



Weekly Disease Report For The Week Ending December 31st, 2016 (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.

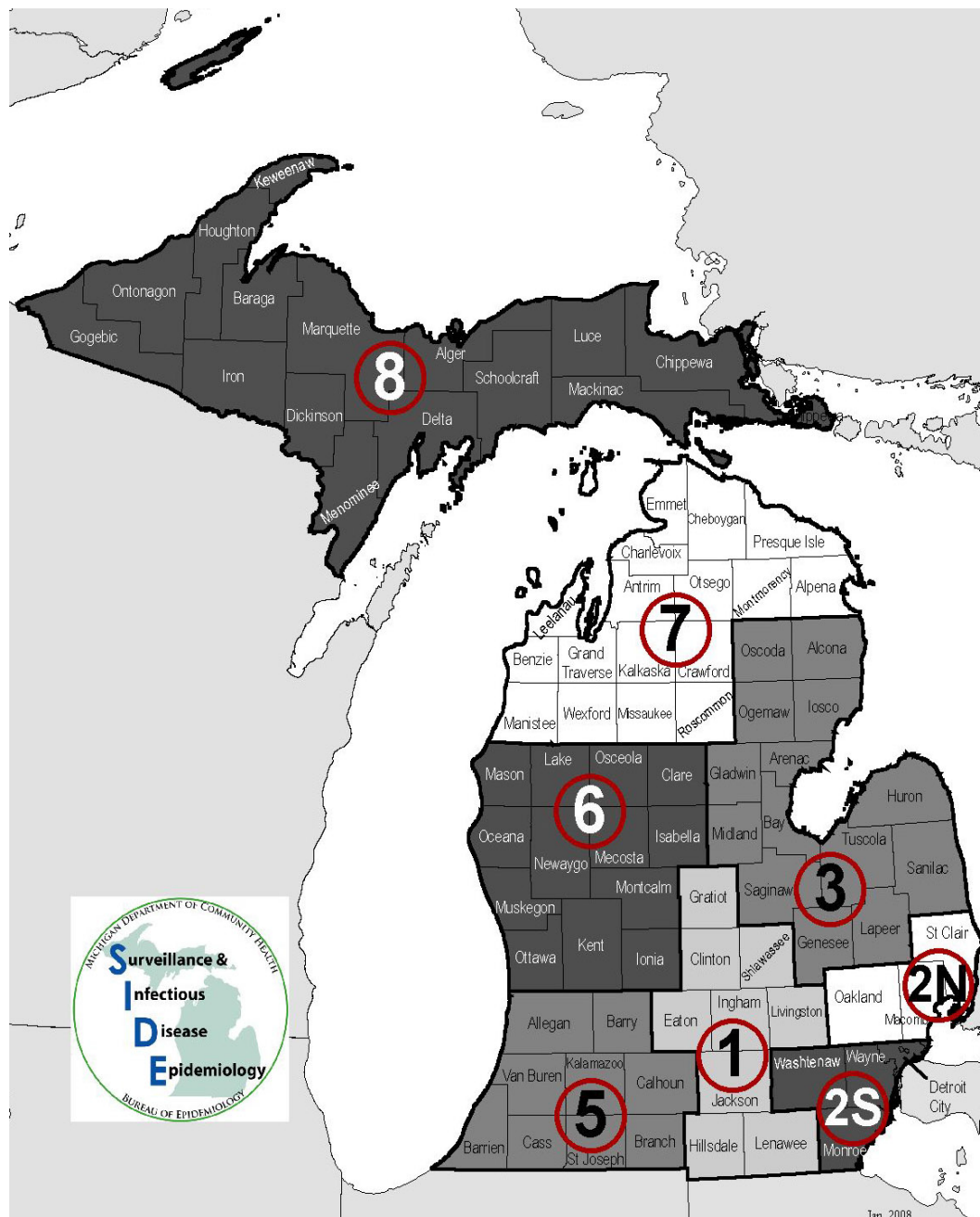
The data in the Weekly Disease Report are provisional, based on current reports to MDHHS by local health departments. The MDSS is a dynamic, continually active system: counts of disease are constantly changing as cases are investigated, confirmed as cases, or ruled out as not meeting the case definition. 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***				
		49-2016	50-2016	51-2016	52-2016	2012	2013	2014	2015	2016
Foodborne	Amebiasis	0	0	1	0	17	35	23	33	15
	Botulism - Foodborne	0	0	0	0	2	0	0	0	0
	Campylobacter	33	22	19	23	1,212	1,285	1,194	1,348	1,644
	Cryptosporidiosis	2	1	1	3	353	267	249	240	437
	Giardiasis	7	13	11	7	541	548	514	454	587
	Listeriosis	0	0	0	0	0	0	0	0	0
	Listeriosis (2014-2017)*	1	1	0	4	0	1	19	20	18
	Norovirus	5	8	108	38	214	327	341	768	1,433
	Paratyphoid Fever	0	0	0	0	0	0	0	0	0
	Salmonellosis	4	12	12	12	1,003	1,013	1,050	970	1,069
	Shiga toxin-producing Escherichia coli --	0	1	1	2	301	213	150	147	201
	Shiga toxin-producing Escherichia coli --	0	0	0	0	0	0	0	0	0
	Shigellosis	12	14	6	7	249	175	308	515	706
	Typhoid Fever	1	0	0	0	9	5	8	9	7
	Yersinia enterocolitica	1	0	1	1	17	24	24	21	41
Subtotal		66	72	160	97	3,918	3,893	3,880	4,525	6,158
Influenza	Flu Like Disease*	7,951	10,293	6,865	1,995	389,482	378,616	280,888	298,594	321,126
	Influenza	65	98	129	237	3,058	6,062	7,918	7,372	14,458
	Influenza, Novel	0	0	0	0	12	24	1	0	22
	Subtotal	8,016	10,391	6,994	2,232	392,552	384,702	288,807	305,966	335,606
Meningitis	Meningitis - Aseptic	13	12	11	6	906	958	679	809	665
	Meningitis - Bacterial Other	7	3	1	2	136	116	140	142	168
	Meningococcal Disease	1	0	0	0	15	5	14	8	7
	Streptococcus pneumoniae, Inv	20	19	13	24	556	617	520	694	813
	Subtotal	41	34	25	32	1,613	1,696	1,353	1,653	1,653
Other	Acute Flaccid Myelitis (AFM)	0	0	0	0	0	0	0	0	0
	Anthrax	0	0	0	0	0	0	0	0	0

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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***				
		49-2016	50-2016	51-2016	52-2016	2012	2013	2014	2015	2016
	Blastomycosis	0	1	1	0	13	22	19	13	15
	Botulism - Infant	0	0	0	0	2	0	1	1	1
	Botulism - Other	0	0	0	0	0	0	0	0	0
	Brucellosis	0	0	0	0	1	0	2	2	2
	CP-CRE	0	3	3	0	50	175	131	195	132
	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	0	1	0	0	1
	Coccidioidomycosis	0	0	0	0	35	18	35	27	37
	Creutzfeldt-Jakob Disease	0	0	0	0	14	17	7	18	14
	Cryptococcosis	0	0	0	1	41	35	27	34	12
	Cyclosporiasis	0	0	0	0	0	4	6	8	3
	Encephalitis, Post Chickenpox	0	0	0	0	1	1	1	0	0
	Encephalitis, Post Mumps	0	0	0	0	0	0	0	0	0
	Encephalitis, Post Other	0	0	0	0	21	17	23	21	16
	Encephalitis, Primary	1	1	0	0	22	6	23	12	10
	Gastrointestinal Illness	2,971	2,927	2,006	414	61,797	74,305	64,828	96,828	108,517
	Guillain-Barre Syndrome	1	1	0	1	66	49	54	52	46
	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	0
	Hemolytic Uremic Syndrome	0	0	0	0	0	0	0	0	0
	Hemolytic Uremic Syndrome (Pre-2019)*	0	0	0	0	6	7	6	12	9
	Hemorrhagic Fever	0	0	0	0	0	0	0	0	0
	Histoplasmosis	6	4	5	2	153	104	135	191	162
	Kawasaki	1	2	1	0	56	61	56	56	50
	Legionellosis	5	2	5	5	186	284	236	263	309
	Leprosy	0	0	0	0	1	1	0	1	0
	Leptospirosis	1	0	0	1	0	1	1	0	5
	Melioidosis+	0	0	0	0	0	0	0	1	0
	Novel Coronavirus~~	0	0	0	0	0	0	0	0	0

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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***				
		49-2016	50-2016	51-2016	52-2016	2012	2013	2014	2015	2016
	Plague	0	0	0	0	0	0	0	1	0
	Psittacosis	0	0	0	0	0	0	0	0	2
	Q Fever Acute	0	0	0	0	3	1	1	2	1
	Q Fever Chronic	0	0	0	0	0	0	1	2	1
	Q Fever*	0	0	1	0	0	0	0	2	4
	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	2	1	2	2	4
	Rubella - Congenital	0	0	0	0	0	0	0	0	0
	Streptococcal Dis, Inv, Grp A	9	8	8	8	228	245	300	329	397
	Streptococcal Toxic Shock	0	0	0	0	9	10	4	11	2
	Streptococcus pneumoniae, Drug Resistant	5	1	3	4	119	119	84	98	113
	Toxic Shock	0	0	0	0	6	8	4	7	7
	Trachoma	0	0	0	0	0	2	4	2	0
	Trichinosis	0	0	0	0	1	0	0	0	1
	Tularemia	0	0	0	0	0	0	2	0	1
	VISA	0	0	1	0	10	15	3	4	4
	VRSA	0	0	0	0	0	0	0	1	0
	Vibriosis - Non Cholera	0	0	0	0	0	0	0	0	0
	Vibriosis - Non Cholera (Pre-2019)*	0	0	0	0	7	11	8	10	9
Subtotal		3,000	2,950	2,034	436	62,850	75,520	66,004	98,206	109,888
Rabies										
	Rabies Animal	0	1	0	0	60	41	41	36	45
	Rabies: Potential Exposure & PEP	0	0	0	0	0	0	0	0	3
	Rabies: Potential Exposure & PEP(Pre-2019)*	54	69	84	68	2,802	3,003	3,468	3,818	4,911
	Subtotal	54	70	84	68	2,862	3,044	3,509	3,854	4,959
STD										
	Chancroid	0	0	0	0	2	1	0	0	0
	Chlamydia (Genital)	1,095	1,048	1,012	867	47,690	45,174	45,265	48,108	49,417
	Gonorrhea	328	321	299	278	12,565	10,774	9,730	10,694	13,103
	Granuloma Inguinale	0	0	0	0	0	0	0	0	0

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		49-2016	50-2016	51-2016	52-2016	2012	2013	2014	2015	2016
	Lymphogranuloma venereum	0	0	0	0	0	0	0	24	20
	Syphilis - Congenital	1	0	0	0	18	9	16	11	13
	Syphilis - Early Latent	5	7	6	2	154	208	249	288	302
	Syphilis - Late Latent*	9	3	4	5	126	154	412	381	429
	Syphilis - Late with Manifestations*	0	0	0	0	14	9	22	25	15
	Syphilis - Latent of Unknown Duration*	2	0	1	1	202	216	79	7	39
	Syphilis - Primary	5	4	4	1	67	150	160	128	139
	Syphilis - Secondary	4	5	5	3	227	346	277	276	241
	Syphilis - To Be Determined	0	0	0	0	0	0	0	0	0
	Syphilis - Unknown Duration or Late	0	0	0	0	0	0	0	0	0
	Subtotal		1,449	1,388	1,331	1,157	61,065	57,041	56,210	59,942
Tuberculosis										
	Latent Tuberculosis Infection	0	0	1	0	1	3	0	0	6
	Nontuberculous Mycobacterium	4	2	5	0	40	49	35	79	116
	Tuberculosis	0	4	2	2	147	149	112	141	136
	Subtotal		4	6	8	2	188	201	147	220
VPD										
	Chickenpox (Varicella)	11	6	7	8	971	715	713	563	556
	Diphtheria	0	0	0	0	0	0	0	0	0
	H. influenzae Disease - Inv.	3	3	3	6	84	102	101	137	187
	Measles	0	0	0	0	1	5	5	1	1
	Mumps	2	0	0	0	24	16	39	20	37
	Pertussis	10	17	19	17	858	1,016	1,363	469	417
	Polio	0	0	0	0	0	0	0	0	0
	Rubella	0	0	0	0	0	0	0	0	0
	Shingles	16	17	12	15	309	404	492	708	866
	Tetanus	0	0	0	0	2	1	0	0	1
	VZ Infection, Unspecified	2	5	2	2	115	97	143	187	172
Subtotal		44	48	43	48	2,364	2,356	2,856	2,085	2,237
Vectorborne										
	Babesiosis++	0	1	0	0	0	3	2	2	5

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		49-2016	50-2016	51-2016	52-2016	2012	2013	2014	2015	2016
	Chikungunya~	0	0	0	0	0	0	1	6	4
	Dengue Fever	0	0	0	0	9	16	6	23	16
	Ehrlichiosis*	0	0	0	0	0	0	0	0	0
	Ehrlichiosis, Anaplasma phagocytophilum	0	0	0	0	7	4	4	7	8
	Ehrlichiosis, Ehrlichia chaffeensis	0	0	0	0	2	1	3	6	8
	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	1	0	0	0
	Ehrlichosis human, other, unsp*	0	0	0	0	0	0	0	0	0
	Encephalitis, California	0	0	0	0	0	0	0	1	0
	Encephalitis, Eastern Equine	0	0	0	0	0	0	1	0	2
	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	1	1	1	98	169	124	150	232
	Malaria	1	0	0	0	26	23	18	21	43
	Rickettsial Disease - Spotted Fever	0	0	0	0	3	3	1	2	14
	Rickettsial Disease - Typhus	0	0	0	0	0	0	0	0	1
	West Nile Virus	0	0	0	1	205	36	1	19	45
	Yellow Fever	0	0	0	0	0	0	0	0	0
	Zika~~	0	0	0	1	0	0	0	0	75
	Subtotal	3	2	1	3	351	256	161	237	453
Viral Hepatitis										
	Hepatitis A	3	2	1	7	109	91	54	72	132
	Hepatitis B, Acute	2	0	0	0	76	57	50	60	51
	Hepatitis B, Chronic	31	33	28	12	1,312	1,114	1,119	1,084	1,270
	Hepatitis B, Perinatal	0	0	0	0	2	1	2	0	0
	Hepatitis C, Acute	5	2	4	2	79	76	82	91	159
	Hepatitis C, Chronic	190	245	273	159	7,933	6,708	8,177	7,846	11,816
	Hepatitis C, Perinatal	0	0	0	0	0	0	1	1	3

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		49-2016	50-2016	51-2016	52-2016	2012	2013	2014	2015	2016
	Hepatitis E	0	0	0	0	7	3	2	7	4
	Subtotal	231	282	306	180	9,518	8,050	9,487	9,161	13,435

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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 52-2016																								
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	-	-	-	12	-	4	-	3	-	1	-	2	-	18	-	10	-	3	1	17	-	5
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shiga toxin-producing Escherichia coli --(STEC Pre-2019)*	-	-	-	-	1	3	-	2	-	-	-	2	-	-	-	-	2	-	1	-	1	-	-	
Shigellosis	-	-	-	1	-	4	-	-	-	1	-	-	-	-	2	-	8	-	-	-	2	-	-	
Shingles	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	3	-	
Streptococcal Dis, Inv, Grp A	-	-	-	-	-	4	-	-	-	-	-	1	-	-	-	2	-	4	-	-	-	8	-	2
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	1	8	-	2	
Streptococcus pneumoniae, Inv	-	2	-	1	-	14	-	8	-	3	-	2	-	1	-	4	-	6	1	5	-	10	-	3
Syphilis - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Early Latent	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	2	-	-	-	-	3	-	1	
Syphilis - Late Latent*	-	-	-	-	-	4	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Syphilis - Primary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Syphilis - Secondary	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Syphilis - To Be Determined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Syphilis - Unknown Duration or Late	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tuberculosis	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Vibriosis - Non Cholera (Pre-2019)*	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VZ Infection, Unspecified	-	-	-	-	-	3	-	-	-	3	-	2	-	-	-	4	-	5	-	5	-	-	1	
West Nile Virus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Yersinia enteritis	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
Zika	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	
Total	0	64	0	146	11	7,186	1	272	2	648	2	383	0	226	3	8,951	15	5,518	2	399	51	10,329	4	4,961

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Table of Diseases by Geographic Location																								
Time Period: Week 52-2016																								
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	-	15	-	8	-	3	-	2	-	7	-	6	-	8	-	-	-	4	-	52	-	3	-	10
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shiga toxin-producing Escherichia coli --(STEC Pre-2019)*	-	3	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	-	2	-	-	-	3
Shigellosis	-	1	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	1	2	91	-	-	-	9
Shingles	-	1	-	-	-	-	1	-	-	-	-	-	5	-	-	-	-	1	39	-	-	-	1	
Streptococcal Dis, Inv, Grp A	-	8	1	4	-	-	-	1	-	-	-	2	-	1	-	-	-	1	1	55	-	1	-	2
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	18	-	-	-	2
Streptococcus pneumoniae, Inv	1	22	-	4	-	2	-	9	-	6	-	12	-	7	-	3	-	5	3	103	-	2	-	17
Syphilis - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-
Syphilis - Early Latent	-	1	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	81	-	-	-	1
Syphilis - Late Latent*	-	7	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	3	165	-	-	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	10	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-
Syphilis - Primary	-	-	-	1	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	32	-	-	-	1
Syphilis - Secondary	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	66	-	-	-	-
Syphilis - To Be Determined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Unknown Duration or Late	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	2	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	35	-	-	-	-
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera (Pre-2019)*	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VISA	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	-	-	-	-	2	-	6	-	-	-	3	-	2	-	1	-	3	-	2	-	-	-	11
West Nile Virus	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
Zika	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Total	46	10,585	9	2,580	3	1,778	3	194	6	1,165	4	872	742	4,767	0	646	2	729	290	22,777	3	2,486	21	15,153

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 52-2016																									
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	-	7	1	54	-	2	-	-	-	9	-	7	-	19	-	7	-	4	-	20	-	3	-	-	-
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shiga toxin-producing Escherichia coli --(STEC Pre-2019)*	-	-	-	14	-	-	-	-	4	-	1	-	1	-	-	-	2	-	3	-	1	-	-	-	-
Shigellosis	-	-	-	136	-	2	-	-	-	-	3	-	-	-	-	-	-	-	54	-	-	-	-	-	-
Shingles	-	1	-	6	-	-	-	-	2	-	1	-	1	-	-	-	-	1	22	-	2	-	-	-	-
Streptococcal Dis, Inv, Grp A	-	-	-	19	-	1	-	-	2	-	3	-	2	-	-	-	1	-	6	-	1	-	-	1	-
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-
Streptococcus pneumoniae, Inv	-	8	-	28	-	4	-	1	-	9	-	5	1	5	-	3	-	-	1	19	-	9	-	3	-
Syphilis - Congenital	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Early Latent	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-
Syphilis - Late Latent*	-	-	-	15	-	-	-	-	-	-	1	-	-	-	1	-	-	-	7	-	-	-	-	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	1	-	4	-	-	-	-	1	-	-	-	-	-	-	-	-	-	3	-	1	-	-	-	-
Syphilis - Secondary	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	1	-	11	-	-	-	-	-	-
Syphilis - To Be Determined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Unknown Duration or Late	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Tuberculosis	-	2	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera (Pre-2019)*	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	2	1	11	-	2	-	1	-	7	-	7	-	2	-	2	-	-	4	-	2	-	-	-	-
West Nile Virus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enterocolitica	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	3	-	-	-	-	-	-
Zika	-	-	-	4	-	-	-	-	-	-	-	-	1	-	1	-	1	-	-	-	3	-	2	-	-
Total	5	4,046	112	43,624	0	426	3	1,496	13	3,813	1	6,653	8	2,898	1	2,254	2	1,913	784	12,999	52	5,643	1	478	

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 52-2016																								
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	-	-	-	7	-	19	-	22	-	1	1	68	-	-	-	-	-	10	-	4	-	15	-	29
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shiga toxin-producing Escherichia coli --(STEC Pre-2019)*	-	-	-	2	-	1	-	5	-	-	-	17	-	1	-	1	-	2	-	-	-	2	-	8
Shigellosis	-	-	-	4	-	1	-	13	-	-	-	48	-	-	-	-	4	-	-	-	1	-	2	
Shingles	-	-	-	7	-	-	-	6	-	-	-	49	-	-	-	-	-	-	-	-	-	-	1	28
Streptococcal Dis, Inv, Grp A	-	2	-	-	-	5	-	12	-	-	2	32	-	-	-	-	4	-	1	-	5	-	7	
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	5	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	8	-	-
Streptococcus pneumoniae, Inv	-	2	-	12	1	12	1	34	-	8	3	57	-	-	-	2	-	4	-	1	-	1	-	9
Syphilis - Congenital	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Early Latent	-	-	-	1	-	3	-	9	-	-	-	23	-	-	-	-	1	-	-	-	1	-	-	-
Syphilis - Late Latent*	-	-	-	1	-	7	-	10	-	-	-	35	-	-	-	1	-	-	-	-	-	1	-	3
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	-	-	-	-	2	-	2	-	-	-	14	-	-	-	-	-	-	-	-	-	-	-	1
Syphilis - Secondary	-	-	-	1	-	1	-	3	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-	3
Syphilis - To Be Determined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Unknown Duration or Late	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	-	-	-	-	2	-	2	-	-	1	16	-	-	-	-	-	-	-	-	-	-	-	-
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera (Pre-2019)*	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	2	-	9	-	-	-	11	-	2	1	10	-	-	-	-	1	-	7	-	3	-	6	
West Nile Virus	-	-	-	-	-	-	-	1	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	1
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enteritis	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	1	-	2
Zika	-	-	-	-	-	-	-	5	-	-	-	16	-	-	-	-	-	-	-	-	-	2	-	4
Total	0	417	6	2,704	39	9,184	51	8,544	0	1,081	183	50,316	0	23	0	217	12	3,471	1	664	28	5,185	15	17,942

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 52-2016																								
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	-	-	-	2	2	78	-	4	-	8	-	-	-	3	-	1	-	10	-	3	-	15	-	10
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shiga toxin-producing Escherichia coli --(STEC Pre-2019)*	-	-	-	1	1	7	-	1	-	2	-	2	-	1	-	3	-	1	-	-	-	10	-	-
Shigellosis	-	-	-	1	1	50	-	-	-	-	-	-	2	-	1	-	3	-	-	-	4	-	4	
Shingles	-	-	-	-	2	98	-	-	-	-	-	-	-	-	-	1	13	-	-	-	4	-	4	
Streptococcal Dis, Inv, Grp A	-	-	-	1	2	31	-	2	-	2	-	-	-	3	-	-	-	4	-	-	-	4	-	6
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	9
Streptococcus pneumoniae, Inv	-	-	-	1	-	30	-	3	-	6	-	3	-	2	-	3	-	3	-	3	-	11	-	11
Syphilis - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Early Latent	-	-	-	1	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	1
Syphilis - Late Latent*	-	-	-	-	1	30	-	-	-	1	-	1	-	-	-	-	-	-	1	-	4	-	-	
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1
Syphilis - Secondary	-	-	-	-	-	17	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4	-	-	-
Syphilis - To Be Determined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Unknown Duration or Late	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	-	-	-	-	9	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	1	-	-
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera (Pre-2019)*	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	-	-	-	-	-	-	5	-	3	-	1	-	1	-	-	-	-	-	-	-	4	-	-
West Nile Virus	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enterocolitica	-	-	-	-	-	2	-	1	-	-	-	-	-	-	-	1	-	1	-	-	-	1	-	-
Zika	-	-	-	-	-	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	0	102	0	232	183	30,657	0	1,681	6	690	4	631	4	4,473	2	235	11	3,504	1	1,415	135	5,951	8	11,900

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 52-2016																								
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	1	24	-	4	4	130	-	4	-	1	-	2	-	7	-	2	-	-	-	25	-	1
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shiga toxin-producing Escherichia coli --(STEC Pre-2019)*	-	-	-	2	-	1	-	21	-	1	-	2	-	-	-	1	-	1	-	-	-	10	-	-
Shigellosis	-	-	1	14	1	5	1	46	-	1	-	-	-	-	-	-	-	-	-	-	-	5	-	-
Shingles	-	-	1	19	-	1	2	255	-	-	-	-	-	-	-	1	-	-	-	-	-	20	-	1
Streptococcal Dis. Inv, Grp A	-	1	-	5	-	2	1	42	-	-	-	1	-	-	-	2	-	-	-	-	1	12	-	-
Streptococcal Toxic Shock	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	3	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Streptococcus pneumoniae, Inv	-	-	-	8	-	3	4	52	-	1	-	2	-	1	1	7	-	1	-	-	-	12	-	1
Syphilis - Congenital	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Syphilis - Early Latent	-	-	-	3	-	-	-	45	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-
Syphilis - Late Latent*	-	-	-	6	-	-	-	46	-	-	-	-	-	-	-	1	-	-	-	-	-	4	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Primary	-	-	-	1	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-
Syphilis - Secondary	-	-	-	1	-	2	-	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - To Be Determined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Unknown Duration or Late	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	-	-	2	-	-	-	17	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera (Pre-2019)*	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VISA	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Nile Virus	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enterocolitica	-	-	-	1	-	1	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Zika	-	-	-	2	-	-	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	0	32	50	2,623	4	2,957	230	26,993	3	1,168	4	225	0	318	2	801	2	101	3	0	88	51,884	0	82

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 52-2016																								
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	-	1	-	21	-	2	-	1	-	8	-	17	-	8	-	8	-	11	-	42	2	106	-	3
Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shiga toxin-producing Escherichia coli --(STEC Pre-2019)*	-	-	-	3	-	2	-	-	-	2	-	3	-	-	-	-	-	1	-	12	-	23	-	-
Shigellosis	-	-	-	54	-	2	-	-	-	3	-	4	-	-	-	4	-	1	-	14	1	84	-	2
Shingles	-	1	-	7	-	-	-	-	-	-	1	18	-	-	-	-	-	2	1	103	4	139	-	-
Streptococcal Dis, Inv, Grp A	-	1	-	5	-	1	-	-	-	1	-	6	-	1	-	1	-	2	-	10	-	41	-	3
Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	2	-	2	-	8	-	-
Streptococcus pneumoniae, Inv	-	2	-	24	-	10	-	-	2	12	-	2	1	11	-	8	-	5	1	11	3	72	-	2
Syphilis - Congenital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Syphilis - Early Latent	-	-	1	4	-	-	-	-	-	-	-	3	-	3	-	-	-	-	-	16	-	50	-	-
Syphilis - Late Latent*	-	-	-	4	-	-	-	1	-	-	-	2	-	1	-	-	-	1	-	15	1	49	-	-
Syphilis - Latent of Unknown Duration*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Late with Manifestations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Syphilis - Primary	-	-	-	-	-	2	-	1	-	-	-	2	1	1	-	-	-	-	-	5	-	26	-	-
Syphilis - Secondary	-	-	1	2	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	12	1	37	-	-
Syphilis - To Be Determined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis - Unknown Duration or Late	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Shock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	-	-	4	-	-	-	-	-	-	-	2	-	-	-	1	-	1	-	7	1	16	-	-
Tularemia	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	-	-
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vibriosis - Non Cholera (Pre-2019)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
VISA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	-	-	-	-	2	-	-	-	4	-	1	-	1	-	-	-	-	-	1	-	2	-	1
West Nile Virus	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	2	1	9	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yersinia enterocolitica	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	-	3	-	-	-
Zika	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	3	-	2	-	-	-
Total	3	587	56	12,917	3	262	0	191	6	1,541	517	9,426	63	4,987	6	1,324	12	3,237	80	20,215	230	39,556	0	2,297

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: 12/31/2014 - 12/31/2016

Time Breakdown: by Week

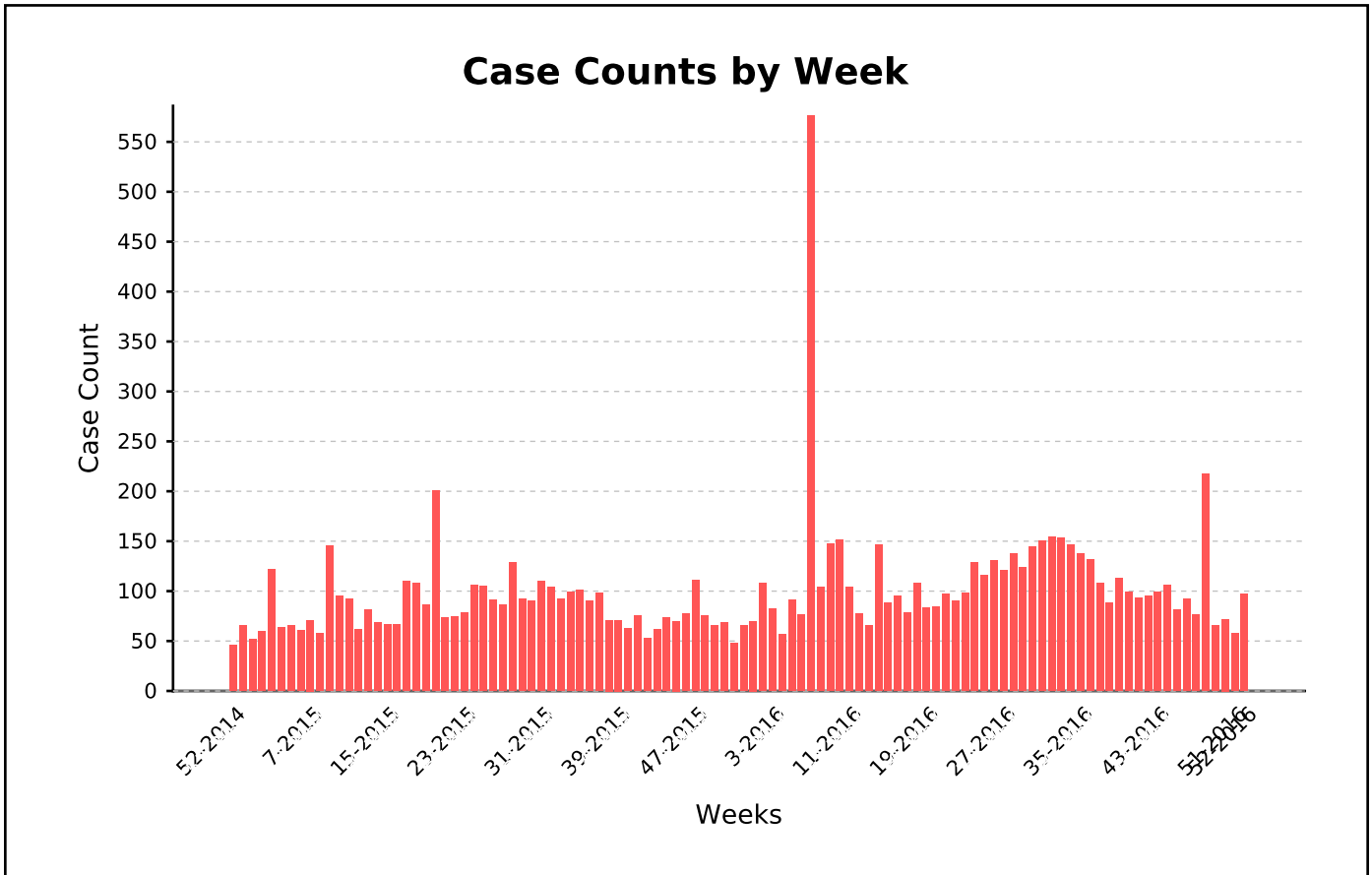
Disease Group: Foodborne

Case Status: Confirmed, Probable, Suspect

Investigation Status: Completed, Completed - Follow Up

Geographic Area: The State of Michigan

Case Types: Individual and Aggregate



Week	Total	Week	Total	Week	Total	Week	Total	Week	Total
52-2014	46	14-2015	69	29-2015	92	44-2015	73	7-2016	576
53-2014	66	15-2015	67	30-2015	90	45-2015	70	8-2016	104
1-2015	52	16-2015	67	31-2015	110	46-2015	77	9-2016	147
2-2015	60	17-2015	110	32-2015	104	47-2015	111	10-2016	151
3-2015	122	18-2015	108	33-2015	92	48-2015	75	11-2016	104
4-2015	64	19-2015	86	34-2015	99	49-2015	66	12-2016	77
5-2015	66	20-2015	201	35-2015	101	50-2015	69	13-2016	66
6-2015	61	21-2015	73	36-2015	90	51-2015	48	14-2016	146
7-2015	71	22-2015	74	37-2015	98	52-2015	66	15-2016	88
8-2015	58	23-2015	78	38-2015	71	1-2016	70	16-2016	95
9-2015	145	24-2015	106	39-2015	71	2-2016	108	17-2016	78
10-2015	95	25-2015	105	40-2015	63	3-2016	82	18-2016	108
11-2015	92	26-2015	91	41-2015	75	4-2016	57	19-2016	83
12-2015	62	27-2015	86	42-2015	53	5-2016	91	20-2016	84
13-2015	81	28-2015	129	43-2015	62	6-2016	76	21-2016	97

Week	Total
22-2016	90
23-2016	98
24-2016	129
25-2016	116
26-2016	131
27-2016	121
28-2016	138
29-2016	124
30-2016	144
31-2016	150
32-2016	154
33-2016	153
34-2016	146
35-2016	138
36-2016	132
37-2016	108
38-2016	88
39-2016	113
40-2016	99
41-2016	93
42-2016	95
43-2016	99
44-2016	106
45-2016	81
46-2016	92
47-2016	76
48-2016	217
49-2016	66
50-2016	72
51-2016	58
52-2016	97

Report 8: Epi-Curve Graph

Time Period: 12/31/2014 - 12/31/2016

Time Breakdown: by Week

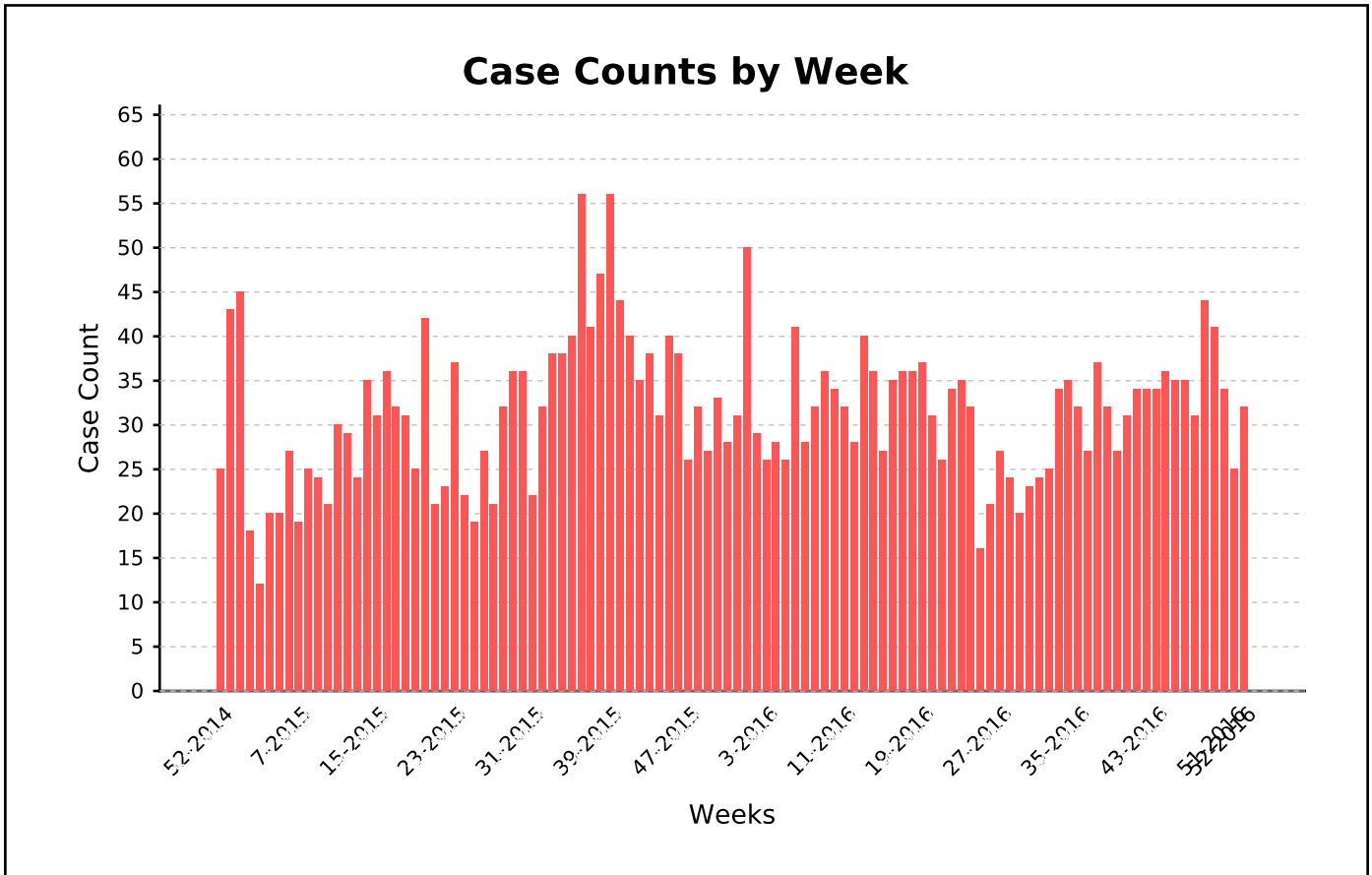
Geographic Area: The State of Michigan

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
52-2014	25	14-2015	35	29-2015	36	44-2015	31	7-2016	28
53-2014	43	15-2015	31	30-2015	36	45-2015	40	8-2016	32
1-2015	45	16-2015	36	31-2015	22	46-2015	38	9-2016	36
2-2015	18	17-2015	32	32-2015	32	47-2015	26	10-2016	34
3-2015	12	18-2015	31	33-2015	38	48-2015	32	11-2016	32
4-2015	20	19-2015	25	34-2015	38	49-2015	27	12-2016	28
5-2015	20	20-2015	42	35-2015	40	50-2015	33	13-2016	40
6-2015	27	21-2015	21	36-2015	56	51-2015	28	14-2016	36
7-2015	19	22-2015	23	37-2015	41	52-2015	31	15-2016	27
8-2015	25	23-2015	37	38-2015	47	1-2016	50	16-2016	35
9-2015	24	24-2015	22	39-2015	56	2-2016	29	17-2016	36
10-2015	21	25-2015	19	40-2015	44	3-2016	26	18-2016	36
11-2015	30	26-2015	27	41-2015	40	4-2016	28	19-2016	37
12-2015	29	27-2015	21	42-2015	35	5-2016	26	20-2016	31
13-2015	24	28-2015	32	43-2015	38	6-2016	41	21-2016	26

Week	Total
22-2016	34
23-2016	35
24-2016	32
25-2016	16
26-2016	21
27-2016	27
28-2016	24
29-2016	20
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
45-2016	35
46-2016	35
47-2016	31
48-2016	44
49-2016	41
50-2016	34
51-2016	25
52-2016	32