

Vaccine-preventable diseases (VPDs) are diseases for which vaccines exist to provide protection against the disease. Vaccination protects the person receiving the vaccine and also helps keep the disease from spreading to others in the community. This report provides statistics on VPDs reported in Sacramento County for the years 2017 through 2021.

Table 1 shows the number of vaccine-preventable disease (VPD) cases reported in Sacramento County for the years 2017 through 2021. Overall, the number of VPD cases declined in 2020 and 2021, aligning with the COVID-19 pandemic where mitigation efforts (e.g., masking) were in place. In 2021, there were no chickenpox (hospitalizations/ deaths), measles, meningococcal disease, mumps, rubella, or tetanus cases reported to the County. However, there were still reports of pertussis (N=9), hepatitis A (N=4), acute hepatitis B (N=1), and *Haemophilus influenzae* in children less than 5 (N=1) reported.

Figure 1 shows the number of reported pertussis cases by month and year. Pertussis generally follows a cyclical pattern with peaks in cases every three to five years. Between 2017 and 2021, the number of reported pertussis cases was highest in 2019.

A total of 11 meningococcal disease cases were reported between 2017 and 2021, with the majority in serogroup B [Figure 2]. The highest number of cases were reported among those in their 20's (N=4) followed by those in less than 10 years old (N=3) [data not shown].

Data Source: California Reportable Disease Information Exchange (CaREDIE)

Notes: Data are provisional. Counts may be influenced by surveillance artifacts and outbreaks. Cases are classified according to the most recent case definitions as published by the Centers for Disease Control and Prevention/Council of State and Territorial Epidemiologists.

Table 1. Number of Vaccine-Preventable Disease Cases, Sacramento County, 2017-2021

Disease	2017	2018	2019	2020	2021
Chickenpox (Varicella), Hospitalizations and Deaths¹	4	4	2	2	0
<i>Haemophilus influenzae</i> , less than 5 years old ⁸	3	1	2	0	1
Hepatitis A¹	10	13	5	4	4
Hepatitis B, Acute Infection¹	5	3	4	0	1
Measles^{1, 2(2019)}	0	1	3	0	0
Meningococcal Disease²	5	1	5	0	0
Mumps^{2, 1(2018)}	10	0	1	0	0
Pertussis^{3, 2(2020)}	67	95	115	43	9
Rubella¹, includes congenital rubella syndrome²	1	0	0	0	0
Tetanus⁵	0	0	0	0	0

¹Includes confirmed cases

³Includes confirmed, probable, and suspect cases

²Includes confirmed and probable cases

⁵Includes probable cases

Year indicates when inclusion criteria for case counts changed and applies to the year indicated and subsequent years unless otherwise indicated.

Figure 1. Number of Pertussis Cases by Month and Year, Sacramento County, 2017-2021

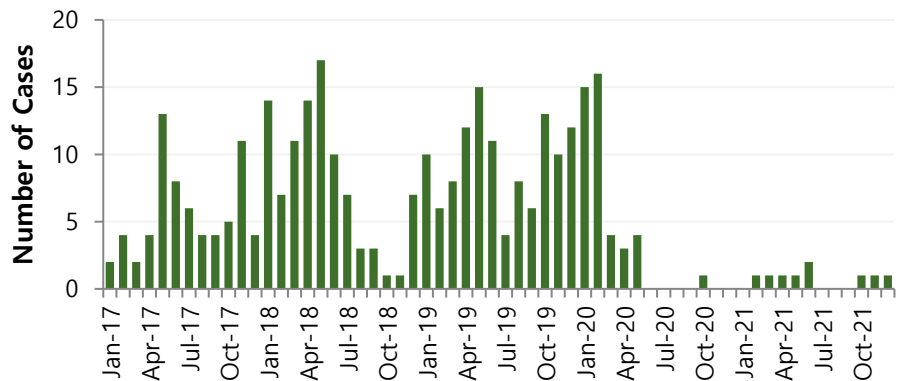


Figure 2. Number of Meningococcal Cases by Serogroup, Sacramento County, 2017-2021

