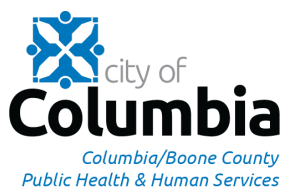


2018

BOONE COUNTY,
MISSOURI

COMMUNICABLE DISEASE
SUMMARY

Columbia/Boone County
Department of Public Health and
Human Services



Published June 2019

Boone County
Communicable Disease Summary
2018

The Missouri Department of Health and Senior Services (DHSS), under reporting rule 19 CSR 20-20.020, designates which diseases, disabilities, conditions and findings that must be reported to the local health authority or the DHSS. In compliance with this rule, data used for this report was collected from multiple sources, including medical providers, laboratories, and hospitals. Both timely reporting and rapid investigations are important for identifying possible outbreaks, assuring appropriate preventive treatment and education, and guiding the planning and evaluation of disease prevention and control programs.

In 2018, Columbia/Boone County Public Health and Human Services Department (PHHS) had 750 confirmed reportable communicable diseases, excluding influenza and STDs. Influenza and STD data are addressed in separate reports available on the PHHS website: <https://www.como.gov/health/about-us/reports/>. The number of reported cases of communicable diseases may not represent the true total number of cases that occur in a county. Diseases with milder symptoms, such as gastrointestinal, may go undiagnosed and unreported either because the ill person may not see a doctor, or the doctor may treat without a lab confirmation. Diseases which cause severe symptoms, such as botulism, are more likely to be diagnosed and reported. Furthermore, some conditions, such as animal bites, do not require lab confirmation and often the person bitten does not seek medical care.

Table 1 lists the 2018 confirmed case counts for Boone County, and Table 2 shows the confirmed communicable diseases reported in Boone County from 2014-2018 along with the five year trend.

A list of all the diseases and conditions reportable in Missouri can be found on the Missouri Department of Health and Senior Services web site: <http://health.mo.gov/living/healthcondiseases/communicable/communicabledisease/pdf/reportablediseaselist2.pdf>.

19 CSR 20-20 can be found at the following site: <https://s1.sos.mo.gov/cmsimages/adrules/csr/current/19csr/19c20-20.pdf>.

Table 1: 2018 Boone County, Missouri Communicable Disease Summary

Reported Cases of Communicable Diseases*

Boone County, Missouri 2018

DISEASE/CONDITION	Reported Cases Counts*
ANIMAL BITES	298
BRUCELLOSIS	0
CAMPYLOBACTERIOSIS	42
COCCIDIOIDOMYCOSIS	0
CRYPTOSPORIDIOSIS	12
CYCLOSPORIASIS	4
E COLI SHIGA TOXIN POSITIVE	19
E. COLI O157 H7	3
EHRlichia ANAPLASMOSIS UNDETERMINED	3
EHRlichia CHAFFEENSIS	5
GIARDIASIS	13
HAEMOPHILUS INFLUENZAE, INVASIVE	5
HEPATITIS A ACUTE	1
HEPATITIS B (PREGANCY) PRENATAL	4
HEPATITIS B ACUTE	0
HEPATITIS B CHRONIC INFECTION	14
HEPATITIS C ACUTE	1
HEPATITIS C CHRONIC INFECTION	78
LEGIONELLOSIS	2
LISTERIOSIS	0
MALARIA	1
MOTT (MYCOBACTERIUM OTHER THAN TUBERCULOSIS)	46
MUMPS	1
NEUROINVASIVE WEST NILE	1
PERTUSSIS	2
RABIES ANIMAL	3
RABIES POST EXPOSURE PROPHYLAXIS	28
ROCKY MOUNTAIN SPOTTED FEVER	12
SALMONELLOSIS	44
SHIGELLOSIS	9
STAPH AUREUS VISA	0
STREP PNEUMONIAE INVASIVE	15
TOXIC SHOCK (STREP) SYNDROME	1
TUBERCULOSIS DISEASE	3
TUBERCULOSIS INFECTION	71
TULAREMIA	1
VARICELLA (CHICKEN POX)	3
YERSINIOSIS	4
VIBRIOSIS	0
ZIKA	1
TOTAL	750

**Excludes reported STDs (gonorrhea, chlamydia, syphilis and HIV) and influenza cases.*

Table 2: 2014-2018 Reported Diseases/Conditions Boone County With 5 Year Mean

DISEASE/CONDITION	2014	2015	2016	2017	2018	5 YR Mean
ANAPLASMA PHAGOCYTOPHILUM	1	1	0	0	0	0.4
ANIMAL BITES	267	297	258	247	298	273.4
BRUCELLOSIS	0	0	1	1	0	0.4
CAMPYLOBACTERIOSIS	23	25	47	48	42	37
CHIKUNGUNYA	1	1	0	0	0	0.4
COCCIDIOIDOMYCOSIS	0	2	1	1	0	0.8
CREUTZFELDT-JAKOB DISEASE (CJD)	0	0	0	0	0	0
CRYPTOSPORIDIOSIS	8	13	22	23	12	15.6
CYCLOSPORIASIS	0	0	2	5	4	2.2
DENGUE FEVER	0	0	0	0	0	0
E COLI SHIGA TOXIN POSITIVE	3	9	10	12	19	10.6
E. COLI O157 H7	1	3	11	10	3	5.6
EHRlichia CHAFFEENSIS	10	3	4	5	5	5.4
EHRlichia EWINGII	0	0	0	0	0	0
EHRlichIOSIS ANAPLASMOSIS UNDETERMINED	2	1	0	5	3	2.2
GIARDIASIS	11	19	19	18	13	16
HAEMOPHILUS INFLUENZAE, INVASIVE	3	4	4	2	5	3.6
HEMOLYTIC UREMIC SYNDROME	0	1	3	0	0	0.8
HEPATITIS B (PREGNANCY) PRENATAL	6	10	2	11	4	6.6
HEPATITIS B ACUTE	0	1	1	1	0	.6
HEPATITIS B CHRONIC INFECTION	12	22	14	18	14	16
HEPATITIS C ACUTE	1	0	2	0	1	0.8
HEPATITIS C CHRONIC INFECTION	148	107	101	101	78	107
LEGIONELLOSIS	2	2	0	2	2	1.6
LEPTOSPIROSIS	0	0	0	0	0	0
LISTERIOSIS	0	1	0	2	0	0.6
LYME	3	0	0	0	0	0.6
MALARIA	0	1	0	4	1	1.2
MENINGOCOCCAL DISEASE	0	1	1	0	0	0.4
MOTT	40	25	28	53	46	38.4
MUMPS	0	25	288	137	1	90.2
NEUROINVASIVE WEST NILE	0	1	0	0	1	0.4
PERTUSSIS	7	6	3	2	2	4
Q FEVER ACUTE	0	0	0	0	0	0
RABIES ANIMAL	0	6	3	2	3	2.8
RABIES POST EXPOSURE PROPHYLAXIS	31	22	19	13	28	22.6
ROCKY MOUNTAIN SPOTTED FEVER	3	11	14	16	12	11.2
SALMONELLOSIS	11	19	25	35	44	26.8
SHIGELLOSIS	6	47	9	5	9	15.2
STAPH AUREUS VISA	0	0	1	1	0	0.4
STREP DISEASE, GROUP A INVASIVE	1	2	3	*	*	2
STREP PNEUMONIAE, INVASIVE	0	0	4	13	15	6.4
STREP PNEUMONIAE, <5 YEARS, INVASIVE	0	2	1	0	0	0.6
STREP PNEUMONIAE, DRUG-RESISTANT	2	1	1	0	0	0.8
TB DISEASE	0	2	4	2	3	2.2
TB INFECTION	202	132	139	115	71	131.8
TULAREMIA	0	1	2	2	1	1.2
TYPHOID FEVER	1	0	0	0	0	0.2
VARICELLA (CHICKENPOX)	19	6	5	4	3	7.4
VIBRIOSIS	1	0	0	2	0	0.6
YERSINIOSIS	0	0	0	0	4	0.8
ZIKA	0	0	1	1	1	0.6

** Strep Disease, Group A Invasive is no longer a reportable disease/condition

Outbreaks

An outbreak is defined as the occurrence of more cases of a disease than expected in a specific setting or community. The trigger for an outbreak can vary. While one disease may have an outbreak trigger of ten cases, another may be considered an outbreak with a single case. As with reportable diseases, the total number of outbreaks reported is not a true representation of the actual number of outbreaks occurring, since many who become ill do not seek medical care and do not report illness. PHHS investigated one outbreak in 2018. A summary of the outbreak can be found in Table 3 along with a brief description.

Table 3:

Summary of a Disease Outbreak Investigated In Boone County 2018			
Onset	Setting	Agent/Condition	Summary
January 2018	Long Term Care Facility	Influenza A	6 residents of a long term care facility identified with influenza

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