Mumps Outbreak Summary – August 9, 2017

The Oklahoma State Department of Health and local county health departments continue to investigate and provide a public health response to mumps reports. Outbreak transmission ended approximately June 30, 2017; however, small clusters among groups and institutional settings as well as sporadic cases with no linkage to other known cases continue to be identified.

Since January 1, 2017, a total of 155 mumps cases have been identified among resident of multiple counties.

2017 Case Summary
Number of outbreak-associated cases from January 1 through August 9, 2017: 155

- County of Residence:
  - Canadian: 1 (<1%)
  - Cherokee: 1 (<1%)
  - Choctaw: 1 (<1%)
  - Cleveland: 5 (3%)
  - Creek: 1 (<1%)
  - Garfield: 38 (25%)
  - Kay: 5 (3%)
  - Kiowa: 1 (<1%)
  - Logan: 3 (2%)
  - Love: 1 (<1%)
  - Major: 1 (<1%)
  - McCurtain: 63 (42%)
  - Muskogee: 1(<1%)
  - Noble: 1 (<1%)
  - Oklahoma: 13 (8%)
  - Osage: 3 (2%)
  - Rogers: 2 (1%)
  - Tulsa: 12 (8%)

- Age range: 5 m - 76 years (Median age: 22)
- Number hospitalized due to mumps: 3
- Measles, Mumps, and Rubella (MMR) vaccination history
  - Vaccinated: 73 (47%)
  - No vaccination history: 5 (3%)
  - Under age for vaccination: 1 (<1%)
  - Unknown vaccination history: 76 (49%)

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Cumulative Case Summary (July 2016 through August 9, 2017)
Number of outbreak-associated cases: 641

- County of Residence:
  - Alfalfa: 1 (<1%)  Delaware: 4 (<1%)  Major: 1 (<1%)  Rogers: 3 (<1%)
  - Canadian: 2 (<1%)  Garfield: 418 (66%)  McClain: 1 (<1%)  Tulsa: 13 (2%)
  - Cherokee: 1 (<1%)  Kay: 31 (5%)  McCurtain: 124 (19%)  Wagoner: 2 (<1%)
  - Choctaw: 1 (<1%)  Kingfisher: 1 (<1%)  Muskogee: 1 (<1%)  Woods: 3 (<1%)
  - Cleveland: 5 (<1%)  Kiowa: 1 (<1%)  Noble: 1 (<1%)
  - Comanche: 2 (<1%)  Logan: 3 (<1%)  Oklahoma: 13 (2%)
  - Creek: 1 (<1%)  Love: 1 (<1%)  Osage: 7 (1%)

- Age range: 5 months - 76 years (Median age: 18 years)
- Number hospitalized due to mumps: 5
- Measles, Mumps, and Rubella (MMR) vaccination history
  - Vaccinated: 380 (59%)
  - No vaccination history: 34 (5%)
  - Under age for vaccination: 4 (<1%)
  - Unknown vaccination history: 223 (35%)

Number of additional reports under investigation: 37

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