



Weekly Disease Report For The Week Ending November 13th, 2021 (MMWR Week 45)

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.

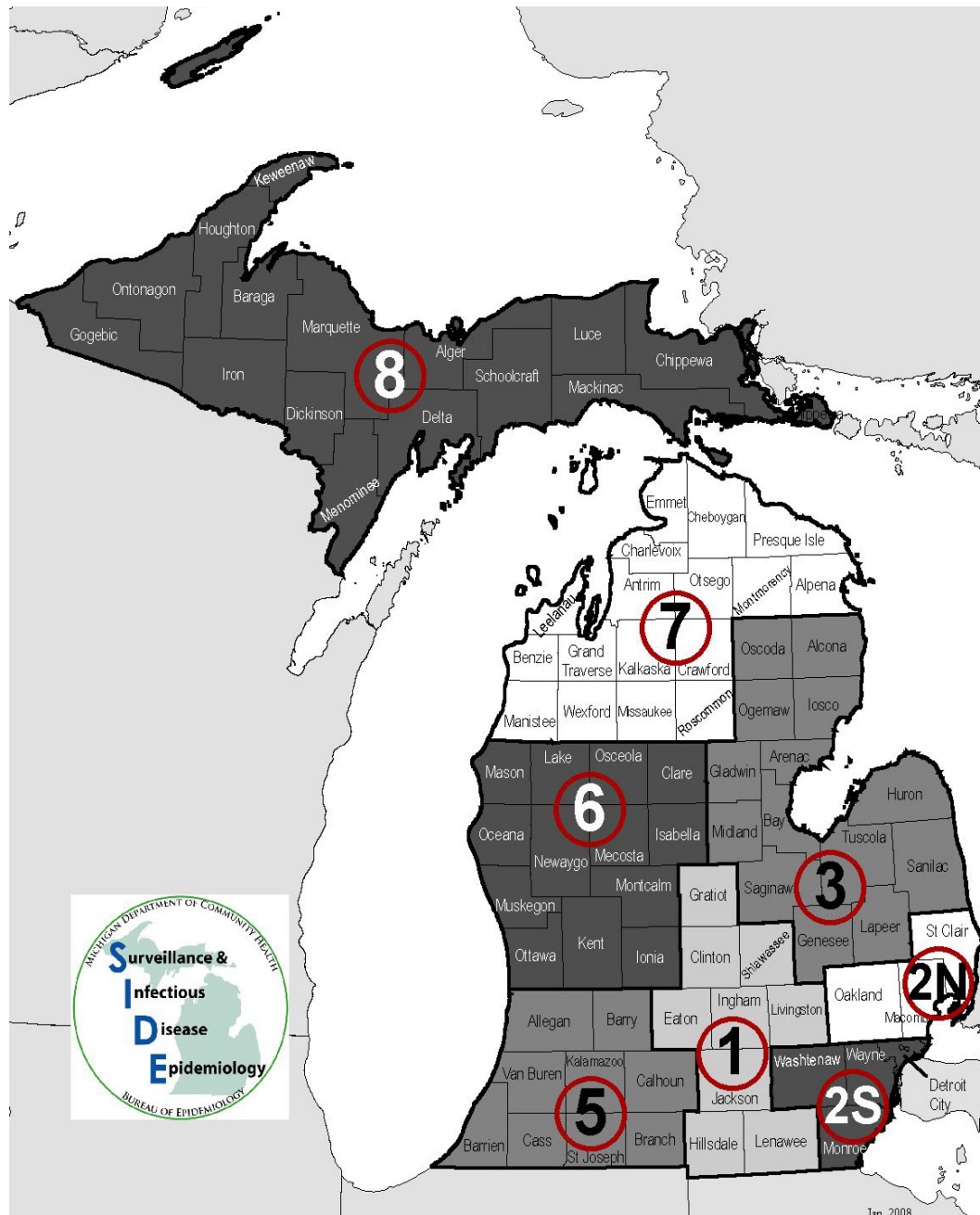
The data in the Weekly Disease Report are provisional, based on current reports to MDHHS by local health departments. The MDSS is a dynamic, continually active system: counts of disease are constantly changing as cases are investigated, confirmed as cases, or ruled out as not meeting the case definition. 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***				
		42-2021	43-2021	44-2021	45-2021	2017	2018	2019	2020	2021
COVID19/MIS										
	Multisystem Inflammatory Syndrome	2	0	12	2	0	0	0	81	117
	Subtotal	2	0	12	2	0	0	0	81	117
Foodborne										
	Amebiasis	1	0	0	0	6	2	9	7	6
	Botulism - Foodborne	0	0	0	0	0	0	0	0	2
	Campylobacter	26	12	21	16	1,738	1,705	1,705	1,221	1,346
	Cryptosporidiosis	5	4	5	4	425	383	419	245	222
	Giardiasis	7	6	6	15	568	465	428	376	366
	Listeriosis	1	1	0	0	0	19	29	29	31
	Listeriosis (2014-2017)*	0	0	0	0	30	4	1	0	0
	Norovirus	5	1	3	2	1,087	1,011	1,481	583	512
	Paratyphoid Fever	0	0	0	0	0	1	4	4	2
	Salmonellosis	23	7	11	6	1,093	1,163	1,077	905	790
	Shiga toxin-producing Escherichia coli --	5	9	6	3	0	0	284	211	236
	Shigellosis	5	5	4	0	460	209	219	151	145
	Typhoid Fever	0	0	0	0	14	6	10	1	3
	Yersinia enterocolitica	1	3	2	4	66	82	76	81	89
	Subtotal	79	48	58	50	5,487	5,050	5,742	3,814	3,750
Influenza										
	Flu Like Disease*	3,189	2,337	2,561	451	394,863	379,206	323,372	193,798	56,120
	Influenza	114	246	284	439	26,017	47,209	32,020	33,054	2,698
	Influenza, Novel	0	0	0	0	2	3	1	0	0
	Subtotal	3,303	2,583	2,845	890	420,882	426,418	355,393	226,852	58,818
Meningitis										
	Meningitis - Aseptic	4	5	8	4	659	827	458	259	240
	Meningitis - Bacterial Other	1	0	3	0	126	149	121	103	122
	Meningococcal Disease	1	0	0	1	6	4	8	3	8
	Streptococcus pneumoniae, Inv	11	14	12	11	842	791	938	529	387
	Subtotal	17	19	23	16	1,633	1,771	1,525	894	757
Other										

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		42-2021	43-2021	44-2021	45-2021	2017	2018	2019	2020	2021
	Acute Flaccid Myelitis (AFM)	0	0	0	0	0	6	3	4	0
	Anthrax	0	0	0	0	0	0	0	0	0
	Blastomycosis	1	1	10	7	22	20	26	24	47
	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	21	11	20	23	0	0	19	268	446
	Candida auris	1	0	0	0	0	0	0	0	2
	Cholera	0	0	0	0	0	0	2	1	1
	Coccidioidomycosis	1	1	1	2	43	40	52	54	86
	Creutzfeldt-Jakob Disease	0	0	0	0	13	12	15	10	14
	Cryptococcosis	0	1	0	2	15	15	18	24	26
	Cyclosporiasis	0	0	0	0	0	0	1	25	45
	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	0	0	0	0	21	10	14	10	15
	Encephalitis, Primary	0	0	0	0	15	18	14	16	10
	Gastrointestinal Illness	1,636	1,438	1,592	269	158,881	154,968	138,801	61,476	36,490
	Guillain-Barre Syndrome	0	0	1	0	54	48	63	50	51
	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	9	8	9	6	178	169	234	192	254
	Kawasaki	0	1	2	0	46	35	55	63	34
	Legionellosis	22	9	13	7	349	643	561	385	573
	Leprosy	0	0	0	0	0	1	0	0	1
	Leptospirosis	0	0	0	0	4	1	3	3	2
	Melioidosis+	0	0	0	0	1	0	0	0	0
	Novel Coronavirus SARS/MERS	0	0	0	0	0	1	0	0	0

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		42-2021	43-2021	44-2021	45-2021	2017	2018	2019	2020	2021
	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*	1	0	0	0	0	3	2	3	7
	Rabies Human	0	0	0	1	0	0	0	0	1
	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	2	3	5	4	458	428	449	340	226
	Streptococcal Toxic Shock	0	0	0	0	2	5	5	4	4
	Streptococcus pneumoniae, Drug Resistant	1	0	1	0	110	96	80	32	25
	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	0	0	0	0	0	0	1
	Vibriosis - Non Cholera	0	2	0	1	1	0	34	27	43
	Subtotal	1,696	1,475	1,654	322	160,231	156,550	140,485	63,035	38,438
Rabies										
	Rabies Animal	1	0	0	1	44	76	58	55	50
	Rabies: Potential Exposure & PEP	63	47	48	42	0	50	5,453	3,649	3,411
	Subtotal	64	47	48	43	44	126	5,511	3,704	3,461
STD										
	Chancroid	0	0	0	0	1	0	0	0	2
	Chlamydia (Genital)	877	855	806	730	51,731	51,616	50,422	44,847	40,836
	Gonorrhea	402	334	380	323	15,388	17,047	18,278	23,403	19,934
	Granuloma Inguinale	0	0	0	0	0	0	0	0	0
	Lymphogranuloma venereum	0	0	0	0	8	16	1	8	3
	Syphilis - Congenital	0	1	0	0	10	14	16	29	35

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		42-2021	43-2021	44-2021	45-2021	2017	2018	2019	2020	2021
	Syphilis - Early Latent	18	10	9	0	342	412	558	566	624
	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	2
	Syphilis - Primary	8	5	9	1	165	228	273	311	310
	Syphilis - Secondary	6	8	9	0	315	426	411	471	524
	Syphilis - To Be Determined	6	15	27	203	0	2	0	0	325
	Syphilis - Unknown Duration or Late	20	10	7	2	8	624	656	666	769
	Subtotal	1,337	1,238	1,247	1,259	68,429	70,385	70,615	70,301	63,364
Tuberculosis										
	Latent Tuberculosis Infection	38	39	33	27	123	1,126	2,053	1,367	1,355
	Nontuberculous Mycobacterium	19	10	6	20	338	840	855	686	644
	Tuberculosis	5	1	6	8	135	117	139	96	122
	Subtotal	62	50	45	55	596	2,083	3,047	2,149	2,121
VPD										
	Chickenpox (Varicella)	6	6	1	2	543	436	422	185	206
	Diphtheria	0	0	0	0	0	0	0	0	2
	H. influenzae Disease - Inv.	7	6	6	3	199	174	223	99	134
	Measles	1	0	0	1	2	19	46	0	4
	Mumps	0	0	0	1	47	81	29	7	13
	Pertussis	12	6	3	13	761	658	546	116	212
	Polio	0	0	0	0	0	0	0	0	0
	Rubella	0	0	0	0	0	0	0	1	8
	Shingles	12	4	11	6	976	1,252	1,222	811	539
	Tetanus	0	0	0	0	2	2	1	0	1
	VZ Infection, Unspecified	11	16	7	17	270	213	228	237	420
Subtotal	49	38	28	43	2,800	2,835	2,717	1,456	1,539	
Vectorborne										
	Babesiosis++	1	0	0	0	3	5	2	1	13
	Chikungunya~	0	0	0	0	0	0	0	0	2
	Dengue Fever	0	0	0	0	0	0	2	9	8

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		42-2021	43-2021	44-2021	45-2021	2017	2018	2019	2020	2021
	Ehrlichiosis*	0	0	0	0	0	0	0	0	0
	Ehrlichiosis, Anaplasma phagocytophilum	1	0	1	3	1	0	2	20	80
	Ehrlichiosis, Anaplasma phagocytophilum	0	0	0	0	15	17	15	0	0
	Ehrlichiosis, Anaplasmosis Undetermined	1	0	0	0	0	0	0	0	1
	Ehrlichiosis, Ehrlichia chaffeensis	0	0	1	1	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	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	18	25	33	19	349	309	487	531	1,282
	Malaria	0	1	1	1	45	29	26	14	11
	Rickettsial Disease - Spotted Fever	0	0	0	0	0	0	2	48	17
	Rickettsial Disease - Typhus	1	0	0	0	0	0	0	0	3
	West Nile Virus	1	0	2	0	0	0	0	33	71
	Yellow Fever	0	0	0	0	0	0	0	0	0
	Zika~~	0	0	0	1	0	0	0	0	6
	Subtotal	23	26	38	25	419	368	541	669	1,526
Viral Hepatitis										
	Hepatitis A	1	1	3	2	705	332	80	24	45
	Hepatitis B, Acute	29	37	39	48	63	80	65	45	1,740
	Hepatitis B, Chronic	19	14	19	10	1,213	1,072	1,010	728	713
	Hepatitis B, Perinatal	0	0	0	0	1	1	0	0	0
	Hepatitis C, Acute	31	43	44	75	233	176	133	143	761

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		42-2021	43-2021	44-2021	45-2021	2017	2018	2019	2020	2021
	Hepatitis C, Chronic	93	76	95	82	11,951	10,333	6,148	4,426	4,201
	Hepatitis C, Perinatal	0	0	0	1	3	11	10	8	14
	Hepatitis E	0	0	0	1	5	9	5	9	11
	Subtotal	173	171	200	219	14,174	12,014	7,451	5,383	7,485

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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 45-2021																								
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 - Typhus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	-	1	-	-	-	11	-	3	-	1	-	-	-	-	1	15	1	5	-	5	1	18	-	7
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	-	5	-	-	1	1	-	-	-	-	-	3	-	3	-	1	-	-	-	2
Shigellosis	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	2	-	-	-	4	-	-
Shingles	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	7	-	3	-	-	-	2	-	-
Streptococcal Dis, Inv, Grp A	-	1	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	8	-	4
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	-
Streptococcus pneumoniae, Inv	-	1	-	-	-	3	-	1	-	-	-	-	-	-	-	5	-	1	-	1	-	6	-	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	-	-	-	-	-	2	-	-	-	-	-	2	-	-
Syphilis - Secondary	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-	2	-	3
Syphilis - To Be Determined	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	2	-	1
Syphilis - Unknown Duration or Late	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	6	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	1
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-	-	-	2
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	-	-	-	2	7	-	-	-	2	-	-	-	-	-	-	-	2	-	3	1	4	-	1
West Nile Virus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	1	-	1	-	2
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
Total	1	47	0	37	15	4,576	0	103	2	193	1	159	1	124	10	2,509	56	1,509	3	86	39	1,725	7	3,799

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Table of Diseases by Geographic Location																								
Time Period: Week 45-2021																								
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	-	-	-	-
Botulism - Foodborne	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Botulism - Infant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botulism - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Brucellosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Campylobacter	-	18	-	4	-	6	-	7	-	6	-	7	-	15	-	5	-	8	-	65	-	17	-	12
Candida auris	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chancroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chickenpox (Varicella)	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	1	-	3	-
Chikungunya-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlamydia (Genital)	13	815	-	142	-	34	-	37	1	70	1	54	-	195	-	18	1	43	142	8,250	-	57	7	312
Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Coccidioidomycosis	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	3	-	-	-	-
CP-CRE	1	3	-	2	-	1	-	3	-	1	-	-	-	2	-	-	-	-	4	139	-	-	-	-
Creutzfeldt-Jakob Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Cryptococcosis	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	-	-	-
Cryptosporidiosis	-	7	-	2	-	2	-	1	-	1	-	-	-	1	-	1	-	3	-	2	-	4	-	-
Cyclosporiasis	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	1	-	-
Dengue Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	22	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Encephalitis, Powassan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Primary	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flu Like Disease*	-	1,651	-	332	-	191	-	-	-	12	298	-	-	-	-	-	64	-	-	-	384	-	1,093	-
Gastrointestinal Illness	-	2,029	-	472	-	37	-	-	-	94	21	437	-	-	-	-	-	-	-	-	504	-	2,738	-
Giardiasis	-	5	-	-	-	5	-	-	-	3	-	-	-	1	-	-	-	1	-	14	-	4	-	5
Gonorrhea	2	457	-	58	-	5	-	7	-	11	-	19	-	66	-	5	-	1	76	5,200	-	4	-	147
Granuloma Inguinale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Guillain-Barre Syndrome	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-

Table of Diseases by Geographic Location																								
Time Period: Week 45-2021																								
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
H. influenzae Disease - Inv.	-	4	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-	2	-	14	-	1	-	-
Hantavirus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hantavirus, Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hantavirus, Pulmonary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemolytic Uremic Syndrome	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hepatitis A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
Hepatitis B, Acute	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	3	9	599	-	-	1	7
Hepatitis B, Chronic	-	8	-	1	-	1	-	1	-	-	-	-	-	4	-	-	-	-	1	66	-	-	-	4
Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hepatitis C, Acute	1	2	1	4	-	2	-	-	-	2	-	-	-	1	-	1	-	8	-	4	-	3	3	28
Hepatitis C, Chronic	4	47	-	9	-	6	-	13	-	19	-	13	-	15	-	10	-	24	19	590	1	20	-	41
Hepatitis C, Perinatal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Hepatitis E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Histoplasmosis	-	2	-	4	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	4	-	1	1	9
Influenza	-	5	-	-	-	-	-	1	-	11	-	15	-	1	-	-	-	2	9	162	-	-	-	3
Influenza, Novel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kawasaki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-
Latent Tuberculosis Infection	1	25	-	-	-	1	-	1	-	-	-	2	-	4	-	1	-	3	4	118	-	3	-	6
Legionellosis	-	6	-	2	-	-	-	-	-	2	-	2	-	1	-	1	-	-	4	94	-	1	-	6
Leprosy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptospirosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Listeriosis	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-
Listeriosis (2014-2017)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lyme Disease	1	42	-	45	-	1	-	-	-	-	-	-	-	10	-	-	1	26	-	7	3	103	-	9
Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2	-	-	-	1
Measles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Melioidosis+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis - Aseptic	-	5	-	3	-	-	-	-	-	-	-	-	-	1	-	1	-	1	2	34	-	-	-	3
Meningitis - Bacterial Other	-	1	-	2	-	-	-	-	-	-	-	-	3	-	-	-	-	1	-	17	-	-	-	-
Meningococcal Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-
Multisystem Inflammatory Syndrome	-	3	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	19	-	-	-	-
Mumps	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Nontuberculous Mycobacterium	-	11	-	1	-	2	-	1	-	-	-	-	-	7	-	-	-	-	1	116	-	-	-	8
Norovirus	-	2	-	1	-	18	-	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	1
Novel Coronavirus SARS/MERS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paratyphoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pertussis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	2
Plague	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polio	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Psittacosis	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q Fever*	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-
Q Fever Acute	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q Fever Chronic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabies: Potential Exposure & PEP	-	6	-	4	-	5	-	51	-	10	-	107	-	79	-	1	-	25	-	63	-	8	-	34
Rabies Animal	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	1
Rabies Human	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reye Syndrome	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-

Table of Diseases by Geographic Location																								
Time Period: Week 45-2021																								
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 - Typhus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	1	16	-	7	-	3	-	1	-	9	-	4	-	6	-	-	-	-	-	27	-	2	-	13
Shiga toxin-producing Escherichia coli --(STEC)	-	5	-	1	-	1	-	-	-	-	-	5	-	2	-	1	-	-	-	4	-	2	-	5
Shigellosis	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	16	-	-	-	2
Shingles	1	10	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-	11	-	-	-	4
Streptococcal Dis, Inv, Grp A	-	4	-	1	-	-	-	2	-	-	-	1	-	1	-	-	-	-	1	37	-	-	-	2
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	-	-	-	-
Streptococcus pneumoniae, Inv	1	18	-	2	-	1	-	-	-	-	-	4	-	2	-	3	-	1	-	50	-	-	-	3
Syphilis - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-
Syphilis - Early Latent	-	4	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	210	-	-	-	1
Syphilis - Late Latent*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	103	-	-	-	3
Syphilis - Secondary	-	8	-	-	-	1	-	-	-	1	-	1	-	1	-	-	-	-	-	171	-	1	-	1
Syphilis - To Be Determined	2	4	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	44	72	-	-	-	-
Syphilis - Unknown Duration or Late	-	7	-	1	-	-	-	-	-	1	-	1	-	3	-	-	-	-	1	252	-	2	-	7
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	25	-	-	-	-
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	1	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	2	-	1	-	1	-	5	-	-	-	-	-	10	-	2	-	1	-	68	-	-	-	-
West Nile Virus	-	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	9	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	5	-	2	-	-	-	2	-	-	-	-	-	-	-	2	-	1	-	2	-	-	-	1
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Total	28	5,252	1	1,108	1	331	0	137	1	245	34	977	0	442	0	53	2	229	321	16,719	4	1,154	12	4,519

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 45-2021																								
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 - Typhus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	-	1	-	34	-	3	-	-	-	7	-	4	-	4	-	2	-	1	-	20	-	8	-	3
Shiga toxin-producing Escherichia coli --(STEC)	-	1	-	3	-	1	-	1	-	7	-	3	-	2	-	-	-	2	-	21	-	1	-	-
Shigellosis	-	-	-	3	-	-	-	-	-	1	-	2	-	-	-	-	-	1	-	5	-	-	-	-
Shingles	-	6	-	8	-	-	-	-	-	7	-	-	-	-	-	2	-	-	1	28	-	6	-	-
Streptococcal Dis, Inv, Grp A	-	-	-	12	-	-	-	-	-	1	-	5	-	1	-	-	-	1	-	5	-	2	-	-
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Streptococcus pneumoniae, Inv	-	-	1	21	-	2	-	-	1	4	-	1	-	2	-	1	-	2	-	14	-	3	-	-
Syphilis - Congenital	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Early Latent	-	1	-	9	-	-	-	-	-	3	-	3	-	-	-	-	-	-	21	-	1	-	-	-
Syphilis - Late Latent*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	1	-	-	-
Syphilis - Secondary	-	-	-	8	-	1	-	-	-	1	-	1	-	1	-	-	-	1	-	9	-	2	-	-
Syphilis - To Be Determined	-	-	3	7	-	-	-	-	1	2	-	-	-	-	-	-	-	-	8	9	-	-	-	-
Syphilis - Unknown Duration or Late	-	-	-	24	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	31	-	1	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	1	1	-	7	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3	-	1	-	-
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	5	3	11	-	2	-	-	-	-	-	-	-	1	-	1	-	1	-	2	-	4	-	-
West Nile Virus	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	-	-	2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	5	-	1	-	-
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	2	1,059	98	4,701	9	281	14	436	11	558	4	211	3	1,517	0	336	6	867	68	2,948	2	572	1	66

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 45-2021																								
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	-	2	-	-	-	-	-	-	-	-	8	-	-	-	-	-	1	-	1	-	-	-	-	-
Botulism - Foodborne	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botulism - Infant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botulism - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brucellosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Campylobacter	-	3	-	8	-	14	-	29	-	3	1	92	-	-	-	-	7	-	2	-	16	-	21	
Candida auris	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chancroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chickenpox (Varicella)	-	-	-	1	-	-	-	4	-	-	-	15	-	-	-	-	8	-	-	-	-	-	-	4
Chikungunya-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Chlamydia (Genital)	1	23	7	249	16	729	37	1,678	2	47	56	3,359	-	2	-	13	5	154	-	40	4	216	4	280
Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coccidioidomycosis	-	-	-	-	-	-	-	2	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-	3
CP-CRE	-	-	-	1	-	1	-	2	-	-	1	8	-	-	-	-	3	-	-	-	-	-	-	9
Creutzfeldt-Jakob Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Cryptococcosis	-	-	-	-	-	-	-	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	1
Cryptosporidiosis	-	1	-	2	-	2	-	11	-	1	-	14	-	-	-	-	1	-	3	-	3	-	6	
Cyclosporiasis	-	-	-	-	-	-	-	4	-	3	-	1	-	-	-	1	-	-	-	1	-	-	2	
Dengue Fever	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, Anaplasma phagocytophilum	-	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*	-	27	-	517	3	1,590	113	1,346	-	155	-	1	-	-	10	284	-	400	-	-	-	2	-	6,102
Gastrointestinal Illness	-	259	-	180	-	636	141	3,102	-	67	-	78	-	-	3	80	-	232	-	-	-	39	-	2,115
Giardiasis	-	-	-	-	-	3	-	17	-	2	1	26	-	-	-	3	-	2	-	2	-	4	-	9
Gonorrhea	-	2	1	59	10	374	12	946	-	3	31	1,670	-	-	-	8	-	34	-	6	-	66	4	48
Granuloma Inguinale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Guillain-Barre Syndrome	-	-	-	-	-	1	-	2	-	-	-	1	-	-	-	-	-	1	-	1	-	1	-	2

Table of Diseases by Geographic Location																								
Time Period: Week 45-2021																								
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 - Typhus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	-	-	-	2	-	17	-	17	-	2	-	63	-	-	1	3	-	7	-	1	-	9	-	8
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	1	-	3	-	11	-	-	-	21	-	-	1	2	-	3	-	-	-	4	1	3
Shigellosis	-	-	-	1	-	-	-	7	-	-	-	19	-	-	-	-	-	1	-	1	-	1	-	-
Shingles	-	-	-	-	-	8	-	32	-	-	-	34	-	-	-	-	-	-	-	-	-	1	-	27
Streptococcal Dis, Inv, Grp A	-	-	-	-	-	5	-	10	-	-	-	21	-	-	-	1	-	3	-	-	-	1	-	4
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	1	-	2	-	3	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Streptococcus pneumoniae, Inv	-	2	-	1	-	6	-	10	-	-	2	28	-	-	-	1	-	5	-	1	-	2	-	3
Syphilis - Congenital	-	-	-	-	-	1	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Early Latent	-	1	-	-	-	5	-	22	-	-	-	30	-	-	-	1	-	-	-	-	-	1	-	3
Syphilis - Late Latent*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	-	-	-	-	-	-	29	-	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Secondary	-	-	-	-	-	3	-	31	-	-	-	37	-	-	-	-	1	-	-	-	-	2	-	2
Syphilis - To Be Determined	-	-	-	-	8	17	9	13	-	-	35	55	-	-	-	1	2	3	-	-	1	2	1	2
Syphilis - Unknown Duration or Late	-	-	-	3	-	30	-	32	-	-	-	54	-	-	-	8	-	-	-	2	-	5	-	1
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	-	-	1	-	2	-	2	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	1
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	-	-	1	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-
VISA	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	1	-	-	-	4	-	-	-	3	3	17	-	-	-	1	-	2	-	2	-	2	-	3
West Nile Virus	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	1	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	-	-	1	-	1	-	3	-	-	1	10	-	-	-	-	-	1	-	-	-	1	-	3
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	2	348	13	1,182	56	4,206	319	7,895	2	306	164	6,623	0	6	15	420	9	951	0	85	12	603	14	8,852

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 45-2021																								
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	-	1	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-
Blastomycosis	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Botulism - Foodborne	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botulism - Infant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botulism - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brucellosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Campylobacter	-	1	-	1	2	114	-	5	-	8	-	8	-	11	-	10	-	11	-	6	-	22	1	19
Candida auris	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chancroid	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chickenpox (Varicella)	-	-	-	-	-	23	-	-	-	1	-	-	-	-	-	-	1	-	-	1	5	-	1	-
Chikungunya~	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlamydia (Genital)	-	5	-	25	43	2,894	-	40	5	161	-	32	6	127	-	30	1	136	-	23	4	294	4	196
Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coccidioidomycosis	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-
CP-CRE	-	-	-	-	6	67	-	-	1	2	-	-	-	-	-	-	2	-	-	-	3	-	1	-
Creutzfeldt-Jakob Disease	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Cryptococcosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
Cryptosporidiosis	-	-	-	1	-	2	-	4	-	-	-	2	-	3	-	5	1	3	-	-	-	1	-	3
Cyclosporiasis	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Dengue Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	1	-	5	-	-	-	-	-	-	6	-	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	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Powassan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Primary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flu Like Disease*	-	4	-	1	-	-	-	-	-	24	-	549	-	455	-	13	43	1,121	-	71	-	578	-	280
Gastrointestinal Illness	-	15	-	-	-	39	-	-	-	7	-	346	-	208	-	4	23	607	-	63	-	-	-	324
Giardiasis	-	-	-	-	-	12	-	1	-	5	-	4	-	3	-	1	-	2	-	-	-	2	-	3
Gonorrhea	-	1	-	4	25	1,298	-	8	-	15	-	5	-	35	-	2	-	32	-	13	1	67	-	56
Granuloma Inguinale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Guillain-Barre Syndrome	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1

Table of Diseases by Geographic Location																								
Time Period: Week 45-2021																								
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 - Typhus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	-	1	-	-	-	55	-	4	-	7	-	4	-	10	-	3	-	13	-	4	-	7	-	8
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	-	10	-	2	-	-	-	2	-	5	-	2	-	1	-	2	-	3	-	3
Shigellosis	-	-	-	-	-	6	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	3	-	-
Shingles	-	-	-	-	-	130	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-
Streptococcal Dis, Inv, Grp A	-	-	-	-	-	14	-	-	-	-	-	2	-	1	-	-	-	2	-	-	-	2	-	1
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Streptococcus pneumoniae, Inv	-	-	-	-	-	18	-	4	-	-	-	1	1	5	-	1	-	-	-	-	-	3	-	3
Syphilis - Congenital	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Early Latent	-	-	-	-	-	54	-	-	-	1	-	-	-	2	-	-	-	1	-	1	-	4	-	2
Syphilis - Late Latent*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	-	-	-	-	27	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1	-	-
Syphilis - Secondary	-	-	-	-	-	49	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	2	-	1
Syphilis - To Be Determined	-	-	-	-	11	20	-	-	-	-	-	-	1	1	-	-	1	1	-	-	-	1	2	3
Syphilis - Unknown Duration or Late	-	-	-	-	-	55	-	-	-	1	-	-	-	3	-	-	-	1	-	-	-	3	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	-	-	-	-	15	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-
VISA	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	-	-	-	2	9	-	1	-	-	-	1	-	1	-	2	-	2	-	1	-	-	-	5
West Nile Virus	-	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	-	-	-	1	1	-	-	-	-	-	1	-	2	-	-	1	2	-	-	-	2	-	-
Zika	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	50	0	43	125	5,740	0	99	14	417	0	988	9	906	0	161	80	2,241	2	201	12	1,352	9	1,139

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 45-2021																								
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 - Typhus	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	-	2	-	13	-	4	-	78	1	9	-	5	-	-	-	2	-	-	-	-	-	-	34	-
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	2	-	1	-	17	-	-	-	-	-	-	1	-	-	-	-	-	-	-	5	-
Shigellosis	-	-	-	4	-	-	-	15	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shingles	-	-	-	3	-	2	1	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-
Streptococcal Dis, Inv, Grp A	-	1	-	8	-	1	-	8	-	-	-	-	-	-	-	-	1	-	-	-	-	-	3	-
Streptococcal Toxic Shock	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Inv	-	-	1	9	1	4	-	19	-	1	-	-	-	-	-	4	-	3	-	-	-	1	11	-
Syphilis - Congenital	-	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Syphilis - Early Latent	-	-	-	3	-	1	-	95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-
Syphilis - Late Latent*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	-	-	4	-	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-
Syphilis - Secondary	-	-	-	1	-	1	-	67	-	-	-	-	-	-	-	2	-	-	-	-	-	-	3	-
Syphilis - To Be Determined	-	-	11	17	1	1	15	25	-	-	-	-	-	-	-	-	-	-	-	-	-	8	12	-
Syphilis - Unknown Duration or Late	-	-	-	9	-	1	-	77	-	-	-	-	-	1	-	-	-	-	-	-	-	-	7	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	1	-	1	-	-	2	29	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	1	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	-	-	8	-	-	-	15	-	1	-	-	-	-	-	2	-	-	-	-	-	-	4	-
West Nile Virus	-	-	-	1	-	1	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	-	-	1	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	0	20	51	2,466	8	366	157	8,308	45	1,288	0	60	1	194	3	238	0	40	1	0	30	25,225	0	29

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 45-2021																								
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	6	12	1	4	-	-
Botulism - Foodborne	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botulism - Infant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botulism - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brucellosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	-
Campylobacter	-	2	-	22	-	5	-	3	-	11	-	21	-	15	-	5	-	19	-	62	1	158	-	8
Candida auris	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chancroid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chickenpox (Varicella)	-	-	-	3	-	1	-	-	-	1	-	2	-	-	-	2	-	-	-	5	-	12	-	-
Chikungunya~	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Chlamydia (Genital)	-	25	33	1,110	1	47	-	10	1	143	6	288	3	168	3	89	3	214	23	1,258	64	4,010	-	52
Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coccidioidomycosis	-	1	-	3	-	2	-	-	-	2	-	-	-	1	-	-	-	-	-	2	-	9	-	-
CP-CRE	-	-	-	5	-	-	-	-	-	2	-	11	-	1	-	2	-	3	-	11	2	81	-	-
Creutzfeldt-Jakob Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3	-	-
Cryptococcosis	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	4	-	-
Cryptosporidiosis	-	1	1	6	-	3	-	-	-	-	-	2	-	3	-	3	-	5	-	14	-	6	-	5
Cyclosporiasis	-	-	-	2	-	-	-	-	-	-	-	-	-	1	-	-	-	3	-	3	-	1	-	-
Dengue Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2	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*	-	-	-	1,901	-	-	-	-	-	112	41	1,617	-	829	-	1,003	-	365	113	1,090	29	6,311	-	503
Gastrointestinal Illness	-	-	-	1,556	-	-	-	-	-	354	-	-	-	1,667	-	315	71	626	-	-	-	385	-	-
Giardiasis	-	-	-	7	-	2	-	2	-	2	-	5	-	5	-	3	-	5	1	14	2	25	1	2
Gonorrhea	-	3	7	565	1	16	-	1	1	59	2	134	2	120	-	11	1	59	14	480	31	1,821	-	20
Granuloma Inguinale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Guillain-Barre Syndrome	-	1	-	2	-	1	-	-	-	-	-	1	-	-	-	2	-	-	-	3	-	4	-	-

Table of Diseases by Geographic Location																								
Time Period: Week 45-2021																								
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
H. influenzae Disease - Inv.	-	-	-	5	-	-	-	-	-	2	-	2	-	1	-	-	-	1	-	3	1	16	-	-
Hantavirus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Hantavirus, Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hantavirus, Pulmonary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Hemolytic Uremic Syndrome	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hepatitis A	-	-	-	1	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	4	-	16	-	-
Hepatitis B, Acute	-	2	1	5	-	-	-	1	1	4	-	2	1	13	-	1	1	3	1	5	8	104	-	-
Hepatitis B, Chronic	-	-	-	6	-	2	-	1	-	2	-	9	-	3	-	-	-	4	-	44	1	74	-	1
Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hepatitis C, Acute	-	-	-	-	-	-	-	1	1	4	1	7	1	14	-	3	1	6	11	202	2	8	-	-
Hepatitis C, Chronic	-	16	1	58	-	5	-	1	-	24	2	45	-	13	-	5	-	17	-	81	16	656	-	18
Hepatitis C, Perinatal	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-
Hepatitis E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	6	-	-
Histoplasmosis	-	-	-	-	-	-	-	-	-	1	1	1	-	6	-	-	-	15	-	2	-	15	-	-
Influenza	-	3	2	5	-	5	-	-	-	-	2	4	-	18	1	3	-	-	343	1,171	16	713	2	2
Influenza, Novel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kawasaki	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	5	-	-
Latent Tuberculosis Infection	-	-	-	70	-	5	-	-	-	5	-	14	-	10	-	5	-	8	-	6	7	132	-	-
Legionellosis	-	3	-	12	-	-	-	-	-	3	-	9	-	3	-	1	-	4	-	16	1	107	-	-
Leprosy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Leptospirosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Listeriosis	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	3	-	-
Listeriosis (2014-2017)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lyme Disease	-	-	-	5	-	3	-	8	-	4	-	5	1	27	-	2	-	28	1	48	1	77	-	1
Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Malaria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Measles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-
Melioidosis+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis - Aseptic	-	-	-	1	-	-	-	-	-	1	-	1	-	-	-	1	-	4	-	16	-	32	-	-
Meningitis - Bacterial Other	-	-	-	-	-	1	-	-	-	-	-	3	-	2	-	1	-	1	-	3	-	13	-	-
Meningococcal Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Multisystem Inflammatory Syndrome	-	-	-	5	-	-	-	-	-	-	-	1	-	-	-	1	-	3	1	4	-	17	-	-
Mumps	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	3	-	-
Nontuberculous Mycobacterium	-	-	-	4	-	-	-	-	-	6	-	8	-	3	-	-	-	2	1	36	3	90	-	2
Norovirus	-	-	-	73	-	-	-	1	-	-	-	2	-	5	-	-	-	9	-	2	-	6	-	-
Novel Coronavirus SARS/MERS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paratyphoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pertussis	-	-	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	6	6	2	158	-	3
Plague	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polio	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Psittacosis	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Q Fever*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	-	
Q Fever Acute	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q Fever Chronic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Rabies: Potential Exposure & PEP	-	42	1	27	1	49	-	1	-	5	-	49	-	1	3	43	-	1	3	103	5	238	-	4
Rabies Animal	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1	-	7	-	4	-	1
Rabies Human	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reye Syndrome	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	4	-	-

Table of Diseases by Geographic Location																								
Time Period: Week 45-2021																								
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 - Typhus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-
Rubella	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	-	-	-	20	-	5	-	-	-	2	-	10	-	8	-	5	-	8	-	25	-	64	-	3
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	7	-	2	-	-	-	1	-	2	-	-	-	-	-	1	-	18	-	17	-	-
Shigellosis	-	-	-	3	-	-	-	-	-	1	-	1	-	1	-	-	-	2	-	9	-	22	-	1
Shingles	-	-	-	4	-	-	-	-	-	-	-	17	-	-	-	1	2	4	1	79	-	5	-	-
Streptococcal Dis, Inv, Grp A	-	-	-	6	-	-	-	-	-	-	-	3	-	-	-	1	-	1	-	4	2	27	-	-
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Inv	-	1	-	11	-	4	-	-	-	3	-	1	-	9	2	2	-	9	-	4	-	42	-	-
Syphilis - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-
Syphilis - Early Latent	-	-	-	3	-	-	-	-	-	3	-	3	-	1	-	-	-	1	-	11	-	98	-	1
Syphilis - Late Latent*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	-	-	2	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	14	1	43	-	-
Syphilis - Secondary	-	-	-	6	-	-	-	-	-	-	-	8	-	1	-	-	-	1	-	18	-	65	-	-
Syphilis - To Be Determined	-	-	-	-	1	1	-	-	-	-	2	3	1	1	-	-	-	-	5	7	23	32	-	-
Syphilis - Unknown Duration or Late	-	-	-	6	-	-	-	-	-	5	-	4	-	-	-	1	-	4	-	21	1	87	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	-	-	5	-	-	-	-	-	1	-	1	-	2	-	-	-	-	4	2	21	-	-	-
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	11	-	-	-
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	1	-	2	-	-	-	-	-	4	-	-	-	1	1	1	1	3	-	3	3	180	-	-
West Nile Virus	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	18	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	-	-	1	-	1	-	1	-	-	-	-	-	1	-	-	-	-	-	7	1	11	-	-
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-
Total	0	101	46	5,540	4	160	1	33	4	774	57	2,301	9	2,957	10	1,512	80	1,449	533	4,966	226	16,114	3	627

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: 11/13/2019 - 11/13/2021

Time Breakdown: by Week

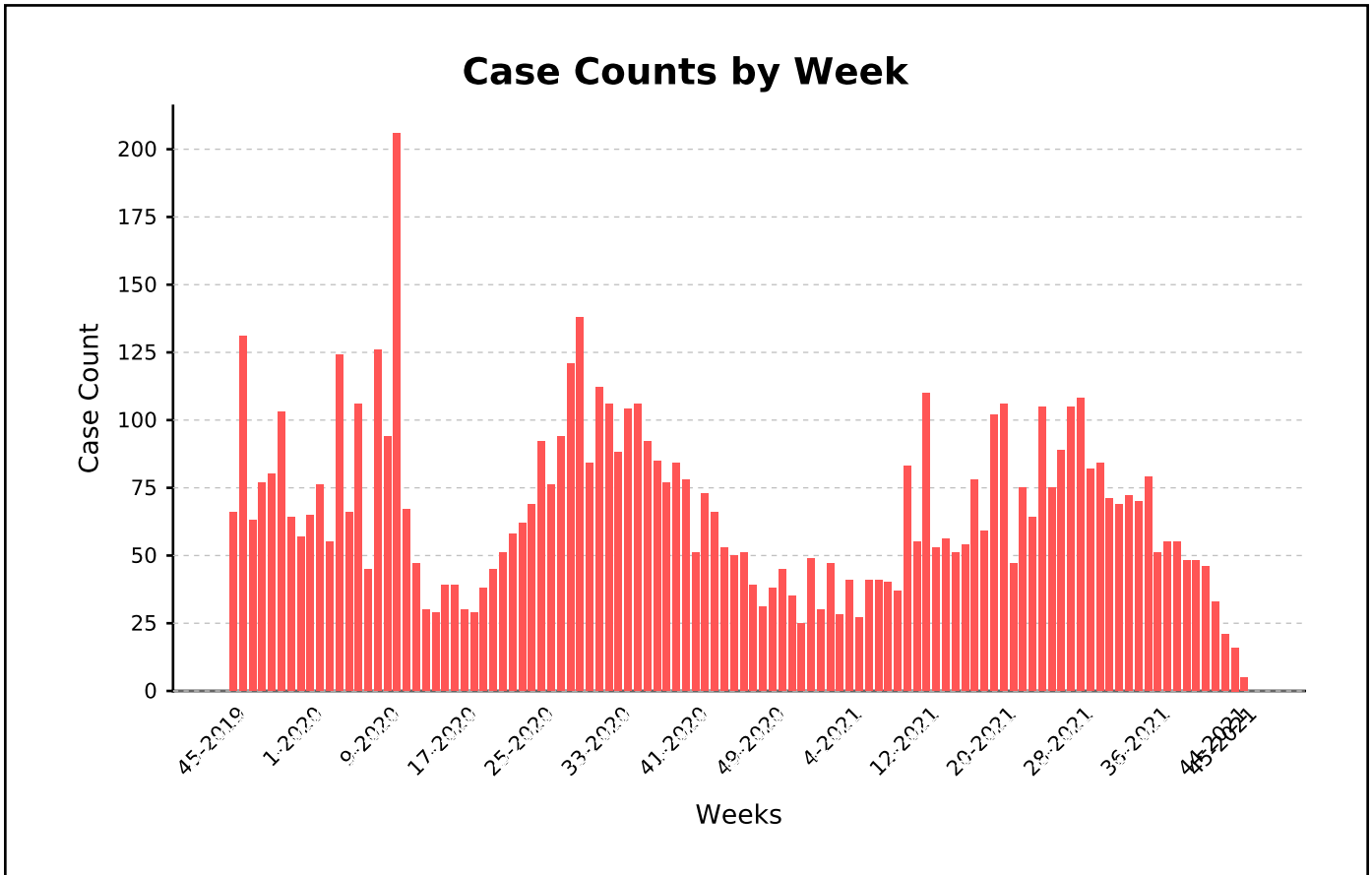
Geographic Area: The State of Michigan

Disease Group: Foodborne

Case Status: Confirmed, Probable, Suspect

Case Types: Individual and Aggregate

Investigation Status: Completed, Completed - Follow Up



Week	Total
45-2019	66
46-2019	131
47-2019	63
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

Week	Total
8-2020	126
9-2020	94
10-2020	206
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

Week	Total
23-2020	62
24-2020	69
25-2020	92
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

Week	Total
38-2020	77
39-2020	84
40-2020	78
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

Week	Total
53-2020	49
1-2021	30
2-2021	47
3-2021	28
4-2021	41
5-2021	27
6-2021	41
7-2021	41
8-2021	40
9-2021	37
10-2021	83
11-2021	55
12-2021	110
13-2021	53
14-2021	56

Week	Total
15-2021	51
16-2021	54
17-2021	78
18-2021	59
19-2021	102
20-2021	106
21-2021	47
22-2021	75
23-2021	64
24-2021	105
25-2021	75
26-2021	89
27-2021	105
28-2021	108
29-2021	82
30-2021	84
31-2021	71
32-2021	69
33-2021	72
34-2021	70
35-2021	79
36-2021	51
37-2021	55
38-2021	55
39-2021	48
40-2021	48
41-2021	46
42-2021	33
43-2021	21
44-2021	16
45-2021	5

Report 8: Epi-Curve Graph

Time Period: 11/13/2019 - 11/13/2021

Time Breakdown: by Week

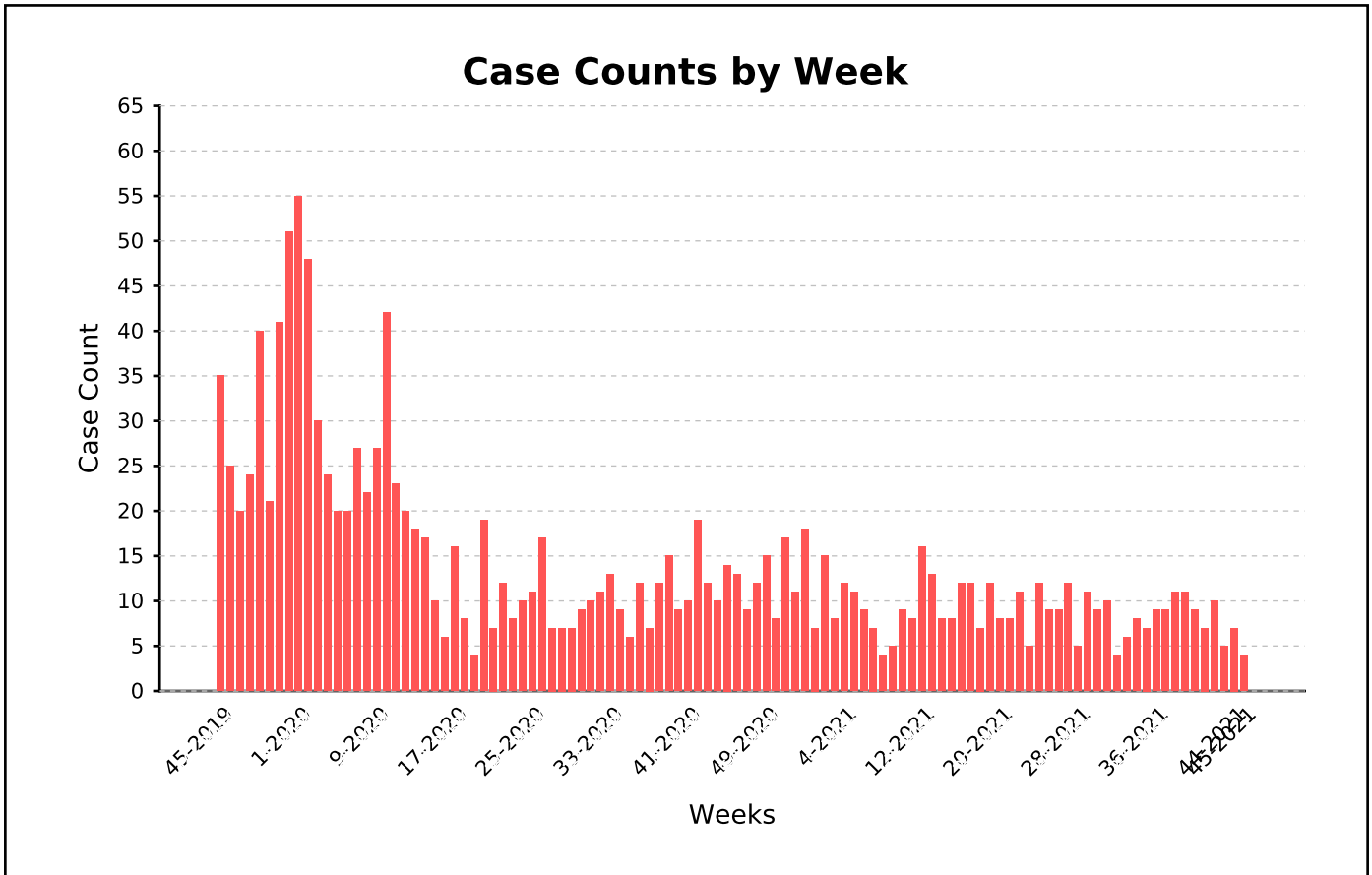
Geographic Area: The State of Michigan

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
45-2019	35	8-2020	22	23-2020	8	38-2020	12	53-2020	18
46-2019	25	9-2020	27	24-2020	10	39-2020	15	1-2021	7
47-2019	20	10-2020	42	25-2020	11	40-2020	9	2-2021	15
48-2019	24	11-2020	23	26-2020	17	41-2020	10	3-2021	8
49-2019	40	12-2020	20	27-2020	7	42-2020	19	4-2021	12
50-2019	21	13-2020	18	28-2020	7	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	7
1-2020	55	16-2020	6	31-2020	10	46-2020	13	8-2021	4
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	9
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

Week	Total
15-2021	8
16-2021	12
17-2021	12
18-2021	7
19-2021	12
20-2021	8
21-2021	8
22-2021	11
23-2021	5
24-2021	12
25-2021	9
26-2021	9
27-2021	12
28-2021	5
29-2021	11
30-2021	9
31-2021	10
32-2021	4
33-2021	6
34-2021	8
35-2021	7
36-2021	9
37-2021	9
38-2021	11
39-2021	11
40-2021	9
41-2021	7
42-2021	10
43-2021	5
44-2021	7
45-2021	4