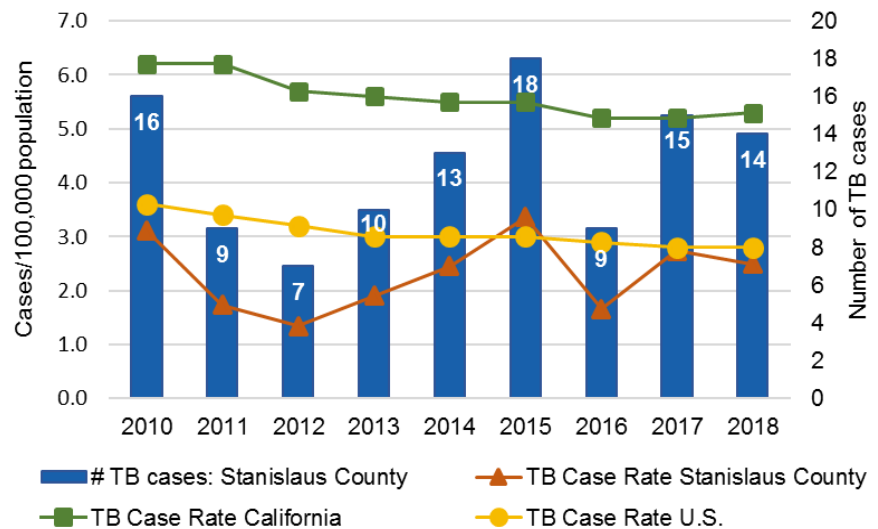


## Tuberculosis in Stanislaus County: 2018 Snapshot

### OVERVIEW

- In 2018, Stanislaus County reported 14 cases of active Tuberculosis (TB). Since 2010 TB cases reported per year have ranged from seven (in 2012) to 18 (in 2015).
- In 2018, Stanislaus County had a TB case rate of 2.5 per 100,000 population.
- For the past nine years, Stanislaus County TB case rates have remained below the California TB case rates as well as U.S. rates except during 2015.

**Figure 1. Annual TB Disease Cases & Rates for Stanislaus County, California and U.S. (2010-2018)**



### GENDER & AGE GROUP

- Males and females were equally represented with seven cases each in 2018.
- The highest burden of active TB from 2016-2018 was in adults 65 years and older (7.6/100,000 three year average case rate).
- In 2018, no active TB was identified in children aged less than five years.

### RACE & ETHNICITY

- Asians/Pacific Islanders had the highest burden of active TB among all races (three year average case rate of 16.8/100,000).
- Non-Hispanic Whites had the lowest average race-specific rate of 0.7/100,000.

**Table 1. TB Cases (2018) & Average Case Rates (2016-2018), Stanislaus County**

		Percent	Number	Three Year Average Case Rate/100,000
<b>Gender</b>	Male	50	7	2.7
	Female	50	7	1.9
<b>Age Group</b>	0-4 yrs.	0	0	0.9
	5-14 yrs.	0	0	0
	15-24 yrs.	7.1	1	0.4
	25-44 yrs.	50.0	7	2.2
	45-64 yrs.	21.4	3	2.8
	65+ yrs.	21.4	3	7.6
<b>Race &amp; Ethnicity</b>	Asian/ Pacific Islander	35.7	5	16.8
	Black	7.1	1	6.7
	Hispanic	50.0	7	2.1
	White	7.1	1	0.7

## Tuberculosis in Stanislaus County: 2018 Snapshot – Continued

### PLACE OF BIRTH

- 86% of the reported TB cases in 2018 were diagnosed in people who were born outside the United States.
- Mexico and India were the top two countries of birth reported by non-US-born people with TB in 2018.

### COMORBIDITIES & RISK FACTORS

- Diabetes triples the risk of developing active TB<sup>1</sup> and is considered to be a major risk factor.
- 14.3% of people with TB had diabetes at the time of TB diagnosis in 2018.

### ACTIVE TB SITE OF DISEASE, 2018

- Ten (71.4%) people with active TB had pulmonary TB. Four (28.6%) had extra-pulmonary TB only.

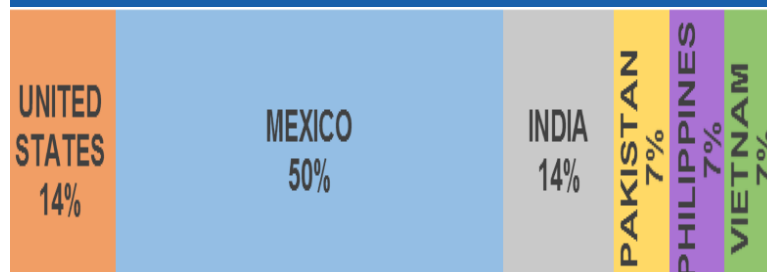
### DRUG SUSCEPTIBILITY

- Seven out of 14 people with TB identified in 2018 were diagnosed through a TB culture. Two were diagnosed by PCR only and five were clinically diagnosed.
- One of the TB isolates was found to be resistant to Isoniazid in 2018.

### DEATHS

- One person diagnosed with TB in 2018 died.

**Figure 2. TB Cases by Country of Birth, Stanislaus County (2018)**



**Table 2. TB Cases by Select Comorbidities and Risk Factors, Stanislaus County (2017-2018)**

	2018		2017	
	%*	#	%*	#
Immunosuppression	14.3	2	6.7	1
Diabetes	14.3	2	26.7	4
End stage renal disease	-	0	6.7	1
HIV/AIDS	7.1	1	6.7	1

\*14 Cases in 2018 and 15 Cases in 2017

**Table 3. Culture Positive TB cases by Initial Drug Susceptibility, Stanislaus County (2017-2018)**

	2018	2017
TB culture test positive	7	10
Sensitive to all 1st line drugs	6	9
Resistant to 1 or more drugs	1	1
Isoniazid resistance	1	0
Rifampin resistance	0	0
Pyrazinamide resistance	0	1
Any other drug resistance	0	0

<sup>1</sup>World Health Organization. Tuberculosis & Diabetes. [http://www.who.int/tb/publications/diabetes\\_tb.pdf](http://www.who.int/tb/publications/diabetes_tb.pdf).