

Mumps

Epidemiological Summary for Ontario

January 1, 2017 to June 28, 2017

*Last updated June 28, 2017

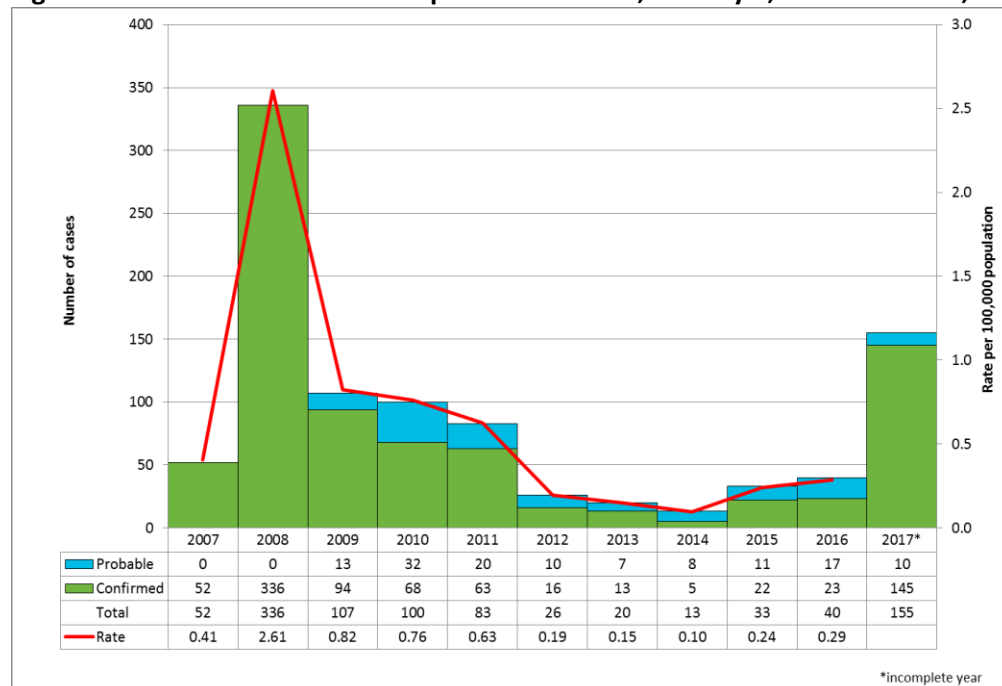
Increased mumps activity has been noted in several parts of North America, including Ontario. This summary reflects Ontario's mumps activity in 2017 (as of June 28, 2017) as reported in the integrated Public Health Information System (iPHIS).

Temporal: Between January 1 and June 28, 2017, there have been 155 cases of mumps (145 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 June 13, 2017. Cases ranged in age from 1 to 80 years, with a median of 28 years; 88 (56.8%) were male. Fifteen cases (9.7%) occurred in children under 18 years of age. Cases were reported from 18 different public health units, with the majority of cases reported from Toronto (58.7%) and Peel (10.3%).

Immunization status: Immunization status was unknown for 51 cases (32.9%). Of the 104 cases with known immunization status, 39 cases (37.5%) received two or more doses of measles, mumps, rubella (MMR) vaccine, 36 cases (34.6%) received one dose of MMR vaccine, and 29 cases (27.9%) 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 15 years).

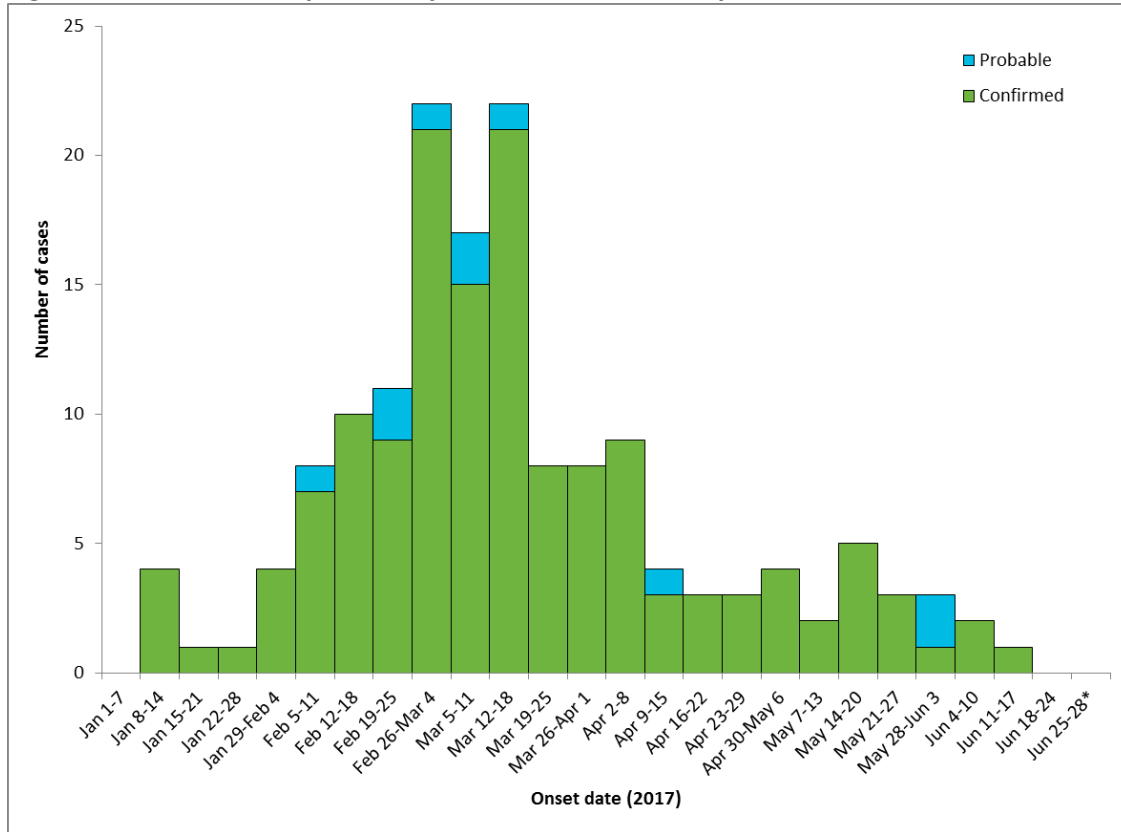
Figure 1: Counts and rates of mumps cases: Ontario, January 1, 2007 – June 28, 2017



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 [2017/06/28].

Figure 2: Counts of mumps cases by week: Ontario, January 1, 2017 – June 28, 2017



Data sources:

Ontario Cases: MOHLTC, integrated Public Health Information System (iPHIS) database, extracted [2017/06/28].