

## Mumps

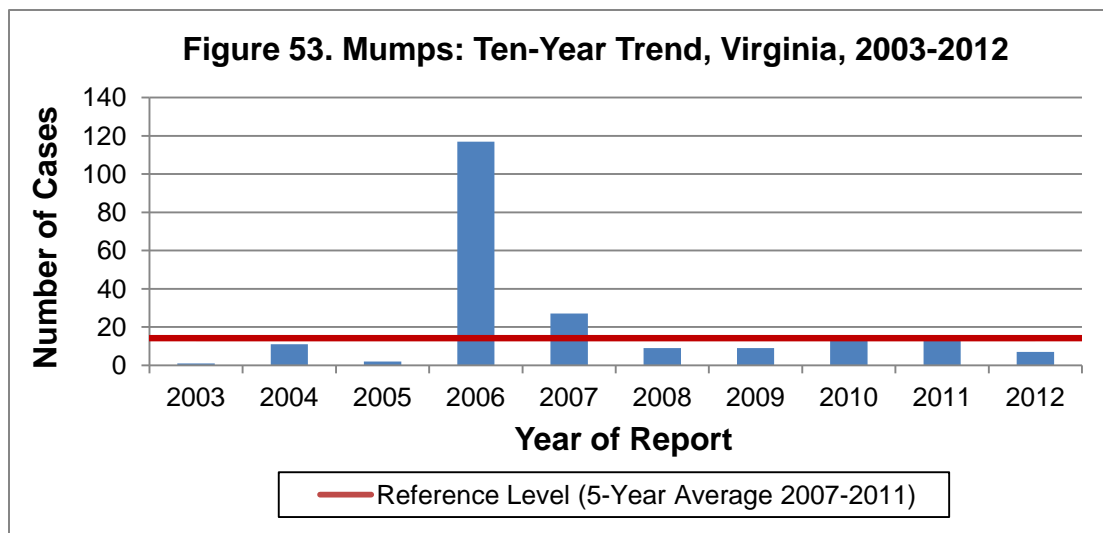
Agent: Mumps (virus)

Mode of Transmission: Person-to-person transmission through respiratory droplets, as well as through direct contact with saliva of an infected person.

Signs/Symptoms: Fever, swelling and tenderness of one or more salivary glands. Mumps infection may present with only nonspecific or primarily respiratory symptoms and as many as 20% of mumps infections are asymptomatic. Serious complications are rare but can occur in the absence of parotitis.

Prevention: Vaccination, preferably as MMR vaccine, should be administered beginning at age 12 months. Two doses of mumps-containing vaccine are recommended for school-aged children, healthcare workers, international travelers, and college students.

Other Important Information: In 2012, the CSTE case definition used to classify reported mumps cases changed, with the “confirmed” criteria becoming more restrictive. However, this did not affect the total number of cases reported in 2012 as both “probable” and “confirmed” cases are included in case counts. In 2009 and 2010, large outbreaks of mumps were documented in populations in New York and Guam, both with high, two-dose vaccination rates. While there is insufficient data to recommend for or against a third dose of mumps-containing vaccine for outbreaks in highly vaccinated populations, a third dose may be considered in specifically identified target populations according to guidance from the CDC.



Seven cases of mumps were reported in Virginia during 2012, a decline from both the 13 cases reported in 2011 and the five-year average of 14.2 cases per year (Figure 53).

Among the 2012 cases, the highest incidence occurred in the 40-49 year age group (0.2 per 100,000) with all other age groups having an incidence of 0.1 per 100,000 or less (Figure 54). Although more cases were reported among females than males (5 versus 2), incidence rates were the same for both sexes (0.1 per 100,000).

Seasonal and regional trends were not apparent as cases occurred in the first, second and fourth quarters of the year and in three out of five regions (northwest, northern and eastern). Among regions, the northwest had the highest incidence (0.2 per 100,000). Other regions experienced rates from 0.0 to 0.1 per 100,000.

