



Weekly Disease Report For The Week Ending December 4th, 2021 (MMWR Week 48)

The Michigan Disease Surveillance System (MDSS) has revolutionized communicable disease reporting in Michigan; and subsequently, has transformed the Weekly Disease Report. The advent of the MDSS allows immediate communication among disease reporting authorities, local health departments, and the Michigan Department of Health and Human Services (MDHHS) regarding investigations into possible cases of communicable disease. Information on these possible cases is available in MDSS regardless of whether they are suspected, probable, or confirmed cases of disease.

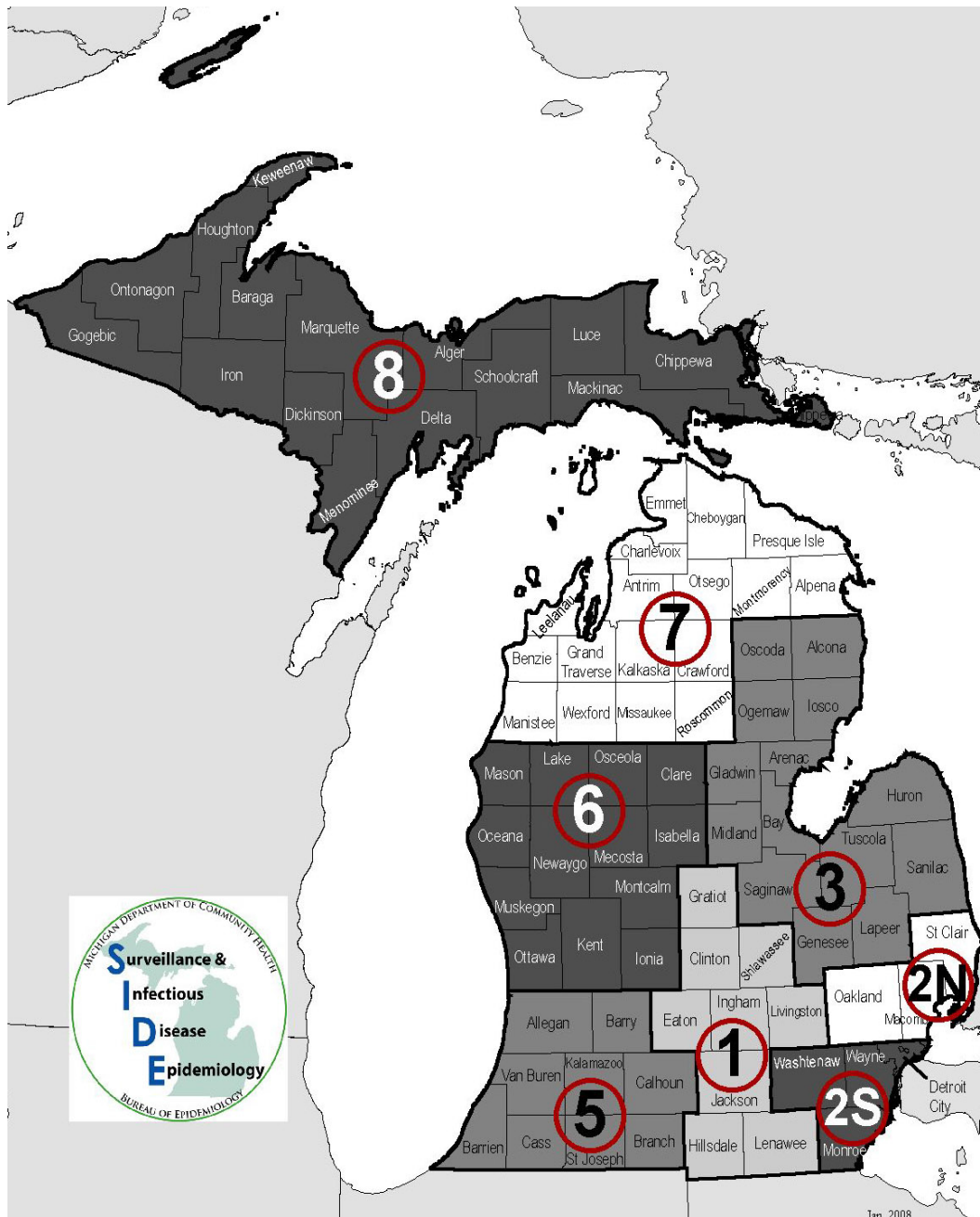
The data in the Weekly Disease Report are provisional, based on current reports to MDHHS by local health departments. The MDSS is a dynamic, continually active system: counts of disease are constantly changing as cases are investigated, confirmed as cases, or ruled out as not meeting the case definition. The Weekly Disease Report reflects this constant activity as the numbers slightly fluctuate each week. Therefore, it should be kept in mind that numbers in the Weekly Disease Report are NOT final and should be used only to generally monitor trends over time. Please contact your local health department for definitive numbers to be used for research or reporting purposes. To find your local health department, please visit

<http://www.malph.org>

Clarification of terms used in the Weekly Disease Report:

MMWR Week: This week (established by the Centers for Disease Control and Prevention) runs from Sunday to Saturday and is assigned a sequentially increasing number from the first week containing a Wednesday in January. For example: 38-2010 is the 38th week in 2010 and corresponds to the week ending September 25, 2010.

Region: Michigan is divided into 8 Emergency Preparedness Regions. To determine which counties belong in which regions, please see below.



Questions regarding the content of the Weekly Disease Report should be referred to the Surveillance and Infectious Disease Epidemiology Section at 517-335-8165.

Reported Cases of All Reportable Conditions Michigan Disease Surveillance System

Disease Group	Reportable Condition	Cases Reported In The Last 4 Weeks**				Total Cases Reported In Each Of The Last 5 Years***				
		45-2021	46-2021	47-2021	48-2021	2017	2018	2019	2020	2021
COVID19/MIS										
	Multisystem Inflammatory Syndrome	0	5	1	1	0	0	0	81	126
	Subtotal	0	5	1	1	0	0	0	81	126
Foodborne										
	Amebiasis	0	0	0	0	6	2	9	7	6
	Botulism - Foodborne	0	0	0	0	0	0	0	0	2
	Campylobacter	20	22	22	15	1,738	1,705	1,705	1,221	1,423
	Cryptosporidiosis	5	2	5	2	425	383	419	245	234
	Giardiasis	16	8	8	10	568	465	428	377	395
	Listeriosis	0	0	2	0	0	19	29	29	34
	Listeriosis (2014-2017)*	0	0	0	0	30	4	1	0	0
	Norovirus	1	49	1	9	1,087	1,011	1,481	583	561
	Paratyphoid Fever	0	0	0	0	0	1	4	4	2
	Salmonellosis	9	8	7	10	1,093	1,163	1,077	905	831
	Shiga toxin-producing Escherichia coli --	3	5	0	6	0	0	284	211	250
	Shigellosis	1	2	1	4	460	209	219	151	155
	Typhoid Fever	0	0	0	0	14	6	10	1	3
	Yersinia enterocolitica	3	5	2	0	66	82	76	81	95
	Subtotal	58	101	48	56	5,487	5,050	5,742	3,815	3,991
Influenza										
	Flu Like Disease*	2,274	2,521	1,295	2,309	394,863	379,206	323,372	193,798	64,813
	Influenza	409	342	221	415	26,017	47,209	32,020	33,054	3,964
	Influenza, Novel	0	0	0	0	2	3	1	0	0
	Respiratory Syncytial Virus	2	4	7	5	0	0	0	0	20
	Subtotal	2,685	2,867	1,523	2,729	420,882	426,418	355,393	226,852	68,797
Meningitis										
	Meningitis - Aseptic	4	2	7	2	659	827	458	259	251
	Meningitis - Bacterial Other	0	4	2	1	126	149	121	103	131
	Meningococcal Disease	1	0	0	0	6	4	8	3	7
	Streptococcus pneumoniae, Inv	11	26	25	14	842	791	938	529	462
	Subtotal	16	32	34	17	1,633	1,771	1,525	894	851

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		45-2021	46-2021	47-2021	48-2021	2017	2018	2019	2020	2021
Other										
	Acute Flaccid Myelitis (AFM)	0	0	0	0	0	6	3	4	0
	Anthrax	0	0	0	0	0	0	0	0	0
	Blastomycosis	2	4	2	18	22	20	26	24	64
	Botulism - Infant	0	0	0	0	0	1	0	2	0
	Botulism - Other	0	0	0	0	0	2	0	1	2
	Brucellosis	0	1	0	0	2	4	1	4	7
	CP-CRE	17	34	16	23	0	0	19	267	522
	Candida auris	0	0	0	0	0	0	0	0	2
	Cholera	0	0	0	0	0	0	2	1	1
	Coccidioidomycosis	1	2	2	2	43	40	52	54	92
	Creutzfeldt-Jakob Disease	0	1	1	0	13	12	15	10	16
	Cryptococcosis	2	2	0	0	15	15	18	24	27
	Cyclosporiasis	0	1	1	1	0	0	1	25	48
	Encephalitis, Post Chickenpox	0	0	0	0	0	1	1	0	0
	Encephalitis, Post Mumps	0	0	0	0	0	0	0	0	0
	Encephalitis, Post Other	1	2	0	1	21	10	14	10	19
	Encephalitis, Primary	0	0	0	0	15	18	14	16	10
	Gastrointestinal Illness	1,581	1,944	661	1,000	158,881	154,968	138,801	61,476	41,800
	Guillain-Barre Syndrome	1	2	0	2	54	48	63	50	59
	Hantavirus	0	0	0	0	0	0	0	0	1
	Hantavirus, Other	0	0	0	0	0	0	0	0	0
	Hantavirus, Pulmonary	0	0	0	0	0	0	0	0	1
	Hemolytic Uremic Syndrome	0	0	0	0	0	0	8	5	3
	Hemorrhagic Fever	0	0	0	0	0	0	0	0	0
	Histoplasmosis	4	4	11	9	178	169	234	192	283
	Kawasaki	2	0	2	4	46	35	55	63	45
	Legionellosis	8	1	6	2	349	643	561	385	583
	Leprosy	0	0	0	0	0	1	0	0	1
	Leptospirosis	0	0	0	1	4	1	3	3	3
	Melioidosis+	0	0	0	0	1	0	0	0	0

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		45-2021	46-2021	47-2021	48-2021	2017	2018	2019	2020	2021
	Novel Coronavirus SARS/MERS	0	0	0	0	0	1	0	0	0
	Plague	0	0	0	0	0	0	0	0	0
	Psittacosis	0	0	0	0	1	4	0	2	5
	Q Fever Acute	0	0	0	0	3	4	5	4	1
	Q Fever Chronic	0	0	0	0	3	1	0	1	1
	Q Fever*	0	1	1	0	0	3	2	3	9
	Rabies Human	0	0	0	0	0	0	0	0	0
	Reye Syndrome	0	0	0	0	0	0	0	0	0
	Rheumatic Fever	0	0	0	0	0	0	0	0	0
	Rubella - Congenital	0	0	0	0	0	0	0	0	0
	Streptococcal Dis, Inv, Grp A	5	8	6	4	458	428	449	340	247
	Streptococcal Toxic Shock	0	0	0	0	2	5	5	4	4
	Streptococcus pneumoniae, Drug Resistant	0	2	0	2	110	96	80	32	29
	Toxic Shock	0	0	0	0	2	4	7	3	4
	Trachoma	0	0	0	0	0	0	0	2	1
	Trichinosis	0	0	0	0	0	0	0	0	2
	Tularemia	0	0	0	0	0	2	1	0	2
	VISA	0	0	0	0	7	8	11	0	4
	VRSA	0	0	1	0	0	0	0	0	2
	Vibriosis - Non Cholera	2	1	2	1	1	0	34	27	48
	Subtotal	1,626	2,010	712	1,070	160,231	156,550	140,485	63,034	43,948
Rabies										
	Rabies Animal	0	0	1	1	44	76	58	55	51
	Rabies: Potential Exposure & PEP	49	38	46	51	0	50	5,453	3,649	3,550
	Subtotal	49	38	47	52	44	126	5,511	3,704	3,601
STD										
	Chancroid	0	0	0	0	1	0	0	0	2
	Chlamydia (Genital)	744	967	630	911	51,731	51,616	50,422	44,846	42,374
	Gonorrhea	319	413	293	421	15,388	17,047	18,278	23,407	20,761
	Granuloma Inguinale	0	0	0	0	0	0	0	0	0
	Lymphogranuloma venereum	0	1	0	0	8	16	1	8	4

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		45-2021	46-2021	47-2021	48-2021	2017	2018	2019	2020	2021
	Syphilis - Congenital	1	3	0	0	10	14	16	29	39
	Syphilis - Early Latent	11	10	6	3	342	412	558	567	665
	Syphilis - Late Latent*	0	0	0	0	415	0	0	0	0
	Syphilis - Late with Manifestations*	0	0	0	0	20	0	0	0	0
	Syphilis - Latent of Unknown Duration*	0	0	0	0	26	0	0	0	1
	Syphilis - Primary	5	9	3	2	165	228	273	311	329
	Syphilis - Secondary	11	13	4	2	315	426	411	471	562
	Syphilis - To Be Determined	14	26	21	49	0	2	0	0	226
	Syphilis - Unknown Duration or Late	11	10	2	12	8	624	656	666	821
	Subtotal		1,116	1,452	959	1,400	68,429	70,385	70,615	70,305
Tuberculosis										
	Latent Tuberculosis Infection	26	25	33	17	123	1,126	2,053	1,367	1,435
	Nontuberculous Mycobacterium	19	18	15	31	344	840	855	686	706
	Tuberculosis	8	5	2	8	135	117	139	96	135
	Subtotal		53	48	50	56	602	2,083	3,047	2,149
VPD										
	Chickenpox (Varicella)	2	9	5	10	543	436	422	185	236
	Diphtheria	0	0	0	0	0	0	0	0	1
	H. influenzae Disease - Inv.	2	6	9	6	199	174	223	99	156
	Measles	1	0	0	0	2	19	46	0	5
	Mumps	0	2	0	2	47	81	29	7	14
	Pertussis	4	6	16	7	761	658	546	116	243
	Polio	0	0	0	0	0	0	0	0	0
	Rubella	0	0	0	0	0	0	0	1	7
	Shingles	10	9	6	4	976	1,252	1,222	811	569
	Tetanus	0	0	0	0	2	2	1	0	1
	VZ Infection, Unspecified	12	17	13	24	270	213	228	237	467
Subtotal		31	49	49	53	2,800	2,835	2,717	1,456	1,699
Vectorborne										
	Babesiosis++	0	0	0	0	3	5	2	1	12
	Chikungunya~	0	0	0	0	0	0	0	0	2

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		45-2021	46-2021	47-2021	48-2021	2017	2018	2019	2020	2021
	Dengue Fever	0	0	0	0	0	0	2	9	8
	Ehrlichiosis*	0	0	0	0	0	0	0	0	0
	Ehrlichiosis, Anaplasma phagocytophilum	2	3	3	2	1	0	2	20	89
	Ehrlichiosis, Anaplasma phagocytophilum	0	0	0	0	15	17	15	0	0
	Ehrlichiosis, Anaplasmosis Undetermined	0	0	0	0	0	0	0	0	1
	Ehrlichiosis, Ehrlichia chaffeensis	1	0	0	0	0	0	2	5	18
	Ehrlichiosis, Ehrlichia chaffeensis (2009-	0	0	0	0	3	7	3	0	0
	Ehrlichiosis, Ehrlichia ewingii	0	0	0	0	0	0	0	0	0
	Ehrlichiosis, Ehrlichia ewingii (2009-2019)*	0	0	0	0	0	0	0	0	0
	Ehrlichiosis, human granulocytic*	0	0	0	0	0	0	0	0	0
	Ehrlichiosis, human monocytic*	0	0	0	0	0	0	0	0	0
	Ehrlichiosis, human other/undetermined	0	0	0	0	3	1	0	0	0
	Ehrlichiosis human, other, unsp*	0	0	0	0	0	0	0	0	0
	Encephalitis, California Serogroup	0	0	0	0	0	0	0	4	9
	Encephalitis, Eastern Equine	0	0	0	0	0	0	0	4	1
	Encephalitis, Powassan	0	0	0	0	0	0	0	0	0
	Encephalitis, St. Louis	0	0	0	0	0	0	0	0	4
	Encephalitis, Western Equine	0	0	0	0	0	0	0	0	0
	Lyme Disease	10	21	19	22	349	309	487	531	1,324
	Malaria	1	0	0	1	45	29	26	14	12
	Rickettsial Disease - Spotted Fever	0	0	0	0	0	0	2	48	17
	Rickettsial Disease - Typhus	0	0	0	0	0	0	0	0	3
	West Nile Virus	0	1	0	0	0	0	0	33	70
	Yellow Fever	0	0	0	0	0	0	0	0	0
	Zika~~	0	0	1	1	0	0	0	0	6
	Subtotal	14	25	23	26	419	368	541	669	1,576
Viral Hepatitis										
	Hepatitis A	0	3	5	4	705	332	80	24	46
	Hepatitis B, Acute	33	43	50	67	63	80	65	45	1,849
	Hepatitis B, Chronic	8	20	22	23	1,213	1,072	1,010	728	799
	Hepatitis B, Perinatal	0	0	0	0	1	1	0	0	0

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		45-2021	46-2021	47-2021	48-2021	2017	2018	2019	2020	2021
	Hepatitis C, Acute	33	45	34	48	233	176	133	145	819
	Hepatitis C, Chronic	89	119	78	97	11,951	10,333	6,147	4,421	4,503
	Hepatitis C, Perinatal	0	0	1	1	3	11	11	8	14
	Hepatitis E	1	0	1	0	5	9	5	9	12
	Subtotal	164	230	191	240	14,174	12,014	7,451	5,380	8,042

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Complete HIV/AIDS statistics can be found at: https://www.michigan.gov/mdhhs/0,5885,7-339-71550_2955_2982-428731--,00.html

Complete COVID-19 statistics can be found at: <https://www.michigan.gov/coronavirus/>

* Indicates disease no longer reported into the MDSS on an individual cases basis.
 *** Data for cases reported in the last 5 years is for the entire year except for the current year which is year to date.
 ** Data for cases reported in the last 4 weeks is based on the date the case was referred.

Table of Diseases by Geographic Location																								
Time Period: Week 48-2021																								
Disease	Alcona		Alger		Allegan		Alpena		Antrim		Arenac		Baraga		Barry		Bay		Benzie		Berrien		Branch	
	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD
Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	-	1	-	-	-	11	-	3	-	1	-	-	-	-	15	-	5	-	5	-	18	-	7	-
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	-	5	-	-	-	1	-	-	-	-	3	-	3	-	1	-	1	-	2	-
Shigellosis	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	2	-	-	-	4	-	-	-
Shingles	-	-	-	-	-	3	-	-	-	-	-	-	-	-	7	-	3	-	-	-	2	-	-	-
Streptococcal Dis, Inv, Grp A	-	1	-	-	-	2	-	-	-	1	-	2	-	-	-	-	-	-	-	-	9	-	5	-
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	-	-
Streptococcus pneumoniae, Inv	-	1	-	-	-	3	-	1	-	-	-	-	-	-	6	-	1	-	1	-	9	-	1	-
Syphilis - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Early Latent	-	1	-	-	-	3	-	-	-	1	-	-	-	-	2	-	4	-	-	-	2	-	-	-
Syphilis - Late Latent*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	-	-	-	-	3	-	-	-	1	-	-	-	-	1	-	-	-	-	-	2	-	-	-
Syphilis - Secondary	-	-	-	-	-	3	-	-	-	-	-	-	-	-	2	-	2	-	-	-	2	-	3	-
Syphilis - To Be Determined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-	3	-	1	-
Syphilis - Unknown Duration or Late	-	-	-	-	-	2	-	-	-	-	-	-	-	-	1	-	4	-	-	-	6	-	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	1	1	-	-	1	2	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	1
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	1	-	2	-
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	-	-	-	-	7	-	-	-	2	-	1	-	-	-	-	3	-	3	-	3	-	1	-
West Nile Virus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	2	-	1	-	2	-
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	2	55	1	39	190	5,454	3	116	2	214	2	173	4	135	7	2,930	72	1,712	3	91	30	1,835	173	4,322

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Table of Diseases by Geographic Location																								
Time Period: Week 48-2021																								
Disease	Calhoun		Cass		Charlevoix		Cheboygan		Chippewa		Clare		Clinton		Crawford		Delta		Detroit City		Dickinson		Eaton	
	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD
Acute Flaccid Myelitis (AFM)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amebiasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthrax	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Babesiosis++	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	-
Blastomycosis	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Botulism - Foodborne	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Botulism - Infant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botulism - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Brucellosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Campylobacter	-	19	-	3	-	7	-	7	-	6	-	9	-	16	-	5	-	8	-	64	-	18	-	13
Candida auris	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chancroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chickenpox (Varicella)	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	1	-	3
Chikungunya-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlamydia (Genital)	8	853	3	148	2	36	-	39	-	75	1	57	2	202	1	19	1	44	200	8,493	1	58	9	343
Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Coccidioidomycosis	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	4	-	-	-	-
CP-CRE	-	4	-	2	-	1	-	3	-	1	-	1	-	2	-	-	-	-	5	155	-	-	-	1
Creutzfeldt-Jakob Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Cryptococcosis	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-
Cryptosporidiosis	-	7	-	2	-	2	-	1	-	1	-	-	-	1	-	1	-	3	-	2	-	6	-	-
Cyclosporiasis	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	3	-	1	-	-
Dengue Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	1	24	-	-
Ehrlichiosis, Anaplasma phagocytophilum (2009-2019)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, Anaplasmosis Undetermined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-
Ehrlichiosis, Ehrlichia chaffeensis (2009-2019)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, Ehrlichia ewingii (2009-2019)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, human other/undetermined (2009-2019)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, California Serogroup	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Post Mumps	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Post Other	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Encephalitis, Powassan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Primary	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flu Like Disease*	1	1,693	27	415	-	244	-	-	1	1	-	311	-	-	-	-	-	64	-	-	-	482	-	1,347
Gastrointestinal Illness	-	2,029	38	627	-	37	-	-	-	94	-	452	-	-	-	-	-	-	-	-	-	608	-	3,197
Giardiasis	-	5	-	-	-	5	-	-	-	3	-	-	-	1	-	-	-	1	-	14	-	4	-	7
Gonorrhea	6	491	1	61	-	5	-	8	-	11	-	20	-	71	-	5	-	1	109	5,486	-	4	2	156
Granuloma Inguinale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Guillain-Barre Syndrome	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1

Table of Diseases by Geographic Location																								
Time Period: Week 48-2021																								
Disease	Calhoun		Cass		Charlevoix		Cheboygan		Chippewa		Clare		Clinton		Crawford		Delta		Detroit City		Dickinson		Eaton	
	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD
Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	-	16	-	8	-	3	-	1	-	9	-	4	-	6	-	-	-	-	1	29	-	2	-	13
Shiga toxin-producing Escherichia coli --(STEC)	-	5	-	1	-	2	-	-	-	-	-	5	-	2	-	1	-	-	-	5	-	2	-	5
Shigellosis	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	16	-	-	-	2
Shingles	-	15	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	1	-	11	-	-	-	4
Streptococcal Dis, Inv, Grp A	-	5	-	1	-	-	-	2	-	-	-	1	-	1	-	-	-	-	1	40	-	-	-	2
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	-	-	-	-
Streptococcus pneumoniae, Inv	1	20	-	2	-	1	-	-	-	-	-	4	-	2	-	3	-	2	3	57	-	1	-	5
Syphilis - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	-	-	-
Syphilis - Early Latent	-	4	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	226	-	1	-	1
Syphilis - Late Latent*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	112	-	-	-	3
Syphilis - Secondary	-	8	-	-	-	1	-	-	-	1	-	1	-	1	-	-	-	-	1	189	-	1	-	1
Syphilis - To Be Determined	-	3	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	10	58	-	-	4	5
Syphilis - Unknown Duration or Late	-	9	-	1	-	-	-	-	-	2	-	1	-	3	-	-	-	-	6	268	-	1	-	7
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	25	-	-	-	-
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	1	-	1	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	1	-	1	-	1	-	5	-	-	-	-	-	10	-	2	-	1	-	71	-	-	-	1
West Nile Virus	-	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	9	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	6	-	2	-	-	-	2	-	-	-	-	-	-	-	2	-	1	-	3	-	-	-	1
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Total	21	5,393	70	1,365	3	388	2	146	2	254	3	1,021	3	463	1	55	1	233	442	17,552	7	1,365	21	5,290

Disease counts reported here do NOT represent final numbers and are subject to change after cases are reviewed.

Table of Diseases by Geographic Location																								
Time Period: Week 48-2021																								
Disease	Emmet		Genesee		Gladwin		Gogebic		Grand Traverse		Graftot		Hillsdale		Houghton		Huron		Ingham		Ionia		Iosco	
	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD
Rickettsial Disease - Spotted Fever	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	-	1	-	37	-	3	-	-	-	7	-	4	-	4	-	2	-	1	1	21	-	9	-	3
Shiga toxin-producing Escherichia coli --(STEC)	-	1	-	3	-	1	-	1	-	7	-	3	-	2	-	-	1	3	1	23	-	1	-	-
Shigellosis	-	-	-	3	-	-	-	-	1	2	-	2	-	-	-	-	1	-	5	-	-	-	-	
Shingles	-	6	-	8	-	-	-	-	-	7	-	-	-	-	-	2	-	-	1	29	-	6	-	-
Streptococcal Dis, Inv, Grp A	-	-	-	12	-	-	-	-	-	1	-	5	-	1	-	-	-	1	1	6	-	2	-	-
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Streptococcus pneumoniae, Inv	-	-	-	25	-	2	1	1	-	4	-	1	-	2	-	3	-	2	1	16	-	3	2	2
Syphilis - Congenital	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Early Latent	-	1	-	10	-	-	-	-	-	3	-	3	-	-	-	-	-	-	21	-	1	-	-	-
Syphilis - Late Latent*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	1	-	-	-
Syphilis - Secondary	-	-	-	9	-	1	-	-	-	1	-	1	-	1	-	-	1	-	10	-	2	-	-	-
Syphilis - To Be Determined	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	4	10	-	1	-	-	-
Syphilis - Unknown Duration or Late	-	-	-	27	-	-	-	1	-	-	-	1	-	-	-	1	-	-	31	-	1	-	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	1	1	9	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	2	-	-	-
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2	-	1	-	-	-
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	5	3	17	-	2	-	-	1	1	-	-	-	1	-	1	-	1	-	2	-	4	-	-
West Nile Virus	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	-	-	2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	6	-	1	-	-	-
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	1,122	104	5,077	8	296	17	469	14	589	5	228	70	1,778	3	349	22	958	87	3,318	64	651	4	76

Disease counts reported here do NOT represent final numbers and are subject to change after cases are reviewed.

Table of Diseases by Geographic Location																								
Time Period: Week 48-2021																								
Disease	Iron		Isabella		Jackson		Kalamazoo		Kalkaska		Kent		Keweenaw		Lake		Lapeer		Leelanau		Lenawee		Livingston	
	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD
Acute Flaccid Myelitis (AFM)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amebiasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthrax	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Babesiosis++	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Blastomycosis	-	3	-	-	-	-	-	-	-	3	13	-	-	-	-	-	1	-	1	-	-	-	-	-
Botulism - Foodborne	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botulism - Infant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botulism - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brucellosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Campylobacter	-	3	-	8	-	14	-	33	-	3	3	99	-	-	-	-	7	-	2	-	17	-	21	-
Candida auris	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chancroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chickenpox (Varicella)	-	-	-	1	-	-	-	4	-	-	-	17	-	-	-	-	8	-	-	-	-	-	-	4
Chikungunya-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Chlamydia (Genital)	-	25	2	259	15	772	32	1,787	2	51	71	3,600	-	2	-	15	4	161	2	43	4	229	7	297
Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coccidioidomycosis	-	-	-	-	-	-	-	2	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-	3
CP-CRE	-	-	-	1	1	2	-	2	-	-	1	11	-	-	-	-	3	-	-	-	-	-	-	10
Creutzfeldt-Jakob Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Cryptococcosis	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	1
Cryptosporidiosis	-	1	-	2	-	2	-	11	-	1	1	16	-	-	-	-	1	-	3	-	4	-	7	-
Cyclosporiasis	-	-	-	-	-	-	-	4	-	3	-	1	-	-	-	1	-	-	-	1	-	-	-	2
Dengue Fever	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, Anaplasma phagocytophilum	-	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	1	-	2	-	-	-	1	-
Ehrlichiosis, Anaplasma phagocytophilum (2009-2019)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, Anaplasmosis Undetermined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, Ehrlichia chaffeensis	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Ehrlichiosis, Ehrlichia chaffeensis (2009-2019)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, Ehrlichia ewingii (2009-2019)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, human other/undetermined (2009-2019)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, California Serogroup	-	-	-	-	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Post Mumps	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Post Other	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Powassan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Primary	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-
Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flu Like Disease*	-	28	79	851	-	1,600	6	1,518	1	156	-	1	-	-	15	324	-	400	-	-	-	2	502	7,230
Gastrointestinal Illness	-	295	22	287	9	645	-	3,349	-	67	-	78	-	-	6	99	-	232	-	-	-	39	109	2,395
Giardiasis	-	-	-	1	-	3	-	15	-	2	1	28	-	-	-	3	-	2	-	2	-	4	-	9
Gonorrhea	-	2	-	61	9	395	26	1,011	-	4	29	1,762	-	-	-	8	2	36	-	8	1	71	-	49
Granuloma Inguinale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Guillain-Barre Syndrome	-	-	-	-	-	2	-	2	-	-	-	1	-	-	-	-	1	-	1	-	1	-	2	-

Table of Diseases by Geographic Location																								
Time Period: Week 48-2021																								
Disease	Iron		Isabella		Jackson		Kalamazoo		Kalkaska		Kent		Keweenaw		Lake		Lapeer		Leelanau		Lenawee		Livingston	
	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD
Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	-	-	-	2	-	17	2	19	-	2	1	66	-	-	-	3	1	8	-	1	-	9	-	9
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	1	-	3	-	12	-	-	2	23	-	-	-	1	-	3	-	-	-	4	-	2
Shigellosis	-	-	-	1	-	-	-	7	-	-	-	19	-	-	-	-	1	-	1	-	1	-	-	-
Shingles	-	-	-	-	1	9	-	33	-	-	-	34	-	-	-	-	-	-	-	-	-	2	-	27
Streptococcal Dis, Inv, Grp A	-	-	-	-	-	5	1	12	-	-	-	22	-	-	-	1	-	3	-	-	-	1	-	4
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	1	-	2	1	5	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Streptococcus pneumoniae, Inv	-	2	-	2	-	6	1	13	-	-	-	34	-	-	-	1	1	6	-	1	-	2	-	5
Syphilis - Congenital	-	-	-	-	-	1	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Early Latent	-	1	-	-	-	5	-	25	-	-	-	30	-	-	-	1	-	-	-	-	-	1	-	3
Syphilis - Late Latent*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	-	-	-	-	-	-	31	-	-	1	21	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Secondary	-	-	-	-	-	4	-	33	-	-	-	40	-	-	-	-	1	-	-	-	-	2	-	2
Syphilis - To Be Determined	-	-	-	2	-	4	-	3	-	-	1	16	-	-	-	2	-	-	-	-	-	1	-	2
Syphilis - Unknown Duration or Late	-	-	-	3	-	33	1	35	-	-	1	57	-	-	-	9	-	1	-	2	-	4	-	2
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	-	-	1	-	2	-	2	-	-	-	6	-	-	-	1	-	-	-	-	-	-	-	1
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	-	-	2	-	-	-	-	1	4	-	-	-	-	-	-	-	-	-	-	-	-
VISA	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	1	-	-	-	4	-	-	-	3	-	19	-	-	-	1	-	2	-	2	-	1	-	4
West Nile Virus	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	-	-	1	-	1	-	3	-	-	-	10	-	-	-	-	1	-	-	-	-	1	-	4
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	390	108	1,660	48	4,337	75	8,519	5	313	182	7,121	0	6	21	482	12	966	3	90	15	637	629	10,309

Disease counts reported here do NOT represent final numbers and are subject to change after cases are reviewed.

Table of Diseases by Geographic Location																								
Time Period: Week 48-2021																								
Disease	Luce		Mackinac		Macomb		Manistee		Marquette		Mason		Mecosta		Menominee		Midland		Missaukee		Monroe		Montcalm	
	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD
Acute Flaccid Myelitis (AFM)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amebiasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthrax	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Babesiosis++	-	-	-	-	-	-	-	1	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
Blastomycosis	-	-	-	-	-	1	-	-	1	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Botulism - Foodborne	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botulism - Infant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botulism - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brucellosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Campylobacter	-	2	-	2	-	119	1	6	-	9	-	9	-	11	-	10	-	12	1	7	1	23	1	20
Candida auris	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chancroid	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chickenpox (Varicella)	-	-	-	-	-	23	-	-	-	1	-	-	-	-	-	-	1	-	-	-	5	-	1	-
Chikungunya~	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlamydia (Genital)	-	5	-	25	72	3,121	-	44	8	179	2	35	3	133	-	31	2	143	1	23	9	312	2	199
Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coccidioidomycosis	-	-	-	-	-	2	2	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-
CP-CRE	-	-	-	-	-	2	77	-	-	1	-	-	-	-	-	-	1	-	-	-	3	-	1	-
Creutzfeldt-Jakob Disease	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Cryptococcosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
Cryptosporidiosis	-	-	-	1	-	3	-	4	-	-	-	2	-	3	-	5	-	3	-	-	-	1	-	3
Cyclosporiasis	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Dengue Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	2	1	6	-	-	-	-	-	-	7	-	1	-	1	-	-	-	-	-
Ehrlichiosis, Anaplasma phagocytophilum (2009-2019)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, Anaplasmosis Undetermined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, Ehrlichia chaffeensis (2009-2019)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, Ehrlichia ewingii (2009-2019)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, human other/undetermined (2009-2019)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, California Serogroup	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Post Mumps	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Post Other	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Powassan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Primary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flu Like Disease*	-	4	-	1	-	-	-	-	-	26	-	744	-	457	2	15	48	1,319	-	71	-	756	-	280
Gastrointestinal Illness	-	15	-	-	-	39	-	-	-	7	-	412	-	208	-	4	28	655	-	63	-	-	-	324
Giardiasis	-	-	-	-	-	1	14	-	1	-	5	-	4	-	3	-	1	-	2	-	-	2	-	4
Gonorrhea	-	1	1	3	27	1,357	-	8	2	17	-	6	2	40	-	2	2	35	-	13	2	68	-	56
Granuloma Inguinale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Guillain-Barre Syndrome	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1

Table of Diseases by Geographic Location																								
Time Period: Week 48-2021																								
Disease	Luce		Mackinac		Macomb		Manistee		Marquette		Mason		Mecosta		Menominee		Midland		Missaukee		Monroe		Montcalm	
	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD
Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	-	1	-	-	-	58	-	4	-	8	-	5	-	10	-	3	-	14	-	4	-	7	1	10
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	-	10	-	2	-	-	-	2	-	5	-	2	-	1	-	2	-	3	-	3
Shigellosis	-	-	-	-	-	7	-	-	-	-	-	-	1	-	1	-	-	1	1	-	3	-	-	
Shingles	-	-	-	-	-	137	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	
Streptococcal Dis, Inv, Grp A	-	-	-	1	-	14	-	-	-	-	-	2	-	1	-	-	-	2	-	-	-	3	-	2
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	1	-	2	-	-	-	1	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Streptococcus pneumoniae, Inv	-	-	-	1	-	22	-	4	-	-	-	1	1	6	-	1	1	4	-	1	-	3	-	3
Syphilis - Congenital	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Early Latent	-	-	-	-	-	60	-	-	-	1	-	-	-	2	-	-	-	1	-	1	-	4	-	2
Syphilis - Late Latent*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	-	-	-	-	32	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1	-	-
Syphilis - Secondary	-	-	-	-	-	53	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	2	-	1
Syphilis - To Be Determined	-	-	-	-	3	15	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	3	-	2
Syphilis - Unknown Duration or Late	-	-	-	-	2	65	-	-	-	1	-	-	-	3	-	-	-	1	-	-	-	3	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	-	-	-	-	15	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
VISA	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	-	-	-	5	15	-	1	-	-	-	1	-	1	-	2	-	2	-	1	-	-	-	6
West Nile Virus	-	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	-	-	2	-	-	-	2	-	-
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	0	52	2	48	160	6,185	3	106	15	453	5	1,259	6	920	2	172	91	2,525	3	203	23	1,575	6	1,154

Disease counts reported here do NOT represent final numbers and are subject to change after cases are reviewed.

Table of Diseases by Geographic Location																								
Time Period: Week 48-2021																								
Disease	Montmorency		Muskegon		Newaygo		Oakland		Oceana		Ogemaw		Ontonagon		Osceola		Oscoda		Otsego		Ottawa		Presque Isle	
	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD
Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rickettsial Disease - Typhus	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	-	2	1	15	-	4	-	81	-	9	-	5	-	-	-	2	-	-	-	-	1	36	-	-
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	3	-	1	-	17	-	-	-	-	-	-	-	1	-	-	-	-	-	5	-	-
Shigellosis	-	-	-	5	-	-	-	16	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Shingles	-	-	-	3	-	2	1	73	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	1
Streptococcal Dis, Inv, Grp A	-	1	-	9	-	1	-	9	-	-	-	-	-	-	-	-	1	-	-	-	-	3	-	-
Streptococcal Toxic Shock	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
Streptococcus pneumoniae, Inv	-	-	1	11	-	4	1	24	-	2	-	1	-	-	-	4	-	3	-	-	-	14	-	-
Syphilis - Congenital	-	-	-	1	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Syphilis - Early Latent	-	-	-	3	-	1	-	99	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-
Syphilis - Late Latent*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	-	-	4	-	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-
Syphilis - Secondary	-	-	-	1	-	1	1	72	-	-	-	-	-	-	-	2	-	-	-	-	-	3	-	-
Syphilis - To Be Determined	-	-	-	12	-	1	12	24	-	-	-	-	-	-	-	-	-	-	-	-	-	2	10	-
Syphilis - Unknown Duration or Late	-	-	1	10	-	1	-	79	-	-	-	-	-	1	-	-	-	-	-	-	-	9	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	1	-	1	-	-	2	33	-	1	-	-	1	1	-	-	-	-	-	-	-	1	-	-
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	1	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	-	1	9	-	-	5	20	-	2	-	-	-	-	-	2	-	-	-	-	-	4	-	-
West Nile Virus	-	-	-	1	-	1	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	-	-	1	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Zika	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	0	20	49	2,621	100	520	244	7,709	4	1,659	2	69	16	222	2	288	1	44	2	0	1,440	29,803	0	30

Disease counts reported here do NOT represent final numbers and are subject to change after cases are reviewed.

Table of Diseases by Geographic Location																								
Time Period: Week 48-2021																								
Disease	Roscommon		Saginaw		Sanilac		Schoolcraft		Shiawassee		St Clair		St Joseph		Tuscola		Van Buren		Washtenaw		Wayne		Wexford	
	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD
Acute Flaccid Myelitis (AFM)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amebiasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-
Anthrax	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Babesiosis++	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Blastomycosis	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	10	12	-	5	-	-	-
Botulism - Foodborne	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botulism - Infant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botulism - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brucellosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	1	-	-	-
Campylobacter	-	3	-	22	-	5	-	3	-	13	-	21	-	15	-	5	-	20	-	65	2	169	-	8
Candida auris	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chancroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chickenpox (Varicella)	-	-	-	3	-	1	-	1	-	1	1	5	-	-	-	2	-	-	-	6	1	13	-	-
Chikungunya~	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Chlamydia (Genital)	-	26	26	1,180	-	50	-	11	1	150	15	319	7	185	2	95	2	221	21	1,368	109	4,314	1	57
Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coccidioidomycosis	-	1	-	3	-	2	-	-	-	2	-	-	-	1	-	1	-	-	-	2	-	10	-	-
CP-CRE	-	-	-	5	-	1	-	-	-	4	-	12	-	2	-	2	-	4	3	17	3	93	-	-
Creutzfeldt-Jakob Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3	-	-	-
Cryptococcosis	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	4	-	-	-
Cryptosporidiosis	-	1	-	6	-	3	-	-	-	-	-	2	-	3	-	4	-	5	-	14	-	6	-	5
Cyclosporiasis	-	-	-	2	-	-	-	-	-	-	-	-	-	1	-	-	-	3	-	3	1	3	-	-
Dengue Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	-	-	1	-	1	-	1	-	-	-	-	-	-	-	11	-	1	-	-
Ehrlichiosis, Anaplasma phagocytophilum (2009-2019)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, Anaplasmosis Undetermined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-
Ehrlichiosis, Ehrlichia chaffeensis (2009-2019)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, Ehrlichia ewingii (2009-2019)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, human other/undetermined (2009-2019)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, California Serogroup	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Post Mumps	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Post Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4	-	-	-
Encephalitis, Powassan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Primary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flu Like Disease*	-	-	4	2,025	-	-	-	-	-	123	66	1,877	25	1,015	4	1,172	45	427	95	1,386	-	6,314	-	503
Gastrointestinal Illness	-	-	3	1,891	-	-	-	-	-	392	-	-	38	1,918	8	352	82	851	-	-	-	385	-	-
Giardiasis	-	-	-	7	-	2	-	2	-	3	-	5	-	5	-	3	-	5	-	15	1	28	-	2
Gonorrhea	-	3	11	605	1	17	-	1	3	65	2	139	2	127	-	11	3	67	8	506	44	1,920	-	23
Granuloma Inguinale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Guillain-Barre Syndrome	-	1	-	2	-	1	-	-	-	-	-	1	-	-	-	2	-	-	1	4	-	5	-	-

Table of Diseases by Geographic Location																								
Time Period: Week 48-2021																								
Disease	Roscommon		Saginaw		Sanilac		Schoolcraft		Shiawassee		St Clair		St Joseph		Tuscola		Van Buren		Washtenaw		Wayne		Wexford	
	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD	Current	YTD
Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	4	-	-
Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-
Rubella	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	-	-	-	22	-	5	-	-	-	2	-	11	1	9	-	5	-	8	-	26	-	69	-	4
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	7	-	2	-	-	-	1	-	2	-	-	-	-	-	1	2	20	-	21	-	-
Shigellosis	-	-	-	3	-	-	-	-	-	1	-	1	-	1	-	-	-	2	-	9	2	25	-	1
Shingles	-	-	-	4	-	-	-	-	-	-	-	19	-	-	-	1	-	5	-	85	1	6	-	-
Streptococcal Dis, Inv, Grp A	-	-	-	6	-	-	-	-	-	-	-	4	-	-	-	1	-	1	-	4	1	30	-	-
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Inv	-	2	-	14	-	5	-	-	-	3	-	1	-	9	-	1	-	11	-	4	-	47	-	-
Syphilis - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-
Syphilis - Early Latent	-	-	-	3	-	-	-	-	-	3	-	4	-	1	-	-	-	1	-	11	3	107	-	1
Syphilis - Late Latent*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	-	-	3	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	14	-	45	-	-
Syphilis - Secondary	-	-	-	5	-	-	-	-	-	-	-	8	-	1	-	-	-	1	-	19	-	68	-	-
Syphilis - To Be Determined	-	-	1	1	-	-	-	-	1	1	-	1	-	-	-	-	-	-	3	9	4	19	-	-
Syphilis - Unknown Duration or Late	-	-	-	6	-	-	-	-	-	5	-	4	-	-	-	1	-	4	-	20	1	91	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	-	-	5	-	-	-	-	-	1	-	1	-	2	-	-	-	-	1	4	-	23	-	-
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	12	-	-
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	1	-	3	-	-	-	-	-	5	-	-	-	1	-	1	-	2	2	5	6	197	-	-
West Nile Virus	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	19	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	-	-	2	-	1	-	1	-	-	-	-	-	1	-	-	-	-	-	7	-	11	-	-
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-
Total	0	105	60	6,159	3	203	0	35	7	849	89	2,617	74	3,424	21	1,741	132	1,757	238	5,812	327	16,967	1	636

Disease counts reported here do NOT represent final numbers and are subject to change after cases are reviewed.

Report 8: Epi-Curve Graph

Time Period: 12/04/2019 - 12/04/2021

Time Breakdown: by Week

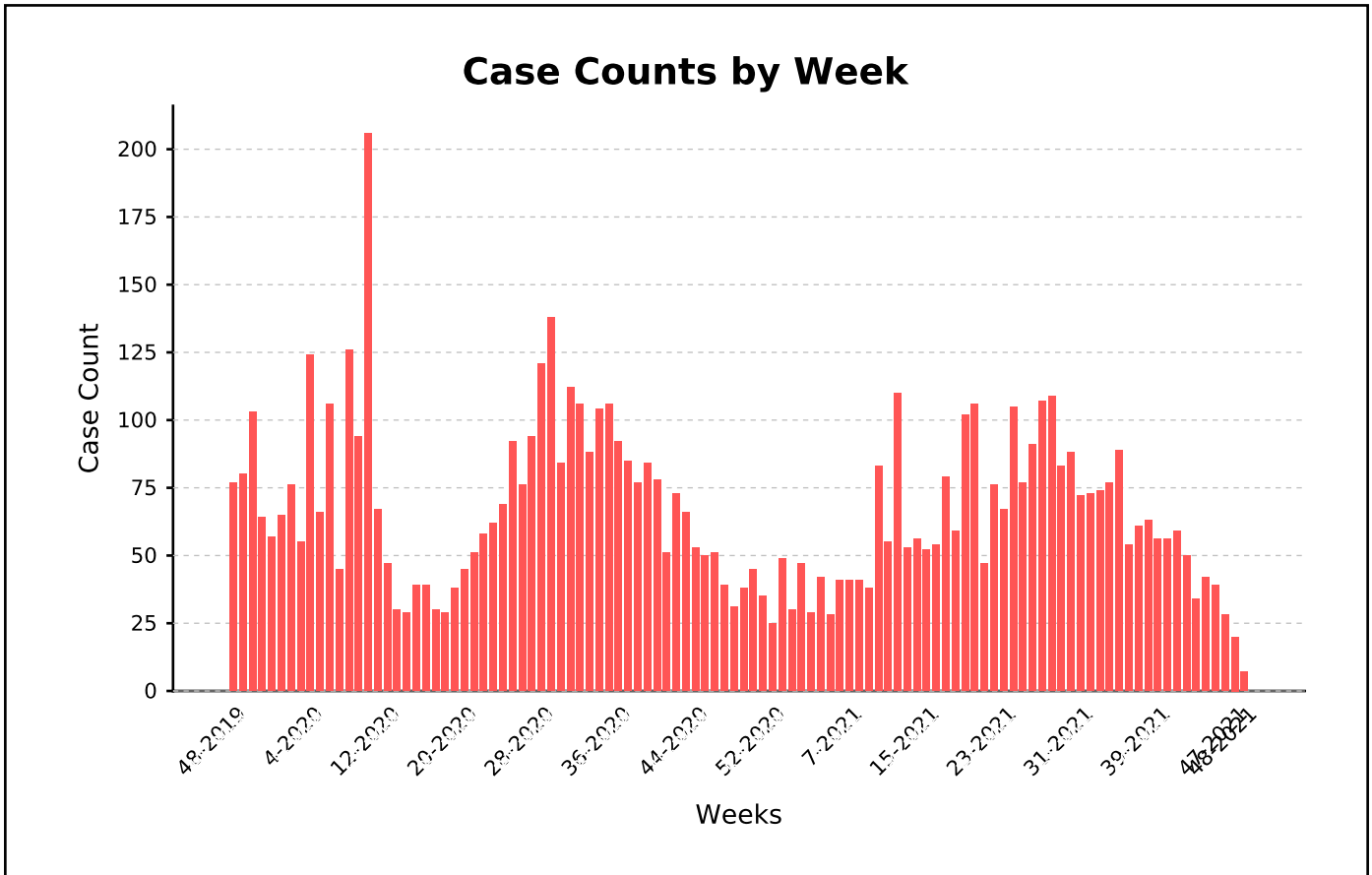
Geographic Area: The State of Michigan

Disease Group: Foodborne

Case Status: Confirmed, Probable, Suspect

Case Types: Individual and Aggregate

Investigation Status: Completed, Completed - Follow Up



Week	Total
48-2019	77
49-2019	80
50-2019	103
51-2019	64
52-2019	57
1-2020	65
2-2020	76
3-2020	55
4-2020	124
5-2020	66
6-2020	106
7-2020	45
8-2020	126
9-2020	94
10-2020	206

Week	Total
11-2020	67
12-2020	47
13-2020	30
14-2020	29
15-2020	39
16-2020	39
17-2020	30
18-2020	29
19-2020	38
20-2020	45
21-2020	51
22-2020	58
23-2020	62
24-2020	69
25-2020	92

Week	Total
26-2020	76
27-2020	94
28-2020	121
29-2020	138
30-2020	84
31-2020	112
32-2020	106
33-2020	88
34-2020	104
35-2020	106
36-2020	92
37-2020	85
38-2020	77
39-2020	84
40-2020	78

Week	Total
41-2020	51
42-2020	73
43-2020	66
44-2020	53
45-2020	50
46-2020	51
47-2020	39
48-2020	31
49-2020	38
50-2020	45
51-2020	35
52-2020	25
53-2020	49
1-2021	30
2-2021	47

Week	Total
3-2021	29
4-2021	42
5-2021	28
6-2021	41
7-2021	41
8-2021	41
9-2021	38
10-2021	83
11-2021	55
12-2021	110
13-2021	53
14-2021	56
15-2021	52
16-2021	54
17-2021	79

Week	Total
18-2021	59
19-2021	102
20-2021	106
21-2021	47
22-2021	76
23-2021	67
24-2021	105
25-2021	77
26-2021	91
27-2021	107
28-2021	109
29-2021	83
30-2021	88
31-2021	72
32-2021	73
33-2021	74
34-2021	77
35-2021	89
36-2021	54
37-2021	61
38-2021	63
39-2021	56
40-2021	56
41-2021	59
42-2021	50
43-2021	34
44-2021	42
45-2021	39
46-2021	28
47-2021	20
48-2021	7

Report 8: Epi-Curve Graph

Time Period: 12/04/2019 - 12/04/2021

Time Breakdown: by Week

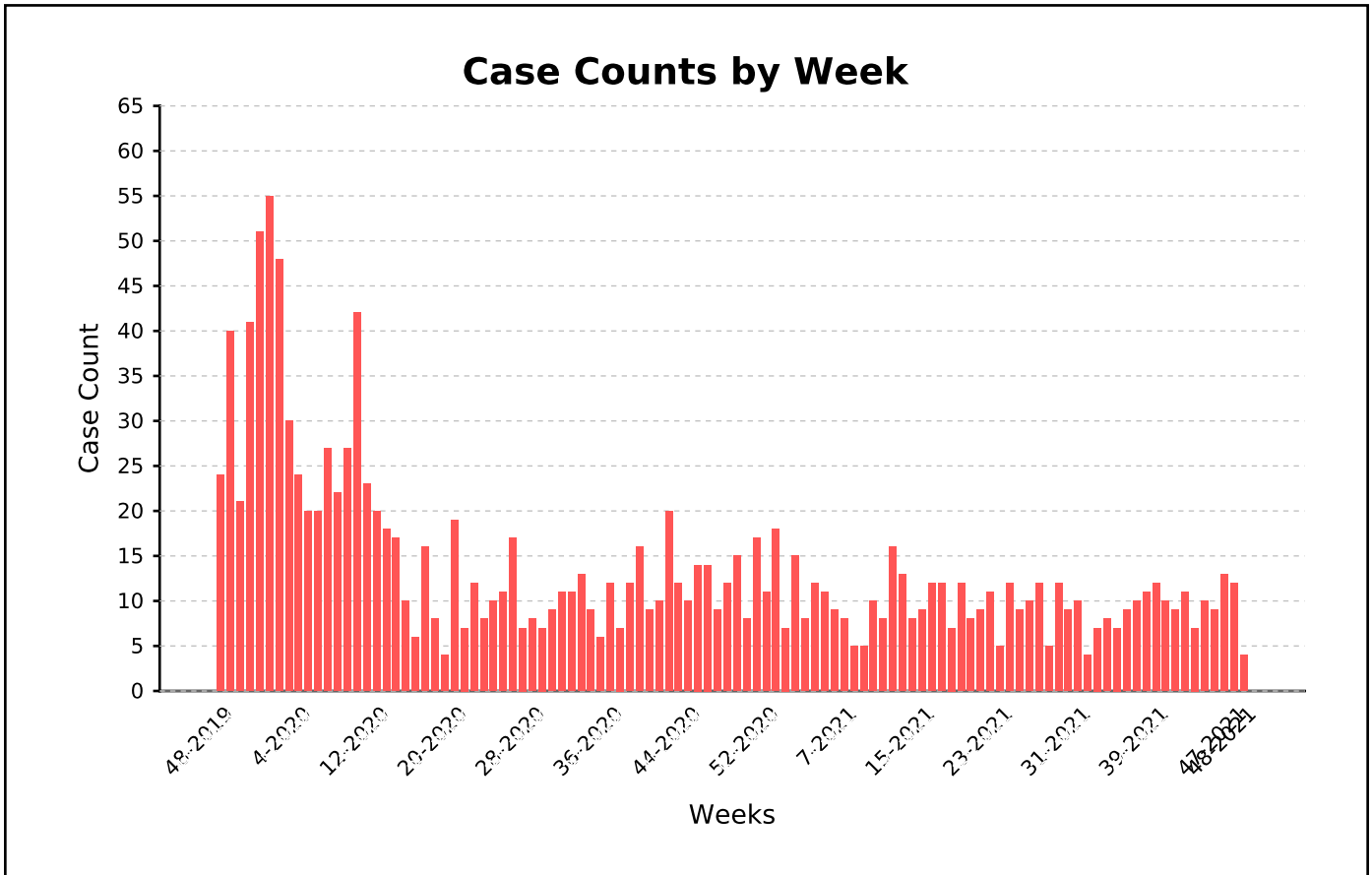
Geographic Area: The State of Michigan

Disease Group: Meningitis

Case Status: Confirmed, Probable, Suspect

Case Types: Individual and Aggregate

Investigation Status: Completed, Completed - Follow Up



Week	Total
48-2019	24
49-2019	40
50-2019	21
51-2019	41
52-2019	51
1-2020	55
2-2020	48
3-2020	30
4-2020	24
5-2020	20
6-2020	20
7-2020	27
8-2020	22
9-2020	27
10-2020	42

Week	Total
11-2020	23
12-2020	20
13-2020	18
14-2020	17
15-2020	10
16-2020	6
17-2020	16
18-2020	8
19-2020	4
20-2020	19
21-2020	7
22-2020	12
23-2020	8
24-2020	10
25-2020	11

Week	Total
26-2020	17
27-2020	7
28-2020	8
29-2020	7
30-2020	9
31-2020	11
32-2020	11
33-2020	13
34-2020	9
35-2020	6
36-2020	12
37-2020	7
38-2020	12
39-2020	16
40-2020	9

Week	Total
41-2020	10
42-2020	20
43-2020	12
44-2020	10
45-2020	14
46-2020	14
47-2020	9
48-2020	12
49-2020	15
50-2020	8
51-2020	17
52-2020	11
53-2020	18
1-2021	7
2-2021	15

Week	Total
3-2021	8
4-2021	12
5-2021	11
6-2021	9
7-2021	8
8-2021	5
9-2021	5
10-2021	10
11-2021	8
12-2021	16
13-2021	13
14-2021	8
15-2021	9
16-2021	12
17-2021	12

Week	Total
18-2021	7
19-2021	12
20-2021	8
21-2021	9
22-2021	11
23-2021	5
24-2021	12
25-2021	9
26-2021	10
27-2021	12
28-2021	5
29-2021	12
30-2021	9
31-2021	10
32-2021	4
33-2021	7
34-2021	8
35-2021	7
36-2021	9
37-2021	10
38-2021	11
39-2021	12
40-2021	10
41-2021	9
42-2021	11
43-2021	7
44-2021	10
45-2021	9
46-2021	13
47-2021	12
48-2021	4