



Ottawa County  
Health Department  
[miottawa.org/ochd](http://miottawa.org/ochd)

**Annual Summary of  
Reportable Diseases  
Ottawa County  
2012**

Prepared April 30, 2013

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# Monthly Reportable Disease Summary January 2012

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 month. 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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Epidemiologist  
[mknol@miottawa.org](mailto:mknol@miottawa.org)  
(616)494-5598

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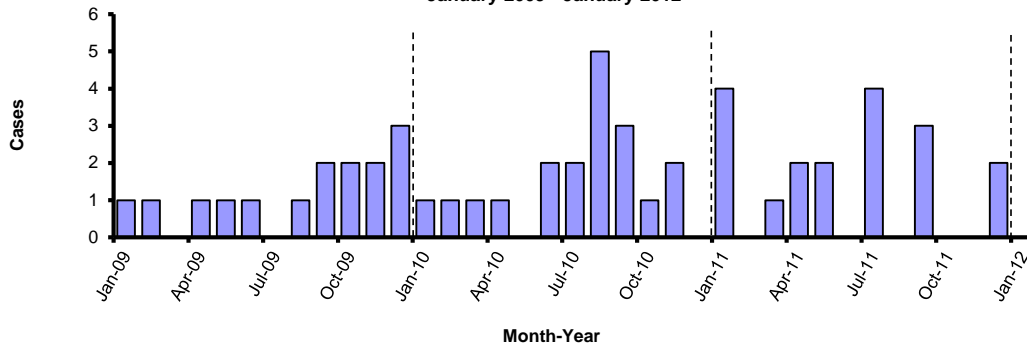
Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Oct-11	Nov-11	Dec-11	Jan-12	2009	2010	2011	2012	2012
<b>Other</b>	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	-	-	7
	Streptococcal Dis, Inv, Grp A	1	1	-	-	1	1	1	-	10
	Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	1
	Toxic Shock	-	-	-	-	-	-	-	-	1
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-
	VISA	-	-	-	-	-	-	-	-	1
	VRSA	-	-	-	-	-	-	-	-	-
	Other Subtotal	4	16	2	4	4	3	3	4	43
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	48	47	50	56	53	48	47	56	759
	Gonorrhea	3	5	6	1	5	5	6	1	72
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	-	-	-	-
	Syphilis - Latent of Unknown Duration	-	-	-	-	-	-	-	-	-
	Syphilis - Primary	1	-	-	-	-	-	-	-	-
	Syphilis - Secondary	-	-	-	-	-	-	1	-	-
	STD Subtotal	52	52	56	57	58	53	54	57	831
<b>Tuberculosis</b>	Tuberculosis	-	1	-	-	-	-	1	-	1
	Mycobacterium - Other	1	2	-	-	-	-	3	-	12
	Tuberculosis Subtotal	1	3	-	-	-	-	4	-	13
<b>VPD</b>	Chickenpox (Varicella)	4	3	2	5	5	4	-	5	23
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	1	-	-	-	-	-	-	-	2
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	-
	Pertussis	3	4	5	2	2	2	1	2	54
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	-	1	-	1	-	-	-	1	5
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	-	-	-	-	-	-
	VPD Subtotal	8	8	7	8	7	6	1	8	84
<b>Vectorborne</b>	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	-	-	-	-	-	-	-	-	4
	Malaria	-	1	-	-	-	-	-	-	-
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	-	-	-	1
	Yellow Fever	-	-	-	-	-	-	-	-	-
Vectorborne Subtotal	-	1	-	-	-	-	-	-	5	

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Oct-11	Nov-11	Dec-11	Jan-12	2009	2010	2011	2012	2012
Viral Hepatitis	Hepatitis A	-	-	-	-	-	-	-	-	3
	Hepatitis B, Acute	-	-	-	-	-	-	-	-	1
	Hepatitis B, Chronic	1	-	1	1	-	2	3	1	24
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	-	-	-	-	1
	Hepatitis C, Chronic	7	8	3	2	7	9	4	2	61
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	8	8	4	3	7	11	7	3	90
	<b>Total</b>		3,233	2,080	2,865	3,333	3,495	4,648	5,412	3,389

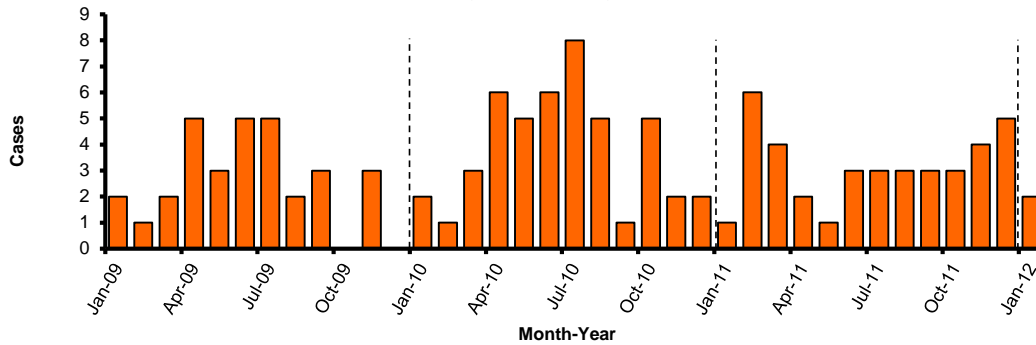
\* Indicates disease no longer reported into the MDSS on an individual cases basis.

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

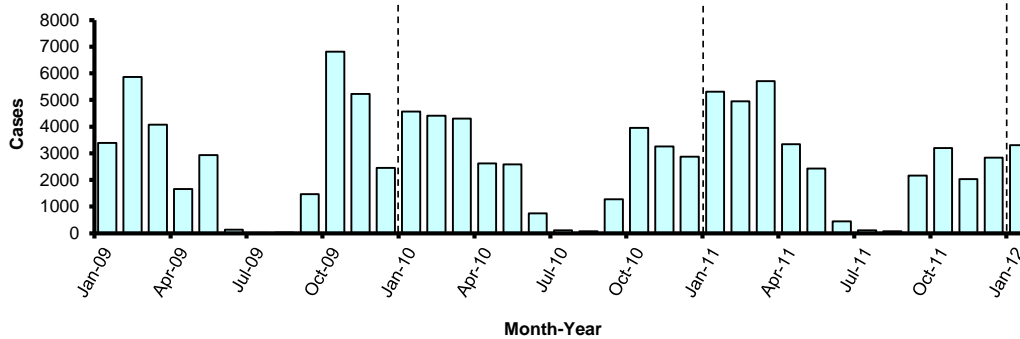
**Aseptic Meningitis Cases by Month**  
January 2009 - January 2012



**Pertussis Cases by Month**  
January 2009 - January 2012



**Flu-Like Disease Cases by Month**  
January 2009 - January 2012





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# Monthly Reportable Disease Summary

## February 2012

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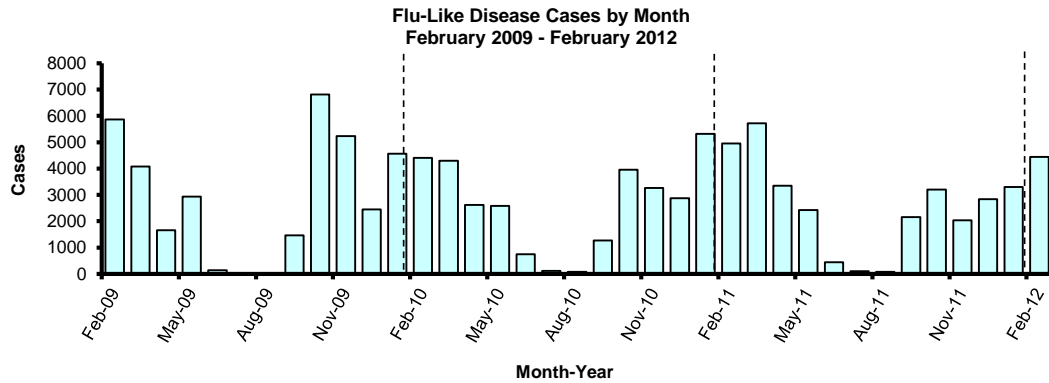
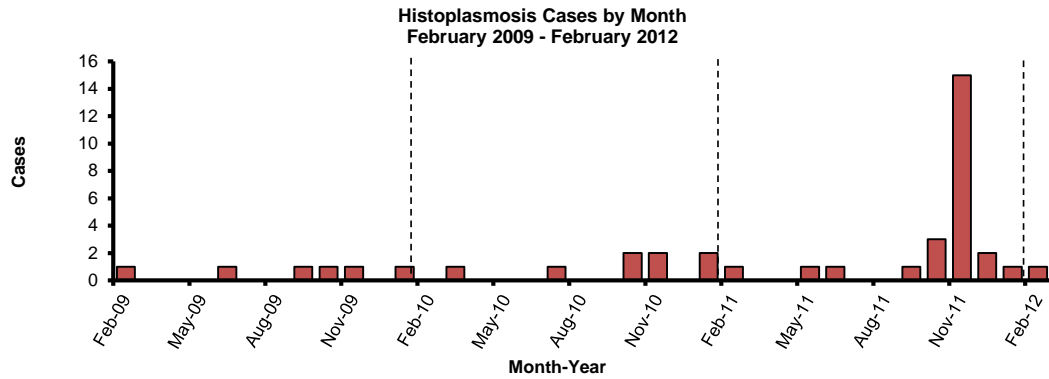
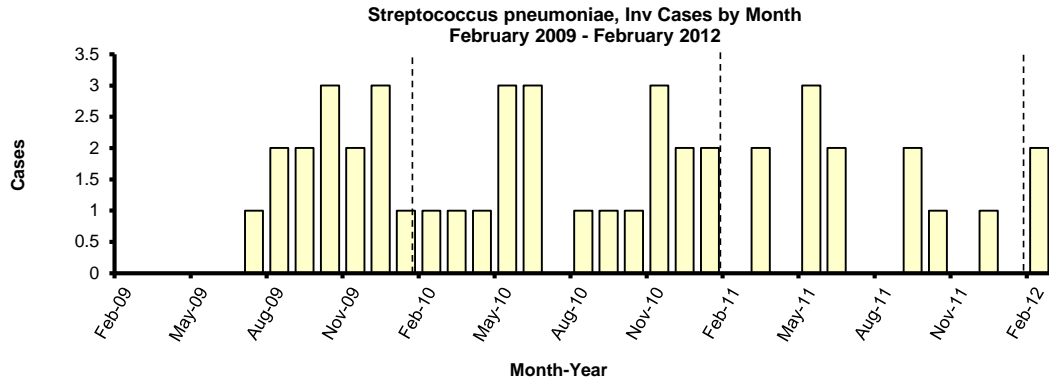




Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Nov-11	Dec-11	Jan-12	Feb-12	2009	2010	2011	2012	2012
Viral Hepatitis	Hepatitis A	-	-	-	-	-	-	-	-	3
	Hepatitis B, Acute	-	-	-	-	-	-	-	-	1
	Hepatitis B, Chronic	-	1	1	-	2	6	4	1	24
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	-	-	-	-	1
	Hepatitis C, Chronic	8	3	2	5	11	18	9	7	61
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	8	4	3	5	13	24	13	8	90
<b>Total</b>		2,080	2,865	3,333	4,479	9,344	9,032	10,348	7,812	31,541

\* 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

## March 2012

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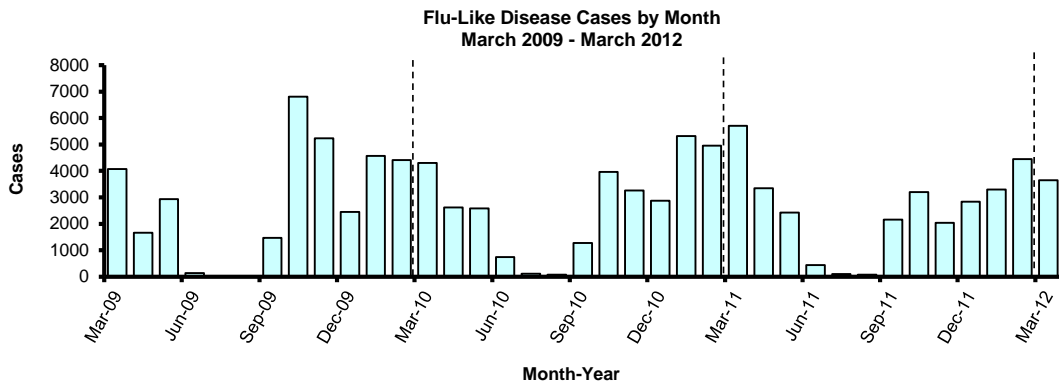
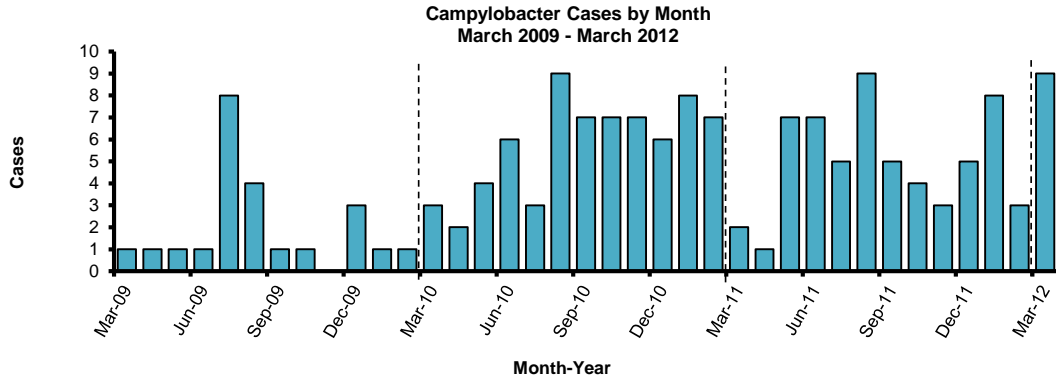
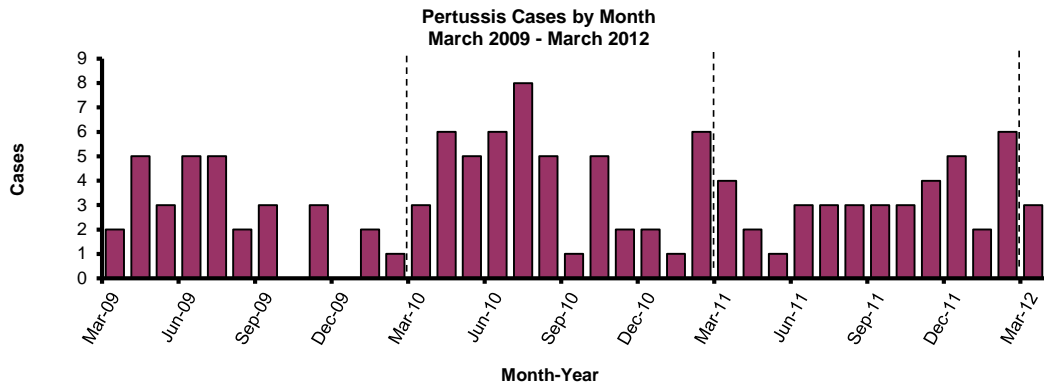


Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Dec-11	Jan-12	Feb-12	Mar-12	2009	2010	2011	2012	2012
<b>Other</b>	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	-	-	-	-	-	-	-	7
	Streptococcal Dis, Inv, Grp A	-	-	-	1	1	2	1	1	10
	Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	1
	Toxic Shock	-	-	-	-	-	-	-	-	1
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-
	VISA	-	-	-	-	-	-	-	-	1
	VRSA	-	-	-	-	-	-	-	-	-
Other Subtotal	2	4	1	3	5	5	6	8	43	
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	50	56	59	72	137	110	143	187	759
	Gonorrhea	6	1	6	7	15	19	19	14	72
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	-	-	-	-
	Syphilis - Latent of Unknown Duration	-	-	-	-	1	-	-	-	-
	Syphilis - Primary	-	-	-	-	-	-	-	-	-
	Syphilis - Secondary	-	-	-	-	-	1	1	-	-
STD Subtotal	56	57	65	79	153	130	163	201	831	
<b>Tuberculosis</b>	Tuberculosis	-	-	-	-	-	1	2	-	1
	Mycobacterium - Other	-	-	1	-	-	-	5	1	12
	Tuberculosis Subtotal	-	-	1	-	-	1	7	1	13
<b>VPD</b>	Chickenpox (Varicella)	2	5	2	-	25	20	8	7	23
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	-	-	-	-	-	1	-	2
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	-
	Pertussis	5	2	6	3	5	6	11	11	54
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	-	1	2	2	-	-	-	5	5
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	-	-	-	-	-	-
	VPD Subtotal	7	8	10	5	30	26	20	23	84
<b>Vectorborne</b>	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	4
	Malaria	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	-	-	-	1
	Yellow Fever	-	-	-	-	-	-	-	-	-
Vectorborne Subtotal	-	-	-	1	-	-	-	1	5	

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Dec-11	Jan-12	Feb-12	Mar-12	2009	2010	2011	2012	
Viral Hepatitis	Hepatitis A	-	-	-	-	-	2	1	-	3
	Hepatitis B, Acute	-	-	-	-	-	-	-	-	1
	Hepatitis B, Chronic	1	1	-	1	7	11	7	2	24
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	-	-	1	-	1
	Hepatitis C, Chronic	3	2	5	5	16	26	18	12	61
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	4	3	5	6	23	39	27	14	90
<b>Total</b>		2,865	3,333	4,479	3,677	13,468	13,375	16,097	11,489	31,541

\* 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 April 2012

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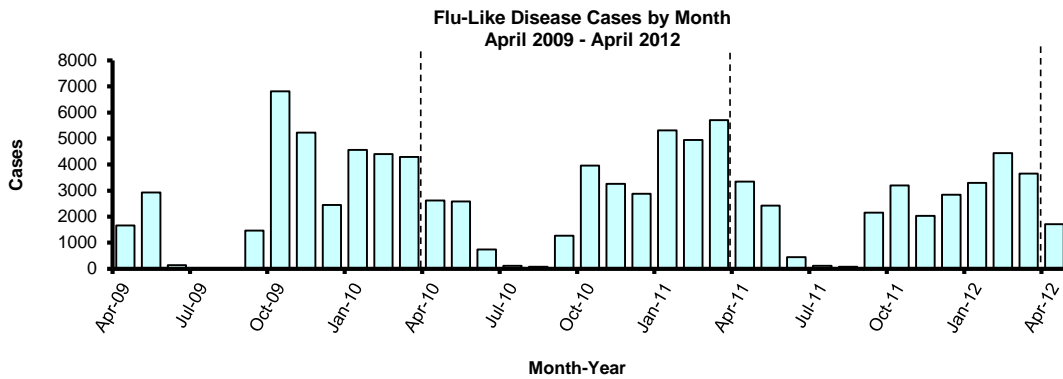
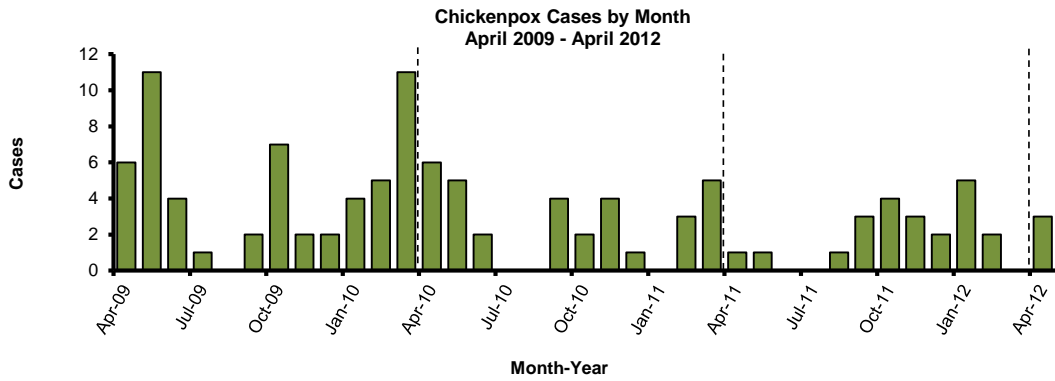
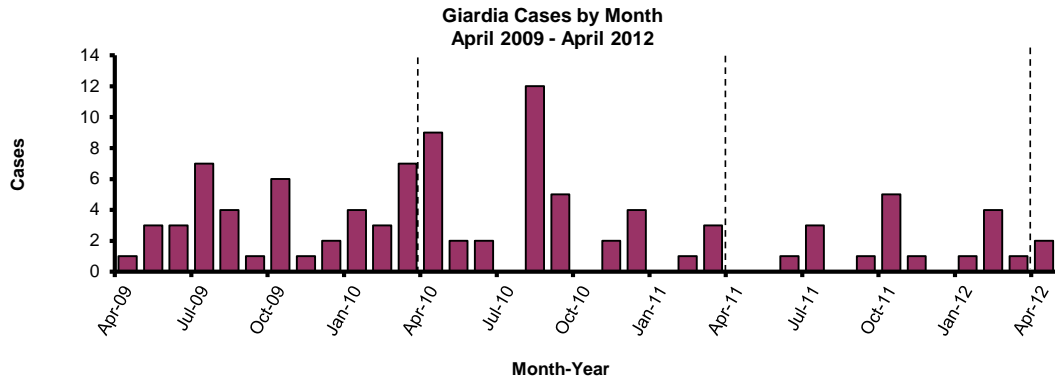


Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Jan-12	Feb-12	Mar-12	Apr-12	2009	2010	2011	2012	2012
<b>Other</b>	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	-	-	1	-	-	2	1	7
	Streptococcal Dis, Inv, Grp A	-	-	1	2	1	3	3	3	10
	Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	1
	Toxic Shock	-	-	-	1	-	-	-	1	1
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-
	VISA	-	-	-	-	-	-	-	-	1
	VRSA	-	-	-	-	-	-	-	-	-
Other Subtotal	4	1	3	7	5	7	10	15	43	
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	56	59	72	74	171	170	180	261	759
	Gonorrhea	1	6	7	6	20	22	25	20	72
	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	1	-	-
STD Subtotal	57	65	79	80	192	193	207	281	831	
<b>Tuberculosis</b>	Tuberculosis	-	-	-	-	-	1	2	-	1
	Mycobacterium - Other	-	1	-	-	-	-	5	1	12
	Tuberculosis Subtotal	-	1	-	-	-	1	7	1	13
<b>VPD</b>	Chickenpox (Varicella)	5	2	-	3	31	26	9	10	23
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	-	-	-	-	-	1	-	2
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	-
	Pertussis	2	6	3	4	10	12	13	15	54
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	1	2	2	-	-	-	-	5	5
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	-	-	-	-	-	-
VPD Subtotal	8	10	5	7	41	38	23	30	84	
<b>Vectorborne</b>	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	4
	Malaria	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	-	-	-	1
	Yellow Fever	-	-	-	-	-	-	-	-	-
Vectorborne Subtotal	-	-	1	1	-	-	-	2	5	

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Jan-12	Feb-12	Mar-12	Apr-12	2009	2010	2011	2012	2012
Viral Hepatitis	Hepatitis A	-	-	-	-	1	3	1	-	3
	Hepatitis B, Acute	-	-	-	-	-	-	-	-	1
	Hepatitis B, Chronic	1	-	1	3	12	12	9	5	24
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	-	-	1	-	1
	Hepatitis C, Chronic	2	5	5	6	21	29	25	18	61
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	3	5	6	9	34	44	36	23	90
<b>Total</b>		3,333	4,479	3,677	1,754	15,177	16,023	19,468	13,243	31,541

\* 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 May 2012

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 month. 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 Knol, M.Sc.  
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[mk nol@miottawa.org](mailto:mk nol@miottawa.org)  
(616)494-5598

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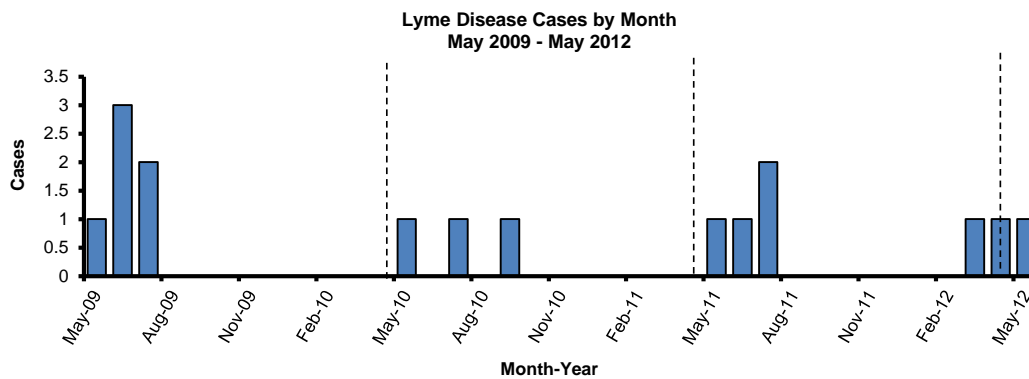
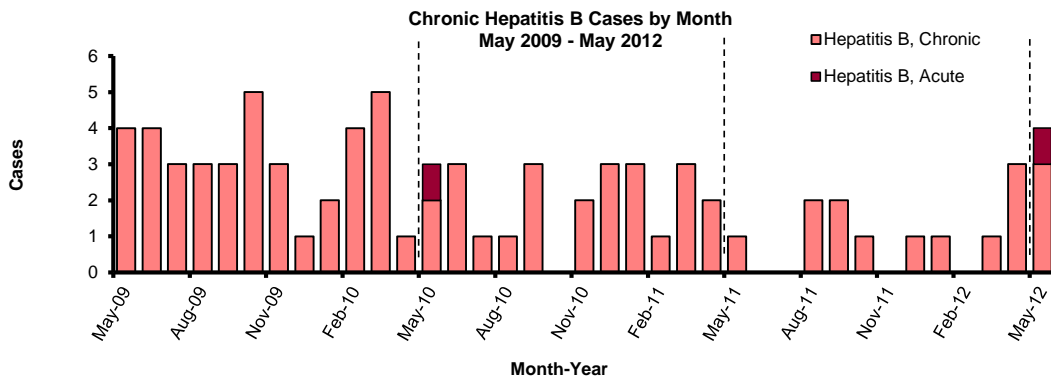
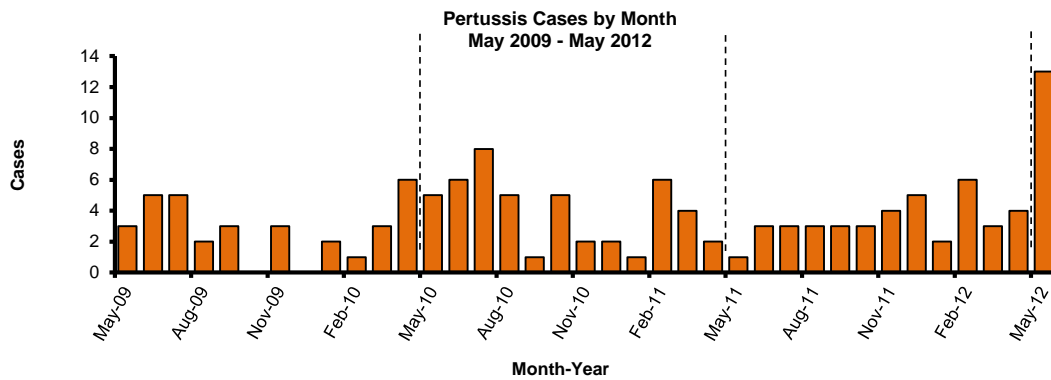


Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Feb-12	Mar-12	Apr-12	May-12	2009	2010	2011	2012	2012
Viral Hepatitis	Hepatitis A	-	-	-	-	1	3	1	-	3
	Hepatitis B, Acute	-	-	-	1	-	1	-	1	1
	Hepatitis B, Chronic	-	1	3	3	16	14	10	8	24
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	-	-	1	-	1
	Hepatitis C, Chronic	5	5	6	3	24	31	30	21	61
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	5	6	9	7	41	49	42	30	90
<b>Total</b>		4,479	3,677	1,754	2,493	18,166	18,634	21,922	15,736	31,541

\* 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

\*\*\*For 2012, pertussis numbers include epidemiologically linked cases associated with outbreaks; previous years only include lab confirmed cases.





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# Monthly Reportable Disease Summary June 2012

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 month. 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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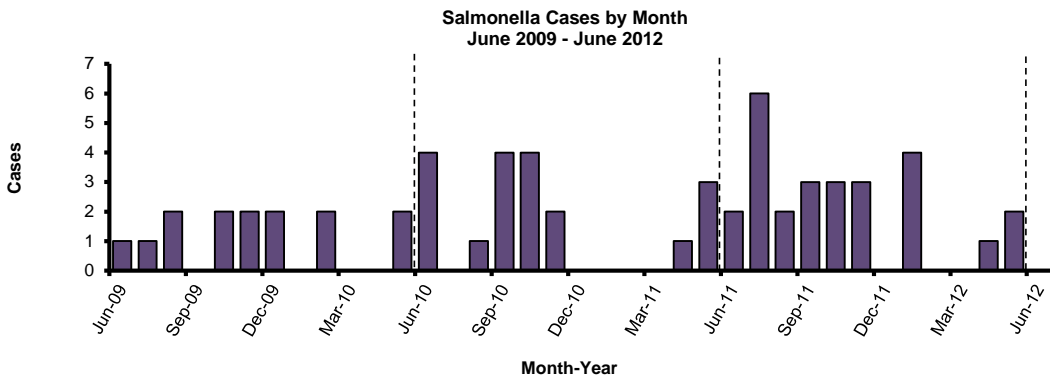
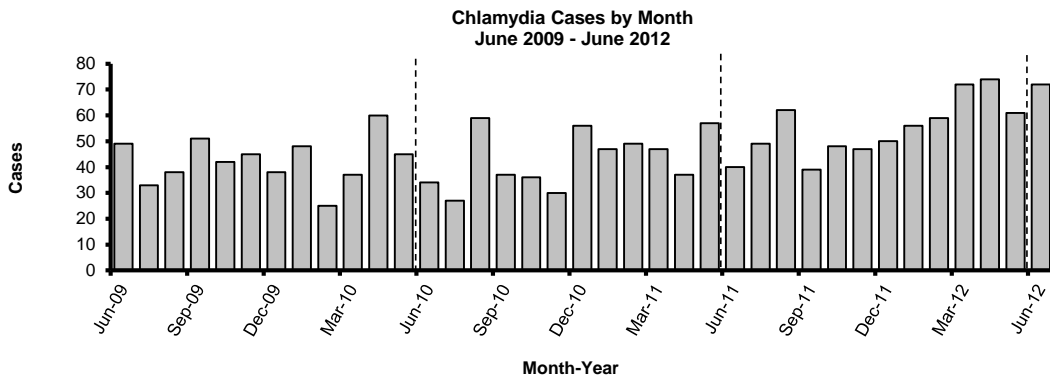
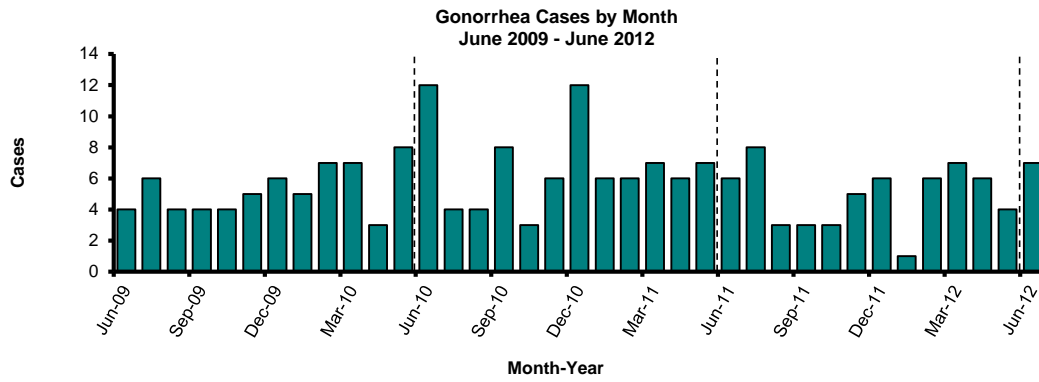


Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Mar-12	Apr-12	May-12	Jun-12	2009	2010	2011	2012	2012
<b>Other</b>	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	1	1	1	-	-	2	3	7
	Streptococcal Dis, Inv, Grp A	1	2	1	1	1	3	5	5	10
	Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	1
	Toxic Shock	-	1	-	-	1	-	-	1	1
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-
	VISA	-	-	-	-	-	-	-	-	1
	VRSA	-	-	-	-	-	-	-	-	-
Other Subtotal	3	7	4	2	7	7	15	21	43	
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	72	74	61	72	254	249	277	394	759
	Gonorrhea	7	6	4	7	29	42	38	31	72
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	2	1	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	1	-	-	-
	Syphilis - Latent of Unknown Duration	-	-	-	-	2	2	1	-	-
	Syphilis - Primary	-	-	-	-	-	-	-	-	-
	Syphilis - Secondary	-	-	-	-	-	1	1	-	-
STD Subtotal	79	80	65	79	287	296	317	425	831	
<b>Tuberculosis</b>	Tuberculosis	-	-	-	-	2	3	3	-	1
	Mycobacterium - Other	-	-	2	2	-	-	7	5	12
	Tuberculosis Subtotal	-	-	2	2	2	3	10	5	13
<b>VPD</b>	Chickenpox (Varicella)	-	3	1	2	46	33	10	13	23
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	-	-	-	-	-	1	-	2
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	-
	Pertussis	3	4	13	7	18	23	17	35	54
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	2	-	-	-	-	-	1	5	5
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	-	-	-	1	-	-
VPD Subtotal	5	7	14	9	64	56	30	53	84	
<b>Vectorborne</b>	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	-	-	-	-	-	-	-	-	-	
<b>Vectorborne</b>	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	1	1	1	-	4	1	2	3	4
	Malaria	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	-	-	-	1
	Yellow Fever	-	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	1	1	1	-	4	1	2	3	5

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Mar-12	Apr-12	May-12	Jun-12	2009	2010	2011	2012	2012
Viral Hepatitis	Hepatitis A	-	-	-	-	1	3	1	-	3
	Hepatitis B, Acute	-	-	1	-	-	1	-	1	1
	Hepatitis B, Chronic	1	3	3	1	20	17	10	9	24
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	-	-	1	-	1
	Hepatitis C, Chronic	5	6	3	7	31	36	40	28	61
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	6	9	7	8	52	57	52	38	90
	<b>Total</b>		3,677	1,754	2,493	614	18,351	19,413	22,406	16,350

\* 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 July 2012

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 month. 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.

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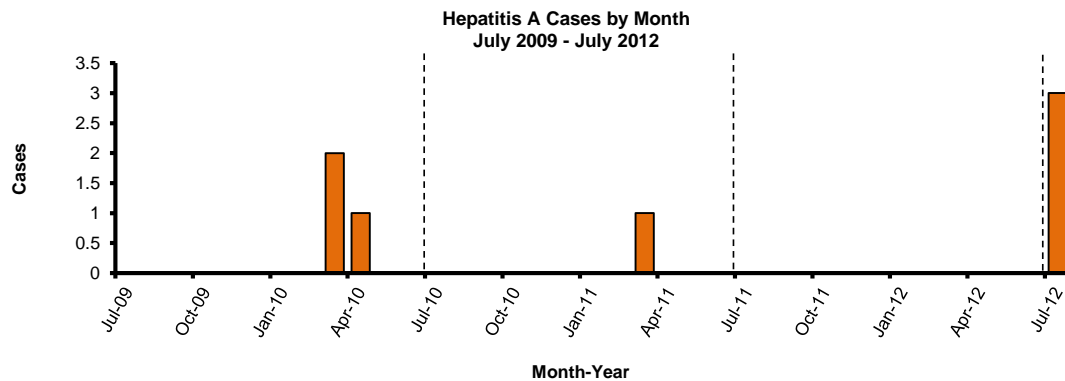
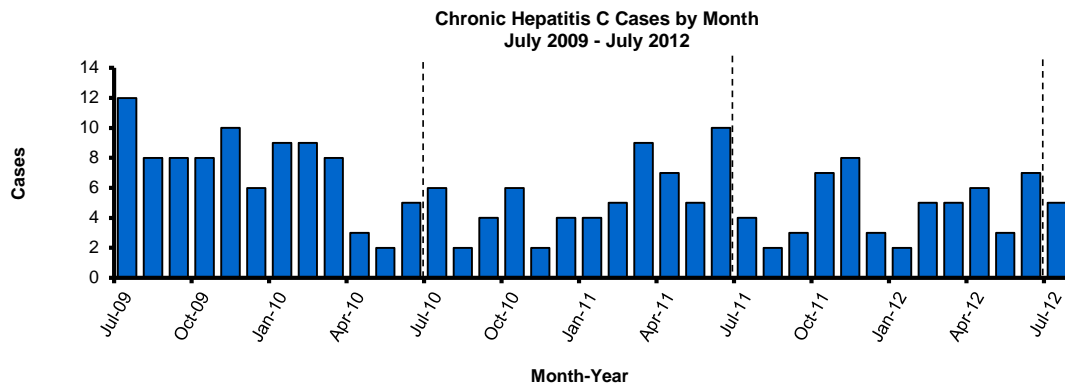
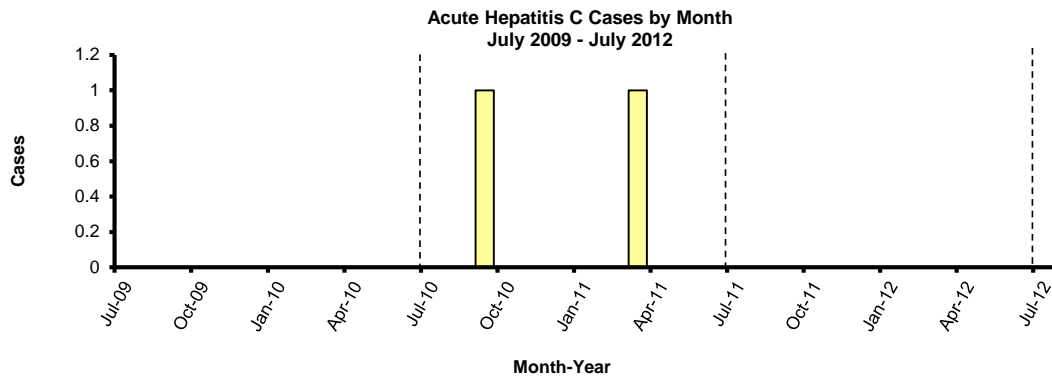


Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Apr-12	May-12	Jun-12	Jul-12	2009	2010	2011	2012	2012
<b>Other</b>	Streptococcus pneumoniae, Drug Resistant	1	1	1	-	-	-	2	3	7
	Streptococcal Dis, Inv, Grp A	2	1	1	1	1	3	6	6	10
	Streptococcal Toxic Shock	-	-	-	1	-	-	-	1	1
	Toxic Shock	1	-	-	-	2	-	-	1	1
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-
	VISA	-	-	-	-	-	-	-	-	1
	VRSA	-	-	-	-	-	-	-	-	-
	Other Subtotal	7	4	2	5	8	8	19	26	43
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	74	61	72	55	287	276	326	449	759
	Gonorrhea	6	4	7	10	35	46	46	41	72
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	2	1	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	1	-	-	-
	Syphilis - Latent of Unknown Duration	-	-	-	-	2	3	1	-	-
	Syphilis - Primary	-	-	-	-	-	-	-	-	-
	Syphilis - Secondary	-	-	-	-	-	2	1	-	-
	STD Subtotal	80	65	79	65	326	329	374	490	831
<b>Tuberculosis</b>	Tuberculosis	-	-	-	-	2	3	3	-	1
	Mycobacterium - Other	-	2	2	1	-	-	9	6	12
	Tuberculosis Subtotal	-	2	2	1	2	3	12	6	13
<b>VPD</b>	Chickenpox (Varicella)	3	1	2	1	47	33	10	14	23
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	-	-	-	-	-	2	-	2
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	-
	Pertussis	4	13	7	7	23	31	20	42	54
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	-	-	-	-	-	-	1	5	5
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	-	-	-	1	-	-
	VPD Subtotal	7	14	9	8	70	64	34	61	84
<b>Vectorborne</b>	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	-	1	6	2	4	4	4
	Malaria	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	-	-	-	1
	Yellow Fever	-	-	-	-	-	-	-	-	-
Vectorborne Subtotal	1	1	-	1	6	2	4	4	5	

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Apr-12	May-12	Jun-12	Jul-12	2009	2010	2011	2012	
Viral Hepatitis	Hepatitis A	-	-	-	3	1	3	1	3	3
	Hepatitis B, Acute	-	1	-	-	-	1	-	1	1
	Hepatitis B, Chronic	3	3	1	3	23	18	10	12	24
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	-	-	1	-	1
	Hepatitis C, Chronic	6	3	7	5	43	42	44	33	61
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	9	7	8	11	67	64	56	49	90
<b>Total</b>		1,754	2,493	614	120	18,403	19,551	22,555	16,470	31,541

\* 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 August 2012

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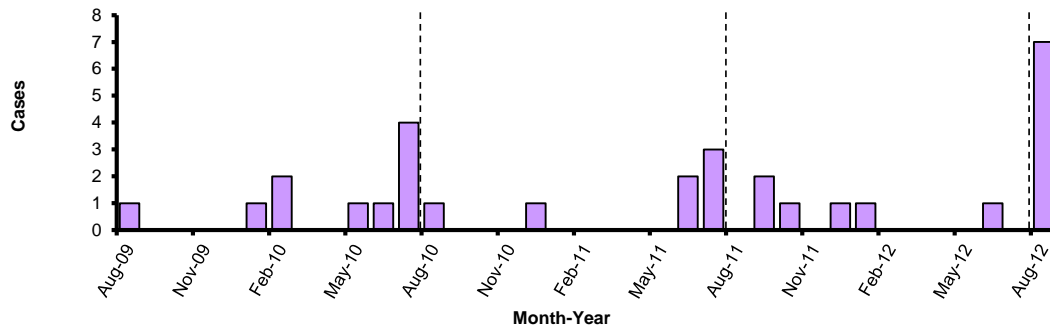
Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		May-12	Jun-12	Jul-12	Aug-12	2009	2010	2011	2012	2012
<b>Other</b>	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	1	1	-	1	-	-	2	4	7
	Streptococcal Dis, Inv, Grp A	1	1	1	3	1	3	6	9	10
	Streptococcal Toxic Shock	-	-	1	-	-	-	-	1	1
	Toxic Shock	-	-	-	-	2	-	-	1	1
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-
	VISA	-	-	-	-	-	-	-	-	1
	VRSA	-	-	-	-	-	-	-	-	-
Other Subtotal	4	2	5	7	9	8	20	33	43	
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	61	72	55	88	325	335	388	537	759
	Gonorrhea	4	7	10	8	39	50	49	49	72
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	2	1	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	1	-	-	-
	Syphilis - Latent of Unknown Duration	-	-	-	-	3	3	1	-	-
	Syphilis - Primary	-	-	-	-	-	-	-	-	-
	Syphilis - Secondary	-	-	-	-	-	3	1	-	-
STD Subtotal	65	79	65	96	369	393	439	586	831	
<b>Tuberculosis</b>	Tuberculosis	-	-	-	1	2	5	3	1	1
	Mycobacterium - Other	2	2	1	-	-	-	10	6	12
	Tuberculosis Subtotal	2	2	1	1	2	5	13	7	13
<b>VPD</b>	Chickenpox (Varicella)	1	2	1	1	47	33	11	15	23
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	-	-	-	-	-	2	-	2
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	-
	Pertussis	13	7	7	5	25	36	23	47	54
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	-	-	-	-	-	-	2	5	5
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	-	-	-	1	-	-
VPD Subtotal	14	9	8	6	72	69	39	67	84	
<b>Vectorborne</b>	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	-	6	2	4	4	4
	Malaria	-	-	-	-	-	-	1	-	-
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	1	-	-	-	1	1
Yellow Fever	-	-	-	-	-	-	-	-	-	
Vectorborne Subtotal	1	-	1	1	6	2	5	5	5	

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		May-12	Jun-12	Jul-12	Aug-12	2009	2010	2011	2012	2012
Viral Hepatitis	Hepatitis A	-	-	3	-	1	3	1	3	3
	Hepatitis B, Acute	1	-	-	-	-	1	-	1	1
	Hepatitis B, Chronic	3	1	3	1	26	19	12	13	24
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	-	-	1	-	1
	Hepatitis C, Chronic	3	7	5	10	51	44	46	43	61
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	7	8	11	11	78	67	60	60	90
<b>Total</b>		2,493	614	120	166	18,458	19,672	22,654	16,636	31,541

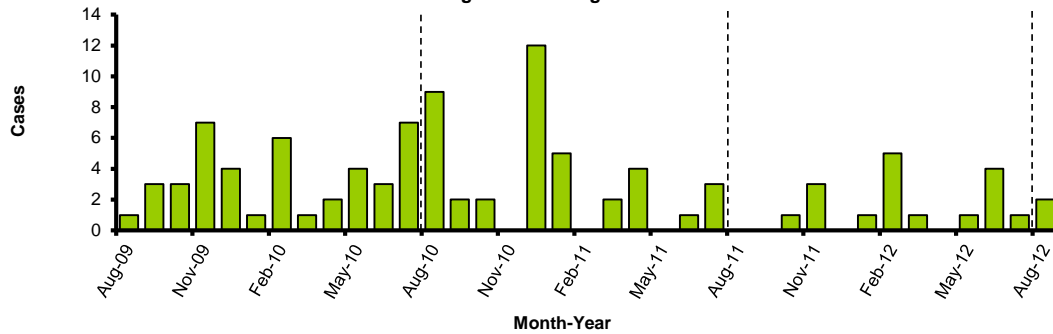
\* Indicates disease no longer reported into the MDSS on an individual cases basis.

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

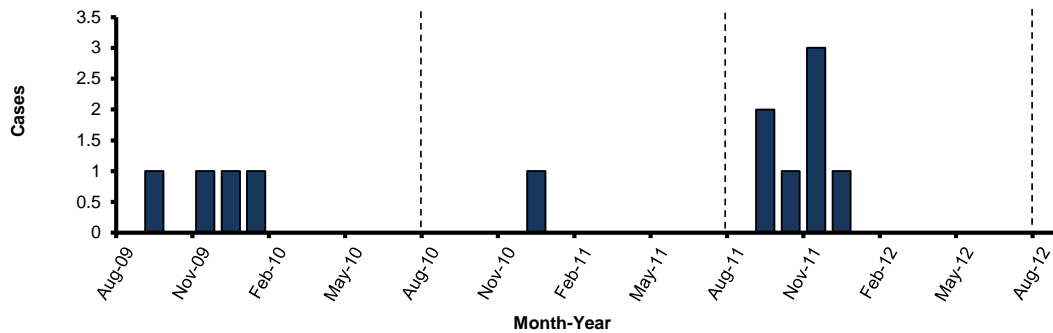
**Cryptosporidiosis Cases by Month  
August 2009 - August 2012**



**Giardia Cases by Month  
August 2009 - August 2012**



**Shigellosis Cases by Month  
August 2009 - August 2012**





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# Monthly Reportable Disease Summary

## September 2012

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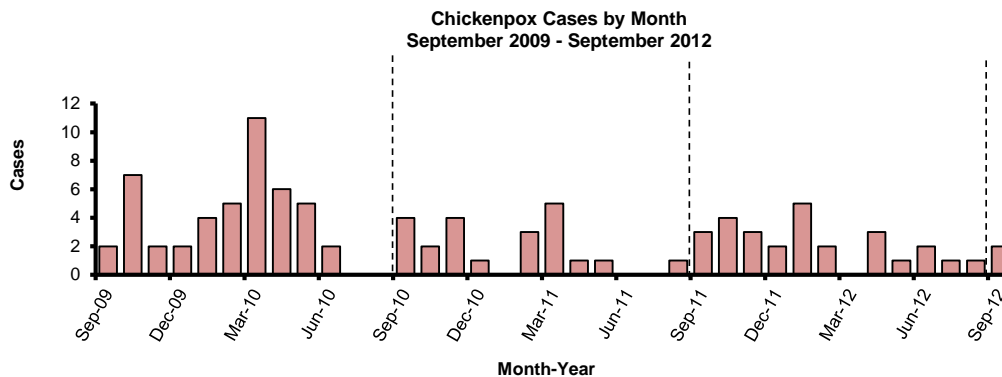
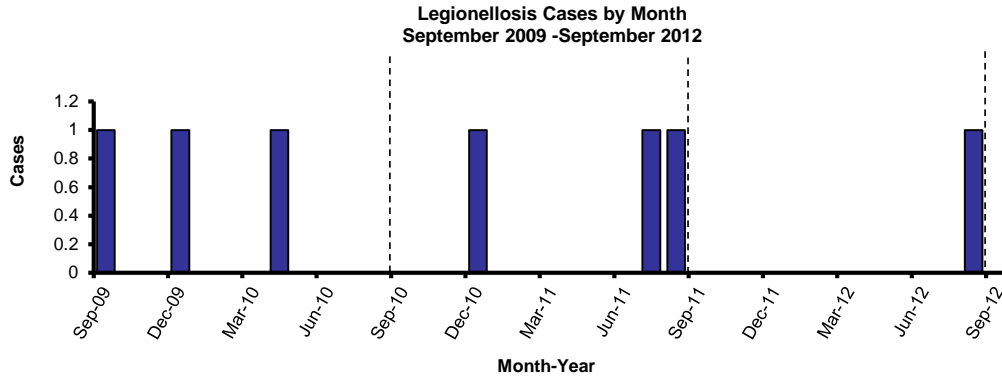
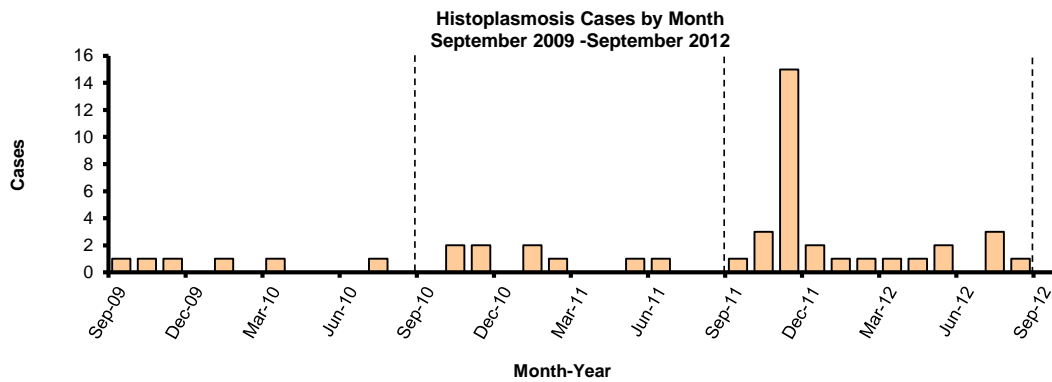


Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Jun-12	Jul-12	Aug-12	Sep-12	2009	2010	2011	2012	2012
<b>Other</b>	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	1	-	1	-	-	-	2	4	7
	Streptococcal Dis, Inv, Grp A	1	1	3	-	1	3	6	9	10
	Streptococcal Toxic Shock	-	1	-	-	-	-	-	1	1
	Toxic Shock	-	-	-	-	2	-	-	1	1
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-
	VISA	-	-	-	-	-	-	-	-	1
	VRSA	-	-	-	-	-	-	-	-	-
	Other Subtotal	2	5	7	-	11	8	22	33	43
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	72	55	88	37	376	372	427	574	759
	Gonorrhea	7	10	8	3	43	58	52	52	72
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	2	1	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	1	-	-	-
	Syphilis - Latent of Unknown Duration	-	-	-	-	3	3	1	-	-
	Syphilis - Primary	-	-	-	-	-	-	-	-	-
	Syphilis - Secondary	-	-	-	-	-	3	3	-	-
STD Subtotal	79	65	96	40	424	438	483	626	831	
<b>Tuberculosis</b>	Tuberculosis	-	-	1	-	2	6	3	1	1
	Mycobacterium - Other	2	1	-	-	-	-	11	6	12
	Tuberculosis Subtotal	2	1	1	-	2	6	14	7	13
<b>VPD</b>	Chickenpox (Varicella)	2	1	1	2	49	37	14	17	23
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	-	-	-	-	-	2	-	2
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	-
	Pertussis	7	7	5	3	28	37	26	50	54
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	-	-	-	-	-	-	2	5	5
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	-	-	1	1	-	-
VPD Subtotal	9	8	6	5	77	75	45	72	84	
<b>Vectorborne</b>	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	-	-	6	3	4	4	4
	Malaria	-	-	-	-	-	-	1	-	-
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	1	-	-	1	-	1	1
	Yellow Fever	-	-	-	-	-	-	-	-	-
Vectorborne Subtotal	-	1	1	-	6	4	5	5	5	

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Jun-12	Jul-12	Aug-12	Sep-12	2009	2010	2011	2012	2012
Viral Hepatitis	Hepatitis A	-	3	-	-	1	3	1	3	3
	Hepatitis B, Acute	-	-	-	-	-	1	-	1	1
	Hepatitis B, Chronic	1	3	1	1	29	22	14	14	24
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	-	1	1	-	1
	Hepatitis C, Chronic	7	5	10	5	59	48	49	48	61
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	8	11	11	6	89	75	65	66	90
	<b>Total</b>		614	120	166	2,179	19,949	20,982	24,844	18,815

\* 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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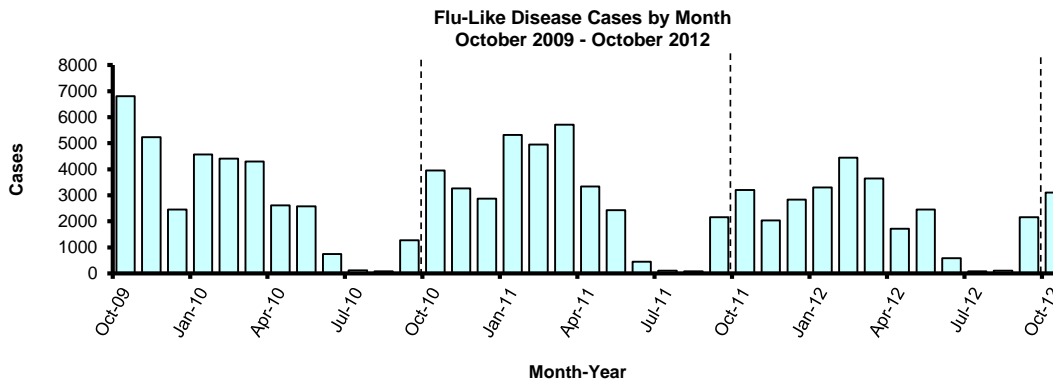
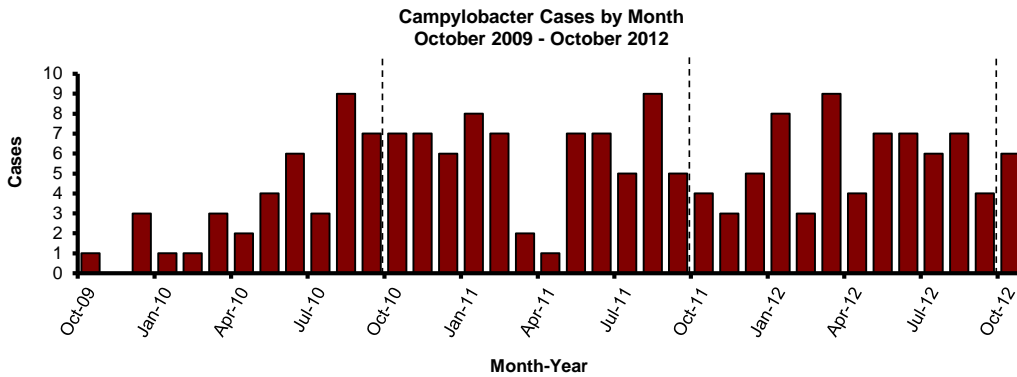
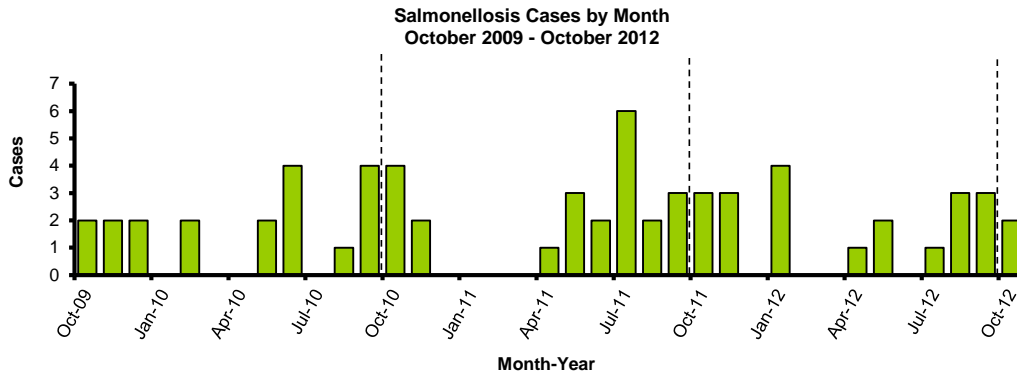


Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Jul-12	Aug-12	Sep-12	Oct-12	2009	2010	2011	2012	2012
<b>Other</b>	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	1	-	-	-	-	2	4	7
	Streptococcal Dis, Inv, Grp A	1	3	-	-	1	3	7	9	10
	Streptococcal Toxic Shock	1	-	-	-	-	-	-	1	1
	Toxic Shock	-	-	-	-	2	-	-	1	1
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-
	VISA	-	-	-	-	-	-	-	-	1
	VRSA	-	-	-	-	-	-	-	-	-
	Other Subtotal	5	7	-	2	14	11	26	35	43
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	55	88	37	66	418	408	475	640	759
	Gonorrhea	10	8	3	4	47	61	55	56	72
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	2	1	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	1	-	-	-
	Syphilis - Latent of Unknown Duration	-	-	-	-	3	3	1	-	-
	Syphilis - Primary	-	-	-	-	-	-	1	-	-
	Syphilis - Secondary	-	-	-	-	-	3	3	-	-
STD Subtotal	65	96	40	70	470	477	535	696	831	
<b>Tuberculosis</b>	Tuberculosis	-	1	-	-	2	6	3	1	1
	Mycobacterium - Other	1	-	-	1	-	-	12	7	12
	Tuberculosis Subtotal	1	1	-	1	2	6	15	8	13
<b>VPD</b>	Chickenpox (Varicella)	1	1	2	2	56	39	18	19	23
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	-	-	-	-	-	3	-	2
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	-
	Pertussis	7	5	3	1	28	42	29	51	54
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	-	-	-	-	-	-	2	5	5
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	-	-	1	1	-	-
VPD Subtotal	8	6	5	3	84	82	53	75	84	
<b>Vectorborne</b>	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	-	-	-	6	3	4	4	4
	Malaria	-	-	-	-	-	-	1	-	-
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-
	West Nile Virus	-	1	-	-	-	1	-	1	1
	Yellow Fever	-	-	-	-	-	-	-	-	-
Vectorborne Subtotal	1	1	-	-	6	4	5	5	5	

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Jul-12	Aug-12	Sep-12	Oct-12	2009	2010	2011	2012	2012
Viral Hepatitis	Hepatitis A	3	-	-	-	1	3	1	3	3
	Hepatitis B, Acute	-	-	-	-	-	1	-	1	1
	Hepatitis B, Chronic	3	1	1	2	34	22	15	16	24
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	-	1	1	-	1
	Hepatitis C, Chronic	5	10	5	2	67	54	56	50	61
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	11	11	6	4	102	81	73	70	90
	<b>Total</b>		120	166	2,179	3,133	26,890	24,968	28,077	21,948

\* 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

## November 2012

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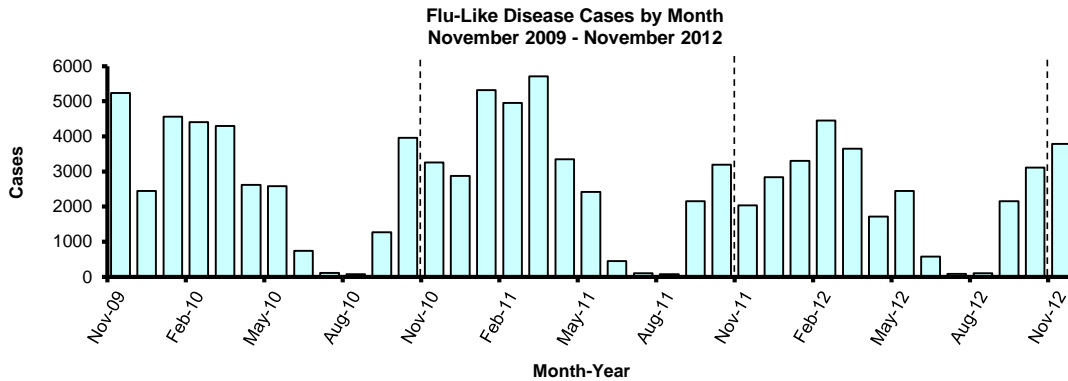
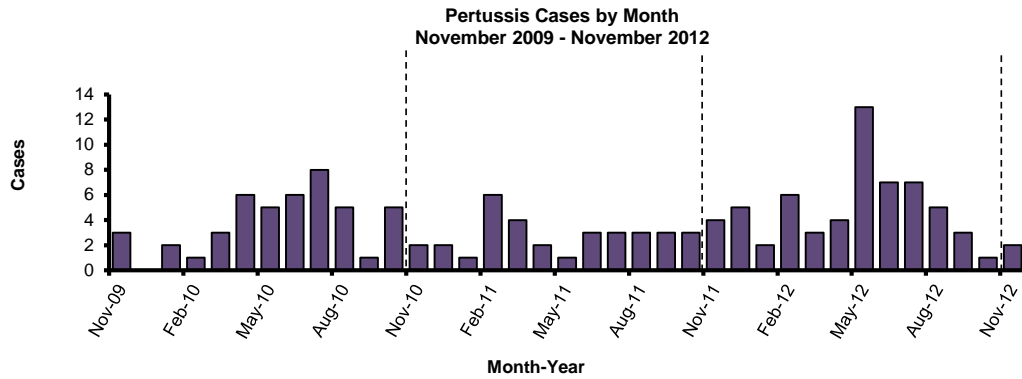
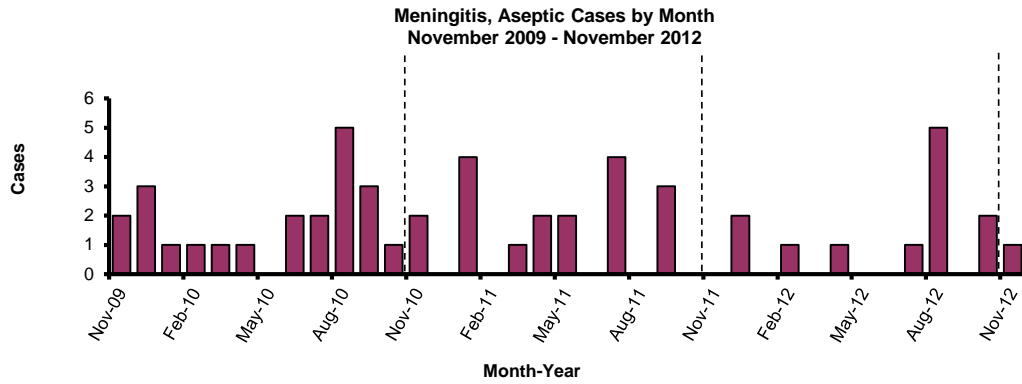


Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Aug-12	Sep-12	Oct-12	Nov-12	2009	2010	2011	2012	2012
<b>Other</b>	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	1	-	-	2	-	-	2	6	7
	Streptococcal Dis, Inv, Grp A	3	-	-	1	1	3	8	10	10
	Streptococcal Toxic Shock	-	-	-	-	-	-	-	1	1
	Toxic Shock	-	-	-	-	2	-	-	1	1
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-
	VISA	-	-	-	-	-	-	-	-	1
	VRSA	-	-	-	-	-	-	-	-	-
Other Subtotal	7	-	2	4	16	13	42	39	43	
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	88	37	66	66	463	438	522	706	759
	Gonorrhea	8	3	4	7	52	67	60	63	72
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	2	1	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	1	-	-	-
	Syphilis - Latent of Unknown Duration	-	-	-	-	4	3	1	-	-
	Syphilis - Primary	-	-	-	-	-	-	1	-	-
	Syphilis - Secondary	-	-	-	-	-	3	3	-	-
STD Subtotal	96	40	70	73	521	513	587	769	831	
<b>Tuberculosis</b>	Tuberculosis	1	-	-	-	2	6	4	1	1
	Mycobacterium - Other	-	-	1	4	-	-	14	11	12
	Tuberculosis Subtotal	1	-	1	4	2	6	18	12	13
<b>VPD</b>	Chickenpox (Varicella)	1	2	2	3	58	43	21	22	23
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	-	-	2	-	-	3	2	2
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	-
	Pertussis	5	3	1	2	31	44	33	53	54
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	-	-	-	-	-	1	3	5	5
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	-	-	1	1	-	-
	VPD Subtotal	6	5	3	7	89	89	61	82	84
<b>Vectorborne</b>	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	-	-	-	-	6	3	4	4	4
	Malaria	-	-	-	-	-	-	2	-	-
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-
	West Nile Virus	1	-	-	-	-	1	-	1	1
	Yellow Fever	-	-	-	-	-	-	-	-	-
Vectorborne Subtotal	1	-	-	-	6	4	6	5	5	

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Aug-12	Sep-12	Oct-12	Nov-12	2009	2010	2011	2012	2012
Viral Hepatitis	Hepatitis A	-	-	-	-	1	3	1	3	3
	Hepatitis B, Acute	-	-	-	-	-	1	-	1	1
	Hepatitis B, Chronic	1	1	2	6	37	24	15	22	24
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	1	-	1	1	1	1
	Hepatitis C, Chronic	10	5	2	6	77	56	64	56	61
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	1	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	11	6	4	13	116	85	81	83	90
<b>Total</b>		166	2,179	3,133	<b>3,822</b>	32,187	28,258	30,157	<b>25,770</b>	<b>31,541</b>

\* 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

## December 2012

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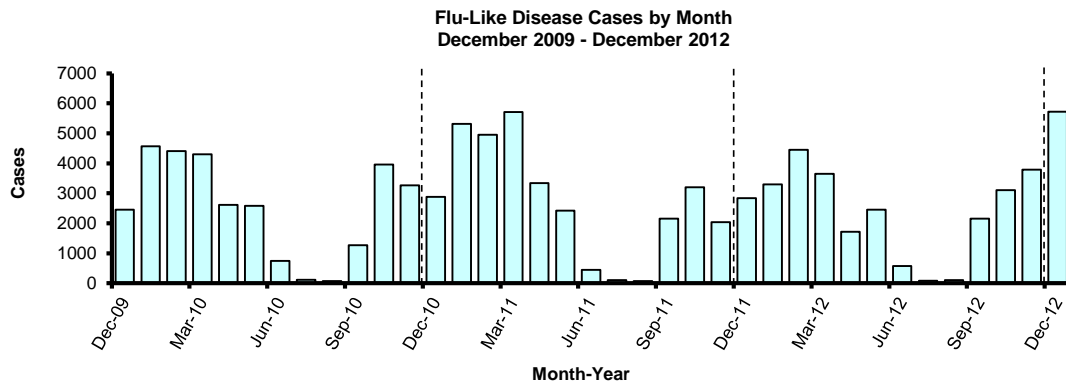
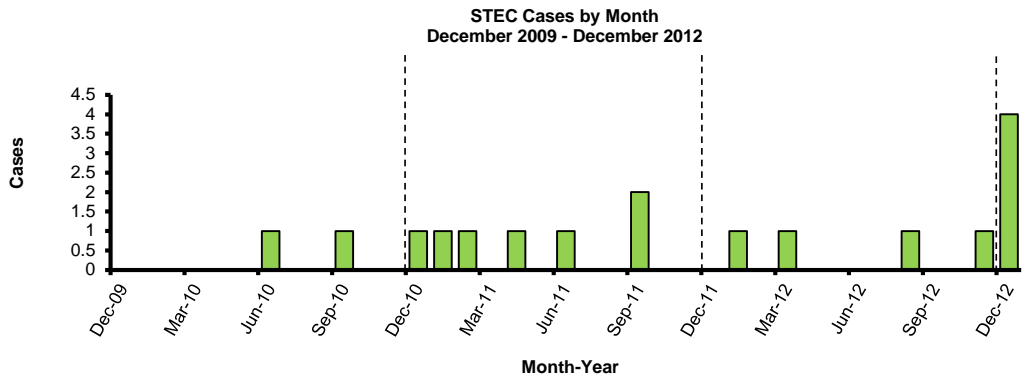
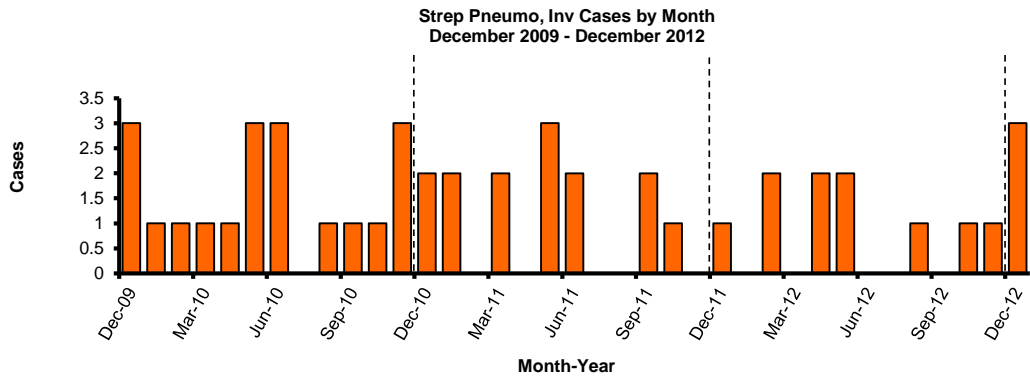


Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Sep-12	Oct-12	Nov-12	Dec-12	2009	2010	2011	2012	2012
<b>Other</b>	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	-	2	1	-	-	2	7	7
	Streptococcal Dis, Inv, Grp A	-	-	1	-	1	3	8	10	10
	Streptococcal Toxic Shock	-	-	-	-	-	1	-	1	1
	Toxic Shock	-	-	-	-	2	-	-	1	1
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-
	VISA	-	-	-	1	-	-	-	1	1
	VRSA	-	-	-	-	-	-	-	-	-
Other Subtotal	-	2	4	4	18	15	44	43	43	
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	37	66	66	53	501	494	572	759	759
	Gonorrhea	3	4	7	9	58	79	66	72	72
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	2	1	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	1	-	-	-
	Syphilis - Latent of Unknown Duration	-	-	-	-	4	3	1	-	-
	Syphilis - Primary	-	-	-	-	-	-	1	-	-
	Syphilis - Secondary	-	-	-	-	-	3	3	-	-
STD Subtotal	40	70	73	62	565	581	643	831	831	
<b>Tuberculosis</b>	Tuberculosis	-	-	-	-	2	6	4	1	1
	Mycobacterium - Other	-	1	4	1	-	2	14	12	12
	Tuberculosis Subtotal	-	1	4	1	2	8	18	13	13
<b>VPD</b>	Chickenpox (Varicella)	2	2	3	1	60	44	23	23	23
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	-	2	-	-	-	3	2	2
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	-
	Pertussis	3	1	2	1	31	46	38	54	54
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	-	-	-	-	-	1	3	5	5
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	-	-	1	1	-	-
VPD Subtotal	5	3	7	2	91	92	68	84	84	
<b>Vectorborne</b>	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	-	-	-	-	6	3	4	4	4
	Malaria	-	-	-	-	-	-	2	-	-
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	1	-	1	1
	Yellow Fever	-	-	-	-	-	-	-	-	-
Vectorborne Subtotal	-	-	-	-	6	4	6	5	5	

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported To Date**				Year End
		Sep-12	Oct-12	Nov-12	Dec-12	2009	2010	2011	2012	2012
Viral Hepatitis	Hepatitis A	-	-	-	-	1	3	1	3	3
	Hepatitis B, Acute	-	-	-	-	-	1	-	1	1
	Hepatitis B, Chronic	1	2	6	2	38	27	16	24	24
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	1	-	-	1	1	1	1
	Hepatitis C, Chronic	5	2	6	5	83	60	67	61	61
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	1	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
Viral Hepatitis Subtotal		6	4	13	7	123	92	85	90	90
<b>Total</b>		<b>2,179</b>	<b>3,133</b>	<b>3,822</b>	<b>5,771</b>	<b>34,662</b>	<b>31,162</b>	<b>33,022</b>	<b>31,541</b>	<b>31,541</b>

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# Quarterly Reportable Disease Summaries

## 2012

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**Counties: Ottawa**  
**Quarterly Summary of Reportable Diseases**  
**Q1**

Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q1 Cases by Year***			
		Q2-11	Q3-11	Q4-11	Q1-12	Q1-09	Q1-10	Q1-11	Q1-12
<b>Foodborne</b>	Amebiasis	-	-	-	-	-	2	-	-
	Botulism - Foodborne	-	-	-	-	-	-	-	-
	Campylobacter	15	19	12	<b>20</b>	3	5	17	20
	Cryptosporidiosis	2	5	2	<b>1</b>	2	3	-	1
	Escherichia coli O157:H7*	-	-	-	-	-	-	-	-
	Giardiasis	1	4	6	<b>6</b>	3	14	4	6
	Listeriosis	-	-	1	-	-	-	-	-
	Norovirus	1	-	6	<b>6</b>	-	-	9	6
	Salmonellosis	6	11	6	<b>4</b>	8	2	-	4
	Shiga toxin, E. Coli, Non O157*	-	-	-	-	-	-	-	-
	Shiga toxin, E. Coli, Unsp*	-	-	-	-	1	-	-	-
	Shiga toxin-producing Escherichia coli --(STEC)	2	2	-	<b>2</b>	-	-	2	2
	Shigellosis	3	4	-	-	1	-	-	-
	Typhoid Fever	-	-	-	-	-	-	-	-
	Yersinia enteritis	-	-	-	<b>1</b>	-	-	-	1
<b>Foodborne Subtotal</b>	<b>30</b>	<b>45</b>	<b>33</b>	<b>40</b>	<b>18</b>	<b>26</b>	<b>32</b>	<b>40</b>	
<b>Influenza</b>	Flu Like Disease*	6,214	2,341	8,071	<b>11,396</b>	13,324	13,269	15,978	11,396
	Influenza	5	-	-	<b>3</b>	60	-	18	3
	Influenza, 2009 Novel*	-	-	-	-	-	2	-	-
	Influenza, Novel	-	-	-	-	-	-	-	-
	<b>Influenza Subtotal</b>	<b>6,219</b>	<b>2,341</b>	<b>8,071</b>	<b>11,399</b>	<b>13,384</b>	<b>13,271</b>	<b>15,996</b>	<b>11,399</b>
<b>Meningitis</b>	Meningitis - Aseptic	4	7	2	<b>1</b>	2	3	5	1
	Meningitis - Bacterial Other	1	1	-	-	3	1	-	-
	Meningococcal Disease	1	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Inv	5	2	2	<b>2</b>	3	3	4	2
	<b>Meningitis Subtotal</b>	<b>11</b>	<b>10</b>	<b>4</b>	<b>3</b>	<b>8</b>	<b>7</b>	<b>9</b>	<b>3</b>
<b>Other</b>	Anthrax	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	-	-	-	-	-
	Botulism - Infant	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	-	-	-
	Cholera	-	-	-	-	-	-	-	-
	Coccidioidomycosis	-	-	-	-	-	-	-	-
	Creutzfeldt-Jakob Disease	-	1	-	-	-	-	-	-
	Cryptococcosis	-	-	-	-	-	-	-	-
	Cyclosporiasis	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	-	-	-	-	-
	Encephalitis, Primary	-	-	-	-	1	-	-	-
	Guillain-Barre Syndrome	1	1	-	<b>2</b>	-	-	-	2
	Hantavirus	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	1	-	-	-	-	-	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	-	-	-
	Histoplasmosis	2	1	20	<b>3</b>	2	2	3	3
	Kawasaki	-	-	-	-	1	1	-	-
Legionellosis	-	2	-	-	-	-	-	-	



Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q1 Cases by Year***			
		Q2-11	Q3-11	Q4-11	Q1-12	Q1-09	Q1-10	Q1-11	Q1-12
<b>Vectorborne</b>	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	2	-	1	-	-	-	1
	Malaria	-	1	1	-	-	-	-	-
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	2	3	1	1	-	-	-	1
<b>Viral Hepatitis</b>	Hepatitis A	-	-	-	-	-	2	1	-
	Hepatitis B, Acute	-	-	-	-	-	-	-	-
	Hepatitis B, Chronic	3	4	2	2	7	11	7	2
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	-	-	1	-
	Hepatitis C, Chronic	22	9	18	12	16	26	18	12
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	25	13	20	14	23	39	27	14
<b>Total</b>		6,309	2,438	8,178	11,489	13,468	13,375	16,097	11,489

\* 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=Jan-Mar, Q2=Apr-Jun, Q3=Jul-Sep Q4=Oct-Dec

**Counties: Ottawa**  
**Quarterly Summary of Reportable Diseases**  
**Q2**

Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q2 Cases by Year***			
		Q3-11	Q4-11	Q1-12	Q2-12	Q2-09	Q2-10	Q2-11	Q2-12
<b>Foodborne</b>	Amebiasis	-	-	-	-	-	-	-	-
	Botulism - Foodborne	-	-	-	-	-	-	-	-
	Campylobacter	19	12	20	<b>18</b>	3	12	15	18
	Cryptosporidiosis	5	2	1	<b>1</b>	-	2	2	1
	Escherichia coli O157:H7*	-	-	-	-	-	-	-	-
	Giardiasis	4	6	6	<b>13</b>	7	13	1	13
	Listeriosis	-	1	-	-	-	-	-	-
	Norovirus	-	6	6	-	-	1	1	-
	Salmonellosis	11	6	4	<b>3</b>	9	6	6	3
	Shiga toxin, E. Coli, Non O157*	-	-	-	-	-	-	-	-
	Shiga toxin, E. Coli, Unsp*	-	-	-	-	1	-	-	-
	Shiga toxin-producing Escherichia coli --(STEC)	2	-	2	-	-	1	2	-
	Shigellosis	4	-	-	<b>1</b>	1	-	3	1
	Typhoid Fever	-	-	-	-	-	-	-	-
	Yersinia enteritis	-	-	1	-	-	-	-	-
<b>Foodborne Subtotal</b>		<b>45</b>	<b>33</b>	<b>40</b>	<b>36</b>	<b>21</b>	<b>35</b>	<b>30</b>	<b>36</b>
<b>Influenza</b>	Flu Like Disease*	2,341	8,071	11,396	<b>4,741</b>	4,730	5,939	6,214	4,741
	Influenza	-	-	3	<b>6</b>	1	-	5	6
	Influenza, 2009 Novel*	-	-	-	-	-	-	-	-
	Influenza, Novel	-	-	-	-	56	-	-	-
	<b>Influenza Subtotal</b>	<b>2,341</b>	<b>8,071</b>	<b>11,399</b>	<b>4,747</b>	<b>4,787</b>	<b>5,939</b>	<b>6,219</b>	<b>4,747</b>
<b>Meningitis</b>	Meningitis - Aseptic	7	2	1	<b>1</b>	3	3	4	1
	Meningitis - Bacterial Other	1	-	-	-	1	-	1	-
	Meningococcal Disease	-	-	-	-	-	1	1	-
	Streptococcus pneumoniae, Inv	2	2	2	<b>4</b>	-	7	5	4
	<b>Meningitis Subtotal</b>	<b>10</b>	<b>4</b>	<b>3</b>	<b>5</b>	<b>4</b>	<b>11</b>	<b>11</b>	<b>5</b>
<b>Other</b>	Anthrax	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	-	-	-	-	-
	Botulism - Infant	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	-	-	-
	Cholera	-	-	-	-	-	-	-	-
	Coccidioidomycosis	-	-	-	<b>1</b>	-	-	-	1
	Creutzfeldt-Jakob Disease	1	-	-	-	-	-	-	-
	Cryptococcosis	-	-	-	-	-	-	-	-
	Cyclosporiasis	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	-	-	-	-	-
	Encephalitis, Primary	-	-	-	-	-	-	-	-
	Guillain-Barre Syndrome	1	-	2	<b>1</b>	-	-	1	1
	Hantavirus	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	1	-	-	-	-	-	-	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	-	-	-
	Histoplasmosis	1	20	3	<b>3</b>	1	-	2	3
	Kawasaki	-	-	-	-	-	-	-	-
	Legionellosis	2	-	-	-	-	1	-	-





Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q2 Cases by Year***			
		Q3-11	Q4-11	Q1-12	Q2-12	Q2-09	Q2-10	Q2-11	Q2-12
<b>Vectorborne</b>	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	2	4	1	2	2
	Malaria	1	1	-	-	-	-	-	-
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	3	1	1	2	4	1	2	2
<b>Viral Hepatitis</b>	Hepatitis A	-	-	-	-	1	1	-	-
	Hepatitis B, Acute	-	-	-	1	-	1	-	1
	Hepatitis B, Chronic	4	2	2	7	13	6	3	7
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	-	-	-	-
	Hepatitis C, Chronic	9	18	12	16	15	10	22	16
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	13	20	14	24	29	18	25	24
<b>Total</b>		2,438	8,178	11,489	4,861	4,883	6,038	6,309	4,861

\* 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=Jan-Mar, Q2=Apr-Jun, Q3=Jul-Sep Q4=Oct-Dec

**Counties: Ottawa**  
**Quarterly Summary of Reportable Diseases**  
**Q3**

Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q3 Cases by Year***			
		Q4-11	Q1-12	Q2-12	Q3-12	Q3-09	Q3-10	Q3-11	Q3-12
<b>Foodborne</b>	Amebiasis	-	-	-	1	1	5	-	1
	Botulism - Foodborne	-	-	-	-	-	-	-	-
	Campylobacter	12	20	18	17	13	19	19	17
	Cryptosporidiosis	2	1	1	7	2	5	5	7
	Escherichia coli O157:H7*	-	-	-	-	-	-	-	-
	Giardiasis	6	6	13	5	12	17	4	5
	Listeriosis	1	-	-	-	-	-	-	-
	Norovirus	6	6	-	5	-	1	-	5
	Salmonellosis	6	4	3	7	3	5	11	7
	Shiga toxin, E. Coli, Non O157*	-	-	-	-	-	-	-	-
	Shiga toxin, E. Coli, Unsp*	-	-	-	-	2	-	-	-
	Shiga toxin-producing Escherichia coli --(ST	-	2	-	1	-	1	2	1
	Shigellosis	-	-	1	1	3	1	4	1
	Typhoid Fever	-	-	-	-	-	-	-	-
	Yersinia enteritis	-	1	-	-	-	-	-	-
<b>Foodborne Subtotal</b>		33	40	36	44	36	54	45	44
<b>Influenza</b>	Flu Like Disease*	8,071	11,396	4,741	2,350	1,492	1,459	2,341	2,350
	Influenza	-	3	6	-	1	-	-	-
	Influenza, 2009 Novel*	-	-	-	-	-	-	-	-
	Influenza, Novel	-	-	-	-	4	-	-	-
	<b>Influenza Subtotal</b>	8,071	11,399	4,747	2,350	1,497	1,459	2,341	2,350
<b>Meningitis</b>	Meningitis - Aseptic	2	1	1	6	3	10	7	6
	Meningitis - Bacterial Other	-	-	-	1	1	-	1	1
	Meningococcal Disease	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Inv	2	2	4	1	5	2	2	1
	<b>Meningitis Subtotal</b>	4	3	5	8	9	12	10	8
<b>Other</b>	Anthrax	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	-	-	-	-	-
	Botulism - Infant	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	-	-	-
	Cholera	-	-	-	-	-	-	-	-
	Coccidioidomycosis	-	-	1	-	-	-	-	-
	Creutzfeldt-Jakob Disease	-	-	-	-	-	-	1	-
	Cryptococcosis	-	-	-	-	-	-	-	-
	Cyclosporiasis	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	1	-	-	-	1
	Encephalitis, Primary	-	-	-	-	-	-	-	-
	Guillain-Barre Syndrome	-	2	1	-	-	-	1	-
	Hantavirus	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	-	-	-	1	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	-	-	-
	Histoplasmosis	20	3	3	4	1	1	1	4
	Kawasaki	-	-	-	-	-	-	-	-
	Legionellosis	-	-	-	1	2	-	2	1



Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q3 Cases by Year***			
		Q4-11	Q1-12	Q2-12	Q3-12	Q3-09	Q3-10	Q3-11	Q3-12
<b>Vectorborne</b>	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	2	2	2	1	
Malaria	1	-	-	-	-	-	1	-	
Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	
Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	
West Nile Virus	-	-	-	1	-	1	-	1	
Yellow Fever	-	-	-	-	-	-	-	-	
Vectorborne Subtotal	1	1	2	2	2	3	3	2	
<b>Viral Hepatitis</b>	Hepatitis A	-	-	-	3	-	-	-	3
	Hepatitis B, Acute	-	-	1	-	-	-	-	-
	Hepatitis B, Chronic	2	2	7	5	9	5	4	5
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	-	1	-	-
	Hepatitis C, Chronic	18	12	16	20	28	12	9	20
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
Viral Hepatitis Subtotal	20	14	24	28	37	18	13	28	
<b>Total</b>		8,178	11,489	4,861	<b>2,465</b>	1,598	1,569	2,438	2,465

\* 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=Jan-Mar, Q2=Apr-Jun, Q3=Jul-Sep Q4=Oct-Dec

**Counties: Ottawa**  
**Quarterly Summary of Reportable Diseases**  
**Q4**

Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q4 Cases by Year***			
		Q1-12	Q2-12	Q3-12	Q4-12	Q4-09	Q4-10	Q4-11	Q4-12
<b>Foodborne</b>	Amebiasis	-	-	1	-	-	-	-	-
	Botulism - Foodborne	-	-	-	-	-	-	-	-
	Campylobacter	20	18	17	<b>13</b>	4	20	12	13
	Cryptosporidiosis	1	1	7	<b>4</b>	-	1	2	4
	Escherichia coli O157:H7*	-	-	-	-	-	-	-	-
	Giardiasis	6	13	5	<b>3</b>	9	6	6	3
	Listeriosis	-	-	-	-	-	-	1	-
	Norovirus	6	-	5	<b>1</b>	-	-	6	1
	Salmonellosis	4	3	7	<b>4</b>	6	6	6	4
	Shiga toxin, E. Coli, Non O157*	-	-	-	-	-	-	-	-
	Shiga toxin, E. Coli, Unsp*	-	-	-	-	-	-	-	-
	Shiga toxin-producing Escherichia coli --(STEC)	2	-	1	<b>5</b>	-	1	-	5
	Shigellosis	-	1	1	-	-	-	-	-
	Typhoid Fever	-	-	-	-	-	-	-	-
	Yersinia enteritis	1	-	-	-	-	-	-	-
<b>Foodborne Subtotal</b>		40	36	44	<b>30</b>	19	34	33	30
<b>Influenza</b>	Flu Like Disease*	11,396	4,741	2,350	<b>12,616</b>	14,492	10,094	8,071	12,616
	Influenza	3	6	-	<b>19</b>	65	-	-	19
	Influenza, 2009 Novel*	-	-	-	-	67	-	-	-
	Influenza, Novel	-	-	-	-	-	-	-	-
	<b>Influenza Subtotal</b>	11,399	4,747	2,350	<b>12,635</b>	14,624	10,094	8,071	12,635
<b>Meningitis</b>	Meningitis - Aseptic	1	1	6	<b>3</b>	7	3	2	3
	Meningitis - Bacterial Other	-	-	1	<b>1</b>	-	-	-	1
	Meningococcal Disease	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Inv	2	4	1	<b>5</b>	8	6	2	5
	<b>Meningitis Subtotal</b>	3	5	8	<b>9</b>	15	9	4	9
<b>Other</b>	Anthrax	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	<b>1</b>	-	-	-	1
	Botulism - Infant	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	-	-	-
	Cholera	-	-	-	-	-	-	-	-
	Coccidioidomycosis	-	1	-	<b>1</b>	1	-	-	1
	Creutzfeldt-Jakob Disease	-	-	-	-	-	-	-	-
	Cryptococcosis	-	-	-	-	1	-	-	-
	Cyclosporiasis	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	1	-	-	-	-	-
	Encephalitis, Primary	-	-	-	-	-	-	-	-
	Guillain-Barre Syndrome	2	1	-	-	2	-	-	-
	Hantavirus	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	<b>1</b>	-	-	-	1
	Hemorrhagic Fever	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	-	-	-
	Histoplasmosis	3	3	4	<b>1</b>	2	4	20	1
	Kawasaki	-	-	-	-	-	1	-	-
	Legionellosis	-	-	1	<b>1</b>	1	1	-	1



Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q4 Cases by Year***			
		Q1-12	Q2-12	Q3-12	Q4-12	Q4-09	Q4-10	Q4-11	Q4-12
<b>Vectorborne</b>	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	-	-	-	-	-
	Malaria	-	-	-	-	-	-	1	-
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	1	-	-	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	1	2	2	-	-	-	1	-
<b>Viral Hepatitis</b>	Hepatitis A	-	-	3	-	-	-	-	-
	Hepatitis B, Acute	-	1	-	-	-	-	-	-
	Hepatitis B, Chronic	2	7	5	10	9	5	2	10
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	1	-	-	-	1
	Hepatitis C, Chronic	12	16	20	13	24	12	18	13
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	1	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	14	24	28	24	34	17	20	24
<b>Total</b>		11,489	4,861	2,465	12,726	14,713	10,180	8,178	12,726

\* 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=Jan-Mar, Q2=Apr-Jun, Q3=Jul-Sep Q4=Oct-Dec



Ottawa County  
Health Department  
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## Year End Reportable Disease Summary 2012

The data in the Year End Reportable Disease Summary 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. The Year End Reportable Disease Summary reflects this constant activity as the numbers may slightly fluctuate each year. Therefore, it should be kept in mind that numbers in the Year End Reportable Disease Summary 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	Ottawa County Cases Reported**					Michigan Cases Reported				
		2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
<b>Foodborne</b>	Amebiasis	1	1	7	-	1	50	27	29	17	17
	Botulism - Foodborne	-	-	-	-	-	-	-	2	-	2
	Campylobacter	39	23	56	63	68	1,037	936	1,302	1,257	1,208
	Cryptosporidiosis	13	4	11	9	13	281	291	316	359	351
	Escherichia coli O157:H7*	1	-	-	-	-	153	61	-	-	-
	Giardiasis	25	31	50	15	27	596	675	691	552	538
	Listeriosis	1	-	-	1	-	20	28	33	37	23
	Norovirus	-	-	2	16	12	-	15	126	218	214
	Salmonellosis	20	26	19	23	18	946	952	938	855	1,001
	Shiga toxin, E. Coli, Non O157*	-	-	-	-	-	29	33	-	-	-
	Shiga toxin, E. Coli, Unsp*	1	4	-	-	-	34	44	-	-	-
	Shiga toxin-producing Escherichia coli --(STEC)	-	-	3	6	8	-	2	157	190	300
	Shigellosis	7	5	1	7	2	260	216	263	194	249
	Typhoid Fever	-	-	-	-	-	9	11	6	6	9
Yersinia enterocolitica	1	-	-	-	1	23	22	16	26	17	
<b>Foodborne Subtotal</b>	<b>109</b>	<b>94</b>	<b>149</b>	<b>140</b>	<b>150</b>	<b>3,438</b>	<b>3,313</b>	<b>3,879</b>	<b>3,711</b>	<b>3,929</b>	
<b>Influenza</b>	Flu Like Disease*	28,122	34,038	30,761	32,604	31,103	414,114	702,654	382,000	409,457	389,482
	Influenza	17	127	-	23	28	2,858	5,631	209	3,344	3,051
	Influenza, 2009 Novel*	-	67	2	-	-	-	9,893	516	-	-
	Influenza, Novel	-	60	-	-	-	-	1,514	1	-	12
<b>Influenza Subtotal</b>	<b>28,139</b>	<b>34,292</b>	<b>30,763</b>	<b>32,627</b>	<b>31,131</b>	<b>416,972</b>	<b>719,692</b>	<b>382,726</b>	<b>412,801</b>	<b>392,545</b>	
<b>Meningitis</b>	Meningitis - Aseptic	14	15	19	18	11	970	832	910	909	905
	Meningitis - Bacterial Other	3	5	1	2	2	273	342	145	112	136
	Meningococcal Disease	1	-	1	1	-	39	22	22	12	15
	Streptococcus pneumoniae, Inv	8	16	18	13	12	602	659	697	677	559
	<b>Meningitis Subtotal</b>	<b>26</b>	<b>36</b>	<b>39</b>	<b>34</b>	<b>25</b>	<b>1,884</b>	<b>1,855</b>	<b>1,774</b>	<b>1,710</b>	<b>1,615</b>
<b>Other</b>	Anthrax	-	-	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	-	1	26	17	12	13	13
	Botulism - Infant	-	-	-	-	-	-	-	-	-	2
	Botulism - Other	-	-	-	-	-	-	1	-	-	-
	Brucellosis	-	-	-	-	-	1	10	4	1	2
	Cholera	-	-	-	-	-	-	1	-	1	-
	Coccidioidomycosis	3	1	-	-	2	40	27	24	37	34
	Creutzfeldt-Jakob Disease	1	-	-	1	-	16	18	17	17	14
	Cryptococcosis	2	1	-	-	-	69	56	50	48	40
	Cyclosporiasis	-	-	-	-	-	1	3	6	7	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	1	1	-	2	1
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	-	1	10	12	11	23	21
	Encephalitis, Primary	-	1	-	-	-	25	10	20	24	21
	Guillain-Barre Syndrome	1	2	-	2	3	54	75	59	77	65
	Hantavirus	-	-	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	1	1	6	8	13	9	6
	Hemorrhagic Fever	-	-	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	3	1	2	4	2
	Histoplasmosis	-	6	7	26	11	93	62	89	153	170
	Kawasaki	1	1	2	-	-	74	73	77	74	56
	Legionellosis	1	3	2	2	2	181	180	197	195	186
	Leprosy	-	-	-	-	-	-	1	-	-	1
	Melioidosis	-	-	-	-	-	-	-	-	-	-
	Leptospirosis	-	-	-	-	-	1	-	-	1	-
	Plague	-	-	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	1	-	-
	Q Fever*	-	-	-	1	1	2	1	4	7	3
	Q Fever Acute	-	-	-	1	1	2	1	4	7	3
	Q Fever Chronic	-	-	-	-	-	-	-	3	1	-
	Rabies Human	-	-	-	-	-	-	1	-	-	-
Reye Syndrome	-	-	-	-	-	-	-	-	-	-	
Rheumatic Fever	-	-	-	-	-	4	2	6	1	2	
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	
Streptococcus pneumoniae, Drug Resistant	-	-	-	2	7	23	26	52	55	115	

Disease Group	Reportable Condition	Ottawa County Cases Reported**					Michigan Cases Reported				
		2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
<b>Other</b>	Streptococcal Dis, Inv, Grp A	2	1	3	8	10	192	160	180	294	227
	Streptococcal Toxic Shock	-	-	1	-	1	1	-	2	6	9
	Toxic Shock	-	2	-	-	1	10	7	10	5	7
	Trachoma	-	-	-	-	-	2	1	3	1	-
	Trichinosis	-	-	-	-	-	-	1	-	1	1
	Tularemia	-	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	-	3	2	9	10	7
	VISA	-	-	-	-	1	6	5	4	5	10
	VRSA	-	-	-	-	-	-	1	-	-	-
Other Subtotal	11	18	15	44	43	846	764	859	1,079	1,018	
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	1	2
	Chlamydia (Genital)	564	501	494	572	759	42,495	46,537	47,962	49,152	47,575
	Gonorrhea	101	58	79	66	72	16,107	14,560	13,195	12,822	12,578
	Granuloma Inguinale	-	-	-	-	-	-	1	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	1	-	-
	Syphilis - Congenital	-	-	-	-	-	12	10	2	3	18
	Syphilis - Early Latent	-	2	1	-	-	208	232	129	134	152
	Syphilis - Late Latent	2	-	-	-	-	109	110	152	172	125
	Syphilis - Late with Manifestations	1	-	1	-	-	19	36	14	23	13
	Syphilis - Latent of Unknown Duration	3	4	3	1	-	615	608	245	147	198
	Syphilis - Primary	-	-	-	1	-	86	85	60	91	67
	Syphilis - Secondary	2	-	3	3	-	179	206	192	197	228
STD Subtotal	673	565	581	643	831	59,830	62,385	61,952	62,742	60,956	
<b>Tuberculosis</b>	Tuberculosis	5	2	6	4	1	191	147	178	173	150
	Mycobacterium - Other	-	-	2	14	12	172	144	242	882	888
	Tuberculosis Subtotal	5	2	8	18	13	363	291	420	1,055	1,038
<b>VPD</b>	Chickenpox (Varicella)	114	60	44	23	23	2,847	1,887	1,439	1,031	971
	Diphtheria	-	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	1	-	-	3	2	30	25	36	78	84
	Measles	-	-	-	-	-	4	-	-	2	1
	Mumps	-	-	-	-	-	39	22	48	20	24
	Pertussis	5	31	46	38	54	347	900	1,577	669	847
	Polio	-	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-	-
	Shingles	-	-	1	3	5	102	140	193	205	308
	Tetanus	-	-	-	-	-	1	-	2	4	2
	VZ Infection, Unspecified	-	-	1	1	-	-	65	119	106	115
VPD Subtotal	120	91	92	68	84	3,370	3,039	3,414	2,115	2,352	
<b>Vectorborne</b>	Dengue Fever	-	-	-	-	-	11	6	9	6	9
	Ehrlichiosis*	-	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	6	2	4	2
	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	3	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-	-	1
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	2	1	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	3	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	1	-	2	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-	-
	Lyme Disease	2	6	3	4	4	92	103	96	105	98
	Malaria	-	-	-	2	-	17	32	34	35	26
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	3	5	2	4	3
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	1	-	-
	West Nile Virus	-	-	1	-	1	20	1	29	35	204
	Yellow Fever	-	-	-	-	-	-	-	-	-	-
Vectorborne Subtotal	2	6	4	6	5	147	153	180	190	343	
<b>Viral Hepatitis</b>	Hepatitis A	2	1	3	1	3	133	91	82	64	112
	Hepatitis B, Acute	3	-	1	-	1	168	169	133	96	79
	Hepatitis B, Chronic	25	38	27	16	24	1,953	1,835	1,585	1,345	1,409
	Hepatitis B, Perinatal	-	-	-	-	-	2	-	-	1	2
	Hepatitis C, Acute	2	-	1	1	1	177	41	56	35	79

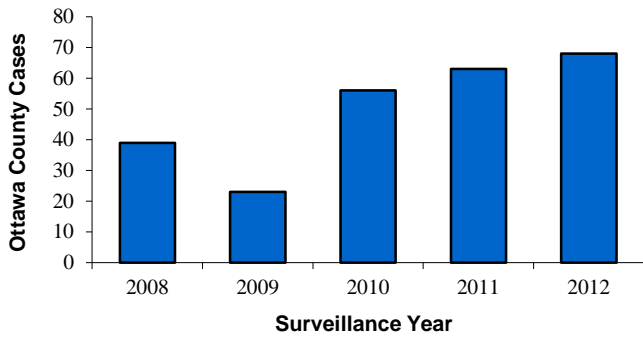
<b>Disease Group Reportable Condition</b>	<b>Ottawa County Cases Reported**</b>					<b>Michigan Cases Reported</b>				
	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
<b>Viral Hepatitis</b> Hepatitis C, Chronic	80	83	60	67	61	8,464	7,722	7,202	8,006	7,951
Hepatitis C, Unknown*	2	-	-	-	-	222	-	11	11	1
Hepatitis D	-	-	-	-	-	1	-	4	3	1
Hepatitis E	-	1	-	-	-	10	8	8	15	7
Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-	-
Viral Hepatitis Subtotal	114	123	92	85	90	#N/A	#N/A	#N/A	#N/A	#N/A
<b>Total</b>	<b>28,526</b>	<b>34,662</b>	<b>31,162</b>	<b>33,022</b>	<b>31,541</b>	<b>500,018</b>	<b>817,263</b>	<b>511,033</b>	<b>570,274</b>	<b>562,662</b>

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

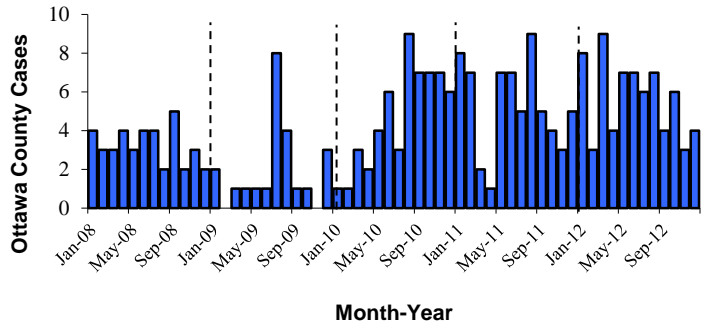
\*\* Data for cases reported is based on week case was referred to the health department

# Foodborne Illness:

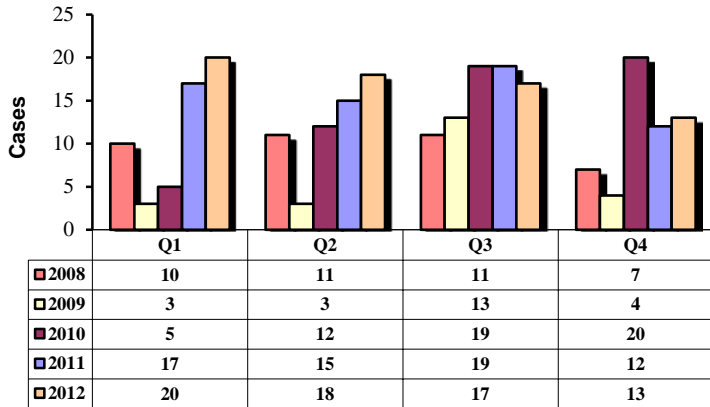
### Campylobacter Cases in Ottawa County Previous 5 Years



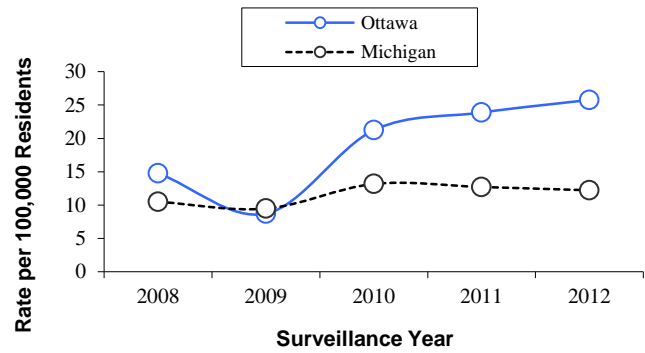
### Campylobacter Cases in Ottawa County by Month Previous 5 Years



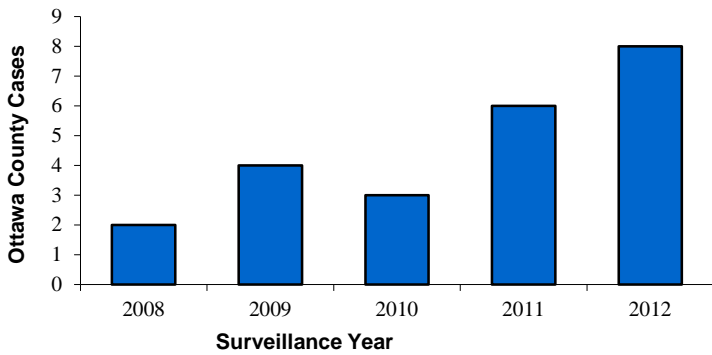
### Campylobacter cases in Ottawa County by Quarter Previous 5 Years



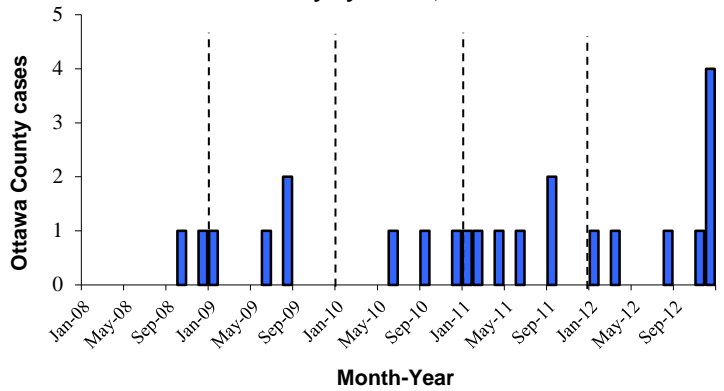
### Campylobacter Cases per 100,000



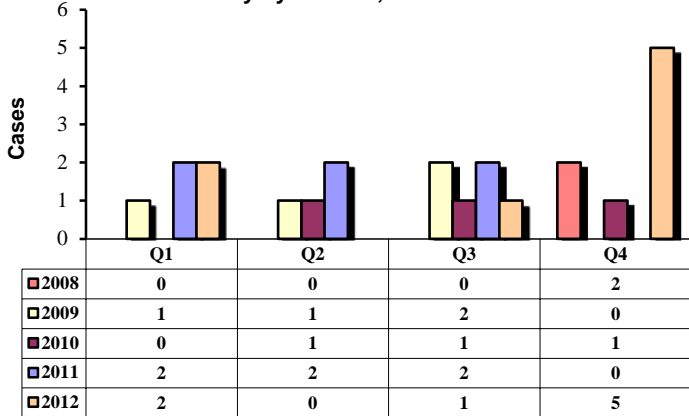
### Shiga toxin-producing Escherichia coli (STEC) Cases Ottawa County, Previous 5 Years



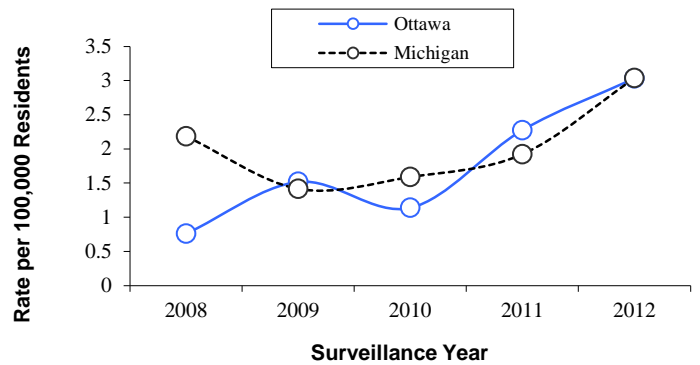
### Shiga toxin-producing Escherichia coli (STEC) Cases Ottawa County by Month, Previous 5 Years



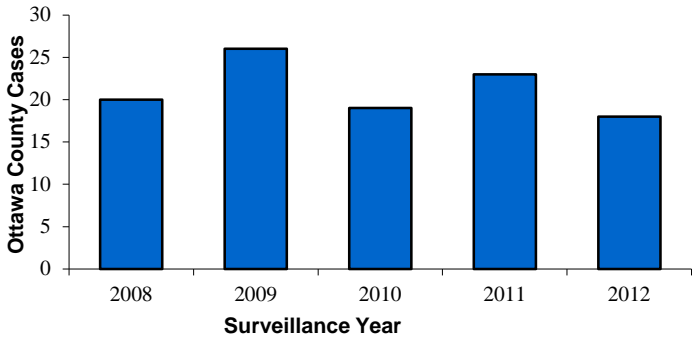
### Shiga toxin-producing Escherichia coli (STEC) Cases in Ottawa County by Quarter, Previous 5 Years



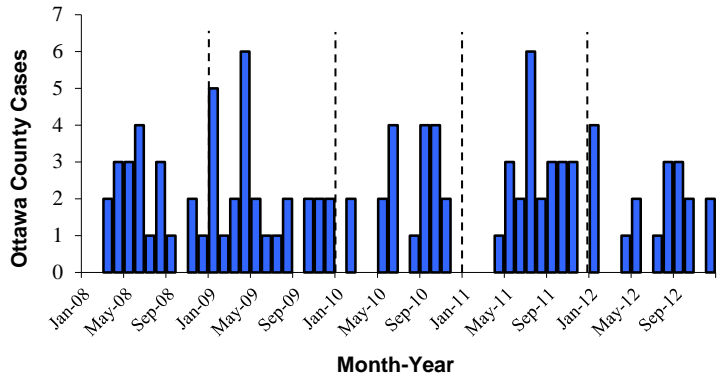
### Shiga toxin-producing Escherichia coli (STEC) Cases per 100,000



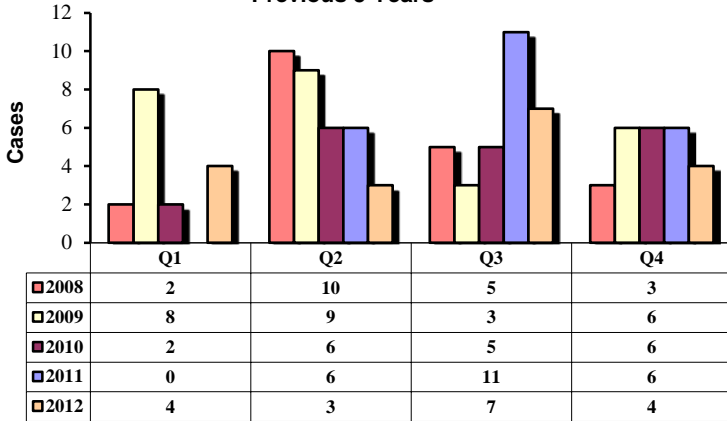
**Salmonella Cases in Ottawa County  
Previous 5 Years**



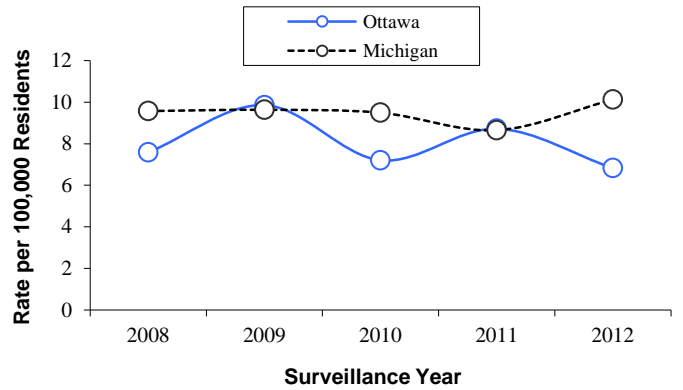
**Salmonella Cases in Ottawa County by Month  
Previous 5 Years**



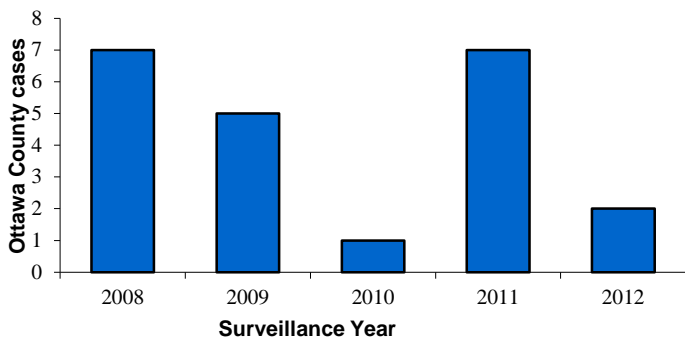
**Salmonella Cases in Ottawa County by Quarter  
Previous 5 Years**



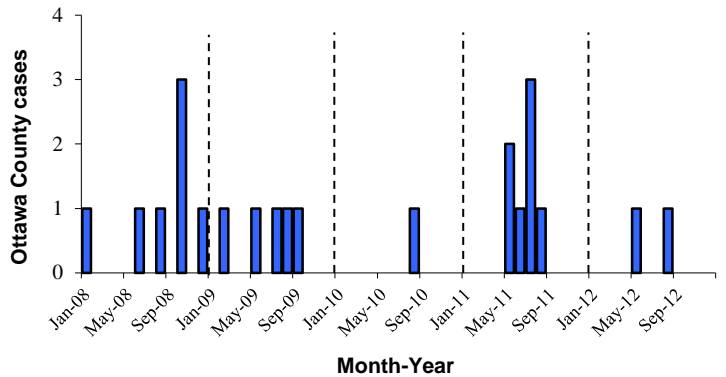
**Salmonella cases per 100,000**



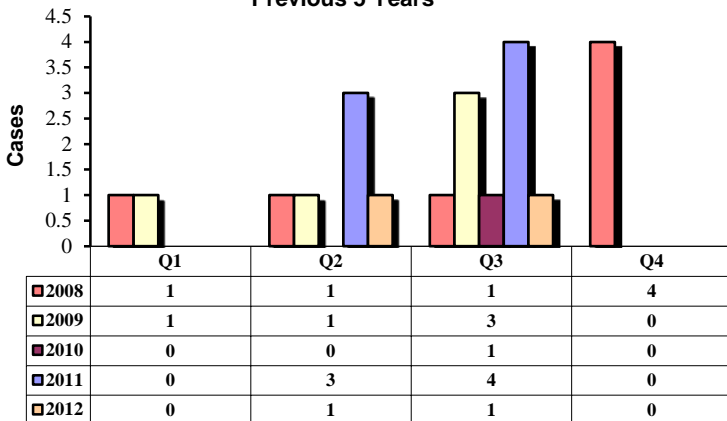
**Shigellosis Cases in Ottawa County  
Previous 5 Years**



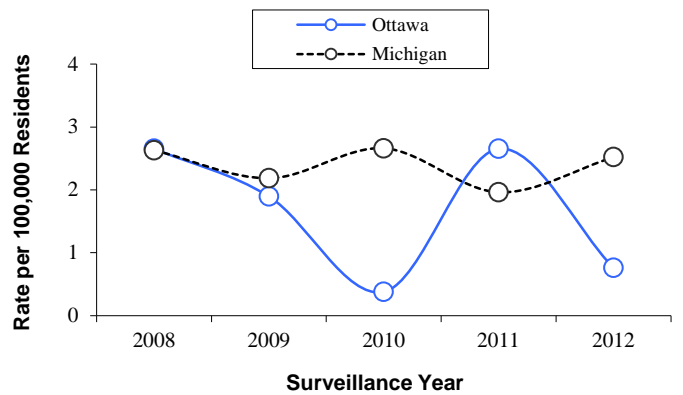
**Shigellosis Cases in Ottawa County by Month  
Previous 5 Years**



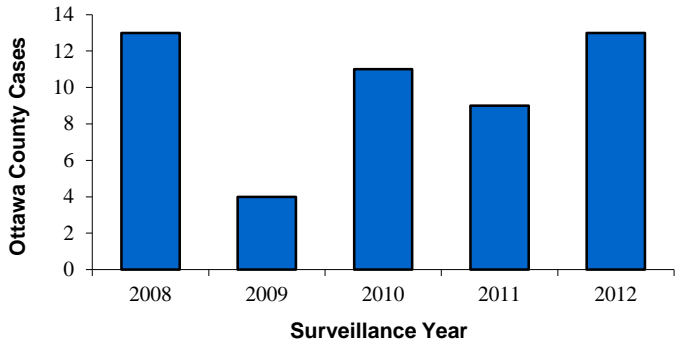
**Shigellosis Cases in Ottawa County by Quarter  
Previous 5 Years**



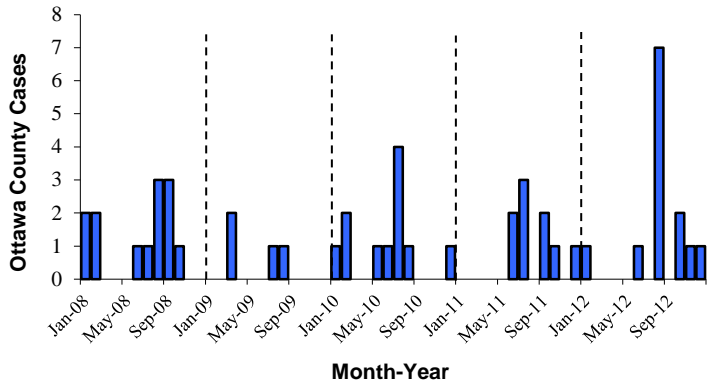
**Shigellosis cases per 100,000**



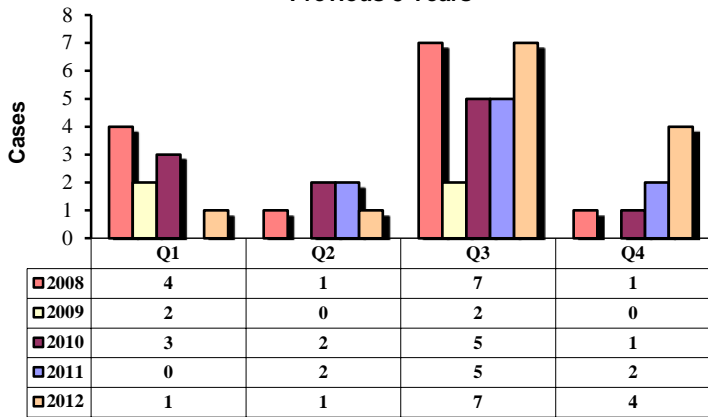
**Cryptosporidiosis Cases in Ottawa County Previous 5 Years**



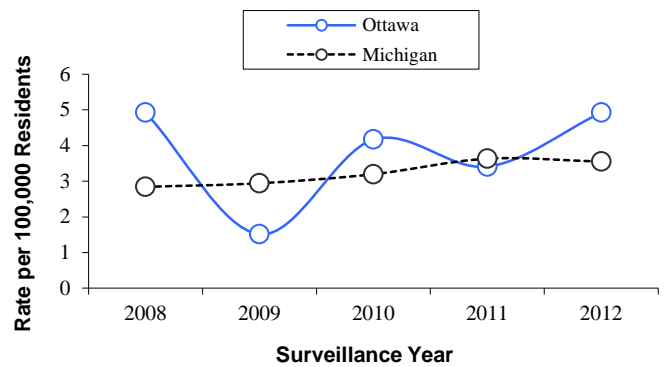
**Cryptosporidiosis Cases in Ottawa County by Month Previous 5 Years**



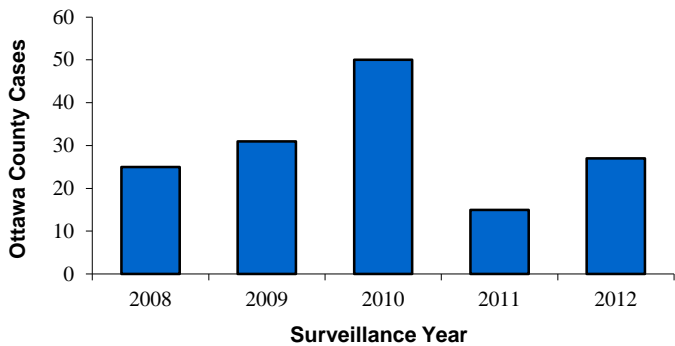
**Cryptosporidiosis Cases in Ottawa County by Quarter Previous 5 Years**



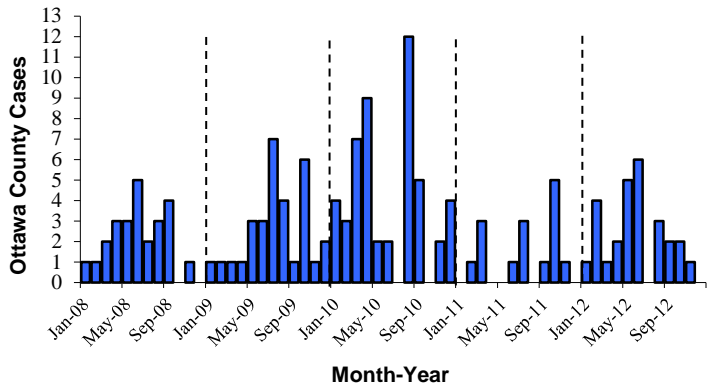
**Cryptosporidiosis Cases per 100,000**



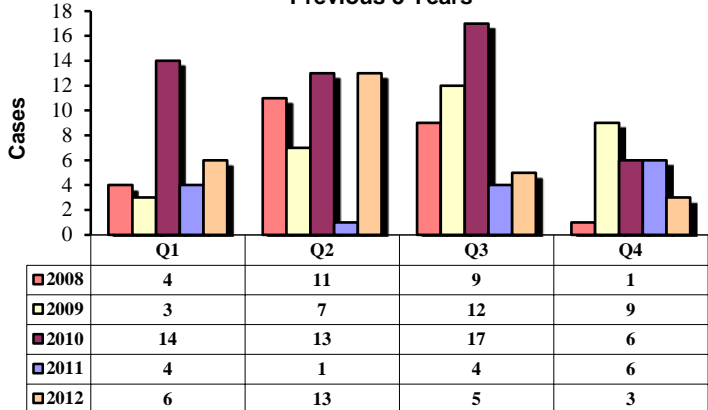
**Giardia Cases in Ottawa County Previous 5 Years**



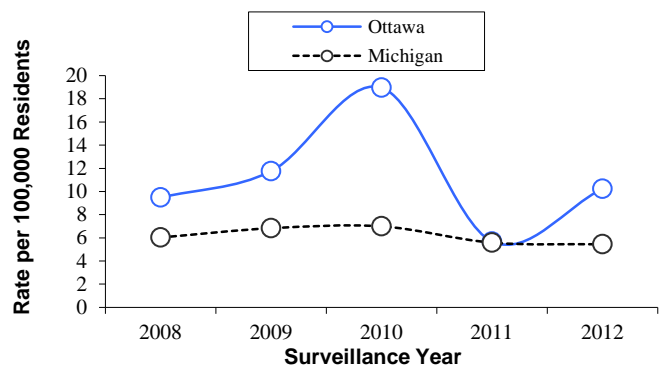
**Giardia Cases in Ottawa County by Month Previous 5 Years**



**Giardia Cases in Ottawa County by Quarter Previous 5 Years**

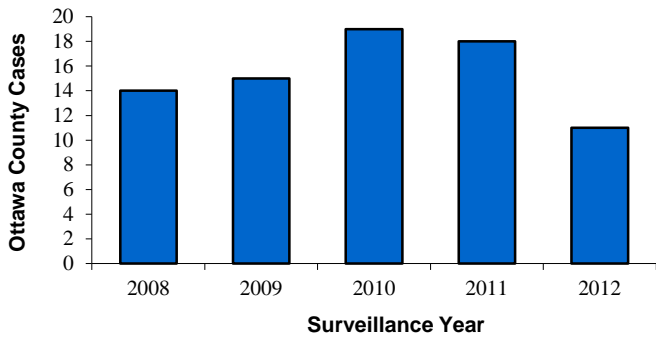


**Giardia Cases per 100,000**

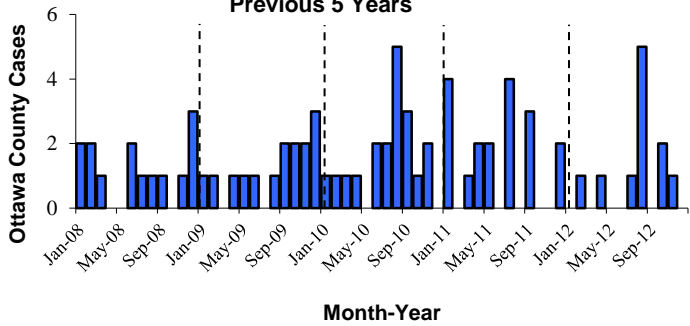


# Meningitis:

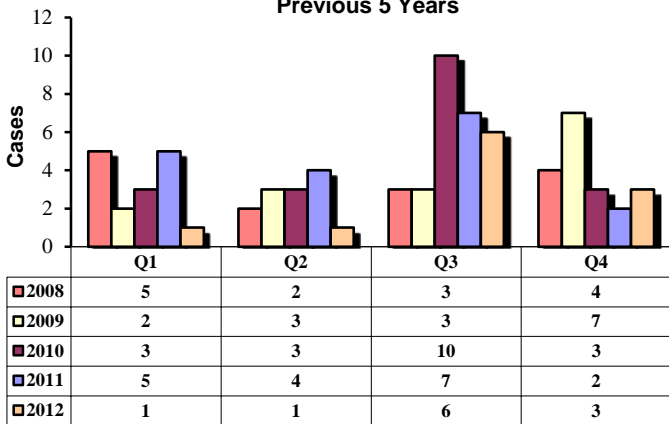
**Aseptic Meningitis Cases in Ottawa County Previous 5 Years**



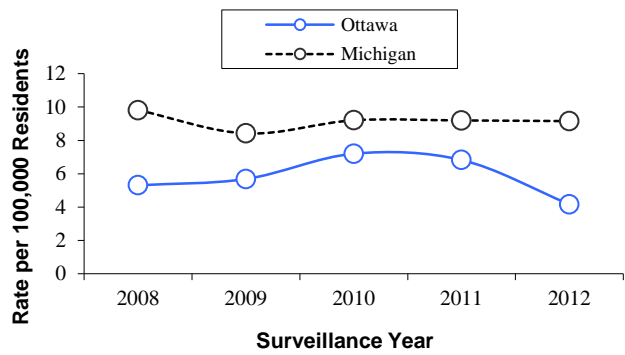
**Aseptic Meningitis Cases in Ottawa County by Month Previous 5 Years**



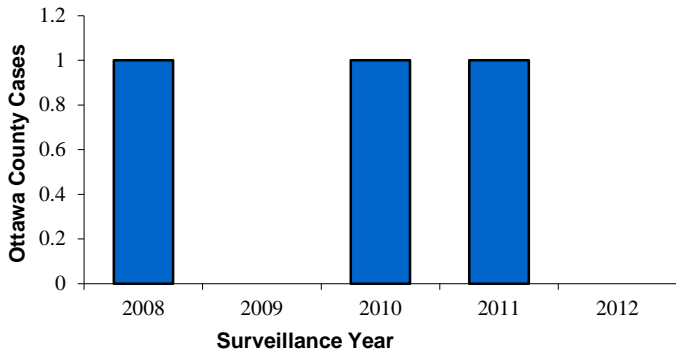
**Aseptic Meningitis Cases in Ottawa County by Quarter Previous 5 Years**



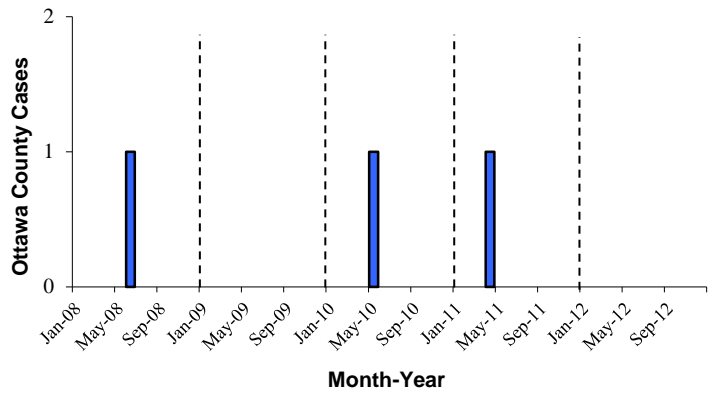
**Aseptic Meningitis Cases per 100,000**



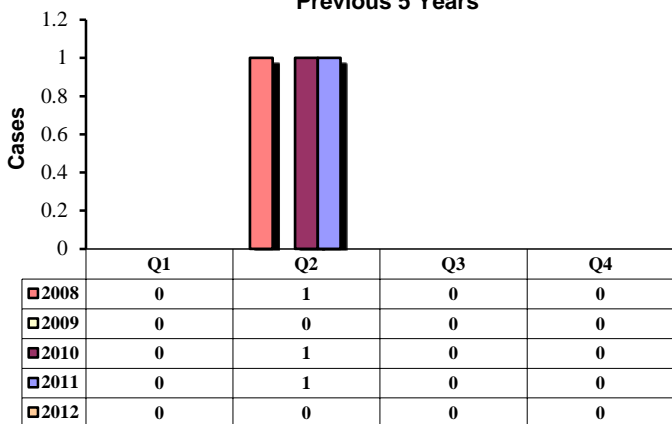
**Meningococcal Cases in Ottawa County Previous 5 Years**



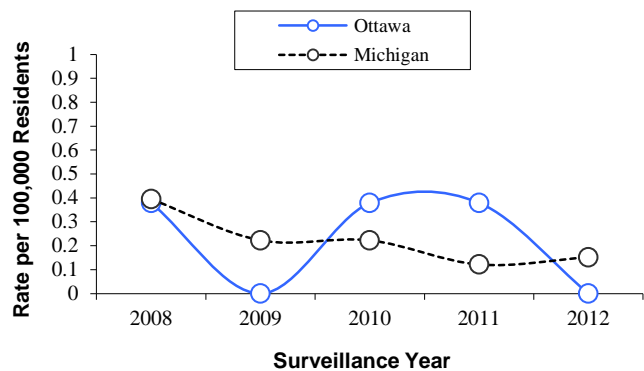
**Meningococcal Cases in Ottawa County by Month Previous 5 Years**



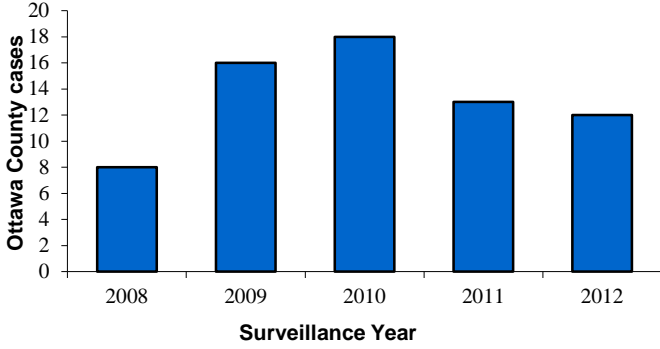
**Meningococcal Cases in Ottawa County by Quarter Previous 5 Years**



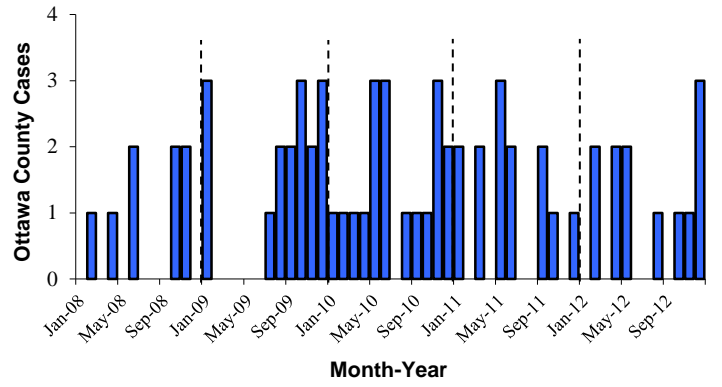
**Meningococcal Cases per 100,000**



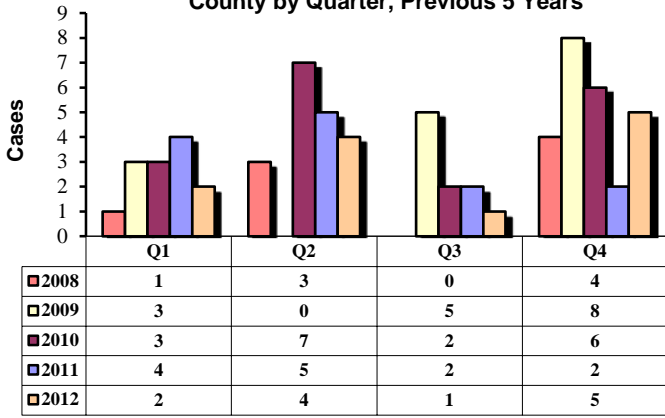
**Invasive *Streptococcus pneumoniae* Cases  
Ottawa County, Previous 5 Years**



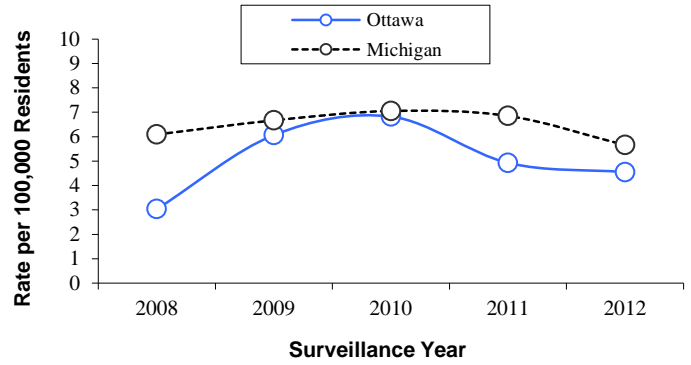
**Invasive *Streptococcus pneumoniae* Cases in Ottawa County by  
Month, Previous 5 Years**



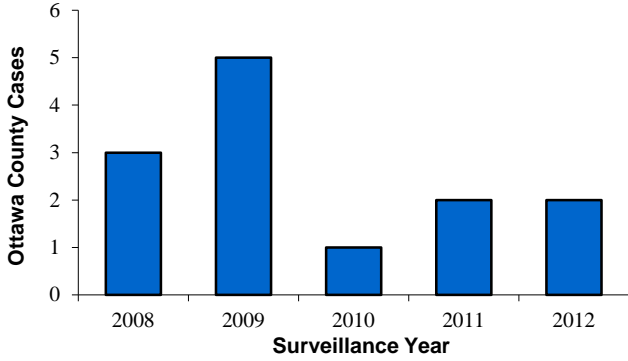
**Invasive *Streptococcus pneumoniae* Cases in Ottawa  
County by Quarter, Previous 5 Years**



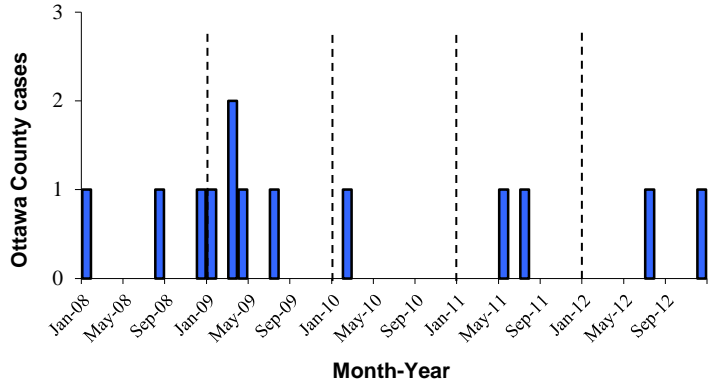
**Invasive *Streptococcus pneumoniae* Cases per 100,000**



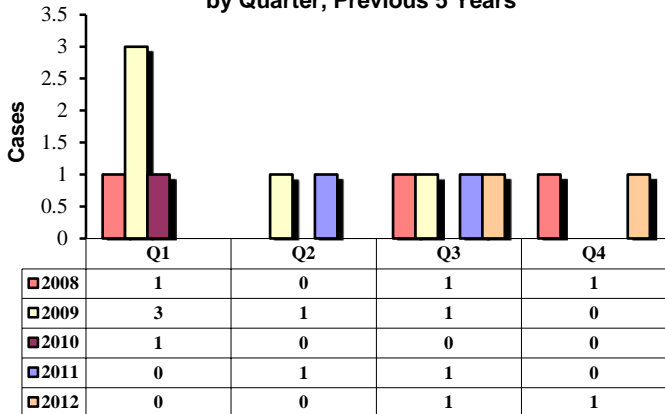
**Meningitis Bacterial, Other Cases in Ottawa County  
Previous 5 Years**



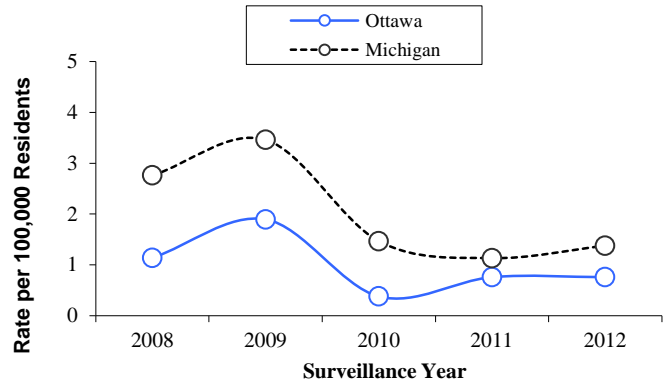
**Meningitis Bacterial, Other Cases in Ottawa County  
by Month, Previous 5 Years**



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



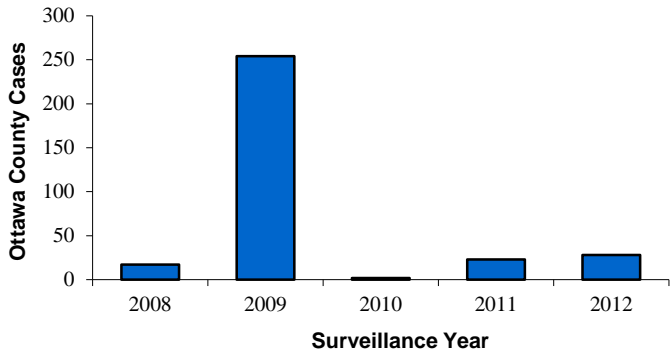
**Meningitis Bacterial, Other Cases per 100,000**



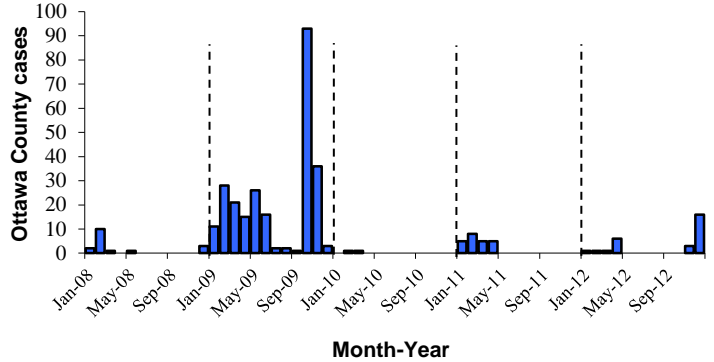


# Influenza:

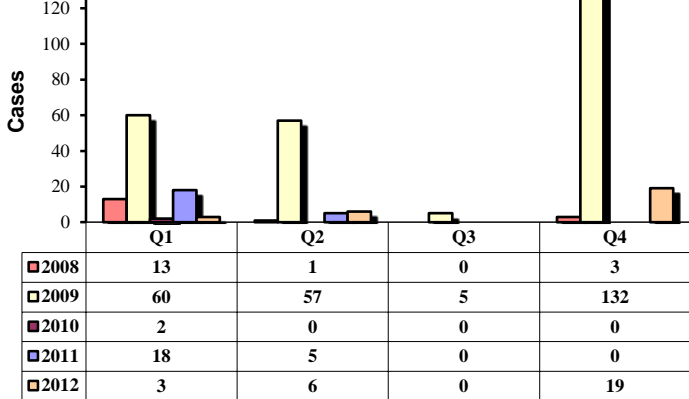
### Influenza Cases\* in Ottawa County Previous 5 Years



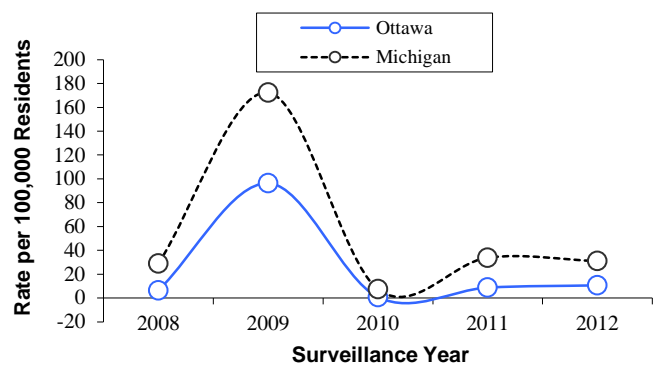
### Influenza Cases\* in Ottawa County by Month Previous 5 Years



### Influenza Cases\* in Ottawa County by Quarter Previous 5 Years

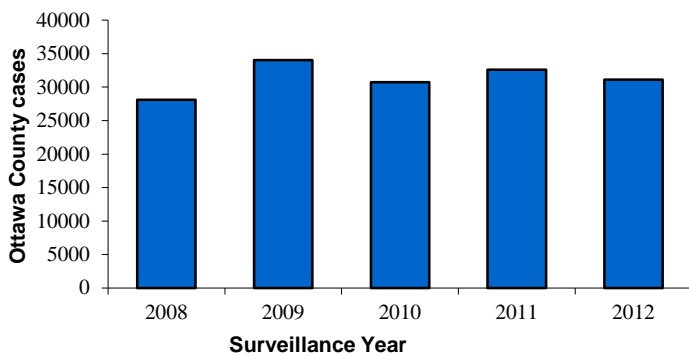


### Influenza Cases\* per 100,000

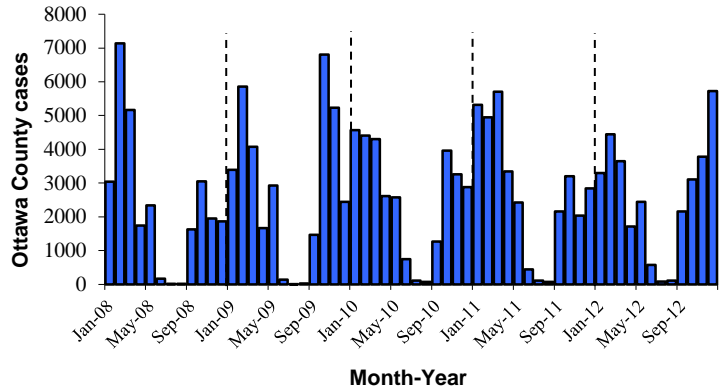


\*Includes reported cases of seasonal influenza, novel influenza, and 2009 pandemic H1N1 influenza A

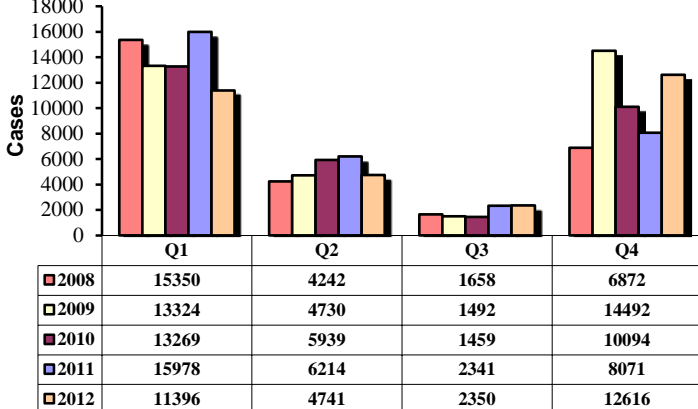
### Flu-like Disease Cases in Ottawa County Previous 5 Years



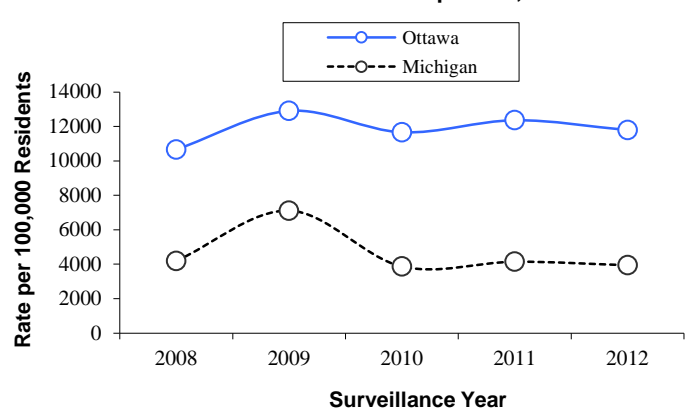
### Flu-like Disease Cases in Ottawa County by Month Previous 5 Years



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

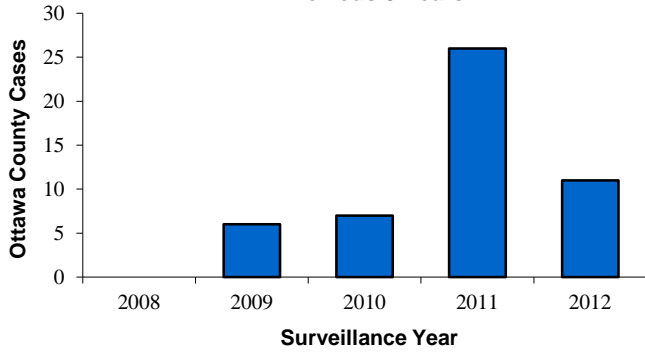


### Flu-like Disease Cases per 100,000

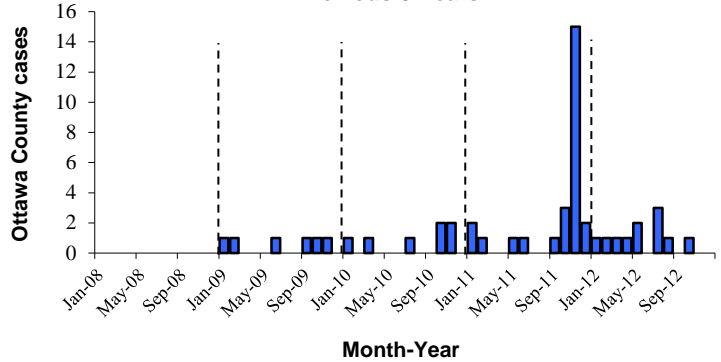


## Other Illnesses:

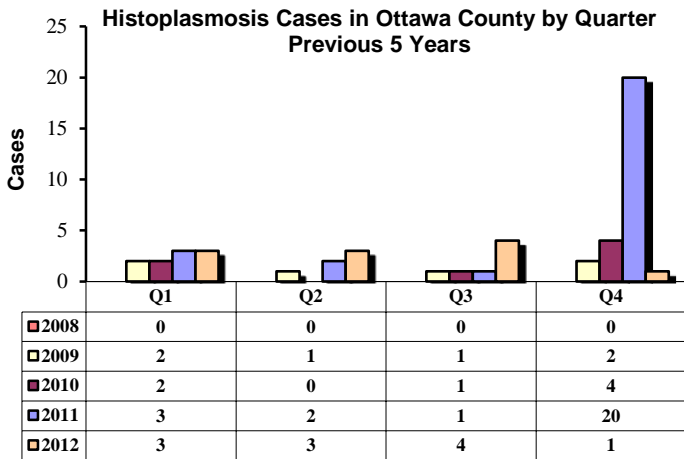
### Histoplasmosis Cases in Ottawa County Previous 5 Years



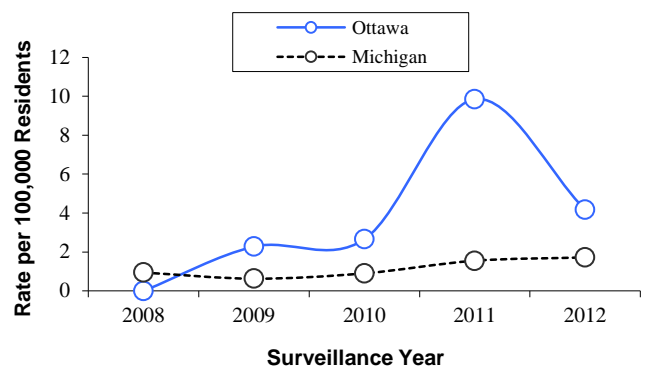
### Histoplasmosis Cases in Ottawa County by Month Previous 5 Years



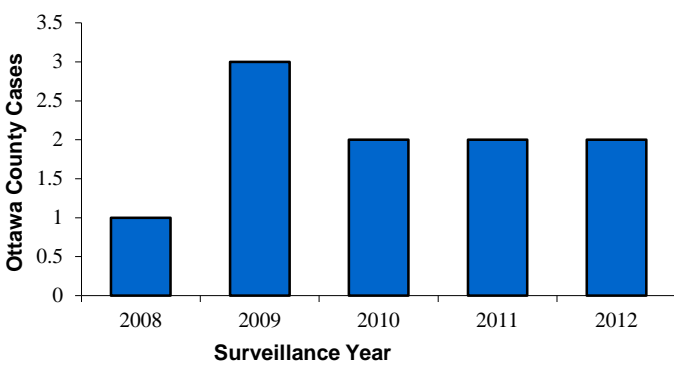
### Histoplasmosis Cases in Ottawa County by Quarter Previous 5 Years



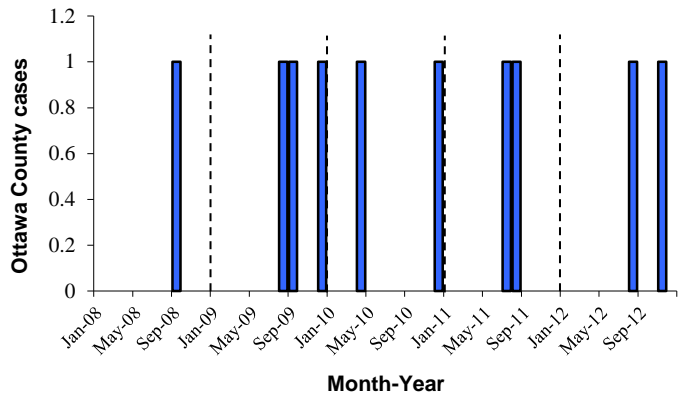
### Histoplasmosis Cases per 100,000



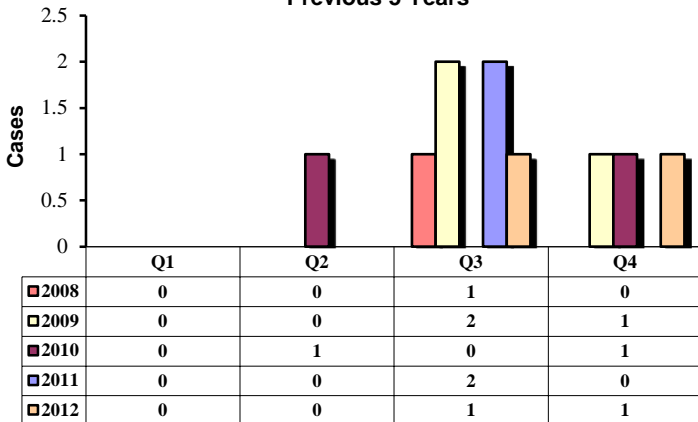
### Legionellosis Cases in Ottawa County Previous 5 Years



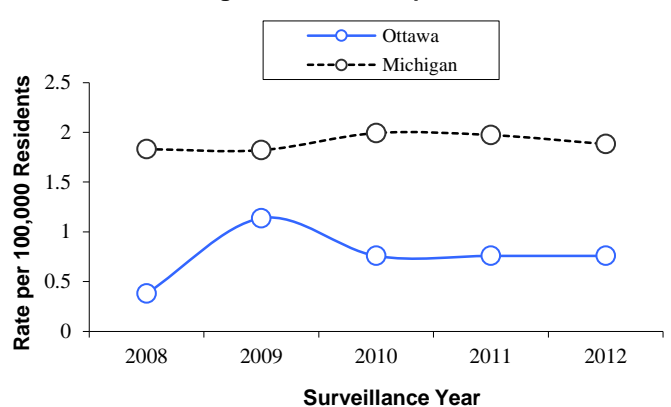
### Legionellosis Cases in Ottawa County by Month Previous 5 Years



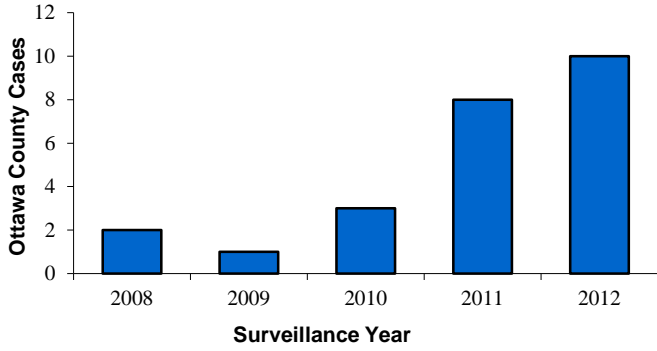
### Legionellosis Cases in Ottawa County by Quarter Previous 5 Years



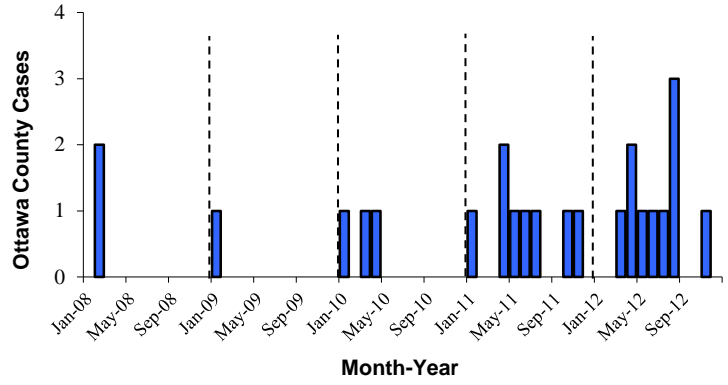
### Legionellosis cases per 100,000



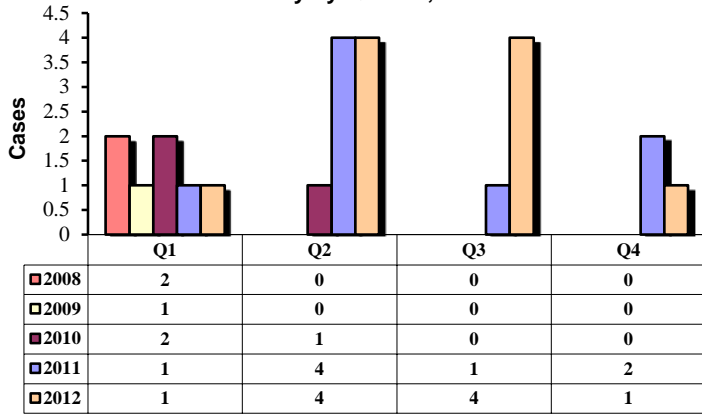
**Drug Resistant *Streptococcus pneumoniae* cases in Ottawa County, Previous 5 Years**



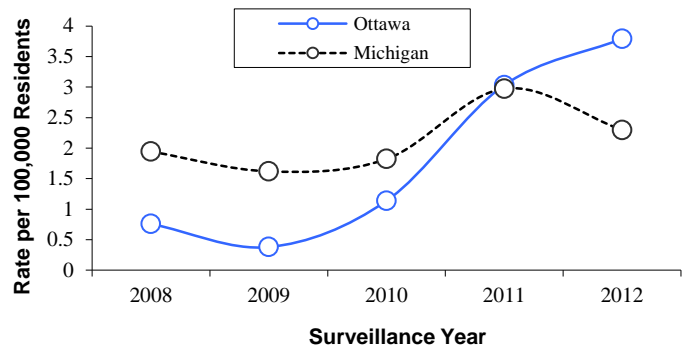
**Drug Resistant *Streptococcus pneumoniae* Cases in Ottawa County by Month, Previous 5 Years**



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

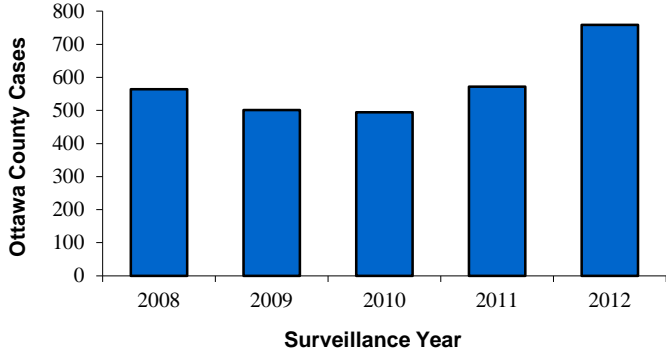


**Drug Resistant *Streptococcus pneumoniae* Cases per 100,000**

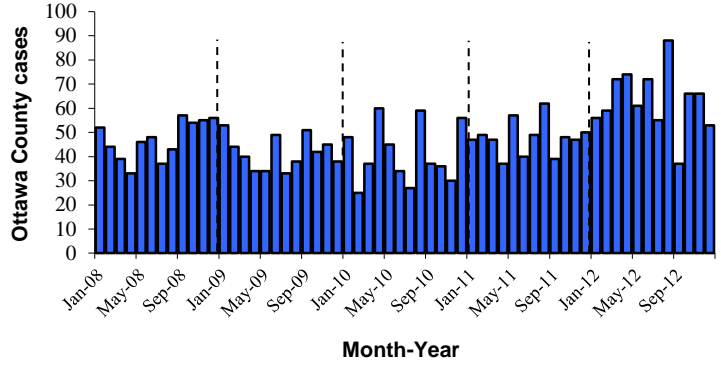


# Sexually Transmitted Diseases:

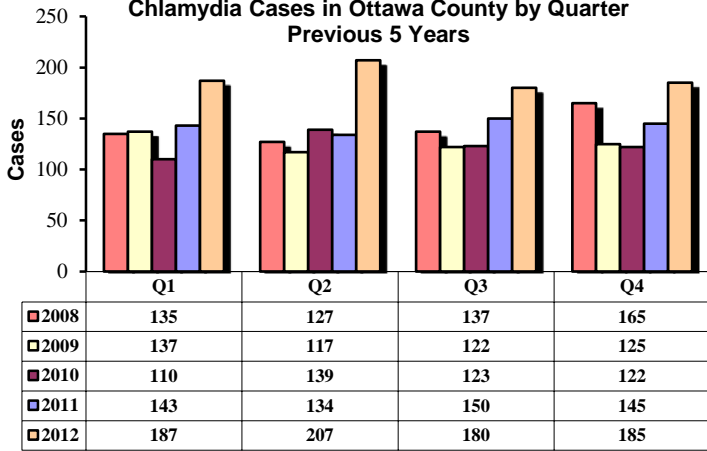
### Chlamydia Cases in Ottawa County Previous 5 Years



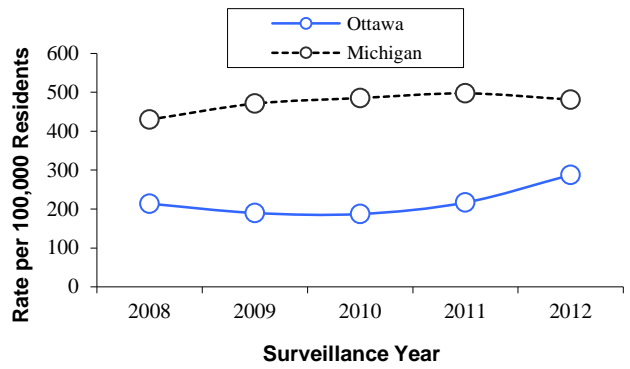
### Chlamydia Cases in Ottawa County by Month Previous 5 Years



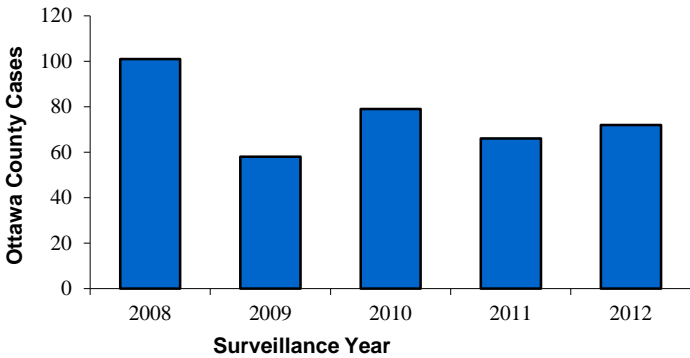
### Chlamydia Cases in Ottawa County by Quarter Previous 5 Years



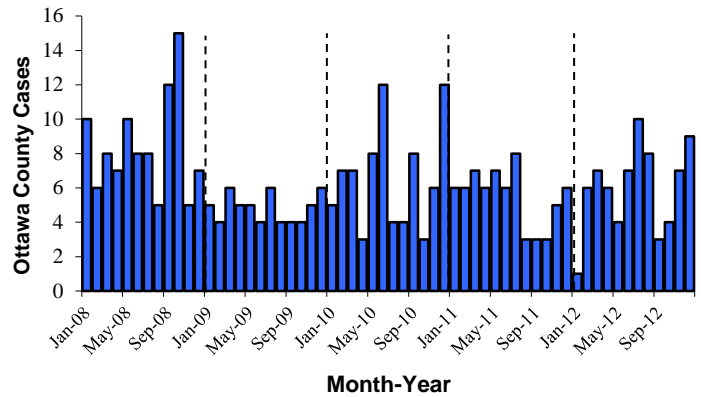
### Chlamydia Cases per 100,000



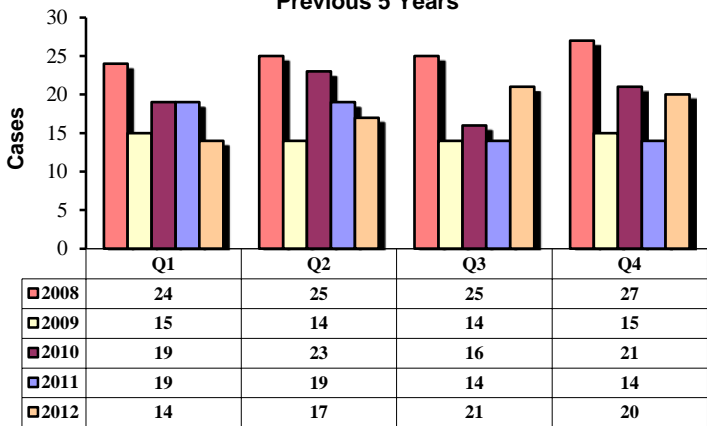
### Gonorrhea Cases in Ottawa County Previous 5 Years



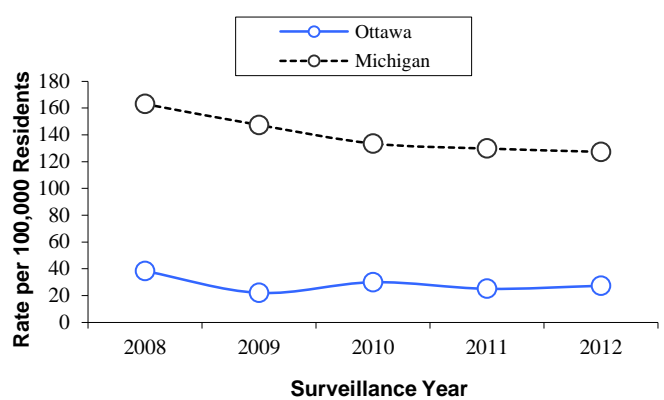
### Gonorrhea Cases in Ottawa County by Month Previous 5 Years



### Gonorrhea Cases in Ottawa County by Quarter Previous 5 Years

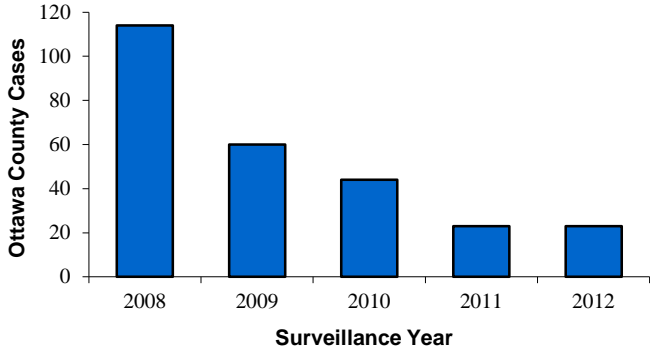


### Gonorrhea Cases per 100,000

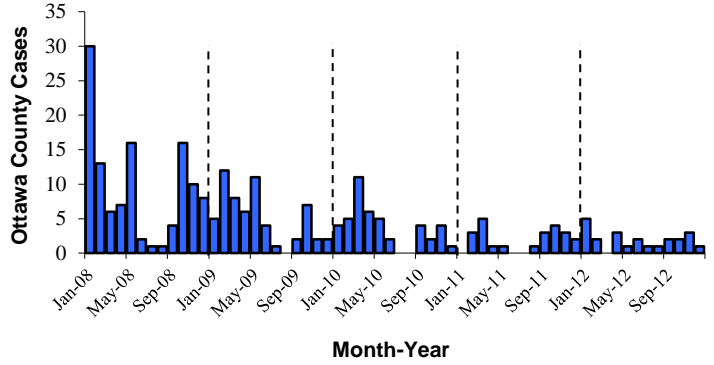


# Vaccine Preventable Diseases:

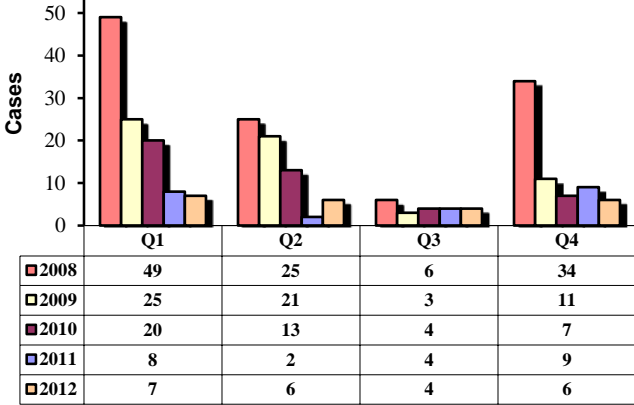
### Chickenpox Cases in Ottawa County Previous 5 Years



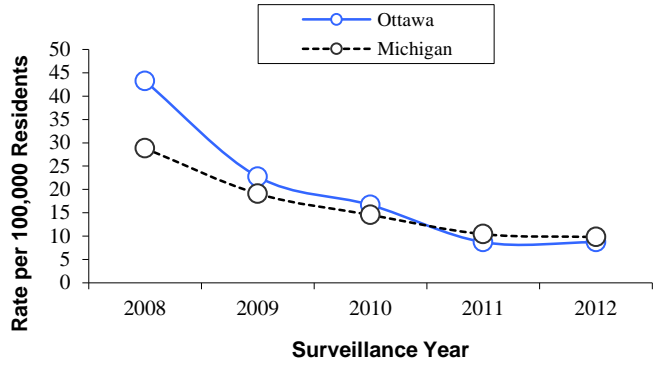
### Chickenpox Cases in Ottawa County by Month Previous 5 Years



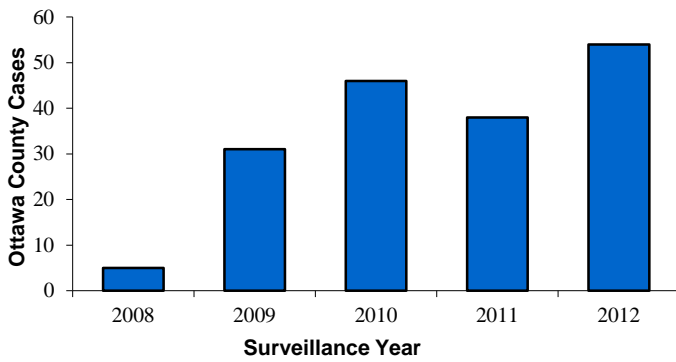
### Chickenpox Cases in Ottawa County by Quarter Previous 5 Years



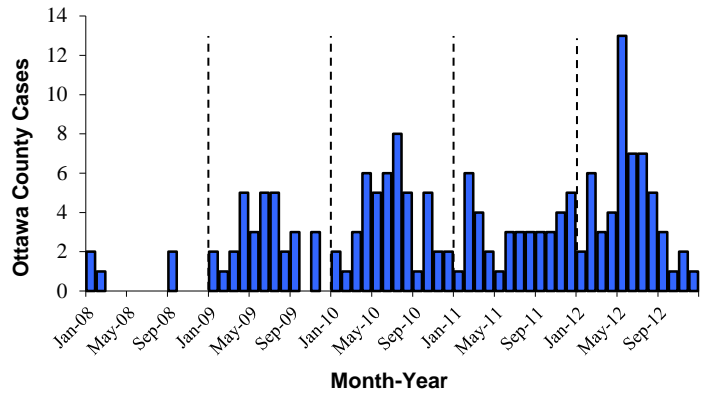
### Chickenpox Cases per 100,000



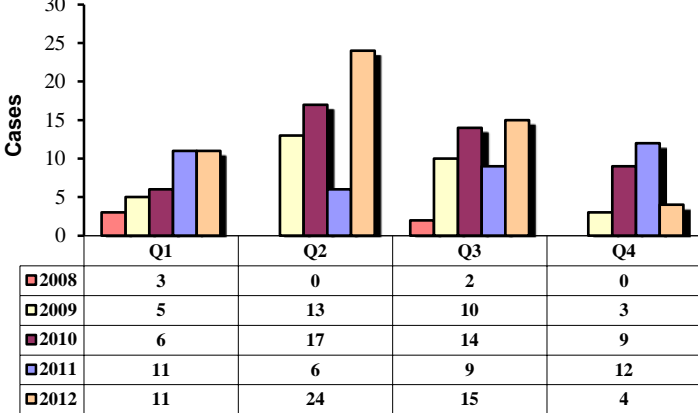
### Pertussis Cases in Ottawa County Previous 5 Years



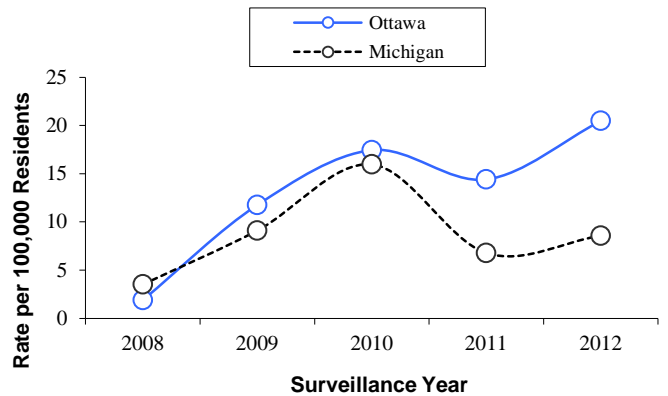
### Pertussis Cases in Ottawa County by Month Previous 5 Years



### Pertussis Cases in Ottawa County by Quarter Previous 5 Years

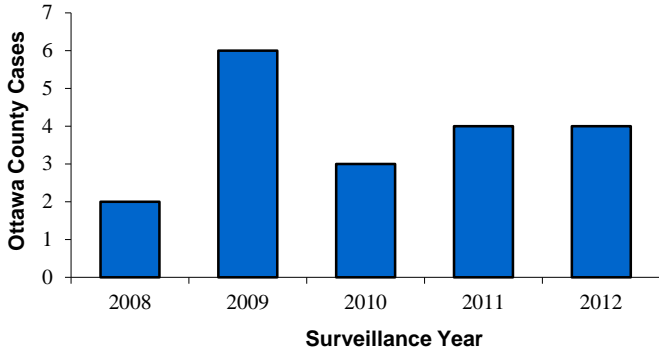


### Pertussis Cases per 100,000

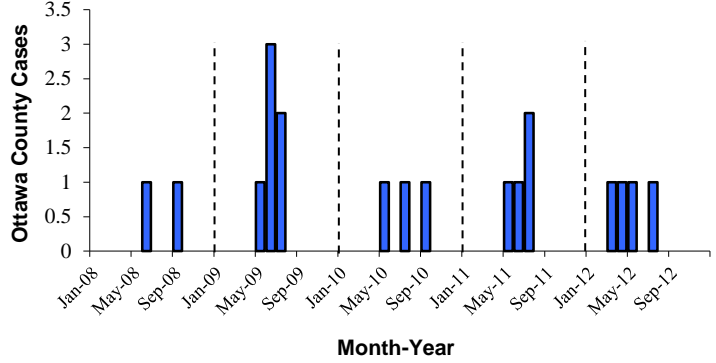


# Vectorborne Diseases:

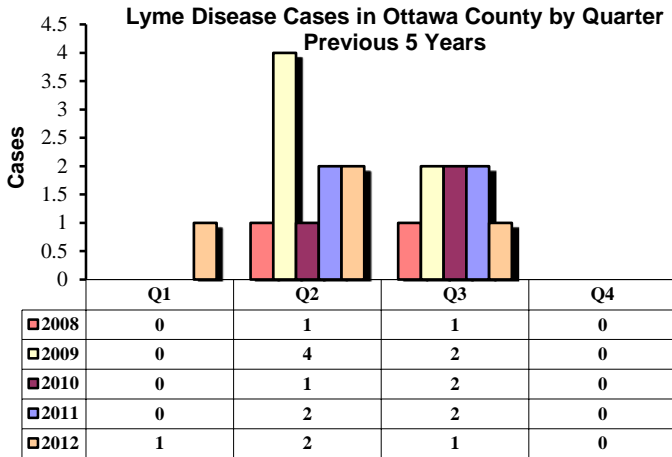
### Lyme Disease Cases in Ottawa County Previous 5 Years



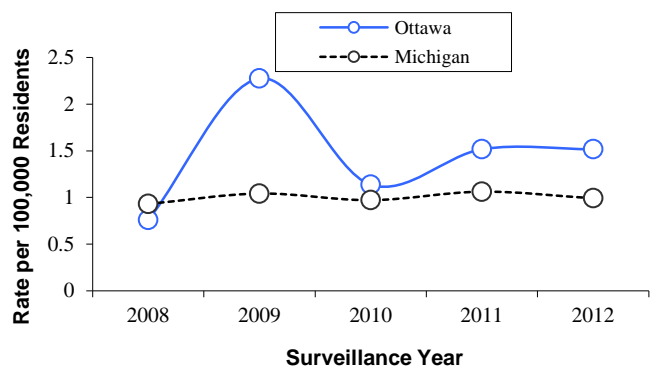
### Lyme Disease Cases in Ottawa County by Month Previous 5 Years



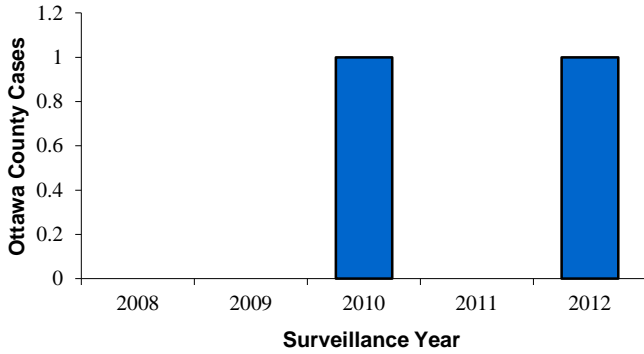
### Lyme Disease Cases in Ottawa County by Quarter Previous 5 Years



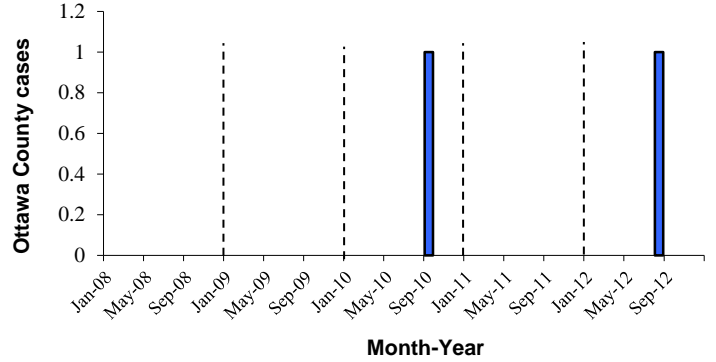
### Lyme Disease Cases per 100,000



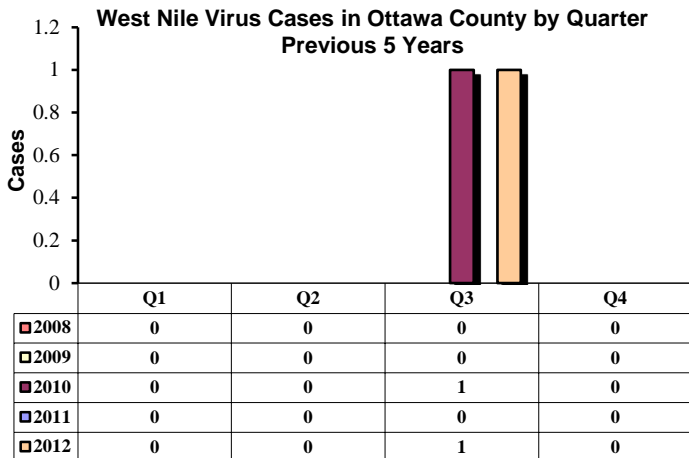
### West Nile Virus Cases in Ottawa County Previous 5 Years



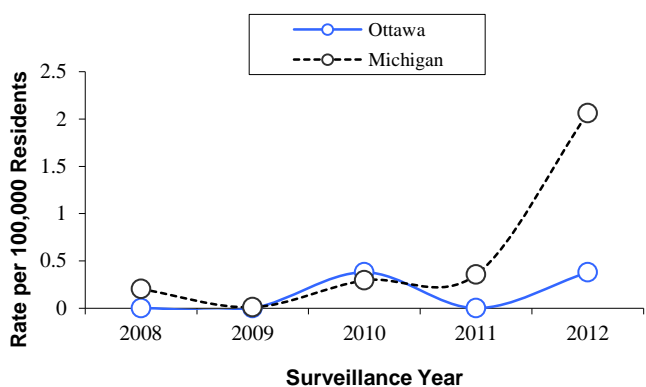
### West Nile Virus Cases in Ottawa County by Month Previous 5 Years



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

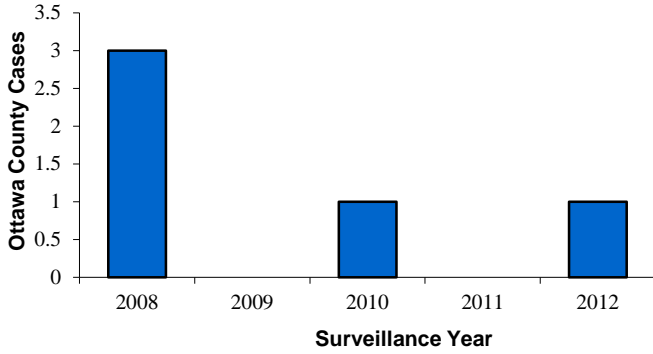


### West Nile Virus Cases per 100,000

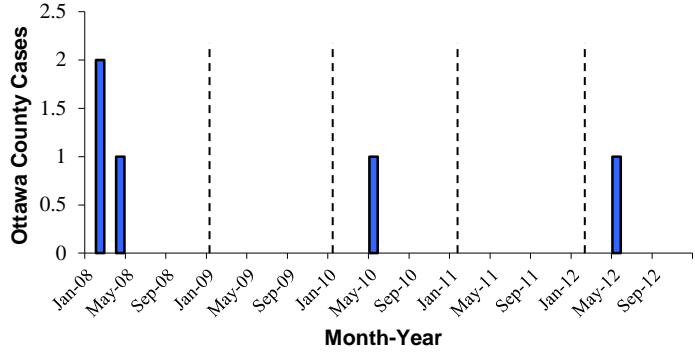


# Viral Hepatitis:

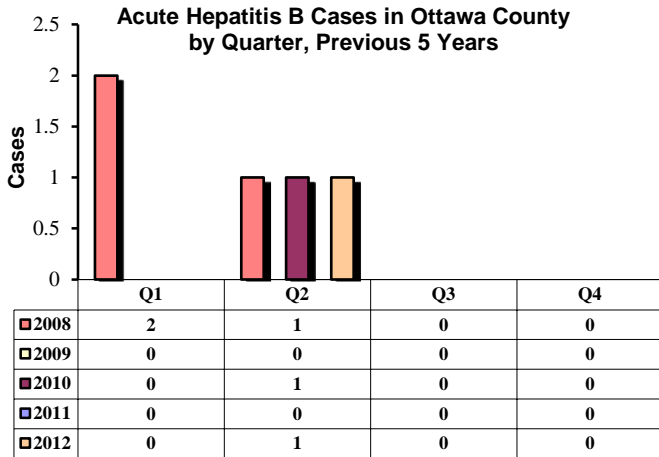
### Hepatitis B Acute Cases in Ottawa County Previous 5 Years



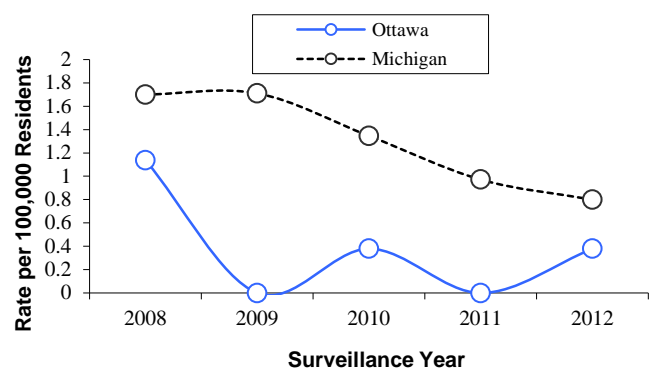
### Acute Hepatitis B Cases in Ottawa County by Month, Previous 5 Years



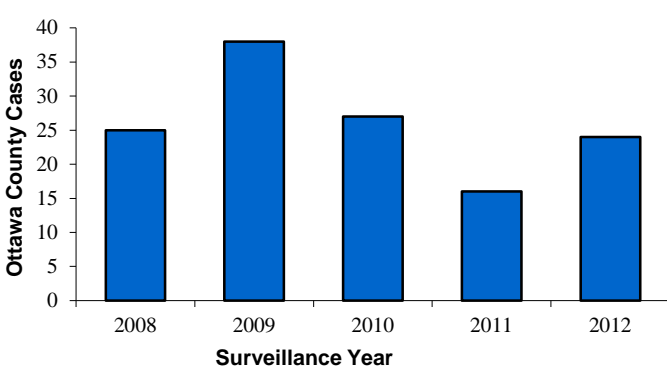
### Acute Hepatitis B Cases in Ottawa County by Quarter, Previous 5 Years



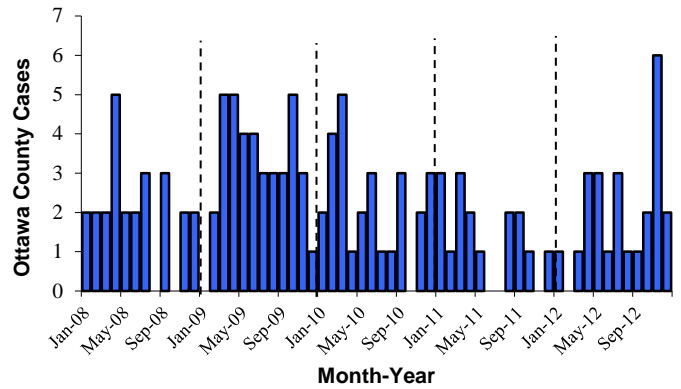
### Acute Hepatitis B Cases per 100,000



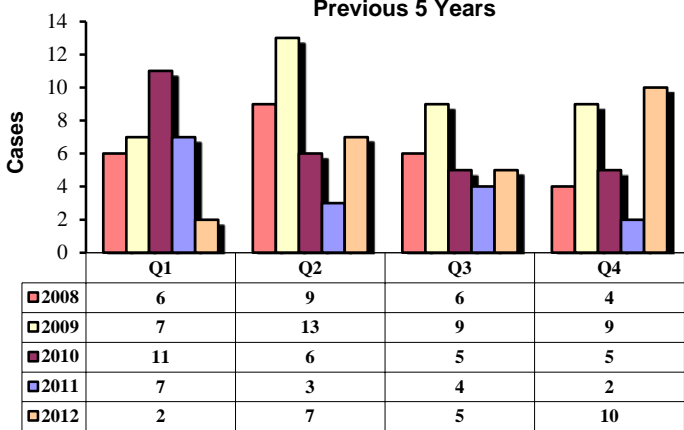
### Chronic Hepatitis B Cases in Ottawa County Previous 5 Years



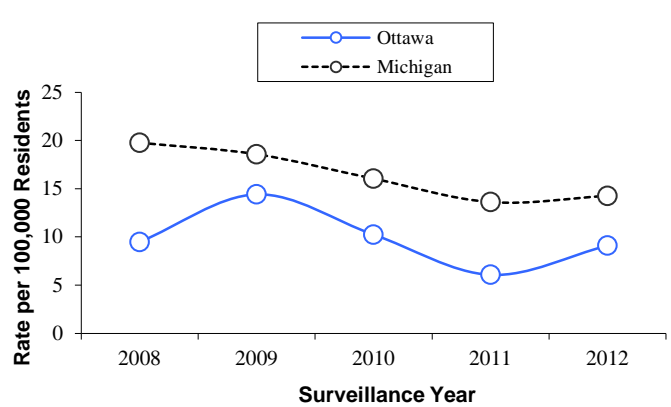
### Chronic Hepatitis B Cases in Ottawa County by Month Previous 5 Years



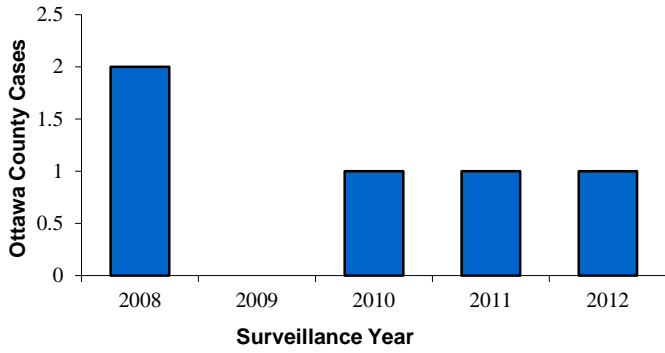
### Chronic Hepatitis B Cases in Ottawa County by Quarter Previous 5 Years



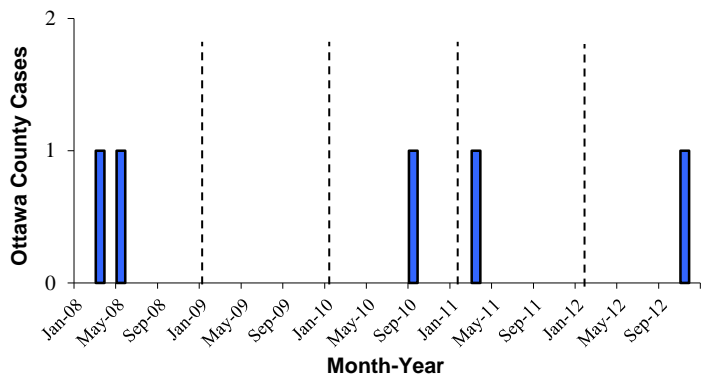
### Chronic Hepatitis B Cases per 100,000



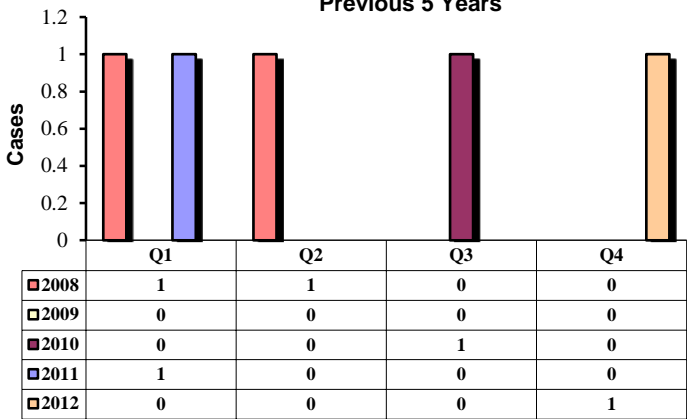
**Acute Hepatitis C Cases in Ottawa County Previous 5 Years**



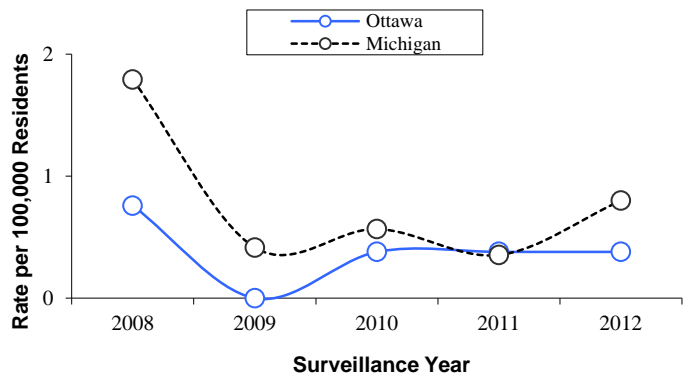
**Acute Hepatitis C Cases in Ottawa County by Month Previous 5 Years**



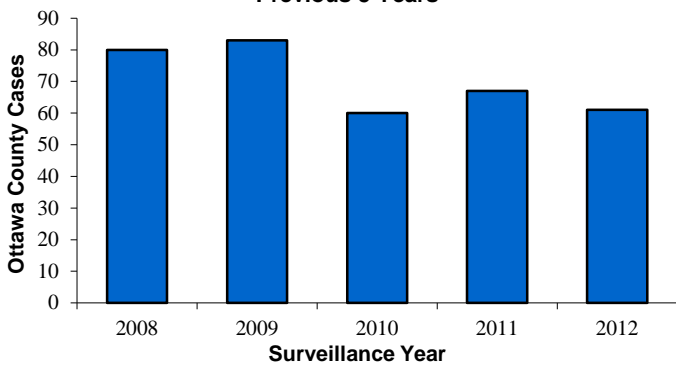
**Acute Hepatitis C Cases in Ottawa County by Quarter Previous 5 Years**



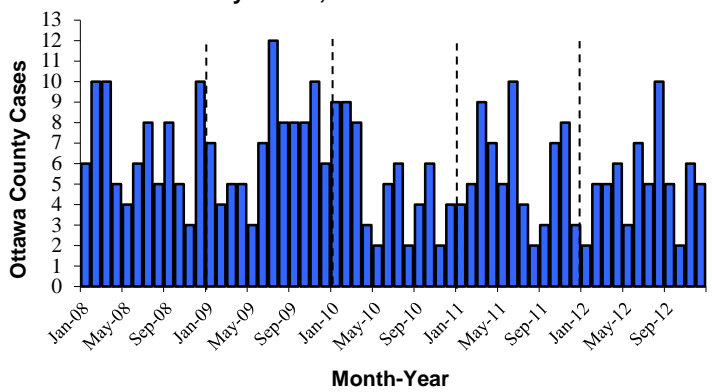
**Acute Hepatitis C Cases per 100,000**



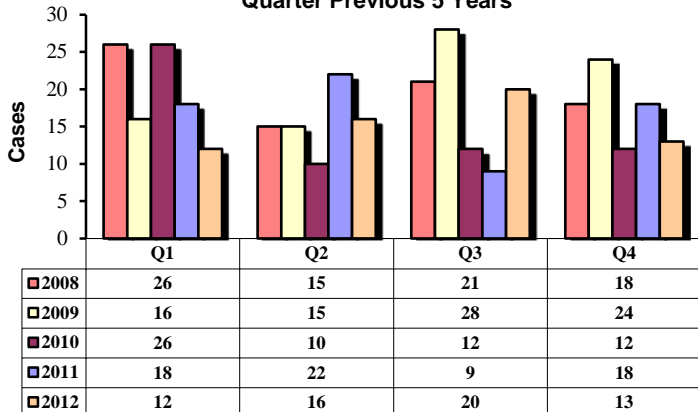
**Chronic Hepatitis C Cases in Ottawa County Previous 5 Years**



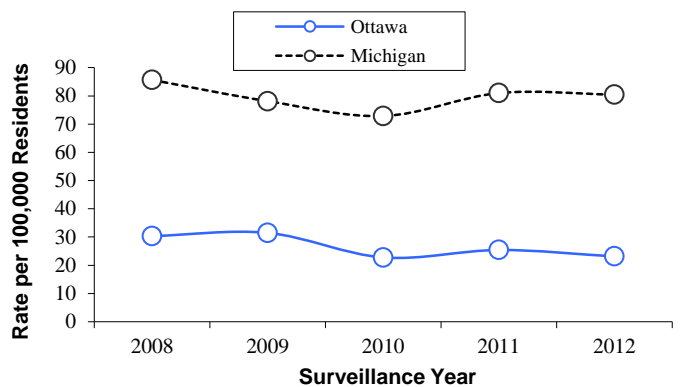
**Chronic Hepatitis C Cases in Ottawa County by Month, Previous 5 Years**



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

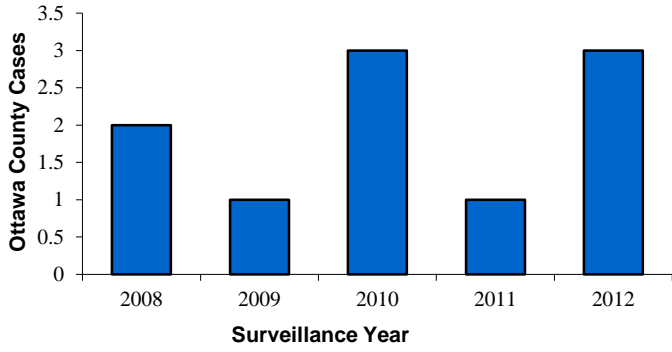


**Chronic Hepatitis C Cases per 100,000**

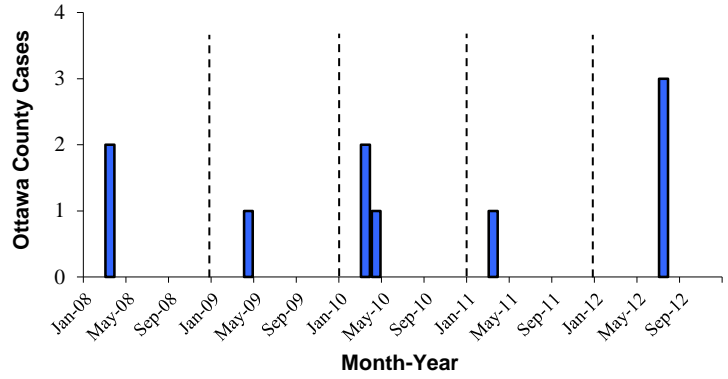




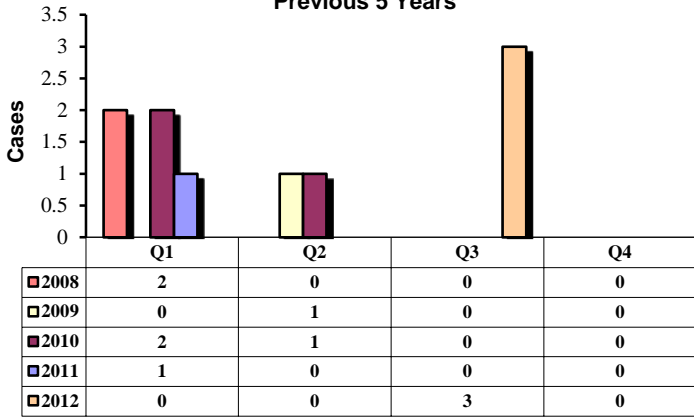
**Hepatitis A Cases in Ottawa County Previous 5 Years**



**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**

