

Mumps: Epidemiological Summary for Ontario January 1, 2017 to December 31, 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 December 31, 2017) as reported in the integrated Public Health Information System (iPHIS).

Temporal trend

Between January 1 and December 31, 2017, there have been 261 cases of mumps (238 confirmed and 23 probable) reported in Ontario. Case counts for 2017 are higher than the past eight years (Figure 1).

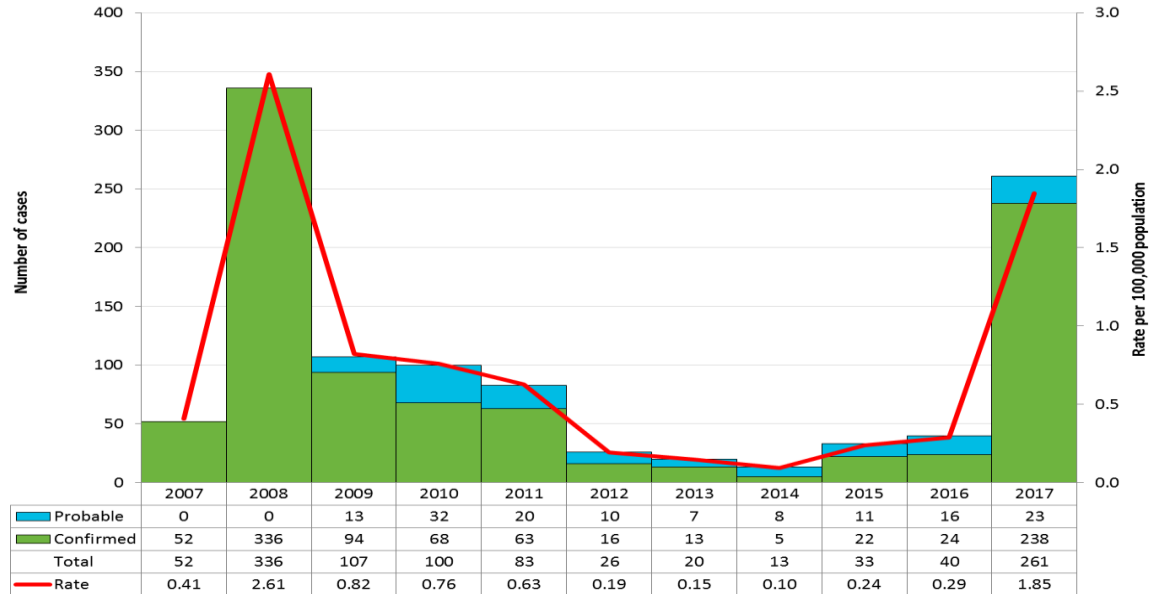
Case details

Symptom onset dates ranged from January 9 to December 10, 2017. Cases ranged in age from eight months to 80 years, with a median of 28 years; 144 (55.2%) were male. Thirty-one cases (11.9%) occurred in children under 18 years of age. Cases were reported from 22 different public health units, with the majority of cases reported from Toronto (54.0%) and Peel (10.7%).

Immunization status

Immunization status was unknown for 96 cases (36.8%). Of the 165 cases with known immunization status, 65 cases (39.4%) received two or more doses of measles, mumps, rubella (MMR) vaccine, 61 cases (37.0%) received one dose of MMR vaccine, and 39 cases (23.6%) 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 2 and 23 years (median 15 years).

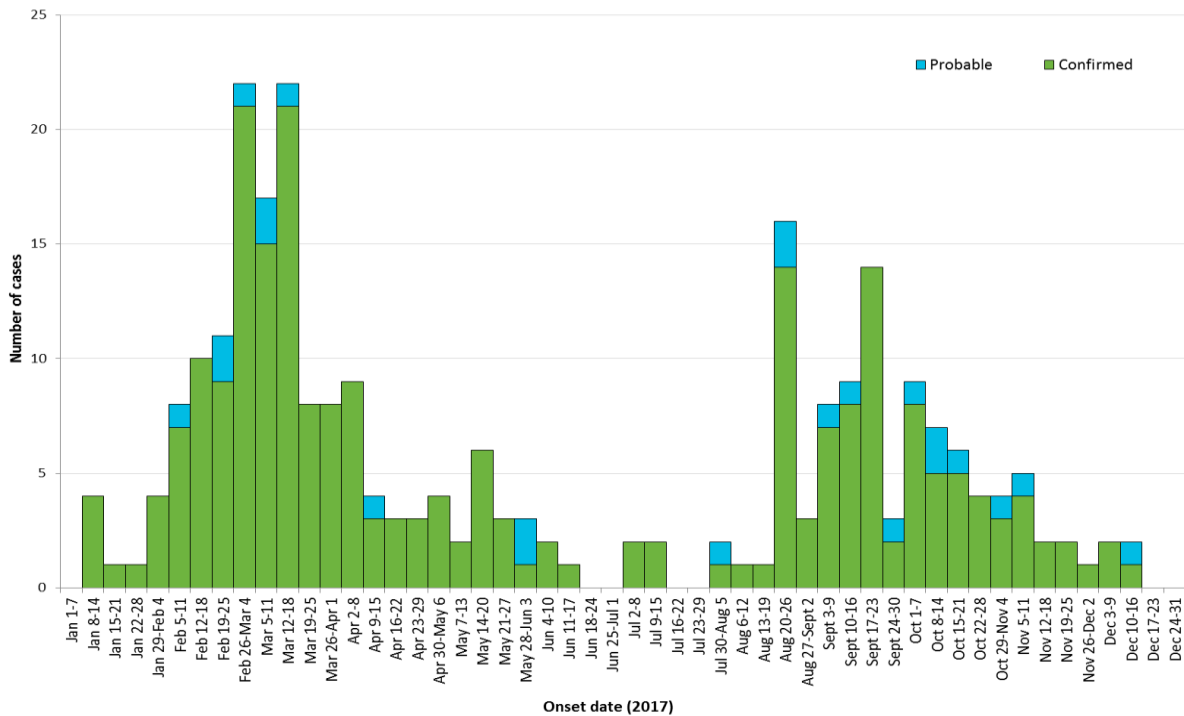
FIGURE 1. COUNTS AND RATES OF MUMPS CASES: ONTARIO, JANUARY 1, 2007 – DECEMBER 31, 2017



Data sources:

Population Estimates [2007-15] and Projection [2016-17]: MOHLTC, IntelliHEALTH ONTARIO, extracted [2016/09/02].
 Ontario Cases: MOHLTC, integrated Public Health Information System (iPHIS) database, extracted [2018/01/02].

FIGURE 2. COUNTS OF MUMPS CASES BY WEEK: ONTARIO, JANUARY 1, 2017 – DECEMBER 31, 2017



Data sources:

Ontario Cases: MOHLTC, integrated Public Health Information System (iPHIS) database, extracted [2018/01/02].