

Vaccine-preventable diseases (VPD) are diseases for which vaccines exist that can confer partial or complete protection. Vaccination not only protects the person receiving the vaccine but also helps to keep the disease from spreading to others in the community.

Table 1 shows the number of cases of select VPDs reported in Sacramento County for the five year period 2012-2016. In 2016, the highest number of cases of hepatitis A, acute hepatitis B, and meningococcal disease were reported. The number of pertussis cases declined in 2016, following the natural cyclical pattern of the disease with peaks every three to five years. No cases of diphtheria, measles, mumps, polio, or rubella were reported in 2016.

Twelve cases of hepatitis A were reported in 2016, a 71.4% increase compared to 2012. Compared to previous years, children <18 years old accounted for the highest percent of cases (41.7%) in 2016 [Figure 1].

A total of 21 meningococcal disease cases were reported between 2012 and 2016. Two-thirds (66.7%) of these cases were serogroup B [Figure 2], with half of these among infants and children 0-9 years old [Figure 3]. There are two meningococcal vaccines: the ACWY vaccine and a separate B vaccine. The first dose of the ACWY vaccine is recommended at age 11-12 with a booster dose at age 16, but is also recommended for certain high-risk groups as early as two months. The B vaccine is recommended for those ages 10 or older at an increased risk for meningococcal disease.

More information about vaccinations can be found on the Immunization Assistance Program (IAP) website:
[http://www.dhhs.sacounty.net/PUB/Pages/Immunization-Assistance-Program/Immunization-Assistance-Program-\(IAP\).aspx](http://www.dhhs.sacounty.net/PUB/Pages/Immunization-Assistance-Program/Immunization-Assistance-Program-(IAP).aspx)

Notes: Data is provisional. Counts may be influenced by surveillance artifacts and outbreaks.

Table 1. Cases of Select Vaccine-Preventable Diseases (VPDs), Sacramento County, 2012-2016

Disease	2012	2013	2014	2015	2016
Chickenpox (Varicella), Hospitalizations and Deaths ¹	0	1	1	1	2
Diphtheria ²	0	0	0	0	0
<i>Haemophilus influenzae</i> ³ ‡	1	5	1	3	2
Hepatitis A ¹	7	4	3	3	12
Hepatitis B, Acute Infection ¹	5	4	0	3	9
Measles ¹	0	0	0	0	0
Meningococcal Disease ²	6	4	3	1	7
Mumps ²	2	0	1	0	2
Pertussis ³	34	71	452	287	70
Polio ¹	0	0	0	0	0
Rubella ¹	0	0	0	0	0

¹Includes confirmed cases

²Includes confirmed and probable cases

³Includes confirmed, probable, and suspect cases

⁴Includes confirmed and suspect cases

‡In 2016, the Title 17 California Code of Regulations for Reportable Diseases and Conditions was changed to include the reporting of *Haemophilus influenzae* cases 0-4 years of age only. Prior to 2016, cases 0-14 years of age were reportable.

Figure 1. Hepatitis A Cases Children vs. Adults, Sacramento County, 2012-2016

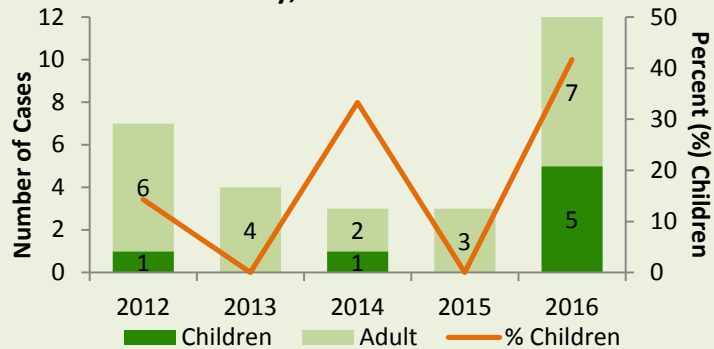


Figure 2. Meningococcal Disease Cases by Serogroup, Sacramento County, 2012-2016 (N=21)

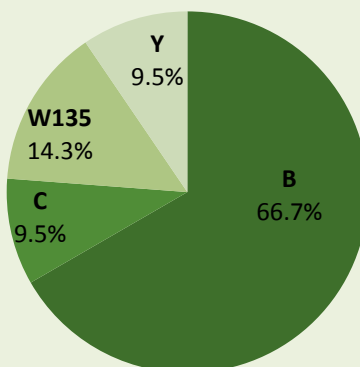


Figure 3. Meningococcal Disease Serogroup B Cases by Age Group (Years), Sacramento County, 2012-2016 (N=14)

