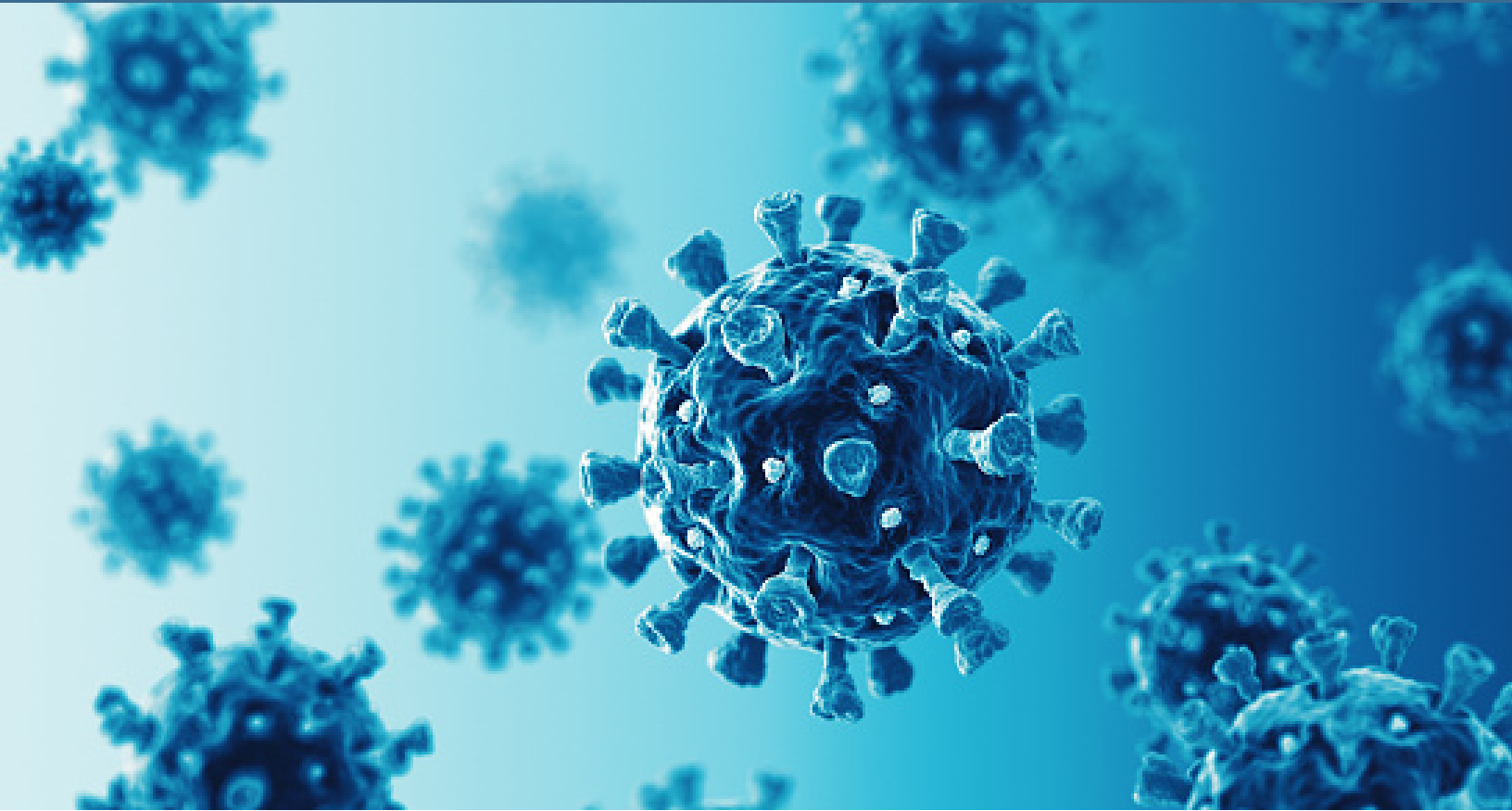


# **COLUMBIA/BOONE COUNTY PUBLIC HEALTH AND HUMAN SERVICES**



## **2022 BOONE COUNTY, MISSOURI COMMUNICABLE DISEASE SUMMARY**

## Boone County Communicable Disease Summary 2022

The Missouri Department of Health and Senior Services (DHSS) designates which diseases, disabilities, conditions and findings 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 2022, Columbia/Boone County Public Health and Human Services (PHHS) had 694 confirmed reportable communicable diseases, excluding influenza, COVID-19 and sexually transmitted diseases (STDs). Influenza and STD data are addressed in separate reports available on the PHHS website: [CoMo.gov/health/about-us/reports](https://co.mo.gov/health/about-us/reports). Boone County COVID-19 information can be found here: [CoMo.gov/coronavirus](https://co.mo.gov/coronavirus). 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 2022 confirmed case counts for Boone County. Table 2 shows the confirmed communicable diseases reported in Boone County from 2018-2022 along with the five-year trend.

Figures 1-4 show a breakdown of all 2022 reported diseases/conditions, organized into Enteric, Vector-Borne and Zoonotic, "other", and Hepatitis categories. Definitions can be found below the figures.

A list of all the diseases and conditions reportable in Missouri can be found on the Missouri Department of Health and Senior Services website:

<http://health.mo.gov/living/healthcondiseases/communicable/communicabledisease/pdf/reportablediseaselist2.pdf>.

Reporting rule 19 CSR 20-20 can be found at the following site:

<https://s1.sos.mo.gov/cmsimages/adrules/csr/current/19csr/19c20-20.pdf>.

Reported Cases of Communicable Diseases  
2022 Boone County, Missouri

*Table 1*

Reported Cases of Communicable Diseases*	
DISEASE/CONDITION	Reported Cases Counts**
ANIMAL BITES	218
CAMPYLOBACTERIOSIS	25
CRYPTOSPORIDIOSIS	6
CYCLOSPORIASIS	1
E. COLI SHIGA TOXIN POSITIVE	10
E. COLI O157 H7	3
EHRlichia CHAFFEENSIS	11
GIARDIASIS	14
HAEMOPHILUS INFLUENZAE, INVASIVE	3
HEPATITIS A ACUTE	8
HEPATITIS B (PREGNANCY) PRENATAL	8
HEPATITIS B CHRONIC INFECTION	13
HEPATITIS C ACUTE	1
HEPATITIS C CHRONIC INFECTION	107
LEGIONELLOSIS	9
MALARIA	1
MOTT (MYCOBACTERIUM OTHER THAN TUBERCULOSIS)	39
MUMPS	1
NON NEUROINVASIVE WEST NILE	1
RABIES ANIMAL	2
RABIES POST EXPOSURE PROPHYLAXIS	3
ROCKY MOUNTAIN SPOTTED FEVER	2
SALMONELLOSIS	26
SHIGELLOSIS	7
STREP PNEUMONIAE INVASIVE	9
TUBERCULOSIS DISEASE	2
TUBERCULOSIS INFECTION	155
VIBRIOSIS	3
YERSINIOSIS	6
<b>TOTAL</b>	<b>694</b>

\*Excludes reported STDs (gonorrhea, chlamydia, syphilis and HIV), COVID-19 and influenza cases. \*\*Reported case counts are confirmed and probable cases.

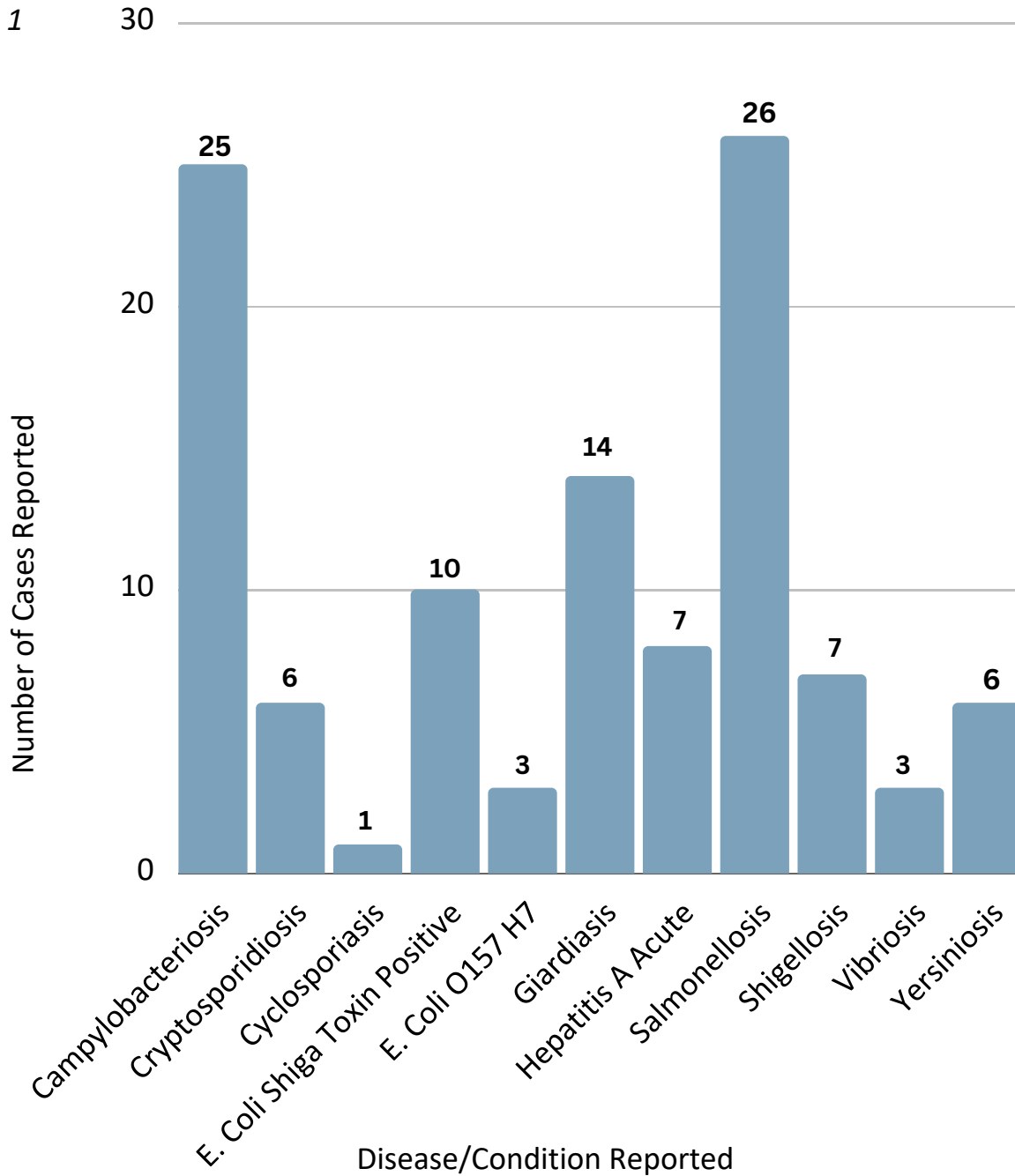
2018-2022 Reported Diseases/Conditions  
Boone County, Missouri with 5 Year Mean

Table 2

DISEASE/CONDITION	2018	2019	2020	2021	2022	5 YR Mean
ANAPLASMA PHAGOCYTOPHILUM	0	0	0	1	0	0
ANIMAL BITES	294	306	327	203	218	270
CAMPYLOBACTERIOSIS	41	40	31	31	25	34
COCCIDIOIDOMYCOSIS	0	1	2	2	0	1
CREUTZFELDT-JAKOB DISEASE (CJD)	1	0	1	0	0	0
CRYPTOSPORIDIOSIS	11	17	7	12	6	11
CYCLOSPORIASIS	4	12	16	9	1	8
E. COLI SHIGA TOXIN POSITIVE	13	12	8	17	10	12
E. COLI O157 H7	3	4	1	1	3	2
EHRlichia CHAFFEENSIS	5	8	12	5	11	8
EHRlichia EWINGII	0	0	0	2	0	0
EHRlichiosis ANAPLASMOSIS	3	8	2	0	0	3
GIARDIASIS	13	9	8	15	14	12
HAEMOPHILUS INFLUENZAE, INVASIVE	5	2	2	2	3	3
HEPATITIS A ACUTE	1	0	1	4	8	3
HEPATITIS B (PREGNANCY) PRENATAL	2	5	3	3	8	4
HEPATITIS B ACUTE	0	0	0	1	0	0
HEPATITIS B CHRONIC INFECTION	14	15	13	17	13	14
HEPATITIS C ACUTE	1	1	0	0	1	0
HEPATITIS C CHRONIC INFECTION	85	73	104	104	107	95
LEGIONELLOSIS	2	2	2	2	9	3
LISTERIOSIS	0	0	1	1	0	0
MALARIA	1	1	1	1	1	1
MENINGOCOCCAL DISEASE	0	2	1	0	0	0
MYCOBACTERIUM OTHER THAN	45	45	25	32	39	37
MUMPS	1	12	0	0	1	3
NEUROINVASIVE WEST NILE	1	0	0	1	0	0
NON NEUROINVASIVE WEST NILE	0	1	0	0	1	0
PERTUSSIS	2	2	0	0	0	0
RABIES ANIMAL	3	0	2	0	2	1
RABIES POST EXPOSURE PROPHYLAXIS	27	14	21	2	3	13
ROCKY MOUNTAIN SPOTTED FEVER	14	6	2	1	2	5
SALMONELLOSIS	44	25	22	33	26	30
SHIGA TOXIN POSITIVE (NON E. COLI,	3	3	3	0	0	2
SHIGELLOSIS	9	2	2	3	7	6
STREP PNEUMONIAE, INVASIVE	13	20	13	5	9	12
TUBERCULOSIS DISEASE	5	6	4	7	2	5
TUBERCULOSIS INFECTION	163	141	97	107	155	133
TOXIC SHOCK (STREP) SYNDROME	1	1	0	0	0	0
TULAREMIA	1	0	0	0	0	0
VARICELLA (CHICKENPOX)	3	4	3	0	0	2
VIBRIOSIS	0	2	0	0	3	1
YERSINIOSIS	4	2	2	9	6	5

## 2022 Boone County Reported Enteric Diseases\*

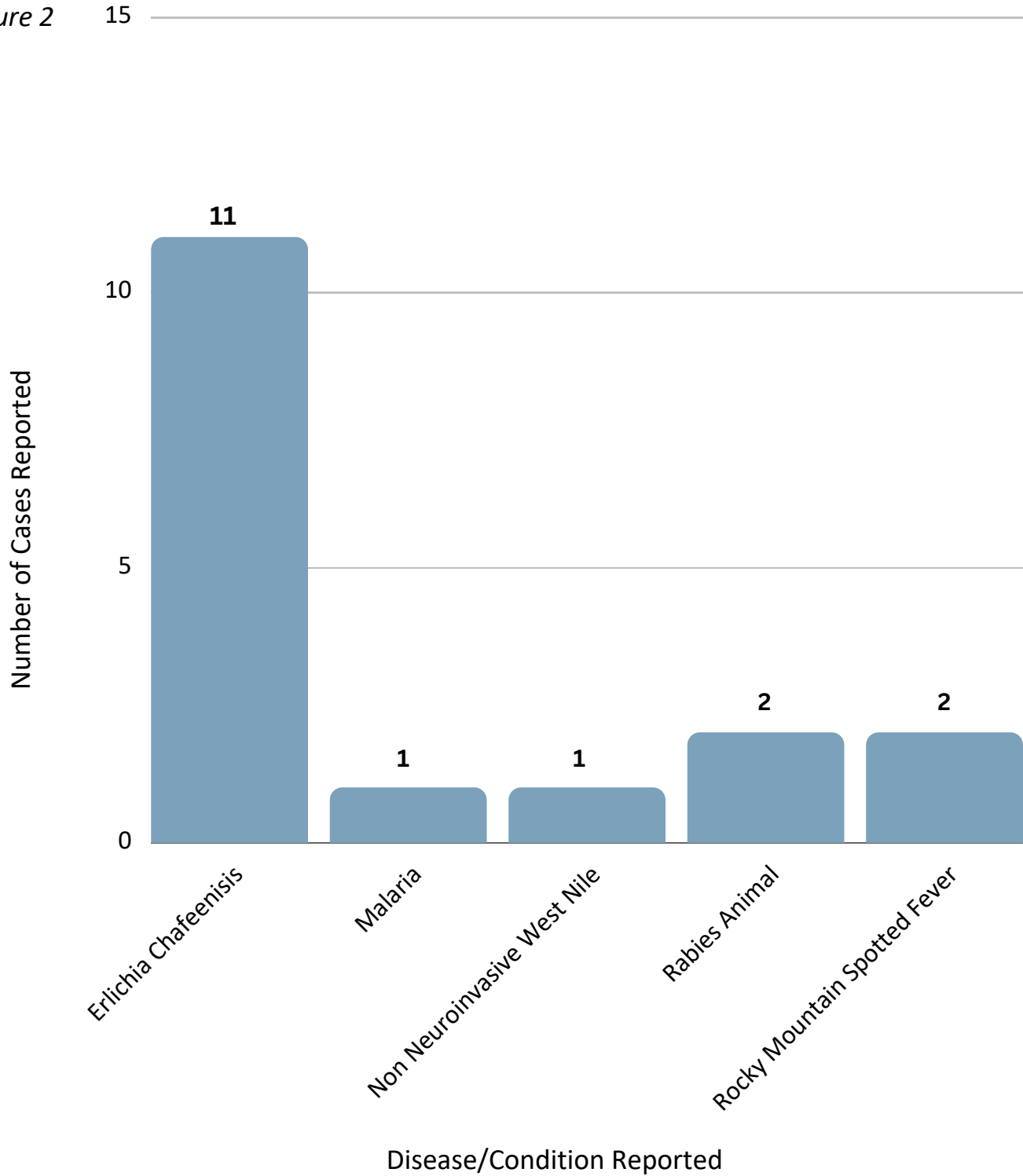
Figure 1



\*Enteric bacteria typically enter the body through the mouth. They are acquired through contaminated food and water, by contact with animals or their environments, by contact with the feces of an infected person, and through other means.

## 2022 Boone County Reported Vector-Borne & Zoonotic Diseases\*

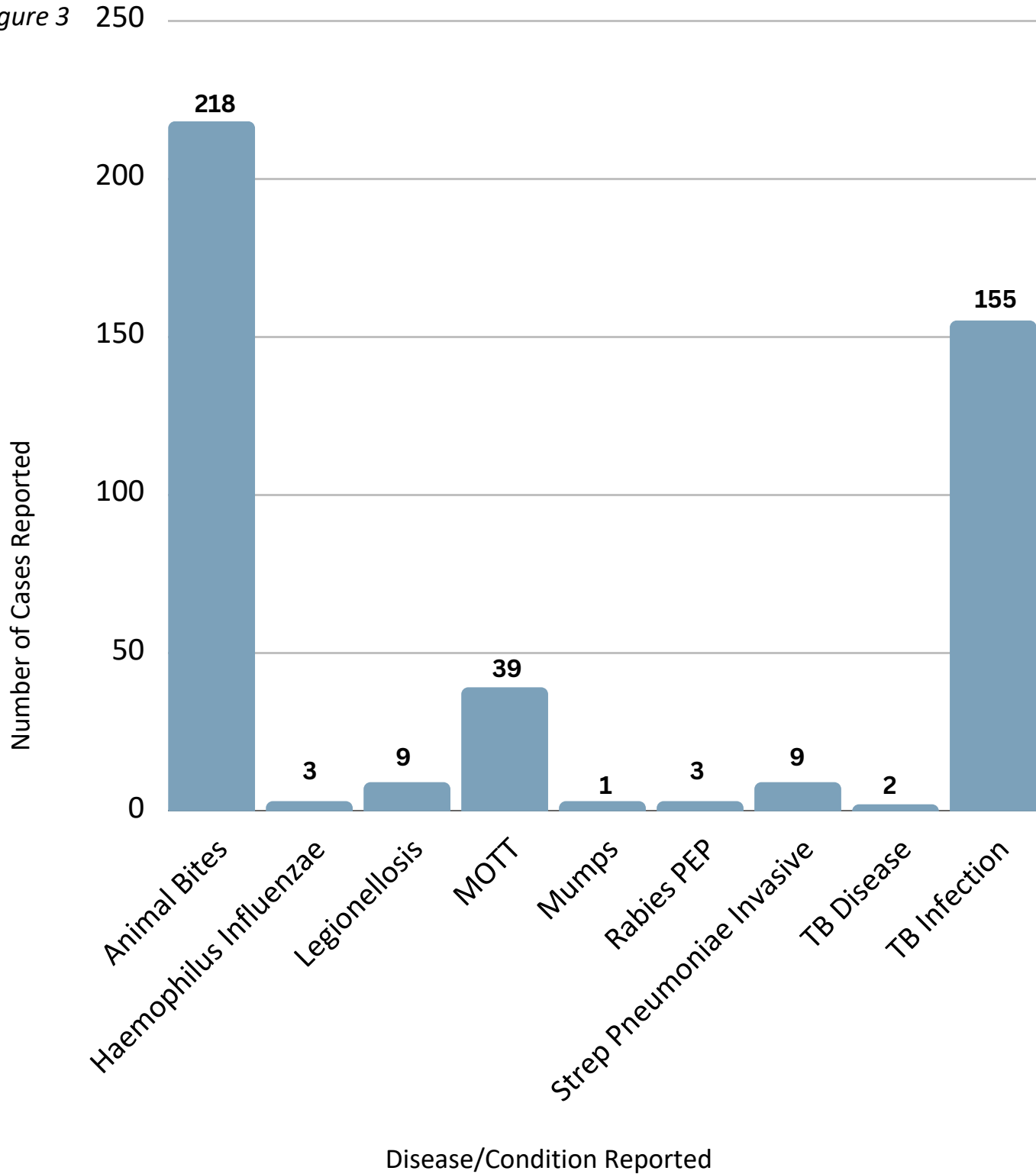
Figure 2 15



\*Vector-borne diseases are human illnesses caused by parasites, viruses and bacteria that are transmitted by vectors. Zoonotic diseases are infectious diseases that are transmitted between species from animals to humans (or from humans to animals).

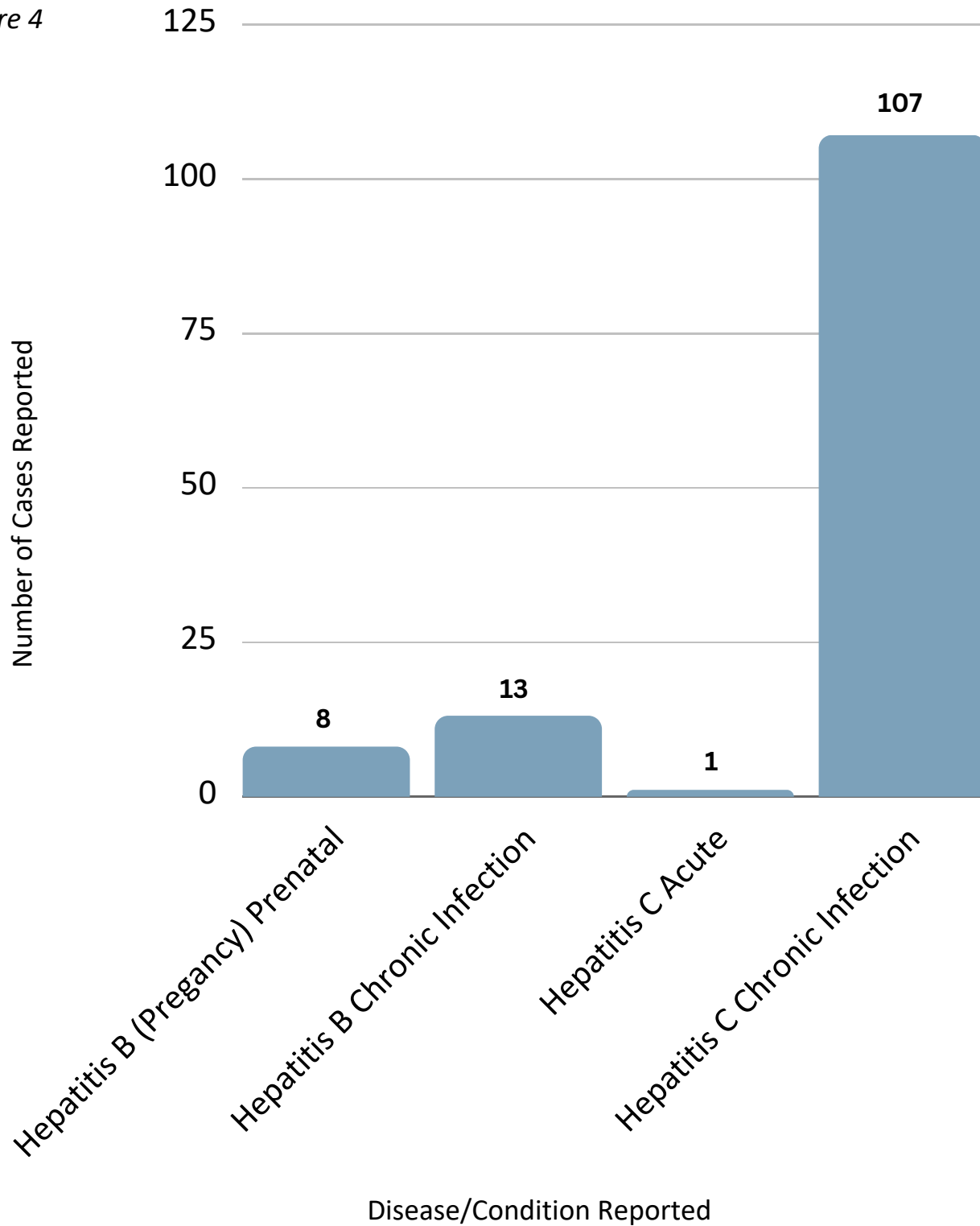
## 2022 Boone County Reported "Other" Diseases

Figure 3



## 2022 Boone County Reported Hepatitis Diseases

Figure 4





## Sources:

Centers for Disease Control and Prevention. (2022, June 17). Enteric Diseases Epidemiology Branch. Centers for Disease Control and Prevention.  
<https://www.cdc.gov/ncezid/dfwed/edeb/index.html>

Department of Health and Senior Services - Missouri. (n.d.).  
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Diseases and Conditions Reportable In Missouri (19 CSR 20-20.020) Numbers in parenthesis represent ICD-10 Codes. (2016, May).

World Health Organization. (n.d.). Vector-borne diseases. World Health Organization.  
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