



Weekly Disease Report For The Week Ending December 30th, 2017 (MMWR Week 52)

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.

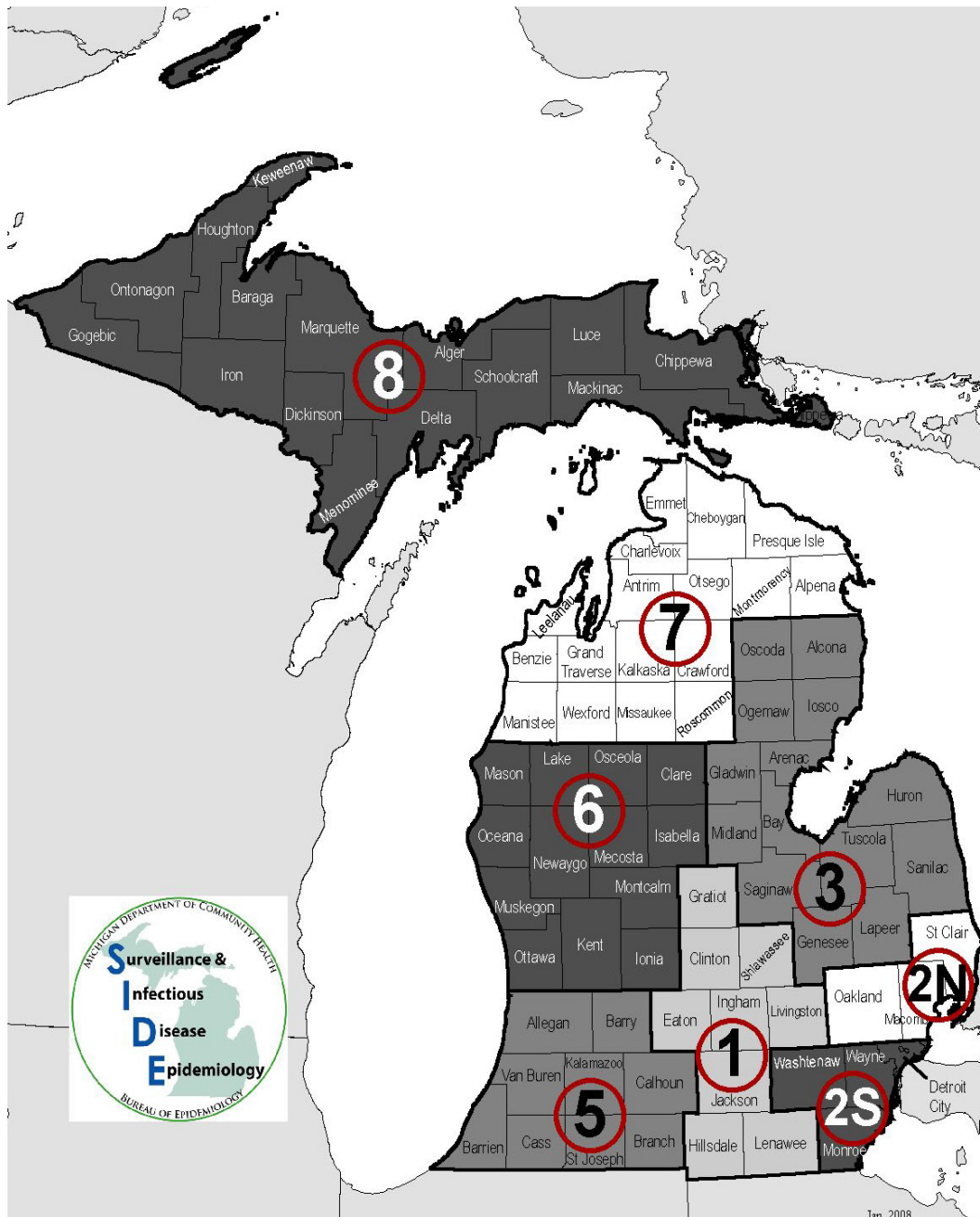
The data in the Weekly Disease Report are provisional, based on current reports to MDHHS by local health departments. The MDSS is a dynamic, continually active system: counts of disease are constantly changing as cases are investigated, confirmed as cases, or ruled out as not meeting the case definition. 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***				
		49-2017	50-2017	51-2017	52-2017	2013	2014	2015	2016	2017
Foodborne	Amebiasis	0	0	0	0	35	23	33	15	6
	Botulism - Foodborne	0	0	0	0	0	0	0	0	0
	Campylobacter	27	28	24	26	1,285	1,194	1,348	1,644	1,736
	Cryptosporidiosis	4	2	6	7	267	249	240	437	425
	Giardiasis	4	5	4	10	548	514	454	587	567
	Listeriosis	0	0	0	0	0	0	0	0	0
	Listeriosis (2014-2017)*	1	1	0	1	1	19	20	18	30
	Norovirus	4	65	41	103	327	341	768	1,433	1,075
	Paratyphoid Fever	0	0	0	0	0	0	0	0	0
	Salmonellosis	15	21	7	17	1,013	1,050	970	1,069	1,093
	Shiga toxin-producing Escherichia coli --	5	1	3	7	213	150	147	201	201
	Shiga toxin-producing Escherichia coli --	0	0	0	0	0	0	0	0	0
	Shigellosis	5	1	2	5	175	308	515	706	460
	Typhoid Fever	0	0	0	1	5	8	9	7	13
	Yersinia enterocolitica	1	0	0	1	24	24	21	41	66
Subtotal		66	124	87	178	3,893	3,880	4,525	6,158	5,672
Influenza	Flu Like Disease*	12,458	11,908	8,658	1,688	378,616	280,888	298,594	321,126	394,778
	Influenza	309	456	823	1,294	6,062	7,918	7,372	14,458	25,933
	Influenza, Novel	0	0	0	0	24	1	0	22	2
	Subtotal	12,767	12,364	9,481	2,982	384,702	288,807	305,966	335,606	420,713
Meningitis	Meningitis - Aseptic	8	8	3	8	958	679	809	665	658
	Meningitis - Bacterial Other	2	1	1	0	116	140	142	168	126
	Meningococcal Disease	0	0	0	0	5	14	8	7	6
	Streptococcus pneumoniae, Inv	25	14	21	34	617	520	694	813	837
	Subtotal	35	23	25	42	1,696	1,353	1,653	1,653	1,627
Other	Acute Flaccid Myelitis (AFM)	0	0	0	0	0	0	0	0	0
	Anthrax	0	0	0	0	0	0	0	0	0

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

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***				
		49-2017	50-2017	51-2017	52-2017	2013	2014	2015	2016	2017
	Blastomycosis	0	0	2	0	22	19	13	15	22
	Botulism - Infant	0	0	0	0	0	1	1	1	0
	Botulism - Other	0	0	0	0	0	0	0	0	0
	Brucellosis	0	0	0	0	0	2	2	2	2
	CP-CRE	0	4	1	1	175	131	195	132	145
	Candida auris	0	0	0	0	0	0	0	0	0
	Cholera	0	0	0	0	0	0	0	0	0
	Cholera (Pre-2019)*	0	0	0	0	1	0	0	1	1
	Coccidioidomycosis	1	3	6	2	18	35	27	37	43
	Creutzfeldt-Jakob Disease	0	1	0	0	17	7	18	14	13
	Cryptococcosis	0	0	0	0	35	27	34	12	15
	Cyclosporiasis	0	0	0	0	4	6	8	3	41
	Encephalitis, Post Chickenpox	0	0	0	0	1	1	0	0	0
	Encephalitis, Post Mumps	0	0	0	0	0	0	0	0	0
	Encephalitis, Post Other	0	0	0	0	17	23	21	16	21
	Encephalitis, Primary	0	0	1	0	6	23	12	10	15
	Gastrointestinal Illness	6,241	5,634	4,556	470	74,305	64,828	96,828	108,517	158,893
	Guillain-Barre Syndrome	0	0	1	2	49	54	52	46	53
	Hantavirus	0	0	0	0	0	0	0	1	0
	Hantavirus, Other	0	0	0	0	0	0	0	0	0
	Hantavirus, Pulmonary	0	0	0	0	0	0	0	0	0
	Hemolytic Uremic Syndrome	0	0	0	0	0	0	0	0	0
	Hemolytic Uremic Syndrome (Pre-2019)*	0	0	0	0	7	6	12	9	6
	Hemorrhagic Fever	0	0	0	0	0	0	0	0	0
	Histoplasmosis	3	2	1	4	104	135	191	162	177
	Kawasaki	1	0	1	1	61	56	56	50	46
	Legionellosis	4	2	8	1	284	236	263	309	349
	Leprosy	0	0	0	0	1	0	1	0	0
	Leptospirosis	0	0	0	0	1	1	0	5	4
	Melioidosis+	0	0	0	0	0	0	1	0	1
	Novel Coronavirus~~	0	0	0	0	0	0	0	0	0

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

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***				
		49-2017	50-2017	51-2017	52-2017	2013	2014	2015	2016	2017
	Plague	0	0	0	0	0	0	1	0	0
	Psittacosis	0	0	0	0	0	0	0	2	1
	Q Fever Acute	0	0	0	0	1	1	2	1	3
	Q Fever Chronic	0	0	0	0	0	1	2	1	2
	Q Fever*	0	0	0	0	0	0	2	4	0
	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	1	2	2	4	0
	Rubella - Congenital	0	0	0	0	0	0	0	0	0
	Streptococcal Dis, Inv, Grp A	9	12	9	8	245	300	329	397	456
	Streptococcal Toxic Shock	0	0	0	0	10	4	11	2	2
	Streptococcus pneumoniae, Drug Resistant	5	2	3	8	119	84	98	113	110
	Toxic Shock	0	0	1	0	8	4	7	7	2
	Trachoma	0	0	0	0	2	4	2	0	0
	Trichinosis	0	0	0	0	0	0	0	1	0
	Tularemia	0	0	0	0	0	2	0	1	0
	VISA	0	0	0	0	15	3	4	4	7
	VRSA	0	0	0	0	0	0	1	0	0
	Vibriosis - Non Cholera	0	0	0	0	0	0	0	0	0
	Vibriosis - Non Cholera (Pre-2019)*	0	1	0	0	11	8	10	9	19
	Subtotal	6,264	5,661	4,590	497	75,520	66,004	98,206	109,888	160,449
Rabies										
	Rabies Animal	1	0	0	0	41	41	36	45	44
	Rabies: Potential Exposure & PEP	0	0	0	0	0	0	0	3	0
	Rabies: Potential Exposure & PEP(Pre-2019)*	92	83	65	78	3,003	3,468	3,818	4,911	5,502
	Subtotal	93	83	65	78	3,044	3,509	3,854	4,959	5,546
STD										
	Chancroid	0	0	0	0	1	0	0	0	1
	Chlamydia (Genital)	1,133	1,123	943	690	45,174	45,265	48,108	49,417	51,726
	Gonorrhea	387	337	264	207	10,774	9,730	10,694	13,103	15,374
	Granuloma Inguinale	0	0	0	0	0	0	0	0	0

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

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***				
		49-2017	50-2017	51-2017	52-2017	2013	2014	2015	2016	2017
	Lymphogranuloma venereum	0	0	1	0	0	0	24	20	9
	Syphilis - Congenital	1	0	0	0	9	16	11	13	10
	Syphilis - Early Latent	7	5	5	6	208	249	288	302	343
	Syphilis - Late Latent*	9	4	8	2	154	412	381	429	416
	Syphilis - Late with Manifestations*	0	0	0	0	9	22	25	15	20
	Syphilis - Latent of Unknown Duration*	0	1	0	0	216	79	7	39	28
	Syphilis - Primary	3	3	8	4	150	160	128	139	164
	Syphilis - Secondary	7	7	7	6	346	277	276	241	315
	Syphilis - To Be Determined	0	0	0	0	0	0	0	0	0
	Syphilis - Unknown Duration or Late	0	1	0	4	0	0	0	0	9
	Subtotal		1,547	1,481	1,236	919	57,041	56,210	59,942	63,718
Tuberculosis										
	Latent Tuberculosis Infection	9	9	14	11	3	0	0	6	120
	Nontuberculous Mycobacterium	9	12	16	9	49	35	79	116	263
	Tuberculosis	2	4	4	2	149	112	141	136	140
	Subtotal		20	25	34	22	201	147	220	258
VPD										
	Chickenpox (Varicella)	13	7	10	6	715	713	563	556	543
	Diphtheria	0	0	0	0	0	0	0	0	0
	H. influenzae Disease - Inv.	1	4	4	7	102	101	137	187	198
	Measles	0	0	0	0	5	5	1	1	2
	Mumps	1	1	1	1	16	39	20	37	47
	Pertussis	15	9	14	10	1,016	1,363	469	417	761
	Polio	0	0	0	0	0	0	0	0	0
	Rubella	0	0	0	0	0	0	0	0	0
	Shingles	15	23	22	16	404	492	708	866	976
	Tetanus	0	0	0	0	1	0	0	1	2
	VZ Infection, Unspecified	2	4	5	2	97	143	187	172	270
Subtotal		47	48	56	42	2,356	2,856	2,085	2,237	2,799
Vectorborne										
	Babesiosis++	0	0	0	0	3	2	2	5	3

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

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***				
		49-2017	50-2017	51-2017	52-2017	2013	2014	2015	2016	2017
	Chikungunya~	0	0	0	1	0	1	6	4	4
	Dengue Fever	1	0	0	0	16	6	23	16	11
	Ehrlichiosis*	0	0	0	0	0	0	0	0	0
	Ehrlichiosis, Anaplasma phagocytophilum	0	1	0	0	4	4	7	8	15
	Ehrlichiosis, Ehrlichia chaffeensis	0	0	0	0	1	3	6	8	3
	Ehrlichiosis, Ehrlichia ewingii	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	1	0	0	0	3
	Ehrlichosis human, other, unsp*	0	0	0	0	0	0	0	0	0
	Encephalitis, California	0	0	0	0	0	0	1	0	0
	Encephalitis, Eastern Equine	0	0	0	0	0	1	0	2	0
	Encephalitis, Powassan	0	0	0	0	0	0	0	0	0
	Encephalitis, St. Louis	0	0	0	0	0	0	0	0	0
	Encephalitis, Western Equine	0	0	0	0	0	0	0	0	0
	Lyme Disease	2	0	1	1	169	124	150	232	346
	Malaria	0	0	0	1	23	18	21	43	45
	Rickettsial Disease - Spotted Fever	1	0	0	0	3	1	2	14	13
	Rickettsial Disease - Typhus	0	0	0	0	0	0	0	1	0
	West Nile Virus	0	0	0	0	36	1	19	45	43
	Yellow Fever	0	0	0	0	0	0	0	0	0
	Zika~~	0	0	0	0	0	0	0	75	10
	Subtotal	4	1	1	3	256	161	237	453	496
Viral Hepatitis										
	Hepatitis A	28	25	20	19	91	54	72	132	704
	Hepatitis B, Acute	0	0	2	1	57	50	60	51	63
	Hepatitis B, Chronic	27	38	26	14	1,114	1,119	1,084	1,270	1,212
	Hepatitis B, Perinatal	0	0	0	0	1	2	0	0	1
	Hepatitis C, Acute	6	9	5	5	76	82	91	159	233
	Hepatitis C, Chronic	214	269	209	126	6,708	8,177	7,846	11,816	11,963
	Hepatitis C, Perinatal	0	1	0	0	0	1	1	3	3

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

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***				
		49-2017	50-2017	51-2017	52-2017	2013	2014	2015	2016	2017
	Hepatitis E	0	0	0	0	3	2	7	4	5
	Subtotal	275	342	262	165	8,050	9,487	9,161	13,435	14,184

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

Complete HIV/AIDS statistics can be found at: http://www.michigan.gov/mdch/0,1607,7-132-2944_5320_5331---,00.html

* Indicates disease no longer reported into the MDSS on an individual cases basis.

** Data for cases reported in the last 4 weeks is based on the date the case was referred.

*** Data for cases reported in the last 5 years is for the entire year except for the current year which is year to date.

+ Indicates Disease added to MDSS in February 2012

++ Indicates Disease added to MDSS in December 2013

~ Indicates Disease added to MDSS in March 2015

~~ Indicates Disease added to MDSS in April 2016

Table of Diseases by Geographic Location																								
Time Period: Week 52-2017																								
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
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	-	1	-	3	1	21	-	-	-	2	-	2	-	2	-	12	-	8	-	5	1	23	-	7
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shiga toxin-producing Escherichia coli --(STEC Pre-2019)*	-	-	-	-	1	5	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	4	-	-
Shigellosis	-	-	-	1	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	7	-	-
Shingles	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	2	-	1	-	2	-	1	
Streptococcal Dis. Inv, Grp A	-	-	-	-	-	3	-	-	-	3	-	-	-	-	-	4	-	6	-	2	-	13	-	1
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	3	-	-	2	5	-	-
Streptococcus pneumoniae, Inv	-	1	-	2	-	20	-	2	-	3	-	4	-	-	-	11	1	7	-	1	-	13	-	2
Syphilis - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Syphilis - Early Latent	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	7	-	2
Syphilis - Late Latent*	-	-	-	-	-	4	-	-	-	2	-	-	-	-	-	-	1	-	-	-	-	7	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-
Syphilis - Secondary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5	-	-	-	2	-	-
Syphilis - To Be Determined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Unknown Duration or Late	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	-	-	-	-	2	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	2	-	2
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera (Pre-2019)*	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	-	-	-	-	2	-	-	-	2	-	1	-	-	-	2	-	2	-	2	-	1	-	-
West Nile Virus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	4	-
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	57	0	219	29	10,554	3	300	4	404	1	446	0	248	10	11,052	47	10,369	20	679	161	12,523	4	7,195

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 52-2017																								
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
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	-	18	-	8	-	5	-	4	-	5	-	1	1	9	-	-	-	3	2	49	-	2	-	21
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shiga toxin-producing Escherichia coli --(STEC Pre-2019)*	-	4	-	2	-	-	-	-	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-
Shigellosis	1	4	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1	81	-	-	-	9
Shingles	-	-	-	-	-	-	-	-	-	-	-	1	3	-	-	-	-	-	-	35	-	-	-	4
Streptococcal Dis, Inv, Grp A	-	9	-	2	-	-	-	1	-	-	-	1	-	4	-	-	-	4	3	76	-	4	-	2
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	13	-	-	-	2	
Streptococcus pneumoniae, Inv	-	21	1	4	-	3	-	6	-	3	-	5	-	6	-	2	2	10	1	86	-	3	-	17
Syphilis - Congenital	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Syphilis - Early Latent	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	83	-	-	-	1	3
Syphilis - Late Latent*	-	3	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	173	-	-	-	1	3
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-
Syphilis - Primary	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	27	-	-	-	-	-
Syphilis - Secondary	-	3	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	80	-	-	-	-	2
Syphilis - To Be Determined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Unknown Duration or Late	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	-	-	-	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	23	-	-	-	-	1
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera (Pre-2019)*	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	-	-	-	-	2	-	1	-	-	-	-	-	1	-	-	-	2	-	3	-	1	-	10
West Nile Virus	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	6	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	6	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	1	-	1	-	-	-	-
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	56	15,390	16	2,550	1	1,203	0	109	9	774	8	1,349	13	7,781	3	1,097	35	1,661	357	23,294	5	301	31	20,655

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 52-2017																								
Disease	Emmet		Genesee		Gladwin		Gogebic		Grand Traverse		Gratiot		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
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	-	6	-	20	-	2	-	2	-	19	-	-	-	7	-	4	-	-	-	24	-	7	-	-
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shiga toxin-producing Escherichia coli --(STEC Pre-2019)*	-	-	-	6	-	1	-	1	-	2	-	-	-	1	-	2	-	3	-	1	-	1	-	-
Shigellosis	-	-	-	8	-	1	-	-	-	1	-	1	-	2	-	1	-	1	-	16	-	1	-	-
Shingles	-	-	-	7	-	-	-	-	1	15	-	3	-	1	-	-	-	1	-	21	-	3	-	-
Streptococcal Dis. Inv, Grp A	-	-	1	18	-	-	-	2	-	5	-	2	-	1	-	-	-	-	12	-	3	-	-	
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	2	12	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	6	-	-	-	-
Streptococcus pneumoniae, Inv	-	1	2	28	-	4	-	1	-	9	2	8	-	10	-	3	-	5	2	27	2	8	-	3
Syphilis - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Syphilis - Early Latent	-	-	-	12	-	-	-	-	-	-	2	-	1	-	1	-	-	2	17	-	1	-	-	-
Syphilis - Late Latent*	-	-	-	17	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1	11	-	1	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	-	-	10	-	-	-	-	-	1	-	1	-	1	-	-	-	-	-	12	-	-	-	-
Syphilis - Secondary	-	-	-	11	-	1	-	-	-	1	-	1	-	1	-	-	-	-	-	17	-	-	-	-
Syphilis - To Be Determined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Unknown Duration or Late	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	-	-	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	9	-	-	-	-
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera (Pre-2019)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
VISA	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	1	-	10	-	-	-	-	-	1	-	1	-	5	-	1	-	-	-	-	-	6	-	-
West Nile Virus	-	-	-	1	-	-	-	-	-	1	-	1	-	2	-	-	-	-	-	1	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Total	4	2,713	221	54,276	6	566	4	1,588	10	5,567	79	7,551	7	3,876	27	2,344	28	2,663	254	20,531	21	4,437	0	716

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 52-2017																								
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
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	-	-	-	6	-	17	-	39	-	1	3	69	-	-	-	1	-	10	-	3	-	20	-	19
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shiga toxin-producing Escherichia coli --(STEC Pre-2019)*	-	-	-	3	-	2	-	7	-	-	1	25	-	-	-	-	2	-	3	-	3	-	5	
Shigellosis	-	-	-	-	-	22	-	5	-	-	1	17	-	-	-	-	-	-	-	-	1	-	-	
Shingles	-	-	-	8	-	15	-	11	-	-	1	41	-	-	-	-	2	-	-	-	2	-	40	
Streptococcal Dis, Inv, Grp A	-	1	-	2	1	8	-	14	-	4	1	39	-	-	-	-	5	-	1	1	2	-	4	
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Streptococcus pneumoniae, Drug Resistant	-	-	-	1	1	6	-	10	-	-	-	-	-	-	-	-	2	-	-	-	2	-	-	
Streptococcus pneumoniae, Inv	1	3	2	8	1	20	3	24	-	3	1	64	-	-	-	2	-	12	-	-	-	4	1	11
Syphilis - Congenital	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Syphilis - Early Latent	-	-	-	1	-	3	-	10	-	-	-	38	-	-	-	-	-	-	-	-	-	2	-	1
Syphilis - Late Latent*	-	-	-	1	-	4	-	11	-	-	-	32	-	-	-	-	-	-	-	-	-	-	2	
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Syphilis - Primary	-	-	-	1	-	1	-	4	-	-	1	11	-	-	-	-	1	-	-	-	4	-	1	
Syphilis - Secondary	-	-	-	-	-	7	-	4	-	-	-	23	-	-	-	-	-	-	-	-	-	-	1	
Syphilis - To Be Determined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Syphilis - Unknown Duration or Late	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tuberculosis	-	-	-	-	-	1	-	3	-	-	-	12	-	-	-	-	1	-	-	-	1	-	2	
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Typhoid Fever	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Vibriosis - Non Cholera (Pre-2019)*	-	-	-	-	-	-	-	4	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VZ Infection, Unspecified	-	-	-	1	-	6	-	8	-	-	1	4	-	-	-	-	-	-	-	4	-	9	-	17
West Nile Virus	-	-	-	-	-	-	-	1	-	-	-	5	-	-	-	-	-	-	-	-	-	1	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Yersinia enteritis	-	-	-	1	-	-	-	10	-	-	-	7	-	-	-	1	-	-	-	-	-	2	-	1
Zika	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	3	-	-	-	-
Total	3	78	14	4,931	336	11,061	99	18,285	1	1,338	138	56,912	0	20	1	257	16	3,662	3	686	29	6,590	34	21,699

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 52-2017																								
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
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	1	7	-	-	2	75	-	2	-	17	-	3	-	6	-	3	-	13	-	3	-	27	-	12
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shiga toxin-producing Escherichia coli --(STEC Pre-2019)*	-	-	-	-	-	10	-	-	-	2	-	-	-	2	-	-	-	1	-	-	-	8	-	3
Shigellosis	-	-	-	-	-	46	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	5	-	3
Shingles	-	-	-	-	-	127	-	1	-	-	-	-	-	-	-	-	1	2	-	-	-	1	-	2
Streptococcal Dis, Inv, Grp A	-	-	-	-	-	32	-	-	-	2	-	1	-	1	-	-	-	2	-	1	-	4	-	4
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	9	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	1	-	3
Streptococcus pneumoniae, Inv	-	-	-	-	-	36	-	1	-	4	-	-	1	8	-	1	1	8	-	2	-	9	1	9
Syphilis - Congenital	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Early Latent	-	-	-	-	1	30	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3	-	-
Syphilis - Late Latent*	-	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	-	-	-	2	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-
Syphilis - Secondary	-	-	-	1	-	31	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	5	-	-
Syphilis - To Be Determined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Unknown Duration or Late	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera (Pre-2019)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	-	-	-	-	4	-	7	-	-	-	3	-	2	-	-	-	-	-	-	-	1	7	2
West Nile Virus	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	3
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	-	-	-	-	1	-	-	-	1	-	3	-	1	-	1	-	-	-	-	-	1	3	-
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	3	127	0	190	404	46,455	3	1,694	41	1,096	108	1,249	7	4,991	2	211	15	5,733	1	1,846	37	6,279	12	15,641

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 52-2017																								
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
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	-	-	1	19	-	5	3	120	-	3	-	1	-	-	-	4	-	-	-	-	-	43	-	1
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shiga toxin-producing Escherichia coli --(STEC Pre-2019)*	-	-	-	1	-	7	1	19	-	-	-	-	-	-	2	-	-	-	-	-	-	9	-	-
Shigellosis	-	-	-	30	-	4	1	42	-	1	-	-	-	-	-	-	-	-	-	-	-	23	-	-
Shingles	-	-	-	17	-	1	7	340	-	-	-	-	-	-	1	-	-	-	-	-	-	34	-	1
Streptococcal Dis. Inv, Grp A	-	1	-	9	-	5	-	31	-	-	-	1	-	-	-	-	-	-	-	-	-	17	-	-
Streptococcal Toxic Shock	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-
Streptococcus pneumoniae, Inv	-	1	1	7	-	12	2	62	1	1	-	1	-	-	4	-	1	-	-	-	-	16	-	1
Syphilis - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Early Latent	-	-	-	5	-	1	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	2
Syphilis - Late Latent*	-	-	-	4	-	1	-	45	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	-	-	1	-	-	1	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Secondary	-	-	-	3	-	1	1	40	-	1	-	-	-	-	1	-	1	-	-	-	-	1	-	-
Syphilis - To Be Determined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Unknown Duration or Late	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	-	-	3	-	-	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	1	-	-	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera (Pre-2019)*	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
VISA	-	-	-	1	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	-	-	-	-	1	-	-	-	1	-	4	-	-	1	-	-	-	-	-	-	-	-	1
West Nile Virus	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enterocolitica	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Zika	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Total	1	35	125	3,105	27	3,784	538	36,902	2	1,883	1	422	1	193	3	1,335	3	192	0	0	194	55,922	1	72

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 52-2017																								
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
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	-	3	1	17	-	5	-	1	-	7	-	15	-	13	-	6	-	12	-	41	1	119	-	1
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shiga toxin-producing Escherichia coli --(STEC Pre-2019)*	-	-	-	3	-	1	1	2	-	2	-	-	-	-	1	-	6	1	13	-	22	-	-	
Shigellosis	-	1	-	1	-	-	1	-	1	-	3	-	1	-	-	-	1	1	27	-	86	-	-	
Shingles	-	1	-	8	-	-	-	-	-	-	16	-	-	-	-	-	5	1	106	4	91	-	1	
Streptococcal Dis, Inv, Grp A	-	2	-	8	-	1	-	-	-	6	-	3	-	1	-	2	-	2	-	11	1	50	-	1
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
Streptococcus pneumoniae, Drug Resistant	-	1	-	-	-	2	-	-	-	-	6	-	-	-	-	1	2	-	4	-	5	-	-	
Streptococcus pneumoniae, Inv	-	-	-	19	-	3	-	-	1	9	-	9	1	10	-	11	-	12	-	7	3	79	-	4
Syphilis - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Syphilis - Early Latent	-	-	-	2	-	-	-	-	-	-	2	-	-	-	-	-	2	-	11	-	55	-	-	
Syphilis - Late Latent*	-	-	-	2	-	1	-	1	-	-	3	-	2	-	-	-	-	-	12	-	37	-	-	
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	-	
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	4	-	-	
Syphilis - Primary	-	-	-	2	-	-	-	-	-	1	-	-	1	-	-	-	1	-	6	-	29	-	-	
Syphilis - Secondary	-	-	-	-	-	-	-	-	-	-	2	-	1	-	-	-	-	-	21	2	43	-	-	
Syphilis - To Be Determined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Syphilis - Unknown Duration or Late	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tuberculosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	9	-	19	-	-	
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Typhoid Fever	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Vibriosis - Non Cholera (Pre-2019)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-	2	-	-	
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VZ Infection, Unspecified	-	-	-	3	-	5	-	-	-	23	-	3	-	2	-	2	-	1	-	-	90	-	2	
West Nile Virus	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Yersinia enteritis	-	-	-	3	-	1	-	-	-	1	-	-	-	-	-	-	4	-	1	-	-	-	-	
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	
Total	17	510	65	17,623	1	296	1	370	18	3,080	248	11,750	241	6,910	13	3,456	19	6,420	132	28,041	490	44,420	2	1,990

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: 12/30/2015 - 12/30/2017

Time Breakdown: by Week

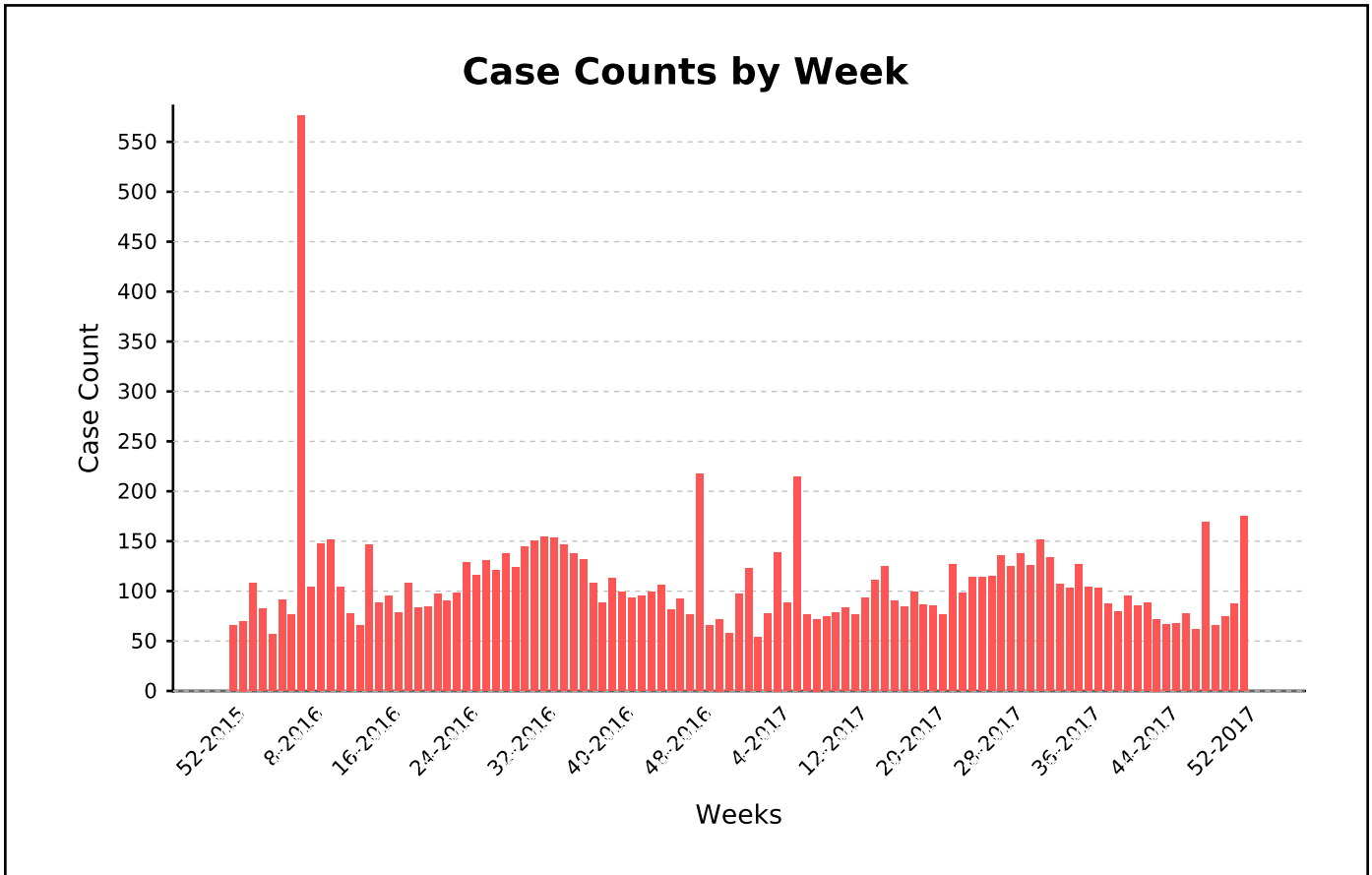
Geographic Area: The State of Michigan

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
52-2015	66	15-2016	88	30-2016	144	45-2016	81	8-2017	72
1-2016	70	16-2016	95	31-2016	150	46-2016	92	9-2017	74
2-2016	108	17-2016	78	32-2016	154	47-2016	76	10-2017	78
3-2016	82	18-2016	108	33-2016	153	48-2016	217	11-2017	83
4-2016	57	19-2016	83	34-2016	146	49-2016	66	12-2017	76
5-2016	91	20-2016	84	35-2016	138	50-2016	72	13-2017	93
6-2016	76	21-2016	97	36-2016	132	51-2016	58	14-2017	111
7-2016	576	22-2016	90	37-2016	108	52-2016	97	15-2017	125
8-2016	104	23-2016	98	38-2016	88	1-2017	123	16-2017	90
9-2016	147	24-2016	129	39-2016	113	2-2017	54	17-2017	84
10-2016	151	25-2016	116	40-2016	99	3-2017	77	18-2017	99
11-2016	104	26-2016	131	41-2016	93	4-2017	139	19-2017	86
12-2016	77	27-2016	121	42-2016	95	5-2017	88	20-2017	85
13-2016	66	28-2016	138	43-2016	99	6-2017	214	21-2017	76
14-2016	146	29-2016	124	44-2016	106	7-2017	76	22-2017	127

Week	Total
23-2017	98
24-2017	114
25-2017	114
26-2017	115
27-2017	136
28-2017	125
29-2017	138
30-2017	126
31-2017	151
32-2017	134
33-2017	107
34-2017	103
35-2017	127
36-2017	104
37-2017	103
38-2017	87
39-2017	79
40-2017	95
41-2017	85
42-2017	88
43-2017	72
44-2017	67
45-2017	68
46-2017	77
47-2017	62
48-2017	169
49-2017	66
50-2017	74
51-2017	87
52-2017	175

Report 8: Epi-Curve Graph

Time Period: 12/30/2015 - 12/30/2017

Time Breakdown: by Week

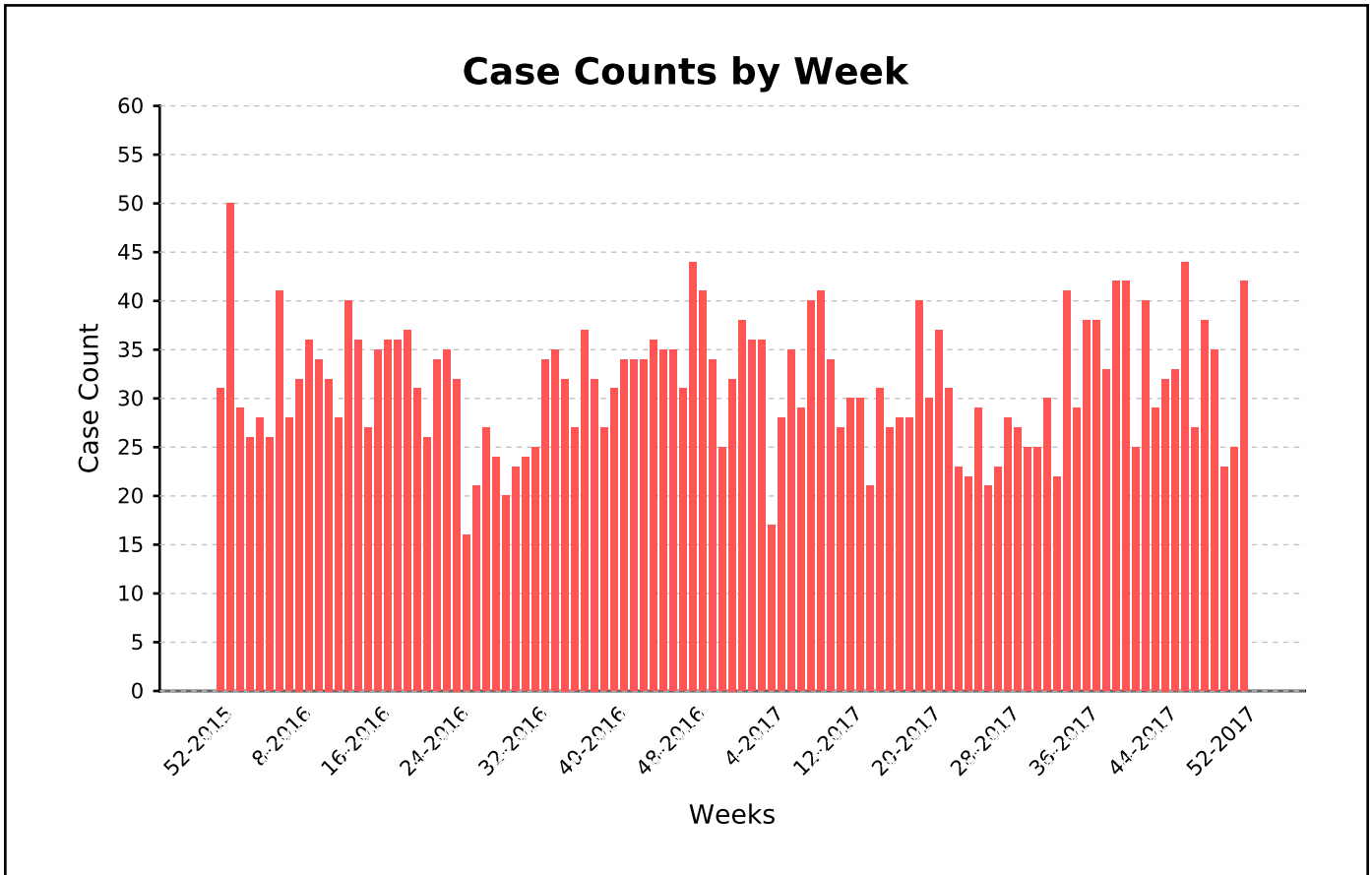
Geographic Area: The State of Michigan

Disease Group: Meningitis

Case Status: Confirmed, Probable, Suspect

Case Types: Individual and Aggregate

Investigation Status: Completed, Completed - Follow Up



Week	Total
52-2015	31
1-2016	50
2-2016	29
3-2016	26
4-2016	28
5-2016	26
6-2016	41
7-2016	28
8-2016	32
9-2016	36
10-2016	34
11-2016	32
12-2016	28
13-2016	40
14-2016	36

Week	Total
15-2016	27
16-2016	35
17-2016	36
18-2016	36
19-2016	37
20-2016	31
21-2016	26
22-2016	34
23-2016	35
24-2016	32
25-2016	16
26-2016	21
27-2016	27
28-2016	24
29-2016	20

Week	Total
30-2016	23
31-2016	24
32-2016	25
33-2016	34
34-2016	35
35-2016	32
36-2016	27
37-2016	37
38-2016	32
39-2016	27
40-2016	31
41-2016	34
42-2016	34
43-2016	34
44-2016	36

Week	Total
45-2016	35
46-2016	35
47-2016	31
48-2016	44
49-2016	41
50-2016	34
51-2016	25
52-2016	32
1-2017	38
2-2017	36
3-2017	36
4-2017	17
5-2017	28
6-2017	35
7-2017	29

Week	Total
8-2017	40
9-2017	41
10-2017	34
11-2017	27
12-2017	30
13-2017	30
14-2017	21
15-2017	31
16-2017	27
17-2017	28
18-2017	28
19-2017	40
20-2017	30
21-2017	37
22-2017	31

Week	Total
23-2017	23
24-2017	22
25-2017	29
26-2017	21
27-2017	23
28-2017	28
29-2017	27
30-2017	25
31-2017	25
32-2017	30
33-2017	22
34-2017	41
35-2017	29
36-2017	38
37-2017	38
38-2017	33
39-2017	42
40-2017	42
41-2017	25
42-2017	40
43-2017	29
44-2017	32
45-2017	33
46-2017	44
47-2017	27
48-2017	38
49-2017	35
50-2017	23
51-2017	25
52-2017	42