

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 VPD reported in Sacramento County from 2012 through 2015. The number of hospitalizations and deaths due to chickenpox increased from 1 case per year between 2012 and 2014 to 3 cases in 2015. One case of meningococcal disease was reported in 2015 compared to 3-7 cases between 2012 and 2014. No cases of diphtheria, measles, mumps, polio, or rubella were reported in 2015.

A total of 15 meningococcal disease cases were reported between 2012 and 2015 (Figure 1). Of these, 9 (60%) were serogroup B.

Due to the cyclical nature of pertussis with peaks every 3-5 years, the number of cases increased significantly in 2014 following the California pertussis epidemic<sup>¥</sup> with 439 cases and remained high in 2015 with 298 cases (Figure 2). By month, the highest number of cases was typically reported between April and June.

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)

**Table 1. Select Vaccine-Preventable Disease (VPD) Cases, Sacramento County, 2012-2015**

Disease	2012	2013	2014	2015
Chickenpox (Varicella), Hospitalizations and Deaths <sup>1</sup>	1	1	1	3
Diphtheria <sup>2</sup>	0	0	0	0
Haemophilus influenzae (Ages 0-14) <sup>3</sup>	2	5	1	3
Hepatitis A <sup>1</sup>	8	4	3	3
Hepatitis B, Acute Infection <sup>1</sup>	7	4	0	3
Measles <sup>1</sup>	0	0	0	0
Meningococcal Disease <sup>2</sup>	7	4	3	1
Mumps <sup>2</sup>	2	0	1	0
Pertussis <sup>3</sup>	71	68	439	298
Polio <sup>1</sup>	0	0	0	0
Rubella <sup>1</sup>	0	0	0	0

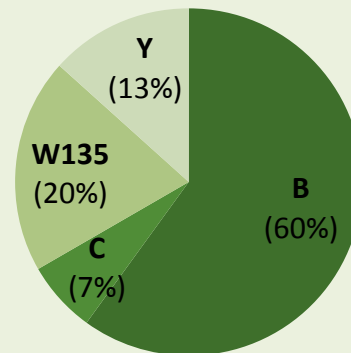
<sup>1</sup>Includes confirmed cases

<sup>3</sup>Includes confirmed, probable, and suspect cases

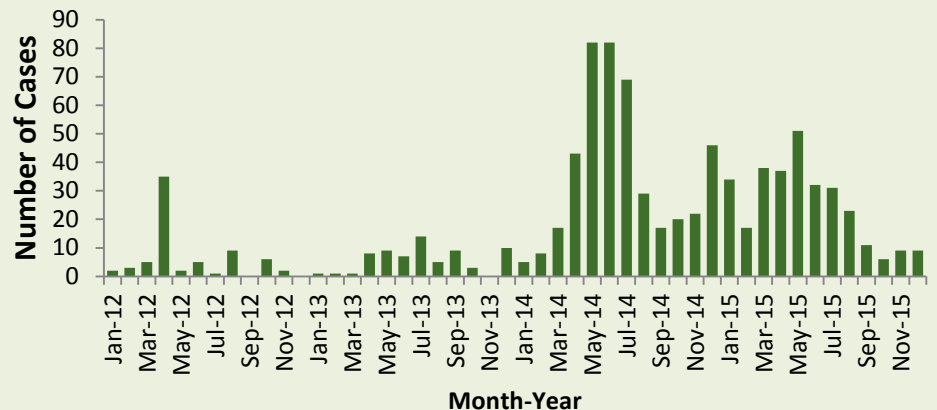
<sup>2</sup>Includes confirmed and probable cases

<sup>4</sup>Includes confirmed and suspect cases

**Figure 1. Meningococcal Disease Cases by Serogroup, Sacramento County, 2012-2015 (N=15)**



**Figure 2. Pertussis Cases by Month, Sacramento County, 2012-2015**



<sup>¥</sup>California Department of Public Health, Immunizations Branch - Pertussis Report - June 27, 2016