



# Communicable Disease Report Summit County January, 2020



## 1. Monthly Highlights/Observations:

**Tuberculosis-** Four suspected cases of TB were investigated in January, and all four are pending until doctor's final determination or lab results are completed. SCPH CDU continued to investigate local contacts for four TB cases that were confirmed in 2018 and 2019. SCPH CDU currently provides direct observed therapy (DOT) to 12 cases (8 cases of pulmonary TB and 4 extra pulmonary cases). In January, two pulmonary DOT cases were initiated. DOT clients receive daily to monthly visits depending on side effects and where client is in treatment. All cases are complex and require resources (including obtaining the medications, collecting sputum samples), which requires collaboration and coordination between multiple agencies and external community services.

The CDU also investigated 13 cases of hepatitis B, 2 *Haemophilis influenzae*, 1 Lyme disease, 3 Legionnaire's disease, 1 ehrlichiosis, 1 babesiosis, 1 mumps, 4 aseptic/viral meningitis, and 4 carbapenem resistant enterobacteriaceae (CP-CRE). 23 enteric cases (9 campylobacteriosis, 4 cryptosporidiosis, 2 *E. coli* (Shiga Toxin-Producing), 5 hepatitis A, 1 *Salmonella typhae* infection, 2 salmonellosis, 1 vibriosis, and 3 yersiniosis) were investigated in January.

**2. Outbreaks:** One norovirus outbreak was reported to the CDU in January.

**Hepatitis A Community Outbreak:** Although hepatitis A activity has decreased in Ohio and in Summit County, the Ohio Department of Health has not yet declared the end of the statewide outbreak. As of February 3, the Ohio Department of Health reported 3,480 hepatitis A cases linked to the statewide outbreak in 2018-20. As of January 31, 2019, there were 199 reported hepatitis A cases in Summit County in 2018 through 2020, 152 of which were linked to the outbreak. SCPH continued preventative action by offering the combined hepatitis A/B vaccine (Twinrix) at needle exchange sites in January.

**Novel Coronavirus:** There were no confirmed cases of 2019-nCoV reported in Summit County in January.

**3. Epicenter:** Epicenter is an electronic surveillance system which provides instant notification of unusual symptomatic activity at local Emergency Departments. 20 Epicenter alerts were issued during January for the following communicable disease symptoms: Diarrhea - Watery/Bloody (6), Botulinic (5), Vision (4), Vomiting (2), Congestion (1), Edema (1), and Fever (1). These alerts were investigated and determined to be either not of public health concern or due to seasonal illness. There was one Class A alert anomaly reported for measles, this was determined to be Not A Case.

**4. Influenza Surveillance:** Surveillance for the 2019-2020 influenza season began on October 6, and the initial report was issued on October 25. Influenza activity in continued to increase in January, with 1924 positive flu tests (808 type A and 1116 type B) and 202 reported influenza related hospitalizations at Summit County hospitals. Surveillance data from the 2019-2020 season and previous seasons are be available in an influenza dashboard, which is located on the SCPH website: <https://www.scph.org/dashboards> The weekly influenza report may be accessed here: <https://www.scph.org/flu-surveillance-reports>

**5. Vector-borne Surveillance:** Vector borne disease surveillance ended on October 26, 2019, and the final report was issued on November 5. Surveillance for the 2020 season will begin in late May. Copies of the reports may be accessed at: <https://www.scph.org/vector-surveillance-reports>

## Communicable Disease Reports Received, January 2020

Reportable Condition	January 2020	December 2019	Year-to- Date 2020	Year-to- Date 2019
Amebiasis	0	0	0	0
Babesiosis	1	0	1	0
Botulism - infant	0	0	0	0
Botulism, food borne	0	0	0	0
Brucellosis	0	0	0	0
CP-CRE	4	2	4	0
Campylobacteriosis	9	8	9	5
Chlamydia infection	306	255	306	288
Cholera	0	0	0	0
Coccidioidomycosis	0	1	0	0
Creutzfeld-Jakob Disease	0	0	0	0
Cryptosporidiosis	4	2	4	1
Cyclosporiasis	0	0	0	0
Dengue	0	0	0	0
<i>E. coli</i> , Shiga Toxin-Producing (O157:H7, Not O157, Unknown Serotype)	2	3	2	1
Ehrlichiosis/ anaplasmosis	1	0	1	0
Giardiasis	0	2	0	1
Gonococcal infection	127	115	127	86
<i>Haemophilus influenzae</i> infection	2	2	2	3
Hantavirus infection	0	0	0	0
Hemolytic uremic syndrome (HUS)	0	0	0	0
Hepatitis A	5	5	5	7
Hepatitis B - acute	1	1	1	7
Hepatitis B - chronic	12	6	12	8
Hepatitis B - perinatal (see Notes on page 3)	0	5	0	2
Hepatitis C- acute	1	2	1	1
Hepatitis C- chronic	53	42	53	49
Hepatitis C - perinatal infection	0	0	0	1
Hepatitis E	0	0	0	0
HIV/AIDS	8	0	8	4
Influenza - ODH Lab Results	0	0	0	1
Influenza-associated hospitalization	164	55	164	60
Influenza-associated pediatric mortality	0	0	0	0
LaCrosse virus disease	0	0	0	0
Legionellosis - Legionnaires' Disease	3	4	3	2
Listeriosis	0	0	0	1
Lyme Disease	2	1	2	1
Malaria	0	0	0	0
MERS	0	0	0	0
Measles	0	0	0	0
Meningitis - aseptic/viral	4	0	4	1
Meningitis-bacterial (Not <i>N. meningitidis</i> )	0	0	0	0
Meningococcal disease- <i>Neisseria meningitidis</i>	0	0	0	0

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Reportable Condition	January 2020	December 2019	Year-to- Date 2020	Year-to- Date 2019
Mumps	1	0	1	0
Other arthropod-borne disease	0	0	0	0
Pertussis	0	1	0	18
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	1	0
Salmonellosis	2	6	2	4
Shigellosis	0	0	0	1
Spotted fever rickettsiosis, including RMSF	0	0	0	0
<i>Staphylococcal aureus</i> - intermediate resistance to vancomycin (VISA)	0	0	0	0
Streptococcal - Group A invasive	2	4	2	5
Streptococcal - Group B in newborn	0	0	0	0
Streptococcal toxic shock syndrome (STSS)	0	0	0	0
<i>Streptococcus pneumoniae</i> - invasive - unknown resistance	7	7	7	6
<i>Streptococcus pneumoniae</i> - invasive - resistant	4	3	4	1
Syphilis - all stages	9	4	9	4
Toxic Shock Syndrome (TSS)	0	0	0	0
Trichinellosis	0	0	0	0
Tuberculosis	0	1	0	0
Tularemia	0	0	0	0
Typhoid fever	0	0	0	0
Varicella	2	0	2	0
Vibriosis (not cholera)	0	1	0	0
West Nile virus infection	0	0	0	0
Yersiniosis	0	2	0	1
Zika virus infection	0	0	0	0
<b>Total</b>	<b>737</b>	<b>540</b>	<b>737</b>	<b>571</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.

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 February 7, 2020.*