



Communicable Disease Report Summit County October, 2021



Monthly Highlights/Observations:

1. Tuberculosis- Two new suspected cases of TB were reported in October, and 25 contacts from previous cases continue to be investigated. SCPH CDU currently provides direct observed therapy (DOT) to 7 cases; 1 DOT case was initiated and one was closed in October. 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 62 communicable disease cases: 1 case of aseptic meningitis, 2 cases brucellosis, 2 cases coccidiomycosis, 3 cases of CP-CRE, 19 cases of hepatitis B (1 acute, 18 chronic), 1 case of hepatitis C, 5 cases of legionellosis, 4 cases of Lyme disease, 1 case of pertussis, 1 case of suspected rubella, 2 cases of streptococcal disease Group B, 4 cases of varicella infection, and 22 enteric cases (8 campylobacteriosis, 1 cryptosporidiosis, 4 giardiasis, 6 salmonellosis, 2 shigellosis and 1 vibriosis) in October. **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: 42 COVID-19 outbreaks were reported to the CDU in October, occurring in long term care, day cares, workplaces, schools, and healthcare settings. Two non-COVID-19 outbreaks were investigated in October, and were associated with child care settings.

COVID-19: There were 5,091 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 121,999 COVID-19 cases were reported in Ohio in October. 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. Three Epicenter alerts were issued during October for the following communicable disease symptoms: Eyes (1), Headache (1), and Lymphadenitis (1). These alerts were investigated and were not of public concern.

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 October was minimal, with 3 positive flu tests (Type A) and one hospitalization 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> Archived weekly influenza reports for the 2020-21 season 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. For the 2021 season, there were 61 tests for human West Nile virus (or arbovirus panels) ordered at Summit County hospitals, none of which were positive. Environmental testing was completed on 1,462 mosquito pooled samples collected in Summit County, 35 were positive for WNV. There were 847 Lyme disease tests ordered at Summit County hospitals, with 155 positive results. Copies of the reports for 2021 and previous years may be accessed at: <https://www.scph.org/vector-surveillance-reports>

Communicable Disease Reports Received, October 2021

Reportable Condition	Oct 2021	Sept 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	1	0	1	1
COVID-19	5,091	5,692	35,010	7830
CP-CRE	4	6	20	1
Campylobacteriosis	9	5	59	57
Chlamydia infection	307	214	2,530	2,610
Cholera	0	0	0	0
Coccidioidomycosis	1	0	3	1
Creutzfeld-Jakob Disease	0	0	0	0
Cryptosporidiosis	1	2	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)	1	3	15	16
Ehrlichiosis/ anaplasmosis	0	0	2	1
Giardiasis	5	3	36	28
Gonococcal infection	164	107	1,461	1563
<i>Haemophilus influenzae</i> infection	0	1	2	6
Hantavirus infection	0	0	0	0
Hemolytic uremic syndrome (HUS)	0	0	0	0
Hepatitis A	0	1	12	25
Hepatitis B - acute	1	0	9	10
Hepatitis B - chronic	30	16	108	88
Hepatitis B - perinatal (see Notes on page 3)	1	0	11	10
Hepatitis C- acute	0	0	3	4
Hepatitis C- chronic	51	35	411	430
Hepatitis C - perinatal infection	0	0	2	2
Hepatitis E	0	0	0	0
HIV/AIDS	6	9	46	41
Influenza - ODH Lab Results	0	0	0	6
Influenza-associated hospitalization	0	0	0	566
Influenza-associated pediatric mortality	0	0	0	1
LaCrosse virus disease	0	0	2	2
Legionellosis	1	0	24	28
Listeriosis	0	1	3	3
Lyme Disease	4	6	77	38
MIS-C associated with COVID-19	0	0	16	0
Malaria	0	1	2	0
MERS	0	0	0	0
Measles	0	0	0	0
Meningitis - aseptic/viral	1	0	6	11
Meningitis-bacterial (Not <i>N. meningitidis</i>)	0	0	4	3

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Reportable Condition	Oct 2021	Sept 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	1	1	7	5
Powassan virus disease	0	0	0	0
Psittacosis	0	0	0	0
Q Fever	0	1	2	0
Rubella	0	0	0	0
<i>Salmonella typhi</i>	0	0	0	1
Salmonellosis	5	5	39	56
Shigellosis	2	0	11	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	24	24
Streptococcal - Group B in newborn	1	0	2	4
Streptococcal toxic shock syndrome (STSS)	0	0	2	1
<i>Streptococcus pneumoniae</i> - invasive - unknown resistance	0	1	9	26
<i>Streptococcus pneumoniae</i> - invasive - resistant	0	0	4	7
Syphilis - all stages	15	18	173	90
Toxic Shock Syndrome (TSS)	0	0	0	0
Trichinellosis	0	0	0	0
Tuberculosis	0	3	7	10
Tularemia	0	0	0	0
Typhoid fever	0	0	0	0
Varicella	0	0	6	4
Vibriosis (not cholera)	0	0	1	1
West Nile virus infection	0	1	1	0
Yersiniosis	0	0	9	8
Zika virus infection	0	0	0	0
Total	5,704	6,137	40,204	13,644

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 November 5, 2021.