



# Communicable Disease Report

## Summit County

### December, 2020



#### 1. Monthly Highlights/Observations:

**Tuberculosis-** Two suspected cases of TB were reported and investigated in December. SCPH CDU continued to investigate local contacts for one TB case that was confirmed in 2017, and continued evaluation of six suspected cases. SCPH CDU currently provides direct observed therapy (DOT) to 7 cases (4 cases of pulmonary TB, 2 extra pulmonary cases and 1 pulmonary / extra pulmonary). In December, 4 cases were closed and one was transferred to another jurisdiction. DOT clients receive daily to monthly visits 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 CDU also investigated 1 case of CP-CRE, 2 cases of hepatitis B, 3 cases legionellosis, 1 case of Lyme disease, 1 case of MIS-C associated with COVID-19, 1 case of pertussis, 1 case of varicella infection, 1 case of viral / aseptic meningitis, and 16 enteric cases (7 campylobacteriosis, 3 giardiasis, 1 *S. typhi*, 3 salmonellosis, and 2 yersiniosis) in December.

**2. Outbreaks:** 25 COVID-19 outbreaks were reported to the CDU in December, and were associated with long term care facilities, work environments, and day cares / preschools.

**COVID-19:** There were 12,318 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 238,924 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. Eight Epicenter alerts were issued during December for the following communicable disease symptom: Diarrhea - Not Watery or Bloody (2), Paralysis (2), Edema (2), and Lymphadenitis (2). These alerts were investigated and were determined to be either associated with the surge of COVID-19 cases this month or not to be a public health concern. Epicenter was inactivated and replaced by the ESSENCE Surveillance System on January 1, 2021.

**4. Influenza Surveillance:** Surveillance for the 2020-2021 influenza season began on October 4, and the initial reports were issued on October 30. Influenza activity in December was minimal, with 1 positive flu test (Type B) and zero hospitalizations at reporting Summit County labs and hospitals. Data from the 2020-2021 season and previous seasons are available in an influenza dashboard, which is located on the SCPH website: <https://www.scph.org/dashboards> Weekly influenza reports may be accessed here: <https://www.scph.org/flu-surveillance-reports>

**5. Vector-borne Surveillance:** Vector borne surveillance ended on October 24, 2020, and the final report was issued on November 5. Copies of the reports for 2020 and previous years may be accessed at: <https://www.scph.org/vector-surveillance-reports>

## Communicable Disease Reports Received, December 2020

Reportable Condition	Dec 2020	Nov 2020	Year-to-Date 2020	Year-to-Date 2019
Amebiasis	0	0	0	0
Babesiosis	0	0	1	0
Botulism - infant	0	0	0	0
Botulism, food borne	0	0	0	0
Brucellosis	0	0	1	1
COVID-19	<b>12,318</b>	8,592	<b>28,803</b>	NR
CP-CRE	1	2	34	25
Campylobacteriosis	7	3	67	121
Chlamydia infection	219	245	3,075	3,484
Cholera	0	0	0	0
Coccidioidomycosis	0	0	1	1
Creutzfeld-Jakob Disease	0	0	0	1
Cryptosporidiosis	0	0	11	30
Cyclosporiasis	0	0	7	8
Dengue	0	0	0	0
<i>E. coli</i> , Shiga Toxin-Producing (O157:H7, Not O157, Unknown Serotype)	0	0	16	35
Ehrlichiosis/ anaplasmosis	0	0	1	2
Giardiasis	3	1	32	50
Gonococcal infection	165	164	1,891	1290
<i>Haemophilus influenzae</i> infection	0	0	6	29
Hantavirus infection	0	0	0	0
Hemolytic uremic syndrome (HUS)	0	0	0	1
Hepatitis A	0	3	28	183
Hepatitis B - acute	1	1	13	35
Hepatitis B - chronic	1	6	94	133
Hepatitis B - perinatal (see Notes on page 3)	2	2	14	15
Hepatitis C- acute	1	0	6	32
Hepatitis C- chronic	38	39	502	608
Hepatitis C - perinatal infection	0	1	3	5
Hepatitis E	0	0	0	0
HIV/AIDS	1	6	48	53
Influenza - ODH Lab Results	0	0	6	4
Influenza-associated hospitalization	0	0	566	591
Influenza-associated pediatric mortality	0	0	1	0
LaCrosse virus disease	0	0	2	0
Legionellosis	3	6	37	46
Listeriosis	0	0	3	3
Lyme Disease	1	5	44	33
MIS-C associated with COVID-19	2	0	2	NR
Malaria	0	0	0	2
MERS	0	0	0	0
Measles	0	0	0	1
Meningitis - aseptic/viral	1	1	13	22
Meningitis-bacterial (Not <i>N. meningitidis</i> )	2	0	5	4

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Reportable Condition	Dec 2020	Nov 2020	Year-to-Date 2020	Year-to-Date 2019
Meningococcal disease- <i>Neisseria meningitidis</i>	0	0	0	0
Mumps	0	0	1	2
Pertussis	1	0	6	52
Powassan virus disease	0	0	0	0
Psittacosis	0	0	0	0
Q Fever	0	0	0	1
Rubella	0	0	0	0
<i>Salmonella typhi</i>	1	0	2	NR
Salmonellosis	3	10	69	65
Shigellosis	0	0	5	20
Spotted fever rickettsiosis, including RMSF	0	0	0	4
<i>Staphylococcal aureus</i> - intermediate resistance to vancomycin (VISA)	0	0	0	1
Streptococcal - Group A invasive	0	0	24	41
Streptococcal - Group B in newborn	0	2	6	5
Streptococcal toxic shock syndrome (STSS)	0	0	1	1
<i>Streptococcus pneumoniae</i> - invasive - unknown resistance	1	1	28	36
<i>Streptococcus pneumoniae</i> - invasive - resistant	1	0	8	17
Syphilis - all stages	17	17	124	57
Toxic Shock Syndrome (TSS)	0	0	0	0
Trichinellosis	0	0	0	0
Tuberculosis	0	0	12	9
Tularemia	0	0	0	0
Typhoid fever	0	0	0	0
Varicella	1	1	6	8
Vibriosis (not cholera)	0	0	1	3
West Nile virus infection	0	0	0	0
Yersiniosis	2	0	10	14
Zika virus infection	0	0	0	0
<b>Total</b>	<b>12,793</b>	<b>9,108</b>	<b>35,636</b>	<b>7,184</b>

**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, epidemiological 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 time period indicated. 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 13, 2021.*