



*mi*Ottawa Department of
Public Health

Monthly Reportable Disease Summary

Ottawa County

2014

Prepared January 30, 2015

12251 James Street • Holland, MI 49424-9661 • (616) 396-5266 • Fax (616) 393-5643
www.miottawa.org/mihealth

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Reportable Diseases Summary

2014

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Monthly Reportable Disease Summary January 2014

The data in the Monthly Disease Reports are provisional, based on current reports in the Michigan Disease Surveillance System (MDSS) made 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. Each Monthly Disease Report reflects this constant activity as the numbers may slightly fluctuate each month. Therefore, it should be kept in mind that numbers in the Monthly Disease Reports are NOT final and should be used only to generally monitor trends over time. Suspected, probable or laboratory confirmed cases of the reportable condition are included in the report.

Specific data requests and questions should be directed towards:

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Epidemiologist
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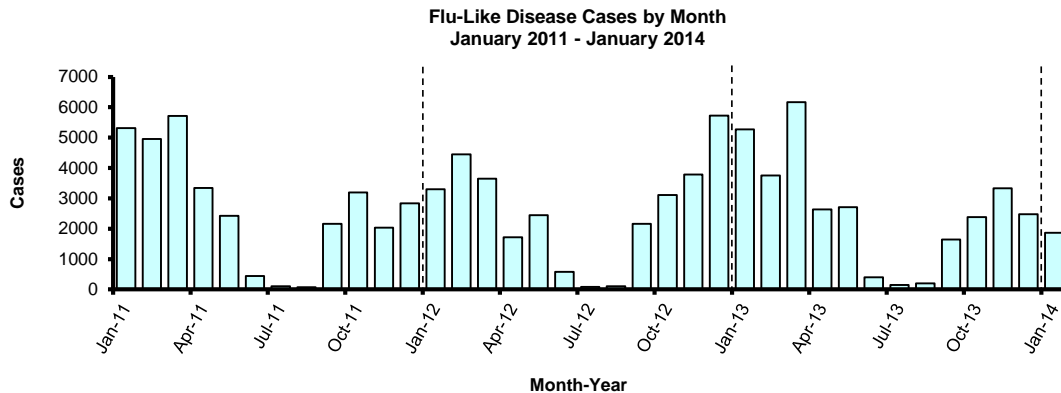
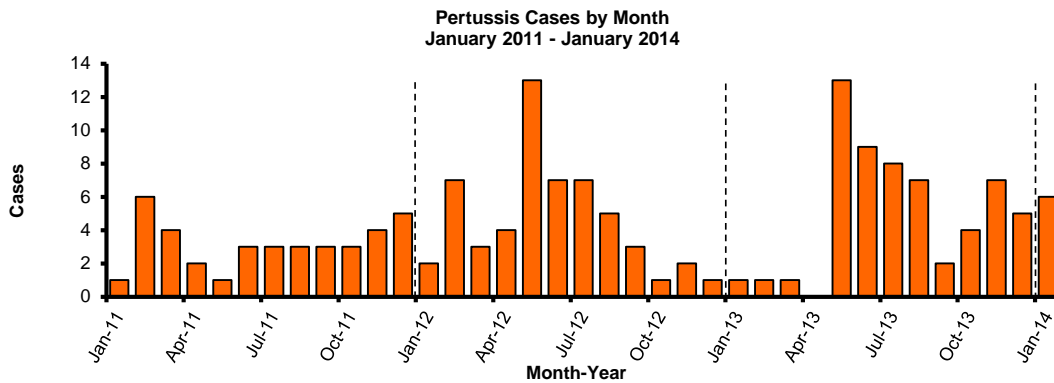
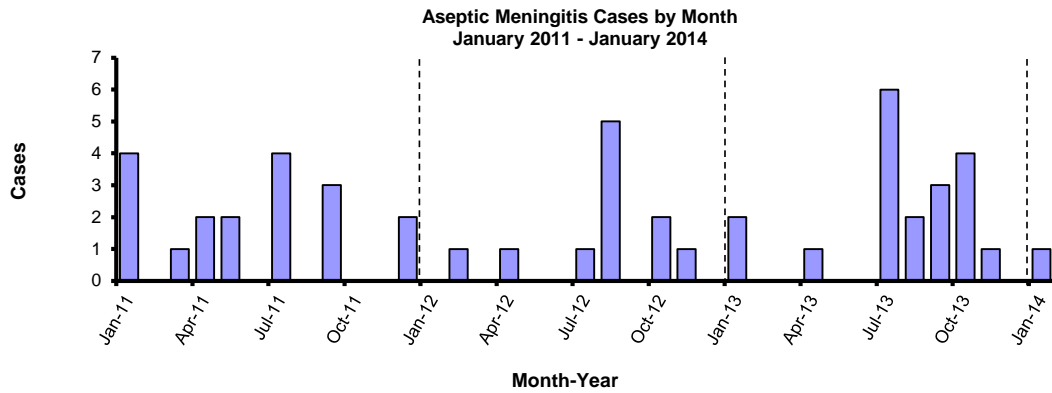
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Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date***				Year End
		Oct-13	Nov-13	Dec-13	Jan-14	2011	2012	2013	2014	2014
Viral Hepatitis	Hepatitis A	-	-	-	-	-	-	-	-	-
	Hepatitis B, Acute	-	-	-	-	-	-	-	-	-
	Hepatitis B, Chronic	2	1	2	-	3	1	2	-	10
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	-	-	-	-	1
	Hepatitis C, Chronic	4	4	4	2	4	2	3	2	55
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	1
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	6	5	6	2	7	3	5	2	67
	Total		2,426	3,382	2,503	1,898	5,357	3,333	5,318	1,898

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

**Data for cases reported by month are based on the week the case was referred to the health department.

***Data reported for cases in each of last four years are year to date; Year End is total cases for 2014 through most recent reporting month.





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Monthly Reportable Disease Summary

February 2014

The data in the Monthly Disease Reports are provisional, based on current reports in the Michigan Disease Surveillance System (MDSS) made 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. Each Monthly Disease Report reflects this constant activity as the numbers may slightly fluctuate each month. Therefore, it should be kept in mind that numbers in the Monthly Disease Reports are NOT final and should be used only to generally monitor trends over time. Suspected, probable or laboratory confirmed cases of the reportable condition are included in the report.

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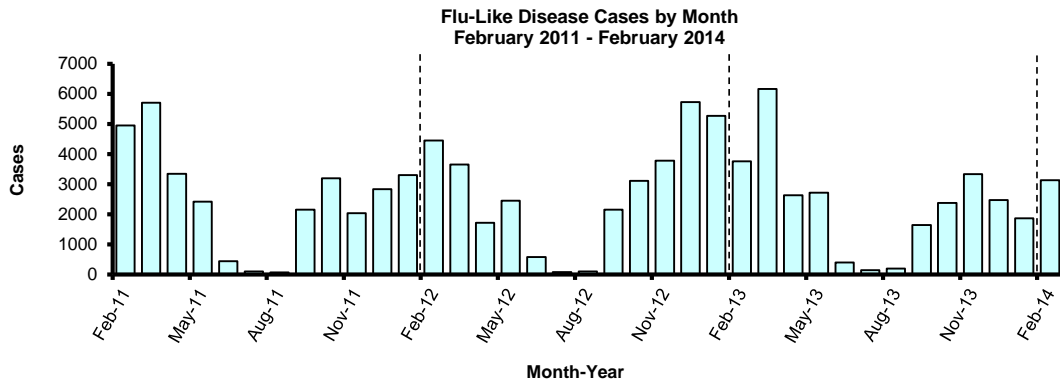
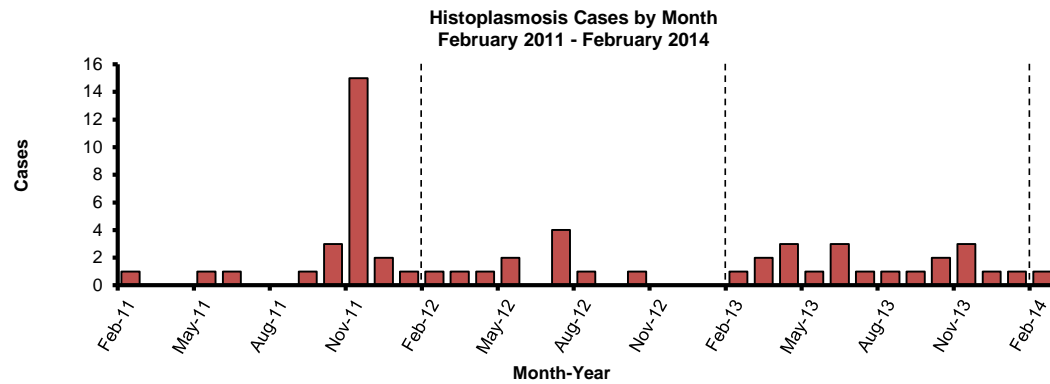
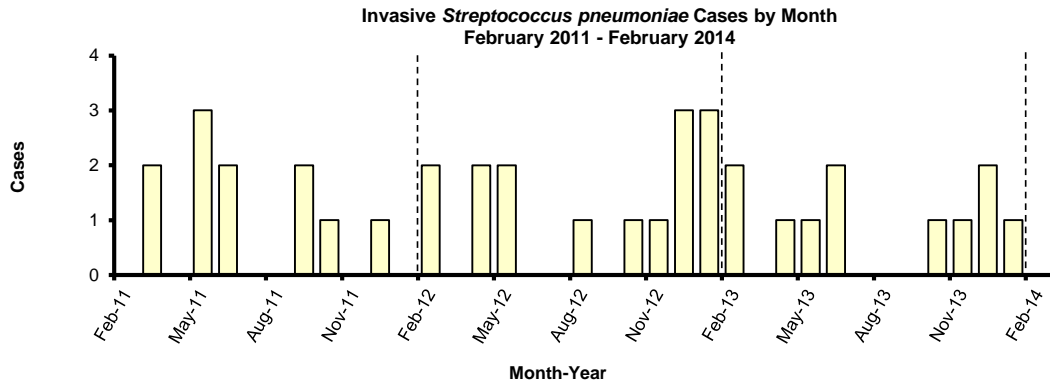
Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date***				Year End
		Nov-13	Dec-13	Jan-14	Feb-14	2011	2012	2013	2014	2014
Other	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	1	-	1
	Streptococcal Dis, Inv, Grp A	3	-	-	1	1	-	1	1	8
	Streptococcal Toxic Shock	-	-	-	-	-	-	1	-	-
	Toxic Shock	-	-	-	-	-	-	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	1	-	-	-	1	2
	VISA	-	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
Other Subtotal	7	2	4	3	6	5	6	7	32	
STD	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	54	55	51	58	98	115	111	109	712
	Gonorrhoea	5	6	10	5	12	9	21	15	86
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	-	-	-	-
	Syphilis - Latent of Unknown Duration	-	-	-	-	-	-	-	-	4
	Syphilis - Primary	-	-	-	-	-	-	-	-	1
Syphilis - Secondary	-	-	-	-	1	-	-	-	4	
STD Subtotal	59	61	61	63	111	124	132	124	807	
Tuberculosis	Tuberculosis	1	-	-	-	2	-	1	-	4
	Mycobacterium - Other	2	1	-	-	3	1	1	-	23
	Tuberculosis Subtotal	3	1	-	-	5	1	2	-	27
VPD	Chickenpox (Varicella)	6	1	2	-	3	7	1	2	28
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	1	-	-	-	1	-	-	-	3
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	-
	Pertussis	7	5	6	4	7	9	2	10	41
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	1	-	-	2	-	3	-	2	10
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	-	-	-	1	-	2
VPD Subtotal	15	6	8	6	11	19	4	14	84	
Vectorborne	Babesiosis	-	-	-	-	-	-	-	-	-
	Dengue Fever	-	-	-	-	-	-	-	-	-
	Ehrlichiosis*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	-	-	-	2
	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	-	1	-	-	-	1	4
	Malaria	-	-	-	-	-	-	-	-	1
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	
Vectorborne Subtotal	-	-	-	1	-	-	-	1	7	

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date***				Year End
		Nov-13	Dec-13	Jan-14	Feb-14	2011	2012	2013	2014	2014
Viral Hepatitis	Hepatitis A	-	-	-	-	-	-	-	-	-
	Hepatitis B, Acute	-	-	-	-	-	-	-	-	-
	Hepatitis B, Chronic	1	2	-	3	4	1	3	3	10
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	-	-	-	-	1
	Hepatitis C, Chronic	4	4	2	3	9	7	6	5	55
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	1
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	5	6	2	6	13	8	9	8	67
Total		3,382	2,503	1,898	3,165	10,348	7,813	9,101	5,063	29,583

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

**Data for cases reported by month are based on the week the case was referred to the health department.

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Monthly Reportable Disease Summary

March 2014

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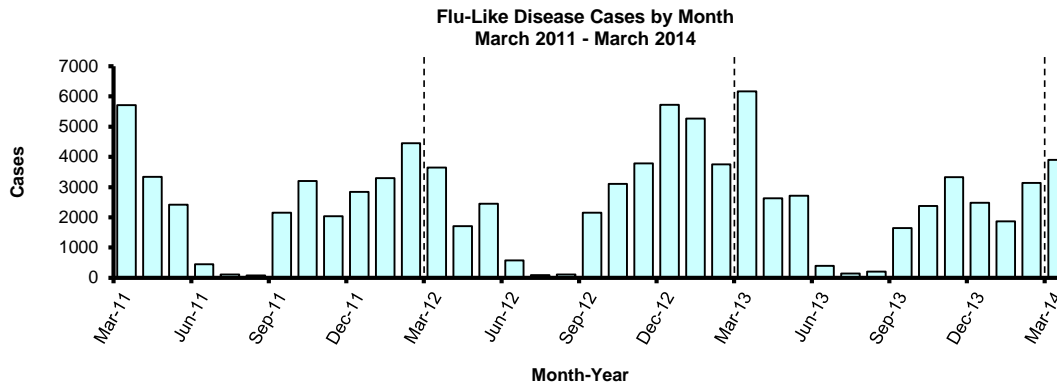
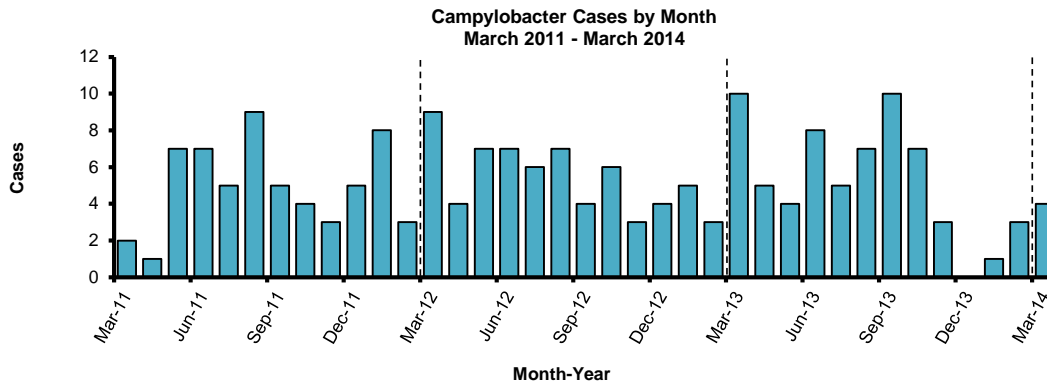
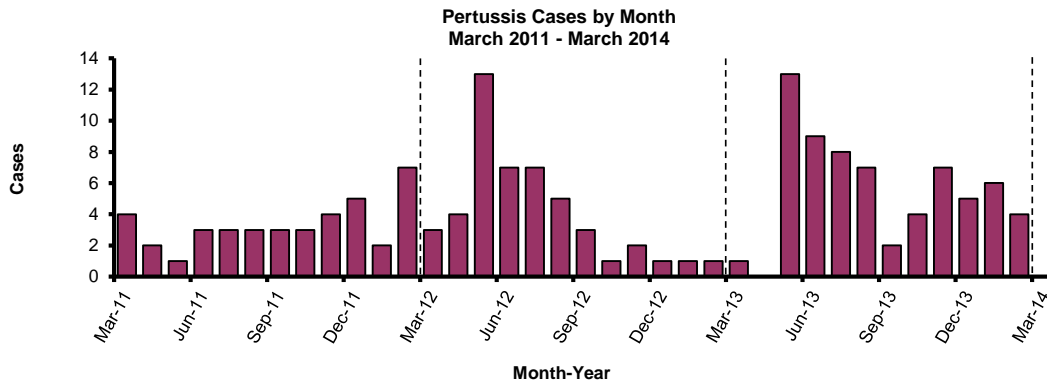
Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date***				Year End
		Dec-13	Jan-14	Feb-14	Mar-14	2011	2012	2013	2014	2014
Other	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	1	-	1
	Streptococcal Dis, Inv, Grp A	-	-	1	-	1	1	4	1	8
	Streptococcal Toxic Shock	-	-	-	-	-	-	1	-	-
	Toxic Shock	-	-	-	-	-	-	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	1	-	-	-	-	1	2
	VISA	-	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
Other Subtotal	2	4	3	1	6	8	11	8	32	
STD	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	55	51	58	44	145	187	186	153	712
	Gonorrhea	6	10	5	7	19	16	29	22	86
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	-	-	-	-
	Syphilis - Latent of Unknown Duration	-	-	-	1	-	-	-	1	4
	Syphilis - Primary	-	-	-	-	-	-	-	-	1
Syphilis - Secondary	-	-	-	-	1	-	-	-	4	
STD Subtotal	61	61	63	52	165	203	215	176	807	
Tuberculosis	Tuberculosis	-	-	-	-	2	-	1	-	4
	Mycobacterium - Other	1	-	-	2	5	1	4	2	23
	Tuberculosis Subtotal	1	-	-	2	7	1	5	2	27
VPD	Chickenpox (Varicella)	1	2	-	3	8	7	3	5	28
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	-	-	1	1	-	-	1	3
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	-
	Pertussis	5	6	4	-	11	12	3	10	41
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	-	-	2	1	-	5	1	3	10
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	-	-	-	1	-	2
VPD Subtotal	6	8	6	5	20	24	8	19	84	
Vectorborne	Babesiosis	-	-	-	-	-	-	-	-	-
	Dengue Fever	-	-	-	-	-	-	-	-	-
	Ehrlichiosis*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	-	-	-	2
	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	1	-	-	1	-	1	4
	Malaria	-	-	-	-	-	-	-	-	1
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-
West Nile Virus	-	-	-	-	-	-	-	-	-	
Yellow Fever	-	-	-	-	-	-	-	-	-	
Vectorborne Subtotal	-	-	1	-	-	1	-	1	7	

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Viral Hepatitis	Hepatitis A	-	-	-	-	1	-	-	-	-
	Hepatitis B, Acute	-	-	-	-	-	-	-	-	-
	Hepatitis B, Chronic	2	-	3	-	7	2	5	3	10
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	1	-	-	-	1
	Hepatitis C, Chronic	4	2	3	7	18	12	12	12	55
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	1
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	6	2	6	7	44	49	57	64	67
Total		2,503	1,898	3,165	3,935	16,114	11,525	15,346	9,047	29,583

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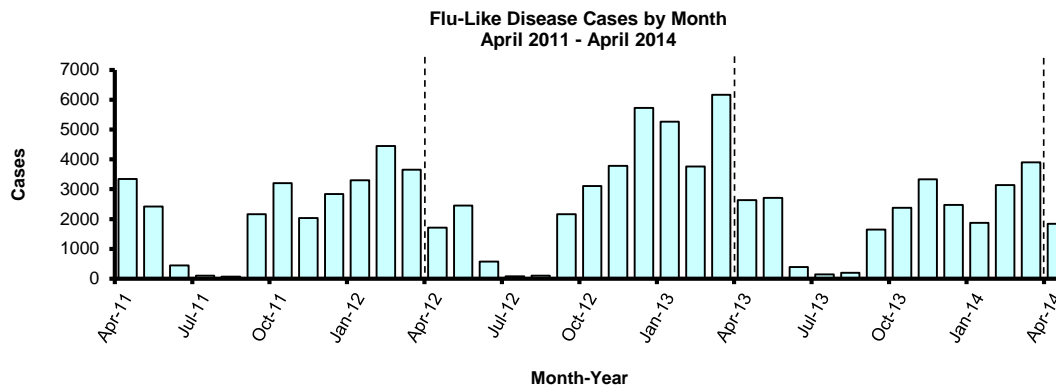
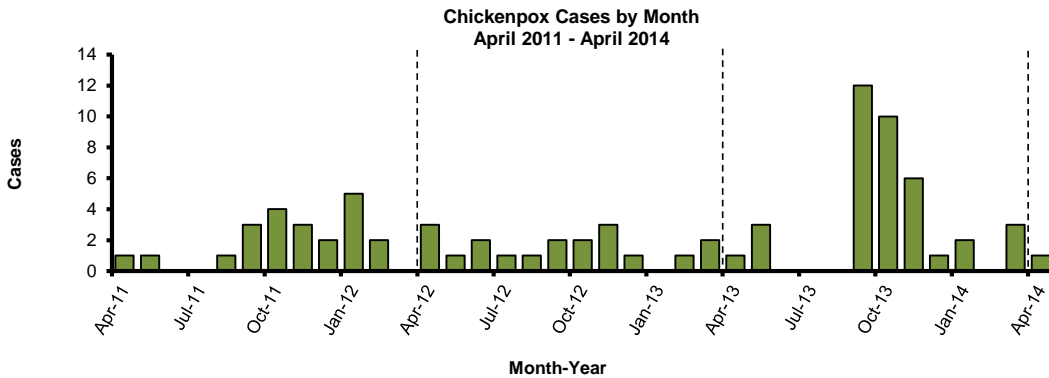
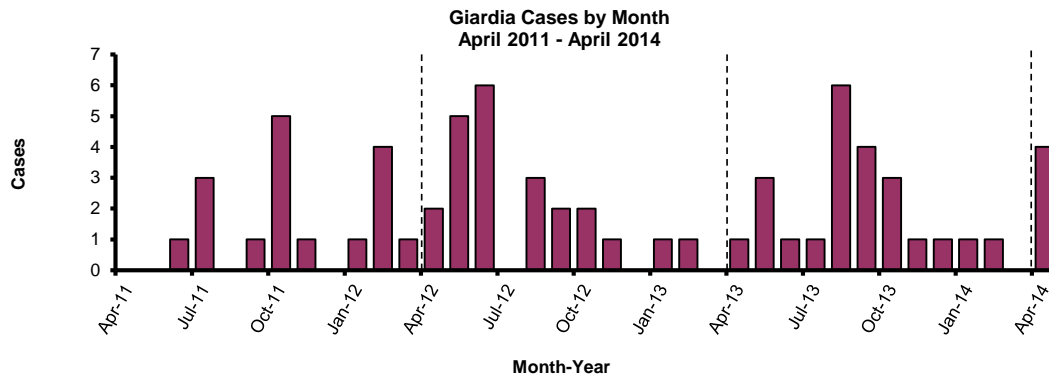
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	Streptococcus pneumoniae, Drug Resistant	-	-	-	-	2	1	2	-	1
	Streptococcal Dis, Inv, Grp A	-	1	-	1	3	3	4	2	8
	Streptococcal Toxic Shock	-	-	-	-	-	-	2	-	-
	Toxic Shock	-	-	-	-	-	1	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	1	-	-	-	-	-	1	2
	VISA	-	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
Other Subtotal	4	3	1	2	10	15	16	10	32	
STD	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	51	58	44	42	182	261	253	195	712
	Gonorrhea	10	5	7	10	25	22	34	32	86
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	-	-	-	-
	Syphilis - Latent of Unknown Duration	-	-	1	-	1	-	-	1	4
	Syphilis - Primary	-	-	-	-	-	-	-	-	1
Syphilis - Secondary	-	-	-	1	1	-	-	1	4	
STD Subtotal	61	63	52	53	209	283	287	229	807	
Tuberculosis	Tuberculosis	-	-	-	-	2	-	1	-	4
	Mycobacterium - Other	-	-	2	4	5	1	4	6	23
	Tuberculosis Subtotal	-	-	2	4	7	1	5	6	27
VPD	Chickenpox (Varicella)	2	-	3	1	9	10	4	6	28
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	-	1	1	1	-	-	2	3
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	-
	Pertussis	6	4	-	-	13	16	3	10	41
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	-	2	1	-	-	5	1	3	10
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	-	-	-	1	-	2
VPD Subtotal	8	6	5	2	23	31	9	21	84	
Vectorborne	Babesiosis	-	-	-	-	-	-	-	-	-
	Dengue Fever	-	-	-	-	-	-	-	-	-
	Ehrlichiosis*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	-	-	-	2
	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	-	1	-	-	-	2	-	1	4
	Malaria	-	-	-	-	-	-	-	-	1
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	
Vectorborne Subtotal	-	1	-	-	-	2	-	1	7	

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date***				Year End
		Jan-14	Feb-14	Mar-14	Apr-14	2011	2012	2013	2014	2014
Viral Hepatitis	Hepatitis A	-	-	-	-	1	-	-	-	-
	Hepatitis B, Acute	-	-	-	-	-	-	-	-	-
	Hepatitis B, Chronic	-	3	-	3	9	5	6	6	10
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	1	-	-	-	1
	Hepatitis C, Chronic	2	3	7	5	25	18	18	17	55
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	1
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
Viral Hepatitis Subtotal		2	6	7	8	36	23	24	23	67
Total		1,898	3,165	3,935	1,876	19,468	13,244	17,968	10,874	29,583

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

**Data for cases reported by month are based on the week the case was referred to the health department.

***Data reported for cases in each of last four years are year to date; Year End is total cases for 2014 through most recent reporting month.





*mi*Ottawa Department of
Public Health

Monthly Reportable Disease Summary May 2014

The data in the Monthly Disease Reports are provisional, based on current reports in the Michigan Disease Surveillance System (MDSS) made 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. Each Monthly Disease Report reflects this constant activity as the numbers may slightly fluctuate each month. Therefore, it should be kept in mind that numbers in the Monthly Disease Reports are NOT final and should be used only to generally monitor trends over time. Suspected, probable or laboratory confirmed cases of the reportable condition are included in the report.

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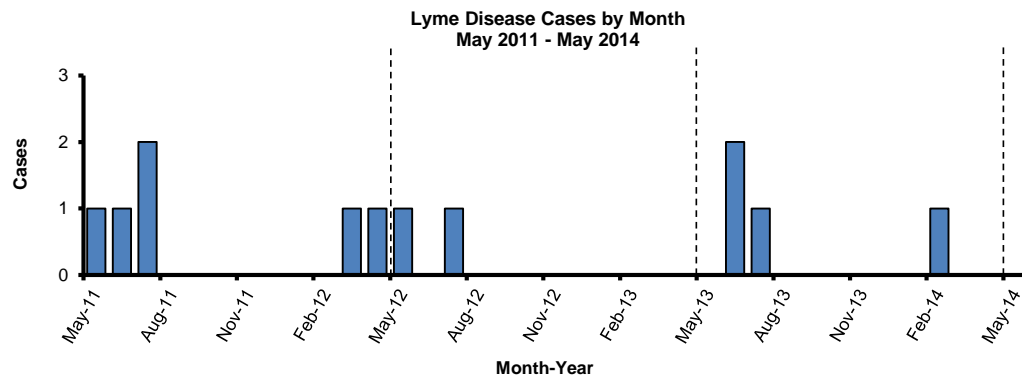
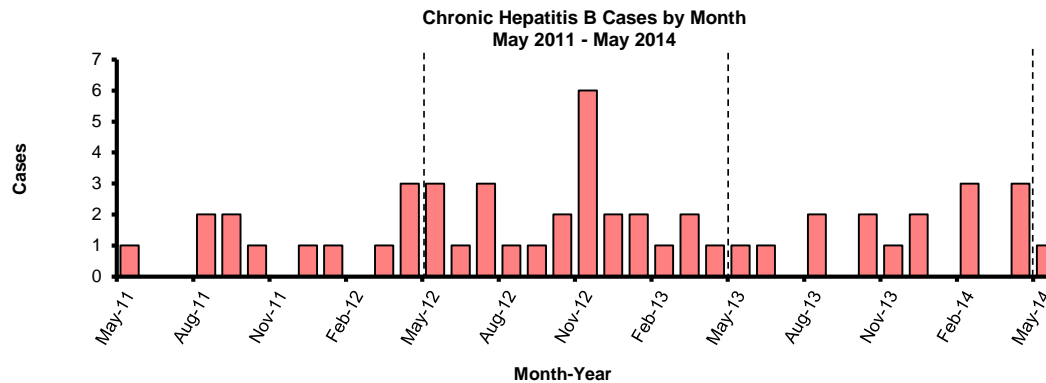
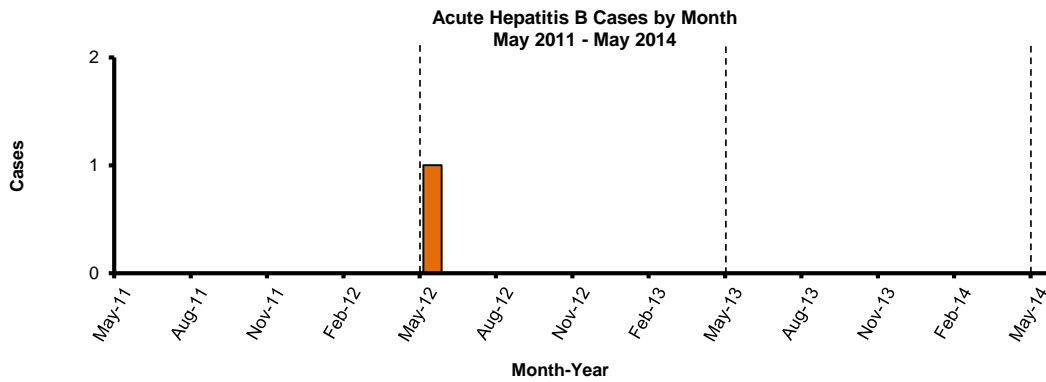
Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date***				Year End
		Feb-14	Mar-14	Apr-14	May-14	2011	2012	2013	2014	2014
Other	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	-	-	-	2	2	2	-	1
	Streptococcal Dis, Inv, Grp A	1	-	1	1	4	4	5	3	8
	Streptococcal Toxic Shock	-	-	-	-	-	-	2	-	-
	Toxic Shock	-	-	-	-	-	1	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	1	-	-	-	-	-	-	1	2
	VISA	-	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
	Other Subtotal	3	1	2	1	12	19	18	11	32
STD	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	58	44	42	68	239	322	321	263	712
	Gonorrhea	5	7	10	2	32	26	42	34	86
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	-	-	-	-
	Syphilis - Latent of Unknown Duration	-	1	-	1	1	-	-	2	4
	Syphilis - Primary	-	-	-	-	-	-	-	-	1
	Syphilis - Secondary	-	-	1	-	1	-	-	1	4
STD Subtotal	63	52	53	71	273	348	363	300	807	
Tuberculosis	Tuberculosis	-	-	-	1	2	-	1	1	4
	Mycobacterium - Other	-	2	4	4	6	3	4	10	23
	Tuberculosis Subtotal	-	2	4	5	8	3	5	11	27
VPD	Chickenpox (Varicella)	-	3	1	2	10	11	7	8	28
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	1	1	-	1	-	-	2	3
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	-
	Pertussis	4	-	-	-	14	29	16	10	41
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	2	1	-	-	-	5	1	3	10
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	-	-	-	2	-	2
	VPD Subtotal	6	5	2	2	25	45	26	23	84
Vectorborne	Babesiosis	-	-	-	-	-	-	-	-	-
	Dengue Fever	-	-	-	-	-	-	-	-	-
	Ehrlichiosis*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	-	-	-	2
	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	1	-	-	-	1	3	-	1	4
	Malaria	-	-	-	-	-	-	-	-	1
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	
Vectorborne Subtotal	1	-	-	-	1	3	-	1	7	

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date***				Year End
		Feb-14	Mar-14	Apr-14	May-14	2011	2012	2013	2014	2014
Viral Hepatitis	Hepatitis A	-	-	-	-	1	-	-	-	-
	Hepatitis B, Acute	-	-	-	-	-	1	-	-	-
	Hepatitis B, Chronic	3	-	3	1	10	8	7	7	10
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	1	-	-	-	1
	Hepatitis C, Chronic	3	7	5	7	30	21	25	24	55
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	1
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	6	7	8	8	42	30	32	31	67
Total		3,165	3,935	1,876	2,884	21,922	15,737	20,719	13,758	29,583

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

**Data for cases reported by month are based on the week the case was referred to the health department.

***Data reported for cases in each of last four years are year to date; Year End is total cases for 2014 through most recent reporting month.





*mi*Ottawa Department of
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Monthly Reportable Disease Summary June 2014

The data in the Monthly Disease Reports are provisional, based on current reports in the Michigan Disease Surveillance System (MDSS) made 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. Each Monthly Disease Report reflects this constant activity as the numbers may slightly fluctuate each month. Therefore, it should be kept in mind that numbers in the Monthly Disease Reports are NOT final and should be used only to generally monitor trends over time. Suspected, probable or laboratory confirmed cases of the reportable condition are included in the report.

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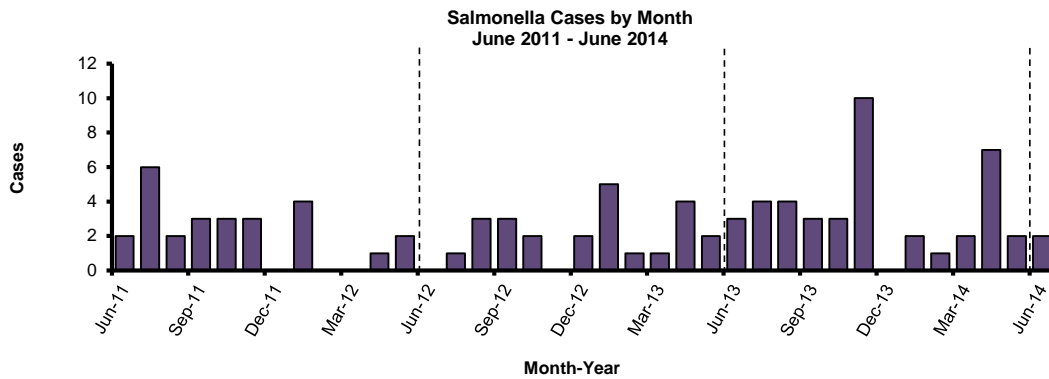
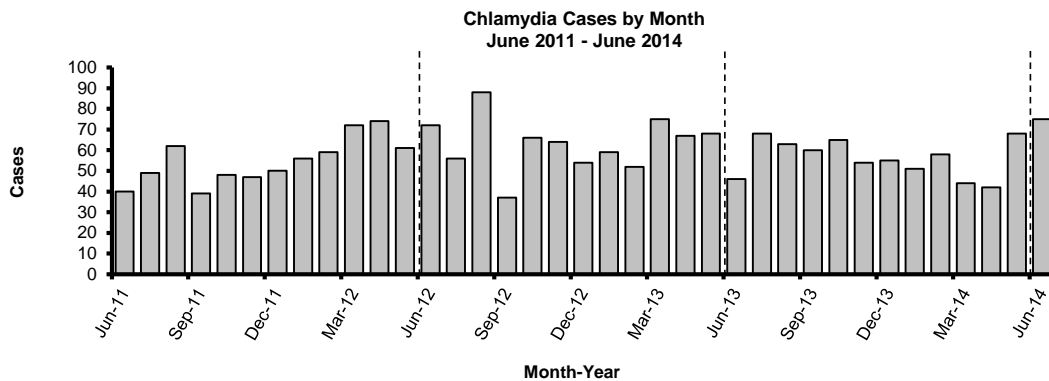
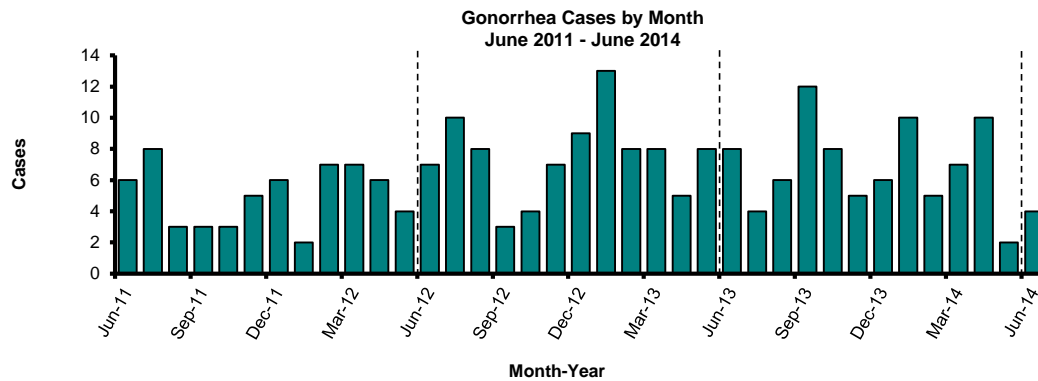
Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date***				Year End
		Mar-14	Apr-14	May-14	Jun-14	2011	2012	2013	2014	2014
Other	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	-	-	1	2	3	3	1	1
	Streptococcal Dis, Inv, Grp A	-	1	1	1	5	5	5	4	8
	Streptococcal Toxic Shock	-	-	-	-	-	-	2	-	-
	Toxic Shock	-	-	-	-	-	1	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	-	-	-	1	2
	VISA	-	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
Other Subtotal	1	2	1	4	15	21	22	15	32	
STD	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	44	42	68	75	279	394	367	338	712
	Gonorrhea	7	10	2	4	38	33	50	38	86
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	-	-	-	-
	Syphilis - Latent of Unknown Duration	1	-	1	-	1	-	-	2	4
	Syphilis - Primary	-	-	-	-	-	-	-	-	1
Syphilis - Secondary	-	1	-	-	1	-	-	1	4	
STD Subtotal	52	53	71	79	319	427	417	379	807	
Tuberculosis	Tuberculosis	-	-	1	-	3	-	1	1	4
	Mycobacterium - Other	2	4	4	3	7	5	4	13	23
	Tuberculosis Subtotal	2	4	5	3	10	5	5	14	27
VPD	Chickenpox (Varicella)	3	1	2	3	10	13	7	11	28
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	1	1	-	-	1	-	-	2	3
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	-
	Pertussis	-	-	-	2	17	36	25	12	41
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	1	-	-	1	1	5	2	4	10
	Tetanus	-	-	-	-	-	-	-	-	-
VZ Infection, Unspecified	-	-	-	-	1	-	2	-	2	
VPD Subtotal	5	2	2	6	30	54	36	29	84	
Vectorborne	Babesiosis	-	-	-	-	-	-	-	-	-
	Dengue Fever	-	-	-	-	-	-	-	-	-
	Ehrlichiosis*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	-	-	-	2
	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	-	-	2	3	2	1	4
	Malaria	-	-	-	1	-	-	-	1	1
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	
Vectorborne Subtotal	-	-	-	1	2	3	2	2	7	

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date***				Year End
		Mar-14	Apr-14	May-14	Jun-14	2011	2012	2013	2014	2014
Viral Hepatitis	Hepatitis A	-	-	-	-	1	-	-	-	-
	Hepatitis B, Acute	-	-	-	-	-	1	-	-	-
	Hepatitis B, Chronic	-	3	1	-	10	9	8	7	10
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	1	-	-	-	1
	Hepatitis C, Chronic	7	5	7	4	39	28	28	28	55
	Hepatitis C, Unknown*	-	-	-	1	-	-	-	1	1
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	7	8	8	5	51	38	36	36	67
Total		3,935	1,876	2,884	558	22,405	16,351	21,157	14,316	29,583

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

**Data for cases reported by month are based on the week the case was referred to the health department.

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Monthly Reportable Disease Summary July 2014

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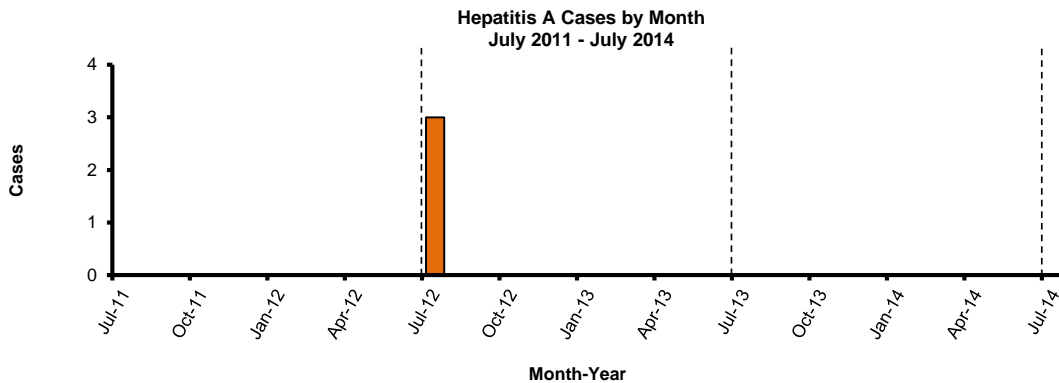
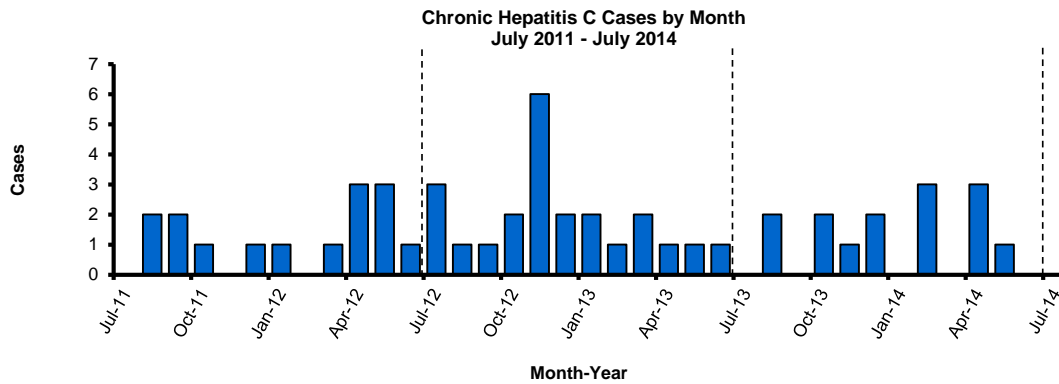
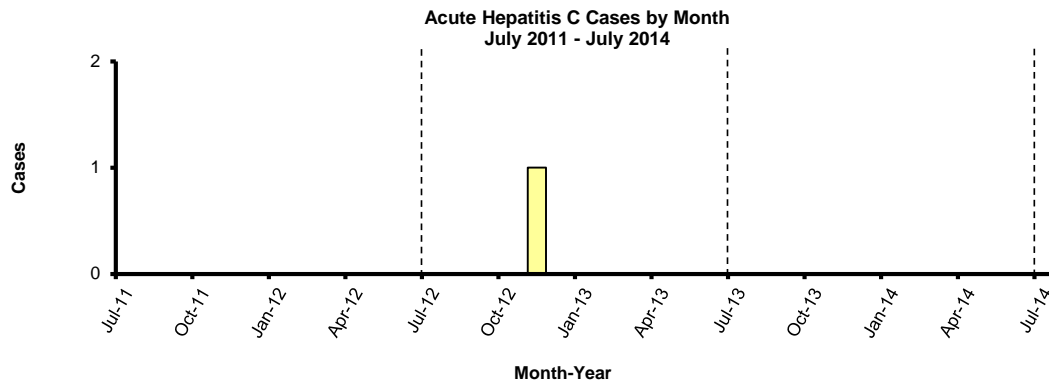
Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date***				Year End
		Apr-14	May-14	Jun-14	Jul-14	2011	2012	2013	2014	2014
Other	Streptococcus pneumoniae, Drug Resistant	-	-	1	-	2	3	3	1	1
	Streptococcal Dis, Inv, Grp A	1	1	1	-	6	6	5	4	8
	Streptococcal Toxic Shock	-	-	-	-	-	1	2	-	-
	Toxic Shock	-	-	-	-	-	1	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	-	-	1	1	2
	VISA	-	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
	Other Subtotal	2	1	4	-	19	27	24	15	32
STD	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	42	68	75	71	328	450	435	409	712
	Gonorrhea	10	2	4	8	46	43	54	46	86
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	-	-	-	-
	Syphilis - Latent of Unknown Duration	-	1	-	1	1	-	-	3	4
	Syphilis - Primary	-	-	-	-	-	-	-	-	1
	Syphilis - Secondary	1	-	-	-	1	-	-	1	4
STD Subtotal	53	71	79	80	376	493	489	459	807	
Tuberculosis	Tuberculosis	-	1	-	-	3	-	1	1	4
	Mycobacterium - Other	4	4	3	2	9	6	6	15	23
	Tuberculosis Subtotal	4	5	3	2	12	6	7	16	27
VPD	Chickenpox (Varicella)	1	2	3	1	10	14	7	12	28
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	1	-	-	-	2	-	-	2	3
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	-
	Pertussis	-	-	2	1	20	43	33	13	41
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	-	-	1	1	1	5	2	5	10
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	-	1	-	2	-	2
VPD Subtotal	2	2	6	3	34	62	44	32	84	
Vectorborne	Babesiosis	-	-	-	-	-	-	-	-	-
	Dengue Fever	-	-	-	-	-	-	-	-	-
	Ehrlichiosis*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	-	-	-	2
	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	-	2	4	4	3	3	4
	Malaria	-	-	1	-	-	-	-	1	1
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	-	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-	-
Vectorborne Subtotal	-	-	1	2	4	4	3	4	7	

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date***				Year End
		Apr-14	May-14	Jun-14	Jul-14	2011	2012	2013	2014	2014
Viral Hepatitis	Hepatitis A	-	-	-	-	1	3	-	-	-
	Hepatitis B, Acute	-	-	-	-	-	1	-	-	-
	Hepatitis B, Chronic	3	1	-	-	10	12	8	7	10
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	1	-	-	-	1
	Hepatitis C, Chronic	5	7	4	4	43	33	34	32	55
	Hepatitis C, Unknown*	-	-	1	-	-	-	-	1	1
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
Viral Hepatitis Subtotal		8	8	5	4	55	49	42	40	67
Total		1,876	2,884	558	93	22,554	16,472	21,340	14,409	29,583

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

**Data for cases reported by month are based on the week the case was referred to the health department.

***Data reported for cases in each of last four years are year to date; Year End is total cases for 2014 through most recent reporting month.





*mi*Ottawa Department of
Public Health

Monthly Reportable Disease Summary August 2014

The data in the Monthly Disease Reports are provisional, based on current reports in the Michigan Disease Surveillance System (MDSS) made 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. Each Monthly Disease Report reflects this constant activity as the numbers may slightly fluctuate each month. Therefore, it should be kept in mind that numbers in the Monthly Disease Reports are NOT final and should be used only to generally monitor trends over time. Suspected, probable or laboratory confirmed cases of the reportable condition are included in the report.

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Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		May-14	Jun-14	Jul-14	Aug-14	2011	2012	2013	2014	2014
Other	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	1	-	-	2	4	3	1	1
	Streptococcal Dis, Inv, Grp A	1	1	-	1	6	9	5	5	8
	Streptococcal Toxic Shock	-	-	-	-	-	1	2	-	-
	Toxic Shock	-	-	-	-	-	1	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	-	-	1	1	2
	VISA	-	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
	Other Subtotal	1	4	-	2	20	34	25	17	32
STD	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	68	75	71	73	390	538	498	482	712
	Gonorrhea	2	4	8	10	49	51	60	56	86
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	-	-	-	-
	Syphilis - Latent of Unknown Duration	1	-	1	-	1	-	-	3	4
	Syphilis - Primary	-	-	-	-	-	-	-	-	1
	Syphilis - Secondary	-	-	-	-	1	-	-	1	4
STD Subtotal	71	79	80	83	441	589	558	542	807	
Tuberculosis	Tuberculosis	1	-	-	1	3	1	2	2	4
	Mycobacterium - Other	4	3	2	1	10	6	10	16	23
	Tuberculosis Subtotal	5	3	2	2	13	7	12	18	27
VPD	Chickenpox (Varicella)	2	3	1	1	11	15	7	13	28
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	-	-	-	2	-	-	2	3
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	-
	Pertussis	-	2	1	3	23	48	40	16	41
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	-	1	1	3	2	5	2	8	10
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	-	1	-	3	-	2
	VPD Subtotal	2	6	3	7	39	68	52	39	84
Vectorborne	Babesiosis	-	-	-	-	-	-	-	-	-
	Dengue Fever	-	-	-	-	-	-	-	-	-
	Ehrlichiosis*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	-	-	-	2
	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	2	-	4	4	3	3	4
	Malaria	-	1	-	-	1	-	-	1	1
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	1	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	
Vectorborne Subtotal	-	1	2	-	5	5	3	4	7	

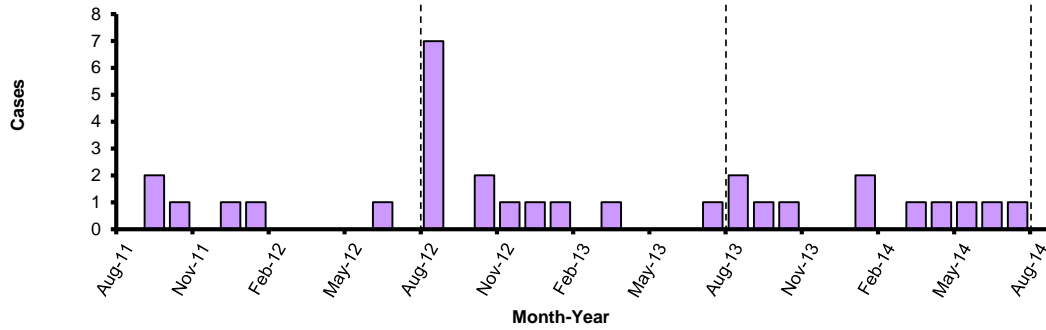
Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		May-14	Jun-14	Jul-14	Aug-14	2011	2012	2013	2014	2014
Viral Hepatitis	Hepatitis A	-	-	-	-	1	3	-	-	-
	Hepatitis B, Acute	-	-	-	-	-	1	-	-	-
	Hepatitis B, Chronic	1	-	-	1	12	13	10	8	10
	Hepatitis B, Perinatal	-	-	-	-	-	-	1	-	-
	Hepatitis C, Acute	-	-	-	-	1	-	-	-	1
	Hepatitis C, Chronic	7	4	4	5	45	43	38	37	55
	Hepatitis C, Unknown*	-	1	-	-	-	-	-	1	1
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	8	5	4	6	59	60	49	46	67
Total		2,884	558	93	123	22,653	16,638	21,586	14,532	29,583

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

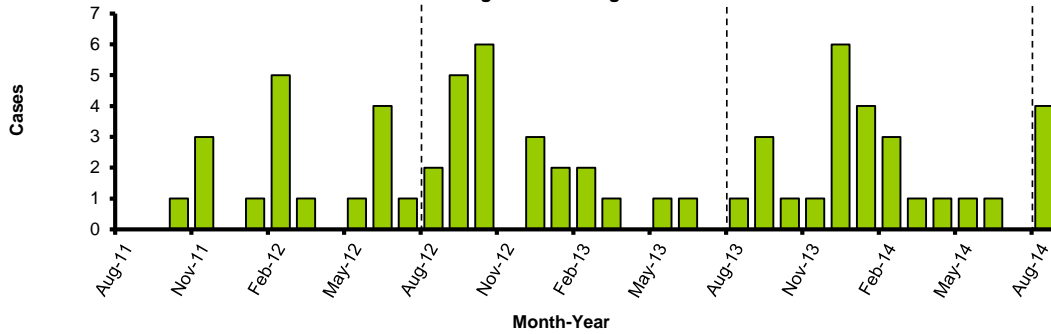
**Data for cases reported by month is based on week case was referred to the health department

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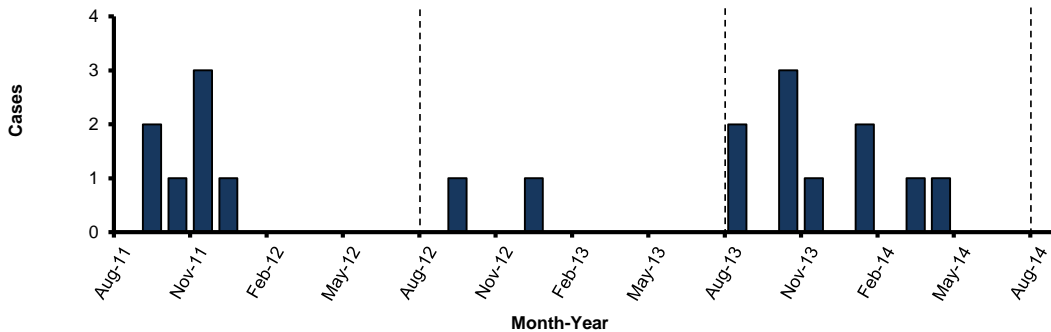
Cryptosporidiosis Cases by Month
August 2011 - August 2014



Giardia Cases by Month
August 2011 - August 2014



Shigellosis Cases by Month
August 2011 - August 2014





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Monthly Reportable Disease Summary

September 2014

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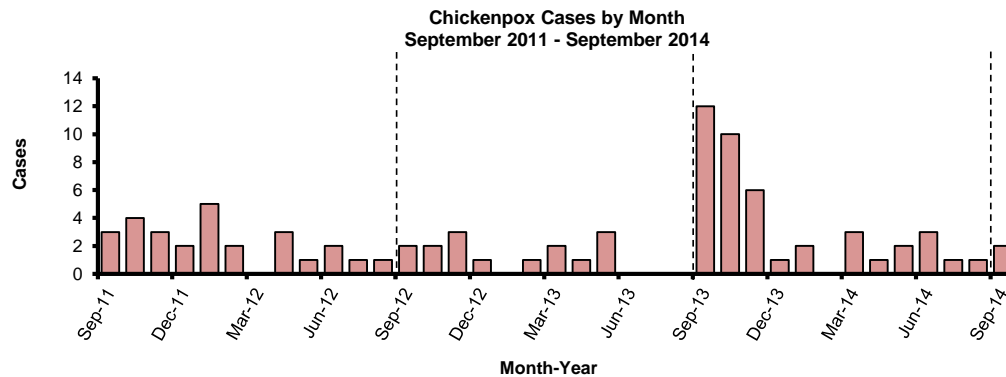
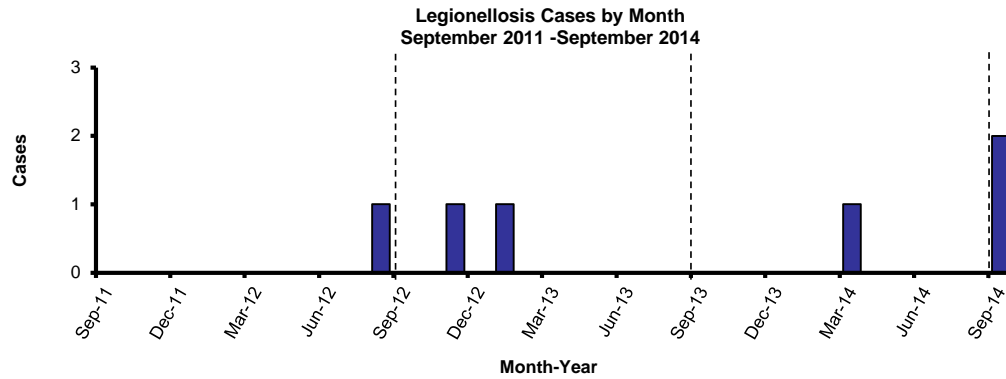
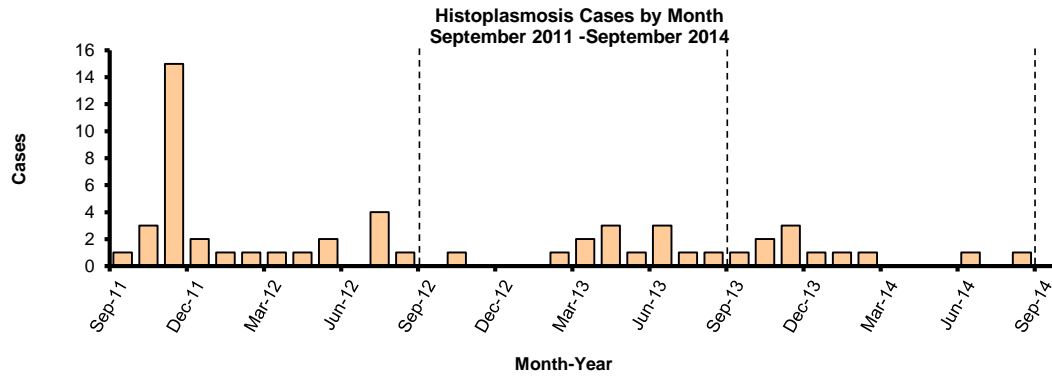
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Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Jun-14	Jul-14	Aug-14	Sep-14	2011	2012	2013	2014	2014
Other	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	1	-	-	-	2	4	3	1	1
	Streptococcal Dis, Inv, Grp A	1	-	1	2	6	9	6	7	8
	Streptococcal Toxic Shock	-	-	-	-	-	1	2	-	-
	Toxic Shock	-	-	-	-	-	1	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	1	-	-	1	2	2
	VISA	-	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
Other Subtotal		4	-	2	6	22	34	27	23	32
STD	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	75	71	73	61	429	575	558	543	712
	Gonorrhea	4	8	10	9	52	54	72	65	86
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	-	-	-	-
	Syphilis - Latent of Unknown Duration	-	1	-	-	1	-	-	3	4
	Syphilis - Primary	-	-	-	-	-	-	-	-	1
Syphilis - Secondary	-	-	-	-	3	-	-	1	4	
STD Subtotal		79	80	83	70	485	629	630	612	807
Tuberculosis	Tuberculosis	-	-	1	1	3	1	2	3	4
	Mycobacterium - Other	3	2	1	-	11	6	11	16	23
	Tuberculosis Subtotal		3	2	2	1	14	7	13	19
VPD	Chickenpox (Varicella)	3	1	1	2	14	17	19	15	28
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	-	-	-	2	-	1	2	3
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	-
	Pertussis	2	1	3	4	26	51	42	20	41
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	1	1	3	2	2	5	2	10	10
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	-	1	-	3	-	2
VPD Subtotal		6	3	7	8	45	73	67	47	84
Vectorborne	Babesiosis	-	-	-	-	-	-	-	-	-
	Dengue Fever	-	-	-	-	-	-	-	-	-
	Ehrlichiosis*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	-	-	-	2
	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	-	2	-	-	4	4	3	3	4
	Malaria	1	-	-	-	1	-	-	1	1
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	1	1	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	
Vectorborne Subtotal		1	2	-	-	5	5	4	4	7

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Jun-14	Jul-14	Aug-14	Sep-14	2011	2012	2013	2014	2014
Viral Hepatitis	Hepatitis A	-	-	-	-	1	3	-	-	-
	Hepatitis B, Acute	-	-	-	-	-	1	-	-	-
	Hepatitis B, Chronic	-	-	1	1	14	14	10	9	10
	Hepatitis B, Perinatal	-	-	-	-	-	-	1	-	-
	Hepatitis C, Acute	-	-	-	1	1	-	-	1	1
	Hepatitis C, Chronic	4	4	5	2	48	48	40	39	55
	Hepatitis C, Unknown*	1	-	-	-	-	-	-	1	1
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	5	4	6	4	64	66	51	50	67
Total		558	93	123	2,932	24,843	18,817	23,279	17,464	29,583

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

**Data for cases reported by month is based on week case was referred to the health department





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Monthly Reportable Disease Summary October 2014

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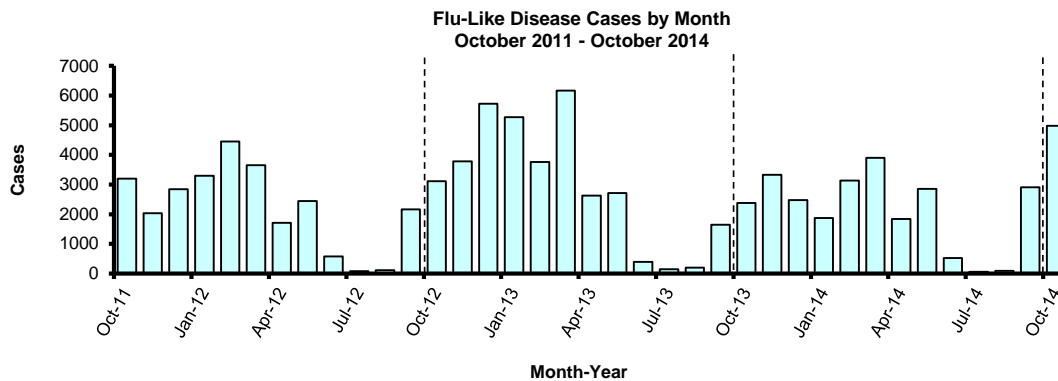
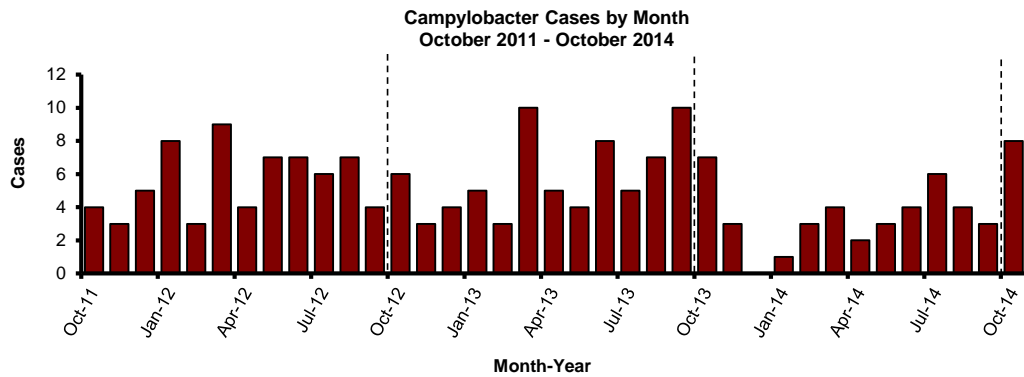
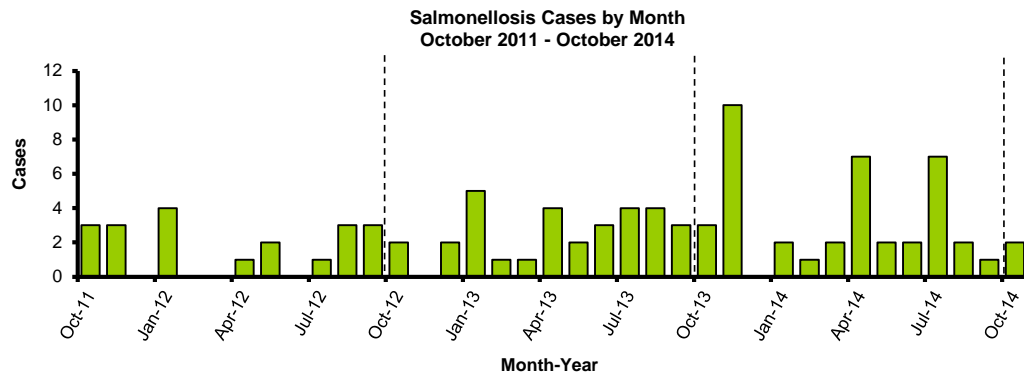
Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Jul-14	Aug-14	Sep-14	Oct-14	2011	2012	2013	2014	2014
Foodborne	Amebiasis	-	1	-	-	-	1	-	2	3
	Botulism - Foodborne	-	-	-	-	-	-	-	-	-
	Campylobacter	6	4	3	8	55	61	64	38	44
	Cryptosporidiosis	1	-	-	1	8	11	7	8	10
	Escherichia coli O157:H7*	-	-	-	-	-	-	-	-	-
	Giardiasis	2	2	1	2	14	26	21	15	17
	Listeriosis	-	-	-	-	-	-	-	-	-
	Norovirus	-	5	-	-	10	11	2	16	20
	Salmonellosis	7	2	1	2	20	16	30	28	34
	Shiga toxin, E. Coli, Non O157*	-	-	-	-	-	-	-	-	-
	Shiga toxin, E. Coli, Unsp*	-	-	-	-	-	-	-	-	-
	Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	6	3	9	3	3
	Shigellosis	1	-	-	-	7	2	8	1	3
	Typhoid Fever	-	-	-	-	-	-	-	-	-
Yersinia enterocolitica	1	-	1	-	-	1	-	2	2	
Foodborne Subtotal	18	14	6	13	120	132	141	113	136	
Influenza	Flu Like Disease*	62	87	2,903	4,978	27,731	21,595	25,304	22,154	29,139
	Influenza	-	-	1	1	23	9	40	15	48
	Influenza, 2009 Novel*	-	-	-	-	-	-	-	-	-
	Influenza, Novel	-	-	-	-	-	-	-	-	-
	Influenza Subtotal	62	87	2,904	4,979	27,754	21,604	25,344	22,169	29,187
Meningitis	Meningitis - Aseptic	2	5	2	3	16	10	18	21	24
	Meningitis - Bacterial Other	-	-	-	-	2	1	4	3	4
	Meningococcal Disease	-	-	-	-	1	-	-	-	-
	Streptococcus pneumoniae, Inv	-	-	1	1	12	8	10	11	15
	Meningitis Subtotal	2	5	3	4	31	19	32	35	43
Other	Anthrax	-	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	1	-	-	1	-	2	3
	Botulism - Infant	-	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	-	-	-	-
	Cholera	-	-	-	-	-	-	-	-	-
	Coccidioidomycosis	-	-	-	-	-	1	-	3	3
	Creutzfeldt-Jakob Disease	-	-	-	-	1	-	-	-	-
	Cryptococcosis	-	-	-	-	-	-	-	-	-
	Cyclosporiasis	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	-	-	1	-	-	-
	Encephalitis, Primary	-	-	-	-	-	-	-	-	1
	Guillain-Barre Syndrome	-	-	-	-	2	3	1	-	-
	Hantavirus	-	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	-	1	-	1	-	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	-	-	-	-
	Histoplasmosis	-	1	-	-	9	12	15	4	7
	Kawasaki	-	-	-	-	-	-	-	1	1
	Legionellosis	-	-	2	-	2	1	1	3	4
	Leprosy	-	-	-	-	-	-	-	-	-
	Leptospirosis	-	-	-	-	-	-	-	-	-
	Melioidosis	-	-	-	-	-	-	-	-	-
	Plague	-	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	-	-
	Q Fever*	-	-	-	-	1	1	-	-	1
	Q Fever Acute	-	-	-	-	1	1	-	-	1
	Q Fever Chronic	-	-	-	-	-	-	-	-	-
	Rabies Human	-	-	-	-	-	-	-	-	-
	Reye Syndrome	-	-	-	-	-	-	-	-	-
Rheumatic Fever	-	-	-	-	-	-	1	-	-	

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Jul-14	Aug-14	Sep-14	Oct-14	2011	2012	2013	2014	2014
Other	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	-	-	-	2	4	3	1	1
	Streptococcal Dis, Inv, Grp A	-	1	2	-	7	9	6	7	8
	Streptococcal Toxic Shock	-	-	-	-	-	1	2	-	-
	Toxic Shock	-	-	-	-	-	1	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	1	-	-	-	1	2	2
	VISA	-	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
Other Subtotal	-	2	6	-	26	36	31	23	32	
STD	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	71	73	61	63	477	641	623	606	712
	Gonorrhea	8	10	9	9	55	58	80	74	86
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	-	-	-	-
	Syphilis - Latent of Unknown Duration	1	-	-	1	1	-	-	4	4
	Syphilis - Primary	-	-	-	-	1	-	-	-	1
Syphilis - Secondary	-	-	-	1	3	-	-	2	4	
STD Subtotal	80	83	70	74	537	699	703	686	807	
Tuberculosis	Tuberculosis	-	1	1	-	3	1	2	3	4
	Mycobacterium - Other	2	1	-	2	12	7	13	18	23
	Tuberculosis Subtotal	2	2	1	2	15	8	15	21	27
VPD	Chickenpox (Varicella)	1	1	2	3	18	19	29	18	28
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	-	-	1	3	-	1	3	3
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	-
	Pertussis	1	3	4	4	29	52	46	24	41
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	1	3	2	-	2	5	2	10	10
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	2	1	-	3	2	2
VPD Subtotal	3	7	8	10	53	76	81	57	84	
Vectorborne	Babesiosis	-	-	-	-	-	-	-	-	-
	Dengue Fever	-	-	-	-	-	-	-	-	-
	Ehrlichiosis*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	2	-	-	-	2	2
	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	2	-	-	-	4	4	3	3	4
	Malaria	-	-	-	-	1	-	-	1	1
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	1	1	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	
Vectorborne Subtotal	2	-	-	2	5	5	4	6	7	

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Jul-14	Aug-14	Sep-14	Oct-14	2011	2012	2013	2014	2014
Viral Hepatitis	Hepatitis A	-	-	-	-	1	3	-	-	-
	Hepatitis B, Acute	-	-	-	-	-	1	-	-	-
	Hepatitis B, Chronic	-	1	1	-	15	16	12	9	10
	Hepatitis B, Perinatal	-	-	-	-	-	-	1	-	-
	Hepatitis C, Acute	-	-	1	-	1	-	-	1	1
	Hepatitis C, Chronic	4	5	2	5	55	50	44	44	55
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	1	1
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	4	6	4	5	72	70	57	55	67
Total		93	123	2,932	5,015	28,076	21,950	25,705	22,479	29,583

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

**Data for cases reported by month is based on week case was referred to the health department





*mi*Ottawa Department of
Public Health

Monthly Reportable Disease Summary

November 2014

The data in the Monthly Disease Reports are provisional, based on current reports in the Michigan Disease Surveillance System (MDSS) made 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. Each Monthly Disease Report reflects this constant activity as the numbers may slightly fluctuate each month. Therefore, it should be kept in mind that numbers in the Monthly Disease Reports are NOT final and should be used only to generally monitor trends over time. Suspected, probable or laboratory confirmed cases of the reportable condition are included in the report.

Specific data requests and questions should be directed towards:

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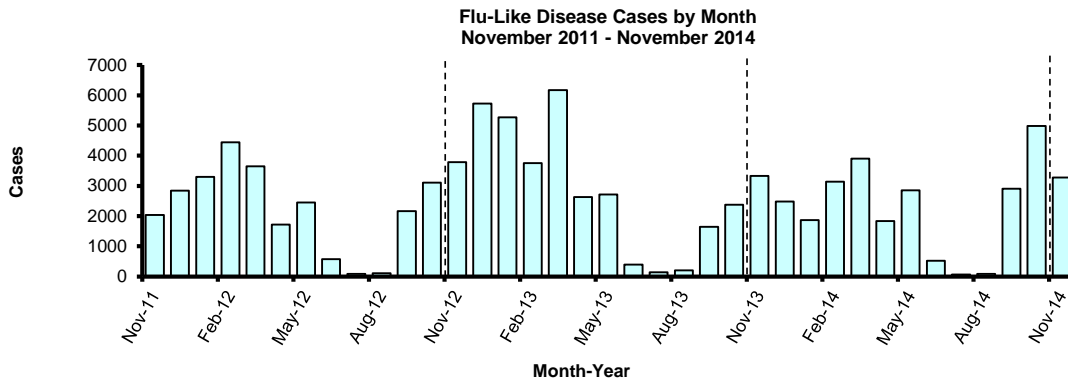
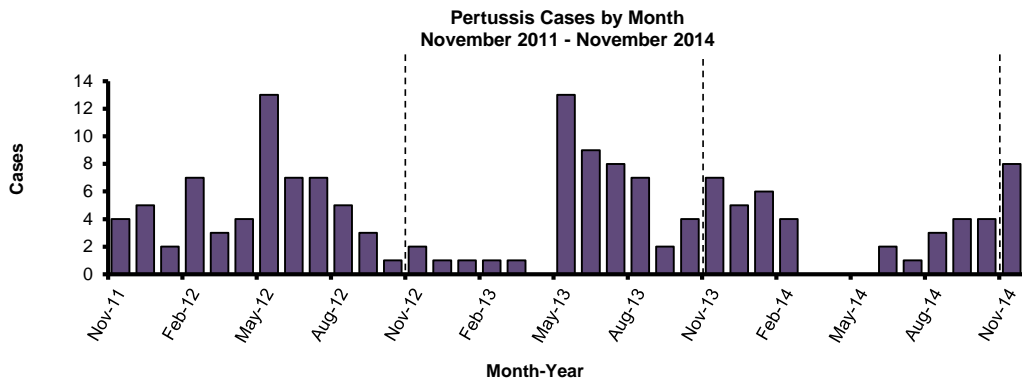
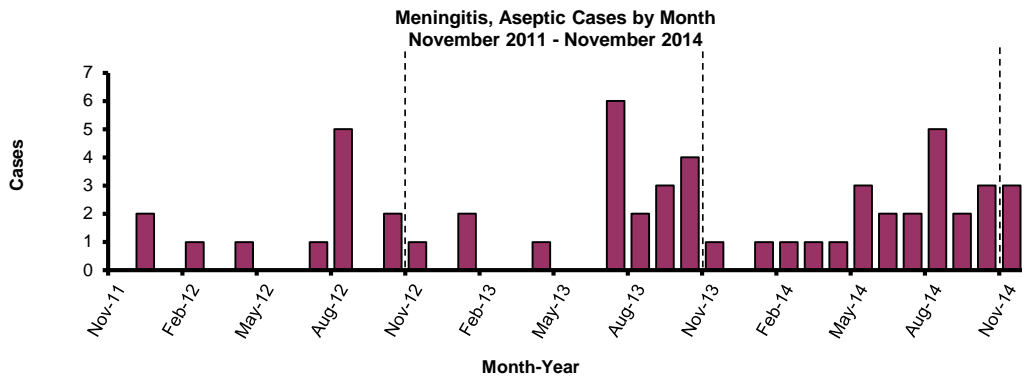
Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Aug-14	Sep-14	Oct-14	Nov-14	2011	2012	2013	2014	2014
Foodborne	Amebiasis	1	-	-	1	-	1	-	3	3
	Botulism - Foodborne	-	-	-	-	-	-	-	-	-
	Campylobacter	4	3	8	4	58	64	67	42	44
	Cryptosporidiosis	-	-	1	-	8	12	7	8	10
	Escherichia coli O157:H7*	-	-	-	-	-	-	-	-	-
	Giardiasis	2	1	2	1	15	27	22	16	17
	Listeriosis	-	-	-	-	-	-	-	-	-
	Norovirus	5	-	-	3	14	11	2	19	20
	Salmonellosis	2	1	2	3	23	16	40	31	34
	Shiga toxin, E. Coli, Non O157*	-	-	-	-	-	-	-	-	-
	Shiga toxin, E. Coli, Unsp*	-	-	-	-	-	-	-	-	-
	Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	6	4	10	3	3
	Shigellosis	-	-	-	1	7	2	9	2	3
	Typhoid Fever	-	-	-	-	-	-	-	-	-
Yersinia enterocolitica	-	1	-	-	-	1	-	2	2	
Foodborne Subtotal	14	6	13	13	131	138	157	126	136	
Influenza	Flu Like Disease*	87	2,903	4,978	3,273	29,764	25,378	28,637	25,427	29,139
	Influenza	-	1	1	1	23	12	41	16	48
	Influenza, 2009 Novel*	-	-	-	-	-	-	-	-	-
	Influenza, Novel	-	-	-	-	-	-	-	-	-
	Influenza Subtotal	87	2,904	4,979	3,274	29,787	25,390	28,678	25,443	29,187
Meningitis	Meningitis - Aseptic	5	2	3	3	16	11	19	24	24
	Meningitis - Bacterial Other	-	-	-	-	2	1	4	3	4
	Meningococcal Disease	-	-	-	-	1	-	-	-	-
	Streptococcus pneumoniae, Inv	-	1	1	2	12	9	11	13	15
	Meningitis Subtotal	5	3	4	5	31	21	34	40	43
Other	Anthrax	-	-	-	-	-	-	-	-	-
	Blastomycosis	-	1	-	1	-	1	-	3	3
	Botulism - Infant	-	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	-	-	-	-
	Cholera	-	-	-	-	-	-	-	-	-
	Coccidioidomycosis	-	-	-	-	-	2	1	3	3
	Creutzfeldt-Jakob Disease	-	-	-	-	1	-	-	-	-
	Cryptococcosis	-	-	-	-	-	-	-	-	-
	Cyclosporiasis	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	-	-	1	-	-	-
	Encephalitis, Primary	-	-	-	-	-	-	-	-	1
	Guillain-Barre Syndrome	-	-	-	-	2	3	1	-	-
	Hantavirus	-	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	-	1	-	1	-	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	-	-	-	-
	Histoplasmosis	1	-	-	1	24	12	18	5	7
	Kawasaki	-	-	-	-	-	-	-	1	1
	Legionellosis	-	2	-	1	2	2	1	4	4
	Leprosy	-	-	-	-	-	-	-	-	-
	Leptospirosis	-	-	-	-	-	-	-	-	-
	Melioidosis	-	-	-	-	-	-	-	-	-
	Plague	-	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	-	-
	Q Fever*	-	-	-	1	1	1	-	1	1
	Q Fever Acute	-	-	-	1	1	1	-	1	1
	Q Fever Chronic	-	-	-	-	-	-	-	-	-
	Rabies Human	-	-	-	-	-	-	-	-	-
	Reye Syndrome	-	-	-	-	-	-	-	-	-
Rheumatic Fever	-	-	-	-	-	-	1	-	-	

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Aug-14	Sep-14	Oct-14	Nov-14	2011	2012	2013	2014	2014
Other	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	-	-	-	2	6	3	1	1
	Streptococcal Dis, Inv, Grp A	1	2	-	-	8	10	9	7	8
	Streptococcal Toxic Shock	-	-	-	-	-	1	2	-	-
	Toxic Shock	-	-	-	-	-	1	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	1	-	-	-	-	1	2	2
	VISA	-	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
Other Subtotal	2	6	-	5	42	41	38	28	32	
STD	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	73	61	63	51	524	705	677	657	712
	Gonorrhea	10	9	9	9	60	65	85	83	86
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	-	-	-	-
	Syphilis - Latent of Unknown Duration	-	-	1	-	1	-	-	4	4
	Syphilis - Primary	-	-	-	1	1	-	-	1	1
	Syphilis - Secondary	-	-	1	1	3	-	-	3	4
STD Subtotal	83	70	74	62	589	770	762	748	807	
Tuberculosis	Tuberculosis	1	1	-	1	4	1	3	4	4
	Mycobacterium - Other	1	-	2	1	14	11	15	19	23
	Tuberculosis Subtotal	2	1	2	2	18	12	18	23	27
VPD	Chickenpox (Varicella)	1	2	3	9	21	22	35	27	28
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	-	1	-	3	2	2	3	3
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	-
	Pertussis	3	4	4	8	33	54	53	32	41
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	3	2	-	-	3	5	3	10	10
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	2	-	1	-	3	2	2
	VPD Subtotal	7	8	10	17	61	83	96	74	84
Vectorborne	Babesiosis	-	-	-	-	-	-	-	-	-
	Dengue Fever	-	-	-	-	-	-	-	-	-
	Ehrlichiosis*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	-	2	-	-	-	-	2	2
	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	-	1	4	4	3	4	4
	Malaria	-	-	-	-	2	-	-	1	1
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	1	1	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	
Vectorborne Subtotal	-	-	2	1	6	5	4	7	7	

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Aug-14	Sep-14	Oct-14	Nov-14	2011	2012	2013	2014	2014
Viral Hepatitis	Hepatitis A	-	-	-	-	1	3	-	-	-
	Hepatitis B, Acute	-	-	-	-	-	1	-	-	-
	Hepatitis B, Chronic	1	1	-	1	15	22	13	10	10
	Hepatitis B, Perinatal	-	-	-	-	-	-	1	-	-
	Hepatitis C, Acute	-	1	-	-	1	1	-	1	1
	Hepatitis C, Chronic	5	2	5	7	63	56	48	51	55
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	1	1
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	6	4	5	8	80	83	62	63	67
Total		123	2,932	5,015	3,325	30,156	25,773	29,087	25,804	29,583

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

**Data for cases reported by month is based on week case was referred to the health department





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December 2014

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Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Sep-14	Oct-14	Nov-14	Dec-14	2011	2012	2013	2014	2014
Foodborne	Amebiasis	-	-	1	-	-	1	-	3	3
	Botulism - Foodborne	-	-	-	-	-	-	-	-	-
	Campylobacter	3	8	4	2	63	68	67	44	44
	Cryptosporidiosis	-	1	-	2	9	13	7	10	10
	Escherichia coli O157:H7*	-	-	-	-	-	-	-	-	-
	Giardiasis	1	2	1	1	15	27	23	17	17
	Listeriosis	-	-	-	-	1	-	-	-	-
	Norovirus	-	-	3	1	16	12	2	20	20
	Salmonellosis	1	2	3	3	23	18	40	34	34
	Shiga toxin, E. Coli, Non O157*	-	-	-	-	-	-	-	-	-
	Shiga toxin, E. Coli, Unsp*	-	-	-	-	-	-	-	-	-
	Shiga toxin-producing Escherichia coli --(STEC)	-	-	-	-	6	8	10	3	3
	Shigellosis	-	-	1	1	7	2	10	3	3
	Typhoid Fever	-	-	-	-	-	-	-	-	-
	Yersinia enterocolitica	1	-	-	-	-	1	-	2	2
Foodborne Subtotal	6	13	13	10	140	150	159	136	136	
Influenza	Flu Like Disease*	2,903	4,978	3,273	3,712	32,604	31,103	31,116	29,139	29,139
	Influenza	1	1	1	32	23	28	46	48	48
	Influenza, 2009 Novel*	-	-	-	-	-	-	-	-	-
	Influenza, Novel	-	-	-	-	-	-	-	-	-
	Influenza Subtotal	2,904	4,979	3,274	3,744	32,627	31,131	31,162	29,187	29,187
Meningitis	Meningitis - Aseptic	2	3	3	-	18	11	19	24	24
	Meningitis - Bacterial Other	-	-	-	1	2	2	4	4	4
	Meningococcal Disease	-	-	-	-	1	-	-	-	-
	Streptococcus pneumoniae, Inv	1	1	2	2	13	12	13	15	15
	Meningitis Subtotal	3	4	5	3	34	25	36	43	43
Other	Anthrax	-	-	-	-	-	-	-	-	-
	Blastomycosis	1	-	1	-	-	1	1	3	3
	Botulism - Infant	-	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	-	-	-	-
	Cholera	-	-	-	-	-	-	-	-	-
	Coccidioidomycosis	-	-	-	-	-	3	1	3	3
	Creutzfeldt-Jakob Disease	-	-	-	-	1	-	-	-	-
	Cryptococcosis	-	-	-	-	-	-	-	-	-
	Cyclosporiasis	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	-	-	1	-	-	-
	Encephalitis, Primary	-	-	-	1	-	-	-	1	1
	Guillain-Barre Syndrome	-	-	-	-	2	3	1	-	-
	Hantavirus	-	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	-	1	1	1	-	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	-	-	-	-
	Histoplasmosis	-	-	1	2	26	12	19	7	7
	Kawasaki	-	-	-	-	-	-	-	1	1
	Legionellosis	2	-	1	-	2	2	1	4	4
	Leprosy	-	-	-	-	-	-	-	-	-
	Leptospirosis	-	-	-	-	-	-	-	-	-
	Melioidosis	-	-	-	-	-	-	-	-	-
	Plague	-	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	-	-
	Q Fever*	-	-	1	-	1	1	-	1	1
	Q Fever Acute	-	-	1	-	1	1	-	1	1
Q Fever Chronic	-	-	-	-	-	-	-	-	-	
Rabies Human	-	-	-	-	-	-	-	-	-	
Reye Syndrome	-	-	-	-	-	-	-	-	-	
Rheumatic Fever	-	-	-	-	-	-	1	-	-	

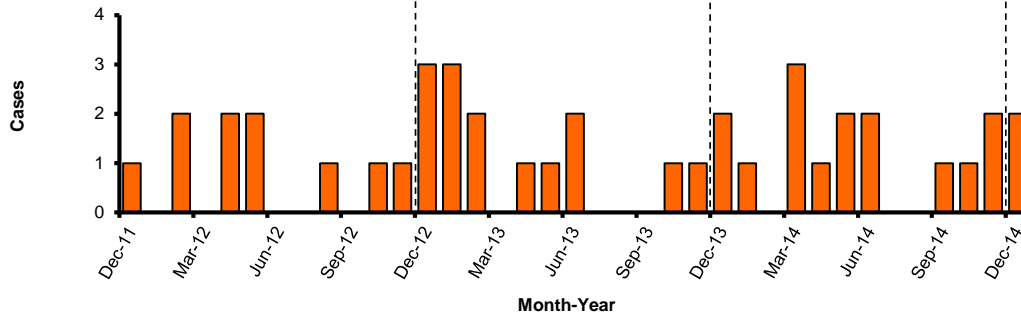
Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Sep-14	Oct-14	Nov-14	Dec-14	2011	2012	2013	2014	2014
Other	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	-	-	-	2	7	3	1	1
	Streptococcal Dis, Inv, Grp A	2	-	-	1	8	10	9	8	8
	Streptococcal Toxic Shock	-	-	-	-	-	1	2	-	-
	Toxic Shock	-	-	-	-	-	1	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	1	-	-	-	-	-	1	2	2
	VISA	-	-	-	-	-	1	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
Other Subtotal	6	-	5	4	44	45	40	32	32	
STD	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	61	63	51	55	574	759	732	712	712
	Gonorrhea	9	9	9	3	66	74	91	86	86
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	-	-	-	-
	Syphilis - Latent of Unknown Duration	-	1	-	-	1	-	-	4	4
	Syphilis - Primary	-	-	1	-	1	-	-	1	1
Syphilis - Secondary	-	1	1	1	3	-	-	4	4	
STD Subtotal	70	74	62	59	645	833	823	807	807	
Tuberculosis	Tuberculosis	1	-	1	-	4	1	3	4	4
	Mycobacterium - Other	-	2	1	4	14	12	16	23	23
	Tuberculosis Subtotal	1	2	2	4	18	13	19	27	27
VPD	Chickenpox (Varicella)	2	3	9	1	23	23	36	28	28
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	1	-	-	3	2	2	3	3
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	-
	Pertussis	4	4	8	9	38	55	58	41	41
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	2	-	-	-	3	5	3	10	10
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	2	-	-	1	-	3	2	2
VPD Subtotal	8	10	17	10	68	85	102	84	84	
Vectorborne	Babesiosis	-	-	-	-	-	-	-	-	-
	Dengue Fever	-	-	-	-	-	-	-	-	-
	Ehrlichiosis*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	2	-	-	-	-	-	2	2
	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	1	-	4	4	3	4	4
	Malaria	-	-	-	-	2	-	-	1	1
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	1	1	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	
Vectorborne Subtotal	-	2	1	-	6	5	4	7	7	

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Sep-14	Oct-14	Nov-14	Dec-14	2011	2012	2013	2014	2014
Viral Hepatitis	Hepatitis A	-	-	-	-	1	3	-	-	-
	Hepatitis B, Acute	-	-	-	-	-	1	-	-	-
	Hepatitis B, Chronic	1	-	1	-	16	24	15	10	10
	Hepatitis B, Perinatal	-	-	-	-	-	-	1	-	-
	Hepatitis C, Acute	1	-	-	-	1	1	-	1	1
	Hepatitis C, Chronic	2	5	7	4	66	61	52	55	55
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	1	1
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
Viral Hepatitis Subtotal		4	5	8	4	84	90	68	67	67
Total		2,932	5,015	3,325	3,779	33,021	31,544	31,590	29,583	29,583

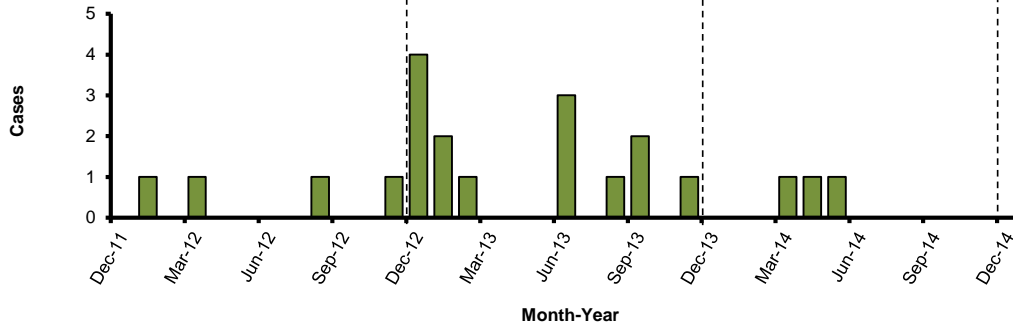
*Indicates disease no longer reported into the MDSS on an individual cases basis.

**Data for cases reported by month is based on week case was referred to the health department

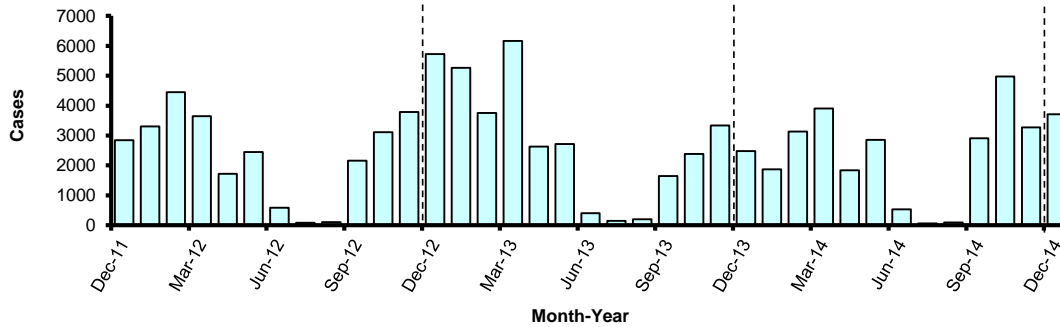
Invasive *Streptococcus pneumoniae* Cases by Month
December 2011 - December 2014



STEC Cases by Month
December 2011 - December 2014



Flu-Like Disease Cases by Month
December 2011 - December 2014





*mi*Ottawa Department of
Public Health

Quarterly Reportable Disease Summary

Ottawa County

2014

Prepared January 30, 2015

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Reportable Diseases Summary

2014

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*mi*Ottawa Department of
Public Health

Quarter 1 Reportable Disease Summary 2014

The data in the Quarterly Disease Reports are provisional, based on current reports in the Michigan Disease Surveillance System (MDSS) made 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. Each Quarterly Disease Report reflects this constant activity as the numbers may slightly fluctuate each quarter. Therefore, it should be kept in mind that numbers in the Quarterly Disease Reports are NOT final and should be used only to generally monitor trends over time. Suspected, probable or laboratory confirmed cases of the reportable condition are included in the report.

Specific data requests and questions should be directed towards:

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www.miottawa.org/mihealth

Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q1 Cases by Year***			
		Q2-13	Q3-13	Q4-13	Q1-14	Q1-11	Q1-12	Q1-13	Q1-14
Foodborne	Amebiasis	-	-	-	1	-	-	-	1
	Botulism - Foodborne	-	-	-	-	-	-	-	-
	Campylobacter	17	22	10	8	17	20	18	8
	Cryptosporidiosis	-	4	1	3	-	1	2	3
	Escherichia coli O157:H7*	-	-	-	-	-	-	-	-
	Giardiasis	5	11	5	2	4	6	2	2
	Listeriosis	-	-	-	-	-	-	-	-
	Norovirus	1	-	-	6	9	6	1	6
	Salmonellosis	9	11	13	5	-	4	7	5
	Shiga toxin, E. Coli, Non O157*	-	-	-	-	-	-	-	-
	Shiga toxin, E. Coli, Unsp*	-	-	-	-	-	-	-	-
	Shiga toxin-producing Escherichia coli --(STEC)	3	3	1	1	2	2	3	1
	Shigellosis	5	3	2	-	-	-	-	-
	Typhoid Fever	-	-	-	-	-	-	-	-
	Yersinia enteritis	-	-	-	-	-	1	-	-
Foodborne Subtotal	40	54	32	26	32	40	33	26	
Influenza	Flu Like Disease*	5,743	1,991	8,190	8,908	15,978	11,396	15,192	8,908
	Influenza	1	4	9	12	18	3	32	12
	Influenza, 2009 Novel*	-	-	-	-	-	-	-	-
	Influenza, Novel	-	-	-	-	-	-	-	-
	Influenza Subtotal	5,744	1,995	8,199	8,920	15,996	11,399	15,224	8,920
Meningitis	Meningitis - Aseptic	1	11	5	3	5	1	2	3
	Meningitis - Bacterial Other	2	1	-	-	-	-	1	-
	Meningococcal Disease	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Inv	4	-	4	4	4	2	5	4
	Meningitis Subtotal	7	12	9	7	9	3	8	7
Other	Anthrax	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	1	-	-	-	-	-
	Botulism - Infant	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	-	-	-
	Cholera	-	-	-	-	-	-	-	-
	Coccidioidomycosis	-	-	1	2	-	-	-	2
	Creutzfeldt-Jakob Disease	-	-	-	-	-	-	-	-
	Cryptococcosis	-	-	-	-	-	-	-	-
	Cyclosporiasis	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	-	-	-	-	-
	Encephalitis, Primary	-	-	-	-	-	-	-	-
	Guillain-Barre Syndrome	-	-	1	-	-	2	-	-
	Hantavirus	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	-	-	-	1	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	-	-	-
	Histoplasmosis	7	3	6	2	3	3	3	2
	Kawasaki	-	-	-	1	-	-	-	1
Legionellosis	-	-	-	1	-	-	1	1	

Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q1 Cases by Year***			
		Q2-13	Q3-13	Q4-13	Q1-14	Q1-11	Q1-12	Q1-13	Q1-14
Other	Leprosy	-	-	-	-	-	-	-	-
	Leptospirosis	-	-	-	-	-	-	-	-
	Melioidosis	-	-	-	-	-	-	-	-
	Plague	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	-
	Q Fever*	-	-	-	-	1	1	-	-
	Q Fever Acute	-	-	-	-	1	1	-	-
	Q Fever Chronic	-	-	-	-	-	-	-	-
	Rabies Human	-	-	-	-	-	-	-	-
	Reye Syndrome	-	-	-	-	-	-	-	-
	Rheumatic Fever	-	-	1	-	-	-	-	-
	Rubella - Congenital	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	2	-	-	-	-	-	1	-
	Streptococcal Dis, Inv, Grp A	1	1	3	1	1	1	4	1
	Streptococcal Toxic Shock	1	-	-	-	-	-	1	-
	Toxic Shock	-	-	-	-	-	-	-	-
	Trachoma	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	1	-	1	-	-	-	1
VISA	-	-	-	-	-	-	-	-	
VRSA	-	-	-	-	-	-	-	-	
Other Subtotal		11	5	13	8	6	8	11	8
STD	Chancroid	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	181	191	174	153	145	187	186	153
	Gonorrhea	21	22	19	22	19	16	29	22
	Granuloma Inguinale	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	-	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	-	-	-
	Syphilis - Latent of Unknown Duration	-	-	-	1	-	-	-	1
	Syphilis - Primary	-	-	-	-	-	-	-	-
	Syphilis - Secondary	-	-	-	-	1	-	-	-
STD Subtotal		202	213	193	176	165	203	215	176
Tuberculosis	Tuberculosis	-	1	1	-	2	-	1	-
	Mycobacterium - Other	-	7	5	2	5	1	4	2
	Tuberculosis Subtotal	0	8	6	2	7	1	5	2
VPD	Chickenpox (Varicella)	4	12	17	5	8	7	3	5
	Diphtheria	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	1	1	1	1	-	-	1
	Measles	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-
	Pertussis	22	17	16	10	11	12	3	10
	Polio	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-
	Shingles	1	-	1	3	-	5	1	3
	Tetanus	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	1	1	-	-	-	-	1	-
VPD Subtotal		28	31	35	19	20	24	8	19

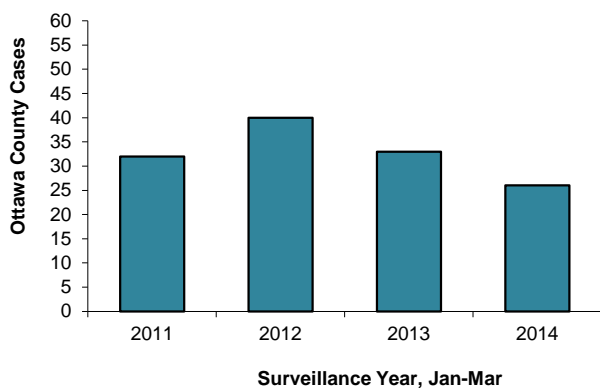
Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q1 Cases by Year***			
		Q2-13	Q3-13	Q4-13	Q1-14	Q1-11	Q1-12	Q1-13	Q1-14
Vectorborne	Babesiosis	-	-	-	-	-	-	-	-
	Dengue Fever	-	-	-	-	-	-	-	-
	Ehrlichiosis*	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	2	1	-	1	-	1	-	1
	Malaria	-	-	-	-	-	-	-	-
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	1	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	
Vectorborne Subtotal	2	2	0	1	0	1	0	1	
Viral Hepatitis	Hepatitis A	-	-	-	-	1	-	-	-
	Hepatitis B, Acute	-	-	-	-	-	-	-	-
	Hepatitis B, Chronic	3	2	5	3	7	2	5	3
	Hepatitis B, Perinatal	-	1	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	1	-	-	-
	Hepatitis C, Chronic	16	12	12	12	18	12	12	12
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
Viral Hepatitis Subtotal	19	15	17	15	27	14	17	15	
Total	6,053	2,335	8,504	9,174	16,262	11,693	15,521	9,174	

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

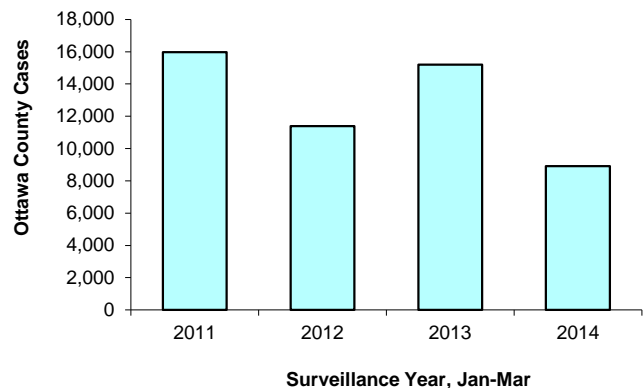
**Data for cases reported in last four quarters is based on week case was referred to the health department

***Data for cases reported in same quarter of last 4 years; Q1=January-March

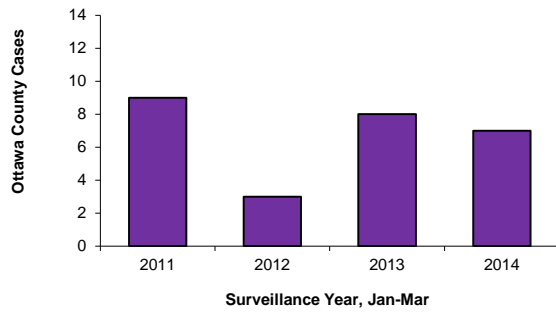
All Types of Foodborne Illness Cases in Ottawa County, Quarter 1 - Previous 4 Years



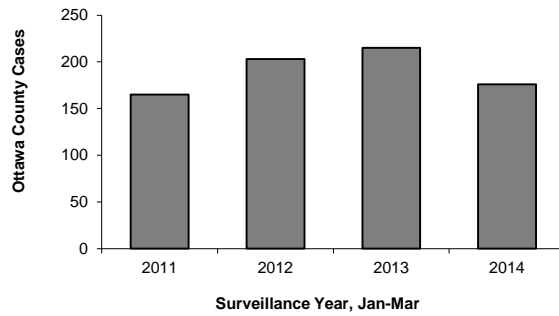
Flu-Like Disease Cases in Ottawa County, Quarter 1 - Previous 4 Years



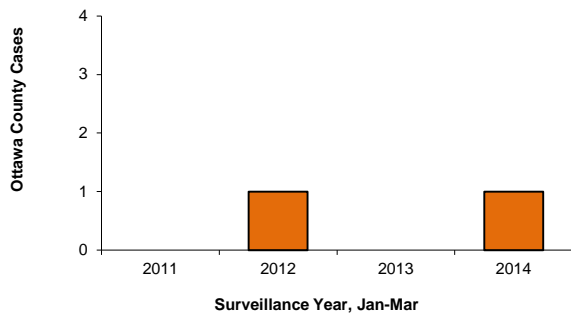
All Types of Meningitis Cases in Ottawa County, Quarter 1 - Previous 4 Years



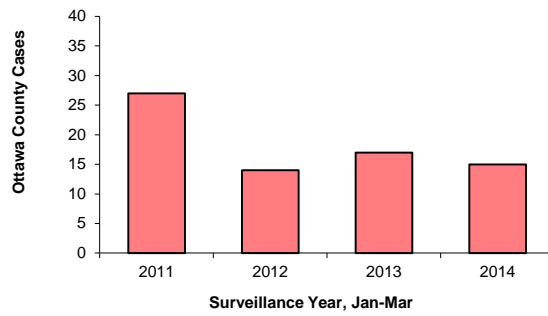
All Types of Sexually Transmitted Disease Cases in Ottawa County, Quarter 1 - Previous 4 Years



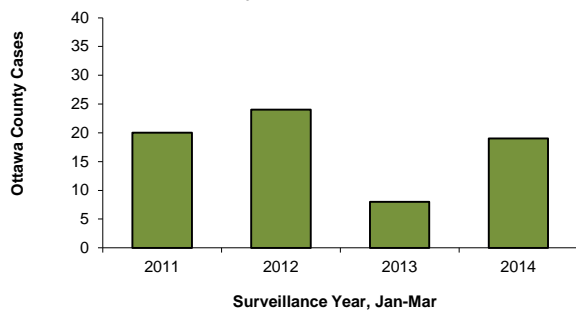
All Types of Vectorborne Disease Cases in Ottawa County, Quarter 1 - Previous 4 Years



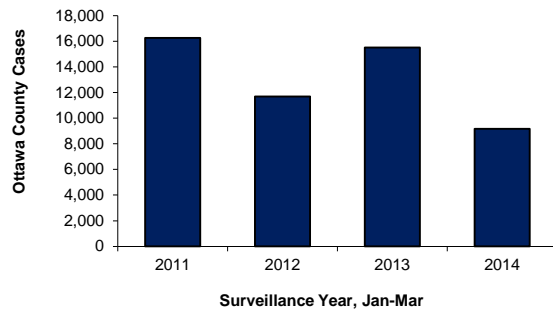
All Types of Viral Hepatitis Cases in Ottawa County, Quarter 1 - Previous 4 Years



All Types of Vaccine Preventable Disease Cases in Ottawa County, Quarter 1 - Previous 4 Years



All Reportable Disease Cases in Ottawa County, Quarter 1 - Previous 4 Years





*mi*Ottawa Department of
Public Health

Quarter 2 Reportable Disease Summary 2014

The data in the Quarterly Disease Reports are provisional, based on current reports in the Michigan Disease Surveillance System (MDSS) made 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. Each Quarterly Disease Report reflects this constant activity as the numbers may slightly fluctuate each quarter. Therefore, it should be kept in mind that numbers in the Quarterly Disease Reports are NOT final and should be used only to generally monitor trends over time. Suspected, probable or laboratory confirmed cases of the reportable condition are included in the report.

Specific data requests and questions should be directed towards:

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Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q2 Cases by Year***			
		Q3-13	Q4-13	Q1-14	Q2-14	Q2-11	Q2-12	Q2-13	Q2-14
Foodborne	Amebiasis	-	-	1	-	-	-	-	-
	Botulism - Foodborne	-	-	-	-	-	-	-	-
	Campylobacter	22	10	8	9	15	18	17	9
	Cryptosporidiosis	4	1	3	3	2	1	-	3
	Escherichia coli O157:H7*	-	-	-	-	-	-	-	-
	Giardiasis	11	5	2	6	1	13	5	6
	Listeriosis	-	-	-	-	-	-	-	-
	Norovirus	-	-	6	5	1	-	1	5
	Salmonellosis	11	13	5	11	6	3	9	11
	Shiga toxin, E. Coli, Non O157*	-	-	-	-	-	-	-	-
	Shiga toxin, E. Coli, Unsp*	-	-	-	-	-	-	-	-
	Shiga toxin-producing Escherichia coli --(STEC)	3	1	1	2	2	-	3	2
	Shigellosis	3	2	-	-	3	1	5	-
	Typhoid Fever	-	-	-	-	-	-	-	-
Yersinia enterocolitica	-	-	-	-	-	-	-	-	
Foodborne Subtotal	54	32	26	36	30	36	40	36	
Influenza	Flu Like Disease*	1,991	8,190	8,908	5,216	6,214	4,741	5,743	5,216
	Influenza	4	9	12	1	5	6	1	1
	Influenza, 2009 Novel*	-	-	-	-	-	-	-	-
	Influenza, Novel	-	-	-	-	-	-	-	-
	Influenza Subtotal	1,995	8,199	8,920	5,217	6,219	4,747	5,744	5,217
Meningitis	Meningitis - Aseptic	11	5	3	6	4	1	1	6
	Meningitis - Bacterial Other	1	-	-	3	1	-	2	3
	Meningococcal Disease	-	-	-	-	1	-	-	-
	Streptococcus pneumoniae, Inv	-	4	4	5	5	4	4	5
	Meningitis Subtotal	12	9	7	14	11	5	7	14
Other	Anthrax	-	-	-	-	-	-	-	-
	Blastomycosis	-	1	-	1	-	-	-	1
	Botulism - Infant	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	-	-	-
	Cholera	-	-	-	-	-	-	-	-
	Coccidioidomycosis	-	1	2	1	-	1	-	1
	Creutzfeldt-Jakob Disease	-	-	-	-	-	-	-	-
	Cryptococcosis	-	-	-	-	-	-	-	-
	Cyclosporiasis	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	-	-	-	-	-
	Encephalitis, Primary	-	-	-	-	-	-	-	-
	Guillain-Barre Syndrome	-	1	-	-	1	1	-	-
	Hantavirus	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	-	-	-	-	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	-	-	-
	Histoplasmosis	3	6	2	1	2	3	7	1
	Kawasaki	-	-	1	-	-	-	-	-
Legionellosis	-	-	1	-	-	-	-	-	

Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q2 Cases by Year***			
		Q3-13	Q4-13	Q1-14	Q2-14	Q2-11	Q2-12	Q2-13	Q2-14
Other	Leprosy	-	-	-	-	-	-	-	-
	Leptospirosis	-	-	-	-	-	-	-	-
	Melioidosis	-	-	-	-	-	-	-	-
	Plague	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	-
	Q Fever*	-	-	-	-	-	-	-	-
	Q Fever Acute	-	-	-	-	-	-	-	-
	Q Fever Chronic	-	-	-	-	-	-	-	-
	Rabies Human	-	-	-	-	-	-	-	-
	Reye Syndrome	-	-	-	-	-	-	-	-
	Rheumatic Fever	-	1	-	-	-	-	-	-
	Rubella - Congenital	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	-	-	1	2	3	2	1
	Streptococcal Dis, Inv, Grp A	1	3	1	3	4	4	1	3
	Streptococcal Toxic Shock	-	-	-	-	-	-	1	-
	Toxic Shock	-	-	-	-	-	1	-	-
	Trachoma	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	1	-	1	-	-	-	-	-
	VISA	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	
Other Subtotal	5	13	8	7	9	13	11	7	
STD	Chancroid	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	191	174	153	185	134	207	181	185
	Gonorrhea	22	19	22	16	19	17	21	16
	Granuloma Inguinale	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	-	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	-	-	-
	Syphilis - Latent of Unknown Duration	-	-	1	1	1	-	-	1
	Syphilis - Primary	-	-	-	-	-	-	-	-
	Syphilis - Secondary	-	-	-	1	-	-	-	1
	STD Subtotal	213	193	176	203	154	224	202	203
Tuberculosis	Tuberculosis	1	1	-	1	1	-	-	1
	Mycobacterium - Other	7	5	2	11	2	4	-	11
	Tuberculosis Subtotal	8	6	2	12	3	4	-	12
VPD	Chickenpox (Varicella)	12	17	5	6	2	6	4	6
	Diphtheria	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	1	1	1	1	-	-	-	1
	Measles	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-
	Pertussis	17	16	10	2	6	24	22	2
	Polio	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-
	Shingles	-	1	3	1	1	-	1	1
	Tetanus	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	1	-	-	-	1	-	1	-
	VPD Subtotal	31	35	19	10	10	30	28	10

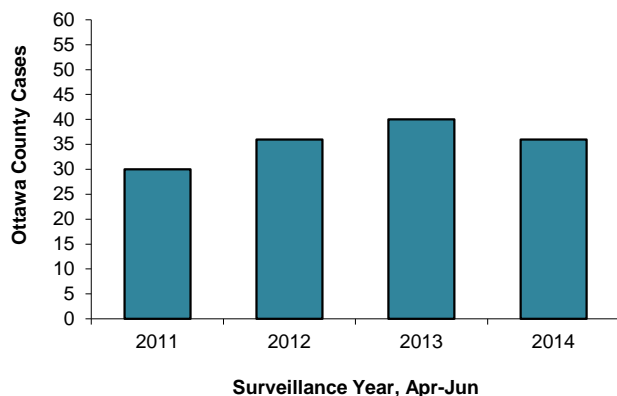
Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q2 Cases by Year***			
		Q3-13	Q4-13	Q1-14	Q2-14	Q2-11	Q2-12	Q2-13	Q2-14
Vectorborne	Babesiosis	-	-	-	-	-	-	-	-
	Dengue Fever	-	-	-	-	-	-	-	-
	Ehrlichiosis*	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	1	-	1	-	2	2	2	-
	Malaria	-	-	-	1	-	-	-	1
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	1	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	
Vectorborne Subtotal	2	-	1	1	2	2	2	1	
Viral Hepatitis	Hepatitis A	-	-	-	-	-	-	-	-
	Hepatitis B, Acute	-	-	-	-	-	1	-	-
	Hepatitis B, Chronic	2	5	3	4	3	7	3	4
	Hepatitis B, Perinatal	1	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	-	-	-	-
	Hepatitis C, Chronic	12	12	12	16	21	16	16	16
	Hepatitis C, Unknown*	-	-	-	1	-	-	-	1
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
Viral Hepatitis Subtotal	15	17	15	21	24	24	19	21	
Total	2,335	8,504	9,174	5,521	6,462	5,085	6,053	5,521	

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

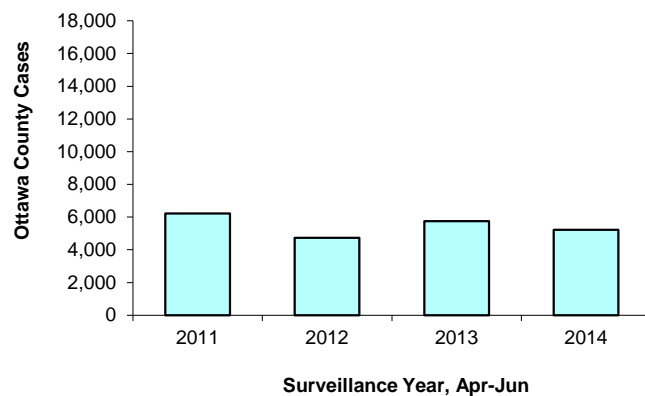
**Data for cases reported in last four quarters is based on week case was referred to the health department

***Data for cases reported in same quarter of last 4 years; Q2=April-June

All Types of Foodborne Illness Cases in Ottawa, County, Quarter 2 - Previous 4 Years

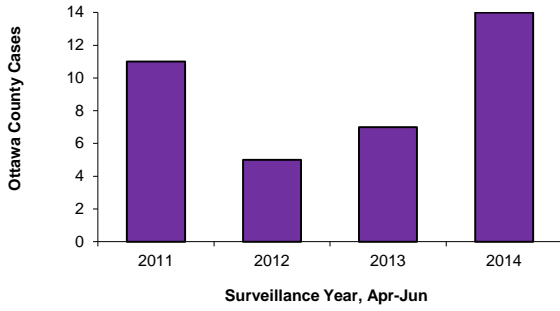


Flu-Like Disease Cases in Ottawa County, Quarter 2 - Previous 4 Years

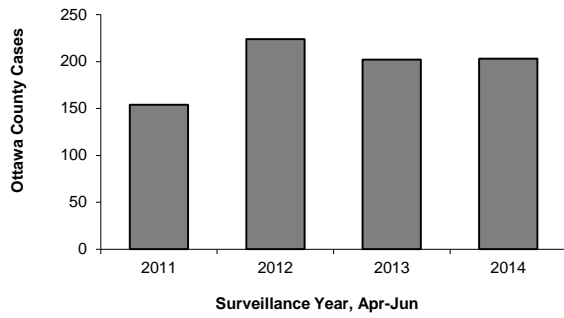


Q2 GRAPHS, cont'd:

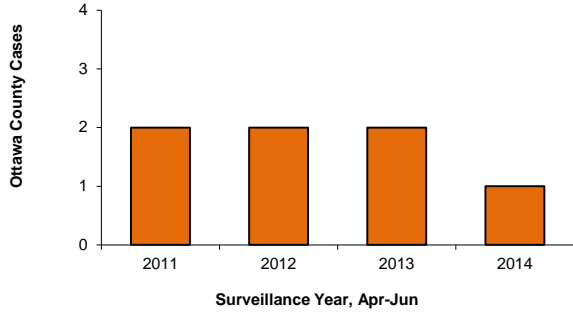
All Types of Meningitis Cases in Ottawa County, Quarter 2 - Previous 4 Years



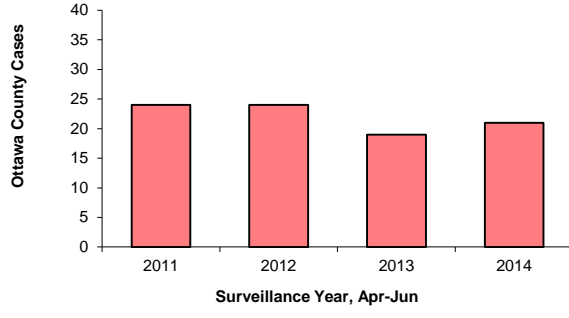
All Types of Sexually Transmitted Disease Cases in Ottawa County, Quarter 2 - Previous 4 Years



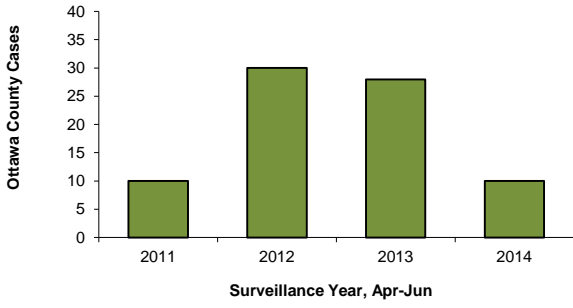
All Types of Vectorborne Disease Cases in Ottawa County, Quarter 2 - Previous 4 Years



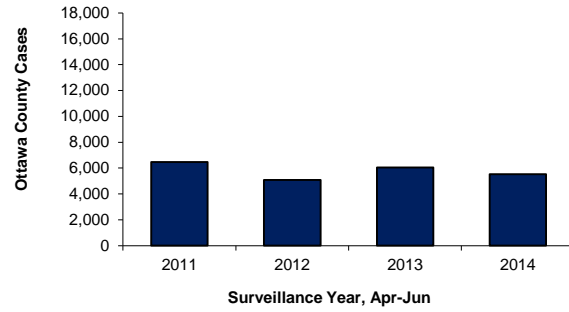
All Types of Viral Hepatitis Cases in Ottawa County, Quarter 2 - Previous 4 Years



All Types of Vaccine Preventable Disease Cases in Ottawa County, Quarter 2 - Previous 4 Years



All Reportable Disease Cases in Ottawa County, Quarter 2 - Previous 4 Years





*mi*Ottawa Department of
Public Health

Quarter 3 Reportable Disease Summary

2014

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Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q3 Cases by Year***			
		Q4-13	Q1-14	Q2-14	Q3-14	Q3-11	Q3-12	Q3-13	Q3-14
Other	Leptospirosis	-	-	-	-	-	-	-	-
	Melioidosis	-	-	-	-	-	-	-	-
	Plague	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	-
	Q Fever*	-	-	-	-	-	-	-	-
	Q Fever Acute	-	-	-	-	-	-	-	-
	Q Fever Chronic	-	-	-	-	-	-	-	-
	Rabies Human	-	-	-	-	-	-	-	-
	Reye Syndrome	-	-	-	-	-	-	-	-
	Rheumatic Fever	1	-	-	-	-	-	-	-
	Rubella - Congenital	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	-	1	-	-	1	-	-
	Streptococcal Dis, Inv, Grp A	3	1	3	3	1	4	1	3
	Streptococcal Toxic Shock	-	-	-	-	-	1	-	-
	Toxic Shock	-	-	-	-	-	-	-	-
	Trachoma	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	1	-	1	-	-	1	1
	VISA	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	
Other Subtotal		13	8	7	8	7	13	5	8
STD	Chancroid	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	174	153	185	205	150	181	191	205
	Gonorrhea	19	22	16	27	14	21	22	27
	Granuloma Inguinale	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	-	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	-	-	-
	Syphilis - Latent of Unknown Duration	-	1	1	1	-	-	-	1
	Syphilis - Primary	-	-	-	-	-	-	-	-
	Syphilis - Secondary	-	-	1	-	2	-	-	-
STD Subtotal		193	176	203	233	166	202	213	233
Tuberculosis	Tuberculosis	1	-	1	2	-	1	1	2
	Mycobacterium - Other	5	2	11	3	4	1	7	3
	Tuberculosis Subtotal	6	2	12	5	4	2	8	5
VPD	Chickenpox (Varicella)	17	5	6	4	4	4	12	4
	Diphtheria	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	1	1	1	-	1	-	1	-
	Measles	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-
	Pertussis	16	10	2	8	9	15	17	8
	Polio	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-
	Shingles	1	3	1	6	1	-	-	6
	Tetanus	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	-	-	-	1	-
VPD Subtotal		35	19	10	18	15	19	31	18

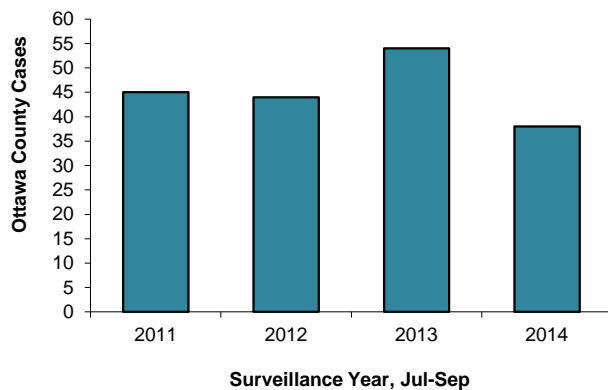
Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q3 Cases by Year***			
		Q4-13	Q1-14	Q2-14	Q3-14	Q3-11	Q3-12	Q3-13	Q3-14
Vectorborne	Babesiosis	-	-	-	-	-	-	-	-
	Dengue Fever	-	-	-	-	-	-	-	-
	Ehrlichiosis*	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	-	1	-	2	2	1	1	2
	Malaria	-	-	1	-	1	-	-	-
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	1	1	-
Yellow Fever	-	-	-	-	-	-	-	-	
Vectorborne Subtotal	0	1	1	2	3	2	2	2	
Viral Hepatitis	Hepatitis A	-	-	-	-	-	3	-	-
	Hepatitis B, Acute	-	-	-	-	-	-	-	-
	Hepatitis B, Chronic	5	3	4	2	4	5	2	2
	Hepatitis B, Perinatal	-	-	-	-	-	-	1	-
	Hepatitis C, Acute	-	-	-	1	-	-	-	1
	Hepatitis C, Chronic	12	12	16	11	9	20	12	11
	Hepatitis C, Unknown*	-	-	1	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
Viral Hepatitis Subtotal	17	15	21	14	13	28	15	14	
Total	8,504	9,174	5,521	3,381	2,604	2,668	2,335	3,381	

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

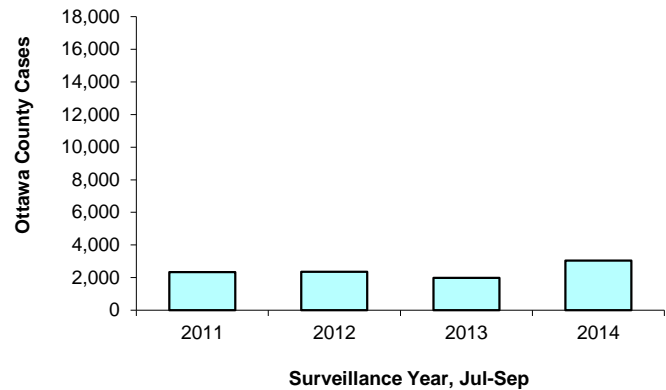
**Data for cases reported in last four quarters is based on week case was referred to the health department

***Data for cases reported in same quarter of last 4 years; Q3=July-September

All Types of Foodborne Illness Cases in Ottawa, County, Quarter 3 - Previous 4 Years

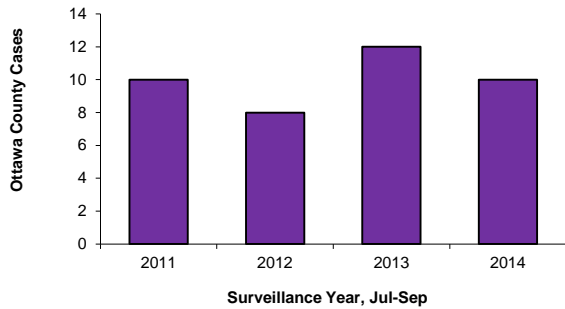


Flu-Like Disease Cases in Ottawa County, Quarter 3 - Previous 4 Years

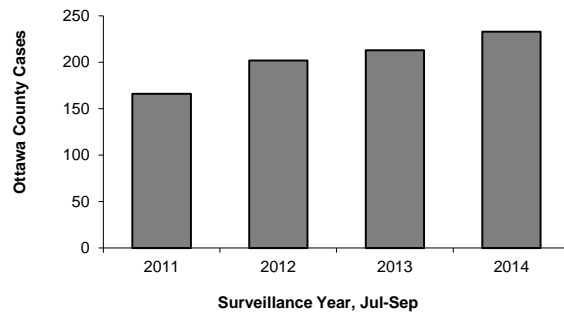


Q3 GRAPHS, cont'd:

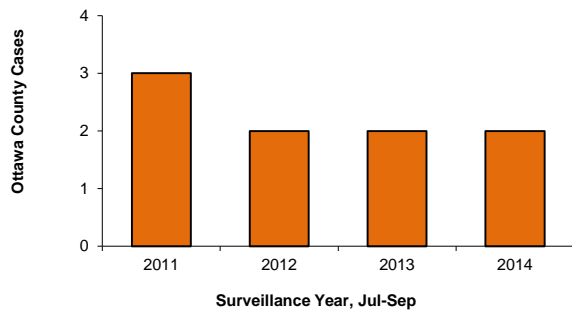
All Types of Meningitis Cases in Ottawa County, Quarter 3 - Previous 4 Years



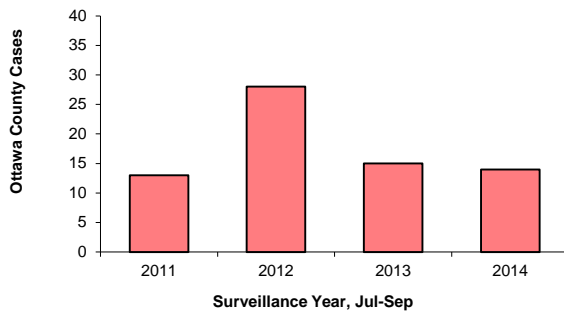
All Types of Sexually Transmitted Disease Cases in Ottawa County, Quarter 3 - Previous 4 Years



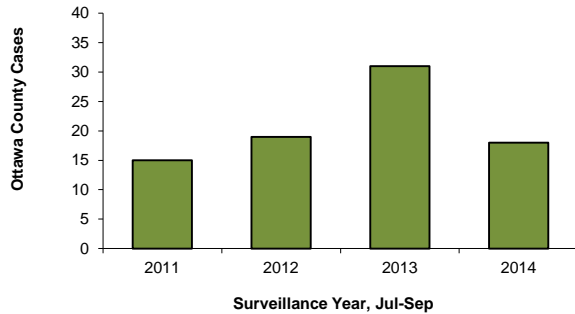
All Types of Vectorborne Disease Cases in Ottawa County, Quarter 3 - Previous 4 Years



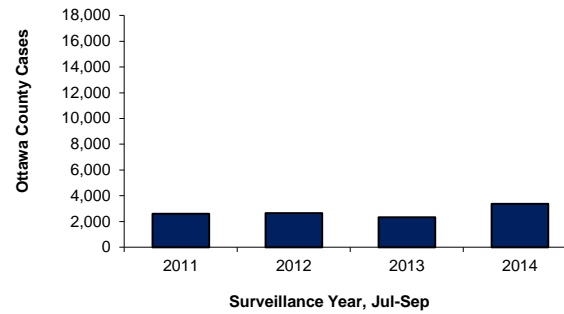
All Types of Viral Hepatitis Cases in Ottawa County, Quarter 3 - Previous 4 Years



All Types of Vaccine Preventable Disease Cases in Ottawa County, Quarter 3 - Previous 4 Years



All Reportable Disease Cases in Ottawa County, Quarter 3 - Previous 4 Years





*mi*Ottawa Department of
Public Health

Quarter 4 Reportable Disease Summary

2014

The data in the Quarterly Disease Reports are provisional, based on current reports in the Michigan Disease Surveillance System (MDSS) made 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. Each Quarterly Disease Report reflects this constant activity as the numbers may slightly fluctuate each quarter. Therefore, it should be kept in mind that numbers in the Quarterly Disease Reports are NOT final and should be used only to generally monitor trends over time. Suspected, probable or laboratory confirmed cases of the reportable condition are included in the report.

Specific data requests and questions should be directed towards:

Marcia Mansaray, M.Sc.
Epidemiologist
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Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q4 Cases by Year***			
		Q1-14	Q2-14	Q3-14	Q4-14	Q4-11	Q4-12	Q4-13	Q4-14
Other	Leptospirosis	-	-	-	-	-	-	-	-
	Melioidosis	-	-	-	-	-	-	-	-
	Plague	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	-
	Q Fever*	-	-	-	1	-	-	-	1
	Q Fever Acute	-	-	-	1	-	-	-	1
	Q Fever Chronic	-	-	-	-	-	-	-	-
	Rabies Human	-	-	-	-	-	-	-	-
	Reye Syndrome	-	-	-	-	-	-	-	-
	Rheumatic Fever	-	-	-	-	-	-	1	-
	Rubella - Congenital	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	1	-	-	-	3	-	-
	Streptococcal Dis, Inv, Grp A	1	3	3	1	2	1	3	1
	Streptococcal Toxic Shock	-	-	-	-	-	-	-	-
	Toxic Shock	-	-	-	-	-	-	-	-
	Trachoma	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	1	-	1	-	-	-	-	-
	VISA	-	-	-	-	-	1	-	-
VRSA	-	-	-	-	-	-	-	-	
Other Subtotal		8	7	8	9	22	11	13	9
STD	Chancroid	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	153	185	205	169	145	184	174	169
	Gonorrhea	22	16	27	21	14	20	19	21
	Granuloma Inguinale	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	-	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	-	-	-
	Syphilis - Latent of Unknown Duration	1	1	1	1	-	-	-	1
	Syphilis - Primary	-	-	-	1	1	-	-	1
	Syphilis - Secondary	-	1	-	3	-	-	-	3
STD Subtotal		176	203	233	195	160	204	193	195
Tuberculosis	Tuberculosis	-	1	2	1	1	-	1	1
	Mycobacterium - Other	2	11	3	7	3	6	5	7
	Tuberculosis Subtotal	2	12	5	8	4	6	6	8
VPD	Chickenpox (Varicella)	5	6	4	13	9	6	17	13
	Diphtheria	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	1	1	-	1	1	2	1	1
	Measles	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-
	Pertussis	10	2	8	21	12	4	16	21
	Polio	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-
	Shingles	3	1	6	-	1	-	1	-
	Tetanus	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	2	-	-	-	2
VPD Subtotal		19	10	18	37	23	12	35	37

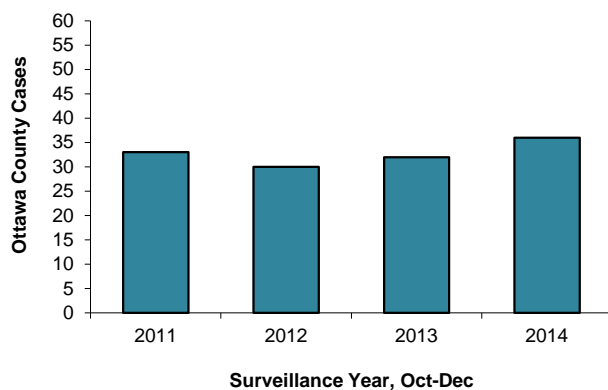
Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q4 Cases by Year***			
		Q1-14	Q2-14	Q3-14	Q4-14	Q4-11	Q4-12	Q4-13	Q4-14
Vectorborne	Babesiosis	-	-	-	-	-	-	-	-
	Dengue Fever	-	-	-	-	-	-	-	-
	Ehrlichiosis*	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	2	-	-	-	2
	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	1	-	2	1	-	-	-	1
	Malaria	-	1	-	-	1	-	-	-
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	
Vectorborne Subtotal	1	1	2	3	1	-	-	3	
Viral Hepatitis	Hepatitis A	-	-	-	-	-	-	-	-
	Hepatitis B, Acute	-	-	-	-	-	-	-	-
	Hepatitis B, Chronic	3	4	2	1	2	10	5	1
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	1	-	-	1	-	-
	Hepatitis C, Chronic	12	16	11	16	18	13	12	16
	Hepatitis C, Unknown*	-	1	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
Viral Hepatitis Subtotal	15	21	14	17	20	24	17	17	
Total	9,174	5,521	3,381	12,314	8,338	12,931	8,504	12,314	

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

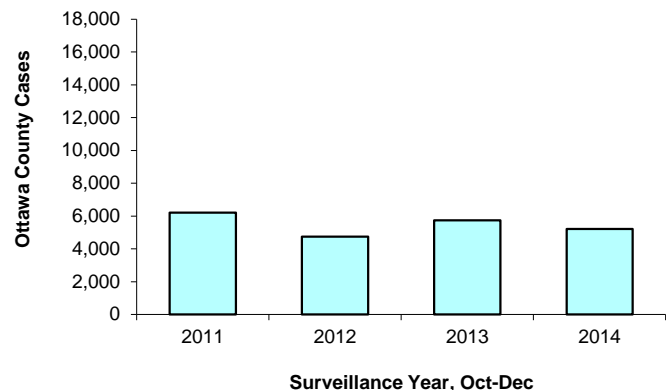
**Data for cases reported in last four quarters is based on week case was referred to the health department

***Data for cases reported in same quarter of last 4 years; Q4=October-December

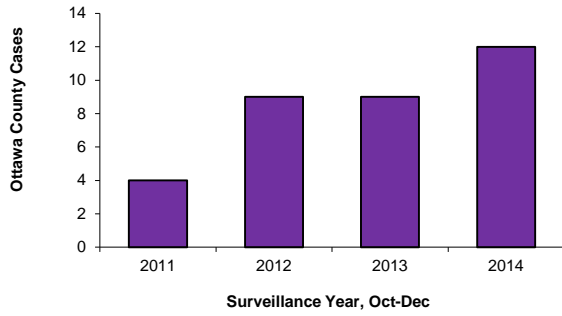
All Types of Foodborne Illness Cases in Ottawa County, Quarter 4 - Previous 4 Years



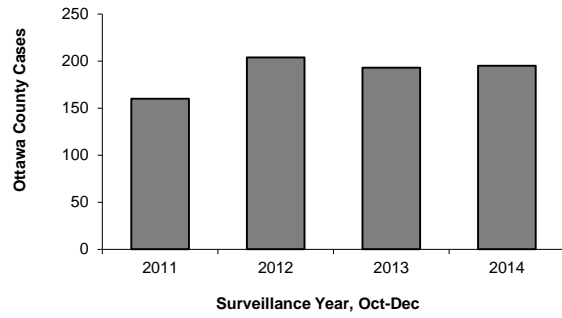
Flu-Like Disease Cases in Ottawa County Quarter 2 - Previous 4 Years



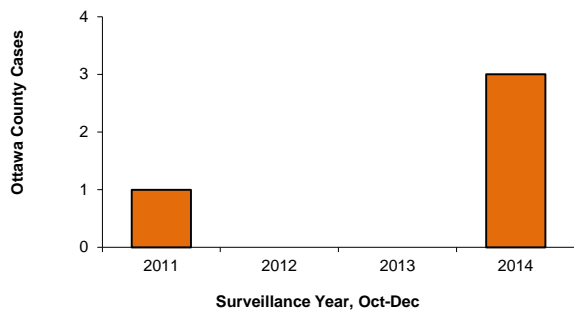
**All Types of Meningitis Cases in Ottawa County
Quarter 4 - Previous 4 Years**



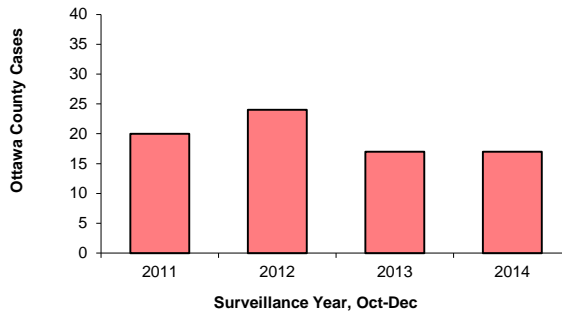
**All Types of Sexually Transmitted Disease Cases
in Ottawa County, Quarter 4 - Previous 4 Years**



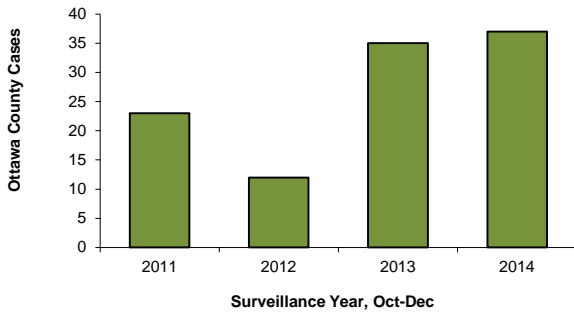
**All Types of Vectorborne Disease Cases in
Ottawa County, Quarter 4 - Previous 4 Years**



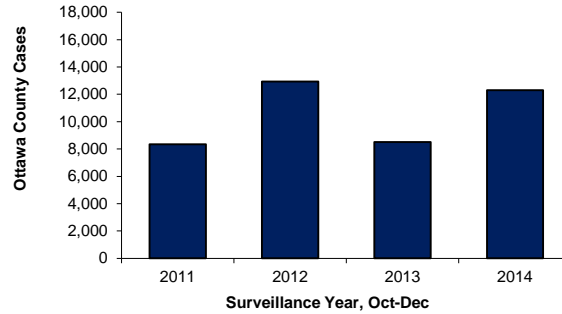
**All Types of Viral Hepatitis Cases in Ottawa
County, Quarter 4 - Previous 4 Years**



**All Types of Vaccine Preventable Disease Cases in
Ottawa County, Quarter 4 - Previous 4 Years**



**All Reportable Disease Cases in Ottawa County
Quarter 4 - Previous 4 Years**





*mi*Ottawa Department of
Public Health

**Annual Summary of
Reportable Diseases
Ottawa County
2014**

Prepared April 27, 2015

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www.miottawa.org/health

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Reportable Diseases Summary

2014

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Public Health

Annual Reportable Disease Summary

Data

The data in the annual disease report are provisional, based on current reports in the Michigan Disease Surveillance System (MDSS) made 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. Therefore, it should be kept in mind that numbers in the disease reports may change and should be used only to generally monitor trends over time. Suspected, probable or laboratory confirmed cases of the reportable condition are included in the report.

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Disease Group	Reportable Condition	Ottawa County Cases Reported**					Michigan Cases Reported				
		2010	2011	2012	2013	2014	2010	2011	2012	2013	2014
Foodborne	Amebiasis	7	-	1	-	3	29	17	17	35	23
	Botulism - Foodborne	-	-	-	-	-	2	-	2	-	-
	Campylobacter	56	63	68	67	44	1,302	1,256	1,212	1,283	1,192
	Cryptosporidiosis	11	9	13	7	10	316	359	352	266	241
	Escherichia coli O157:H7*	-	-	-	-	-	-	-	-	-	-
	Giardiasis	50	15	27	23	17	691	553	540	548	511
	Listeriosis	-	1	-	-	-	33	37	23	7	19
	Norovirus	2	16	12	2	20	126	218	214	327	341
	Salmonellosis	19	23	18	40	34	938	855	1,003	1,013	1,047
	Shiga toxin, E. Coli, Non O157*	-	-	-	-	-	-	-	-	-	-
	Shiga toxin, E. Coli, Unsp*	-	-	-	-	-	-	-	-	-	-
	Shiga toxin-producing Escherichia coli --(STEC)	3	6	8	10	3	157	190	301	213	149
	Shigellosis	1	7	2	10	3	263	193	249	175	308
	Typhoid Fever	-	-	-	-	-	6	6	9	5	8
Yersinia enteritis	-	-	1	-	2	16	26	17	24	24	
Foodborne Subtotal		149	140	150	159	136	3,879	3,710	3,939	3,905	3,863
Influenza	Flu Like Disease*	30,761	32,604	31,103	31,116	29,139	382,000	409,457	389,482	378,612	280,888
	Influenza	-	23	28	46	48	209	3,344	3,057	6,061	7,879
	Influenza, 2009 Novel*	2	-	-	-	-	516	-	-	-	-
	Influenza, Novel	-	-	-	-	-	1	-	12	24	1
Influenza Subtotal		30,763	32,627	31,131	31,162	29,187	382,726	412,801	392,551	384,697	288,768
Meningitis	Meningitis - Aseptic	19	18	11	19	24	910	909	906	958	679
	Meningitis - Bacterial Other	1	2	2	4	4	145	112	136	117	139
	Meningococcal Disease	1	1	-	-	-	22	12	15	5	14
	Streptococcus pneumoniae, Inv	18	13	12	13	15	697	677	556	616	519
	Meningitis Subtotal		39	34	25	36	43	1,774	1,710	1,613	1,696
Other	Anthrax	-	-	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	1	2	12	13	13	21	18
	Botulism - Infant	-	-	-	-	-	-	-	2	-	1
	Botulism - Other	-	-	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	4	1	1	-	2
	Cholera	-	-	-	-	-	-	1	-	1	-
	Coccidioidomycosis	-	-	3	1	3	24	37	35	18	32
	Creutzfeldt-Jakob Disease	-	1	-	-	-	17	17	14	16	7
	Cryptococcosis	-	-	-	-	-	50	48	41	35	26
	Cyclosporiasis	-	-	-	-	-	6	7	-	4	6
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	2	1	1	1
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	1	-	-	11	23	21	17	23
	Encephalitis, Primary	-	-	-	-	1	20	24	22	6	23
	Guillain-Barre Syndrome	-	2	3	1	-	59	77	66	49	54
	Hantavirus	-	-	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	1	1	1	-	13	9	6	7	6
	Hemorrhagic Fever	-	-	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	2	4	3	-	-
	Histoplasmosis	7	26	12	19	10	91	155	152	104	124
	Kawasaki	2	-	-	-	1	77	74	56	61	56
	Legionellosis	2	2	2	1	4	197	196	186	284	236
	Leprosy	-	-	-	-	-	-	-	1	1	-
	Melioidosis	-	-	-	-	-	-	-	-	-	-
	Leptospirosis	-	-	-	-	-	-	1	-	1	1
	Plague	-	-	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	1	-	-	-	-
	Q Fever*	-	1	1	-	-	4	7	3	1	1
	Q Fever Acute	-	1	1	-	-	4	7	3	1	1
	Q Fever Chronic	-	-	-	-	-	3	1	-	-	1
	Rabies Human	-	-	-	-	-	-	-	-	-	-
	Reye Syndrome	-	-	-	-	-	-	-	-	-	-
Rheumatic Fever	-	-	-	1	-	6	1	2	1	2	
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	
Streptococcus pneumoniae, Drug Resistant	-	2	7	3	1	52	55	119	119	83	

Disease Group	Reportable Condition	Ottawa County Cases Reported**					Michigan Cases Reported				
		2010	2011	2012	2013	2014	2010	2011	2012	2013	2014
Other	Streptococcal Dis, Inv, Grp A	3	8	10	9	9	180	294	228	245	300
	Streptococcal Toxic Shock	1	-	1	2	-	2	6	9	10	4
	Toxic Shock	-	-	1	-	-	10	5	6	8	4
	Trachoma	-	-	-	-	-	3	1	-	2	4
	Trichinosis	-	-	-	-	-	-	1	1	-	-
	Tularemia	-	-	-	-	-	-	-	-	-	2
	Vibriosis - Non Cholera	-	-	-	1	2	9	10	7	11	8
	VISA	-	-	1	-	-	4	5	10	14	3
	VRSA	-	-	-	-	-	-	-	-	-	-
Other Subtotal	15	44	45	40	33	861	1,082	1,008	1,038	1,029	
STD	Chancroid	-	-	-	-	-	-	1	2	1	-
	Chlamydia (Genital)	495	574	759	732	710	47,876	49,104	47,739	45,354	45,389
	Gonorrhea	79	66	74	95	82	13,147	12,815	12,601	10,837	9,753
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	1	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	2	4	18	8	17
	Syphilis - Early Latent	1	-	-	-	-	128	131	156	209	250
	Syphilis - Late Latent	-	-	-	-	3	152	170	125	155	415
	Syphilis - Late with Manifestations	1	-	-	-	-	14	23	14	9	22
	Syphilis - Latent of Unknown Duration	3	1	-	-	-	245	147	199	217	91
	Syphilis - Primary	-	1	-	-	1	59	91	69	151	163
	Syphilis - Secondary	3	3	-	-	4	195	193	233	350	272
STD Subtotal	582	645	833	827	800	61,819	62,679	61,156	57,291	56,372	
Tuberculosis	Tuberculosis	6	4	1	3	3	178	173	148	145	122
	Mycobacterium - Other	2	14	12	16	23	251	881	889	743	610
	Tuberculosis Subtotal	8	18	13	19	26	429	1,054	1,037	888	732
VPD	Chickenpox (Varicella)	44	23	23	36	28	1,439	1,031	971	715	712
	Diphtheria	-	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	3	2	2	3	36	78	84	102	101
	Measles	-	-	-	-	-	-	2	1	5	5
	Mumps	-	-	-	-	-	48	20	24	16	40
	Pertussis	46	38	55	58	41	1,577	670	858	1,017	1,386
	Polio	-	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-	-
	Shingles	1	3	5	3	10	193	205	309	399	483
	Tetanus	-	-	-	-	-	2	4	2	1	-
	VZ Infection, Unspecified	1	1	-	3	2	120	106	115	101	151
VPD Subtotal	92	68	85	102	84	3,415	2,116	2,364	2,356	2,878	
Vectorborne	Babesiosis	-	-	-	-	-	-	-	-	2	2
	Dengue Fever	-	-	-	-	-	9	6	9	16	6
	Ehrlichiosis*	-	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	2	-	-	-	-	-
	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	2	4	2	1	3
	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	1	1	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	2	1	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	3	-	-	-	1
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	2	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-	-
	Lyme Disease	3	4	4	3	4	98	105	98	169	124
	Malaria	-	2	-	-	1	34	35	26	23	17
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	2	4	3	3	1
	Rickettsial Disease - Typhus	-	-	-	-	-	1	-	-	-	-
	West Nile Virus	1	-	1	1	-	29	35	205	36	1
	Yellow Fever	-	-	-	-	-	-	-	-	-	-
Vectorborne Subtotal	4	6	5	4	7	182	190	344	249	153	

Disease Group	Reportable Condition	Ottawa County Cases Reported**					Michigan Cases Reported				
		2010	2011	2012	2013	2014	2010	2011	2012	2013	2014
Viral Hepatitis	Hepatitis A	3	1	3	-	-	82	64	110	91	56
	Hepatitis B, Acute	1	-	1	-	-	132	96	78	58	49
	Hepatitis B, Chronic	27	16	24	14	10	1,558	1,319	1,347	1,123	1,125
	Hepatitis B, Perinatal	-	-	-	1	-	-	1	2	1	2
	Hepatitis C, Acute	1	1	1	-	1	57	35	79	74	80
	Hepatitis C, Chronic	60	66	61	51	57	7,188	7,996	7,938	6,685	8,155
	Hepatitis C, Unknown*	-	-	-	-	-	11	9	2	-	-
	Hepatitis D	-	-	-	-	-	4	3	1	2	1
	Hepatitis E	-	-	-	-	-	8	15	7	3	2
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	92	84	90	66	68	9,040	9,538	9,564	8,037	9,470
Total		31,744	33,666	32,377	32,415	30,384	464,125	494,880	473,576	460,157	364,616

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

**Data for cases reported is based on date of symptom onset, if available, or date of referral to the public health department.



*mi*Ottawa Department of
Public Health

Annual Reportable Disease Summary

Graphs

The data in the annual disease report are provisional, based on current reports in the Michigan Disease Surveillance System (MDSS) made 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. Therefore, it should be kept in mind that numbers in the disease reports may change and should be used only to generally monitor trends over time. Suspected, probable or laboratory confirmed cases of the reportable condition are included in the report.

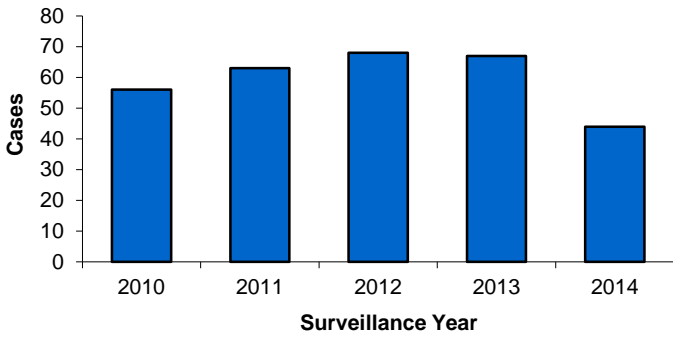
Specific data requests and questions should be directed towards:

Marcia Mansaray, M.Sc.
Epidemiologist
MMansaray@miOttawa.org
(616)494-5598

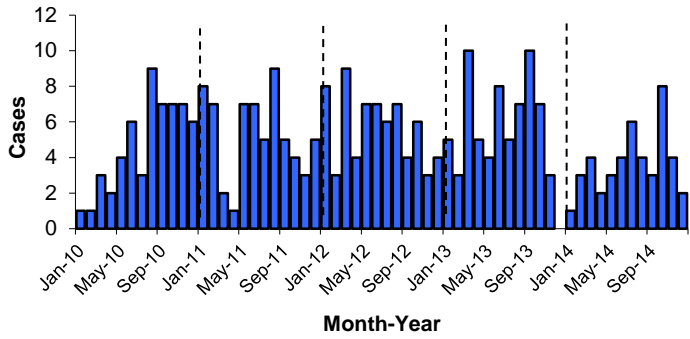
12251 James Street • Holland, MI 49424-9661 • (616) 396-5266 • Fax (616) 393-5643
www.miottawa.org/health

Foodborne Illness:

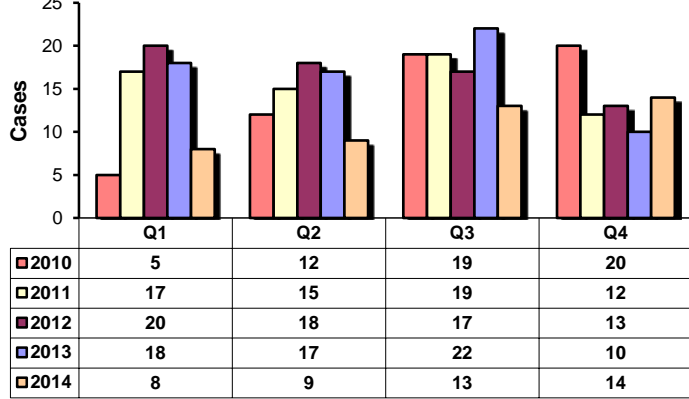
Campylobacter Cases in Ottawa County Previous 5 Years



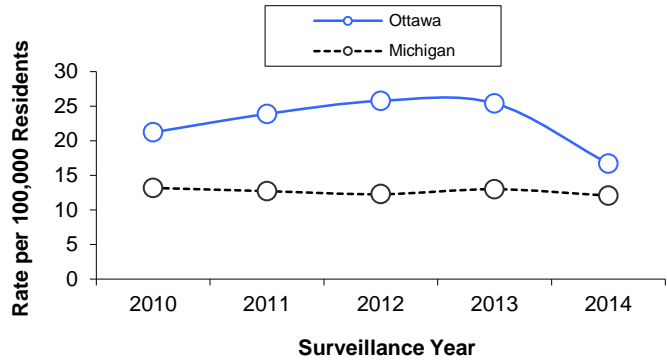
Campylobacter Cases in Ottawa County by Month, Previous 5 Years



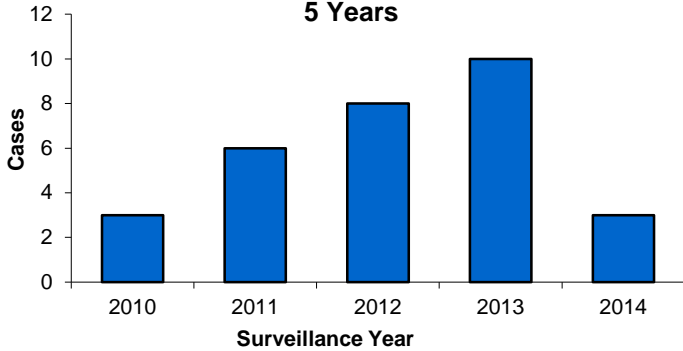
Campylobacter Cases in Ottawa County by Quarter, Previous 5 Years



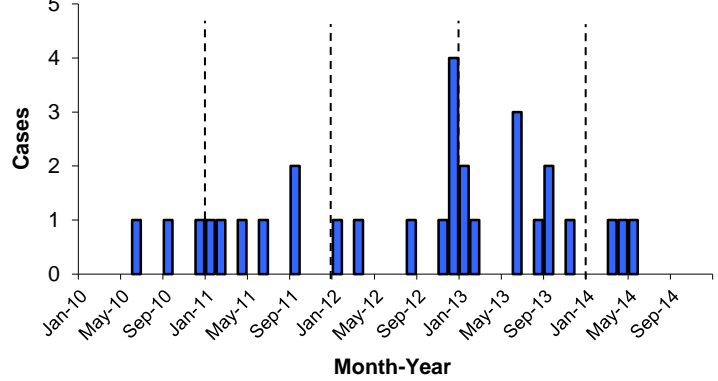
Campylobacter Cases per 100,000



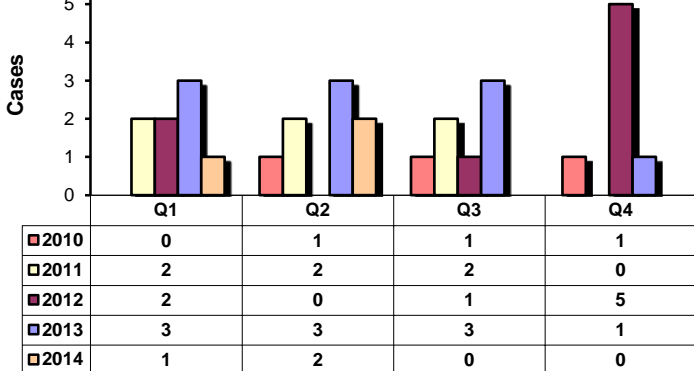
Shiga toxin-producing *Escherichia coli* (STEC) Cases in Ottawa County, Previous 5 Years



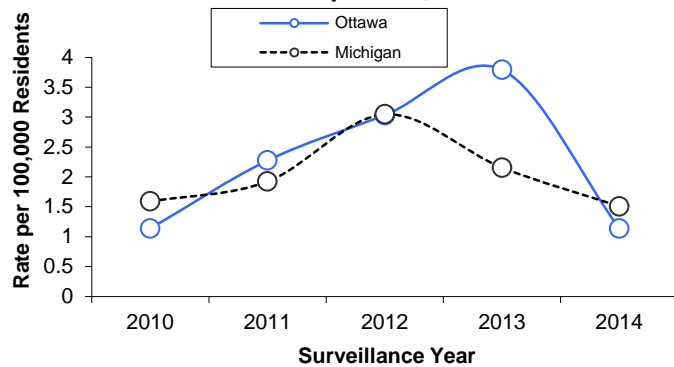
Shiga toxin-producing *Escherichia coli* (STEC) Cases in Ottawa County by Month, Previous 5 Years



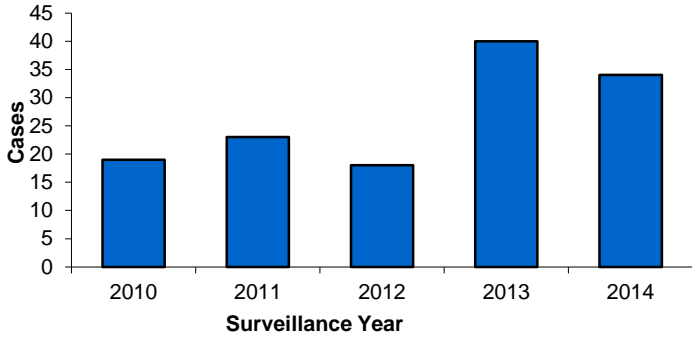
Shiga toxin-producing *Escherichia coli* (STEC) Cases in Ottawa County by Quarter, Previous 5 Years



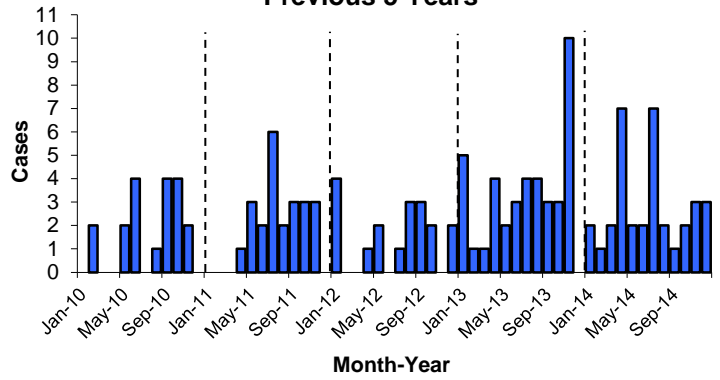
Shiga toxin-producing *Escherichia coli* (STEC) Cases per 100,000



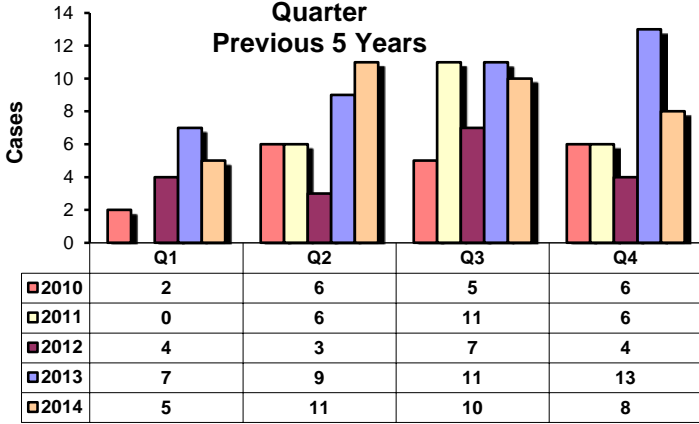
Salmonella Cases in Ottawa County Previous 5 Years



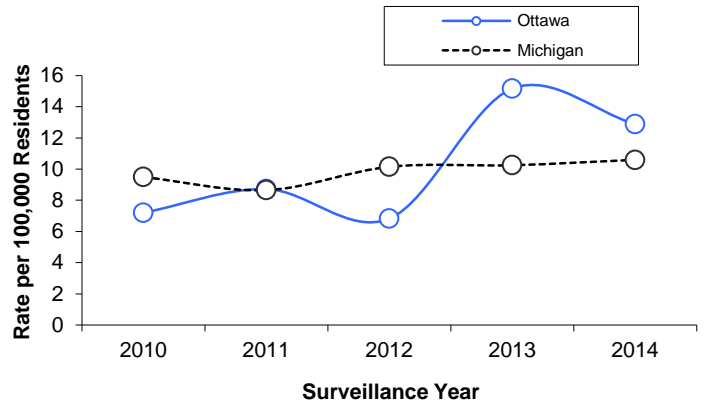
Salmonella Cases in Ottawa County by Month Previous 5 Years



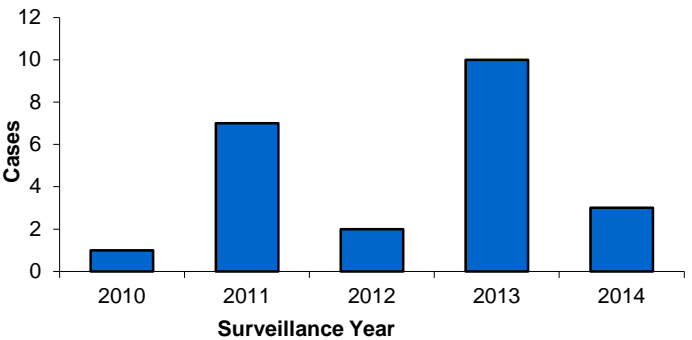
Salmonella Cases in Ottawa County by Quarter Previous 5 Years



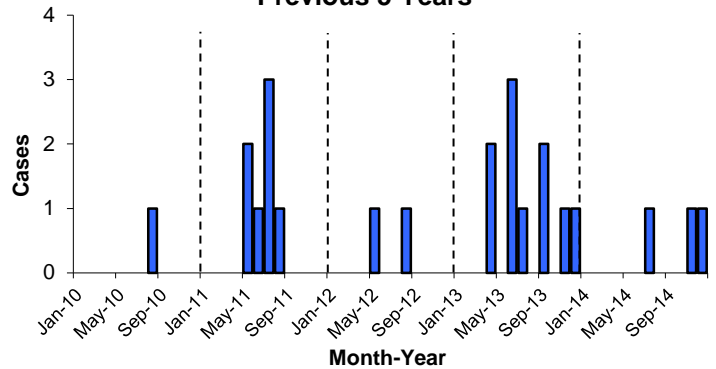
Salmonella Cases per 100,000



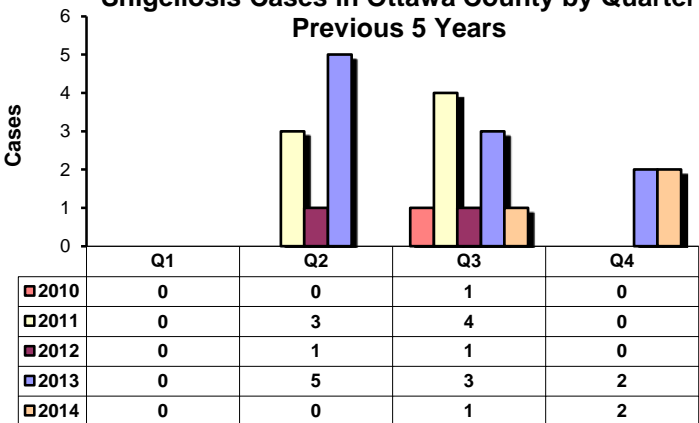
Shigellosis Cases in Ottawa County Previous 5 Years



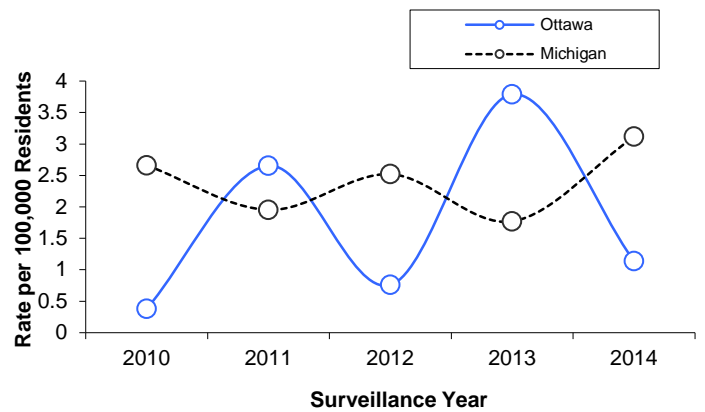
Shigellosis Cases in Ottawa County by Month Previous 5 Years



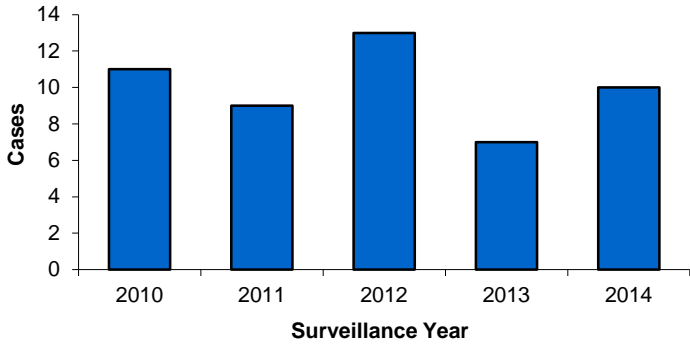
Shigellosis Cases in Ottawa County by Quarter Previous 5 Years



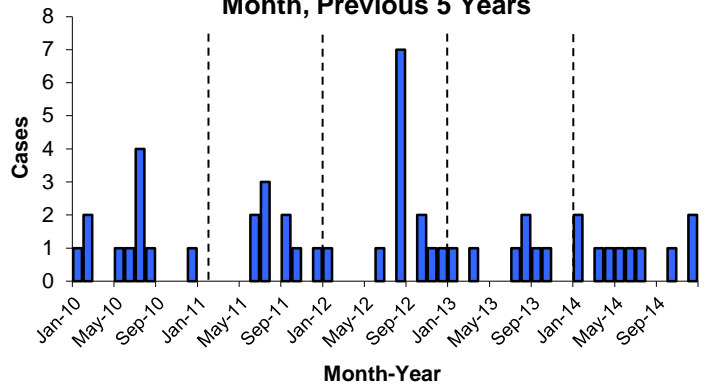
Shigellosis Cases per 100,000



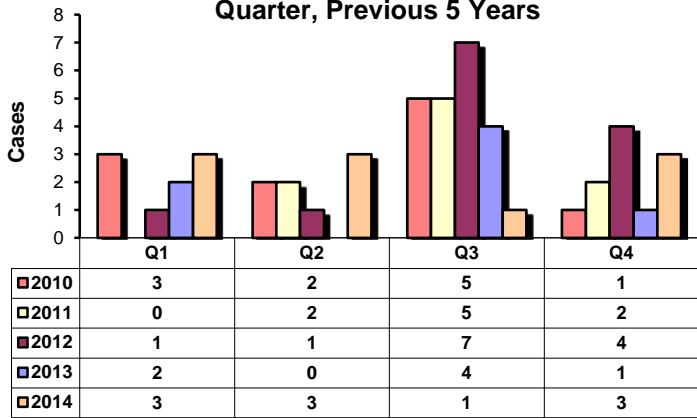
Cryptosporidiosis Cases in Ottawa County Previous 5 Years



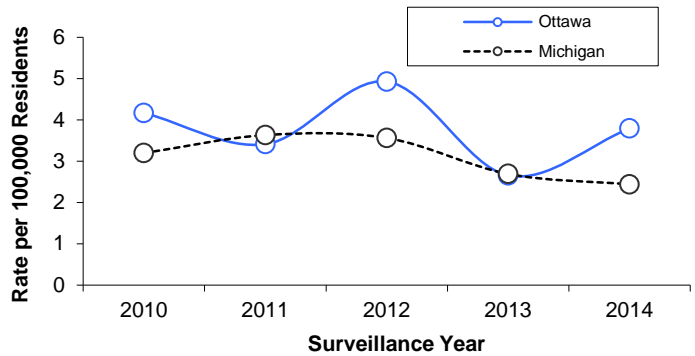
Cryptosporidiosis Cases in Ottawa County by Month, Previous 5 Years



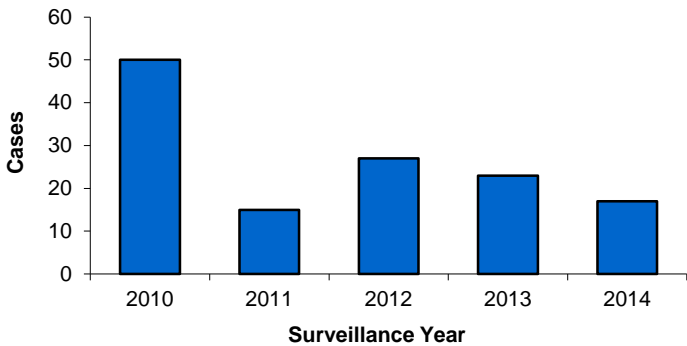
Cryptosporidiosis Cases in Ottawa County by Quarter, Previous 5 Years



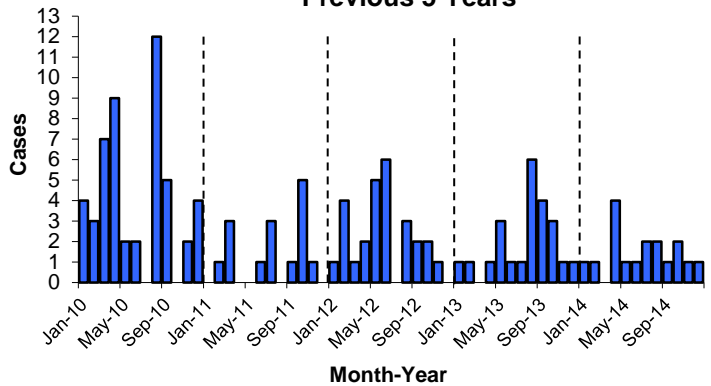
Cryptosporidiosis Cases per 100,000



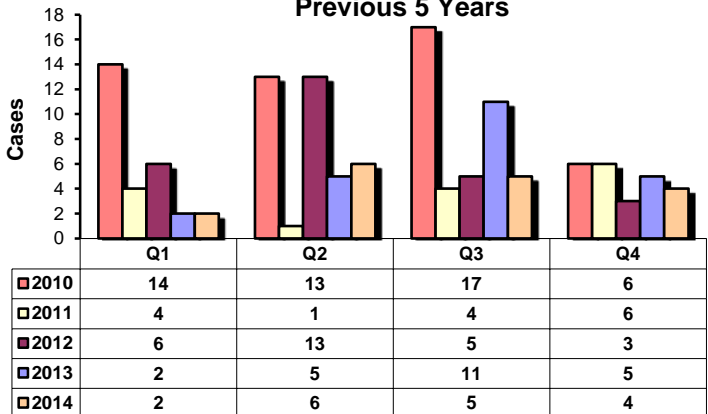
Giardia Cases in Ottawa County Previous 5 Years



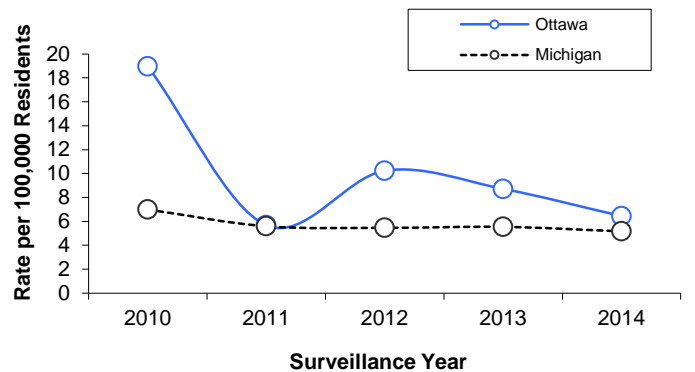
Giardia Cases in Ottawa County by Month Previous 5 Years



Giardia Cases in Ottawa County by Quarter Previous 5 Years

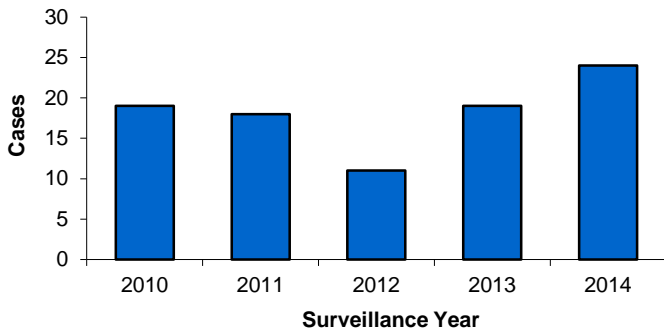


Giardia Cases per 100,000

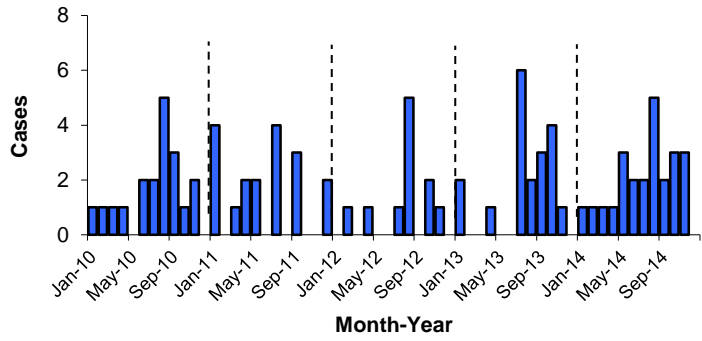


Meningitis:

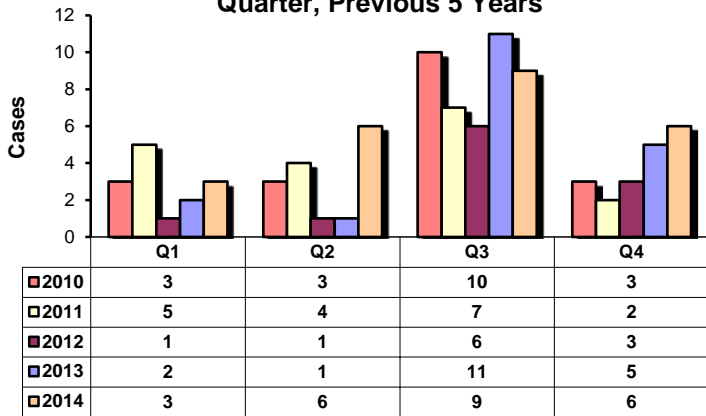
Aseptic Meningitis Cases in Ottawa County Previous 5 Years



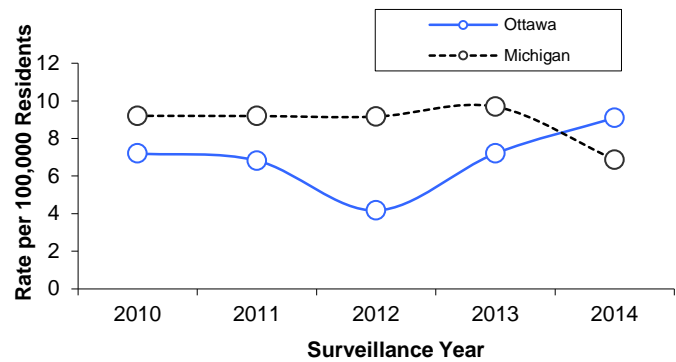
Aseptic Meningitis Cases in Ottawa County by Month, Previous 5 Years



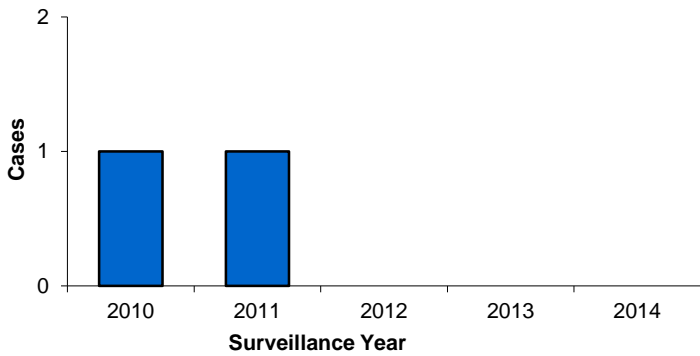
Aseptic Meningitis Cases in Ottawa County by Quarter, Previous 5 Years



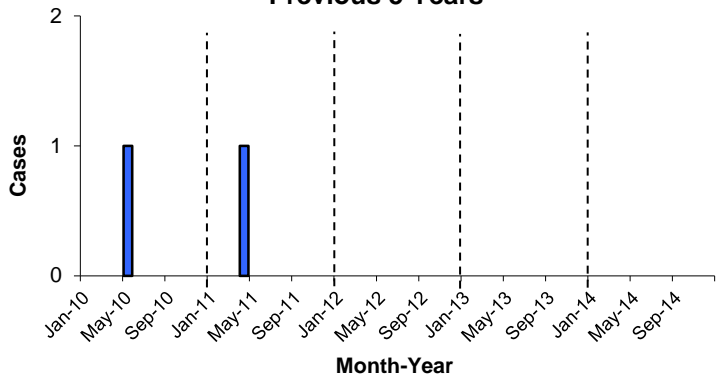
Aseptic Meningitis Cases per 100,000



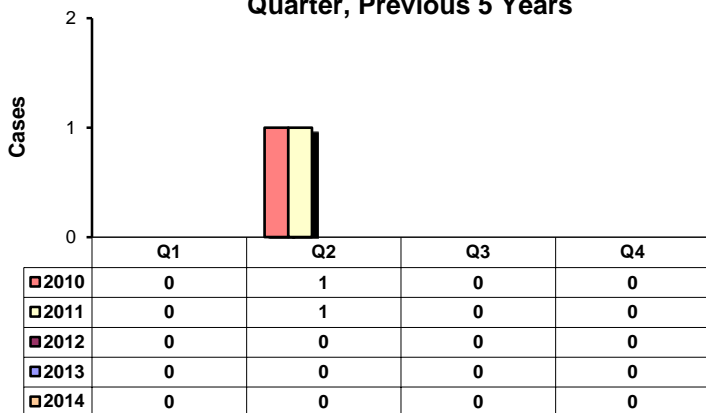
Meningococcal Cases in Ottawa County Previous 5 Years



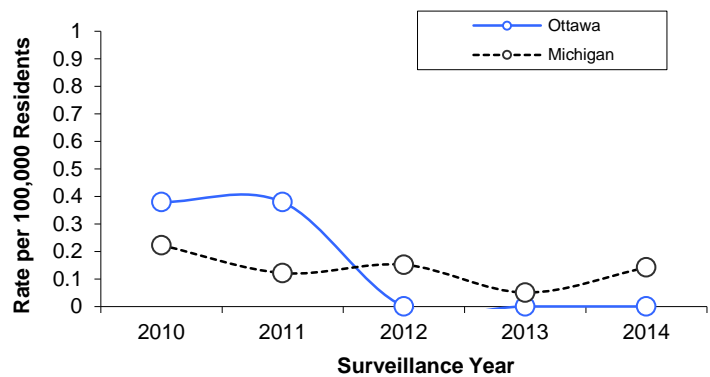
Meningococcal Cases in Ottawa County by Month Previous 5 Years



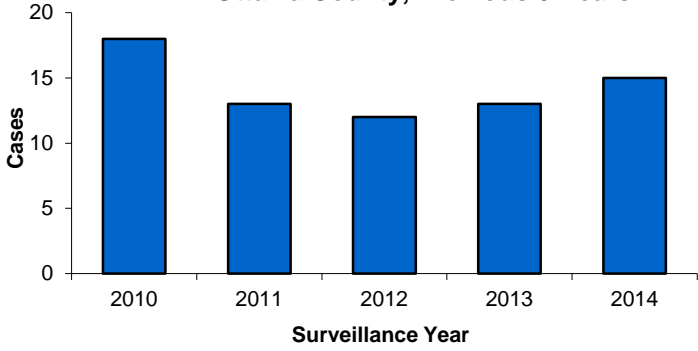
Meningococcal Cases in Ottawa County by Quarter, Previous 5 Years



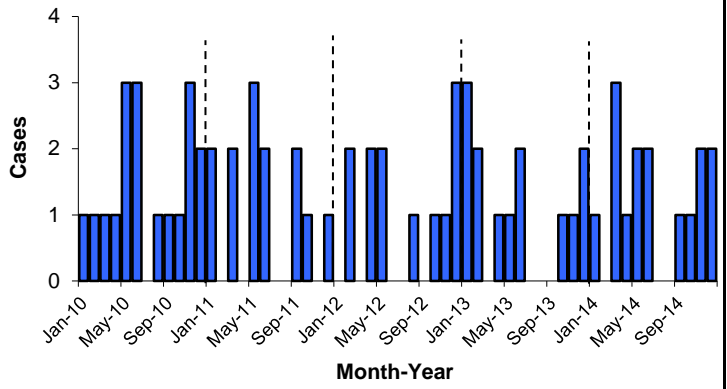
Meningococcal Cases per 100,000



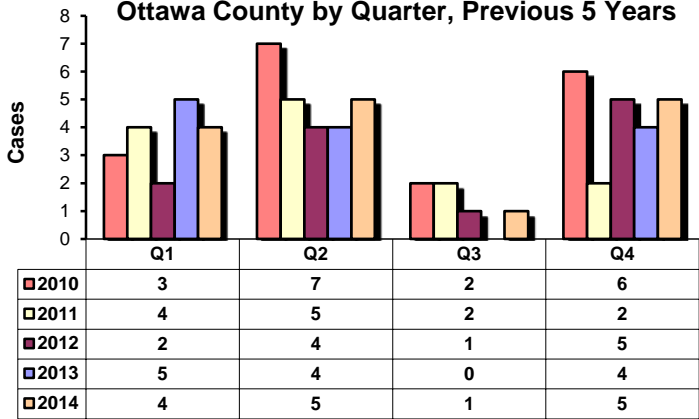
Invasive *Streptococcus pneumoniae* Cases in Ottawa County, Previous 5 Years



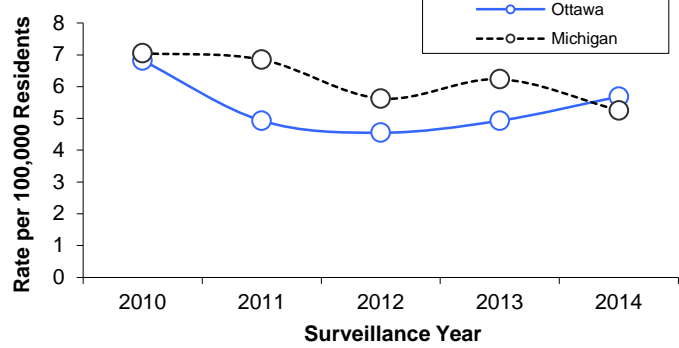
Invasive *Streptococcus pneumoniae* Cases in Ottawa County by Month, Previous 5 Years



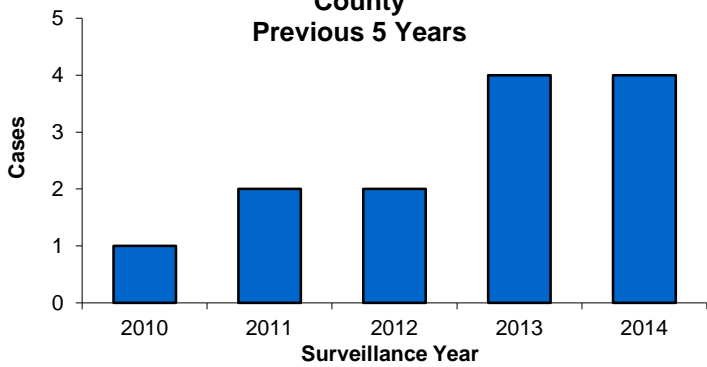
Invasive *Streptococcus pneumoniae* Cases in Ottawa County by Quarter, Previous 5 Years



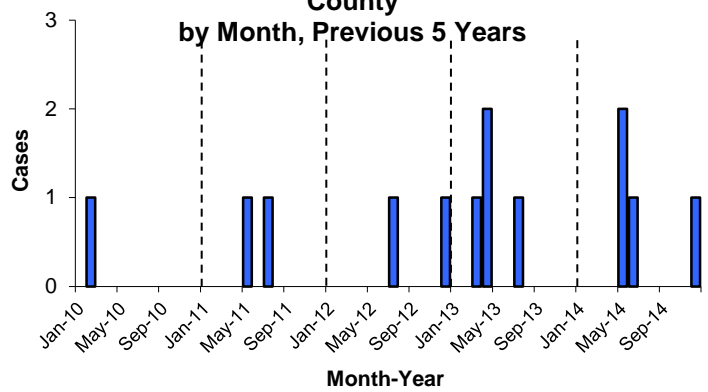
Invasive *Streptococcus pneumoniae* Cases per 100,000



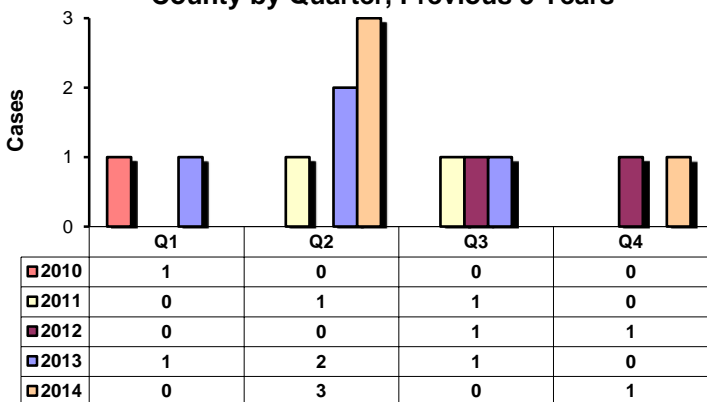
Meningitis Bacterial, Other Cases in Ottawa County Previous 5 Years



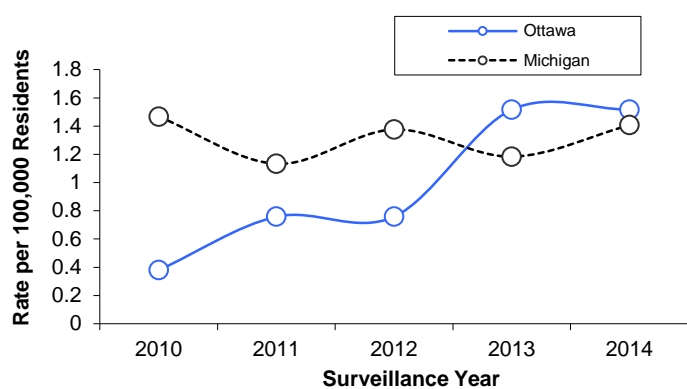
Meningitis Bacterial, Other Cases in Ottawa County by Month, Previous 5 Years



Meningitis Bacterial, Other Cases in Ottawa County by Quarter, Previous 5 Years

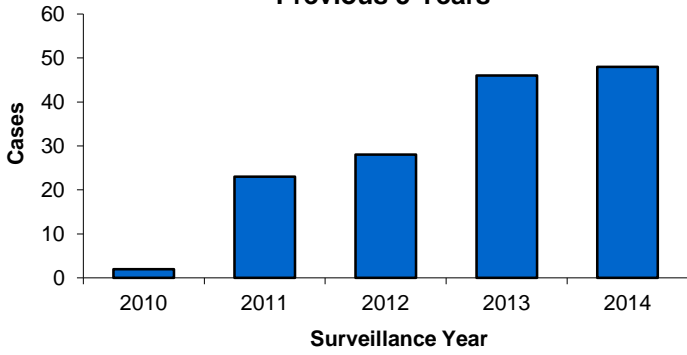


Meningitis Bacterial, Other Cases per 100,000

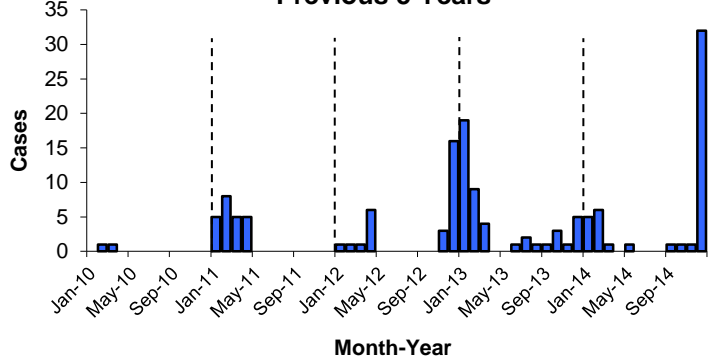


Influenza:

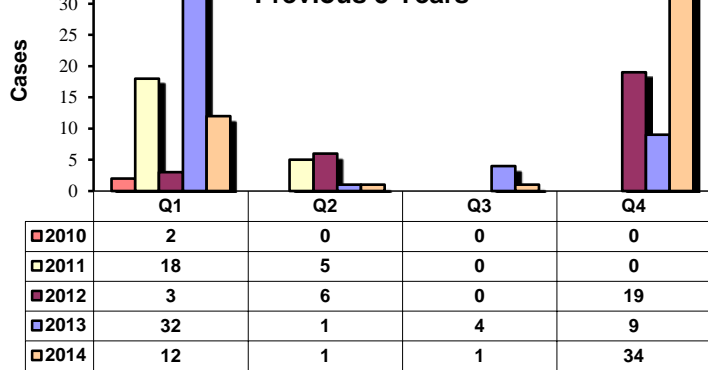
Influenza Cases* in Ottawa County Previous 5 Years



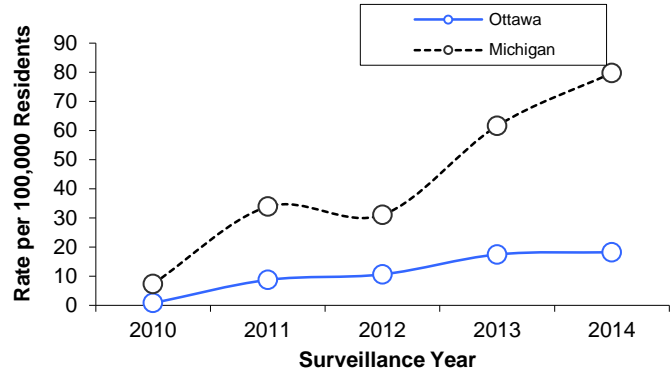
Influenza Cases* in Ottawa County by Month Previous 5 Years



Influenza Cases* in Ottawa County by Quarter Previous 5 Years

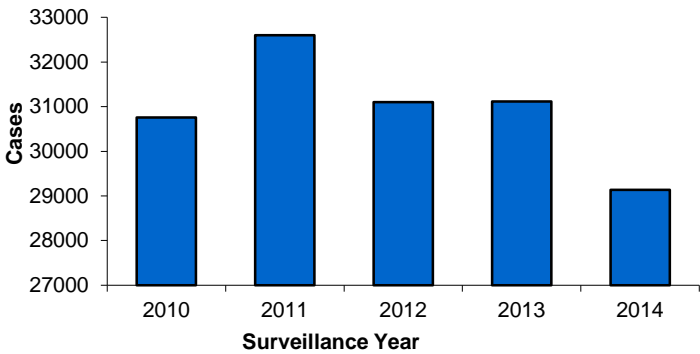


Influenza Cases* per 100,000

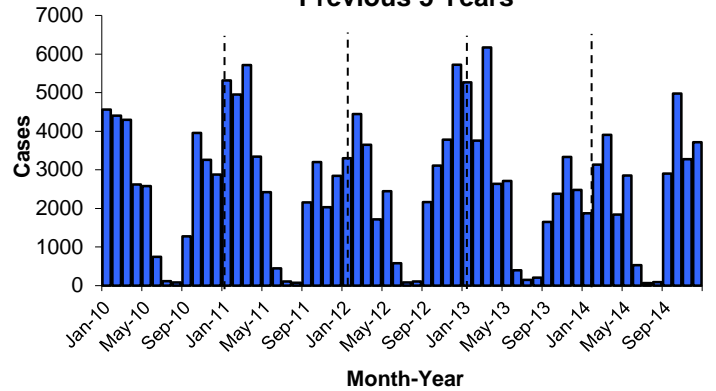


*Includes reported cases of seasonal influenza, novel influenza, and 2009 pandemic H1N1 influenza A

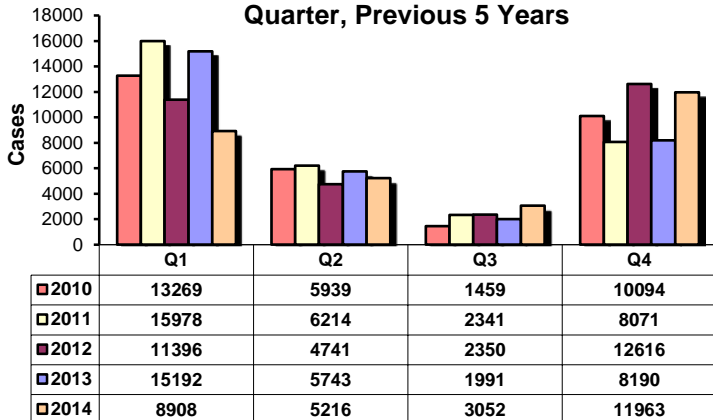
Flu-like Disease Cases in Ottawa County Previous 5 Years



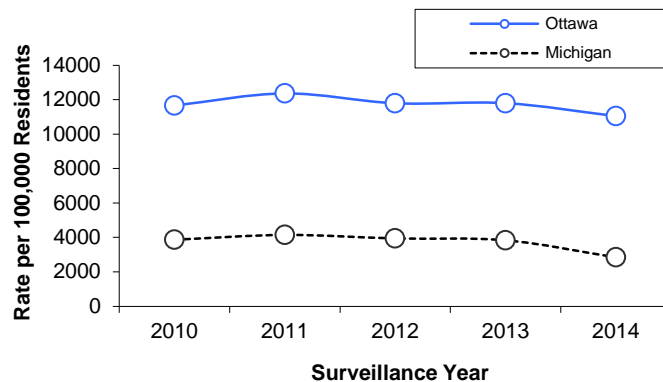
Flu-like Disease Cases in Ottawa County by Month Previous 5 Years



Flu-like Disease Cases in Ottawa County by Quarter, Previous 5 Years

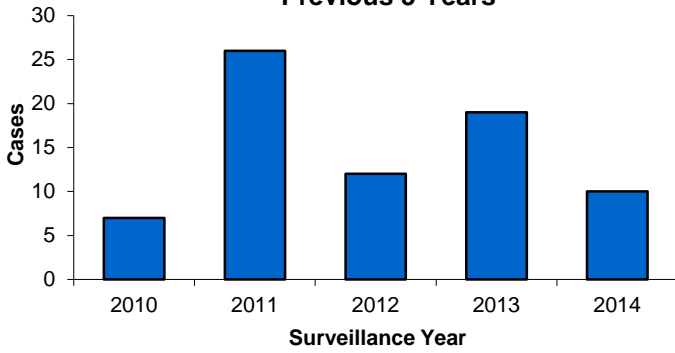


Flu-like Disease Cases per 100,000

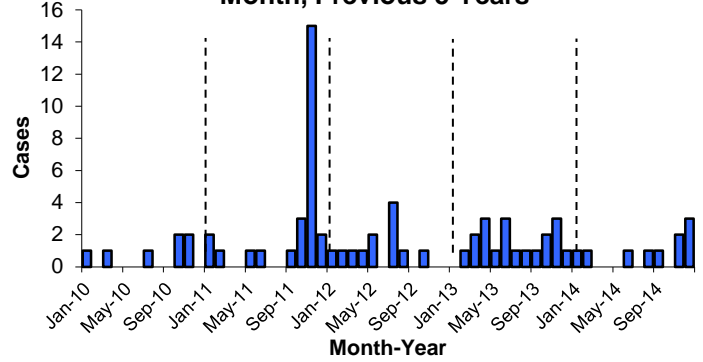


Other Illnesses:

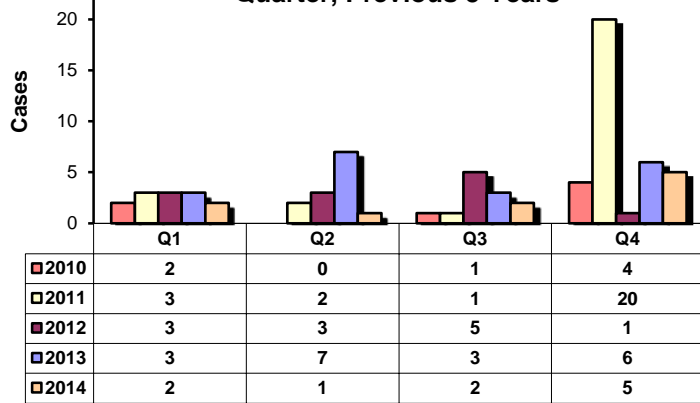
Histoplasmosis Cases in Ottawa County Previous 5 Years



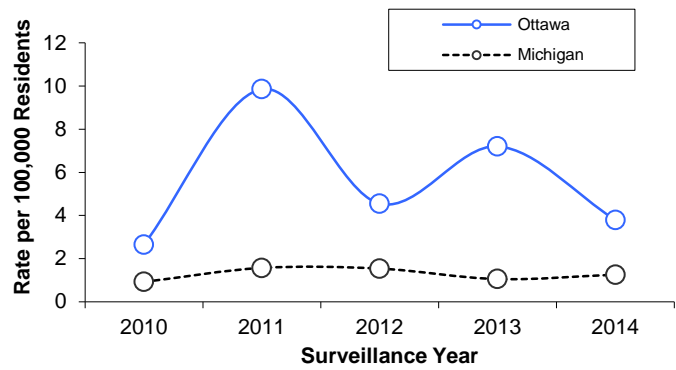
Histoplasmosis Cases in Ottawa County by Month, Previous 5 Years



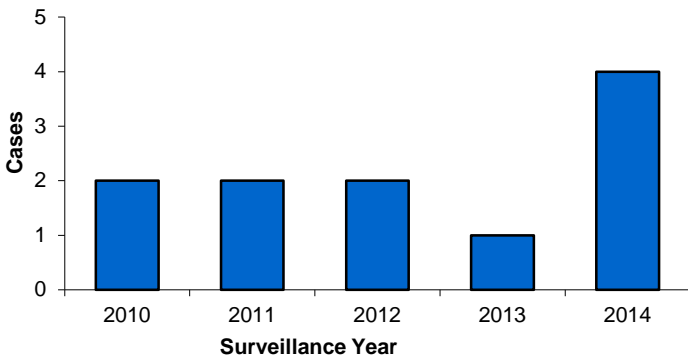
Histoplasmosis Cases in Ottawa County by Quarter, Previous 5 Years



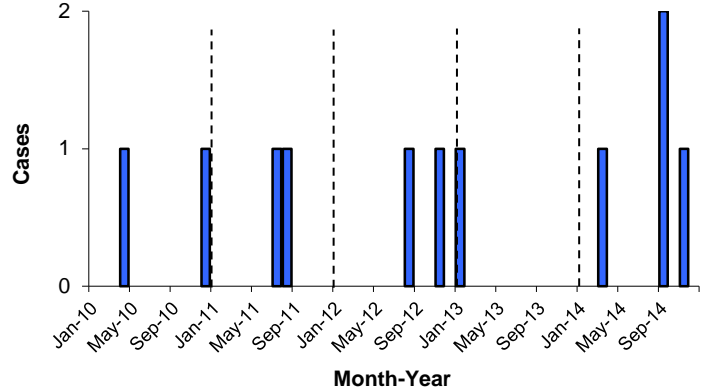
Histoplasmosis Cases per 100,000



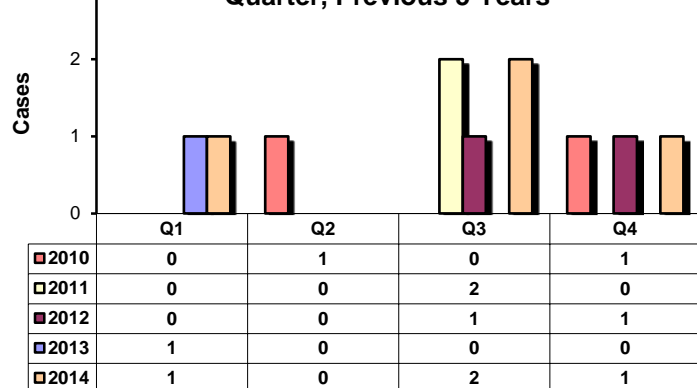
Legionellosis Cases in Ottawa County Previous 5 Years



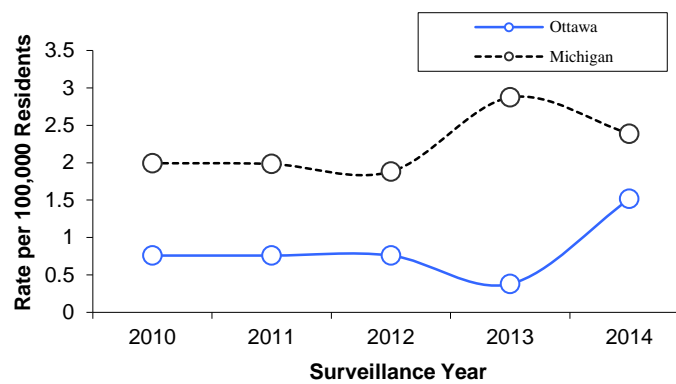
Legionellosis Cases in Ottawa County by Month Previous 5 Years



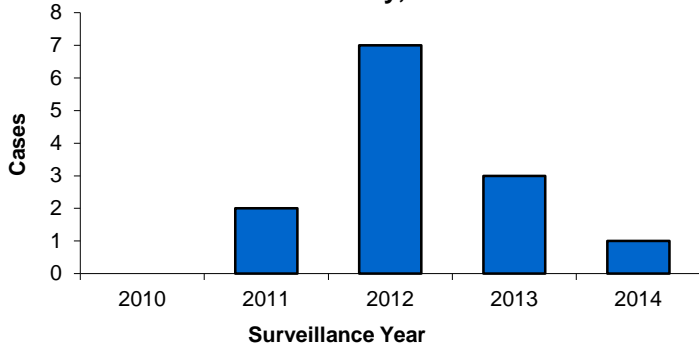
Legionellosis Cases in Ottawa County by Quarter, Previous 5 Years



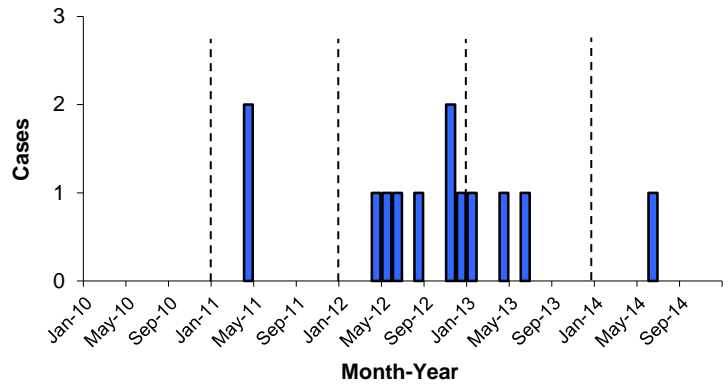
Legionellosis Cases per 100,000



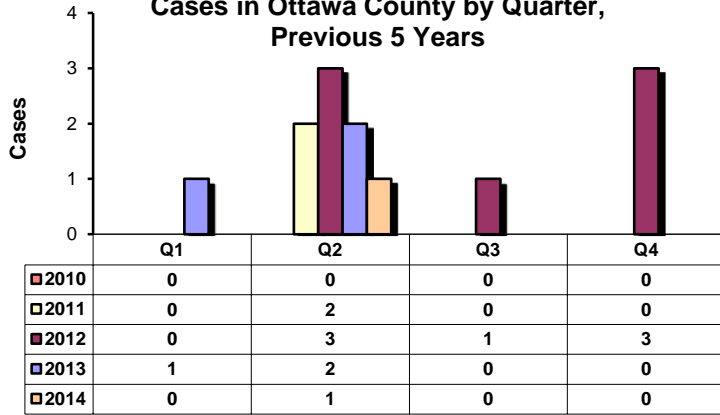
Drug Resistant *Streptococcus pneumoniae* cases in Ottawa County, Previous 5 Years



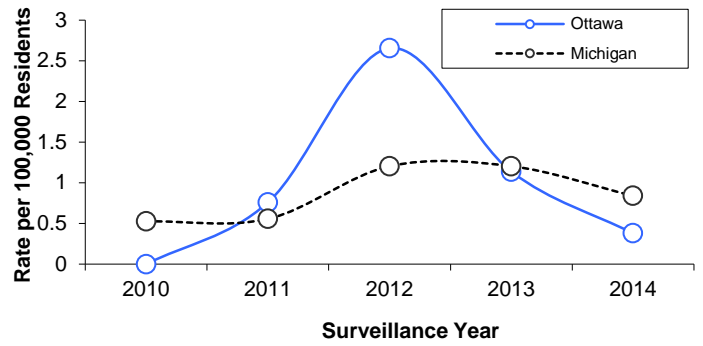
Drug Resistant *Streptococcus pneumoniae* Cases in Ottawa County by Month, Previous 5 Years



Drug Resistant *Streptococcus pneumoniae* Cases in Ottawa County by Quarter, Previous 5 Years

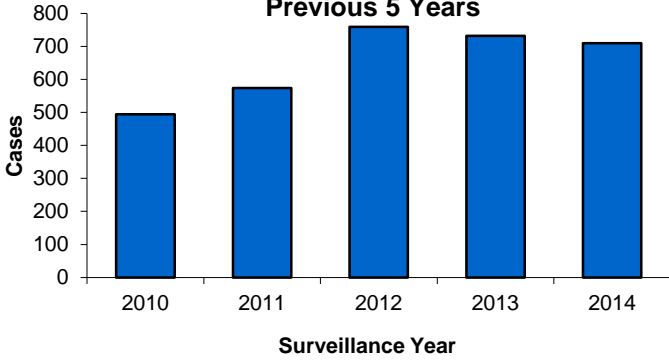


Drug Resistant *Streptococcus pneumoniae* Cases per 100,000

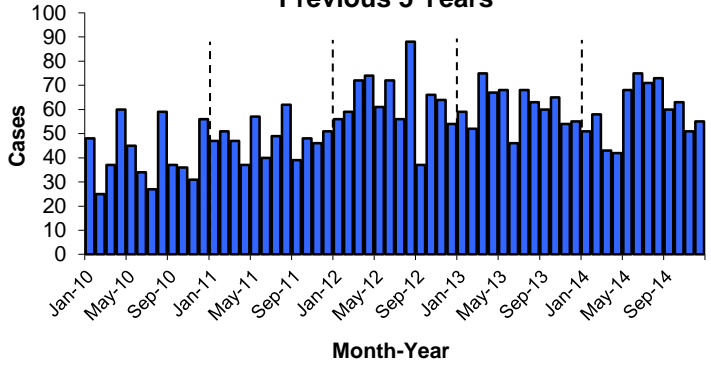


Sexually Transmitted Diseases:

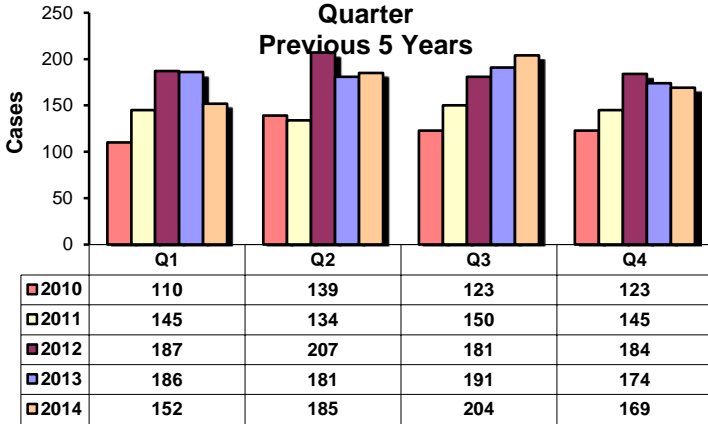
Chlamydia Cases in Ottawa County Previous 5 Years



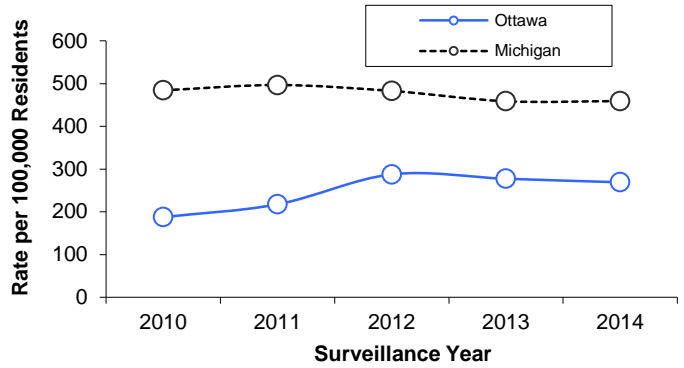
Chlamydia Cases in Ottawa County by Month Previous 5 Years



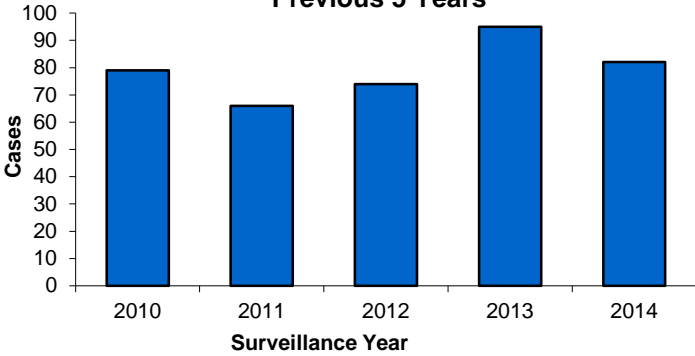
Chlamydia Cases in Ottawa County by Quarter Previous 5 Years



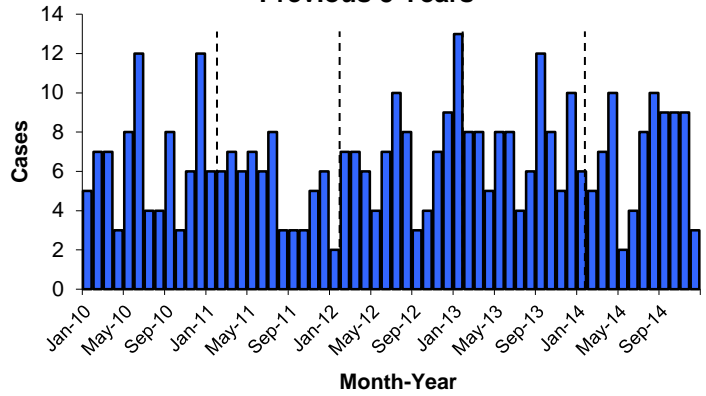
Chlamydia Cases per 100,000



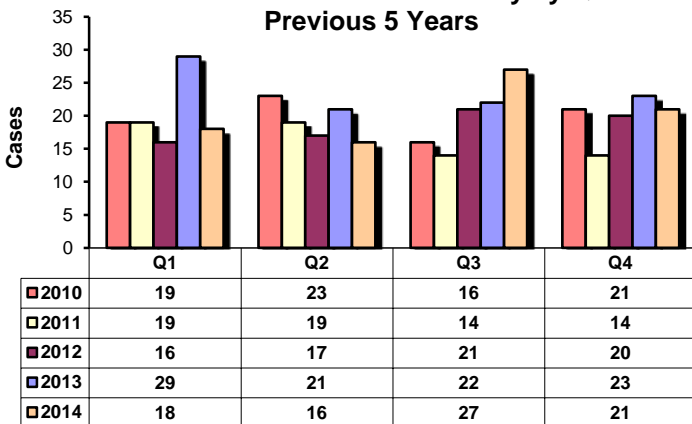
Gonorrhea Cases in Ottawa County Previous 5 Years



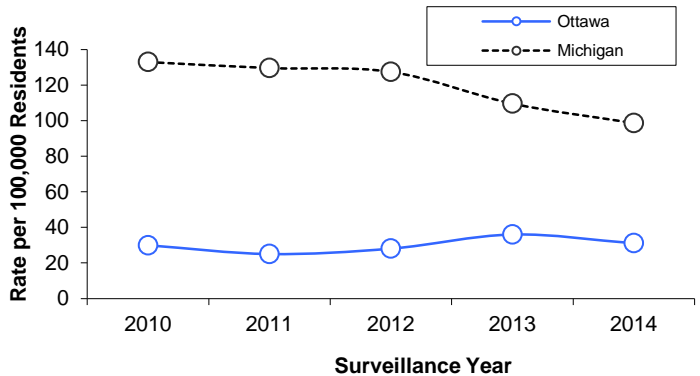
Gonorrhea Cases in Ottawa County by Month Previous 5 Years



Gonorrhea Cases in Ottawa County by Quarter Previous 5 Years

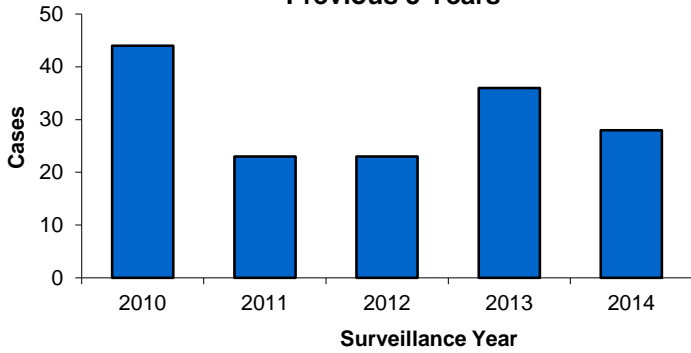


Gonorrhea Cases per 100,000

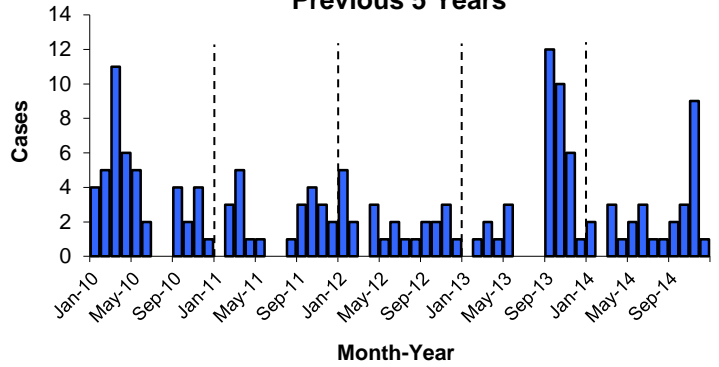


Vaccine Preventable Diseases:

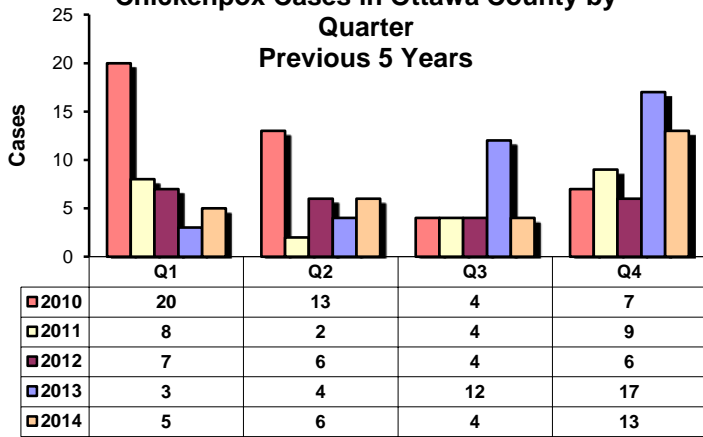
Chickenpox Cases in Ottawa County Previous 5 Years



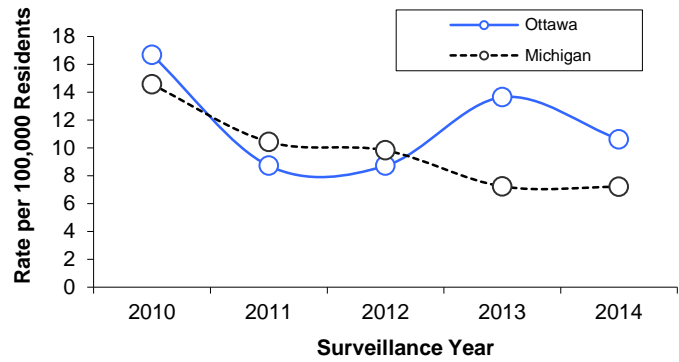
Chickenpox Cases in Ottawa County by Month Previous 5 Years



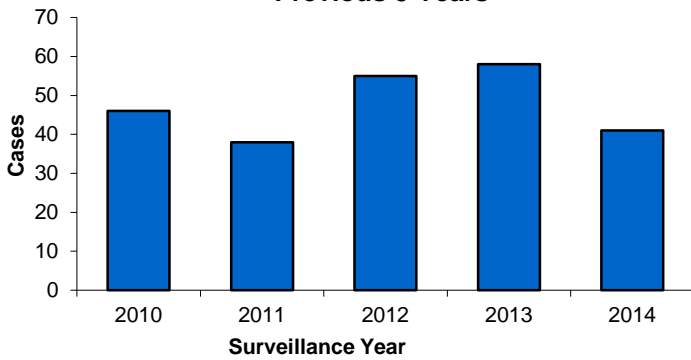
Chickenpox Cases in Ottawa County by Quarter Previous 5 Years



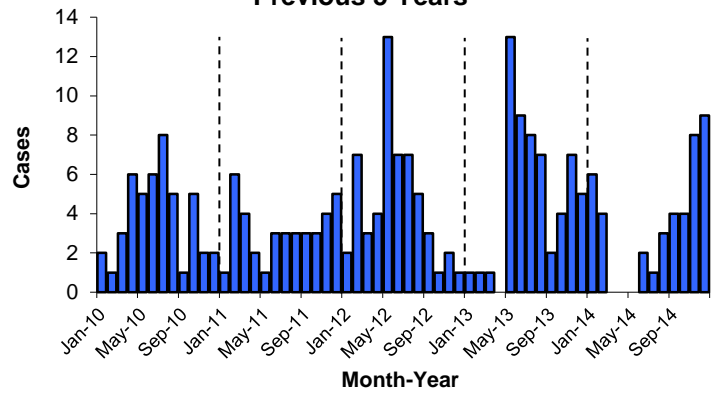
Chickenpox Cases per 100,000



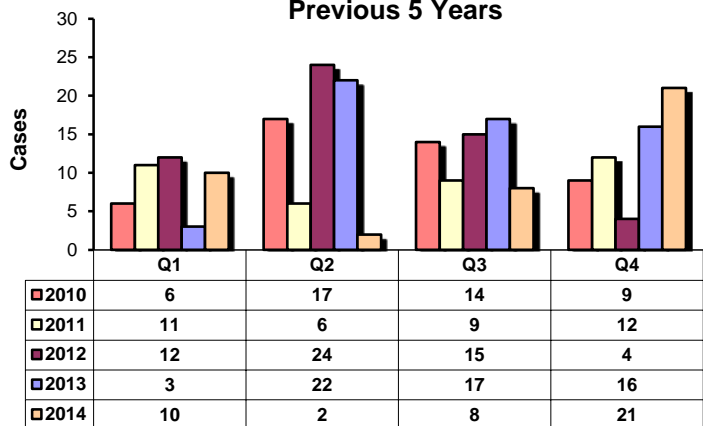
Pertussis Cases in Ottawa County Previous 5 Years



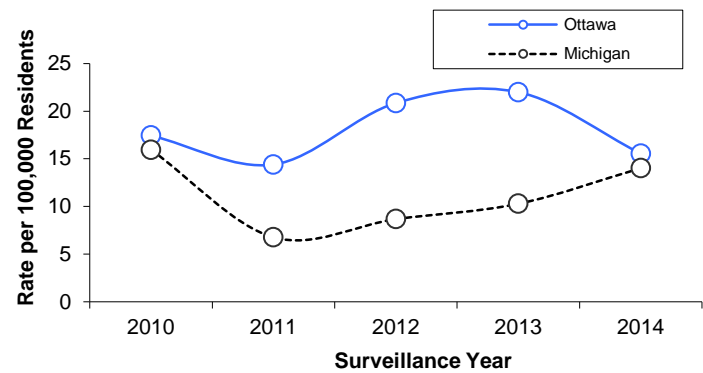
Pertussis Cases in Ottawa County by Month Previous 5 Years



Pertussis Cases in Ottawa County by Quarter Previous 5 Years

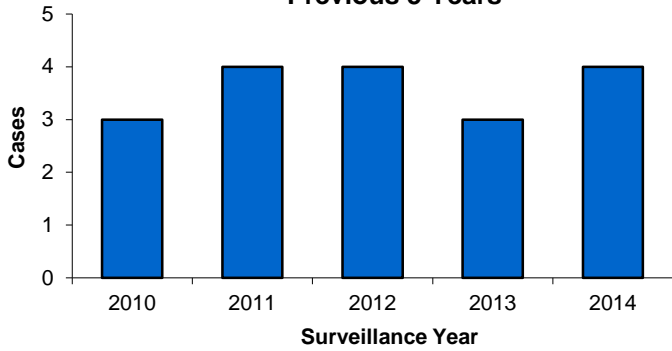


Pertussis Cases per 100,000

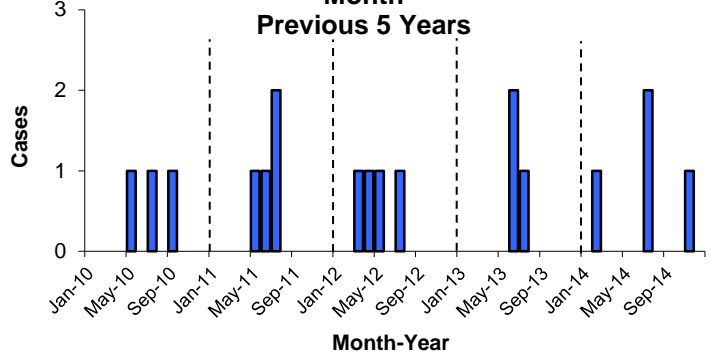


Vectorborne Diseases:

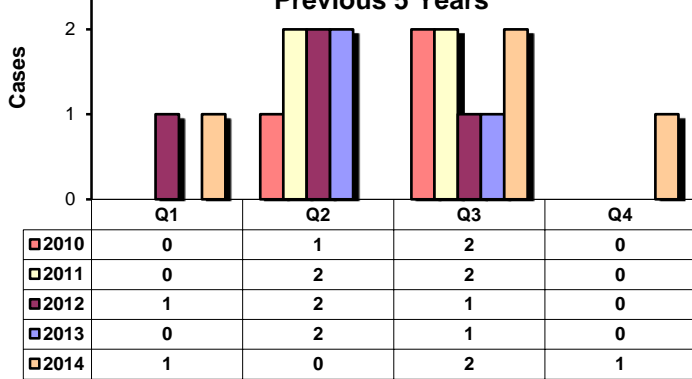
Lyme Disease Cases in Ottawa County Previous 5 Years



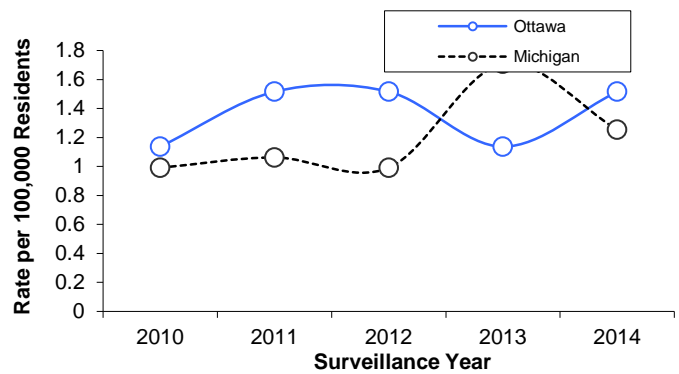
Lyme Disease Cases in Ottawa County by Month Previous 5 Years



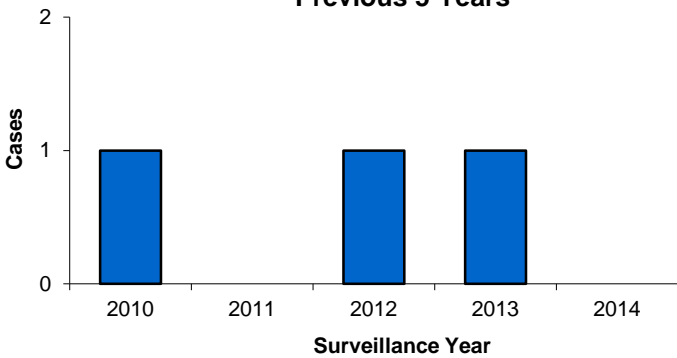
Lyme Disease Cases in Ottawa County by Quarter Previous 5 Years



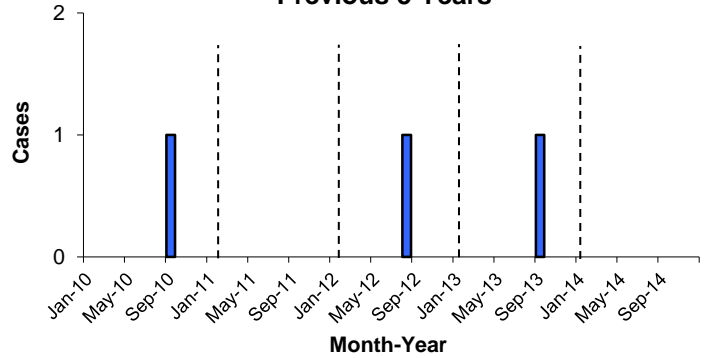
Lyme Disease Cases per 100,000



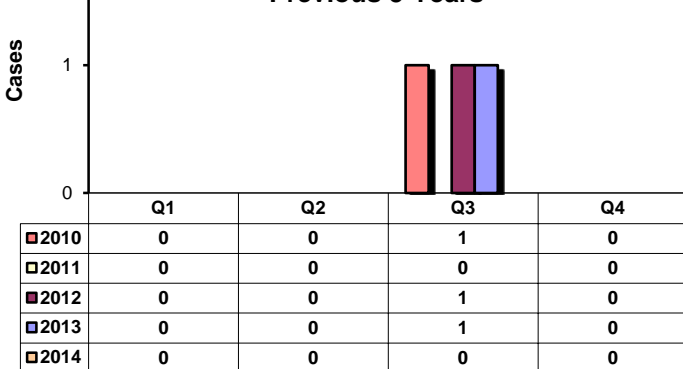
West Nile Virus Cases in Ottawa County Previous 5 Years



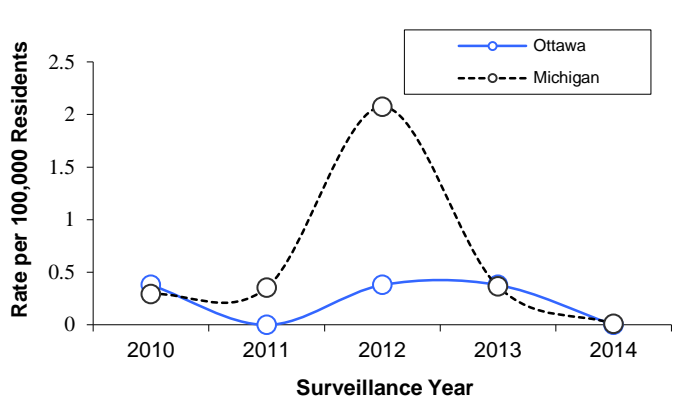
West Nile Virus Cases in Ottawa County by Month Previous 5 Years



West Nile Virus Cases in Ottawa County by Quarter Previous 5 Years

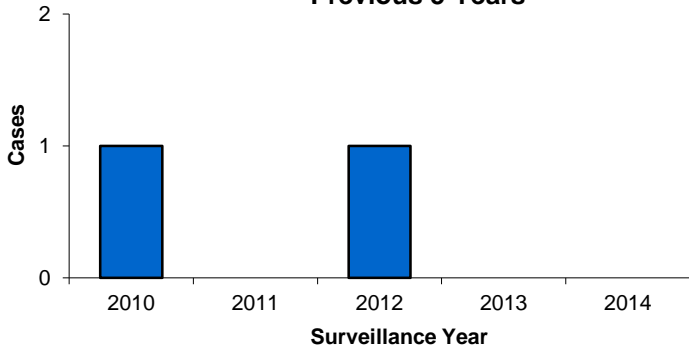


West Nile Virus Cases per 100,000

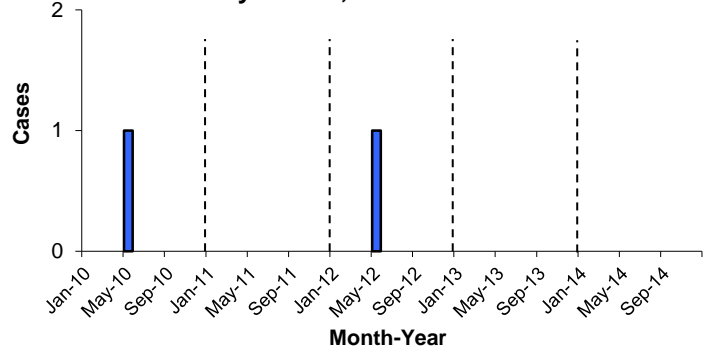


Viral Hepatitis:

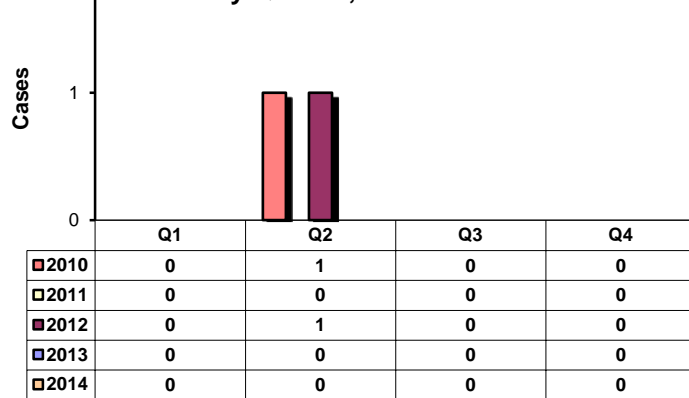
Hepatitis B Acute Cases in Ottawa County Previous 5 Years



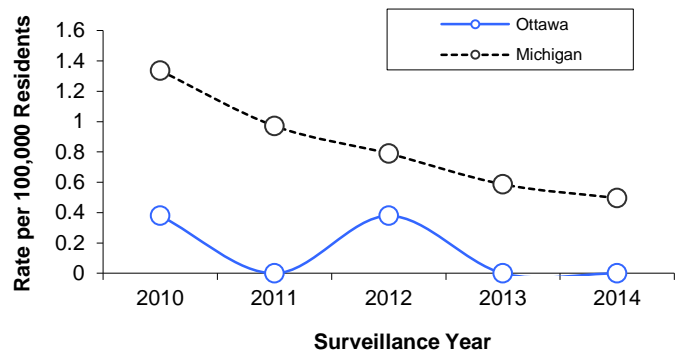
Acute Hepatitis B Cases in Ottawa County by Month, Previous 5 Years



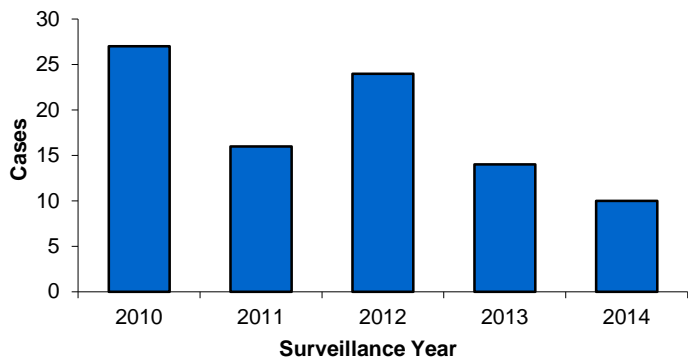
Acute Hepatitis B Cases in Ottawa County by Quarter, Previous 5 Years



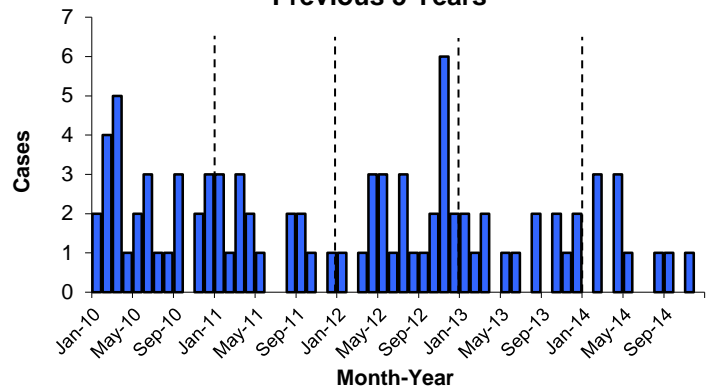
Acute Hepatitis B Cases per 100,000



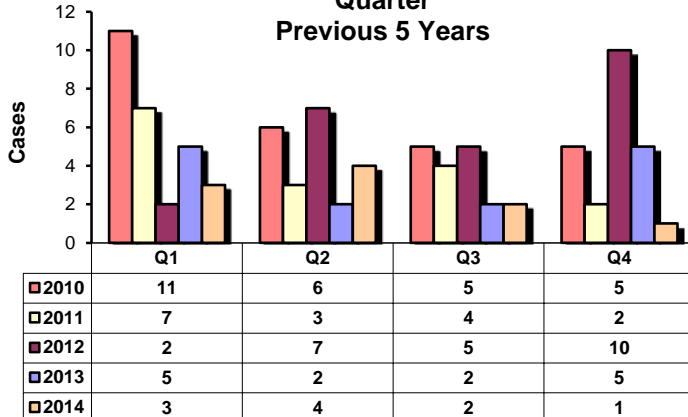
Chronic Hepatitis B Cases in Ottawa County Previous 5 Years



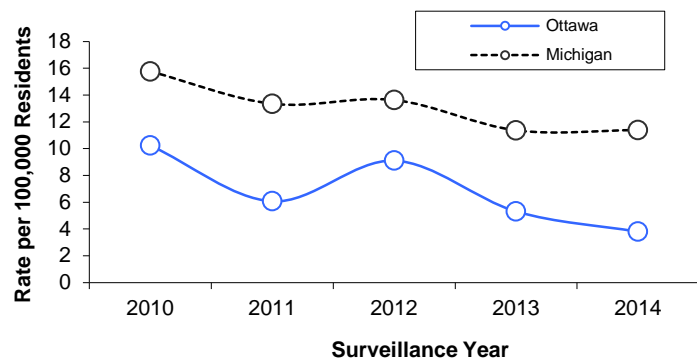
Chronic Hepatitis B Cases in Ottawa County by Month Previous 5 Years



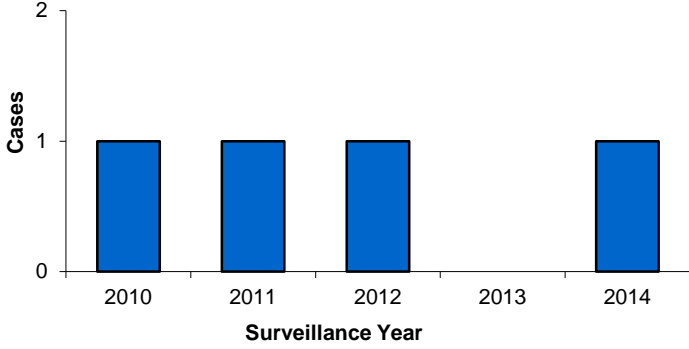
Chronic Hepatitis B Cases in Ottawa County by Quarter Previous 5 Years



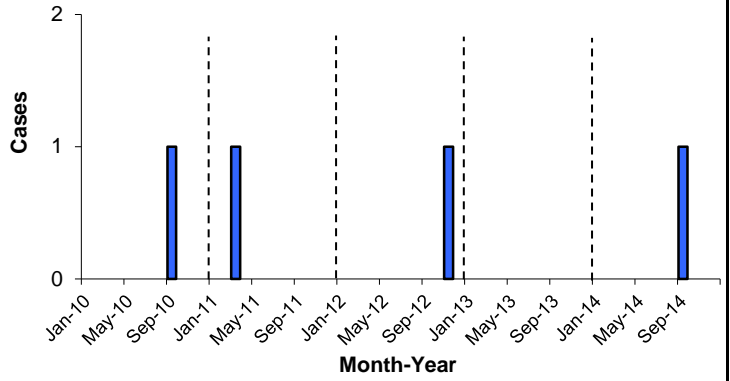
Chronic Hepatitis B Cases per 100,000



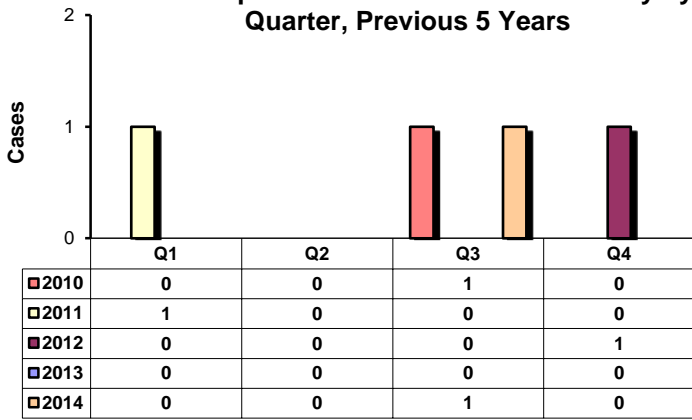
Acute Hepatitis C Cases in Ottawa County Previous 5 Years



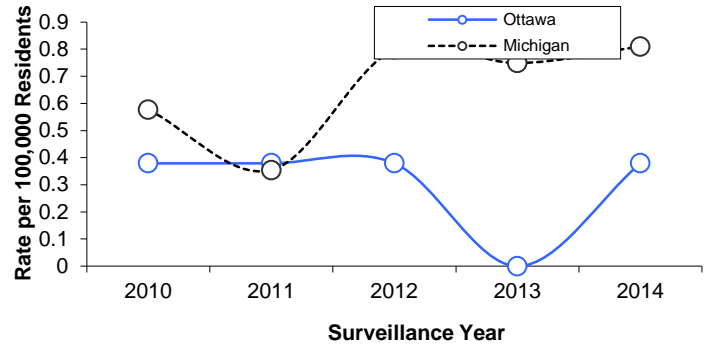
Acute Hepatitis C Cases in Ottawa County by Month Previous 5 Years



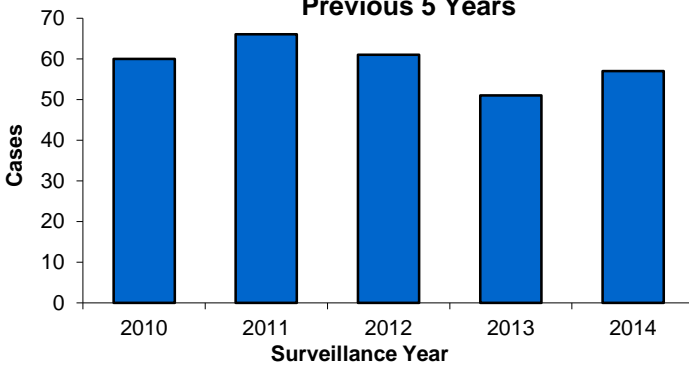
Acute Hepatitis C Cases in Ottawa County by Quarter, Previous 5 Years



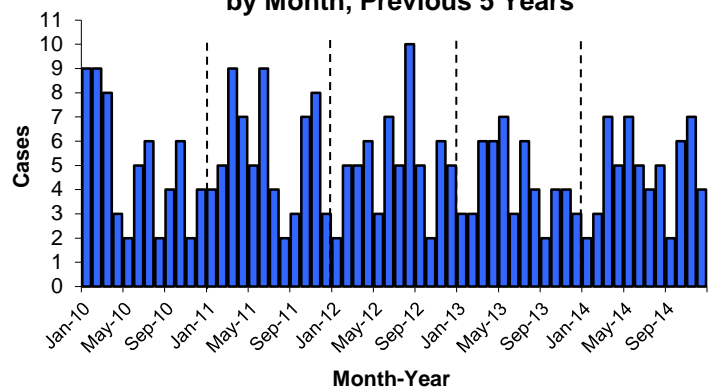
Acute Hepatitis C Cases per 100,000



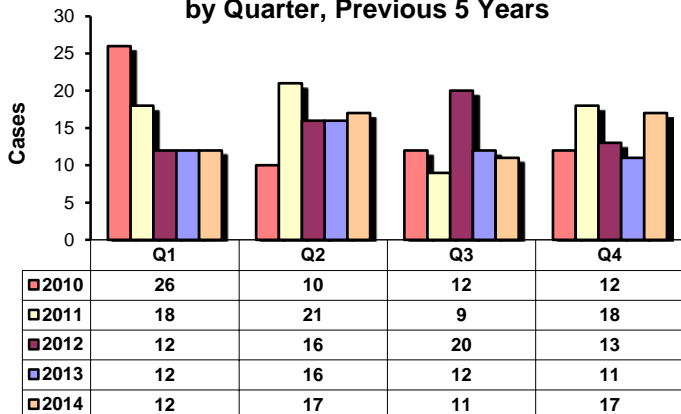
Chronic Hepatitis C Cases in Ottawa County Previous 5 Years



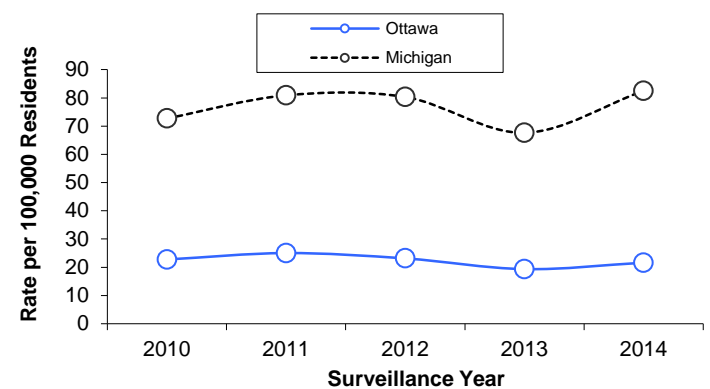
Chronic Hepatitis C Cases in Ottawa County by Month, Previous 5 Years



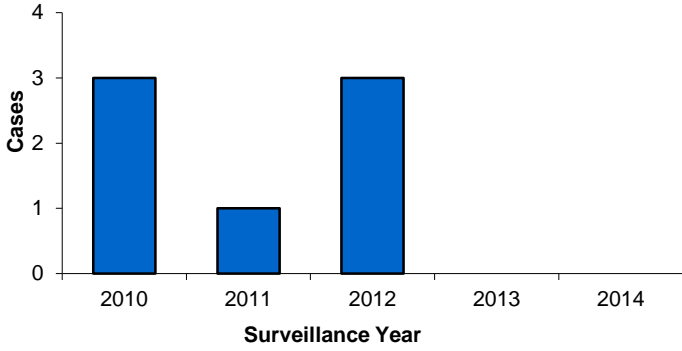
Chronic Hepatitis C Cases in Ottawa County by Quarter, Previous 5 Years



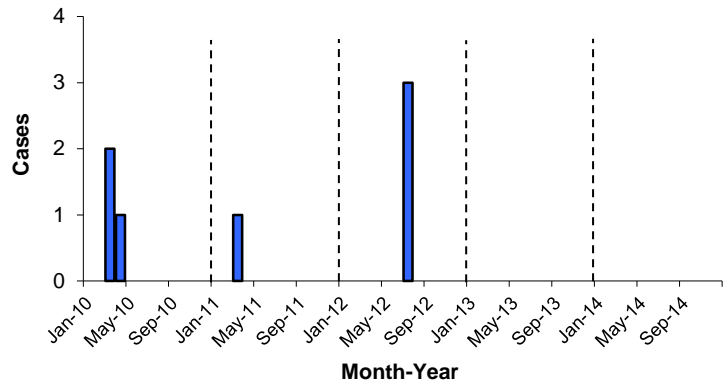
Chronic Hepatitis C Cases per 100,000



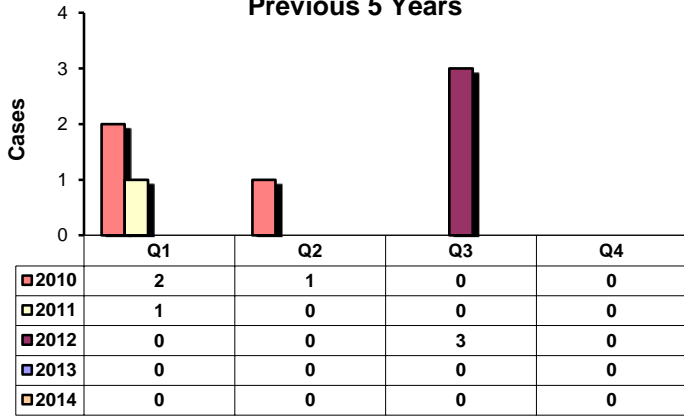
Hepatitis A Cases in Ottawa County Previous 5 Years



Hepatitis A Cases in Ottawa County by Month Previous 5 Years



Hepatitis A Cases in Ottawa County by Quarter Previous 5 Years



Hepatitis A Cases per 100,000

