

# Mumps

## Epidemiological Summary for Ontario

January 1, 2017 to April 30, 2017

\*Last updated May 3, 2017

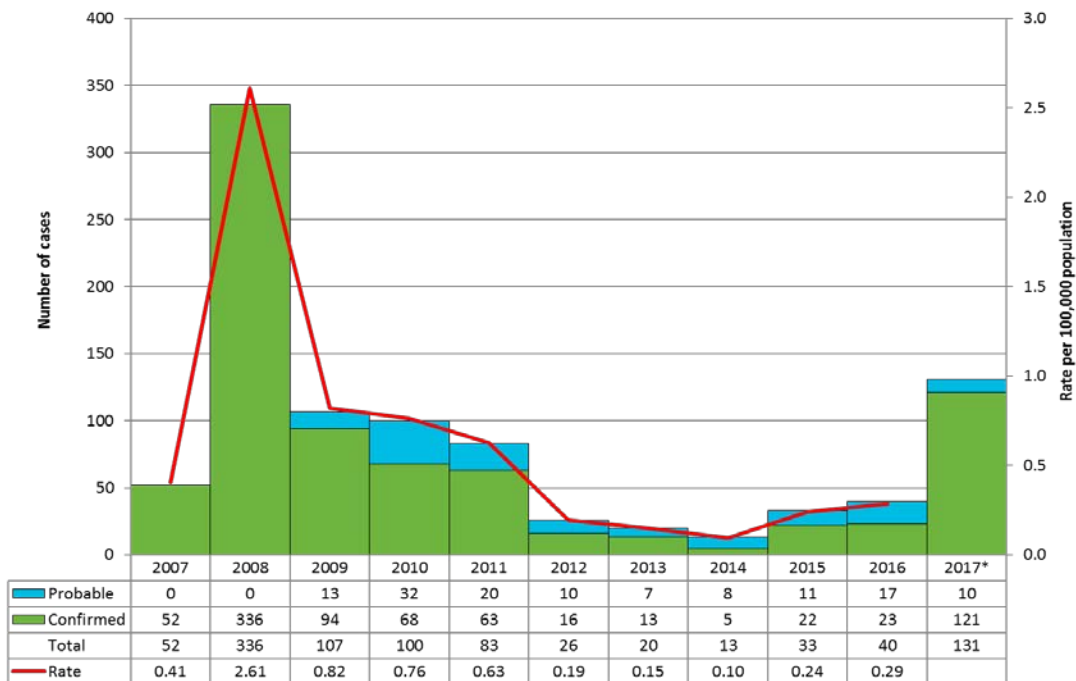
Increased mumps activity has been noted in several parts of North America, including Ontario. This summary reflects Ontario's mumps activity in 2017 (as of April 30, 2017) as reported in the integrated Public Health Information System (iPHIS).

**Temporal:** Between January 1 and April 30, 2017, there have been 131 cases of mumps (121 confirmed and 10 probable) reported in Ontario. Case counts for 2017 are higher than the past eight years (Figure 1).

**Case details:** Symptom onset dates ranged from January 9 to April 30, 2017. Cases ranged in age from 8 to 52 years, with a median of 27 years; 72 (55.0%) were male. Thirteen cases (9.9%) occurred in children under 18 years of age. Cases were reported from 18 different public health units, with the majority of cases (58.8%) reported from Toronto.

**Immunization status:** Immunization status was unknown for 41 cases (31.3%). Of the 90 cases with known immunization status, 36 cases (40.0%) received two or more doses of measles, mumps, rubella (MMR) vaccine, 31 cases (34.4%) received one dose of MMR vaccine, and 23 cases (25.6%) were unimmunized. Among those who received two or more doses of MMR vaccine and whose administration dates were known, the interval between the last MMR dose and disease onset ranged between 5 and 23 years (median 14 years).

Figure 1: Counts and rates of mumps cases: Ontario, January 1, 2007 – April 30, 2017



\*incomplete year

**Data sources:**

Population Estimates [2007-15] and Projection [2016]: MOHLTC, IntelliHEALTH ONTARIO, extracted [2016/09/02].

Ontario Cases: MOHLTC, integrated Public Health Information System (iPHIS) database, extracted [2017/05/03].