

*mi*Ottawa Department of  
**Public Health**

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**Vaccine Preventable Diseases  
in Ottawa County  
2021 Annual Report**

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# Vaccine Preventable Diseases in Ottawa County

## 2021

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This report provides a summary of select reportable vaccine preventable diseases (VPDs) in Ottawa County during 2021. The report includes counts of Confirmed and Probable cases for fifteen VPDs, most of which are rare in Ottawa County. See the Ottawa County Department of Public Health (OCDPH) [2021 Annual Summary of Reportable Diseases](#) for a more comprehensive summary of reportable diseases in Ottawa County. Because the 2021 Annual Summary of Reportable Diseases includes Confirmed, Probable, and Suspect cases, and the 2021 VPD report includes only Confirmed and Probable cases, the 2021 VPD report may have fewer cases reported for some diseases and years. Although vaccines are available for COVID-19, COVID-19 is not included in this report because extensive surveillance data is available elsewhere. Visit the OCDPH website for more information.

The fifteen VPDs included in this report are:

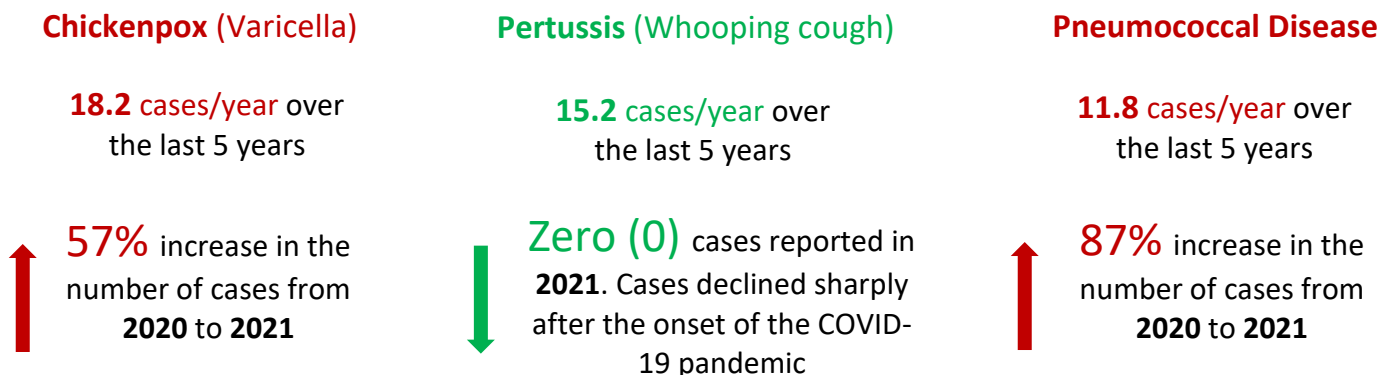
|                                  |                                   |
|----------------------------------|-----------------------------------|
| <b>Congenital Rubella</b>        | <b>Mumps</b>                      |
| <b>Chickenpox (Varicella)</b>    | <b>Pertussis (Whooping cough)</b> |
| <b>Diphtheria</b>                | <b>Pneumococcal disease</b>       |
| <b>Hepatitis A</b>               | <b>Polio</b>                      |
| <b>Hepatitis B (acute)</b>       | <b>Rubella</b>                    |
| <b>H. Influenzae, serotype b</b> | <b>Tetanus</b>                    |
| <b>Measles</b>                   | <b>Typhoid fever</b>              |
| <b>Meningococcal disease</b>     |                                   |

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### Five-Year VPD Case Counts and Trends

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Of the fifteen VPDs included in this report, eight had no reported cases over the past five years. Table 1 shows annual counts of the selected VPD cases over the last five years (2017 to 2021). The three most reported VPDs by their 5-year average were:



**Table 1. Number of Confirmed and Probable VPD Cases, Ottawa County, 2017-2021**

| <b>Vaccine Preventable Disease</b> | <b>2017</b> | <b>2018</b> | <b>2019</b> | <b>2020</b> | <b>2021</b> | <b>5-Year Total</b> | <b>5-Year Average</b> |
|------------------------------------|-------------|-------------|-------------|-------------|-------------|---------------------|-----------------------|
| Congenital Rubella                 | 0           | 0           | 0           | 0           | 0           | 0                   | 0.0                   |
| Chickenpox (Varicella)             | 14          | 27          | 14          | 14          | 22          | 91                  | 18.2                  |
| Diphtheria                         | 0           | 0           | 0           | 0           | 0           | 0                   | 0.0                   |
| Hepatitis A                        | 2           | 0           | 1           | 0           | 1           | 4                   | 0.8                   |
| Hepatitis B (acute)                | 0           | 2           | 1           | 0           | 0           | 3                   | 0.6                   |
| H. influenzae, serotype b          | 0           | 0           | 0           | 0           | 0           | 0                   | 0.0                   |
| Measles                            | 0           | 0           | 0           | 0           | 0           | 0                   | 0.0                   |
| Meningococcal Disease              | 0           | 0           | 0           | 0           | 0           | 0                   | 0.0                   |
| Mumps                              | 3           | 0           | 0           | 1           | 0           | 4                   | 0.8                   |
| Pertussis (Whooping cough)         | 32          | 20          | 19          | 5           | 0           | 76                  | 15.2                  |
| Pneumococcal disease               | 16          | 10          | 10          | 8           | 15          | 59                  | 11.8                  |
| Polio                              | 0           | 0           | 0           | 0           | 0           | 0                   | 0.0                   |
| Rubella                            | 0           | 0           | 0           | 0           | 0           | 0                   | 0.0                   |
| Tetanus                            | 0           | 0           | 0           | 0           | 0           | 0                   | 0.0                   |
| Typhoid fever                      | 0           | 0           | 1           | 0           | 0           | 1                   | 0.2                   |