



# Communicable Diseases Quarterly Report

Quarter 4: October - December 31, 2020

Department of Public Health

	2019 Cases		2020 Cases	
	QTR 4	YTD	QTR 4	YTD
<b>Sexually Transmitted Diseases</b>				
<a href="#">AIDS<sup>1</sup></a>	<10	46	15	59
<a href="#">Chlamydia</a>	1772	7310	1022	5010
<a href="#">Gonococcal Infection</a>	617	2442	687	2425
<a href="#">HIV<sup>1</sup></a>	26	116	31	129
<a href="#">Syphilis-Total</a>	269	1153	243	990

Vaccine Preventable Diseases				
<a href="#">Hepatitis A</a>	<10	<10	0	<10
<a href="#">Hepatitis B (Acute)</a>	<10	<10	<10	<10
<a href="#">Hepatitis B (Chronic)</a>	32	156	44	124
<a href="#">Meningococcal disease</a>	0	0	0	0
<a href="#">Mumps</a>	<10	<10	0	16
<a href="#">Pertussis</a>	<10	83	0	<10

Food Borne Diseases				
<a href="#">Campylobacteriosis</a>	45	316	50	175
<a href="#">Shiga Toxigenic E. Coli</a>	<10	58	<10	30
<a href="#">Giardia</a>	<10	29	<10	21
<a href="#">Salmonellosis</a>	32	161	12	75
<a href="#">Shigellosis</a>	10	67	<10	40

Vector Borne & Zoonotic Diseases				
<a href="#">Lyme Disease</a>	0	<10	0	<10
<a href="#">Malaria</a>	0	<10	0	0
<a href="#">West Nile Virus</a>	<10	51	<10	12
<a href="#">Zika Virus</a>	0	0	0	0

Selected Communicable Diseases				
<a href="#">Coccidioidomycosis</a>	224	661	126	457
<a href="#">Hepatitis C (Chronic)</a>	161	758	124	503
<a href="#">Legionellosis</a>	<10	16	0	<10
<a href="#">Meningitis</a>	25	66	15	73
<a href="#">Tuberculosis</a>	15	38	<10	36

#### Definitions:

- **Communicable disease** – a disease which can be transmitted directly or indirectly by a living organism or by a non-living object or substance. Examples include: from an infected person to another person who is susceptible; from an object (sheets, clothing, telephone handset, drinking glass) that may harbor germs to a susceptible person.
- **Reportable disease** – in compliance with federal and state health code, certain diseases must be reported when a confirmed or suspect diagnosis is made on a secured and standardized form. [National Notifiable Diseases Surveillance System | CDC](#) for more information.
- <sup>1</sup> Reporting for HIV and AIDS is delayed and the numbers presented are likely underreported.

#### Spotlight: Tuberculosis

Tuberculosis (TB) is a common communicable disease caused by the bacterium *Mycobacterium tuberculosis* and occasionally *Mycobacterium bovis*. It most commonly infects the lungs but can infect almost any organ system.

A total of 36 TB cases (an incidence of 3.5 cases per 100,000 people) were reported in Fresno County during 2020. Compared to 2019, in 2020 the incidence decreased by 5.4% and the number of cases decreased by 5.3%.

In 2020, most TB cases occurred in older adults (average age 50.7 years old), and more TB cases were male than female (66.7% vs. 33.3%). Over half of TB cases were not employed when they received their diagnosis.

Racial and ethnic disparities exist among populations with TB disease in Fresno County. During 2020, the incidence of TB for Asians/NHPI, Hispanics/Latinos, Blacks/African Americans, and Whites is: 13.6, 3.5, 2.3, and 0.7 per 100,000 people respectively.

Foreign-born people represent well over half of all TB cases in 2020, and 75% of these cases arrived from Mexico and India. Social and behavioral risk factors identified in 2020 TB cases include alcohol and drug abuse, contact with an active TB case, homelessness, correctional facility residency, and long-term care facility residency. Medical risk factors identified in 2020 TB cases include diabetes, HIV, and end stage renal disease.

There were no multidrug-resistant TB (MDR-TB) cases identified in Fresno County during 2020.

#### References

Centers for Disease Control and Prevention (2021). Tuberculosis. Retrieved from: <https://www.cdc.gov/tb/default.htm>

## Reportable Diseases in Fresno County:

A selection of Reportable Diseases appears in this Quarterly Report. Reportable disease information is compiled by number of cases and includes confirmed, probable and suspect classifications.

In the tables to the left, numbers of cases for each disease are listed for the current and previous year and corresponding quarter.

#### Helpful Links for Disease Rates

Centers for Disease Control and Prevention (CDC):

[www.cdc.gov/datastatistics](http://www.cdc.gov/datastatistics)

California Department of Public Health (CDPH):

<https://www.cdph.ca.gov>

Fresno County Department of Public Health (FCDPH):

<http://www.co.fresno.ca.us/departments/public-health>