

Summary of Vaccine Preventable Diseases Reported to the Michigan Department of Health and Human Services, 2021

This is a summary of reported cases of selected vaccine-preventable diseases in Michigan in 2021. Totals for 2019-2020 are provided for comparison in the table on the final page.

Note: case totals presented here may vary somewhat from other publications owing to differences in date variables used. These totals are based on date of diagnosis, where available, or case report to the Michigan Disease Surveillance System (MDSS) and CDC-defined dates for the report year.

Congenital Rubella and Rubella – 3 cases of rubella were reported in 2021; of these, none were cases of congenital rubella.

***Haemophilus influenzae* Invasive disease** – There were 14 cases of invasive *H.influenzae* reported in 2021 in children under 15 years of age, ranging from newborn to 13 years. Of the cases where serotyping was successful, 1 was identified as type B.

Measles – 1 case of measles was reported in 2021.

Meningococcal disease – 6 cases of invasive meningococcal disease were reported in 2021, all in adults between 20 and 53 years of age. Serogrouping of cultured isolates was successful for 5 of the 6 cases; 3 were identified as group B and 2 as group C.

Mumps – 5 cases of mumps were reported in 2021. None met the case definition for a ‘confirmed’ case, and all are considered ‘probable’ by positive IgM serum test result.

Pertussis – There was a total of 41 cases of pertussis reported in 2021, compared to 157 pertussis cases reported in 2020, and 537 in 2019, a decline of over 70% each year. There were no reported outbreaks or deaths.

Tetanus – There was 1 reported case of tetanus in 2021.

Varicella – There were 178 cases of varicella (chickenpox) reported in 2021, with cases ranging in age from 3 months to 81 years. Of the reported cases, 27 were associated with outbreaks (6 reported), all occurring in school or daycare settings. 5 cases were admitted to the hospital.

Table 1. Reported cases of selected vaccine preventable diseases in Michigan, 2019-2021
(Confirmed and Probable cases unless otherwise noted).

Disease	Total Cases, 2021	Total Cases 2020	Total Cases 2019
Congenital Rubella	0	0	0
Diphtheria	0	0	0
<i>H. influenzae</i> invasive <15 years (serotype b)	14 (1)	11 (1)	24 (0)
Measles	1	0	46
Meningococcal disease	6	3	7
Mumps	5	4	29
Pertussis	41	157	537
Poliomyelitis	0	0	0
Rubella	5	1	0
Tetanus	1	0	1
Varicella	178	185	430