

Mumps

| | | | |
|-----------------|----|-----------|------------------|
| 2007 Case Total | 7 | 2007 Rate | 0.19 per 100,000 |
| 2006 Case Total | 11 | 2006 Rate | 0.31 per 100,000 |

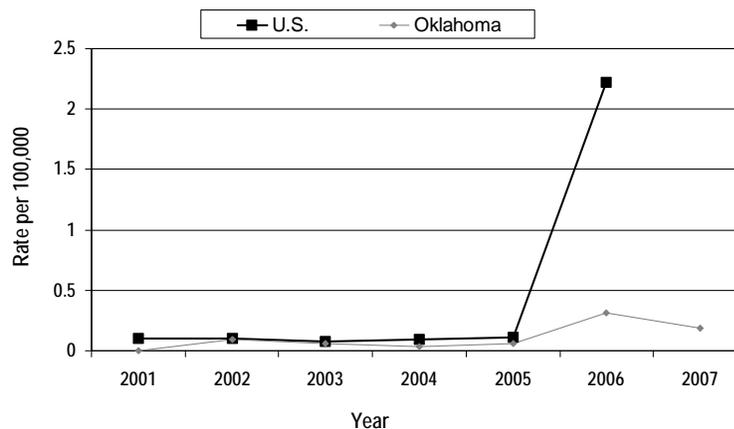
Seven cases of mumps were reported during 2007 resulting in an incidence rate of 0.19 per 100,000 Oklahoma population. Cases ranged in age from 5 years to 48 years with a median age of 23 years. No cases were hospitalized and no deaths due to mumps were reported. All seven cases reported experiencing parotitis lasting greater than or equal to two days without other apparent cause identified. Other symptoms reported by cases included fever (N=2, 29%) and sore throat (N=1, 14%). No cases experienced orchitis or meningitis, and no cases were hospitalized.

One case was associated with an elementary school. No secondary cases were identified during investigations conducted by county health department communicable disease nurses. One case was confirmed by detection of IgM antibodies; no cases were confirmed by viral culture. OSDH recommends testing patients presenting with symptoms consistent with mumps using serology and viral culture. Viral culture of the parotid duct gland should be collected within the first three days of parotitis. IgM and IgG acute and convalescent specimens should also be collected 14 days apart to confirm mumps.

Demographic Summary of Reported Mumps Cases, Oklahoma, 2007 (N=7)

| | Number (%) | Incidence Rate per 100,000 |
|----------------------------------|--|----------------------------|
| Gender | | |
| Male | 6 (86%) | 0.34 |
| Female | 1 (14%) | 0.05 |
| Age | Median Age: 23 years (Range: 5 years – 48 years) | |
| Race | | |
| White | 4 (57%) | 0.14 |
| African American or Black | 0 | -- |
| American Indian | 1 (14%) | 0.35 |
| Pacific Islander/Native Hawaiian | 0 | -- |
| Asian | 0 | -- |
| Hispanic Ethnicity | 1 (1%) | 0.38 |

Mumps Incidence Rate by Year, Oklahoma and U.S., 2001-2007*



*US Data unavailable for 2007