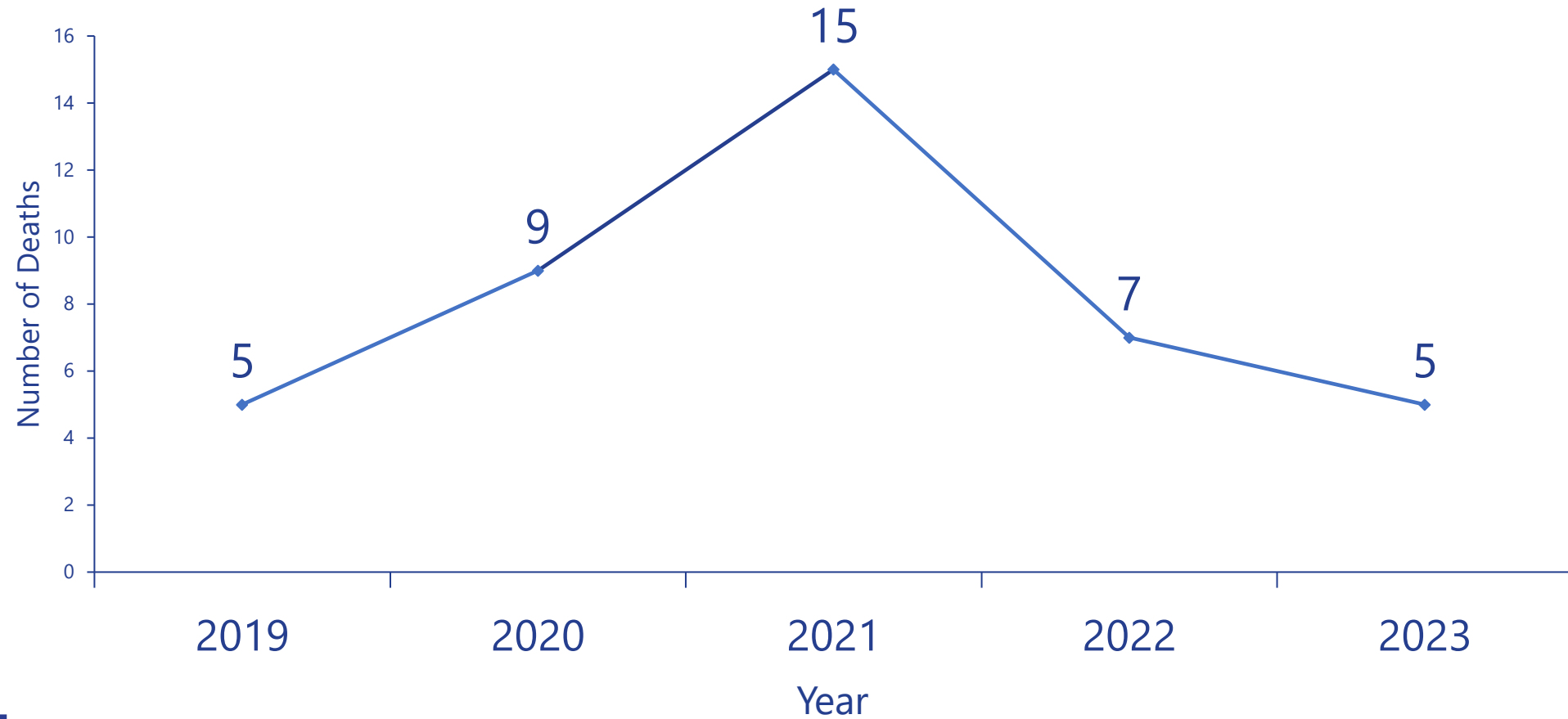
Indiana 2023 TB Cases



Indiana TB Cases: 2014 to 2023



Indiana TB Deaths: 2019-2023



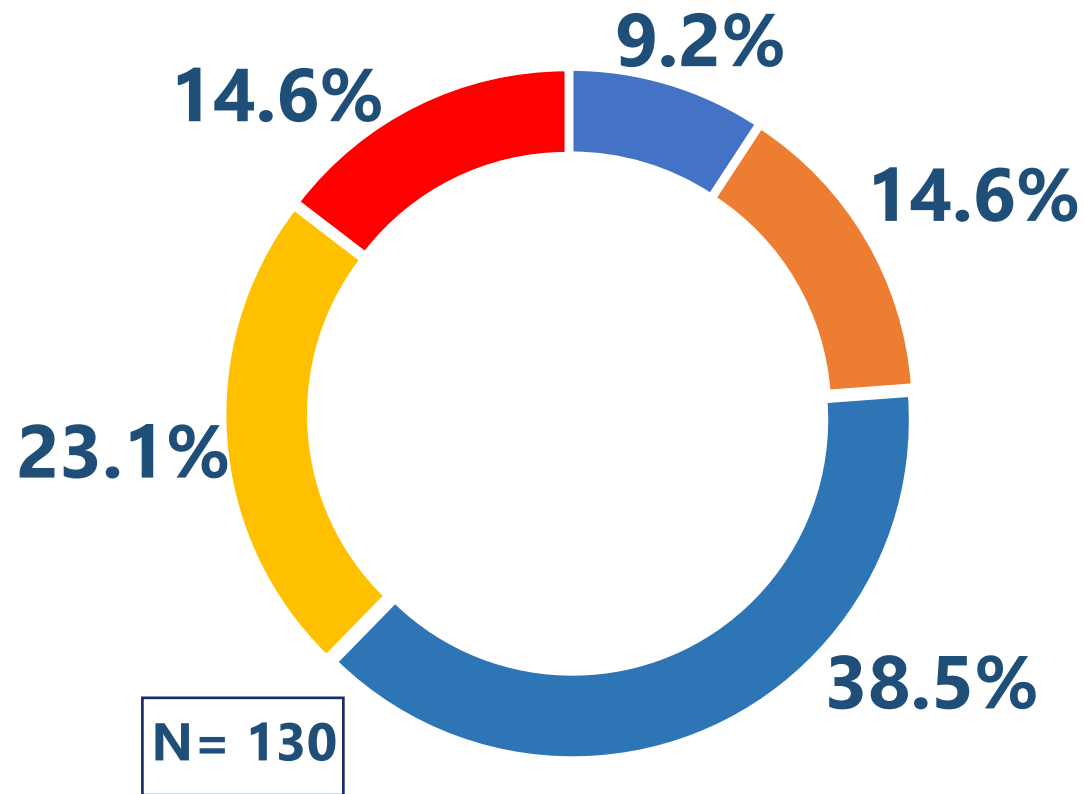


TB Demographics



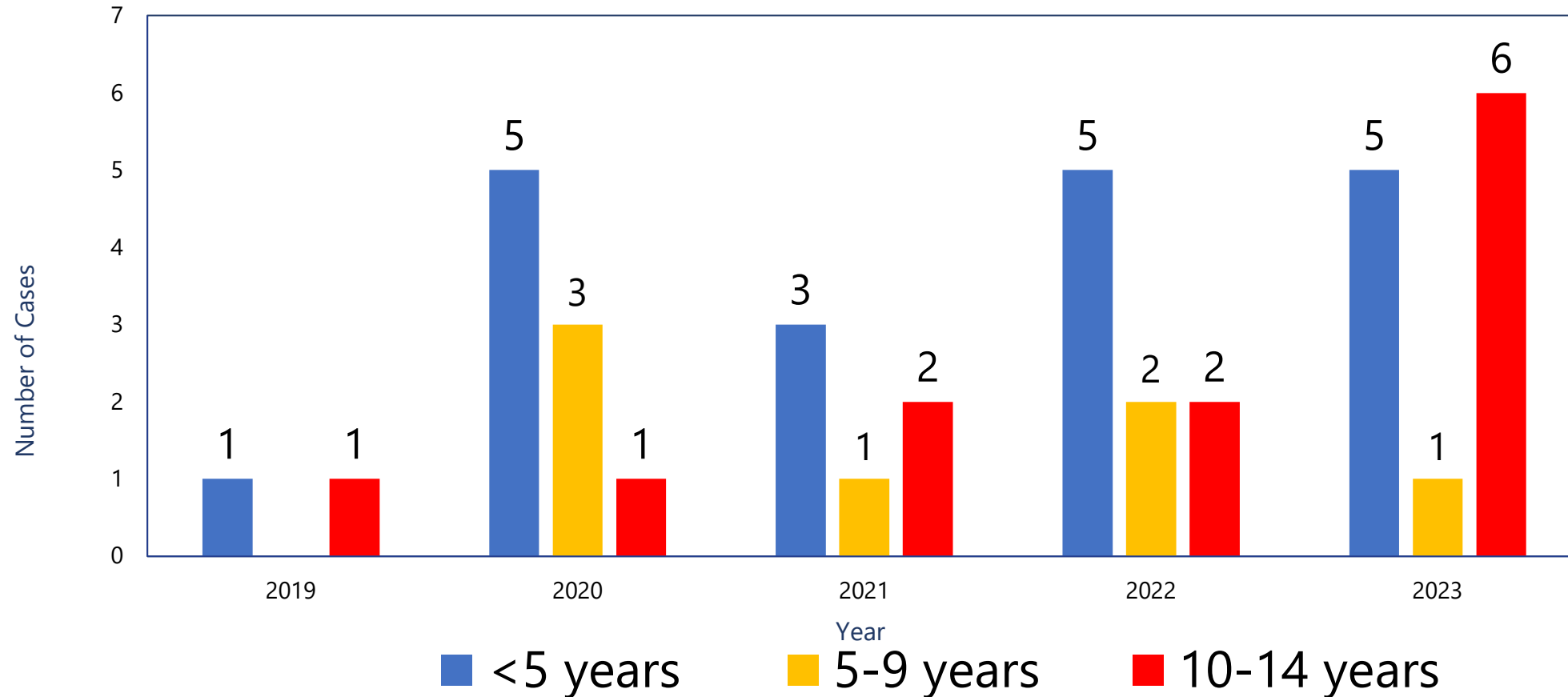
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Indiana TB Cases By Age Group, 2023

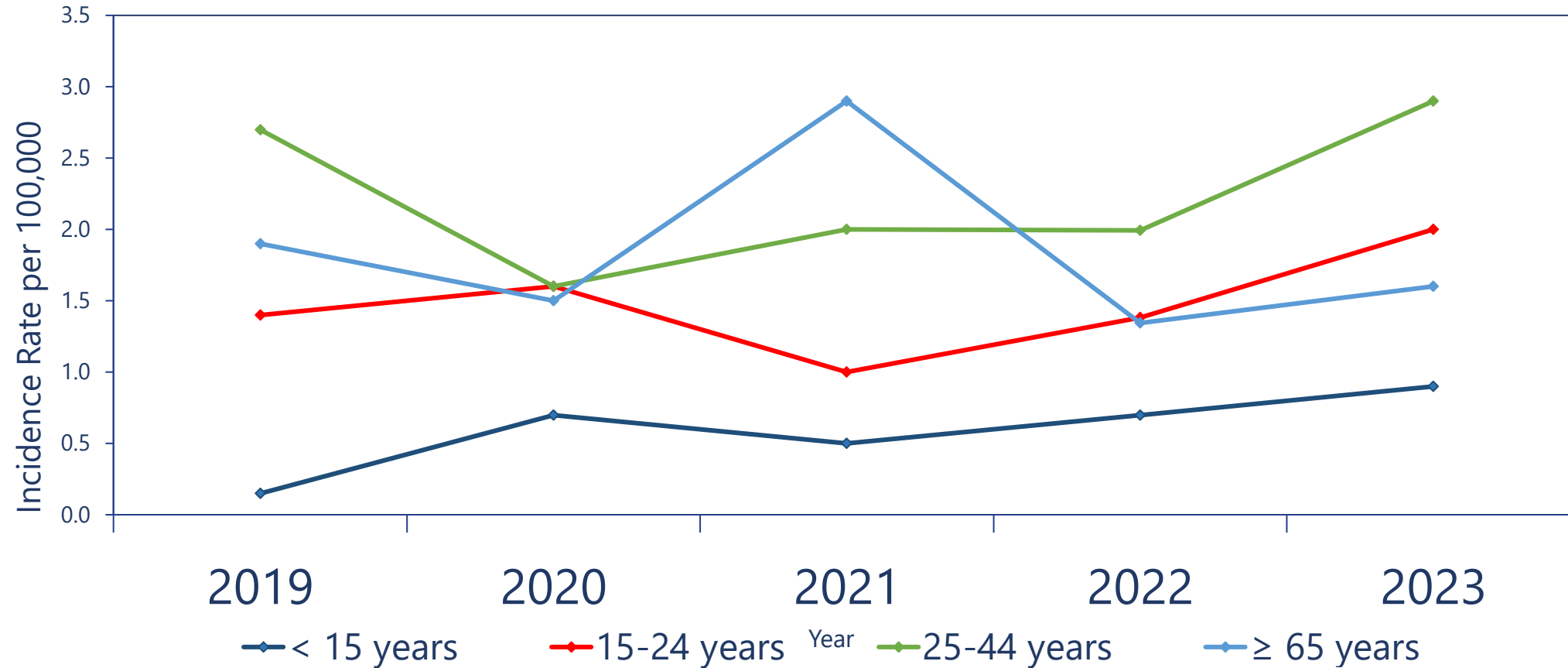


■ < 15 years ■ 15 to 24 years ■ 25 to 44 years ■ 45 to 64 years ■ ≥ 65 years

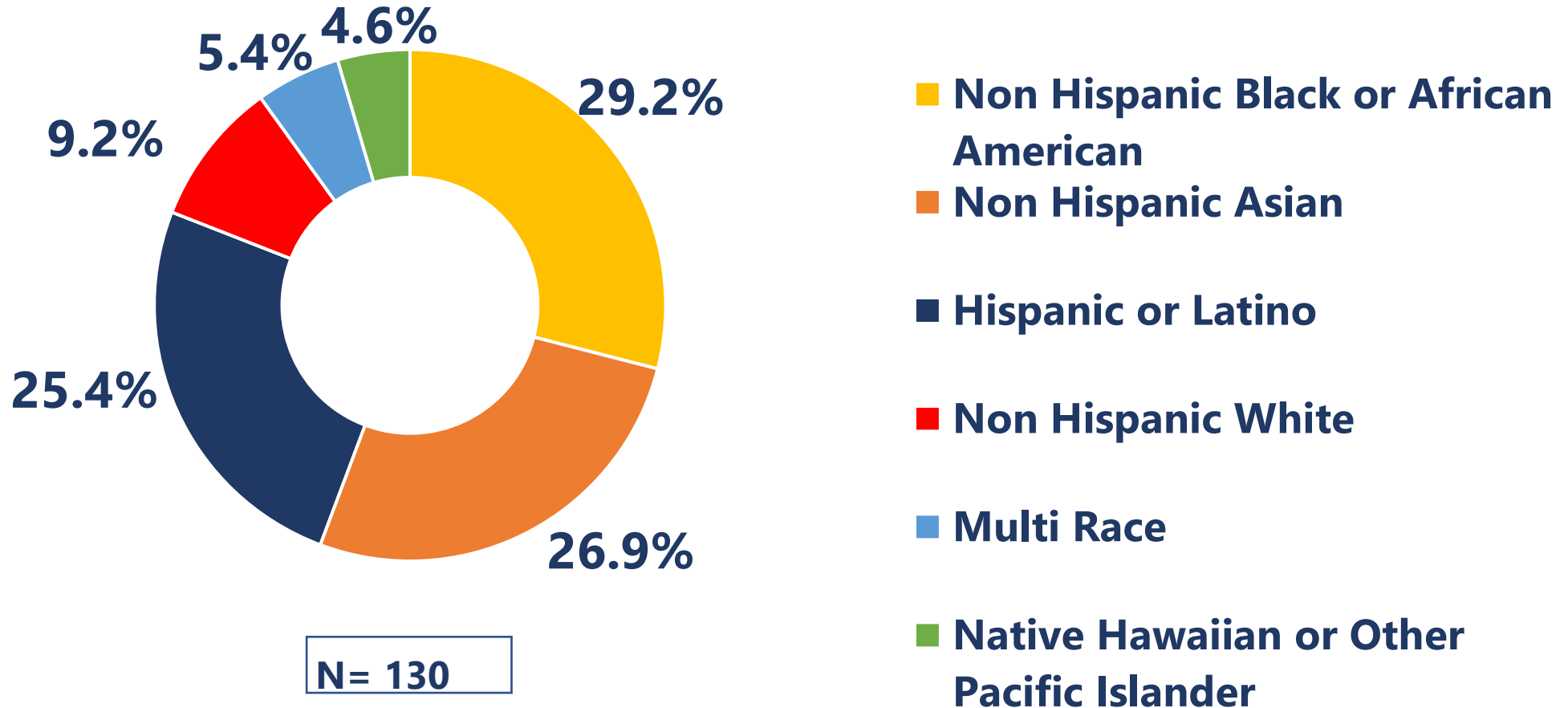
Indiana Pediatric TB Cases, 2023



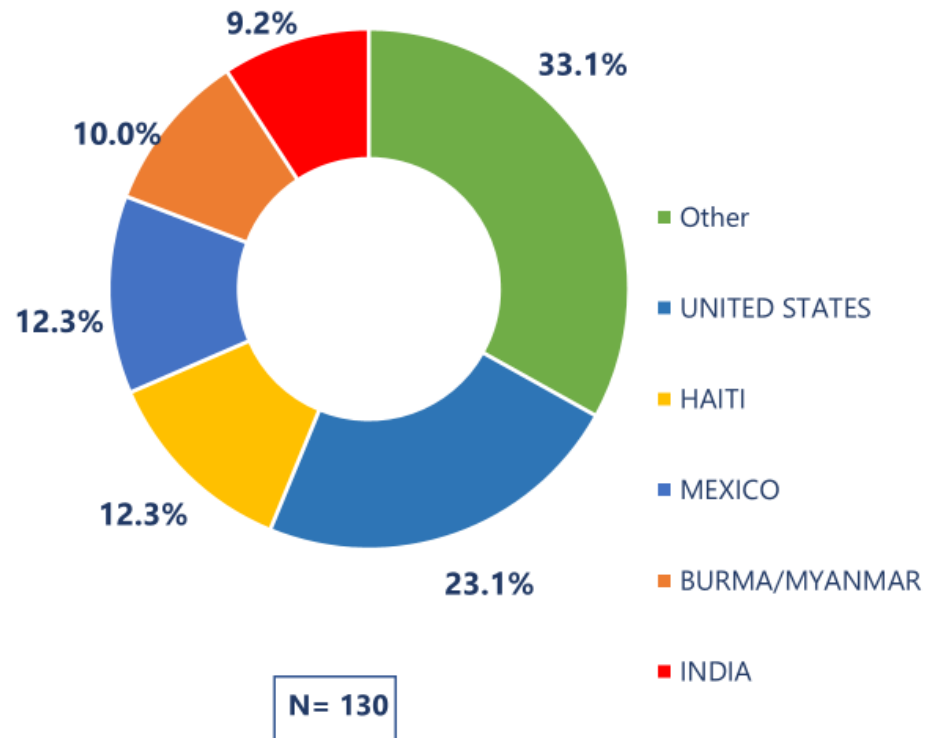
TB Incidence Rate by Age Group, 2019-2023



TB Cases by Hispanic Ethnicity and Non-Hispanic Race, Indiana, 2023



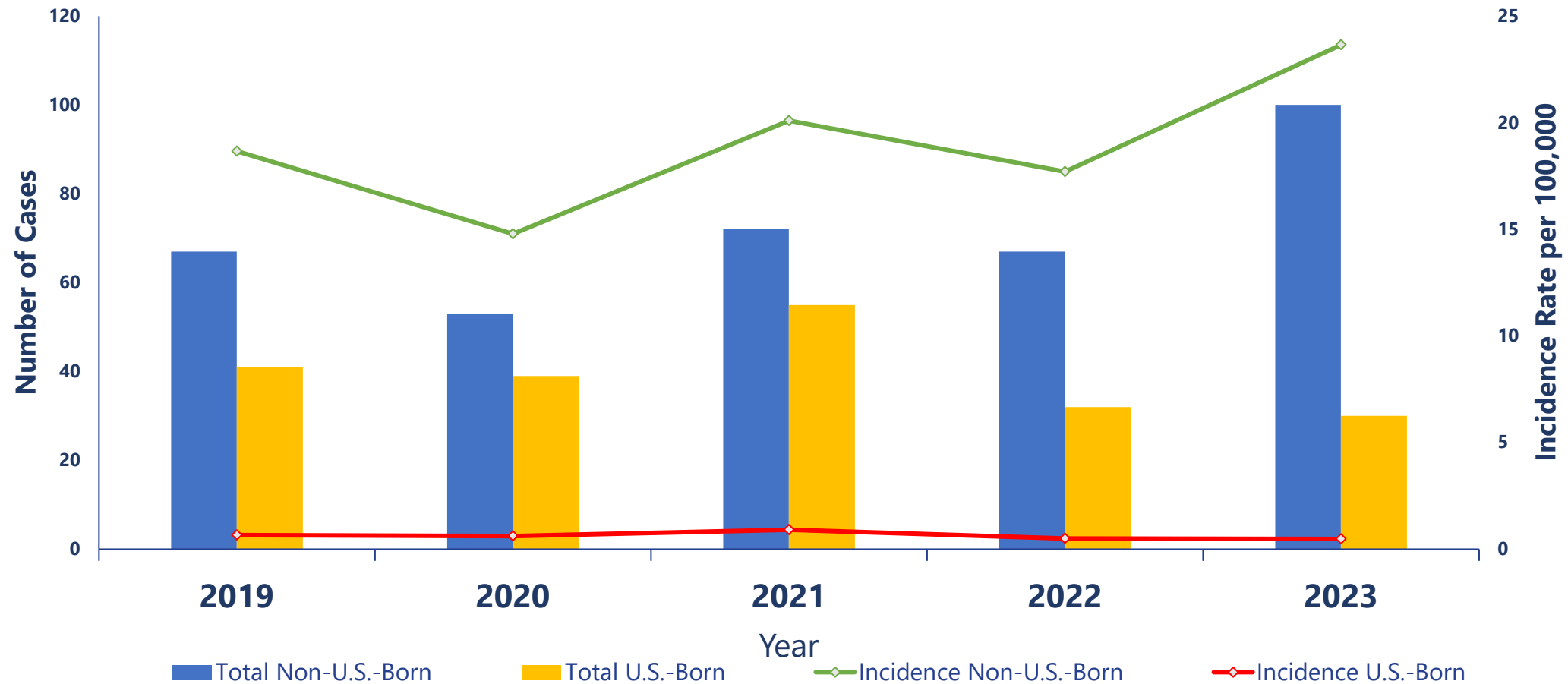
TB Cases by Country of Birth, Indiana, 2023



Other

- Guatemala
- Nicaragua
- Philippines
- Eritrea
- Marshall Islands,
- Pakistan
- Senegal
- Sudan
- Venezuela

TB Case Counts and Rates by Country of Birth, Indiana, 2019-2023



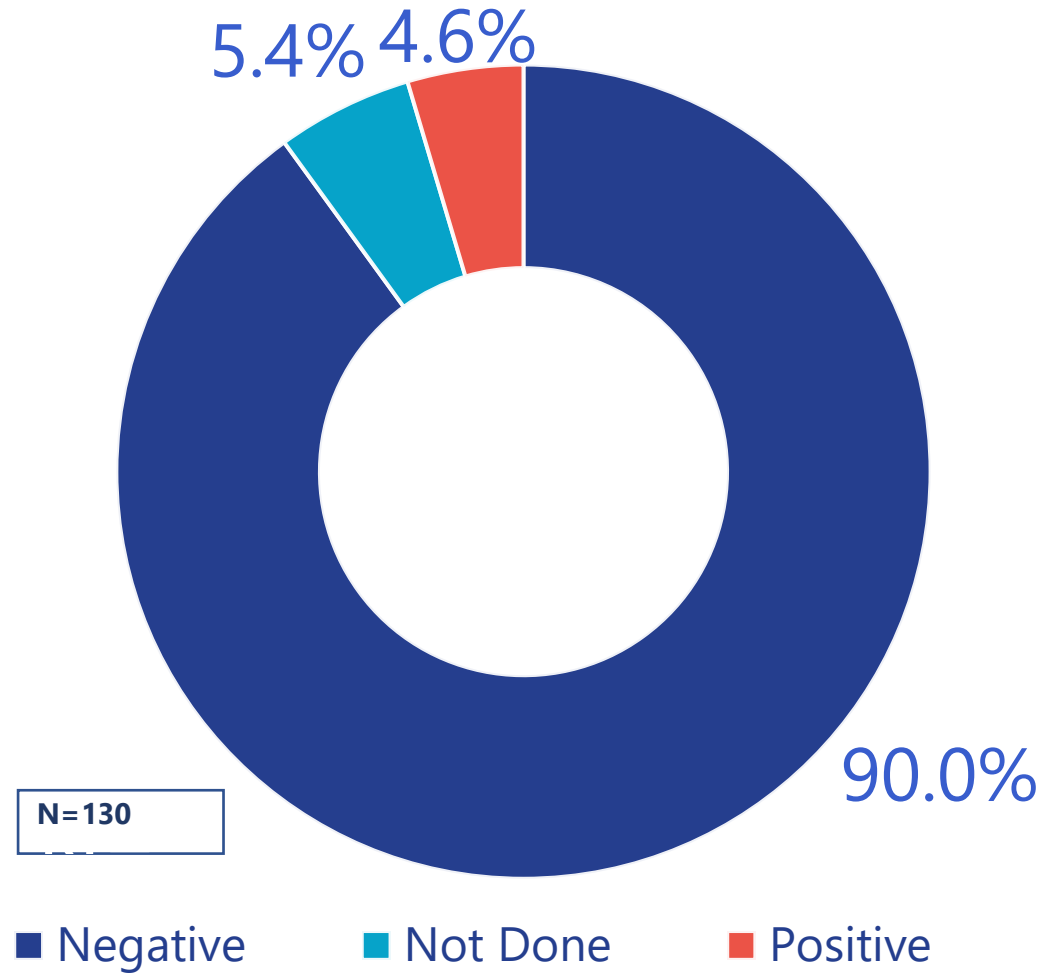


Risk Factors



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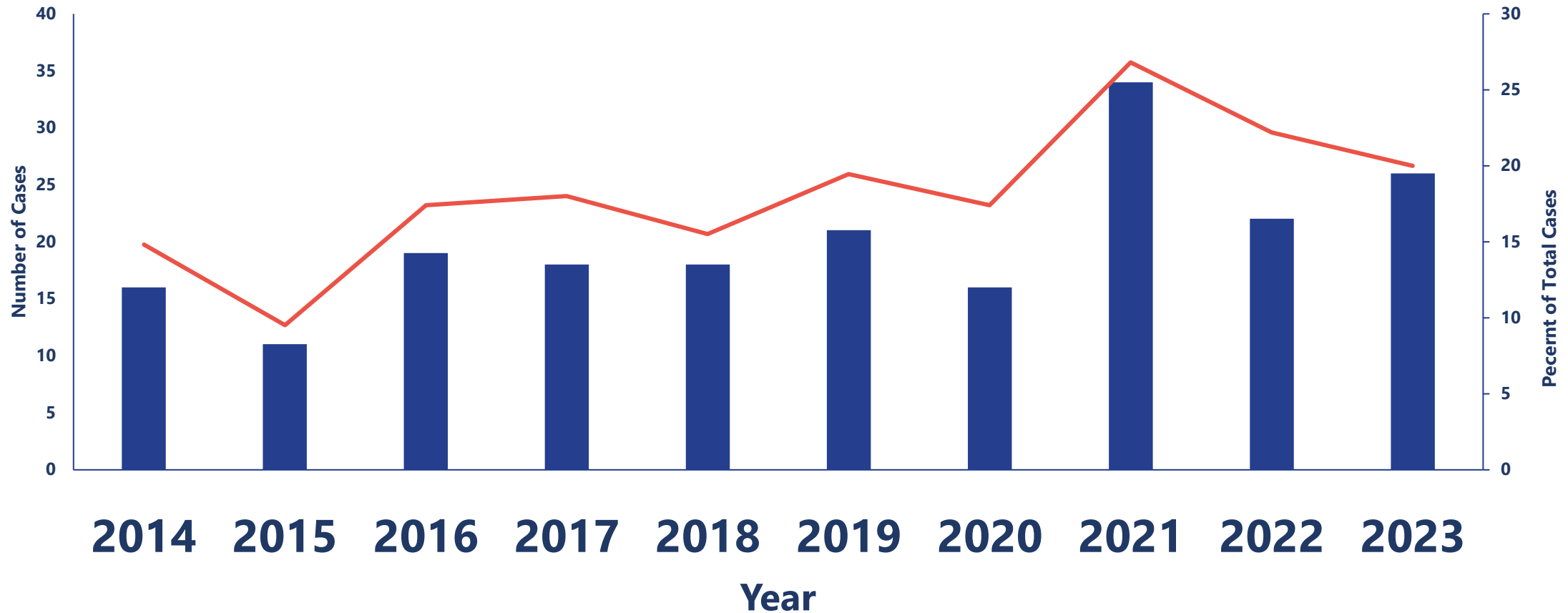
TB by HIV Status, Indiana, 2023



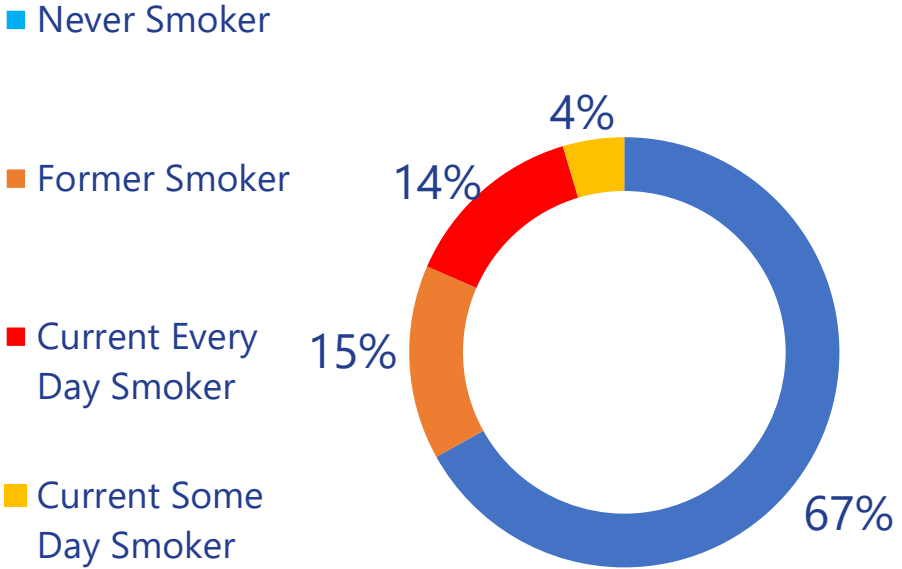
Most Commonly-Reported Risk Factors Among TB Cases, Indiana, 2023

Risk Factor	Percent of Cases
Diabetes Mellitus	20.0%
Co-infection or History of Covid-19	16.9%
Noninjecting Drug Use in the Past 12 Months	8.5%
Heavy Alcohol Use in the Past 12 Months	7.7%
Resident of Correctional Facility Ever/ Incarcerated ever	7.7%
Other Immunocompromise (other than HIV/ AIDS)	3.8%
Homeless Ever	3.1%
Viral Hepatitis (B or C Only)	3.1%
Homeless in the Past 12 Months	2.3%

TB Cases with Diabetes Mellitus, Indiana, 2014-2023



Smoking Status Among TB cases, Indiana, 2023



N= 130

2022 Behavioral Risk Factor Surveillance System Data

- Current Smoking rate (cigarettes only) for Indiana adults (18 and up): 16.2%
- Current E-cigarette use for Indiana adults (18 and up): 8.1%



Treatment and Laboratory

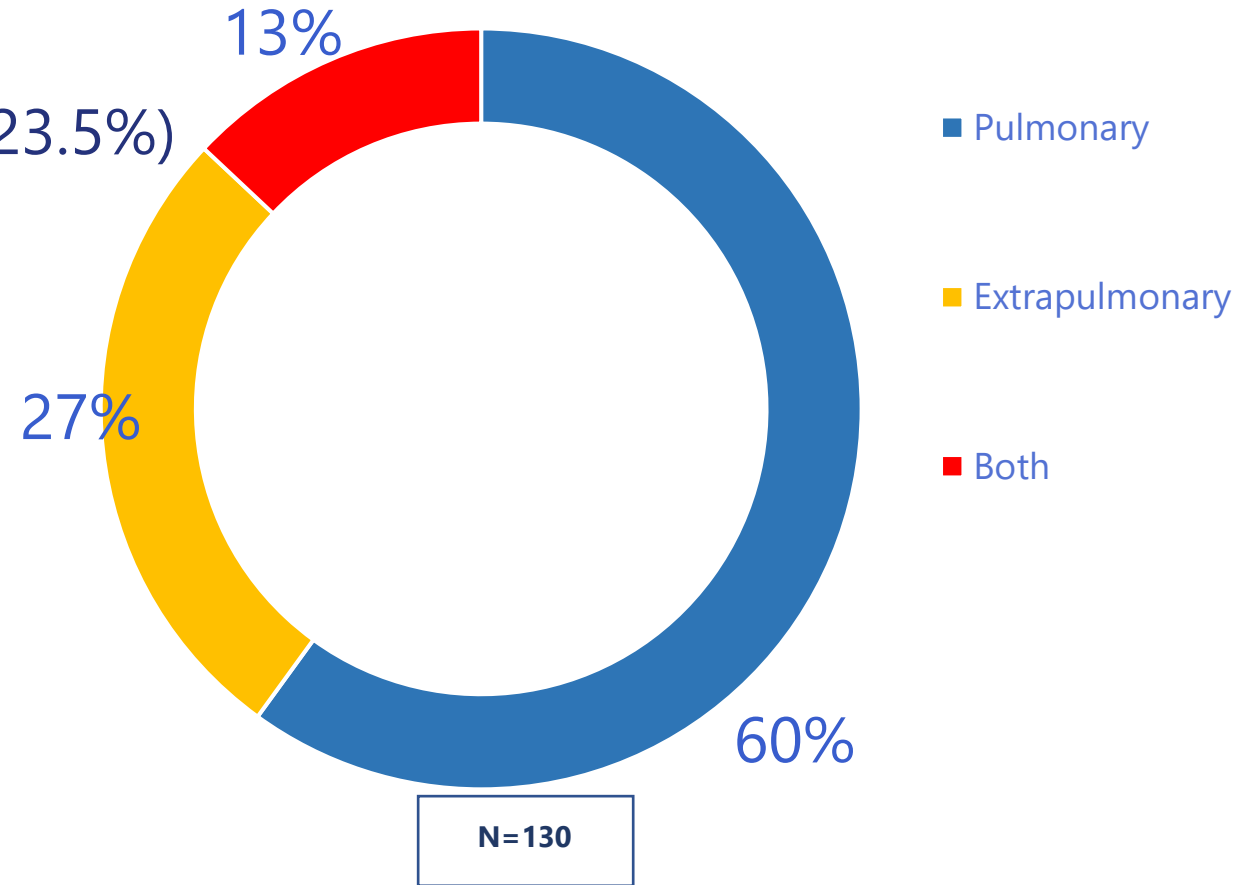


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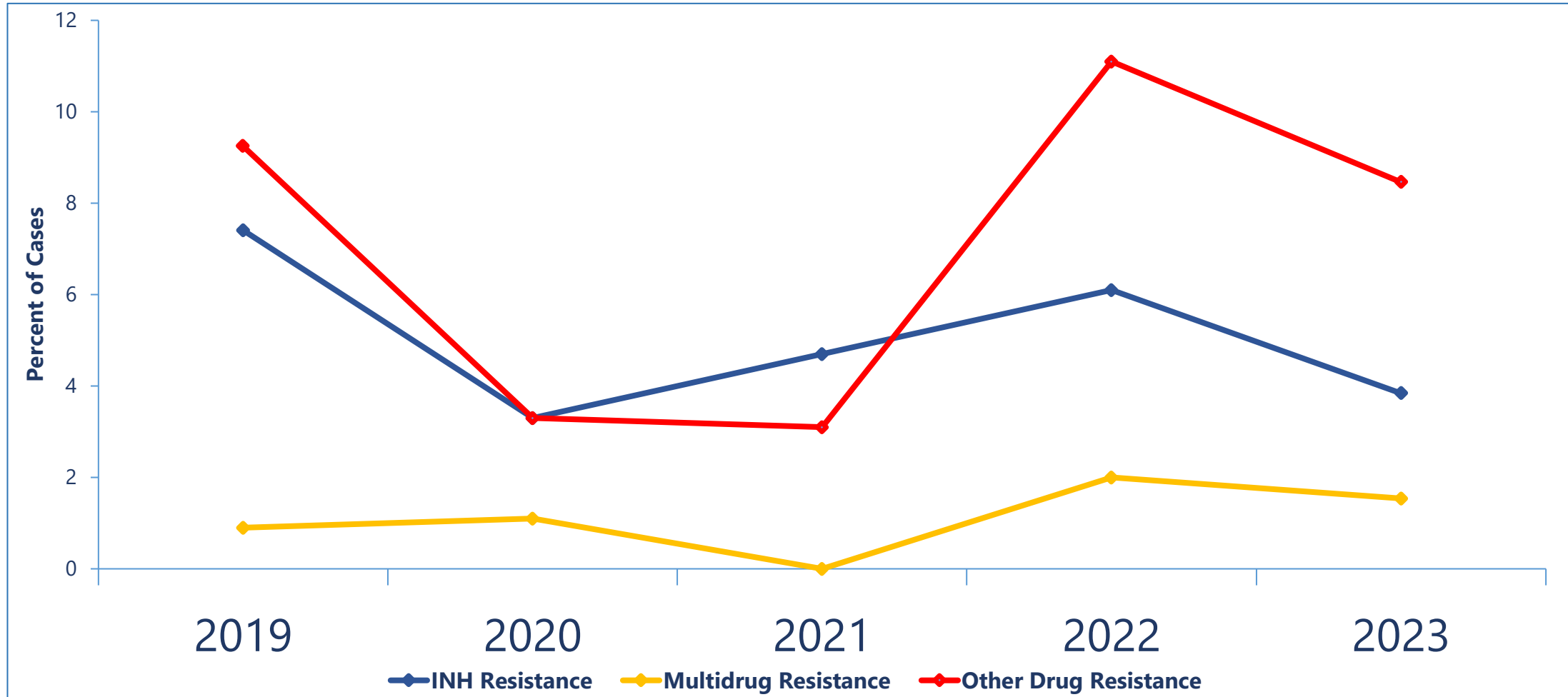
TB Cases by Site of Disease, Indiana, 2023

Extrapulmonary sites include:

- Eye and ear appendages (26.5%)
- Lymphatic Cervical/Axillary/Other (23.5%)
- Pleural (8.8%)
- Meningeal (5.9%)
- Peritoneal (5.9%)



TB Cases by Drug Resistance, Indiana 2019-2023



Treatment Metrics, Indiana 2022 to 2023

	Percent of Cases	National Average	Program Goal
RIPE Initiated (2023)	96.9%	89.6%	95.0 %
Culture Conversion <60 Days (2022)	68.1%	68.1%	83.0%
Completion of Therapy < 1 Year (2022)	92.5%	77.7%	95.0%

Laboratory Metrics, Indiana, 2023

	Percent of Positive Cultures Reported	National Average	Program Goal
Initial Drug Susceptibilities Results	97.7%	82.5%	100%
Genotyping Results	98.8%	88.0%	100%

Summary

- There were 130 reported cases of TB in 2023.
- TB disease disproportionately affected minority groups in 2023.
- There was a rise cases in the <15 years and 25-44 years age groups.
- The risk factors that showed the most increase in reporting were Noninjecting Drug Use and Excess Alcohol Use.
- The program area met or exceeded the national average in the treatment and laboratory metrics.

Questions?

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