



Lewis & Clark
Public Health

COMMUNICABLE DISEASE

2024 Year-End Report



FEBRUARY 2025

Data Source: All data within this report were retrieved from the Montana Infectious Disease Information System (MIDIS, Montana Department of Public Health and Human Services). Retrieved January, 2025. Any counts of cases within a single year that are between 1-5 are censored as (“<5”) to protect privacy.

COMMUNICABLE DISEASES ON THE RISE

in Lewis and Clark County, Montana

Pertussis

15

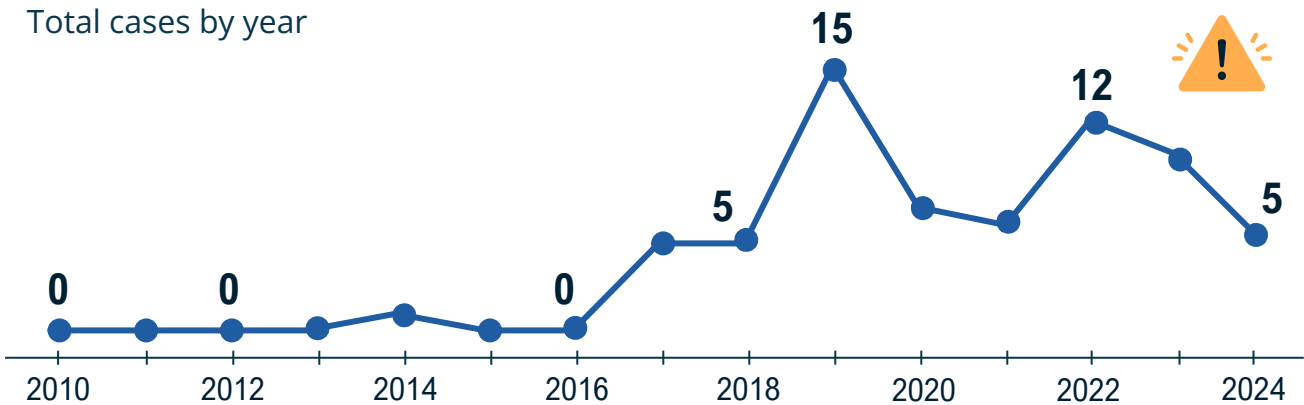
Pertussis cases confirmed in November and December alone in 2024 

3

Total number of cases in 2020, 2021, 2022, and 2023 combined



Syphilis

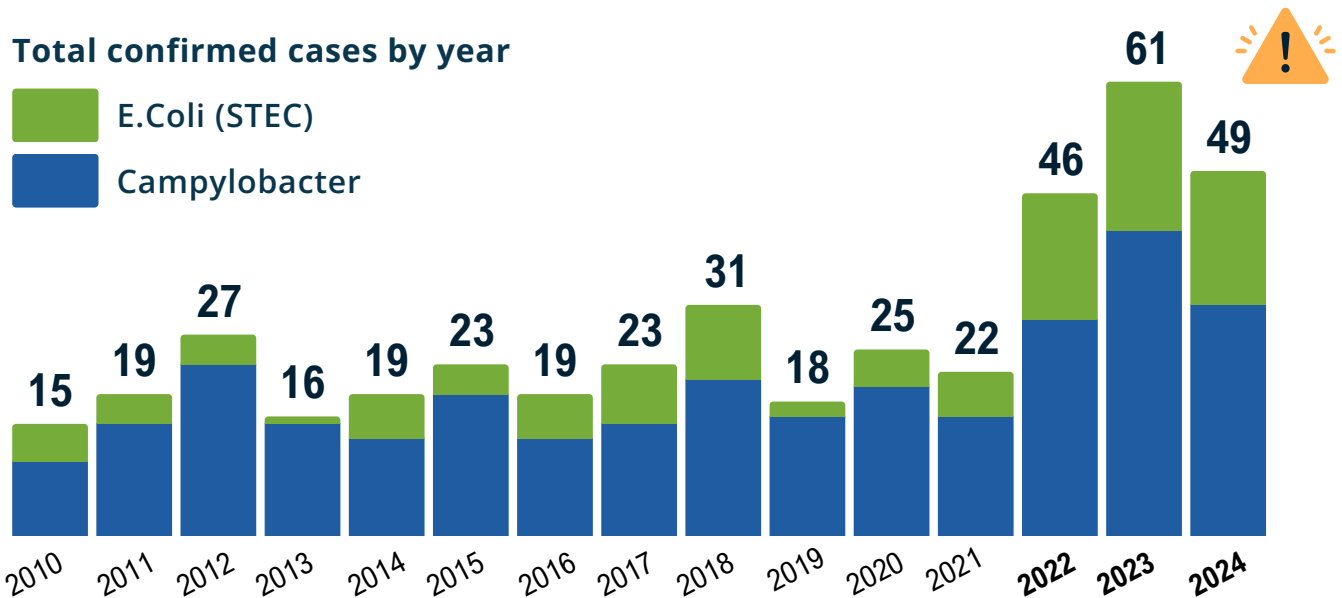
Total cases by year



E.Coli (STEC) and Campylobacter

Total confirmed cases by year

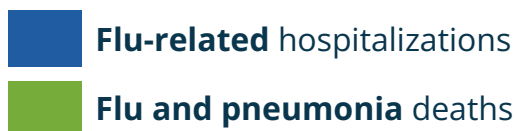
-  E.Coli (STEC)
-  Campylobacter



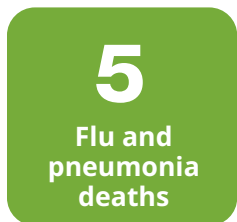
INFLUENZA ACTIVITY

in Lewis and Clark County, Montana

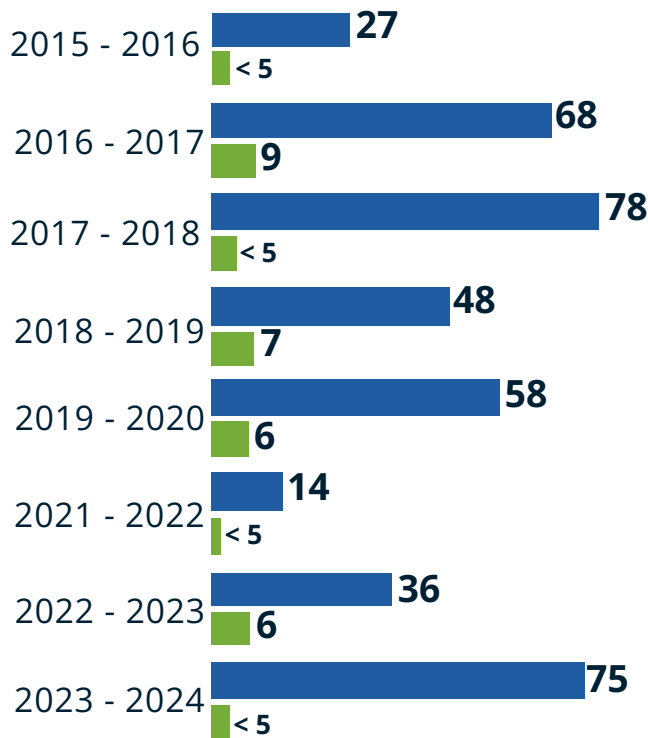
Total flu hospitalizations and deaths by flu season



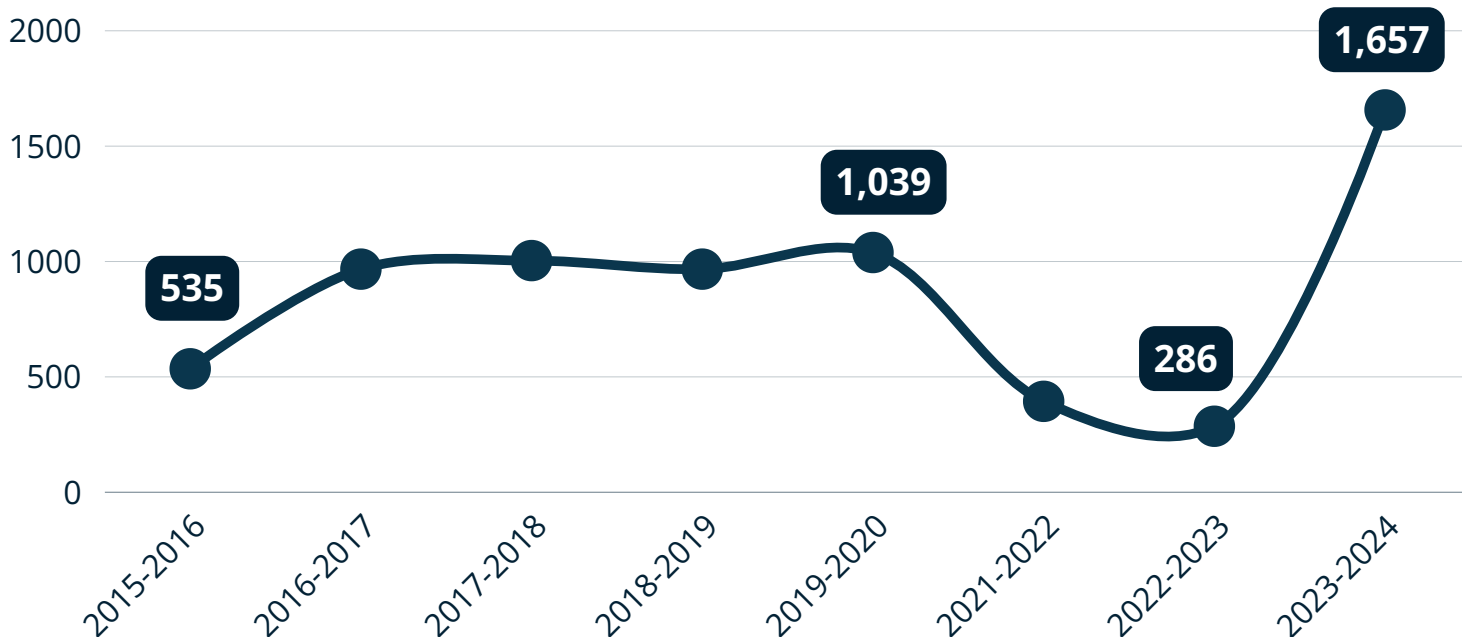
On average, each flu season we typically see:



Flu Season

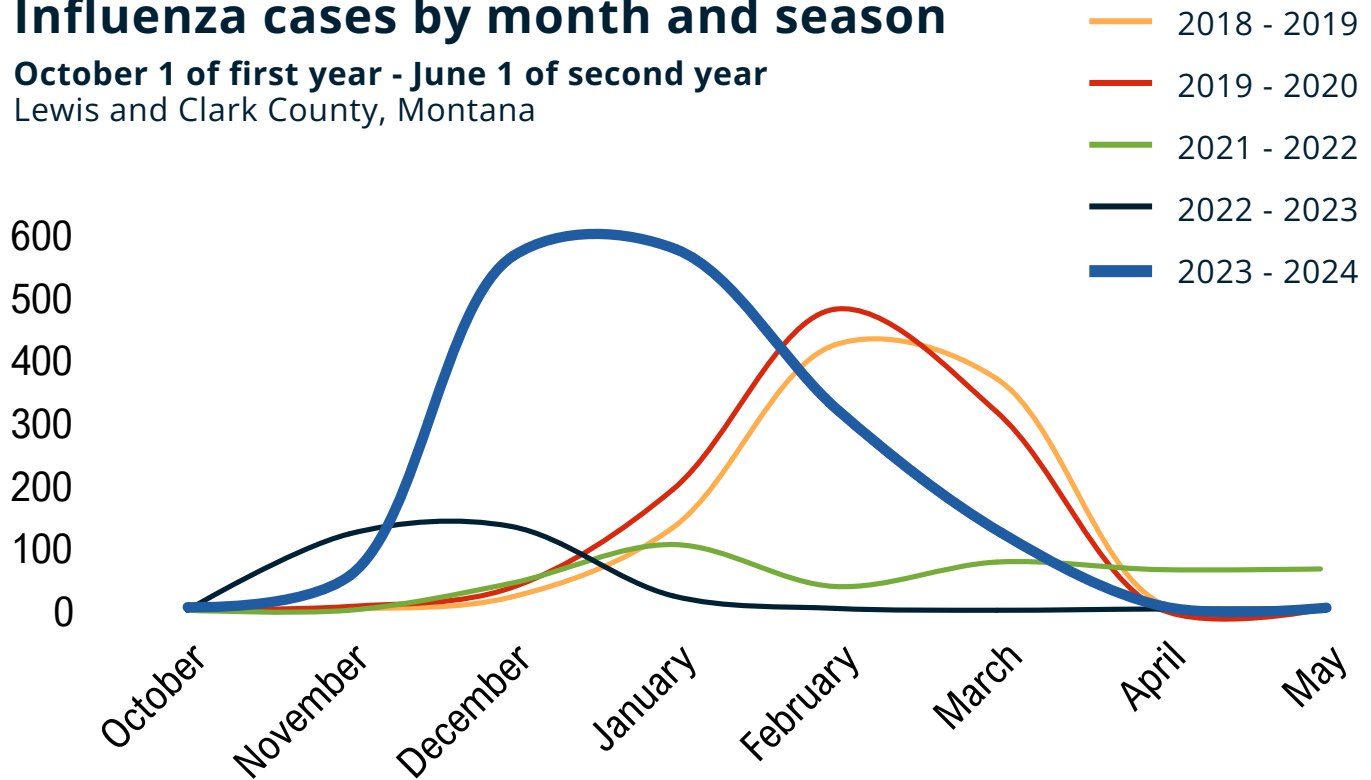


Total influenza cases by season



Influenza cases by month and season

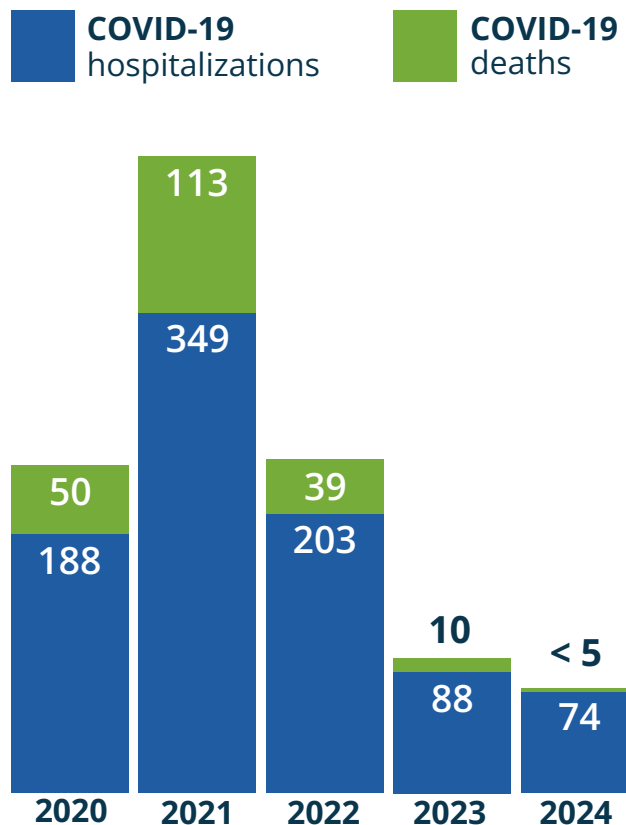
October 1 of first year - June 1 of second year
Lewis and Clark County, Montana



Total COVID-19 cases, hospitalizations, and deaths by year

Lewis and Clark County, Montana

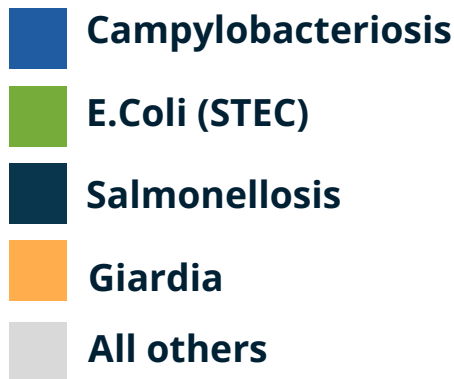
Year	COVID-19 Cases
2020	4,915
2021	7,897
2022	9,340
2023	1,792
2024	1,383



FOOD AND WATER-BORNE ILLNESSES

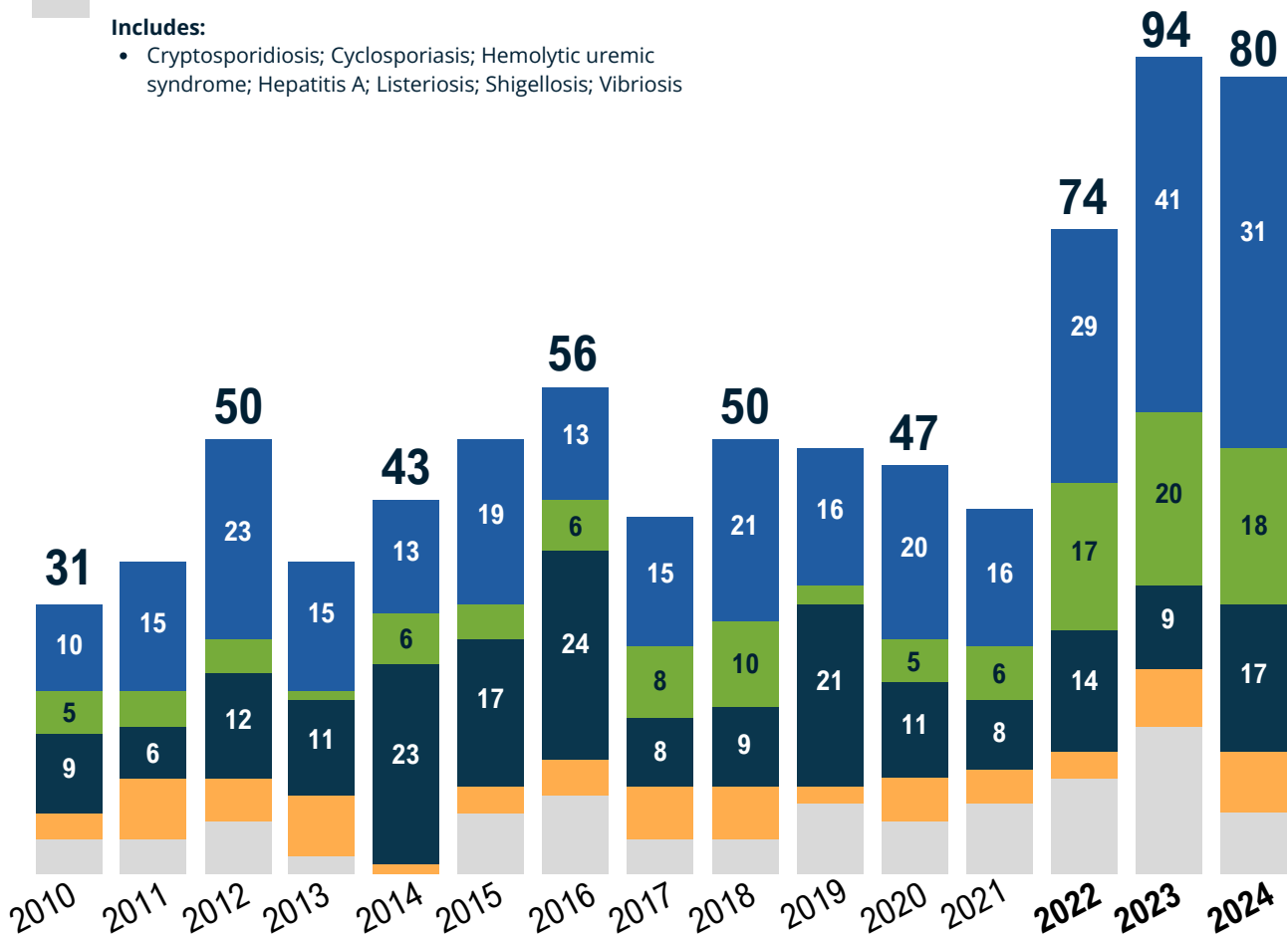
in Lewis and Clark County, Montana

Total food and water-borne illness case counts by year



Includes:

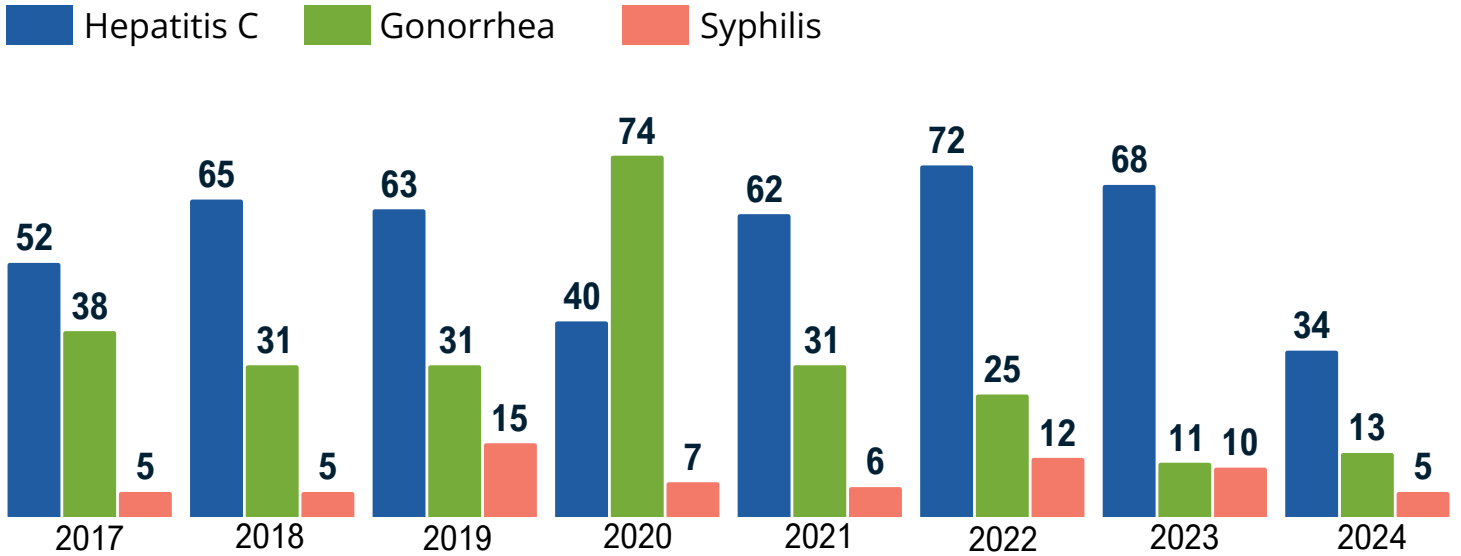
- Cryptosporidiosis; Cyclosporiasis; Hemolytic uremic syndrome; Hepatitis A; Listeriosis; Shigellosis; Vibriosis



STD/STI AND BLOOD-BORNE ILLNESSES

in Lewis and Clark County, Montana

Total case counts by year



Year	Hepatitis - C	Gonorrhea	Syphilis	Chlamydia
2017	52	38	5	422
2018	65	31	5	341
2019	63	31	15	310
2020	40	74	7	276
2021	62	31	6	189
2022	72	25	12	174
2023	68	11	10	138
2024	34	13	5	113

Chlamydia case counts by year

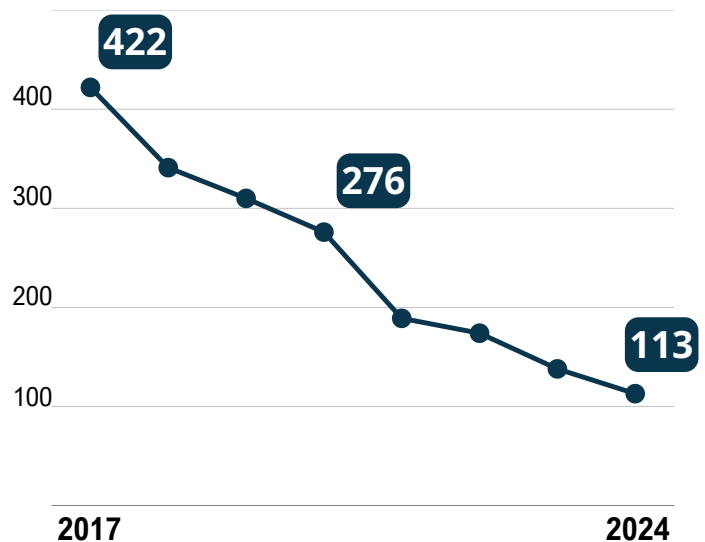


Table 1. Annual communicable disease case counts by year since 2010.

Lewis and Clark County,
Montana

Table 1. Annual communicable disease case counts by year since 2010. Lewis and Clark County, Montana.*Data Source: Montana Infectious Disease Information System (MIDIS, Montana Department of Public Health and Human Services).**Retrieved January, 2025. Any counts of cases within a single year that are between 1-5 are censored as (“<5”) to protect privacy.*

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Respiratory Illnesses															
2019 Novel Coronavirus (COVID-19)	0	0	0	0	0	0	0	0	0	0	5054	8009	9699	1970	1383
Influenza, hospitalization or death	< 5	0	0	20	24	60	35	67	74	57	48	0	51	32	47
Multisystem Inflammatory Syndrome (MIS) COVID-19	0	0	0	0	0	0	0	0	0	0	0	< 5	0	< 5	0
Pertussis	12	14	48	92	76	19	0	31	< 5	30	< 5	0	0	< 5	15
Tuberculosis	< 5	< 5	0	0	0	0	< 5	0	0	0	0	0	0	< 5	< 5
Tuberculosis, Latent Infection (LTBI)	0	0	0	0	0	0	0	0	0	0	< 5	9	10	< 5	14
Food and Water -borne Illnesses															
Campylobacteriosis	10	15	23	15	13	19	13	15	21	16	20	16	29	41	31
Cryptosporidiosis	< 5	< 5	< 5	0	0	6	7	< 5	< 5	< 5	< 5	< 5	7	8	< 5
Cyclosporiasis	0	0	0	0	0	0	0	0	0	< 5	0	< 5	0	5	< 5
E.Coli (STEC)	5	< 5	< 5	< 5	6	< 5	6	8	10	< 5	5	6	17	20	18
Giardiasis	< 5	7	5	7	< 5	< 5	< 5	6	6	< 5	5	< 5	< 5	7	7
Hemolytic uremic synd, postdiarrheal	0	0	0	0	0	0	0	0	0	0	0	0	< 5	0	0
Hepatitis A, acute	< 5	0	< 5	0	0	0	< 5	0	0	< 5	0	< 5	0	0	0
Listeriosis	0	0	0	0	0	0	0	0	0	0	< 5	< 5	0	0	0
Salmonellosis	9	6	12	11	23	17	24	8	9	21	11	8	14	9	17
Shigellosis	< 5	< 5	0	< 5	0	< 5	< 5	0	0	< 5	< 5	< 5	< 5	< 5	< 5
Vibriosis	0	0	0	0	0	0	0	< 5	0	0	< 5	0	< 5	< 5	< 5
STD / STI and Blood-borne Illnesses															
Chlamydia	0	0	0	0	0	< 5	0	422	341	310	276	189	174	138	113
Gonorrhea	0	0	0	0	0	0	0	38	31	31	74	31	25	11	13
Haemophilus influenzae, invasive	0	< 5	0	< 5	0	< 5	< 5	< 5	< 5	0	0	0	< 5	< 5	< 5
Hepatitis B, acute	0	0	0	< 5	0	0	0	0	0	0	< 5	0	0	0	0
Hepatitis B, chronic	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	0	< 5	< 5	6	< 5
Hepatitis C, chronic	54	66	68	81	60	71	83	52	65	63	40	62	72	68	34
HIV/AIDS	0	0	0	0	0	0	0	< 5	< 5	< 5	6	< 5	< 5	< 5	< 5
Streptococcal toxic-shock syndrome	0	0	0	0	0	< 5	0	0	0	0	0	0	0	< 5	< 5
Streptococcus pneumoniae, invasive	12	11	< 5	5	7	7	5	8	5	8	6	< 5	9	10	< 5
Syphilis	0	0	0	0	< 5	0	0	5	5	15	7	6	12	10	5

(Table 1 continued)

Vector-borne and other Environmental Illnesses															
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Coccidioidomycosis	0	0	0	0	< 5	< 5	< 5	0	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Colorado tick fever	0	0	0	0	0	0	0	0	0	0	0	0	0	< 5	0
Hantavirus infection	0	0	0	0	0	0	0	0	0	0	0	< 5	0	0	0
Legionellosis	0	0	0	0	< 5	0	< 5	< 5	< 5	< 5	< 5	< 5	0	< 5	< 5
Lyme disease	0	< 5	< 5	0	0	0	< 5	0	0	< 5	0	< 5	< 5	< 5	< 5
Q fever, Acute	0	7	0	0	< 5	0	0	< 5	0	0	0	0	0	0	< 5
Rabies, animal	3	0	1	6	2	3	0	2	0	1	1	0	1	0	0
Rabies, post-exposure prophylaxis (PEP)	0	0	0	0	0	0	0	0	0	< 5	< 5	35	7	5	7
Spotted Fever Rickettsiosis	0	< 5	0	< 5	< 5	5	0	< 5	0	< 5	0	< 5	0	0	0
West Nile virus, neuroinvasive	0	0	0	0	0	0	0	0	0	< 5	0	< 5	0	0	0
West Nile virus, non-neuroinvasive	0	0	0	0	0	0	0	< 5	< 5	0	0	0	0	< 5	0

Table 2.

Three-year aggregate case counts of communicable diseases.

Lewis and Clark County,
Montana

Table 2. Three-year aggregate case counts of communicable diseases in Lewis and Clark County, Montana. *Data Source: Montana Infectious Disease Information System (MIDIS, Montana Department of Public Health and Human Services). Retrieved January, 2025. Any counts of cases within a single year that are between 1-5 are censored as (“<5”) to protect privacy.*

	2010-2012	2013-2015	2016-2018	2019-2021	2022-2024
Respiratory Illnesses					
2019 Novel Coronavirus (COVID-19)	0	0	0	13063	13052
Influenza, hospitalization or death	< 5	104	176	105	130
Multisystem Inflammatory Syndrome (MIS) COVID-19	0	0	0	< 5	< 5
Pertussis	74	187	32	32	16
Tuberculosis	< 5	0	< 5	0	7
Tuberculosis, Latent Infection (LTBI)	0	0	0	12	26
Food and Water -borne Illnesses					
Campylobacteriosis	48	47	49	52	101
Cryptosporidiosis	8	6	14	9	18
Cyclosporiasis	0	0	0	< 5	6
E.Coli (STEC)	13	11	24	13	55
Giardiasis	15	11	16	11	17
Hemolytic uremic syndrome	0	0	0	0	< 5
Hepatitis A, acute	< 5	0	< 5	< 5	0
Listeriosis	0	0	0	< 5	0
Salmonellosis	27	51	41	40	40
Shigellosis	< 5	< 5	< 5	5	5
Vibriosis	0	0	< 5	< 5	5
STD / STI and Blood-borne Illnesses					
Chlamydia	0	< 5	763	775	425
Gonorrhea	0	0	69	136	49
Haemophilus influenzae, invasive	< 5	< 5	< 5	0	8
Hepatitis B, acute	0	< 5	0	< 5	0
Hepatitis B, chronic	5	8	< 5	5	10
Hepatitis C, chronic	188	212	200	165	174
HIV/AIDS	0	0	5	8	6
Streptococcal toxic-shock syndrome	0	< 5	0	0	< 5
Streptococcus pneumoniae, invasive	26	19	18	16	23
Syphilis	0	< 5	10	28	27

(Table 2 continued)

	2010- 2012	2013- 2015	2016- 2018	2019- 2021	2022- 2024
Vector-borne and other Environmental Illnesses					
Coccidioidomycosis	0	< 5	5	8	< 5
Colorado tick fever	0	0	0	0	< 5
Hantavirus infection	0	0	0	< 5	0
Legionellosis	0	< 5	9	5	< 5
Lyme disease	< 5	0	< 5	< 5	5
Q fever, Acute	7	< 5	< 5	0	< 5
Rabies, animal	4	11	2	2	1
Rabies, post-exposure prophylaxis (PEP)	0	0	0	42	19
Spotted Fever Rickettsiosis	< 5	7	< 5	< 5	0
West Nile virus, neuroinvasive	0	0	0	< 5	0
West Nile virus, non-neuroinvasive	0	0	< 5	0	< 5