



Communicable Disease Report

Summit County

December, 2021



Public Health
Prevent. Promote. Protect.

Monthly Highlights/Observations:

1. Tuberculosis- No new suspected cases of TB were reported in December, and 34 contacts from previous cases continue to be investigated. SCPH CDU currently provides direct observed therapy (DOT) to 4 cases; two DOT cases were closed in December. DOT clients receive daily to monthly visits via FaceTime calls depending on side effects and where client is in treatment. All cases are complex, which requires collaboration and coordination between multiple agencies and external community services.

The Communicable Disease Unit investigated 96 communicable disease cases: 5 cases of CP-CRE, 1 case of *Haemophilus influenzae* infection, 47 cases of chronic hepatitis B, 1 case of perinatal hepatitis C, 2 influenza A hospitalization case, 2 cases of legionellosis, 5 cases of Lyme disease, 1 case MIS-C, 1 cases of pertussis, 1 cases of streptococcal disease Group A invasive, 7 cases of *Streptococcus pneumoniae*, 5 cases of varicella infection, and 19 enteric cases (1 campylobacteriosis, 2 cases *E. coli* infection, 5 giardiasis, 4 hepatitis A, 2 *Salmonella typhi* infection, 4 salmonellosis, and 1 shigellosis) in November. **Note:** *Since some reported cases end up being classified as "Not A Case" in ODRS, the investigation case totals may exceed the counts in the table.*

2. Outbreaks: 61 COVID-19 outbreaks were reported to the CDU in December, occurring in long term care, day cares, workplaces, rehabilitation, correctional, and K-12 schools settings. Four non-COVID-19 outbreaks were investigated in December, and were associated child care and long term care settings.

COVID-19: There were 21,114 confirmed or probable cases of COVID-19 reported in Summit County, all were investigated by the CDU staff. Investigation of COVID-19 cases includes (but is not limited to) patient interviews, contact tracing, and follow up with healthcare providers and employers. A preliminary total of 359,893 COVID-19 cases were reported in Ohio in December. COVID-19 information, a weekly COVID-19 report, and a dashboard with data for Summit County can be accessed here: <https://www.scph.org/covid>

3. Epicenter: Epicenter is an electronic surveillance system which provides instant notification of unusual symptomatic activity at local Emergency Departments. 17 Epicenter alerts were issued during December for the following communicable disease symptoms: Hypoxia (3), Fever (3), Cough (3), Ears, Nose and Throat (2), Constitutional (2), Headache (1), Nausea (1), Diarrhea - Not Water/Bloody (1), and Respiratory (1). These alerts were investigated and were determined to be related to COVID-19 and seasonal illness activity.

4. Influenza Surveillance: Surveillance for the 2021-2022 influenza season began on October 3, 2021; the first report was issued on October 22. Influenza activity in December was low: there were 245 positive flu tests (242 type A and 3 type B) and 23 hospitalizations at reporting Summit County labs and hospitals. Data from the 2019-20 and previous influenza seasons are available in an influenza dashboard, which is located on the SCPH website: <https://www.scph.org/dashboards> Weekly influenza reports for the 2021-22 season and previous seasons may be accessed here: <https://www.scph.org/flu-surveillance-reports>

5. Vector-borne Surveillance: Vector borne surveillance ended on October 23, 2021 and the final report was issued on October 29. Copies of the reports for 2021 and previous years may be accessed at: <https://www.scph.org/vector-surveillance-reports>

Communicable Disease Reports Received, December 2021

Reportable Condition	Dec 2021	Nov 2021	Year-to-Date 2021	Year-to-Date 2020
Amebiasis	0	0	2	0
Babesiosis	0	0	1	1
Botulism - infant	0	0	1	0
Botulism, food borne	0	0	0	0
Brucellosis	0	0	1	1
COVID-19	21,114	7,779	63,892	28,803
CP-CRE	5	2	25	34
Campylobacteriosis	1	1	61	67
Chlamydia infection	233	221	2,984	3,075
Cholera	0	0	0	0
Coccidioidomycosis	0	0	3	1
Creutzfeld-Jakob Disease	0	0	0	0
Cryptosporidiosis	0	0	16	11
Cyclosporiasis	0	0	10	7
Dengue	0	0	0	0
<i>E. coli</i> , Shiga Toxin-Producing (O157:H7, Not O157, Unknown Serotype)	2	0	17	16
Ehrlichiosis/ anaplasmosis	0	0	2	1
Giardiasis	8	10	54	32
Gonococcal infection	160	127	1,748	1,891
<i>Haemophilus influenzae</i> infection	1	0	3	6
Hantavirus infection	0	0	0	0
Hemolytic uremic syndrome (HUS)	0	0	0	0
Hepatitis A	2	2	16	28
Hepatitis B - acute	0	2	11	13
Hepatitis B - chronic	22	11	130	94
Hepatitis B - perinatal (see Notes on page 3)	2	0	12	14
Hepatitis C- acute	0	1	4	6
Hepatitis C- chronic	34	35	478	502
Hepatitis C - perinatal infection	0	0	2	3
Hepatitis E	0	0	0	0
HIV/AIDS	2	4	52	48
Influenza - ODH Lab Results	9	3	12	6
Influenza-associated hospitalization	2	1	3	566
Influenza-associated pediatric mortality	0	0	0	1
LaCrosse virus disease	0	0	2	2
Legionellosis	2	4	30	37
Listeriosis	0	2	5	3
Lyme Disease	5	4	86	44
MIS-C associated with COVID-19	1	1	18	2
Malaria	0	0	2	0
MERS	0	0	0	0
Measles	0	0	0	0
Meningitis - aseptic/viral	0	2	8	13
Meningitis-bacterial (Not <i>N. meningitidis</i>)	0	0	4	5

Communicable Disease Reports Received, December 2021

Reportable Condition	Dec 2021	Nov 2021	Year-to-Date 2021	Year-to-Date 2020
Meningococcal disease- <i>Neisseria meningitidis</i>	0	0	0	0
Mumps	0	0	0	1
Other arthropod-borne disease	0	0	1	0
Pertussis	0	3	10	6
Powassan virus disease	0	0	0	0
Psittacosis	0	0	0	0
Q Fever	0	0	2	0
Rubella	0	0	0	0
<i>Salmonella typhi</i>	1	0	1	2
Salmonellosis	4	7	50	69
Shigellosis	2	0	13	5
Spotted fever rickettsiosis, including RMSF	0	0	1	0
<i>Staphylococcal aureus</i> - intermediate resistance to vancomycin (VISA)	0	0	0	0
Streptococcal - Group A invasive	1	5	30	24
Streptococcal - Group B in newborn	0	0	2	6
Streptococcal toxic shock syndrome (STSS)	0	0	2	1
<i>Streptococcus pneumoniae</i> - invasive - unknown resistance	4	5	18	28
<i>Streptococcus pneumoniae</i> - invasive - resistant	3	2	9	8
Syphilis - all stages	9	10	192	124
Toxic Shock Syndrome (TSS)	0	0	0	0
Trichinellosis	0	0	0	0
Tuberculosis	0	0	10	12
Tularemia	0	0	0	0
Typhoid fever	0	0	0	0
Varicella	1	0	7	6
Vibriosis (not cholera)	0	0	1	1
West Nile virus infection	0	0	1	0
Yersiniosis	0	1	10	10
Zika virus infection	0	0	0	0
Total	21,630	8,245	70,055	35,636

Notes:

1) This report includes the number of reports of disease received and investigated by Summit County Public Health (SCPH). This includes all reports that were determined to be probable, suspected, or confirmed. Based on case investigation, clinical diagnoses, IDCM case definitions, and lab results, the case status may change. NR = not reported in previous year.

2) The Total Year-to-Date column reflects all cases of disease where SCPH is identified as the local health department in the Ohio Disease Reporting System (ODRS) as of the date that data was extracted. This includes the cases of disease entered into ODRS after last month's report was generated which will now be included in the Previous Month Revised column. Data may also vary in response to recent changes in data extraction and analysis. Because case classifications can change over time, monthly figures should not be considered final until the annual report is complete.

3) The number of perinatal hepatitis B cases reflect the number of infants born to hepatitis B positive mothers during the reporting period. These infants will be followed by the Perinatal Hepatitis B Prevention Program (PHBPP) until serology indicates that the child has immunity.

For questions or comments about this report, please contact Joan Hall, MPH at (330) 926-5746 or the Communicable Disease Unit at (330) 375-2662. This report was issued on January 7, 2022.