

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 2018 through 2022.

The number of vaccine-preventable disease (VPD) cases reported in Sacramento County for the years 2018 through 2022 is shown in Table 1. Overall, the number of VPD cases continued to be lower in 2022 compared to 2018, following the same trend as the earlier pandemic years in 2020 and 2021. The only exception was among *Haemophilus influenzae* (H. flu) cases among children less than 5 years old, with seven times more cases in 2022 compared to 2018. No cases of rubella or tetanus were reported during this five-year period.

Among the H. flu cases with vaccination status known [6 (85.7%)], only one third were fully vaccinated at the time of infection [Figure 1]. Two third of the cases were either not fully vaccinated or only partially vaccinated at the time of infection.

In 2022, there was an outbreak of monkeypox in countries where this disease was not normally found, including in the United States. A total of 145 cases were identified in Sacramento County [Figure 2]. Cases were first identified in May with most cases occurring in July and August. The JYNNEOS vaccine, previously used for smallpox, was approved for the prevention of monkeypox.

Data Source: California Reportable Disease Information Exchange (CalREDIE)

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.

Table 1. Number of Vaccine-Preventable Disease Cases, Sacramento County, 2018-2022

Disease	2018	2019	2020	2021	2022
Chickenpox (Varicella), Hospitalizations and Deaths ¹	4	2	2	0	1
<i>Haemophilus influenzae</i> , less than 5 years old ³	1	2	0	1	7
Hepatitis A ¹	13	5	4	4	4
Hepatitis B, Acute Infection ¹	3	4	0	1	0
Measles ^{1, 2(2019)}	1	3	0	0	0
Meningococcal Disease ²	1	5	0	0	0
Mumps ^{2, 1(2018)}	0	1	0	0	0
Pertussis ^{3, 2(2020)}	95	115	43	9	10

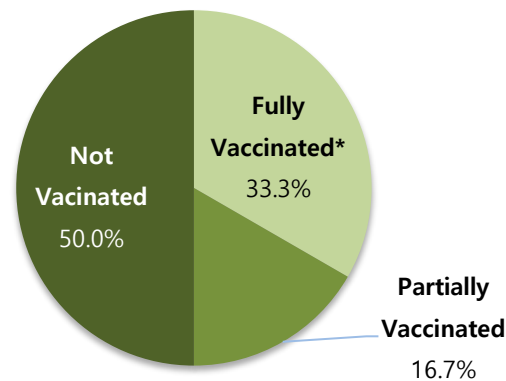
¹Includes confirmed cases

²Includes confirmed and probable cases

³Includes confirmed, probable, and suspect cases

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

Figure 1. *Haemophilus influenzae* Cases by Vaccination Status, Sacramento County, 2022



*Depending on the brand, children who receive two or three doses of the H. flu type B (Hib) vaccine at two, four, and six months of age are considered to be fully vaccinated. An additional booster is recommended between 12 and 15 months of age.

Figure 2. Number of Monkeypox Cases by Month, Sacramento County, 2022

