

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

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## **Vaccine Preventable Diseases in Ottawa County**

### **2022 Annual Report**

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# Vaccine Preventable Diseases in Ottawa County

## 2022

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Vaccine Preventable Diseases (VPDs) are conditions caused by bacteria and viruses that can be prevented or mitigated by vaccines. This report provides a summary of select reportable VPDs in Ottawa County during 2022. The report includes counts of confirmed and probable cases for fifteen VPDs, most of which are rare in Ottawa County. The [2022 Annual Summary of Reportable Diseases](#) provides a more comprehensive summary of reportable diseases in Ottawa County, and includes confirmed, probable and suspect cases of VPDs. Because of this, the 2022 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 Weekly Respiratory Illness Surveillance Report](#) for more COVID-19 information specific to Ottawa County.

The fifteen VPDs included in this report are:

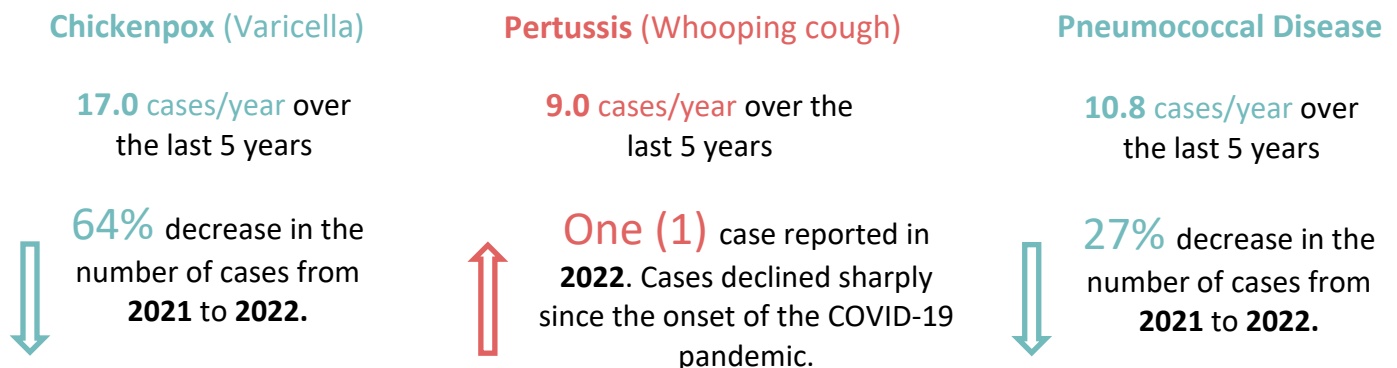
- |                                  |                                   |
|----------------------------------|-----------------------------------|
| <b>Congenital Rubella</b>        | <b>Mumps</b>                      |
| <b>Chickenpox (Varicella)</b>    | <b>Pertussis (Whooping cough)</b> |
| <b>Diphtheria</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 (2018 to 2022). The three most reported VPDs by their 5-year average were:



**Table 1. Number of Confirmed and Probable VPD Cases, Ottawa County, 2018-2022**

<b>Vaccine Preventable Disease</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>5-Year Total</b>	<b>5-Year Average</b>
Congenital Rubella	0	0	0	0	0	0	0.0
Chickenpox (Varicella)	27	14	14	22	8	85	17.0
Diphtheria	0	0	0	0	0	0	0.0
Hepatitis A	0	1	0	1	0	2	0.4
Hepatitis B (acute)	2	1	0	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	0	0	1	0	0	1	0.2
Pertussis (Whooping cough)	20	19	5	0	1	45	9.0
Pneumococcal disease	10	10	8	15	11	54	10.8
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	1	0	0	0	1	0.2