



Weekly Disease Report For The Week Ending December 11th, 2021 (MMWR Week 49)

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.

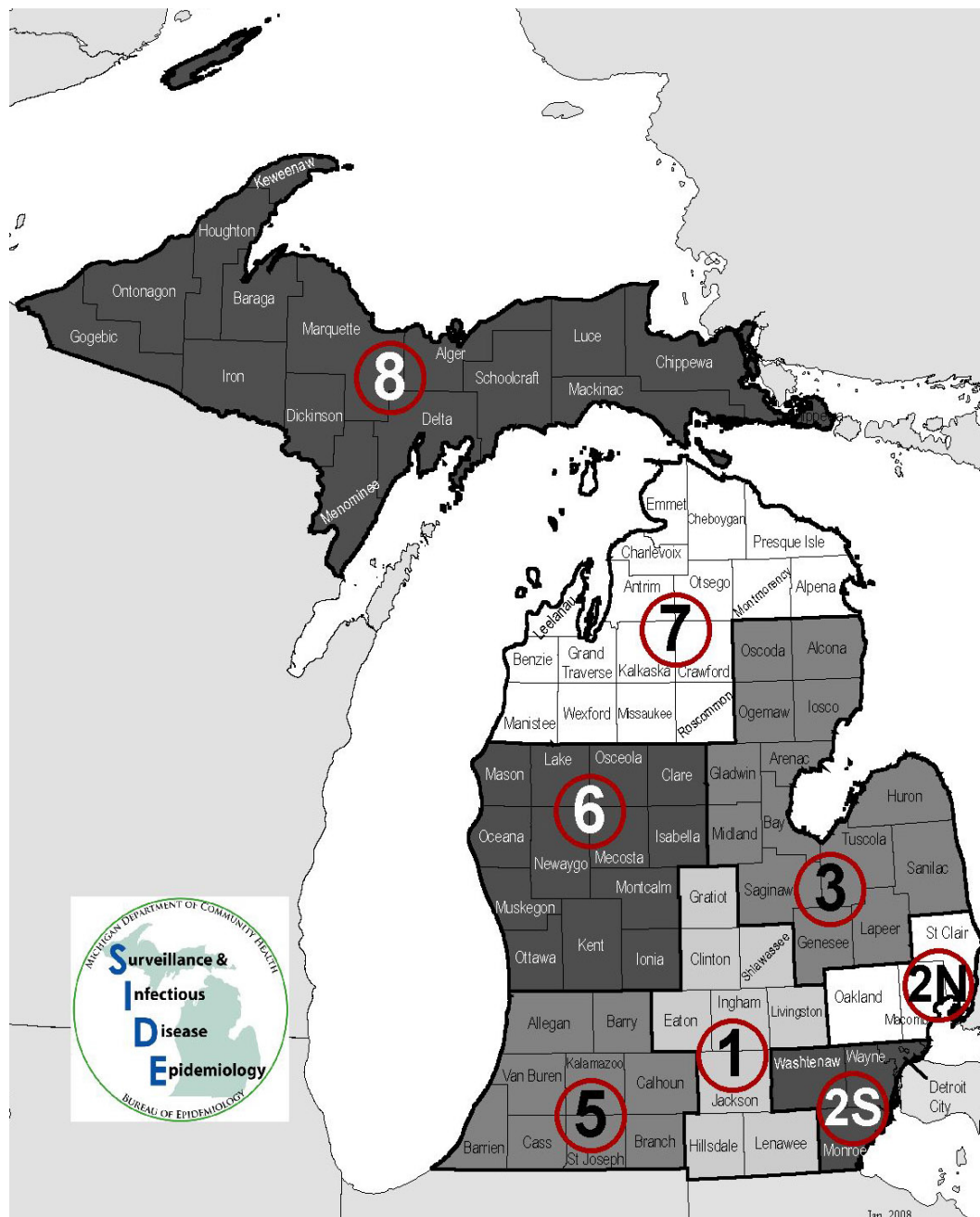
The data in the Weekly Disease Report are provisional, based on current reports to MDHHS by local health departments. The MDSS is a dynamic, continually active system: counts of disease are constantly changing as cases are investigated, confirmed as cases, or ruled out as not meeting the case definition. 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***				
		46-2021	47-2021	48-2021	49-2021	2017	2018	2019	2020	2021
COVID19/MIS										
	Multisystem Inflammatory Syndrome	5	1	1	5	0	0	0	81	131
	Subtotal	5	1	1	5	0	0	0	81	131
Foodborne										
	Amebiasis	0	0	0	0	6	2	9	7	6
	Botulism - Foodborne	0	0	0	0	0	0	0	0	2
	Campylobacter	21	21	18	17	1,738	1,705	1,705	1,221	1,441
	Cryptosporidiosis	3	4	2	3	425	383	419	245	237
	Giardiasis	8	9	9	4	568	465	428	377	400
	Listeriosis	0	2	0	0	0	19	29	29	35
	Listeriosis (2014-2017)*	0	0	0	0	30	4	1	0	0
	Norovirus	49	2	7	1	1,087	1,011	1,481	583	573
	Paratyphoid Fever	0	0	0	0	0	1	4	4	2
	Salmonellosis	8	9	13	6	1,093	1,163	1,077	905	835
	Shiga toxin-producing Escherichia coli --	5	0	4	4	0	0	284	211	252
	Shigellosis	2	1	4	2	460	209	219	151	156
	Typhoid Fever	0	0	0	0	14	6	10	1	3
	Yersinia enterocolitica	5	2	0	2	66	82	76	81	95
Subtotal	101	50	57	39	5,487	5,050	5,742	3,815	4,037	
Influenza										
	Flu Like Disease*	2,597	1,335	2,685	998	394,863	379,206	323,372	193,798	65,911
	Influenza	342	226	418	645	26,016	47,209	32,020	33,054	4,404
	Influenza, Novel	0	0	0	0	2	3	1	0	0
	Respiratory Syncytial Virus	4	7	5	4	0	0	0	0	22
	Subtotal	2,943	1,568	3,108	1,647	420,881	426,418	355,393	226,852	70,337
Meningitis										
	Meningitis - Aseptic	2	8	2	6	659	827	458	259	257
	Meningitis - Bacterial Other	4	3	1	3	126	149	121	103	132
	Meningococcal Disease	0	0	0	0	6	4	8	3	7
	Streptococcus pneumoniae, Inv	26	27	16	16	842	791	938	529	476
Subtotal	32	38	19	25	1,633	1,771	1,525	894	872	

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		46-2021	47-2021	48-2021	49-2021	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	4	2	15	9	22	20	26	24	68
	Botulism - Infant	0	0	0	0	0	1	0	2	0
	Botulism - Other	0	0	0	0	0	2	0	1	2
	Brucellosis	1	0	0	0	2	4	1	4	7
	CP-CRE	29	10	22	25	0	0	19	267	519
	Candida auris	0	0	0	0	0	0	0	0	2
	Cholera	0	0	0	0	0	0	2	1	1
	Coccidioidomycosis	2	2	2	0	43	40	52	54	92
	Creutzfeldt-Jakob Disease	1	1	0	0	13	12	15	10	16
	Cryptococcosis	2	0	0	1	15	15	18	24	28
	Cyclosporiasis	1	1	1	0	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	2	0	0	0	21	10	14	10	18
	Encephalitis, Primary	0	0	0	0	15	18	14	16	10
	Gastrointestinal Illness	2,001	721	1,143	618	158,881	154,968	138,801	61,476	42,640
	Guillain-Barre Syndrome	2	0	1	1	54	48	63	50	60
	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	5	10	6	9	178	169	234	193	283
	Kawasaki	0	3	3	3	46	35	55	63	45
	Legionellosis	1	6	1	3	349	643	561	385	583
	Leprosy	0	0	0	0	0	1	0	0	1
	Leptospirosis	0	0	1	0	4	1	3	3	3
	Melioidosis+	0	0	0	0	1	0	0	0	0

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		46-2021	47-2021	48-2021	49-2021	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	1	1	4	0	2	6
	Q Fever Acute	0	0	0	1	3	4	5	4	2
	Q Fever Chronic	0	0	0	0	3	1	0	1	1
	Q Fever*	1	1	0	1	0	3	2	3	10
	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	8	6	6	9	458	428	449	340	258
	Streptococcal Toxic Shock	0	0	0	0	2	5	5	4	4
	Streptococcus pneumoniae, Drug Resistant	2	0	2	0	110	96	80	32	29
	Toxic Shock	0	0	0	0	2	4	7	3	3
	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	0	0	0	0	0	0	1
	Vibriosis - Non Cholera	1	1	1	0	1	0	34	27	48
	Subtotal	2,063	764	1,204	681	160,231	156,550	140,485	63,035	44,802
Rabies										
	Rabies Animal	0	1	1	0	44	76	58	55	51
	Rabies: Potential Exposure & PEP	39	45	57	30	0	50	5,453	3,649	3,571
	Subtotal	39	46	58	30	44	126	5,511	3,704	3,622
STD										
	Chancroid	0	0	0	0	1	0	0	0	2
	Chlamydia (Genital)	967	640	903	888	51,731	51,616	50,422	44,846	42,954
	Gonorrhea	412	297	411	388	15,388	17,047	18,278	23,406	20,938
	Granuloma Inguinale	0	0	0	0	0	0	0	0	0
	Lymphogranuloma venereum	1	0	0	0	8	16	1	8	4

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		46-2021	47-2021	48-2021	49-2021	2017	2018	2019	2020	2021
	Syphilis - Congenital	2	0	0	1	10	14	16	29	39
	Syphilis - Early Latent	12	5	8	3	342	412	558	567	675
	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	0
	Syphilis - Primary	10	3	4	1	165	228	273	311	334
	Syphilis - Secondary	13	5	2	0	315	426	411	471	565
	Syphilis - To Be Determined	21	17	33	159	0	2	0	0	299
	Syphilis - Unknown Duration or Late	11	5	16	1	8	624	656	667	840
	Subtotal		1,449	972	1,377	1,441	68,429	70,385	70,615	70,305
Tuberculosis										
	Latent Tuberculosis Infection	24	33	16	28	123	1,126	2,053	1,367	1,449
	Nontuberculous Mycobacterium	18	15	31	18	344	840	855	686	717
	Tuberculosis	5	2	7	12	135	117	139	96	146
	Subtotal		47	50	54	58	602	2,083	3,047	2,149
VPD										
	Chickenpox (Varicella)	7	4	12	10	543	436	422	185	241
	Diphtheria	0	0	0	0	0	0	0	0	1
	H. influenzae Disease - Inv.	6	9	8	7	199	174	223	99	160
	Measles	0	0	0	1	2	19	46	0	5
	Mumps	2	0	2	0	47	81	29	7	15
	Pertussis	5	14	3	13	761	658	546	116	237
	Polio	0	0	0	0	0	0	0	0	0
	Rubella	0	0	0	0	0	0	0	1	7
	Shingles	11	8	8	9	976	1,252	1,222	811	584
	Tetanus	0	0	0	0	2	2	1	0	1
	VZ Infection, Unspecified	14	11	18	20	270	213	228	237	467
Subtotal		45	46	51	60	2,800	2,835	2,717	1,456	1,718
Vectorborne										
	Babesiosis++	0	1	0	0	3	5	2	1	13
	Chikungunya~	0	0	0	0	0	0	0	0	2

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		46-2021	47-2021	48-2021	49-2021	2017	2018	2019	2020	2021
	Dengue Fever	0	0	0	1	0	0	2	9	9
	Ehrlichiosis*	0	0	0	0	0	0	0	0	0
	Ehrlichiosis, Anaplasma phagocytophilum	3	3	2	1	1	0	2	20	88
	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	0	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
	Ehrlichosis human, other, unsp*	0	0	0	0	0	0	0	0	0
	Encephalitis, California Serogroup	0	0	0	0	0	0	0	4	10
	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	23	16	16	21	349	309	487	531	1,316
	Malaria	0	0	2	1	45	29	26	14	14
	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	1	0	0	0	0	0	0	33	70
	Yellow Fever	0	0	0	0	0	0	0	0	0
	Zika~~	0	1	0	0	0	0	0	0	5
	Subtotal	27	21	20	24	419	368	541	669	1,571
Viral Hepatitis										
	Hepatitis A	3	5	2	2	705	332	80	23	47
	Hepatitis B, Acute	39	45	56	80	63	80	65	45	1,880
	Hepatitis B, Chronic	19	21	22	32	1,213	1,072	1,010	728	811
	Hepatitis B, Perinatal	0	0	0	0	1	1	0	0	0

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		46-2021	47-2021	48-2021	49-2021	2017	2018	2019	2020	2021
	Hepatitis C, Acute	38	32	39	71	233	176	133	145	837
	Hepatitis C, Chronic	121	74	94	77	11,951	10,333	6,146	4,421	4,546
	Hepatitis C, Perinatal	0	1	1	0	3	11	11	8	14
	Hepatitis E	0	1	0	0	5	9	5	9	12
	Subtotal	220	179	214	262	14,174	12,014	7,450	5,379	8,147

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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 49-2021																								
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	-	-	1	12	-	3	-	1	-	-	-	-	-	15	-	5	-	5	-	18	-	7
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	-	5	-	-	-	1	1	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	-	-	-	-	-	-	-	-	-	10	-	5
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	-
Streptococcus pneumoniae, Inv	-	1	-	-	1	5	-	1	-	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	2	-	-	-	-	1	1
Syphilis - Unknown Duration or Late	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	1	-	5	-	-	-	7	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	3	-	-	1	1	-	1
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	1	-	2
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	-	-	-	1	8	-	-	-	2	-	1	-	-	-	-	-	2	-	3	-	3	-	1
West Nile Virus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	2	-	1	-	2
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	4	55	0	39	15	5,469	4	117	3	215	3	176	1	137	6	2,934	110	1,812	0	91	50	1,867	254	4,571

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Table of Diseases by Geographic Location																								
Time Period: Week 49-2021																								
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	1	8	-	7	-	6	-	9	1	16	-	5	-	8	-	63	-	18	-	13
Candida auris	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chancroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chickenpox (Varicella)	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	1	-	4
Chikungunya~	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlamydia (Genital)	9	862	3	150	-	36	2	41	1	76	1	58	5	207	1	20	1	45	180	8,613	1	59	7	345
Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Coccidioidomycosis	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	4	-	-	-	-
CP-CRE	-	3	-	2	-	-	-	3	-	1	-	1	1	3	-	-	-	-	4	160	-	-	-	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	-	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	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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*	5	1,698	-	415	-	244	-	-	-	1	-	311	-	-	-	-	-	64	-	-	5	512	-	1,347
Gastrointestinal Illness	-	2,029	-	627	-	37	-	-	-	94	-	452	-	-	-	-	-	-	-	-	18	664	-	3,197
Giardiasis	-	5	-	-	-	5	-	-	-	3	-	-	-	1	-	-	-	1	-	14	-	4	-	7
Gonorrhea	10	500	-	62	-	5	-	8	-	11	-	20	2	73	-	5	-	1	110	5,531	-	4	5	159
Granuloma Inguinale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Guillain-Barre Syndrome	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1

Table of Diseases by Geographic Location																									
Time Period: Week 49-2021																									
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	-	-	-	-	1	17	-	-	-	2	
Shingles	1	15	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	1	1	12	-	-	-	4	
Streptococcal Dis, Inv, Grp A	-	5	1	2	-	-	-	2	-	-	-	1	-	1	-	-	-	-	2	42	-	-	-	2	
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	-	-	-	-	
Streptococcus pneumoniae, Inv	-	20	-	2	-	1	-	-	-	-	-	4	-	2	-	3	1	2	1	57	-	1	-	5	
Syphilis - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	
Syphilis - Early Latent	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	228	-	1	-	1	
Syphilis - Late Latent*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Syphilis - Primary	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	114	-	-	-	3	
Syphilis - Secondary	-	8	-	-	-	1	-	-	-	1	-	1	-	1	-	-	-	-	-	189	-	1	-	1	
Syphilis - To Be Determined	-	2	-	-	1	1	1	1	-	-	-	-	-	1	-	-	-	-	32	65	-	-	-	2	6
Syphilis - Unknown Duration or Late	-	9	-	1	-	-	-	-	-	1	-	1	-	4	-	-	-	-	-	275	-	1	-	7	
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trachoma	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tuberculosis	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	28	-	-	-	1	1
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Vibriosis - Non Cholera	-	1	-	1	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VZ Infection, Unspecified	-	1	-	1	-	1	-	5	-	-	-	-	-	10	-	2	-	1	1	71	-	-	-	1	1
West Nile Virus	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	9	-	-	-	-	
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Yersinia enteritis	-	6	-	2	-	-	-	2	-	-	-	-	-	-	-	2	-	1	-	3	-	-	-	1	
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
Total	32	5,417	6	1,371	2	388	4	149	5	258	4	1,024	11	472	1	56	3	234	458	17,828	26	1,451	23	5,298	

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 49-2021																								
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	-	38	-	3	-	-	-	7	-	4	-	4	-	2	-	1	-	21	-	8	-	3
Shiga toxin-producing Escherichia coli --(STEC)	-	1	-	3	-	1	-	1	-	7	-	3	-	2	-	-	-	2	-	23	-	1	-	-
Shigellosis	-	-	-	3	-	-	-	-	-	2	-	2	-	-	-	-	1	-	5	-	-	-	-	-
Shingles	-	6	-	8	-	-	-	-	-	7	-	-	-	-	-	2	-	-	-	29	-	6	-	-
Streptococcal Dis, Inv, Grp A	1	1	1	13	-	-	-	-	1	2	-	5	-	1	-	-	-	1	-	6	-	2	-	-
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Streptococcus pneumoniae, Inv	-	-	2	27	-	2	-	1	-	4	-	1	-	2	-	3	-	2	-	16	1	4	-	2
Syphilis - Congenital	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Early Latent	-	1	-	10	-	-	-	-	-	3	-	3	-	-	-	-	-	-	22	-	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	-	-	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	4	10	1	1	-	-	-
Syphilis - Unknown Duration or Late	-	-	-	27	-	-	-	1	-	-	-	1	-	-	-	1	-	-	32	-	1	-	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	1	-	9	-	-	-	-	-	-	-	-	-	-	1	1	-	-	2	-	2	-	-	-
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2	-	1	-	-	-
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	5	-	17	-	2	-	-	-	1	-	-	-	1	-	1	-	1	-	2	-	4	1	1
West Nile Virus	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	-	-	2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	6	-	1	-	-	-
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	2	1,123	127	5,170	3	299	2	470	10	594	8	233	150	1,924	4	349	12	987	92	3,358	9	684	8	83

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 49-2021																								
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	-	-	-	-	-	-	-	-	13	-	-	-	-	-	1	-	1	-	-	-	-	-
Botulism - Foodborne	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botulism - Infant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botulism - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brucellosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Campylobacter	-	3	-	8	-	15	1	33	-	3	1	99	-	-	-	-	7	-	2	-	17	-	21	
Candida auris	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chancroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chickenpox (Varicella)	-	-	-	1	-	-	-	4	-	-	2	17	-	-	-	-	8	-	-	-	-	-	4	
Chikungunya~	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlamydia (Genital)	1	26	5	262	22	787	33	1,815	1	52	71	3,648	-	2	-	15	1	162	-	43	2	230	4	303
Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coccidioidomycosis	-	-	-	-	-	-	-	2	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-	3
CP-CRE	1	1	-	1	-	3	-	2	-	-	-	11	-	-	-	-	3	-	-	-	-	-	-	9
Creutzfeldt-Jakob Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Cryptococcosis	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	1
Cryptosporidiosis	-	1	-	2	-	2	-	11	-	1	2	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	-	851	-	1,600	22	1,667	-	156	-	1	-	-	8	332	-	400	-	-	-	2	-	7,230
Gastrointestinal Illness	-	305	-	287	-	645	-	3,349	-	67	-	78	-	-	3	102	-	232	-	-	-	39	-	2,395
Giardiasis	-	-	-	1	-	3	-	15	-	2	-	28	-	-	-	3	-	2	-	2	-	4	-	9
Gonorrhea	-	2	1	61	10	400	25	1,037	-	4	20	1,769	-	-	-	8	-	36	1	9	2	72	-	49
Granuloma Inguinale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Guillain-Barre Syndrome	-	-	-	-	-	2	-	2	-	-	-	1	-	-	-	-	1	-	1	-	1	-	3	

Table of Diseases by Geographic Location																								
Time Period: Week 49-2021																								
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	-	19	-	2	-	66	-	-	-	3	-	8	-	1	-	9	-	9
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	1	-	3	1	12	-	-	-	23	-	-	-	1	-	3	-	-	-	4	-	2
Shigellosis	-	-	-	1	-	-	-	7	-	-	-	19	-	-	-	-	1	-	1	-	1	-	-	-
Shingles	-	-	-	-	-	9	3	35	-	-	-	34	-	-	-	-	-	-	-	-	-	2	-	28
Streptococcal Dis, Inv, Grp A	-	-	-	-	-	5	-	12	-	-	1	22	-	-	-	1	-	3	-	-	-	1	-	4
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	1	-	2	-	5	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Streptococcus pneumoniae, Inv	-	2	-	2	-	6	-	14	-	-	-	34	-	-	-	1	-	6	-	1	-	2	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	-	-	-	-	-	-	-	30	-	-	-	21	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Secondary	-	-	-	-	-	4	-	34	-	-	-	40	-	-	-	-	1	-	-	-	-	2	-	2
Syphilis - To Be Determined	-	-	1	1	3	5	8	10	-	-	15	32	-	-	-	2	-	-	-	-	1	1	1	2
Syphilis - Unknown Duration or Late	-	-	-	3	-	34	-	35	-	-	-	58	-	-	-	9	-	1	-	2	-	4	-	2
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	-	-	1	-	2	-	2	-	-	-	6	-	-	-	1	-	-	-	-	-	-	-	1
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	-	-	1	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	1
VISA	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	1	-	-	-	4	1	1	-	3	-	19	-	-	-	1	1	3	-	2	-	1	1	5
West Nile Virus	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	-	-	1	-	1	-	3	-	-	-	9	-	-	-	-	1	-	-	-	-	1	-	4
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	2	401	11	1,664	47	4,354	103	8,737	1	314	205	7,254	0	6	11	493	3	969	1	91	24	656	19	10,323

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 49-2021																								
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	-	-	-	59	-	4	-	8	1	5	-	10	-	3	-	14	-	4	-	7	-	10
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	-	10	-	2	-	-	-	2	-	5	-	2	-	1	-	2	-	3	-	3
Shigellosis	-	-	-	-	-	7	-	-	-	-	-	-	1	-	1	-	-	-	1	-	3	-	-	
Shingles	-	-	-	-	-	144	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	1	1
Streptococcal Dis, Inv, Grp A	-	-	-	1	1	15	-	-	-	-	2	-	1	-	-	-	2	-	-	1	3	-	2	
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	1	-	2	-	-	-	1	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Streptococcus pneumoniae, Inv	-	-	-	1	1	22	-	4	-	-	-	1	-	6	-	1	1	4	-	1	-	3	-	4
Syphilis - Congenital	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Early Latent	-	-	-	-	-	61	-	-	-	1	-	-	-	2	-	-	-	1	-	1	1	5	-	2
Syphilis - Late Latent*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	-	-	-	-	32	-	-	-	-	-	-	-	2	-	1	-	-	-	-	-	1	-	-
Syphilis - Secondary	-	-	-	-	-	53	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	2	-	1
Syphilis - To Be Determined	-	-	-	-	12	20	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	4	
Syphilis - Unknown Duration or Late	-	1	-	-	-	65	-	-	-	1	-	-	-	3	-	-	-	1	-	-	-	3	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	-	-	-	-	15	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	1	-	1
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
VISA	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	-	-	-	3	8	-	1	-	-	-	1	-	1	-	2	-	2	-	1	-	-	-	6
West Nile Virus	-	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	-	-	2	-	-	-	2	-	-
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	0	53	1	49	184	6,262	2	108	6	456	2	1,354	3	921	5	174	96	2,610	1	204	98	1,663	5	1,161

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 49-2021																								
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	-	-	-	-	-	-	36	-
Shiga toxin-producing Escherichia coli --(STEC)	-	-	1	4	-	1	-	17	-	-	-	-	-	-	1	2	-	-	-	-	-	-	5	-
Shigellosis	-	-	1	5	-	-	-	16	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Shingles	-	-	-	3	-	2	-	73	-	-	-	-	-	-	-	-	-	-	-	-	-	2	15	-
Streptococcal Dis, Inv, Grp A	-	1	-	11	-	1	-	9	-	-	-	-	-	-	-	-	-	1	-	-	-	3	-	
Streptococcal Toxic Shock	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Streptococcus pneumoniae, Inv	-	-	-	12	-	4	1	24	-	2	-	1	-	-	-	4	-	3	2	-	1	14	-	-
Syphilis - Congenital	-	-	-	1	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Syphilis - Early Latent	-	-	-	3	-	1	2	102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-
Syphilis - Late Latent*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	-	-	4	-	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-
Syphilis - Secondary	-	-	-	1	-	1	-	74	-	-	-	-	-	-	-	2	-	-	-	-	-	-	3	-
Syphilis - To Be Determined	-	-	10	16	1	1	19	36	-	-	-	-	-	-	-	-	-	-	-	-	-	7	9	-
Syphilis - Unknown Duration or Late	-	-	-	10	-	1	-	79	-	-	-	-	-	1	-	-	-	-	-	-	-	1	10	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	1	-	1	-	-	4	38	-	1	-	-	-	1	-	-	-	-	-	-	-	-	1	-
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	1	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	-	-	9	-	-	3	21	1	2	-	-	-	-	-	2	-	-	-	-	-	-	4	-
West Nile Virus	-	-	-	1	-	1	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	-	-	1	-	-	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	0	20	55	2,657	40	570	254	7,818	362	1,659	2	72	0	222	1	289	1	44	2	0	52	29,825	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 49-2021																								
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	7	19	1	6	-	-
Botulism - Foodborne	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botulism - Infant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botulism - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brucellosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	1	-	-
Campylobacter	-	3	-	22	-	5	-	3	1	15	-	21	-	15	-	5	-	21	-	65	1	171	-	8
Candida auris	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chancroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chickenpox (Varicella)	-	-	-	3	-	1	-	1	-	1	-	5	-	-	-	2	-	-	1	7	-	13	-	-
Chikungunya~	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Chlamydia (Genital)	-	26	23	1,194	1	50	-	12	1	151	6	321	3	186	3	97	4	223	35	1,388	90	4,369	2	58
Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coccidioidomycosis	-	1	-	3	-	2	-	-	-	2	-	-	-	1	-	1	-	-	-	2	-	10	-	-
CP-CRE	-	-	-	5	-	1	-	-	1	4	-	12	-	2	-	3	-	4	1	17	3	94	-	-
Creutzfeldt-Jakob Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3	-	-
Cryptococcosis	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	4	-	-
Cryptosporidiosis	-	1	-	6	-	3	-	-	-	-	-	2	-	3	-	4	-	6	-	14	-	6	-	5
Cyclosporiasis	-	-	-	2	-	-	-	-	-	-	-	-	-	1	-	-	-	3	-	3	-	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*	-	-	88	2,276	-	-	-	-	2	127	100	1,984	34	1,049	22	1,267	-	427	119	1,386	-	6,314	-	503
Gastrointestinal Illness	-	-	92	2,191	-	-	-	-	-	405	-	64	1,982	1	354	-	851	-	-	-	385	-	-	-
Giardiasis	-	-	-	7	-	2	-	2	-	3	-	5	-	5	-	3	-	5	1	16	-	28	-	2
Gonorrhea	-	3	13	613	-	17	-	1	3	65	2	142	2	129	-	11	2	68	14	514	28	1,925	-	23
Granuloma Inguinale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Guillain-Barre Syndrome	-	1	-	2	-	1	-	-	-	-	-	1	-	-	-	2	-	-	-	4	-	5	-	-

Table of Diseases by Geographic Location																								
Time Period: Week 49-2021																								
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	-	-	1	23	-	5	-	-	-	2	-	11	-	9	-	5	-	9	-	26	1	69	-	4
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	7	-	2	-	-	-	1	-	2	-	-	-	-	-	1	-	20	-	21	-	-
Shigellosis	-	-	-	3	-	-	-	-	-	1	-	1	-	1	-	-	-	2	-	9	-	25	-	1
Shingles	-	-	-	4	-	-	-	-	-	-	19	-	-	-	1	-	5	-	86	1	7	-	-	
Streptococcal Dis, Inv, Grp A	-	-	-	6	-	-	-	-	-	-	4	-	-	-	1	-	1	-	5	-	30	-	-	
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Streptococcus pneumoniae, Inv	-	2	-	14	-	5	-	-	-	3	-	1	-	9	-	1	-	12	-	4	2	49	-	-
Syphilis - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	
Syphilis - Early Latent	-	-	-	3	-	-	-	-	-	3	-	4	-	1	-	-	-	1	-	11	-	110	-	1
Syphilis - Late Latent*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Syphilis - Primary	-	-	-	3	-	-	-	-	-	1	-	-	-	-	-	-	-	1	1	15	-	46	-	-
Syphilis - Secondary	-	-	-	5	-	-	-	-	-	-	8	-	1	-	-	-	1	-	19	-	68	-	-	
Syphilis - To Be Determined	-	-	1	2	-	-	-	-	-	1	-	1	-	1	-	-	3	3	7	13	19	33	-	-
Syphilis - Unknown Duration or Late	-	-	-	6	-	-	-	-	-	5	-	4	-	-	-	1	-	4	-	23	-	93	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Toxic Shock	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tuberculosis	-	-	-	5	-	-	-	-	-	1	-	1	-	2	-	-	-	-	4	1	24	-	-	
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	12	-	-	
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VZ Infection, Unspecified	-	1	-	3	-	-	-	-	-	5	1	1	-	1	-	-	-	2	1	5	4	199	-	-
West Nile Virus	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	19	-	-	
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Yersinia enteritis	-	-	-	2	-	1	-	1	-	-	-	-	1	-	-	-	-	-	7	-	11	-	-	
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	
Total	1	106	235	6,755	3	183	0	36	11	870	113	2,734	107	3,527	35	1,844	12	1,768	268	5,913	330	17,183	2	638

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: 12/11/2019 - 12/11/2021

Time Breakdown: by Week

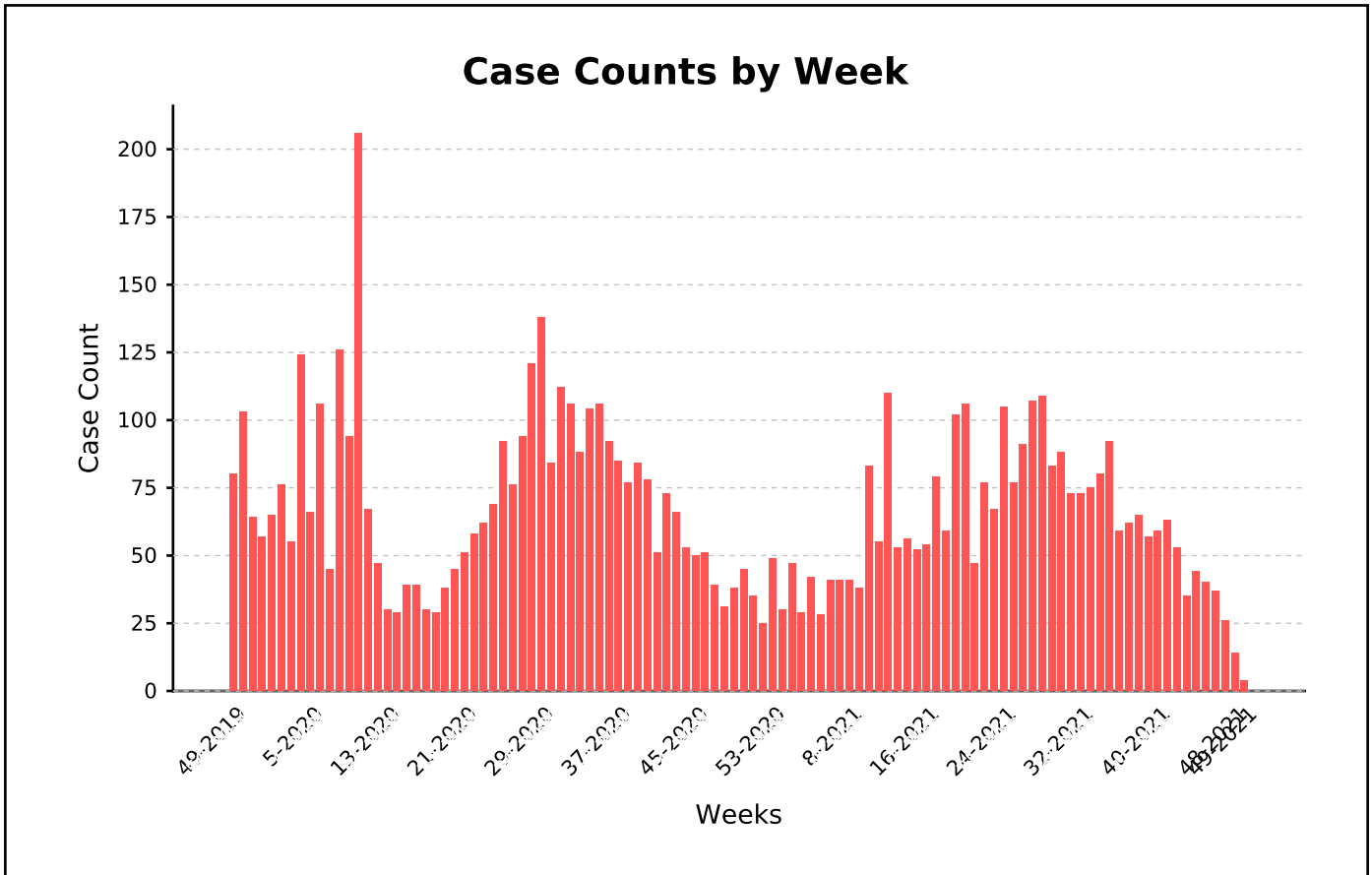
Geographic Area: The State of Michigan

Disease Group: Foodborne

Case Status: Confirmed, Probable, Suspect

Case Types: Individual and Aggregate

Investigation Status: Completed, Completed - Follow Up



Week	Total	Week	Total	Week	Total	Week	Total	Week	Total
49-2019	80	12-2020	47	27-2020	94	42-2020	73	4-2021	42
50-2019	103	13-2020	30	28-2020	121	43-2020	66	5-2021	28
51-2019	64	14-2020	29	29-2020	138	44-2020	53	6-2021	41
52-2019	57	15-2020	39	30-2020	84	45-2020	50	7-2021	41
1-2020	65	16-2020	39	31-2020	112	46-2020	51	8-2021	41
2-2020	76	17-2020	30	32-2020	106	47-2020	39	9-2021	38
3-2020	55	18-2020	29	33-2020	88	48-2020	31	10-2021	83
4-2020	124	19-2020	38	34-2020	104	49-2020	38	11-2021	55
5-2020	66	20-2020	45	35-2020	106	50-2020	45	12-2021	110
6-2020	106	21-2020	51	36-2020	92	51-2020	35	13-2021	53
7-2020	45	22-2020	58	37-2020	85	52-2020	25	14-2021	56
8-2020	126	23-2020	62	38-2020	77	53-2020	49	15-2021	52
9-2020	94	24-2020	69	39-2020	84	1-2021	30	16-2021	54
10-2020	206	25-2020	92	40-2020	78	2-2021	47	17-2021	79
11-2020	67	26-2020	76	41-2020	51	3-2021	29	18-2021	59

Week	Total
19-2021	102
20-2021	106
21-2021	47
22-2021	77
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	73
32-2021	73
33-2021	75
34-2021	80
35-2021	92
36-2021	59
37-2021	62
38-2021	65
39-2021	57
40-2021	59
41-2021	63
42-2021	53
43-2021	35
44-2021	44
45-2021	40
46-2021	37
47-2021	26
48-2021	14
49-2021	4

Report 8: Epi-Curve Graph

Time Period: 12/11/2019 - 12/11/2021

Time Breakdown: by Week

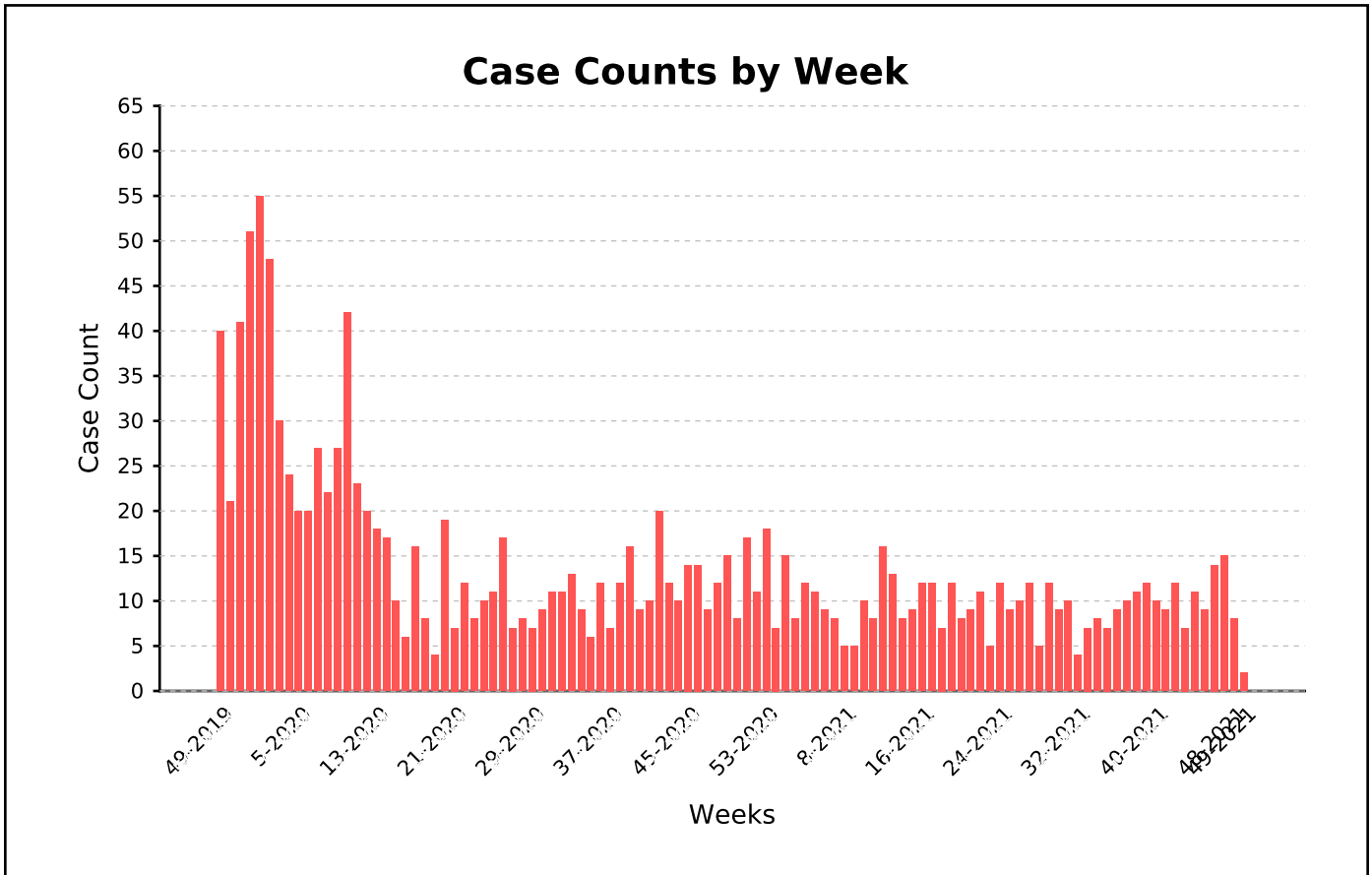
Geographic Area: The State of Michigan

Disease Group: Meningitis

Case Status: Confirmed, Probable, Suspect

Case Types: Individual and Aggregate

Investigation Status: Completed, Completed - Follow Up



Week	Total	Week	Total	Week	Total	Week	Total	Week	Total
49-2019	40	12-2020	20	27-2020	7	42-2020	20	4-2021	12
50-2019	21	13-2020	18	28-2020	8	43-2020	12	5-2021	11
51-2019	41	14-2020	17	29-2020	7	44-2020	10	6-2021	9
52-2019	51	15-2020	10	30-2020	9	45-2020	14	7-2021	8
1-2020	55	16-2020	6	31-2020	11	46-2020	14	8-2021	5
2-2020	48	17-2020	16	32-2020	11	47-2020	9	9-2021	5
3-2020	30	18-2020	8	33-2020	13	48-2020	12	10-2021	10
4-2020	24	19-2020	4	34-2020	9	49-2020	15	11-2021	8
5-2020	20	20-2020	19	35-2020	6	50-2020	8	12-2021	16
6-2020	20	21-2020	7	36-2020	12	51-2020	17	13-2021	13
7-2020	27	22-2020	12	37-2020	7	52-2020	11	14-2021	8
8-2020	22	23-2020	8	38-2020	12	53-2020	18	15-2021	9
9-2020	27	24-2020	10	39-2020	16	1-2021	7	16-2021	12
10-2020	42	25-2020	11	40-2020	9	2-2021	15	17-2021	12
11-2020	23	26-2020	17	41-2020	10	3-2021	8	18-2021	7

Week	Total
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	12
43-2021	7
44-2021	11
45-2021	9
46-2021	14
47-2021	15
48-2021	8
49-2021	2