

# TUBERCULOSIS in Contra Costa County 2021

## Contra Costa County Tuberculosis Cases & Case Rates



**California is Ranked 4th in the US for cases of TB disease and continues to have a high rate of Tuberculosis**  
**Contra Costa County is ranked 18th in the State for cases of TB disease**

- The overall decrease in TB cases since 2019 is likely due to the COVID-19 pandemic. Possible reasons include fewer cases in persons born outside the U.S. because of decreased immigration and breakdown of public health systems in high burden countries during the pandemic, fewer patients seeking care or receiving a diagnosis of TB, and decreased transmission of TB due to masking and other COVID-19 restrictions. CDPH and CCHS expect further increases in TB cases as pandemic mitigation strategies recede. \*
- More than 2 million Californians (6% of the population) have Latent Tuberculosis Infection (LTBI). Without treatment LTBI can progress to active TB disease. \*
- Tuberculosis remains the leading infectious disease cause of death around the world.

## Tuberculosis and COVID-19

- Among persons with TB disease in California in 2020, 141 (8.3%) also had COVID-19 infection identified in 2020. TB and COVID-19 occurred within 120 days among 81 cases. \*
- Most persons who had both TB and COVID-19 in 2020 were Hispanic (n=80, 56.7%) or Asian (n=49, 34.8%), and 122 (86.5%) were born outside of the U.S., demonstrating the overlap of communities disproportionately affected by COVID-19 and TB.\*
- Maintain your vigilance in screening for TB as you are also thinking about COVID-19.
- Patients with TB/COVID-19 co-infections are thought to have poorer treatment outcomes.

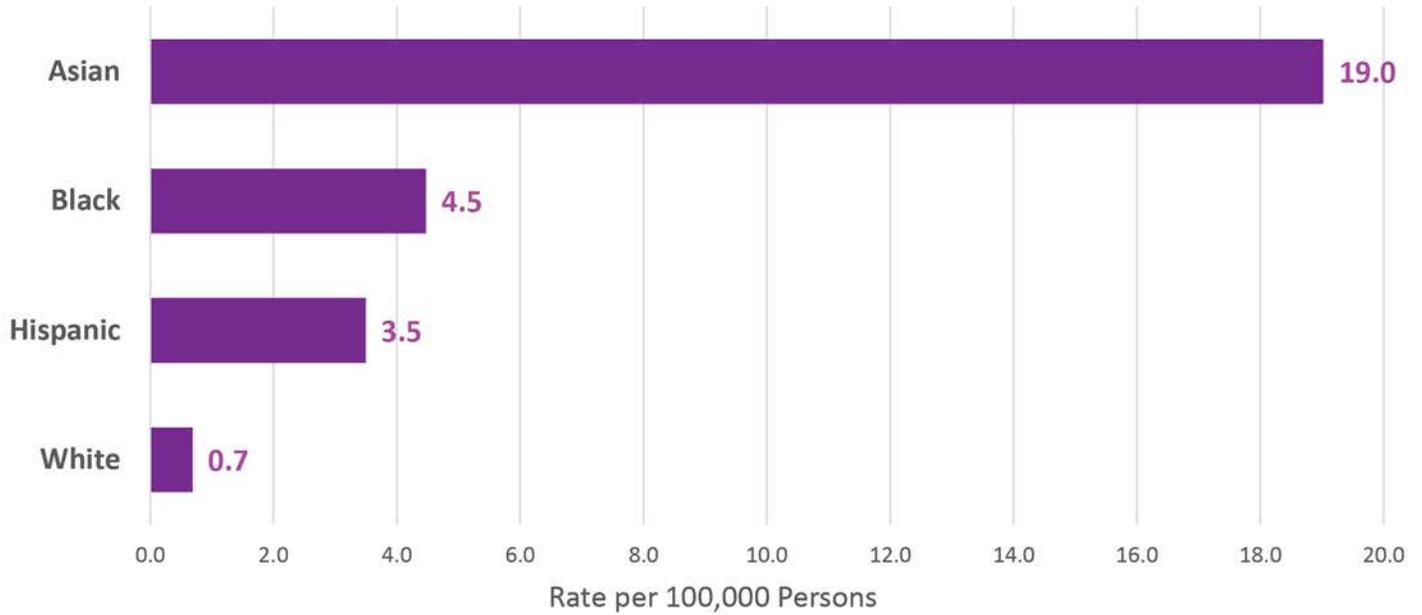
## Racial and Ethnic Disparities

### Country or Region of Birth for Persons with TB Disease, Contra Costa County, 2017-2021



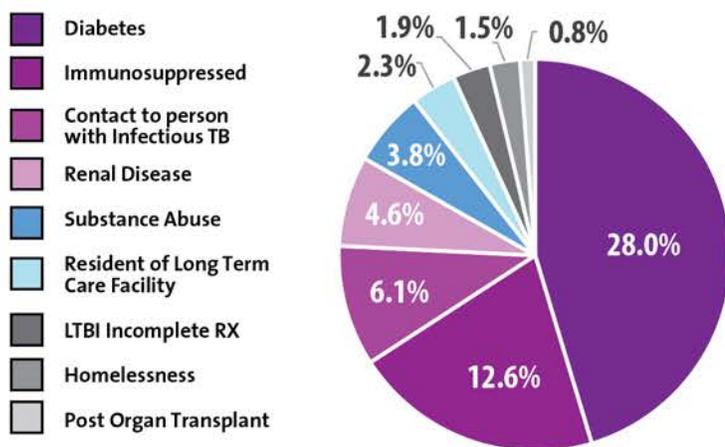
\*TB in California: 2021 Snapshot, TBCB/CDPH (see attached)

## 5-Year Average TB Rates by Race/Ethnicity Contra Costa County, 2017-2021



- In Contra Costa, high-risk communities with demonstrated disparities in healthcare access continue to bear a significant burden of TB disease.
- The TB rate in Contra Costa was 5x higher in persons born outside the U.S. than the rate among U.S. born persons.
- The majority of TB cases in Contra Costa County come from the highest burden countries in the world-The Philippines, India, Mexico, China.
- According to CDPH, only about 10% of the State’s cases are due to recent transmission in the United States.

### Risk Factors and Their Effect on Progression to Disease 2017-2021



**Diabetes is increasingly recognized as a risk factor for progression to TB disease as well as requiring longer treatment duration. Blood sugar control is essential to improving TB disease outcomes.**

### Resources for Management of Tuberculosis in Contra Costa

- Tuberculosis Client Services (TBCS) at Contra Costa Public Health 925-313-6740
- [cchealth.org/tb](http://cchealth.org/tb)
- Curry International TB Center (CITC) Warmline 877-390-6682 or email [currytbcenter@ucsf.edu](mailto:currytbcenter@ucsf.edu)
- California Department of Public Health Tuberculosis Control Branch (510) 620-3000 or [tbc@cdph.ca.gov](mailto:tbc@cdph.ca.gov)

\*TB in California: 2021 Snapshot, TBCB/CDPH (see attached)