

Eaton County
Monthly Summary of Reportable Diseases
December 2022

The data in the Monthly Disease Reports are provisional and are based on current reports in the Michigan Disease Surveillance System (MDSS) made by local public health departments. The MDSS is a dynamic, continually active system; total and year to date (YTD) disease counts are constantly changing as cases are investigated, confirmed as cases, or ruled out as not meeting the case definition. Each Monthly Disease Report reflects this constant activity as the numbers may slightly fluctuate each month. Therefore, it should be kept in mind that numbers in the Monthly Disease Reports are not final and should be used only to generally monitor Eaton County trends over time. Unknown, suspect, probable, and confirmed cases of the reportable condition are included in the report. An updated report is published each month. Specific data requests and questions should be directed to the following:

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Barry-Eaton District
Health Department

YTD Cases**			
Disease	2021	2022	
Foodborne			
Campylobacter	13	15	↗
Giardiasis	6	1	↘
Norovirus	1	1	
Salmonellosis	13	24	↗
Shiga toxin-producing Escherichia coli --(STEC) *	5	3	↘
Shigellosis	4	1	↘
Yersinia enterocolitica	1	4	↗
Foodborne Subtotal	43	50	↗
Influenza			
Flu Like Disease*	1484	4221	↗
Influenza	5	135	↗
Influenza Subtotal	1490	4358	↗
COVID19/MIS			
Multisystem Inflammatory Syndrome	-	1	↗
Novel Coronavirus COVID-19	15014	16822	↗
COVID19/MIS Subtotal	15014	16823	↗
Meningitis			
Meningitis - Aseptic	4	2	↘
Meningitis - Bacterial Other	1	2	↗
Streptococcus pneumoniae, Inv	5	14	↗
Meningitis Subtotal	10	18	↗
Other			
Blastomycosis	1	1	
Brucellosis	1	-	↘
Candida auris	-	1	↗
Coccidioidomycosis	-	1	↗
Guillain-Barre Syndrome	1	1	
Histoplasmosis	15	12	↘
Legionellosis	2	1	↘
Monkeypox	-	1	↗
Streptococcal Dis, Inv, Grp A	2	3	↗
Streptococcal Toxic Shock	1	-	↘
Vibriosis-non Cholera *	2	6	↗
Other Subtotal	25	27	↗
Rabies			
Rabies Animal	1	2	↗
Rabies: Potential Exposure & PEP *	36	103	↗
Rabies Subtotal	37	105	↗

* Indicates includes historic and current forms in MDSS

** Data for cases reported by month is based on the week the case was referred to the health department

↘ YTD cases in 2022 are less than YTD cases in 2021 as of report date

↗ YTD cases in 2022 are greater than YTD cases in 2021 as of report date

Data as of 1/3/2023

STD			
Chlamydia (Genital)	349	310	↘
Gonorrhea	158	131	↘
Syphilis - Unknown Duration or Late	9	7	↘
Syphilis - To Be Determined	551	550	↘
Syphilis - Primary, Secondary, Early Latent	7	4	↘
STD Subtotal	1074	1002	↘
Tuberculosis			
Latent Tuberculosis Infection	8	19	↗
Nontuberculous Mycobacterium	10	12	↗
Tuberculosis Subtotal	18	31	↗
VPD			
Chickenpox (Varicella)	7	19	↗
H. influenzae Disease - Inv.	-	4	↗
Pertussis	2	2	
Shingles	6	11	↗
VZ Infection, Unspecified	1	2	↗
VPD Subtotal	16	38	↗
Vectorborne			
Lyme Disease	6	16	↗
Malaria	1	-	↘
Vectorborne Subtotal	7	19	↗
Viral Hepatitis			
Hepatitis A	1	-	↘
Hepatitis B, Acute	1	6	↗
Hepatitis B, Chronic	24	23	↘
Hepatitis C, Acute	1	4	↗
Hepatitis C, Chronic	66	32	↘
Viral Hepatitis Subtotal	100	84	↘
Total (excludes COVID-19/MIS cases)	2820	5732	↗

* Indicates includes historic and current forms in MDSS

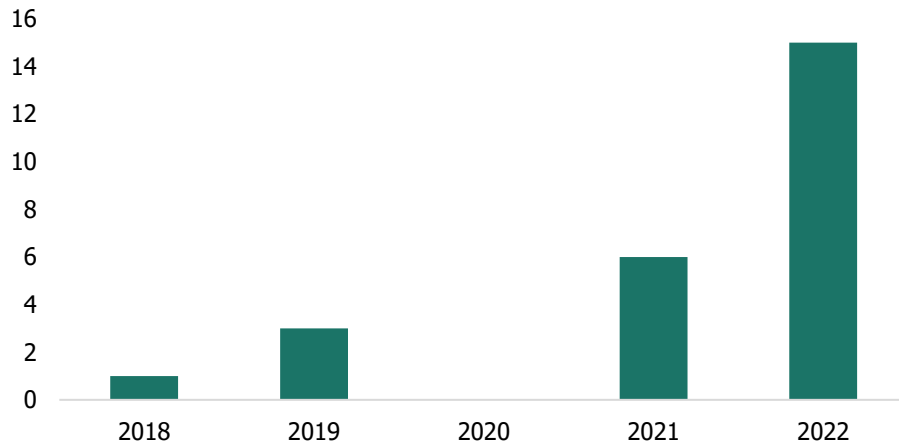
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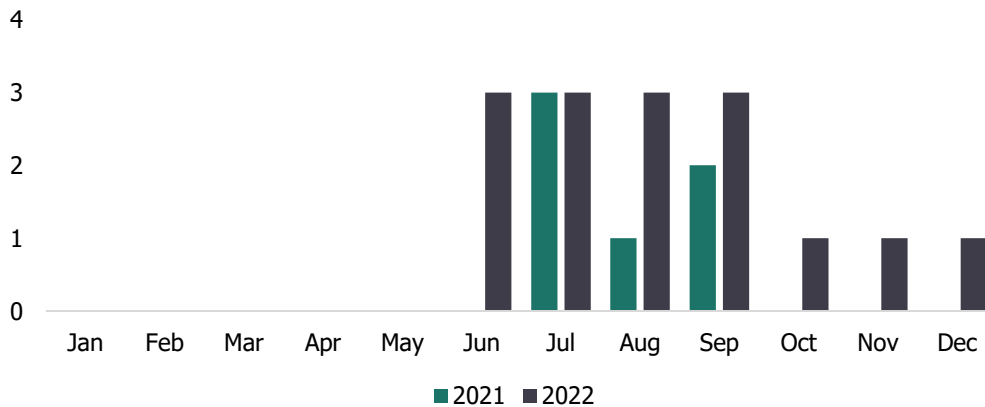
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Lyme Disease Cases Eaton County, 2018-2022



With the exception of 2020, Lyme disease cases have been trending upwards each year since 2019. During 2022, Eaton County experienced a 150% increase in Lyme Disease cases since the previous year. Climate and changes in populations of host species (particularly deer) is just two of many factors that influence the transmission, distribution, and incidence of Lyme disease.

Lyme Disease Cases Eaton County



The above graph shows the seasonality of Lyme disease cases in 2021 and 2022. Climate can influence the distribution of cases meaning shorter winters could extend the period when ticks are active each year, increasing the time that humans could be exposed to Lyme disease. Preliminary data suggests that cases in Eaton County extended longer into the winter season in 2022 versus in 2021 with more cases in October, November, and December.