
OHA TB FORUM 2018

TB SURVEILLANCE & PERFORMANCE 2017

Presented by Kiley Ariail, TB Epidemiologist

Case Counts

77



76



70



69

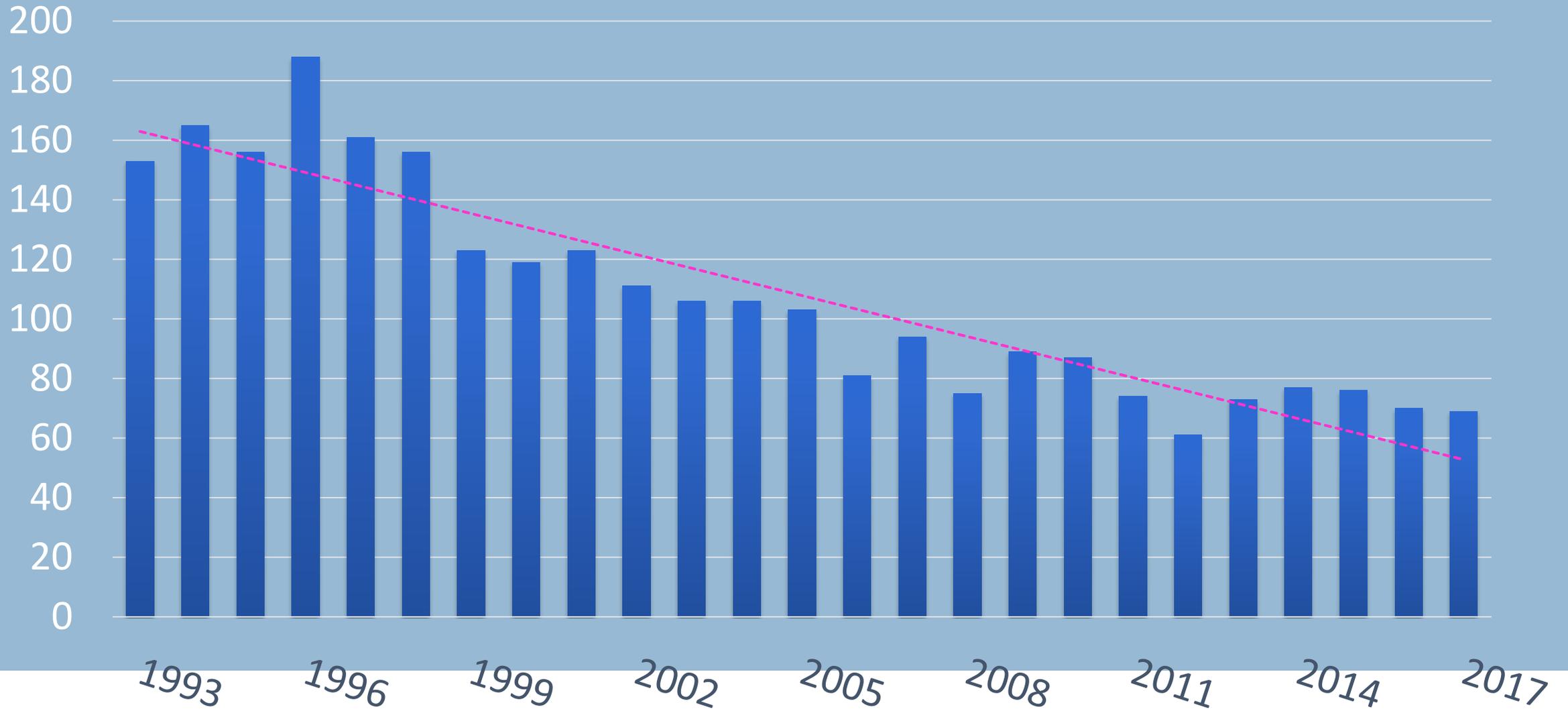
2014

2015

2016

2017

Oregon Case Counts: The Larger Trend



TB Case Distribution

59

Willamette Valley

4

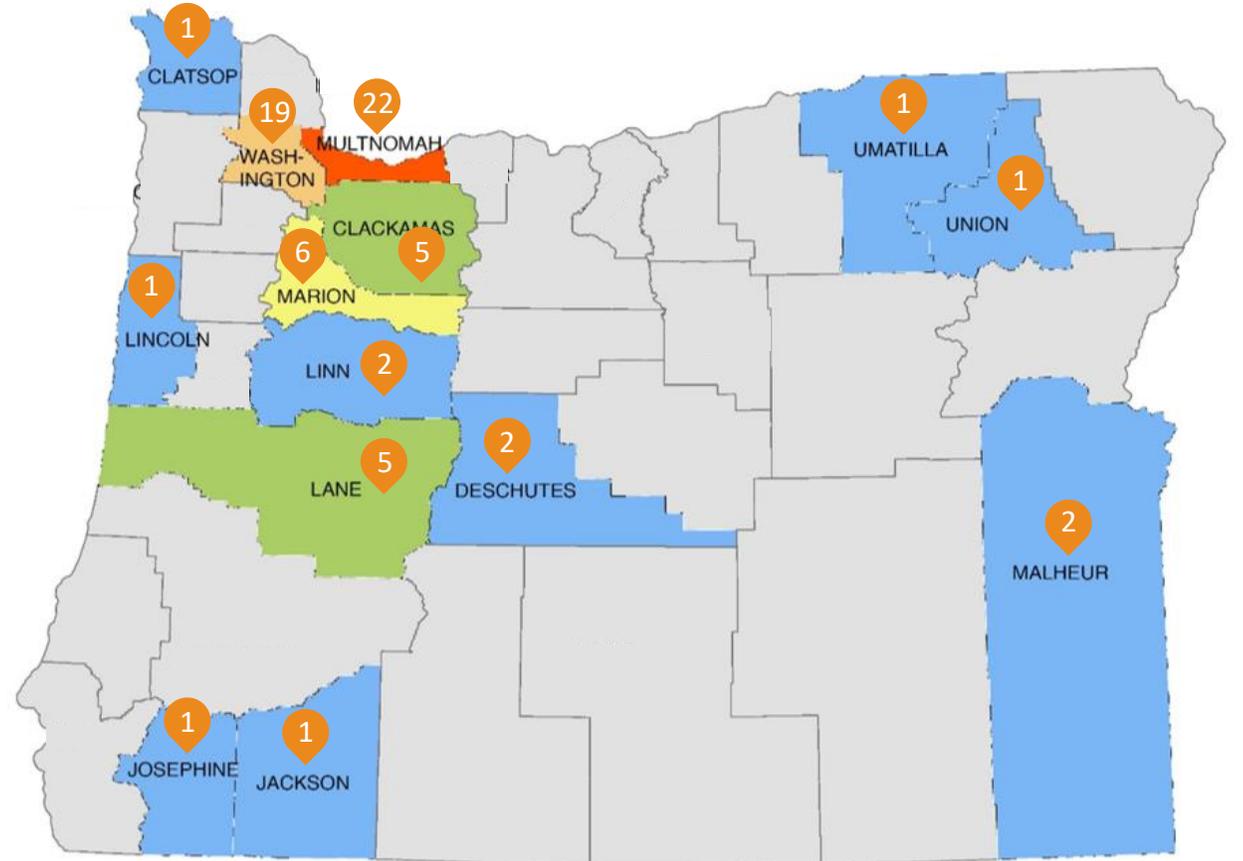
Eastern Oregon

2

Southern Oregon

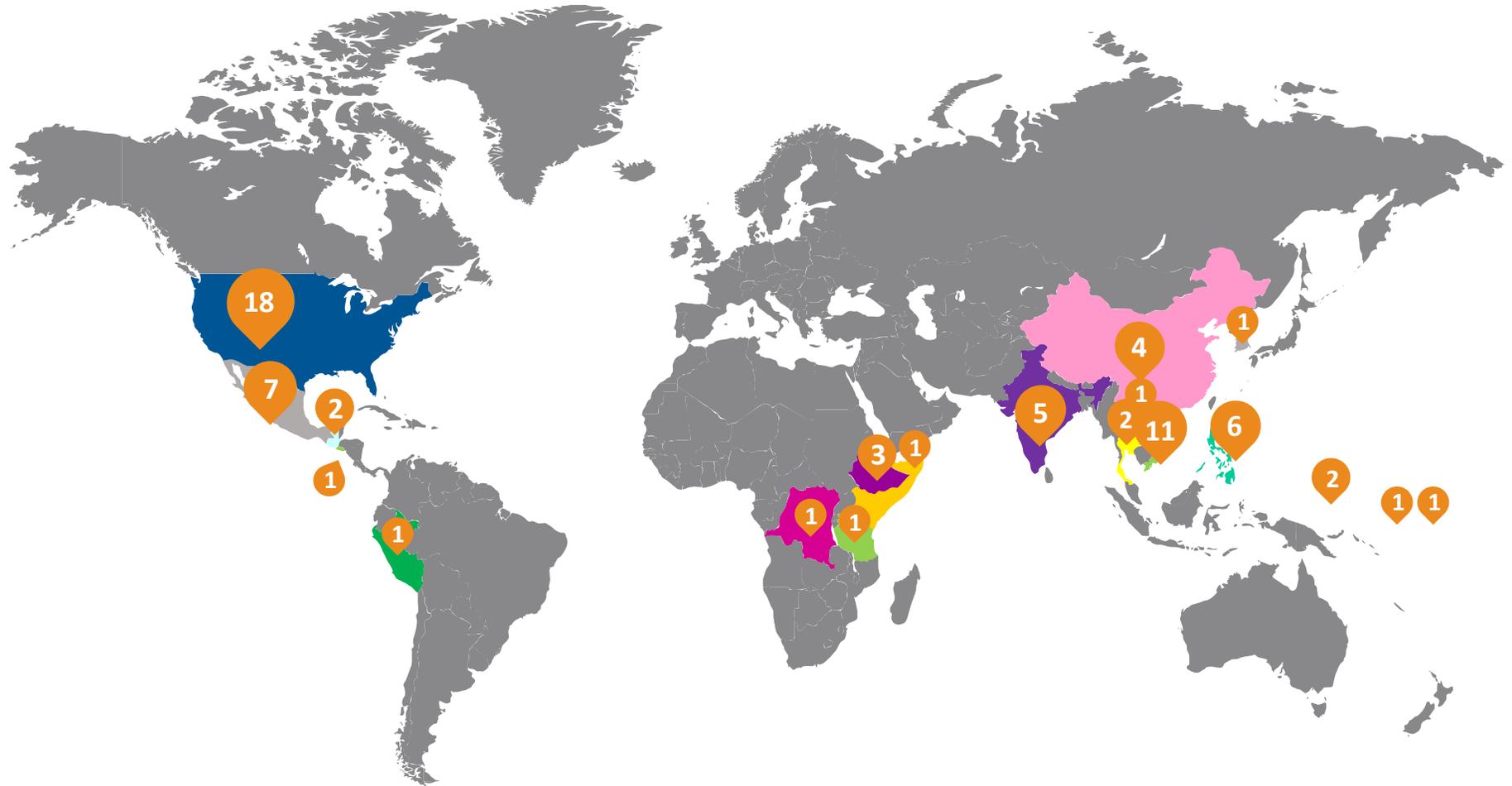
2

Coastal Oregon



2017 TB Cases

Countries of Origin



2017 Trends

Place of Birth

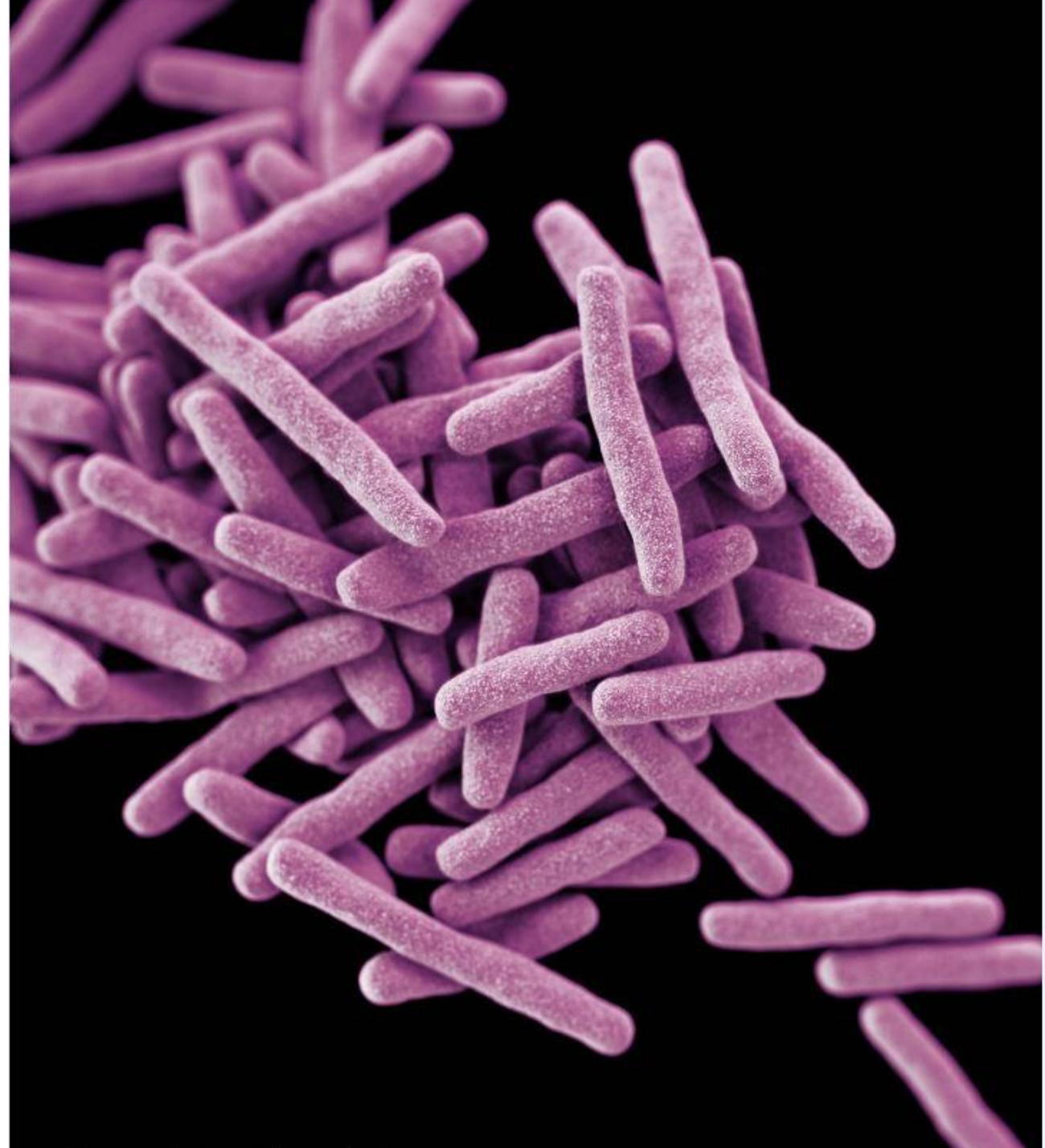
Foreign-born cases continue to outnumber US-born cases by 3:1

Sex

Males outnumber females by 2:1

Geography

People born in Asian countries make up nearly half of cases



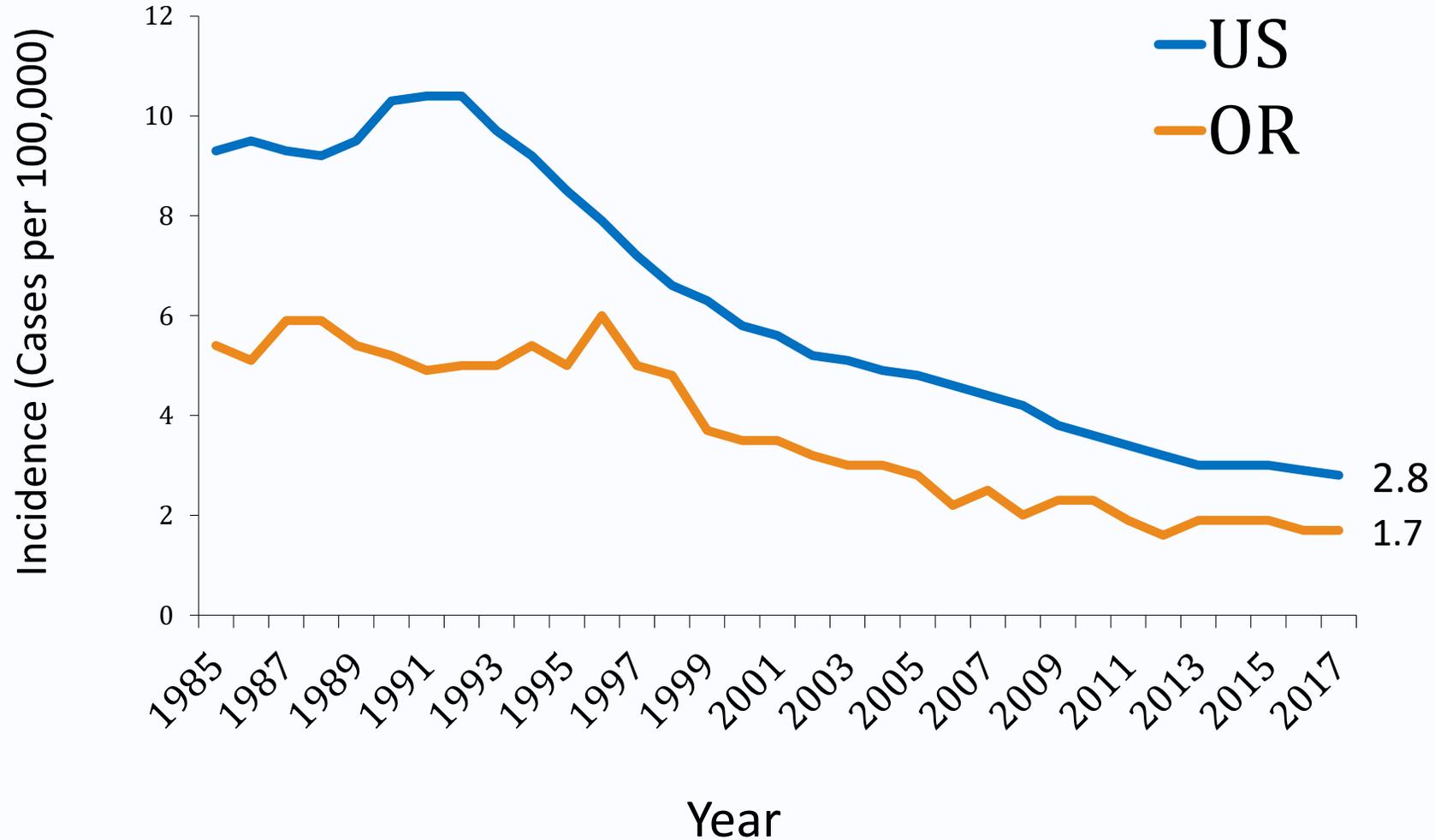
Performance Indicators

Reported by OHA and Measured by CDC

- i. INCIDENCE RATE
- ii. CASE MANAGEMENT
- iii. LABORATORY REPORTING
- iv. CONTACT INVESTIGATION
- v. EXAMINATION OF IMMIGRANTS
AND REFUGEES

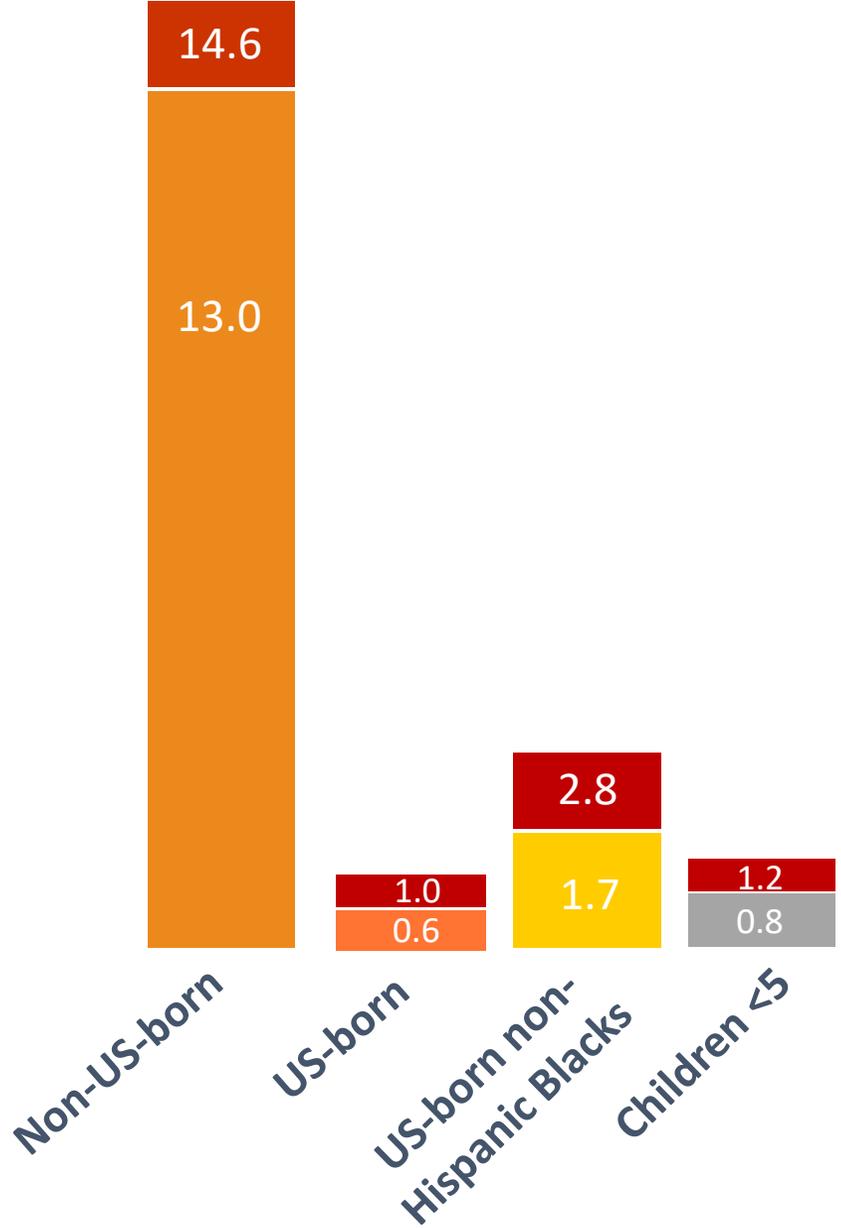


Tuberculosis Incidence in the U.S. and Oregon, 1985-2017



Incidence 5-Year Average

Per 100,000 population



PERFORMANCE INDICATORS

Case Management

As Measured by CDC



KNOWN HIV STATUS

100%



TREATMENT INITIATION

96.4%

RECOMMENDED INITIAL THERAPY

94.2%



TREATMENT COMPLETE (2016)

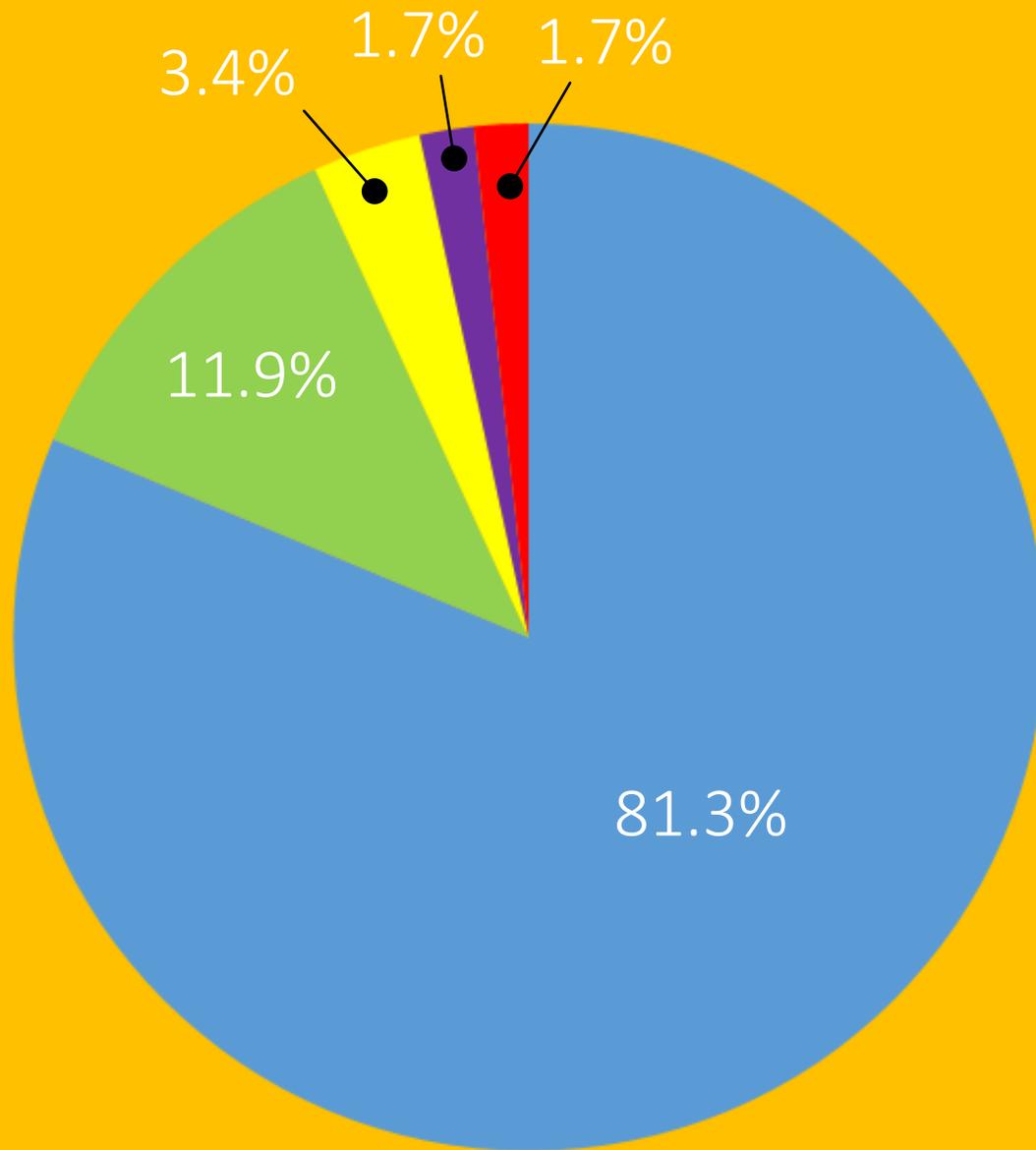
*in < 1 year

81%

OVERALL

93%

Treatment Outcomes (2016)



■ Treatment Completed <12 Months

■ Treatment Completed >12 Months

■ Refused

■ Adverse Event

■ Died <1 Year After Initiating Treatment

PERFORMANCE INDICATORS

Lab Indicators

As Measured by CDC



SPUTUM CULTURE

98%



DRUG SUSCEPTIBILITIES

97.9%



UNIVERSAL
GENOTYPING

100%

PERFORMANCE INDICATORS

Contact Investigation (2016)

As Measured by CDC



CONTACTS ELICITED

100%



EVALUATION OF CONTACTS

n=563

96.5%



LTBI IDENTIFIED AND
START TREATMENT

n=57

85%

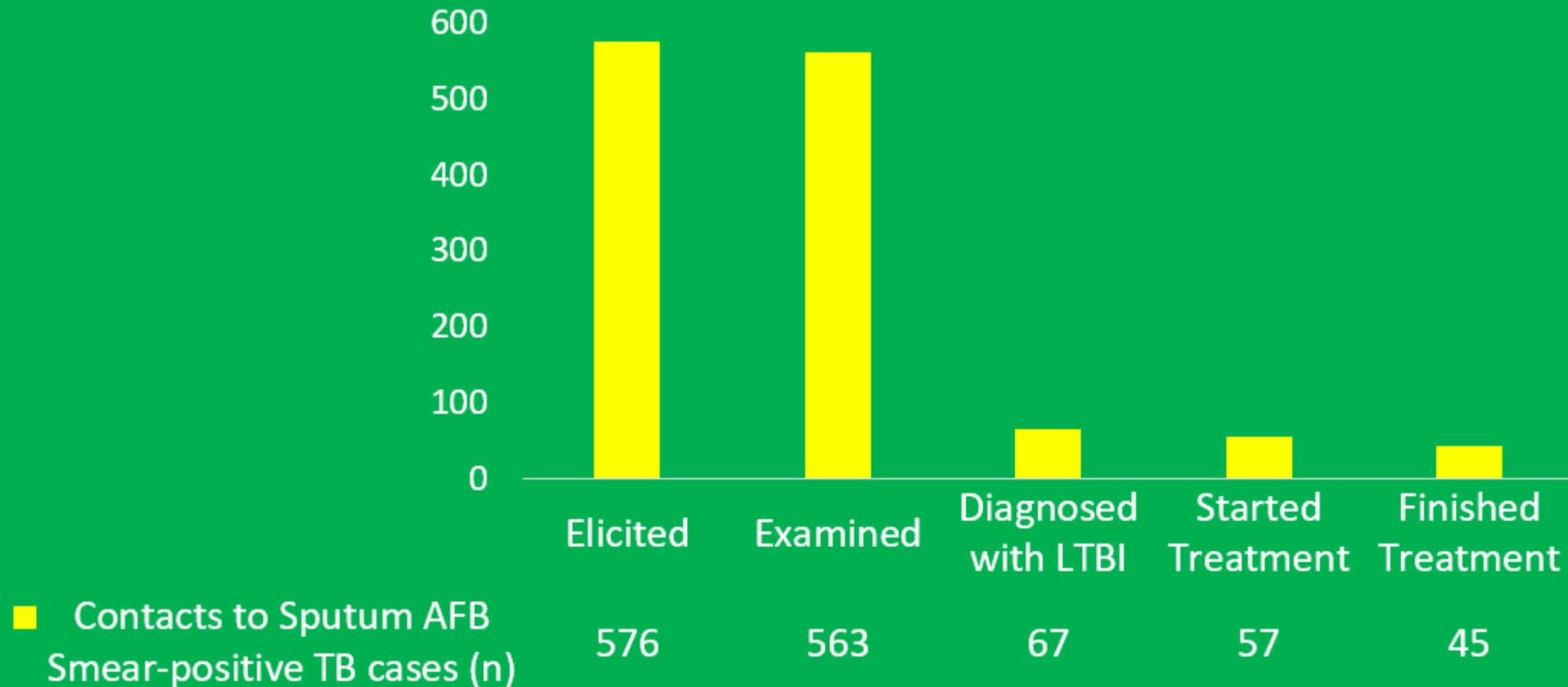


LTBI IDENTIFIED AND
FINISH TREATMENT

n=45

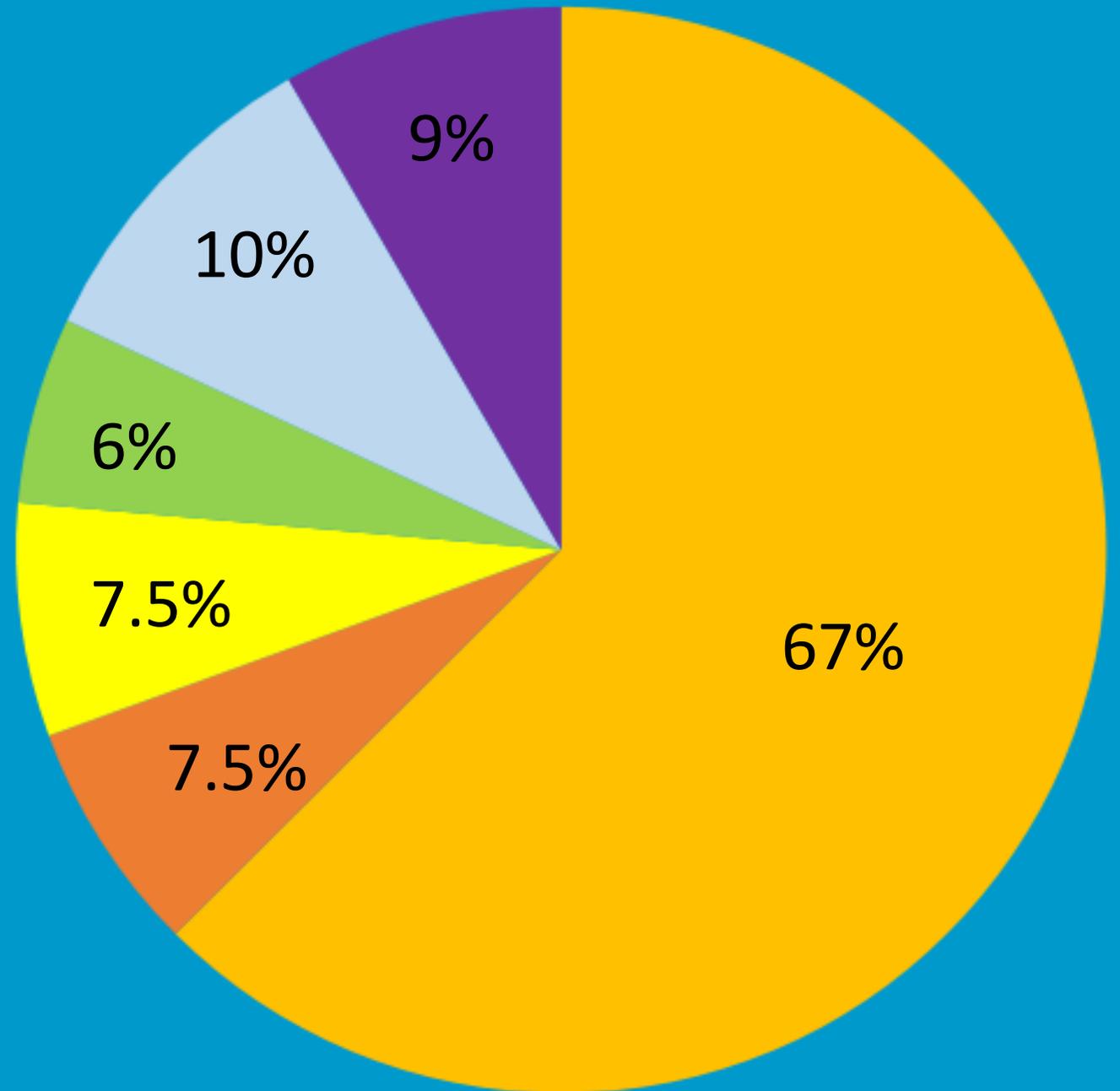
79%

Contacts to AFB Smear+ Cases, By Examination and Treatment Disposition (2016)



LTBI Treatment Outcomes (2016)

- Completed Treatment
- Did Not Start
- Developed Active TB*
- Adverse Drug Reaction
- Refused
- Lost to Follow-Up



PERFORMANCE INDICATORS

Examination of Immigrants & Refugees

As Measured by CDC



EXAMINATION INITIATED
W/IN 30 DAYS

62%

40%



EXAMINATION COMPLETED

76.5%

36%



LTBI IDENTIFIED AND
START TREATMENT

59%

61%



LTBI IDENTIFIED AND
FINISH TREATMENT

53%

46%



**“PEOPLE COMMONLY USE
STATISTICS LIKE A DRUNK USES A
LAMP POST: FOR SUPPORT RATHER
THAN FOR ILLUMINATION.”**

-Mark Twain