

# Monthly Reportable Disease Summary

## January 2009



Ottawa County Health Department  
12251 James St  
Holland, MI 49424

The data in the Monthly Disease Report are provisional, based on current reports in the Michigan Disease Surveillance System (MDSS) made by local health departments. The MDSS is a dynamic, continually active system: counts of disease are constantly changing as cases are investigated, confirmed as cases, or ruled out as not meeting the case definition. The Monthly Disease Report reflects this constant activity as the numbers may slightly fluctuate each month. Therefore, it should be kept in mind that numbers in the Monthly Disease Report 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.



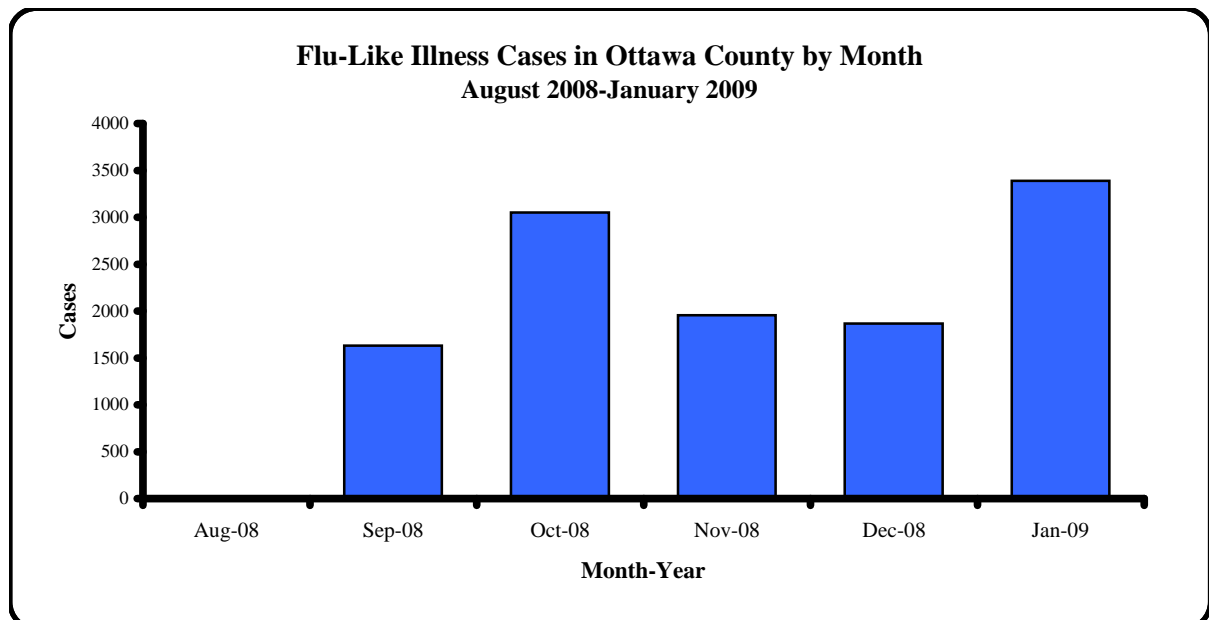


Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Total Cases Reported***			
		Oct-08	Nov-08	Dec-08	Jan-09	2006	2007	2008	2009
Vectorborne	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	-	-	4	3	2	2
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	1	-	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	2	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	-	-	-	-	7	6	2	2
Viral Hepatitis	Hepatitis A	-	-	-	-	-	4	2	2
	Hepatitis B, Acute	-	-	-	-	1	5	3	-
	Hepatitis B, Chronic	-	1	1	-	37	17	23	15
	Hepatitis B, Perinatal	-	-	-	-	1	-	-	-
	Hepatitis C, Acute	-	-	-	-	1	4	2	1
	Hepatitis C, Chronic	5	3	10	7	88	85	80	22
	Hepatitis C, Unknown*	-	-	-	-	-	1	2	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	5	4	11	7	128	116	112	40
<b>Total</b>		3,153	2,043	1,961	3,493	17,617	20,751	29,197	16,980

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

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

\*\*\* Data for cases reported in last 4 years is for entire year except for current year which is year to date









# Monthly Reportable Disease Summary

## February 2009



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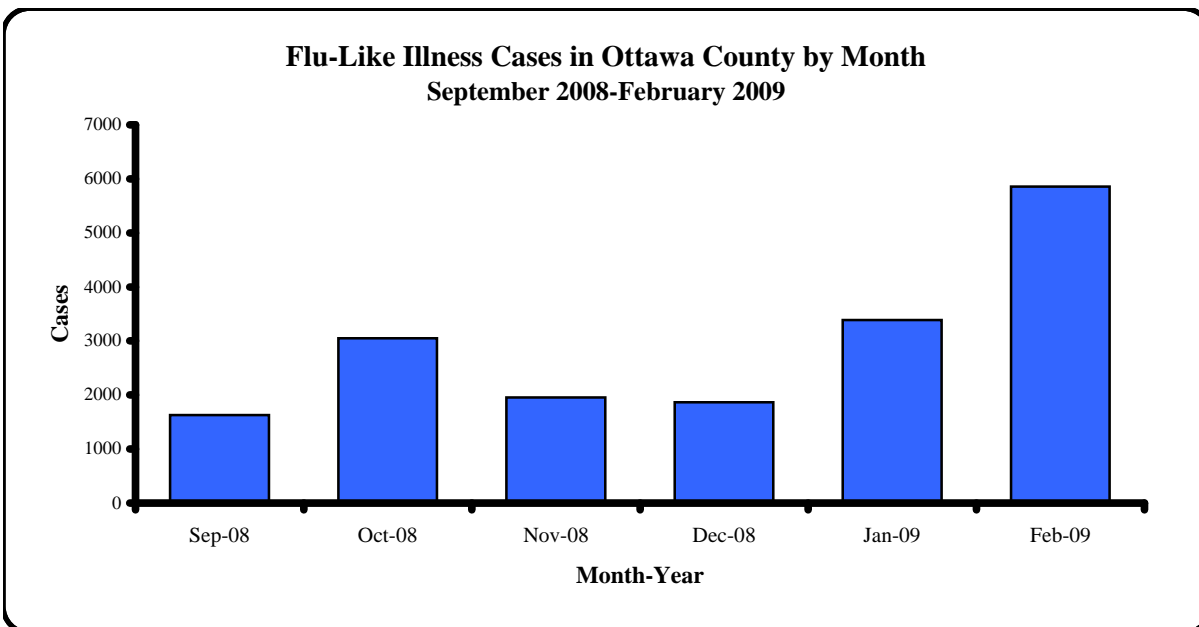


Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		Nov-08	Dec-08	Jan-09	Feb-09	2006	2007	2008	2009
<b>Vectorborne</b>	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	-	-	4	3	2	2
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	1	-	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	2	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	<b>Vectorborne Subtotal</b>		-	-	-	-	7	6	2
<b>Viral Hepatitis</b>	Hepatitis A	-	-	-	-	-	4	2	2
	Hepatitis B, Acute	-	-	-	-	1	5	3	-
	Hepatitis B, Chronic	1	1	-	1	37	17	23	15
	Hepatitis B, Perinatal	-	-	-	-	1	-	-	-
	Hepatitis C, Acute	-	-	-	-	1	4	2	1
	Hepatitis C, Chronic	3	10	7	4	88	85	80	22
	Hepatitis C, Unknown*	-	-	-	-	-	1	2	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	<b>Viral Hepatitis Subtotal</b>	4	11	7	5	128	116	112	40
<b>Total</b>		2,043	1,961	3,493	5,959	17,617	20,751	29,197	16,980

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

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

\*\*\* Data for cases reported in last 4 years is for entire year except for current year which is year to date



# Monthly Reportable Disease Summary

## March 2009



Ottawa County Health Department  
12251 James St  
Holland, MI 49424

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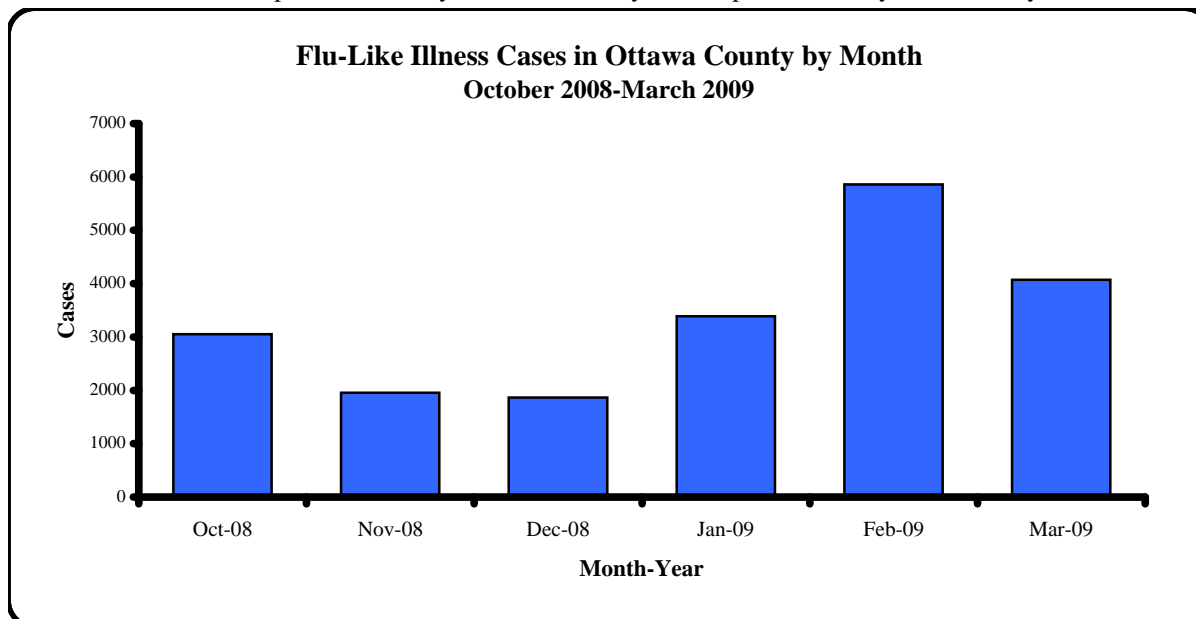


Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		Dec-08	Jan-09	Feb-09	Mar-09	2006	2007	2008	2009
<b>Vectorborne</b>	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	-	-	4	3	2	2
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	1	-	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	2	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	<b>Vectorborne Subtotal</b>		-	-	-	-	7	6	2
<b>Viral Hepatitis</b>	Hepatitis A	-	-	-	-	-	4	2	2
	Hepatitis B, Acute	-	-	-	-	1	5	3	-
	Hepatitis B, Chronic	1	-	1	5	37	17	23	15
	Hepatitis B, Perinatal	-	-	-	-	1	-	-	-
	Hepatitis C, Acute	-	-	-	-	1	4	2	1
	Hepatitis C, Chronic	10	7	4	5	88	85	80	22
	Hepatitis C, Unknown*	-	-	-	-	-	1	2	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	<b>Viral Hepatitis Subtotal</b>		11	7	5	10	128	116	112
<b>Total</b>		1,961	3,493	5,959	4,175	17,617	20,751	29,197	16,980

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# Monthly Reportable Disease Summary

## April 2009



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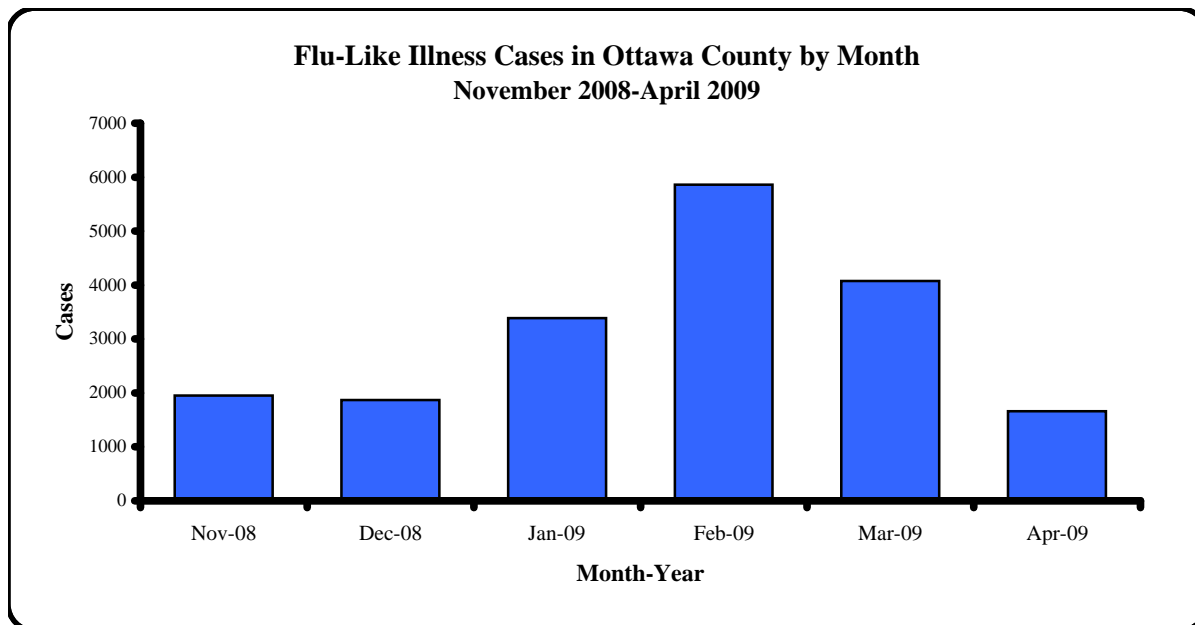


Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		Jan-09	Feb-09	Mar-09	Apr-09	2006	2007	2008	2009
<b>Vectorborne</b>	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	-	-	4	3	2	2
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	1	-	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	2	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	-	-	-	-	7	6	2	2
	<b>Viral Hepatitis</b>	Hepatitis A	-	-	-	1	-	4	2
Hepatitis B, Acute		-	-	-	-	1	5	3	-
Hepatitis B, Chronic		-	1	5	6	37	17	23	15
Hepatitis B, Perinatal		-	-	-	-	1	-	-	-
Hepatitis C, Acute		-	-	-	1	1	4	2	1
Hepatitis C, Chronic		7	4	5	5	88	85	80	22
Hepatitis C, Unknown*		-	-	-	-	-	1	2	-
Hepatitis D		-	-	-	-	-	-	-	-
Hepatitis E		-	-	-	-	-	-	-	-
Hepatitis Non A Non B		-	-	-	-	-	-	-	-
Viral Hepatitis Subtotal		7	5	10	13	128	116	112	40
<b>Total</b>		3,493	5,959	4,175	1,742	17,617	20,751	29,197	16,980

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

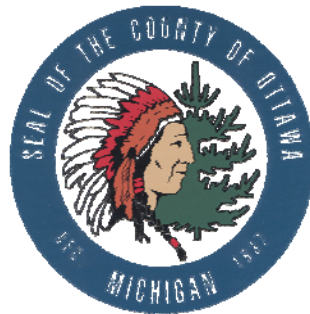
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Specific data requests and questions should be directed towards:

Lis McNeil RN BSN PEM  
Communicable Disease/TB/STD Clinical Supervisor  
lmneil@miottawa.org  
(616)393-5735



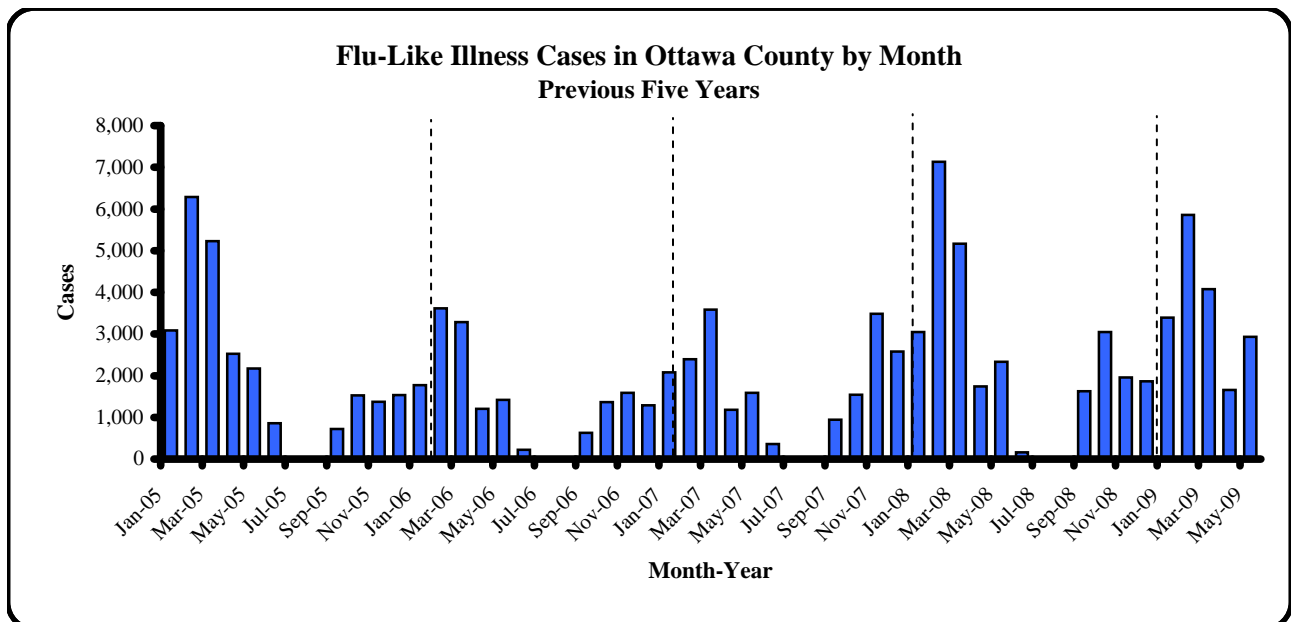


Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		Feb-09	Mar-09	Apr-09	May-09	2006	2007	2008	2009
<b>Vectorborne</b>	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	-	1	4	3	2	1
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	1	-	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	2	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	<b>Vectorborne Subtotal</b>		-	-	-	1	7	6	2
<b>Viral Hepatitis</b>	Hepatitis A	-	-	1	-	-	4	2	1
	Hepatitis B, Acute	-	-	-	-	1	5	3	-
	Hepatitis B, Chronic	1	5	6	4	37	17	23	17
	Hepatitis B, Perinatal	-	-	-	-	1	-	-	-
	Hepatitis C, Acute	-	-	1	-	1	4	2	2
	Hepatitis C, Chronic	4	5	4	3	88	85	80	27
	Hepatitis C, Unknown*	-	-	-	-	-	1	2	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	<b>Viral Hepatitis Subtotal</b>	5	10	12	7	128	116	112	47
<b>Total</b>		5,959	4,175	1,747	3,025	17,617	20,751	29,197	18,552

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# Monthly Reportable Disease Summary

## June 2009



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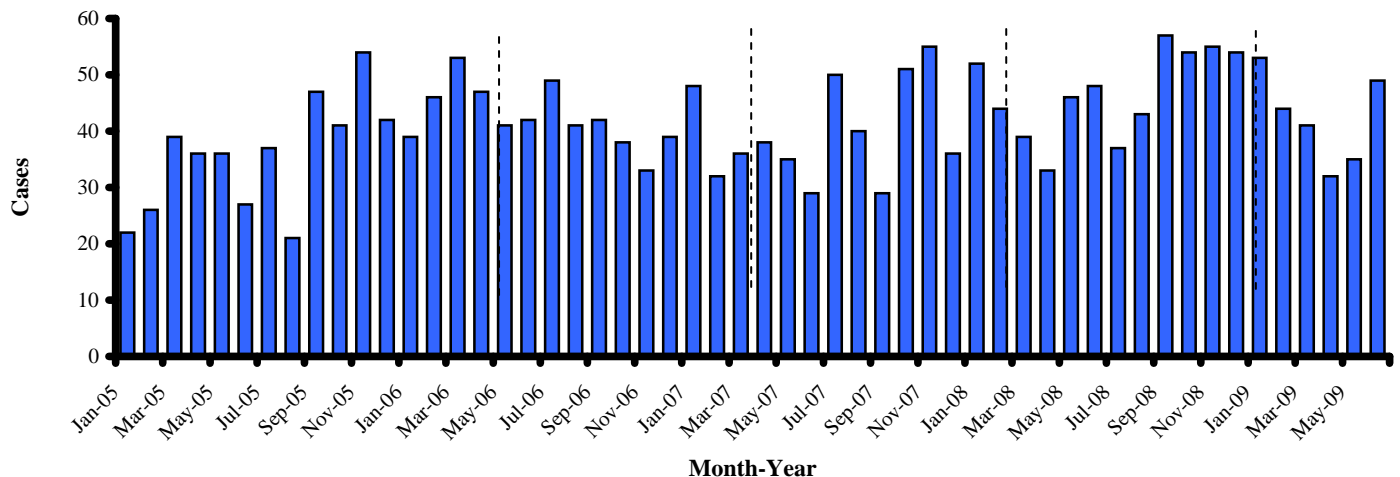
Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		Mar-09	Apr-09	May-09	Jun-09	2005	2006	2007	2008
<b>Vectorborne</b>	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	1	2	4	4	3	2
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	-	1	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	1	2	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	-	-	1	2	5	7	6	2
<b>Viral Hepatitis</b>	Hepatitis A	-	1	-	-	5	-	4	2
	Hepatitis B, Acute	-	-	-	-	2	1	5	3
	Hepatitis B, Chronic	5	6	4	4	33	37	17	23
	Hepatitis B, Perinatal	-	-	-	-	-	1	-	-
	Hepatitis C, Acute	-	1	-	-	1	1	4	2
	Hepatitis C, Chronic	5	4	3	7	85	88	85	80
	Hepatitis C, Unknown*	-	-	-	-	-	-	1	2
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	10	12	7	11	126	128	116	112
<b>Total</b>	<b>4,175</b>	<b>1,747</b>	<b>3,026</b>	<b>213</b>	<b>26,262</b>	<b>17,617</b>	<b>20,751</b>	<b>29,197</b>	

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**Chlamydia Cases in Ottawa County by Month**  
Previous Five Years



# Monthly Reportable Disease Summary

## July 2009



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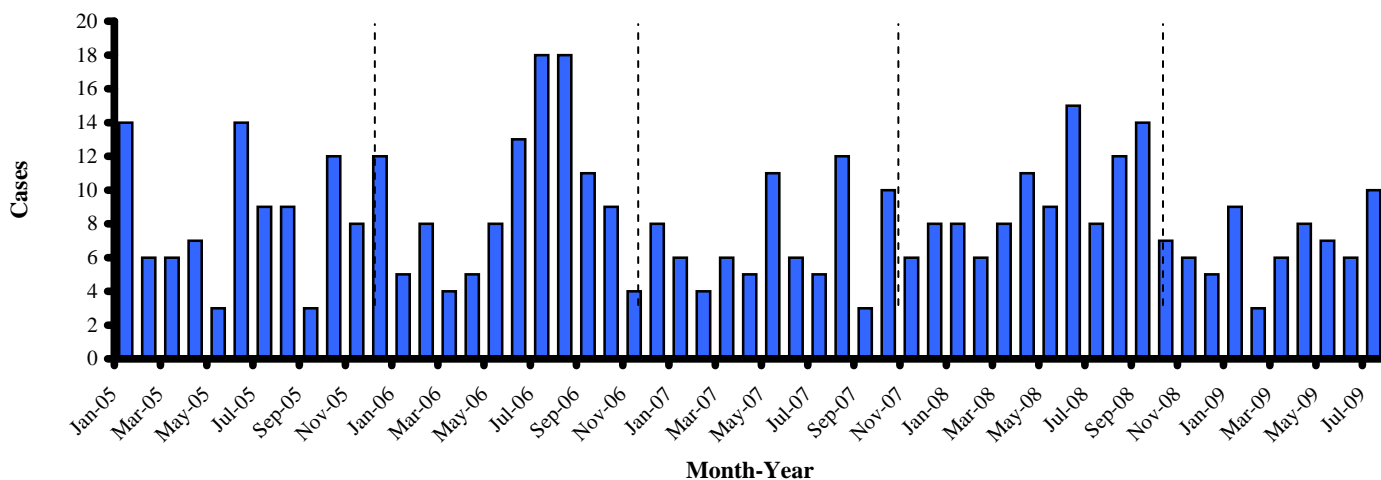
Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		Apr-09	May-09	Jun-09	Jul-09	2006	2007	2008	2009
<b>Vectorborne</b>	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	-	1	3	-	4	3	2	5
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	1	-	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	2	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	<b>Vectorborne Subtotal</b>		-	1	3	-	7	6	2
<b>Viral Hepatitis</b>	Hepatitis A	1	-	-	-	-	4	2	1
	Hepatitis B, Acute	-	-	-	-	1	5	3	-
	Hepatitis B, Chronic	6	4	4	3	37	17	25	26
	Hepatitis B, Perinatal	-	-	-	-	1	-	-	-
	Hepatitis C, Acute	1	-	-	-	1	4	2	1
	Hepatitis C, Chronic	4	3	7	12	88	85	80	44
	Hepatitis C, Unknown*	-	-	-	-	-	1	2	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	<b>Viral Hepatitis Subtotal</b>	12	7	11	15	128	116	114	72
<b>Total</b>		1,747	3,028	236	79	17,617	20,751	29,199	18,739

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**Foodborne Illness Cases in Ottawa County by Month**  
Previous Five Years



# Monthly Reportable Disease Summary

## August 2009



Ottawa County Health Department  
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Holland, MI 49424

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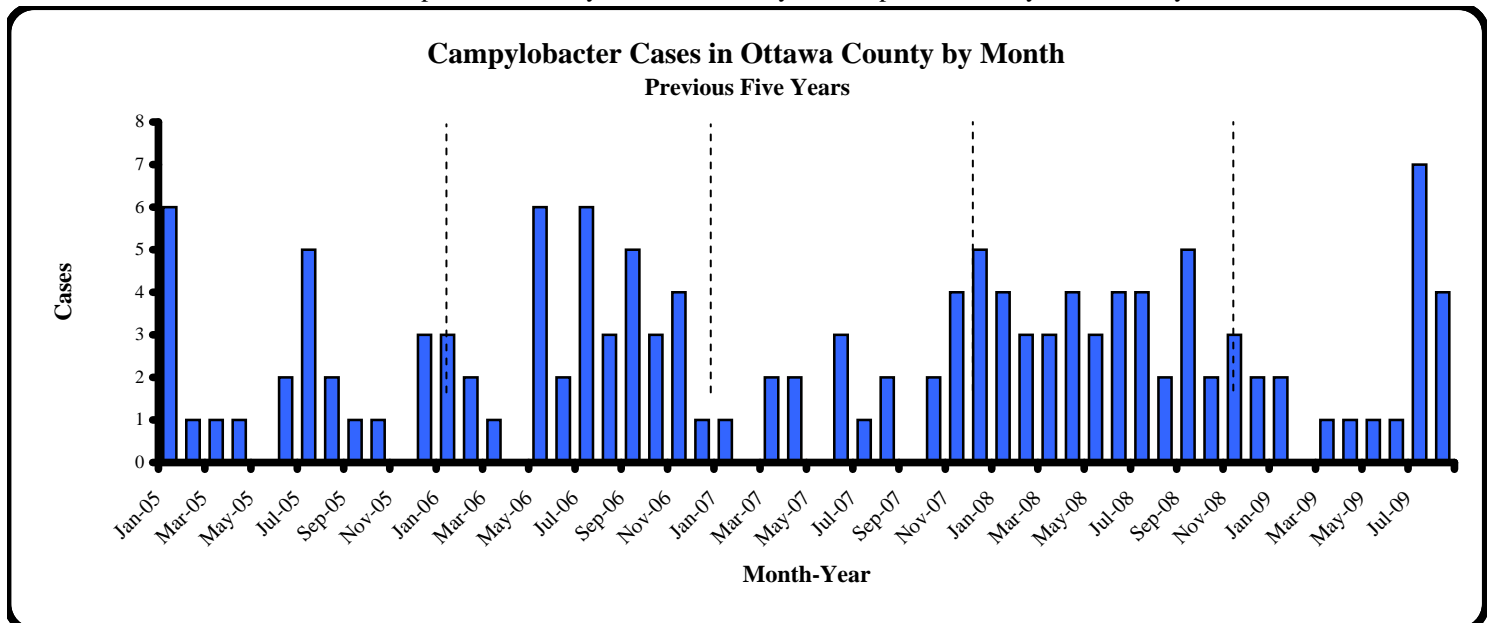


Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		May-09	Jun-09	Jul-09	Aug-09	2006	2007	2008	2009
Vectorborne	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	1	3	2	-	4	3	2	6
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	1	-	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	2	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	1	3	2	-	7	6	2	6
Viral Hepatitis	Hepatitis A	-	-	-	-	-	4	2	1
	Hepatitis B, Acute	-	-	-	-	1	5	3	-
	Hepatitis B, Chronic	4	4	3	3	37	17	25	27
	Hepatitis B, Perinatal	-	-	-	-	1	-	-	-
	Hepatitis C, Acute	-	-	-	-	1	4	2	3
	Hepatitis C, Chronic	3	7	12	8	88	85	80	53
	Hepatitis C, Unknown*	-	-	-	-	-	1	2	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	7	11	15	11	128	116	114	84
<b>Total</b>		3,028	237	89	82	17,617	20,751	29,199	18,845

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

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# Monthly Reportable Disease Summary

## September 2009



Ottawa County Health Department  
12251 James St  
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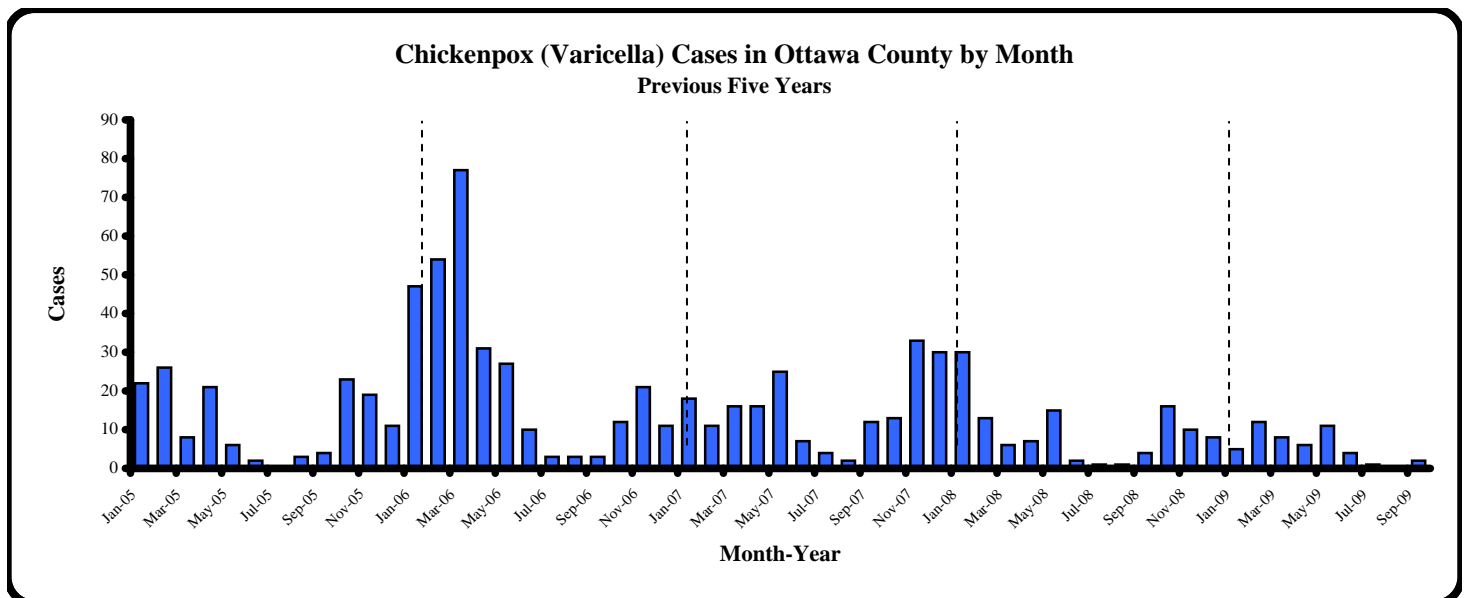


Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		Jun-09	Jul-09	Aug-09	Sep-09	2006	2007	2008	2009
<b>Vectorborne</b>	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	3	3	1	-	4	3	2	8
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	1	-	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	2	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	<b>Vectorborne Subtotal</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>-</b>	<b>7</b>	<b>6</b>	<b>2</b>	<b>8</b>
<b>Viral Hepatitis</b>	Hepatitis A	-	-	-	-	-	4	2	1
	Hepatitis B, Acute	-	-	-	-	1	5	3	-
	Hepatitis B, Chronic	4	3	3	<b>3</b>	37	17	25	35
	Hepatitis B, Perinatal	-	-	-	-	1	-	-	-
	Hepatitis C, Acute	-	-	-	-	1	4	2	1
	Hepatitis C, Chronic	7	12	7	<b>7</b>	88	85	80	66
	Hepatitis C, Unknown*	-	-	-	-	-	1	2	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	<b>Viral Hepatitis Subtotal</b>	<b>11</b>	<b>15</b>	<b>10</b>	<b>10</b>	<b>128</b>	<b>116</b>	<b>114</b>	<b>103</b>
<b>Total</b>	<b>238</b>	<b>92</b>	<b>97</b>	<b>1,545</b>	<b>17,616</b>	<b>20,751</b>	<b>29,198</b>	<b>27,262</b>	

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

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# Monthly Reportable Disease Summary

## October 2009



Ottawa County Health Department  
12251 James St  
Holland, MI 49424

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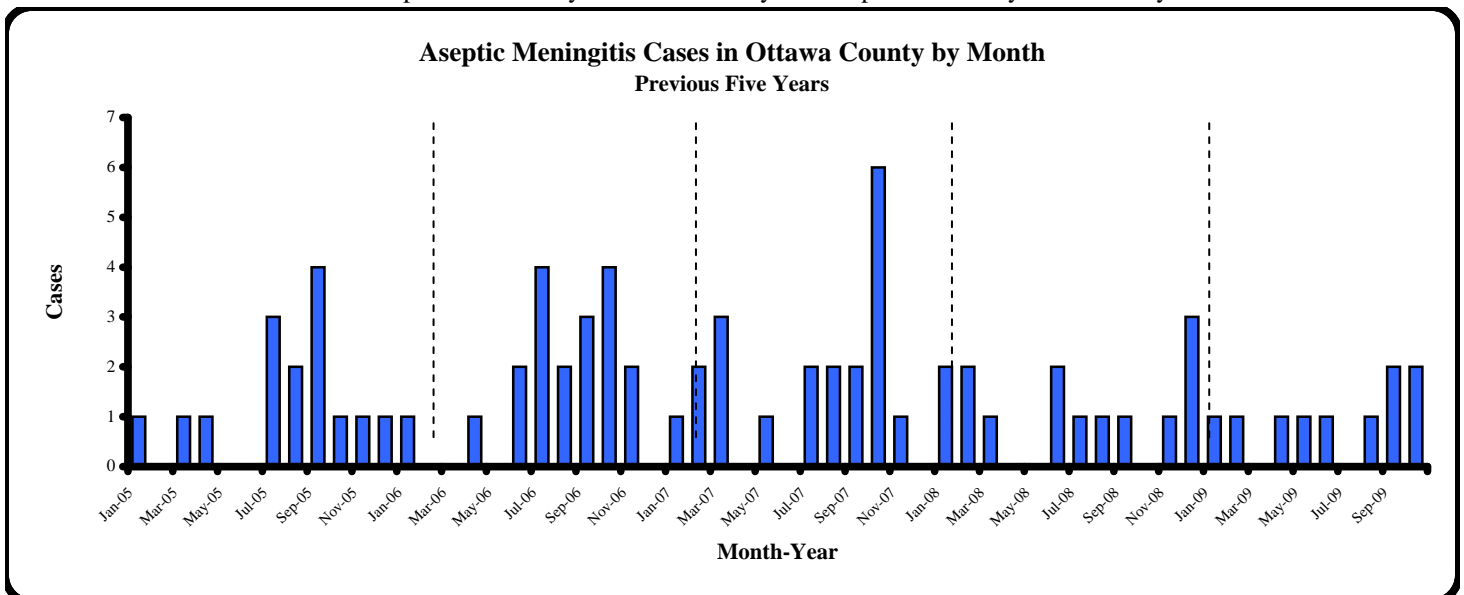


Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		Jul-09	Aug-09	Sep-09	Oct-09	2006	2007	2008	2009
<b>Vectorborne</b>	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	3	1	-	-	4	3	2	8
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	1	-	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	2	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	<b>Vectorborne Subtotal</b>	<b>3</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>7</b>	<b>6</b>	<b>2</b>	<b>8</b>
<b>Viral Hepatitis</b>	Hepatitis A	-	-	-	-	-	4	2	1
	Hepatitis B, Acute	-	-	-	-	1	5	3	-
	Hepatitis B, Chronic	3	3	3	<b>5</b>	37	17	25	35
	Hepatitis B, Perinatal	-	-	-	-	1	-	-	-
	Hepatitis C, Acute	-	-	-	-	1	4	2	1
	Hepatitis C, Chronic	12	7	7	<b>8</b>	88	85	80	66
	Hepatitis C, Unknown*	-	-	-	-	-	1	2	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	<b>Viral Hepatitis Subtotal</b>	<b>15</b>	<b>10</b>	<b>10</b>	<b>13</b>	<b>128</b>	<b>116</b>	<b>114</b>	<b>103</b>
<b>Total</b>	<b>92</b>	<b>97</b>	<b>1,545</b>	<b>6,864</b>	<b>17,616</b>	<b>20,751</b>	<b>29,198</b>	<b>27,262</b>	

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# Monthly Reportable Disease Summary

## November 2009



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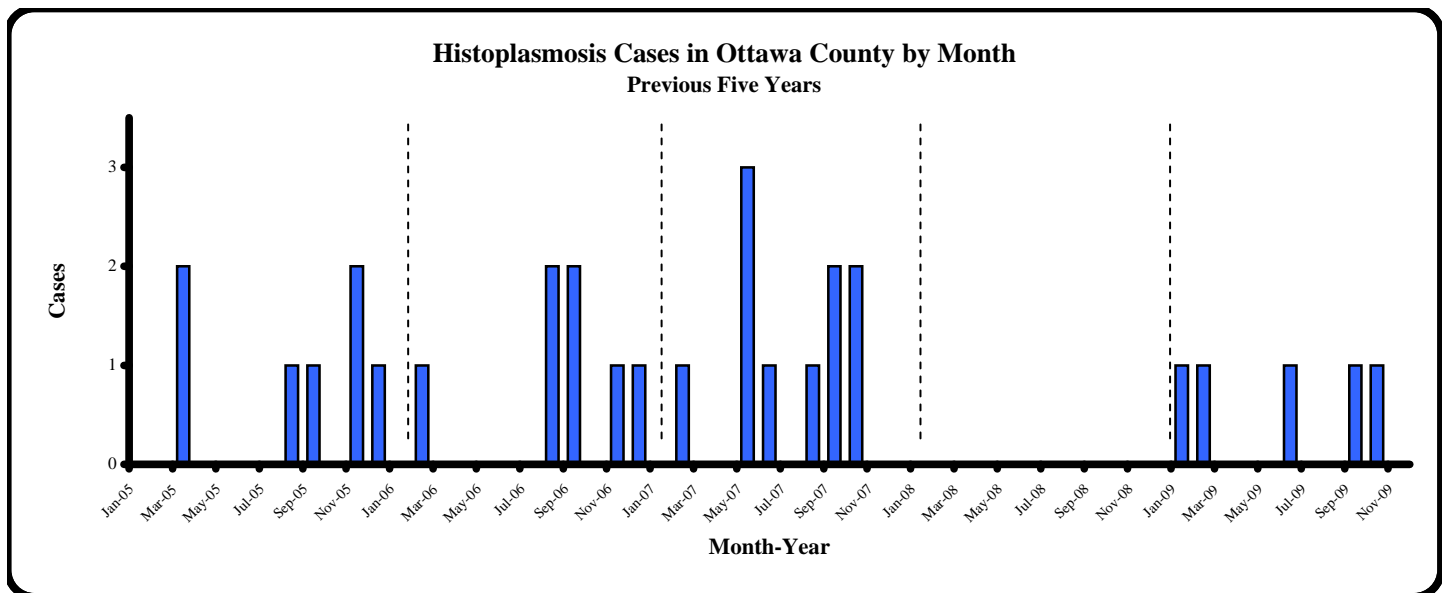


Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		Aug-09	Sep-09	Oct-09	Nov-09	2006	2007	2008	2009
<b>Vectorborne</b>	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	-	-	4	3	2	6
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	1	-	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	2	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	-	-	-	-	7	6	2	6
<b>Viral Hepatitis</b>	Hepatitis A	-	-	-	-	-	4	2	1
	Hepatitis B, Acute	-	-	-	-	1	5	3	-
	Hepatitis B, Chronic	3	3	5	3	37	17	25	38
	Hepatitis B, Perinatal	-	-	-	-	1	-	-	-
	Hepatitis C, Acute	-	-	-	1	1	4	2	2
	Hepatitis C, Chronic	8	7	8	8	88	85	80	77
	Hepatitis C, Unknown*	-	-	-	-	-	1	2	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	1	-	-	-	1
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	11	10	13	13	128	116	114	119
<b>Total</b>	97	1,546	6,988	5,347	17,616	20,751	29,198	34,348	

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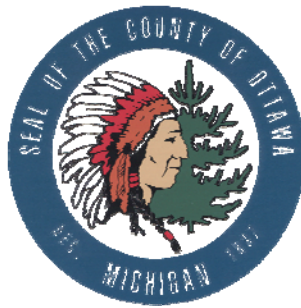
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# 2009 Quarterly Reportable Disease Summary

## December 2009



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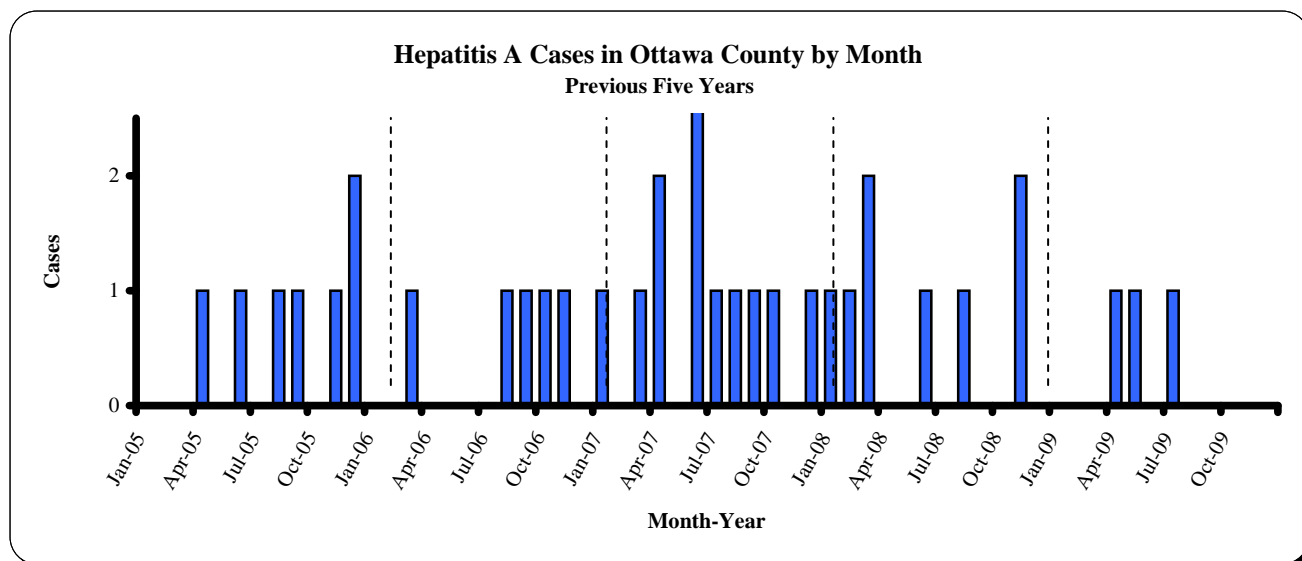


Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		Sep-09	Oct-09	Nov-09	Dec-09	2006	2007	2008	2009
<b>Vectorborne</b>	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-
	Ehrlichosis human, other, unsp*	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	1	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	-	1	-	-	8	8	4	11
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	1	-	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	2	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	-	1	-	-	12	11	4	11
<b>Viral Hepatitis</b>	Hepatitis A	-	-	-	-	5	12	8	3
	Hepatitis B, Acute	1	1	-	-	1	7	4	2
	Hepatitis B, Chronic	4	7	4	2	52	31	56	63
	Hepatitis B, Perinatal	-	-	-	-	1	-	-	-
	Hepatitis C, Acute	-	-	-	-	1	4	3	-
	Hepatitis C, Chronic	9	12	11	6	90	94	88	97
	Hepatitis C, Unknown*	-	-	-	-	1	3	7	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	1	-	-	-	-	1
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	14	20	16	8	151	151	166	166
<b>Total</b>	1,557	7,007	5,368	2,526	17,727	20,828	29,318	35,382	

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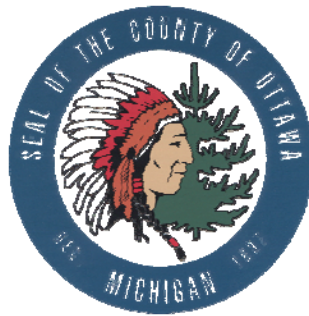
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# 2009 Quarterly Reportable Disease Summary

## Quarter 1



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Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q1 Cases by Year***			
		Q2-08	Q3-08	Q4-08	Q1-09	Q1-06	Q1-07	Q1-08	Q1-09
<b>Foodborne</b>	Amebiasis	-	-	-	-	-	-	1	-
	Botulism - Foodborne	-	-	-	-	-	-	-	-
	Campylobacter	11	11	7	<b>3</b>	6	3	10	3
	Cryptosporidiosis	1	7	1	<b>2</b>	3	3	4	2
	Escherichia coli O157:H7	-	-	1	-	-	-	-	-
	Giardiasis	11	9	1	<b>3</b>	6	6	4	3
	Listeriosis	1	-	-	-	-	-	-	-
	Norovirus	-	-	-	-	-	-	-	-
	Salmonellosis	10	5	3	<b>8</b>	2	4	2	8
	Shiga toxin, E. Coli, Non O157	-	-	-	-	-	-	-	-
	Shiga toxin, E. Coli, Unsp	-	-	1	<b>1</b>	-	-	-	1
	Shigellosis	1	1	4	<b>1</b>	-	-	1	1
	Typhoid Fever	-	-	-	-	-	-	-	-
	Yersinia enteritis	-	1	-	-	-	-	-	-
	Foodborne Subtotal	35	34	18	<b>18</b>	17	16	22	18
<b>Meningitis</b>	Meningitis - Aseptic	2	3	4	<b>2</b>	1	6	5	2
	Meningitis - Bacterial Other	-	1	1	<b>3</b>	-	1	1	3
	Meningococcal Disease	1	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Inv	3	-	4	<b>3</b>	2	3	1	3
	Meningitis Subtotal	6	4	9	<b>8</b>	3	10	7	8
<b>Other</b>	Anthrax	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	-	-	-	-	-
	Botulism - Infant	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	-	-	-
	Cholera	-	-	-	-	-	-	-	-
	Coccidioidomycosis	-	1	-	-	1	-	2	-
	Creutzfeldt-Jakob Disease	1	-	-	-	-	-	-	-
	Cryptococcosis	-	1	-	-	-	-	1	-
	Cyclosporiasis	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	-	-	-	-	-
	Encephalitis, Primary	-	-	-	<b>1</b>	-	-	-	1
	Flu Like Disease*	4,242	1,658	6,872	<b>13,324</b>	8,678	8,059	15,350	13,324
	Guillain-Barre Syndrome	-	-	-	-	1	1	1	-
	Hantavirus	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	-	-	-	-	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	-	-	-
	Histoplasmosis	-	-	-	<b>2</b>	1	1	-	2
	Influenza	1	-	3	<b>60</b>	-	5	13	60
	Influenza, 2009 Novel	-	-	-	-	-	-	-	-
	Influenza, Novel	-	-	-	-	-	-	-	-
	Kawasaki	-	-	1	<b>1</b>	1	-	-	1
Legionellosis	-	1	-	-	-	-	-	-	

Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q1 Cases by Year***			
		Q2-08	Q3-08	Q4-08	Q1-09	Q1-06	Q1-07	Q1-08	Q1-09
<b>Other</b>	Leprosy	-	-	-	-	-	-	-	-
	Leptospirosis	-	-	-	-	-	-	-	-
	Plague	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	-
	Q Fever*	-	-	-	-	-	-	-	-
	Q Fever Acute	-	-	-	-	-	-	-	-
	Q Fever Chronic	-	-	-	-	-	-	-	-
	Rabies Human	-	-	-	-	-	-	-	-
	Reye Syndrome	-	-	-	-	-	-	-	-
	Rheumatic Fever	-	-	-	-	-	-	-	-
	Rubella - Congenital	-	-	-	-	-	-	-	-
	Strep Pneumo, Drug Resistant	-	-	-	-	-	-	-	-
	Streptococcal Dis, Inv, Grp A	-	-	-	-	1	2	2	-
	Streptococcal Toxic Shock	-	-	-	-	-	-	-	-
	Toxic Shock	-	-	-	-	-	-	-	-
	Trachoma	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	-	-	-	-
	VISA	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-
	Other Subtotal	4,244	1,661	6,881	13,395	8,683	8,068	15,369	13,395
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	127	137	163	138	138	116	135	138
	Gonorrhea	25	25	27	15	22	9	24	15
	Granuloma Inguinale	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	-	-	-	-	-
	Syphilis - Late Latent	1	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	1	-	-	-	-	-	-	-
	Syphilis - Latent of Unknown Duration	-	1	1	-	-	-	-	-
	Syphilis - Primary	-	-	-	-	-	-	-	-
	Syphilis - Secondary	-	-	1	-	-	1	-	-
	STD Subtotal	154	163	192	153	160	126	159	153
<b>Tuberculosis</b>	Tuberculosis	2	2	1	-	2	-	-	-
<b>VPD</b>	Chickenpox (Varicella)	24	6	34	25	178	45	49	25
	Diphtheria	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	-	1	-	1	-	-	-
	Measles	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-
	Pertussis	-	2	-	5	-	-	3	5
	Polio	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-
	Shingles	-	-	-	-	-	-	-	-
	Tetanus	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	-	-	-	-	-
	VPD Subtotal	24	8	35	30	179	45	52	30

Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q1 Cases by Year***			
		Q2-08	Q3-08	Q4-08	Q1-09	Q1-06	Q1-07	Q1-08	Q1-09
<b>Vectorborne</b>	Dengue Fever	-	-	-	-	1	-	-	-
	Ehrlichiosis*	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-
<b>Vectorborne</b>	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	-	-	-	-	-	-
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	-	-	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	1	1	-	-	1	-	-	-
<b>Viral Hepatitis</b>	Hepatitis A	-	-	-	-	-	-	2	-
	Hepatitis B, Acute	1	-	-	-	1	1	2	-
	Hepatitis B, Chronic	9	6	4	7	13	4	6	7
	Hepatitis B, Perinatal	-	-	-	-	1	-	-	-
	Hepatitis C, Acute	1	-	-	-	1	2	1	-
	Hepatitis C, Chronic	15	21	18	16	32	21	26	16
	Hepatitis C, Unknown*	-	-	-	-	-	-	2	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	36	35	23	28	27	40	48	28
<b>Total</b>	4,502	1,908	7,159	13,632	9,072	8,305	15,657	13,632	

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

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

\*\*\* Data for cases reported in last 4 years is for entire year except for current year which is year to date

\*\*\* Data for cases reported in same quarter of last 4 years









# 2009 Quarterly Reportable Disease Summary

## Quarter 2



Ottawa County Health Department  
12251 James St  
Holland, MI 49424

The data in the Quarterly 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 Quarterly Disease Summary reflects this constant activity as the numbers may slightly fluctuate each quarter. Therefore, it should be kept in mind that numbers in the Quarterly Disease Summary are NOT final and should be used only to generally monitor trends over time. Suspected, probable, unknown, or laboratory confirmed cases of the reportable condition are included in the report.

Specific data requests and questions should be directed towards:

Lis McNeil RN BSN PEM  
Communicable Disease/TB/STD Clinical Supervisor  
lmcneil@miottawa.org  
(616)393-5735

Disease Group	Reportable Condition	Cases in Last 4 Quarters*				Q2 Cases by Year**			
		Q3-08	Q4-08	Q1-09	Q2-09	Q2-06	Q2-07	Q2-08	Q2-09
<b>Foodborne</b>	Amebiasis	-	-	-	-	-	-	-	-
	Botulism - Foodborne	-	-	-	-	-	-	-	-
	Campylobacter	11	7	3	<b>3</b>	8	5	11	3
	Cryptosporidiosis	7	1	2	-	3	3	1	-
	Escherichia coli 0157:H7	-	1	-	-	1	-	-	-
	Giardiasis	9	1	3	<b>7</b>	2	5	11	7
	Listeriosis	-	-	-	-	-	1	1	-
	Norovirus	-	-	-	-	-	-	-	-
	Salmonellosis	5	3	8	<b>9</b>	10	8	10	9
	Shiga toxin, E. Coli, Non O157	-	-	-	-	-	-	-	-
	Shiga toxin, E. Coli, Unsp	-	1	1	<b>1</b>	-	-	-	1
	Shigellosis	1	4	1	<b>1</b>	2	-	1	1
	Typhoid Fever	-	-	-	-	-	-	-	-
	Yersinia enteritis	1	-	-	-	-	-	-	-
	Foodborne Subtotal	34	18	18	<b>21</b>	26	22	35	21
<b>Meningitis</b>	Meningitis - Aseptic	3	4	2	<b>3</b>	3	1	2	3
	Meningitis - Bacterial Other	1	1	3	<b>1</b>	-	-	-	1
	Meningococcal Disease	-	-	-	-	-	-	1	-
	Streptococcus pneumoniae, Inv	-	4	3	-	2	1	3	-
	Meningitis Subtotal	4	9	8	<b>4</b>	5	2	6	4
<b>Other</b>	Anthrax	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	-	-	-	-	-
	Botulism - Infant	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	-	-	-
	Cholera	-	-	-	-	-	-	-	-
	Coccidioidomycosis	1	-	-	-	1	-	-	-
	Creutzfeldt-Jakob Disease	-	-	-	-	-	-	1	-
	Cryptococcosis	1	-	-	-	-	-	-	-
	Cyclosporiasis	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	-	-	-	-	-
	Encephalitis, Primary	-	-	1	-	-	-	-	-
	Flu Like Disease*	1,658	6,872	13,324	<b>4,730</b>	2,844	3,131	4,242	4,730
	Guillain-Barre Syndrome	-	-	-	-	1	-	-	-
	Hantavirus	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	-	-	-	-	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	-	-	-
	Histoplasmosis	-	-	2	<b>1</b>	-	4	-	1
	Influenza	-	3	60	<b>1</b>	-	-	1	1
	Influenza, 2009 Novel	-	-	-	-	-	-	-	-
Influenza, Novel	-	-	-	<b>56</b>	-	-	-	56	
Kawasaki	-	1	1	-	-	1	-	-	
Legionellosis	1	-	-	-	1	-	-	-	

Disease Group	Reportable Condition	Cases in Last 4 Quarters*				Q2 Cases by Year**			
		Q3-08	Q4-08	Q1-09	Q2-09	Q2-06	Q2-07	Q2-08	Q2-09
<b>Other</b>	Leprosy	-	-	-	-	-	-	-	-
	Leptospirosis	-	-	-	-	-	-	-	-
	Plague	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	-
	Q Fever*	-	-	-	-	-	-	-	-
	Q Fever Acute	-	-	-	-	-	-	-	-
	Q Fever Chronic	-	-	-	-	-	-	-	-
	Rabies Human	-	-	-	-	-	-	-	-
	Reye Syndrome	-	-	-	-	-	-	-	-
	Rheumatic Fever	-	-	-	-	-	-	-	-
	Rubella - Congenital	-	-	-	-	-	-	-	-
	Strep Pneumo, Drug Resistant	-	-	-	-	-	-	-	-
	Streptococcal Dis, Inv, Grp A	-	-	-	-	1	-	-	-
	Streptococcal Toxic Shock	-	-	-	-	-	-	-	-
	Toxic Shock	-	-	-	1	-	-	-	1
	Trachoma	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	-	-	-	-
	VISA	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-
	Other Subtotal	1,661	6,881	13,395	4,789	2,857	3,137	4,244	4,789
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	137	163	138	115	130	102	127	115
	Gonorrhea	25	27	15	12	10	12	25	12
	Granuloma Inguinale	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	1	-	-	-	1
	Syphilis - Late Latent	-	-	-	-	-	-	1	-
	Syphilis - Late with Manifestations	-	-	-	-	-	-	1	-
	Syphilis - Latent of Unknown Duration	1	1	-	-	-	-	-	-
	Syphilis - Primary	-	-	-	-	-	-	-	-
	Syphilis - Secondary	-	1	-	-	-	-	-	-
	STD Subtotal	163	192	153	128	140	114	154	128
<b>Tuberculosis</b>	Tuberculosis	2	1	-	1	2	2	2	1
<b>VPD</b>	Chickenpox (Varicella)	6	34	25	21	68	48	24	21
	Diphtheria	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	1	-	-	1	-	-	-
	Measles	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-
	Pertussis	2	-	5	13	2	3	-	13
	Polio	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-
	Shingles	-	-	-	-	-	-	-	-
	Tetanus	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	-	-	-	-	-
	VPD Subtotal	8	35	30	34	71	51	24	34

Disease Group	Reportable Condition	Cases in Last 4 Quarters*				Q2 Cases by Year**			
		Q3-08	Q4-08	Q1-09	Q2-09	Q2-06	Q2-07	Q2-08	Q2-09
<b>Vectorborne</b>	Dengue Fever	-	-	-	-	-	-	-	-
	Ehrlichiosis*	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-
<b>Vectorborne</b>	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	1	-	-	4	1	1	1	4
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	1	-	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	1	-	-	4	1	2	1	4
<b>Viral Hepatitis</b>	Hepatitis A	-	-	-	1	-	2	-	1
	Hepatitis B, Acute	-	-	-	-	-	-	1	-
	Hepatitis B, Chronic	6	4	7	13	8	7	9	13
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	1	-	2	1	1
	Hepatitis C, Chronic	21	18	16	14	15	24	15	14
	Hepatitis C, Unknown*	-	-	-	-	-	1	-	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
Viral Hepatitis Subtotal	35	23	28	24	21	44	36	24	
<b>Total</b>	1,908	7,159	13,632	5,005	3,123	3,374	4,502	5,005	

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

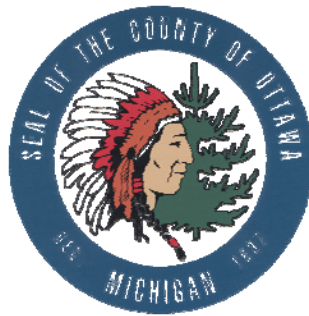
\*\* Data for cases reported in last four months is based on week case was referred to the health department

\*\*\* Data for cases reported in last 4 years is for entire year except for current year which is year to date

\*\*\* Data for cases reported in same quarter of last 4 years

# 2009 Quarterly Reportable Disease Summary

## Quarter 2



Ottawa County Health Department  
12251 James St  
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Disease Group	Reportable Condition	Cases in Last 4 Quarters*				Q2 Cases by Year**			
		Q3-08	Q4-08	Q1-09	Q2-09	Q2-06	Q2-07	Q2-08	Q2-09
<b>Foodborne</b>	Amebiasis	-	-	-	-	-	-	-	-
	Botulism - Foodborne	-	-	-	-	-	-	-	-
	Campylobacter	11	7	3	<b>3</b>	8	5	11	3
	Cryptosporidiosis	7	1	2	-	3	3	1	-
	Escherichia coli 0157:H7	-	1	-	-	1	-	-	-
	Giardiasis	9	1	3	<b>7</b>	2	5	11	7
	Listeriosis	-	-	-	-	-	1	1	-
	Norovirus	-	-	-	-	-	-	-	-
	Salmonellosis	5	3	8	<b>9</b>	10	8	10	9
	Shiga toxin, E. Coli, Non O157	-	-	-	-	-	-	-	-
	Shiga toxin, E. Coli, Unsp	-	1	1	<b>1</b>	-	-	-	1
	Shigellosis	1	4	1	<b>1</b>	2	-	1	1
	Typhoid Fever	-	-	-	-	-	-	-	-
	Yersinia enteritis	1	-	-	-	-	-	-	-
	Foodborne Subtotal	34	18	18	<b>21</b>	26	22	35	21
<b>Meningitis</b>	Meningitis - Aseptic	3	4	2	<b>3</b>	3	1	2	3
	Meningitis - Bacterial Other	1	1	3	<b>1</b>	-	-	-	1
	Meningococcal Disease	-	-	-	-	-	-	1	-
	Streptococcus pneumoniae, Inv	-	4	3	-	2	1	3	-
	Meningitis Subtotal	4	9	8	<b>4</b>	5	2	6	4
<b>Other</b>	Anthrax	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	-	-	-	-	-
	Botulism - Infant	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	-	-	-
	Cholera	-	-	-	-	-	-	-	-
	Coccidioidomycosis	1	-	-	-	1	-	-	-
	Creutzfeldt-Jakob Disease	-	-	-	-	-	-	1	-
	Cryptococcosis	1	-	-	-	-	-	-	-
	Cyclosporiasis	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	-	-	-	-	-
	Encephalitis, Primary	-	-	1	-	-	-	-	-
	Flu Like Disease*	1,658	6,872	13,324	<b>4,730</b>	2,844	3,131	4,242	4,730
	Guillain-Barre Syndrome	-	-	-	-	1	-	-	-
	Hantavirus	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	-	-	-	-	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	-	-	-
	Histoplasmosis	-	-	2	<b>1</b>	-	4	-	1
	Influenza	-	3	60	<b>1</b>	-	-	1	1
Influenza, 2009 Novel	-	-	-	-	-	-	-	-	
Influenza, Novel	-	-	-	<b>56</b>	-	-	-	56	
Kawasaki	-	1	1	-	-	1	-	-	
Legionellosis	1	-	-	-	1	-	-	-	



Disease Group	Reportable Condition	Cases in Last 4 Quarters*				Q2 Cases by Year**			
		Q3-08	Q4-08	Q1-09	Q2-09	Q2-06	Q2-07	Q2-08	Q2-09
<b>Other</b>	Leprosy	-	-	-	-	-	-	-	-
	Leptospirosis	-	-	-	-	-	-	-	-
	Plague	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	-
	Q Fever*	-	-	-	-	-	-	-	-
	Q Fever Acute	-	-	-	-	-	-	-	-
	Q Fever Chronic	-	-	-	-	-	-	-	-
	Rabies Human	-	-	-	-	-	-	-	-
	Reye Syndrome	-	-	-	-	-	-	-	-
	Rheumatic Fever	-	-	-	-	-	-	-	-
	Rubella - Congenital	-	-	-	-	-	-	-	-
	Strep Pneumo, Drug Resistant	-	-	-	-	-	-	-	-
	Streptococcal Dis, Inv, Grp A	-	-	-	-	1	-	-	-
	Streptococcal Toxic Shock	-	-	-	-	-	-	-	-
	Toxic Shock	-	-	-	1	-	-	-	1
	Trachoma	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	-	-	-	-
	VISA	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-
	Other Subtotal	1,661	6,881	13,395	4,789	2,857	3,137	4,244	4,789
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	137	163	138	115	130	102	127	115
	Gonorrhea	25	27	15	12	10	12	25	12
	Granuloma Inguinale	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	-	1	-	-	-	1
	Syphilis - Late Latent	-	-	-	-	-	-	1	-
	Syphilis - Late with Manifestations	-	-	-	-	-	-	1	-
	Syphilis - Latent of Unknown Duration	1	1	-	-	-	-	-	-
	Syphilis - Primary	-	-	-	-	-	-	-	-
	Syphilis - Secondary	-	1	-	-	-	-	-	-
	STD Subtotal	163	192	153	128	140	114	154	128
<b>Tuberculosis</b>	Tuberculosis	2	1	-	1	2	2	2	1
<b>VPD</b>	Chickenpox (Varicella)	6	34	25	21	68	48	24	21
	Diphtheria	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	1	-	-	1	-	-	-
	Measles	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-
	Pertussis	2	-	5	13	2	3	-	13
	Polio	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-
	Shingles	-	-	-	-	-	-	-	-
	Tetanus	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	-	-	-	-	-
	VPD Subtotal	8	35	30	34	71	51	24	34

Disease Group	Reportable Condition	Cases in Last 4 Quarters*				Q2 Cases by Year**			
		Q3-08	Q4-08	Q1-09	Q2-09	Q2-06	Q2-07	Q2-08	Q2-09
<b>Vectorborne</b>	Dengue Fever	-	-	-	-	-	-	-	-
	Ehrlichiosis*	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-
<b>Vectorborne</b>	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	-	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	1	-	-	4	1	1	1	4
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	1	-	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	1	-	-	4	1	2	1	4
<b>Viral Hepatitis</b>	Hepatitis A	-	-	-	1	-	2	-	1
	Hepatitis B, Acute	-	-	-	-	-	-	1	-
	Hepatitis B, Chronic	6	4	7	13	8	7	9	13
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	1	-	2	1	1
	Hepatitis C, Chronic	21	18	16	14	15	24	15	14
	Hepatitis C, Unknown*	-	-	-	-	-	1	-	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	35	23	28	24	21	44	36	24
<b>Total</b>	1,908	7,159	13,632	5,005	3,123	3,374	4,502	5,005	

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

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

\*\*\* Data for cases reported in last 4 years is for entire year except for current year which is year to date

\*\*\* Data for cases reported in same quarter of last 4 years

# **2009 Quarterly Reportable Disease Summary**

## **Quarter 3 (July - September 2009)**



Ottawa County Health Department  
12251 James St  
Holland, MI 49424

The data in the Quarterly 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 Quarterly Disease Summary reflects this constant activity as the numbers may slightly fluctuate each quarter. Therefore, it should be kept in mind that numbers in the Quarterly Disease Summary are NOT final and should be used only to generally monitor trends over time. Suspected, probable, unknown, or laboratory confirmed cases of the reportable condition are included in the report.

Specific data requests and questions should be directed towards:

Lis McNeil RN BSN PEM  
Communicable Disease/TB/STD Clinical Supervisor  
lmneil@miottawa.org  
(616)393-5735

Disease Group	Reportable Condition	Cases in Last 4 Quarters*				Q3 Cases by Year**			
		Q4-08	Q1-09	Q2-09	Q3-09	Q3-06	Q3-07	Q3-08	Q3-09
<b>Foodborne</b>	Amebiasis	-	-	-	<b>1</b>	2	-	-	1
	Botulism - Foodborne	-	-	-	-	-	-	-	-
	Campylobacter	7	3	3	<b>13</b>	14	3	11	13
	Cryptosporidiosis	1	2	-	<b>2</b>	5	5	7	2
	Escherichia coli O157:H7	1	-	-	-	4	-	-	-
	Giardiasis	1	3	7	<b>12</b>	13	4	9	12
	Listeriosis	-	-	-	-	-	-	-	-
	Norovirus	-	-	-	-	-	-	-	-
	Salmonellosis	3	8	9	<b>3</b>	9	7	5	3
	Shiga toxin, E. Coli, Non O157	-	-	-	-	-	1	-	-
	Shiga toxin, E. Coli, Unsp	1	1	1	<b>2</b>	-	-	-	2
	Shigellosis	4	1	1	<b>3</b>	-	-	1	3
	Typhoid Fever	-	-	-	-	-	-	-	-
	Yersinia enteritis	-	-	-	-	-	-	1	-
	Foodborne Subtotal	18	18	21	<b>36</b>	47	20	34	36
<b>Meningitis</b>	Meningitis - Aseptic	4	2	3	<b>3</b>	9	6	3	3
	Meningitis - Bacterial Other	1	3	1	<b>1</b>	-	-	1	1
	Meningococcal Disease	-	-	-	-	1	-	-	-
	Streptococcus pneumoniae, Inv	4	3	-	<b>5</b>	1	-	-	5
	Meningitis Subtotal	9	8	4	<b>9</b>	11	6	4	9
<b>Other</b>	Anthrax	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	-	-	-	-	-
	Botulism - Infant	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	1	-	-
	Cholera	-	-	-	-	-	-	-	-
	Coccidioidomycosis	-	-	-	-	-	-	1	-
	Creutzfeldt-Jakob Disease	-	-	-	-	-	-	-	-
	Cryptococcosis	-	-	-	-	-	-	1	-
	Cyclosporiasis	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	-	-	-	-	-
	Encephalitis, Primary	-	1	-	-	-	-	-	-
	Flu Like Disease*	6,872	13,324	4,730	<b>1,492</b>	659	959	1,658	1,492
	Guillain-Barre Syndrome	-	-	-	-	-	-	-	-
	Hantavirus	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	-	-	-	-	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	-	-	-
	Histoplasmosis	-	2	1	<b>1</b>	4	3	-	1
	Influenza	3	60	1	<b>1</b>	-	-	-	1
	Influenza, 2009 Novel	-	-	-	-	-	-	-	-
	Influenza, Novel	-	-	56	<b>4</b>	-	-	-	4
	Kawasaki	1	1	-	-	1	-	-	-
Legionellosis	-	-	-	<b>2</b>	-	2	1	2	

Disease Group	Reportable Condition	Cases in Last 4 Quarters*				Q3 Cases by Year**			
		Q4-08	Q1-09	Q2-09	Q3-09	Q3-06	Q3-07	Q3-08	Q3-09
<b>Other</b>	Leprosy	-	-	-	-	-	-	-	-
	Leptospirosis	-	-	-	-	-	-	-	-
	Plague	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	-
	Q Fever*	-	-	-	-	-	-	-	-
	Q Fever Acute	-	-	-	-	-	-	-	-
	Q Fever Chronic	-	-	-	-	-	-	-	-
	Rabies Human	-	-	-	-	-	-	-	-
	Reye Syndrome	-	-	-	-	-	-	-	-
	Rheumatic Fever	-	-	-	-	-	-	-	-
	Rubella - Congenital	-	-	-	-	-	-	-	-
	Strep Pneumo, Drug Resistant	-	-	-	-	-	-	-	-
	Streptococcal Dis, Inv, Grp A	-	-	-	-	-	2	-	-
	Streptococcal Toxic Shock	-	-	-	-	-	-	-	-
	Toxic Shock	-	-	1	1	-	-	-	1
	Trachoma	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	-	-	-	-
	VISA	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-
	Other Subtotal	6,881	13,395	4,789	1,501	664	967	1,661	1,501
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	163	138	115	123	132	119	137	123
	Gonorrhea	27	15	12	14	15	11	25	14
	Granuloma Inguinale	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	-	-	-
	Syphilis - Early Latent	-	-	1	-	-	-	-	-
	Syphilis - Late Latent	-	-	-	-	-	-	-	-
	Syphilis - Late with Manifestations	-	-	-	-	-	-	-	-
	Syphilis - Latent of Unknown Duration	1	-	-	-	1	-	1	-
	Syphilis - Primary	-	-	-	-	-	-	-	-
	Syphilis - Secondary	1	-	-	-	1	-	-	-
	STD Subtotal	192	153	128	137	149	130	163	137
<b>Tuberculosis</b>	Tuberculosis	1	-	1	-	-	1	2	-
<b>VPD</b>	Chickenpox (Varicella)	34	25	21	3	9	18	6	3
	Diphtheria	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	1	-	-	-	-	-	-	-
	Measles	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-
	Pertussis	-	5	13	10	2	2	2	10
	Polio	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-
	Shingles	-	-	-	-	-	-	-	-
	Tetanus	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	-	-	-	-	-
	VPD Subtotal	35	30	34	13	11	20	8	13

Disease Group	Reportable Condition	Cases in Last 4 Quarters*				Q3 Cases by Year**			
		Q4-08	Q1-09	Q2-09	Q3-09	Q3-06	Q3-07	Q3-08	Q3-09
<b>Vectorborne</b>	Dengue Fever	-	-	-	-	-	1	-	-
	Ehrlichiosis*	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	-	-	-
	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-
<b>Vectorborne</b>	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	2	3	2	1	2
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	-	-	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	2	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	-	-	4	2	5	3	1	2
<b>Viral Hepatitis</b>	Hepatitis A	-	-	1	-	-	1	-	-
	Hepatitis B, Acute	-	-	-	-	-	3	-	-
	Hepatitis B, Chronic	4	7	13	9	9	3	6	9
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	1	-	-	-	-	-
	Hepatitis C, Chronic	18	16	14	27	21	25	21	27
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	23	28	24	30	29	48	35	30
<b>Total</b>	7,159	13,632	5,005	1,728	916	1,195	1,908	1,728	

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

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

\*\*\* Data for cases reported in last 4 years is for entire year except for current year which is year to date

\*\*\* Data for cases reported in same quarter of last 4 years

# **2009 Quarterly Reportable Disease Summary**

## **Quarter 4 (October - December 2009)**



Ottawa County Health Department  
12251 James St  
Holland, MI 49424

The data in the Quarterly 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 Quarterly Disease Summary reflects this constant activity as the numbers may slightly fluctuate each quarter. Therefore, it should be kept in mind that numbers in the Quarterly Disease Summary are NOT final and should be used only to generally monitor trends over time. Suspected, probable, unknown, or laboratory confirmed cases of the reportable condition are included in the report.

Specific data requests and questions should be directed towards:

Lis McNeil RN BSN PEM  
Communicable Disease/TB/STD Clinical Supervisor  
lmcneil@miottawa.org  
(616)393-5735

Disease Group	Reportable Condition	Cases in Last 4 Quarters*				Q4 Cases by Year**			
		Q1-09	Q2-09	Q3-09	Q4-09	Q4-06	Q4-07	Q4-08	Q4-09
<b>Foodborne</b>	Amebiasis	-	-	1	-	1	-	-	-
	Botulism - Foodborne	-	-	-	-	-	-	-	-
	Campylobacter	3	3	13	<b>4</b>	8	11	7	4
	Cryptosporidiosis	2	-	2	-	2	1	1	-
	Escherichia coli 0157:H7	-	-	-	-	1	-	1	-
	Giardiasis	3	7	12	<b>9</b>	7	5	1	9
	Listeriosis	-	-	-	-	-	-	-	-
	Norovirus	-	-	-	-	-	-	-	-
	Salmonellosis	10	10	3	<b>6</b>	3	4	4	6
	Shiga toxin, E. Coli, Non O157	-	-	-	-	-	1	-	-
	Shiga toxin, E. Coli, Unsp	1	1	3	-	-	1	1	-
	Shigellosis	1	2	3	-	-	1	5	-
	Typhoid Fever	-	-	-	-	-	-	-	-
	Yersinia enteritis	-	-	-	-	-	-	-	-
	Foodborne Subtotal		20	23	37	<b>19</b>	22	24	20
<b>Meningitis</b>	Meningitis - Aseptic	2	3	5	<b>8</b>	8	8	4	8
	Meningitis - Bacterial Other	3	1	1	-	1	2	1	-
	Meningococcal Disease	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Inv	3	1	5	<b>9</b>	1	6	4	9
	Meningitis Subtotal	8	5	11	<b>17</b>	10	16	9	17
<b>Influenza</b>	Flu Like Disease*	13,325	4,730	1,492	<b>14,492</b>	4,246	7,607	6,872	14,492
	Influenza	61	1	1	<b>66</b>	1	-	3	66
	Influenza, 2009 Novel	-	-	-	<b>83</b>	-	-	-	83
	Influenza, Novel	-	73	8	-	-	-	-	-
	Influenza Subtotal	13,386	4,804	1,501	<b>14,641</b>	4,247	7,607	6,875	14,641
<b>Other</b>	Anthrax	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	-	-	-	-	-
	Botulism - Infant	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	1	-	-	-	-	-
	Brucellosis	-	1	-	-	-	-	-	-
	Cholera	-	-	-	-	-	-	-	-
	Coccidioidomycosis	1	1	1	-	-	-	-	-
	Creutzfeldt-Jakob Disease	-	-	-	-	-	-	-	-
	Cryptococcosis	-	-	-	<b>1</b>	-	-	-	1
	Cyclosporiasis	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	-	1	-	-	-
	Encephalitis, Primary	1	-	-	-	-	-	-	-
	Guillain-Barre Syndrome	-	-	-	<b>2</b>	-	-	-	2
	Hantavirus	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	-	-	-	-	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-
Hepatitis - Unspecified	-	1	-	-	-	-	-	-	
Histoplasmosis	3	1	1	<b>5</b>	3	5	2	5	
Kawasaki	1	-	1	-	-	-	1	-	





Disease Group	Reportable Condition	Cases in Last 4 Quarters*				Q4 Cases by Year**			
		Q1-09	Q2-09	Q3-09	Q4-09	Q4-06	Q4-07	Q4-08	Q4-09
	VPD Subtotal	32	36	14	<b>14</b>	46	76	36	14
<b>Vectorborne</b>	Dengue Fever	-	-	-	-	-	1	-	-
	Ehrlichiosis*	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	-	-	-
<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	-	-	-	-	1	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	-	6	4	<b>1</b>	3	2	1	1
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	-	-	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	-	6	4	<b>1</b>	4	3	1	1
<b>Viral Hepatitis</b>	Hepatitis A	-	2	1	-	2	2	2	-
	Hepatitis B, Acute	-	-	1	<b>1</b>	-	1	-	1
	Hepatitis B, Chronic	16	20	14	<b>13</b>	11	7	14	13
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	-	-	-	-	-	-
	Hepatitis C, Chronic	20	17	31	<b>29</b>	20	16	21	29
	Hepatitis C, Unknown*	-	-	-	-	-	-	1	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	<b>1</b>	-	-	-	1
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	36	39	47	44	33	26	38	44
	<b>Total</b>	13,659	5,054	1,768	14,901	4,508	7,934	7,193	14,901

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

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

\*\*\* Data for cases reported in last 4 years is for entire year except for current year which is year to date

\*\*\* Data for cases reported in same quarter of last 4 years

# **Year End Reportable Disease Summary 2009**

Ottawa County Health Department  
12251 James St  
Holland, MI 49424

The data in the Yearly 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 Quarterly Disease Summary reflects this constant activity as the numbers may slightly fluctuate each quarter. Therefore, it should be kept in mind that numbers in the Quarterly Disease Summary are NOT final and should be used only to generally monitor trends over time. Suspected, probable, unknown or laboratory confirmed cases of the reportable condition are included in the report.

Specific data requests and questions should be directed towards:

Disease Group	Reportable Condition	Ottawa County Cases**					Michigan Cases				
		2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
<b>Foodborne</b>	Amebiasis	-	3	-	1	1	49	58	43	50	25
	Botulism - Foodborne	-	-	-	-	-	1	-	-	-	-
	Campylobacter	23	36	22	39	23	817	912	890	1,036	926
	Cryptosporidiosis	-	13	12	13	4	112	150	211	281	288
	Escherichia coli 0157:H7	5	6	-	1	-	83	76	70	153	62
	Giardiasis	29	27	20	25	31	788	712	620	596	665
	Listeriosis	1	-	1	1	-	27	20	23	20	28
	Salmonellosis	38	24	23	20	26	951	993	973	945	948
	Shiga toxin, E. Coli, Non O157	-	-	2	-	-	2	6	26	29	29
	Shiga toxin, E. Coli, Unsp	-	-	1	1	4	8	14	35	34	70
	Shigellosis	6	2	1	7	5	234	150	82	260	216
	Typhoid Fever	-	-	-	-	-	6	7	7	9	12
	Yersinia enterocolitica	1	-	-	1	-	21	24	23	23	22
	Foodborne Subtotal	103	111	82	109	94	3,099	3,122	3,003	3,436	3,291
<b>Meningitis</b>	Meningitis - Aseptic	15	19	20	14	15	1,228	1,131	975	970	830
	Meningitis - Bacterial Other	2	1	3	3	5	143	120	149	274	343
	Meningococcal Disease	-	1	-	1	-	44	29	30	39	24
	Streptococcus pneumoniae, Inv	8	6	10	8	16	418	594	649	601	657
	Meningitis Subtotal	25	27	33	26	36	1,833	1,874	1,803	1,884	1,854
<b>Other</b>	Anthrax	-	-	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	-	-	11	20	16	26	16
	Botulism - Infant	-	-	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-	-	1
	Brucellosis	-	-	1	-	-	1	3	5	1	11
	Cholera	-	-	-	-	-	2	-	1	-	1
	Coccidioidomycosis	-	2	-	3	-	15	46	26	39	26
	Creutzfeldt-Jakob Disease	-	-	-	1	-	11	7	14	16	13
	Cryptococcosis	-	-	-	2	1	54	50	49	69	54
	Cyclosporiasis	-	-	-	-	-	2	-	1	1	3
	Encephalitis, Post Chickenpox	-	-	-	-	-	1	3	1	1	1
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	1	-	-	-	12	19	16	10	12
	Encephalitis, Primary	1	-	-	-	1	28	32	31	25	10
	Flu Like Disease*	25,333	16,427	19,756	28,122	34,038	437,093	390,141	403,335	414,114	690,155
	Guillain-Barre Syndrome	1	2	1	1	2	62	54	53	54	75
	Hantavirus	-	-	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	-	-	5	5	6	6	8
	Hemorrhagic Fever	-	-	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	4	1	1	3	1
	Histoplasmosis	7	7	10	-	6	67	116	126	94	64
	Influenza	-	-	5	17	127	1	98	1,140	2,858	5,638
	Influenza, 2009 Novel	-	-	-	-	67	-	-	-	1	9,657
	Influenza, Novel	-	-	-	-	60	-	-	1	-	1,515
	Kawasaki	-	2	1	1	1	75	98	70	74	73
Legionellosis	1	1	2	1	3	123	174	189	181	193	
Leprosy	-	-	-	-	-	1	-	2	-	1	

<b>Other</b>	Leptospirosis	-	-	-	-	-	1	1	3	1	-
	Plague	-	-	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	2	-	-
	Q Fever*	-	-	-	-	-	-	-	-	2	1
	Q Fever Acute	-	-	-	-	-	-	-	-	2	1
	Q Fever Chronic	-	-	-	-	-	-	-	-	-	-
	Rabies Human	-	-	-	-	-	-	-	-	-	1
	Reye Syndrome	-	-	-	-	-	-	1	-	-	-
	Rheumatic Fever	-	-	-	-	-	1	1	2	4	2
	Rubella - Congenital	-	-	-	-	-	-	-	-	-	-
	Strep Pneumo, Drug Resistant	-	-	-	-	-	47	17	4	23	26
	Streptococcal Dis, Inv, Grp A	5	2	4	2	-	215	199	209	192	163
	Streptococcal Toxic Shock	-	-	-	-	-	3	2	2	1	-
	Toxic Shock	-	-	-	-	2	10	7	8	10	12
	Trachoma	-	-	-	-	-	1	4	3	2	1
	Trichinosis	-	-	-	-	-	4	-	-	-	1
	Tularemia	-	-	-	-	-	2	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	3	1
	VISA	-	-	-	-	-	-	1	2	6	5
	VRSA	-	-	-	-	-	3	1	2	-	1
Other Subtotal		25,348	16,453	19,781	28,155	34,318	437,983	391,430	405,439	419,196	720,385
<b>STD</b>	Chancroid	-	-	-	-	-	-	1	-	-	-
	Chlamydia (Genital)	428	510	479	562	501	39,419	38,863	38,750	42,439	45,469
	Gonorrhea	62	66	58	101	55	18,122	16,767	15,771	16,104	14,302
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-	1
	Lymphogranuloma venereum	-	-	-	-	-	1	-	-	-	-
	Syphilis - Congenital	-	-	-	-	-	17	9	12	8	10
	Syphilis - Early Latent	-	-	-	-	1	69	44	75	96	154
	Syphilis - Late Latent	-	-	-	1	-	42	105	122	72	87
	Syphilis - Late with Manifestations	-	-	-	1	-	8	6	8	9	20
	Syphilis - Latent of Unknown Duration	3	1	-	2	1	244	107	139	129	140
	Syphilis - Primary	1	-	-	-	-	40	41	39	62	66
	Syphilis - Secondary	-	1	1	1	-	65	87	87	135	167
	STD Subtotal		494	578	538	668	558	58,027	56,030	55,003	59,054
<b>Tuberculosis</b>	Tuberculosis	5	6	3	5	1	205	175	183	190	147
<b>VPD</b>	Chickenpox (Varicella)	145	299	187	113	60	4,008	5,239	4,137	2,843	1,887
	Diphtheria	-	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	2	2	-	1	-	24	32	30	30	26
	Measles	-	-	-	-	-	1	1	3	4	-
	Mumps	-	-	-	-	-	23	85	29	39	21
	Pertussis	8	5	5	5	31	334	628	274	347	890
	Polio	-	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	1	1	3	-	-
	Shingles	-	-	-	-	-	12	71	90	102	140
	Tetanus	-	-	-	-	-	1	3	-	1	-
	VZ Infection, Unspecified	-	-	-	-	-	-	-	-	-	65
	VPD Subtotal		155	306	192	119	91	4,404	6,060	4,566	3,366
<b>Vectorborne</b>	Dengue Fever	-	1	2	-	-	7	9	13	11	5
	Ehrlichiosis*	-	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, Anaplasma phagocytophilum	-	-	-	-	-	-	-	-	-	-

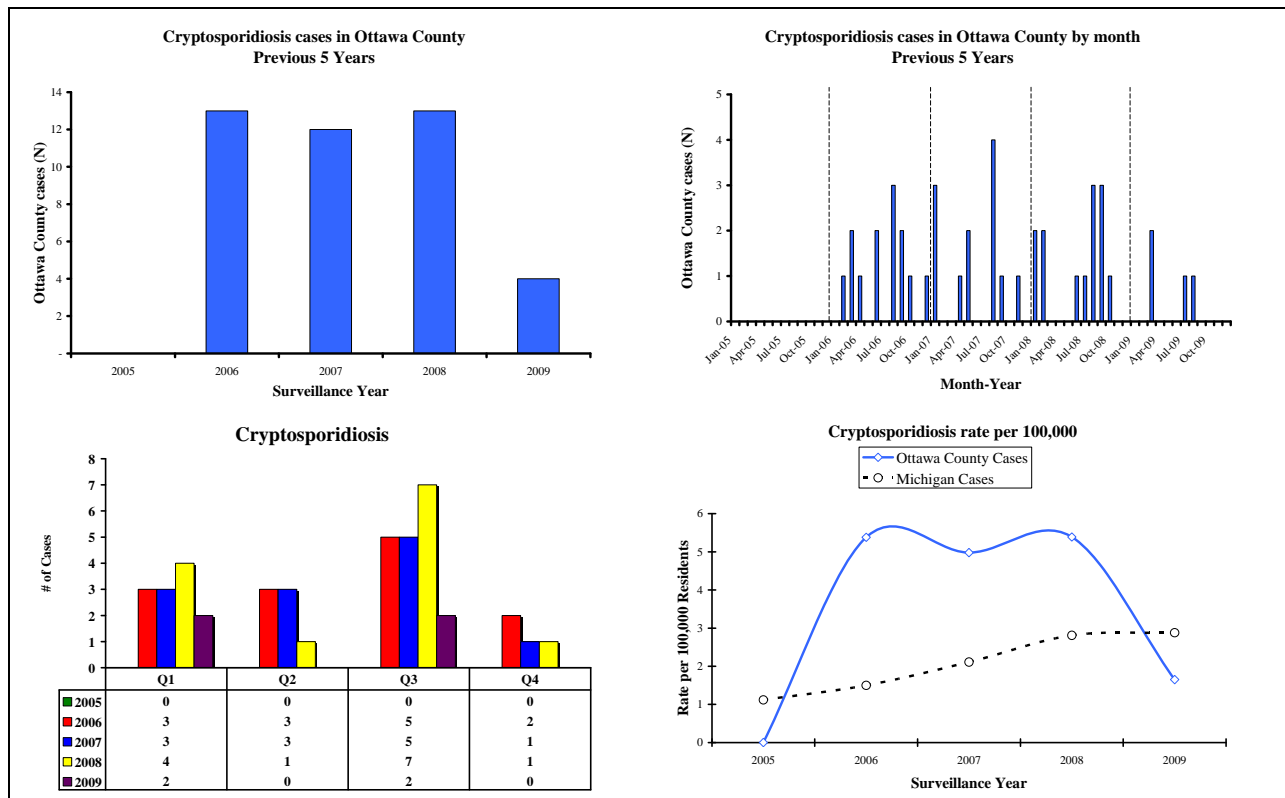
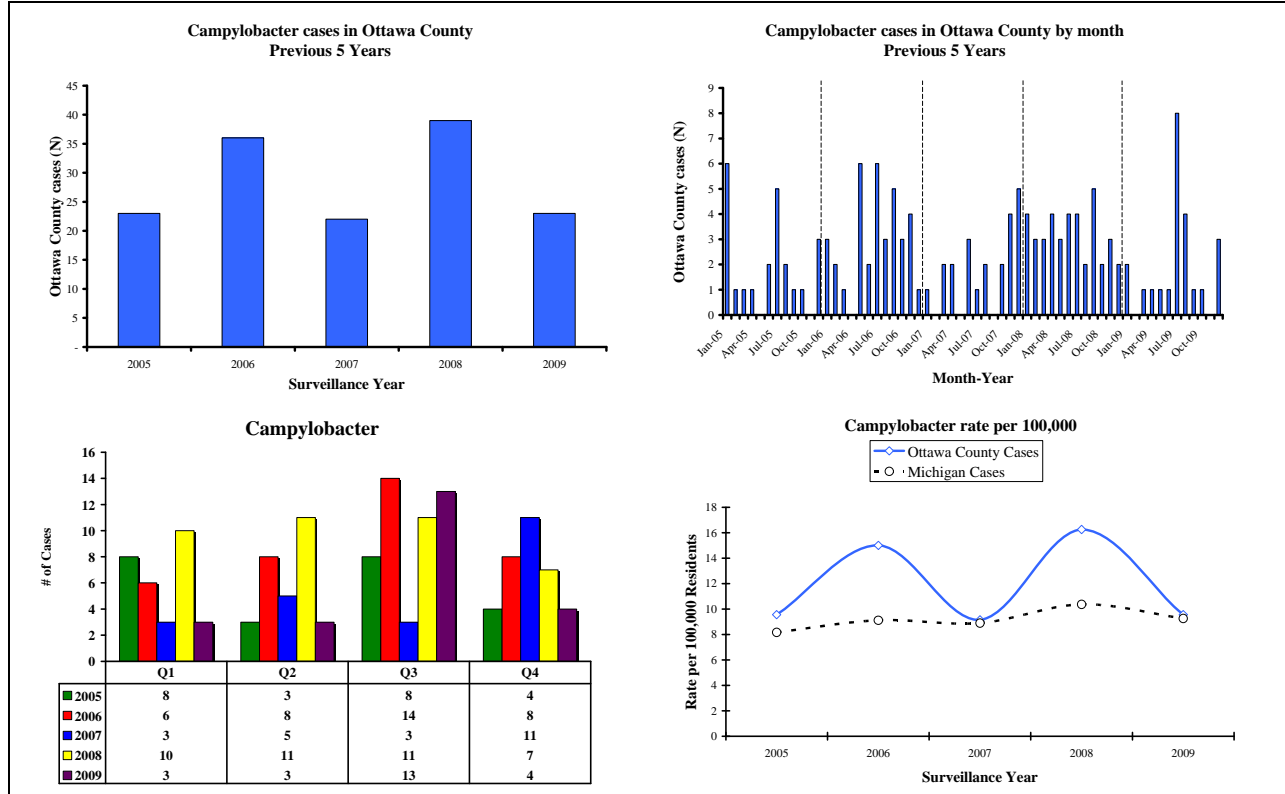
<b>Vectorborne</b>	Ehrlichiosis, Ehrlichia chaffeensis	-	-	-	-	-	-	-	-	-	7
	Ehrlichiosis, Ehrlichia ewingii	-	-	-	-	-	-	-	-	-	-
	Ehrlichiosis, human granulocytic*	-	-	-	-	-	2	1	-	-	-
	Ehrlichiosis, human monocytic*	-	-	-	-	-	-	2	-	3	-
	Ehrlichiosis, human other/undetermined	-	-	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp*	-	-	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	1	1	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	1	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-	-
	Lyme Disease	4	4	3	2	6	63	56	68	91	110
	Malaria	-	-	-	-	-	24	22	23	17	31
	Rocky Mt Spotted Fever	-	-	1	-	-	5	7	3	3	5
	Typhus	-	-	-	-	-	2	-	-	-	-
	West Nile Virus	1	2	-	-	-	64	65	20	20	1
Yellow Fever	-	-	-	-	-	-	-	-	-	-	
Vectorborne Subtotal	5	7	6	2	6	514	814	831	744	807	
<b>Viral Hepatitis</b>	Hepatitis A	5	-	4	2	1	128	136	118	134	91
	Hepatitis B, Acute	2	1	5	3	-	182	169	136	166	172
	Hepatitis B, Chronic	33	37	17	25	38	1,681	1,902	1,822	2,008	1,919
	Hepatitis B, Perinatal	-	1	-	-	-	2	3	2	2	-
	Hepatitis C, Acute	1	1	4	2	2	110	296	148	168	213
	Hepatitis C, Chronic	85	88	85	80	80	7,370	8,132	6,622	8,384	7,519
	Hepatitis C, Unknown*	-	-	1	2	-	-	2	17	234	-
	Hepatitis D	-	-	-	-	-	1	4	1	1	0
	Hepatitis E	-	-	-	-	1	2	1	0	10	8
	Hepatitis Non A Non B	-	-	-	-	-	0	0	0	0	0
	Viral Hepatitis Subtotal	126	128	116	114	122	9476	10645	8866	11107	9922
<b>Total</b>	26,261	17,616	20,751	29,198	35,226	515,541	470,150	479,694	498,977	799,864	

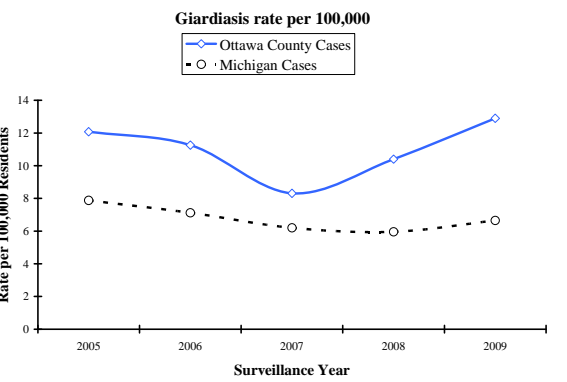
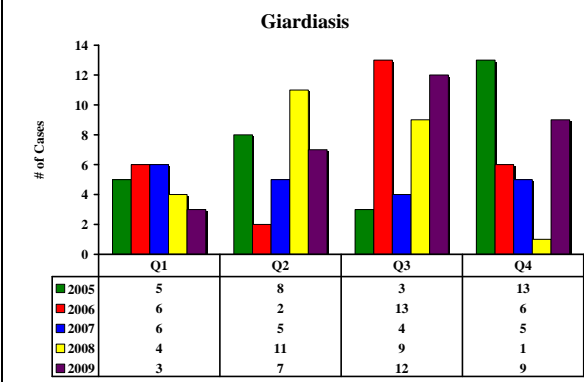
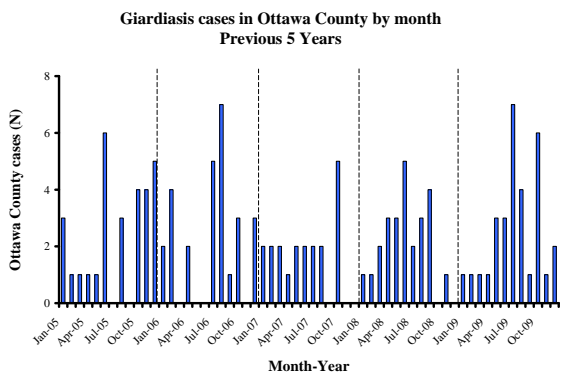
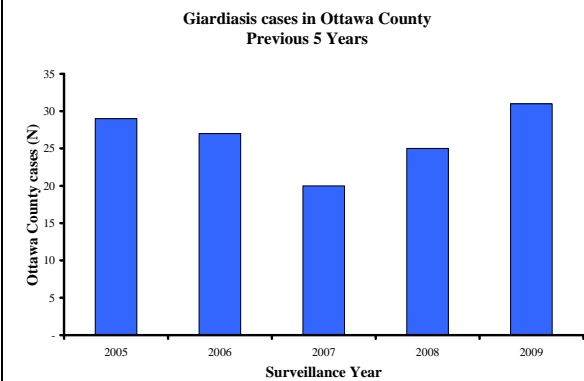
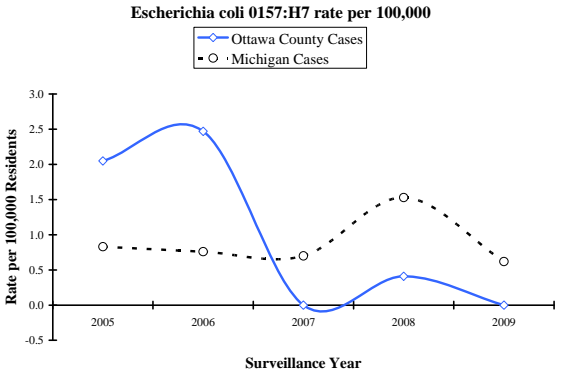
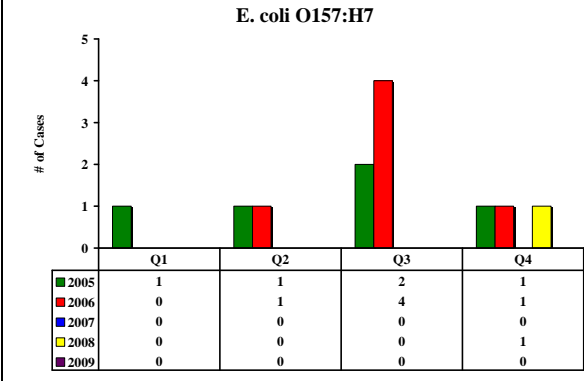
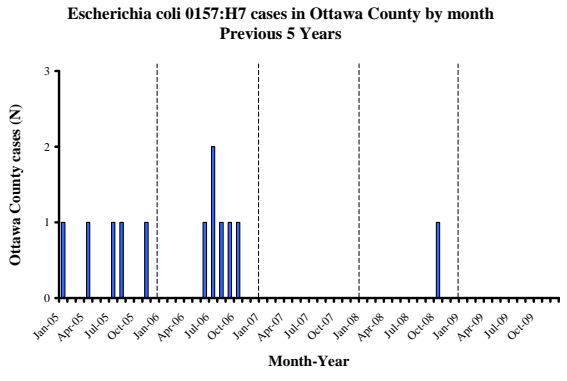
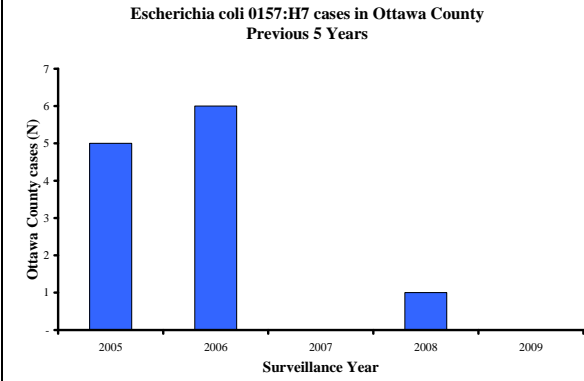
\* Indicates disease no longer reported into the MDSS on an individual cases basis.

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

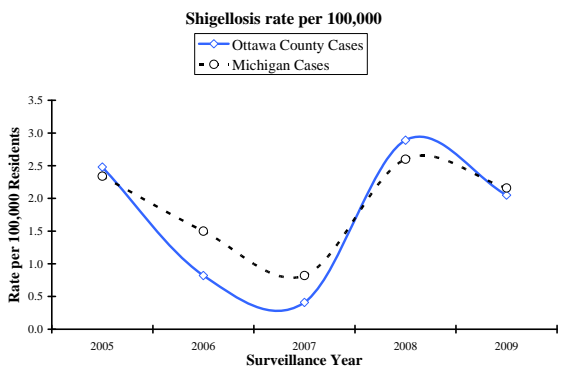
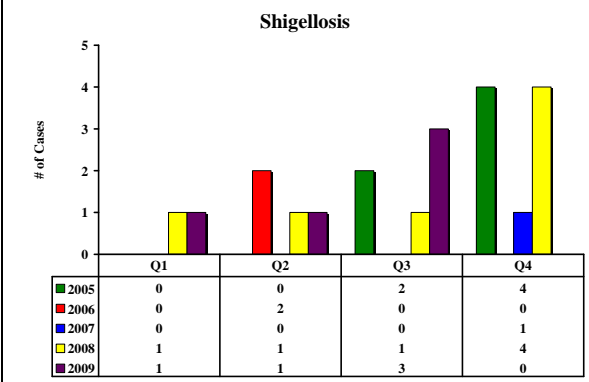
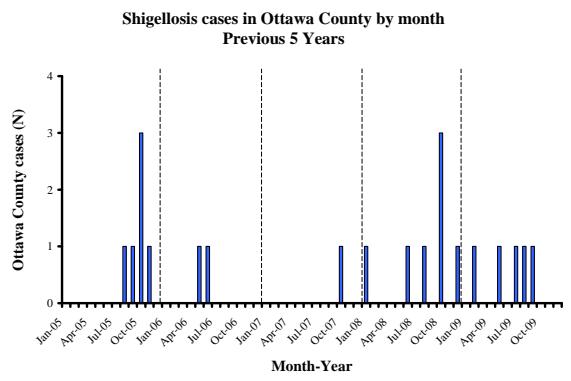
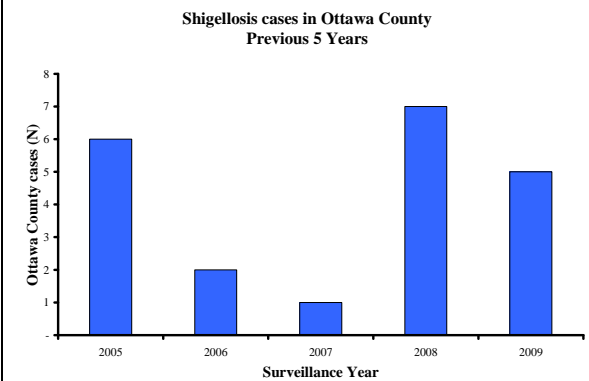
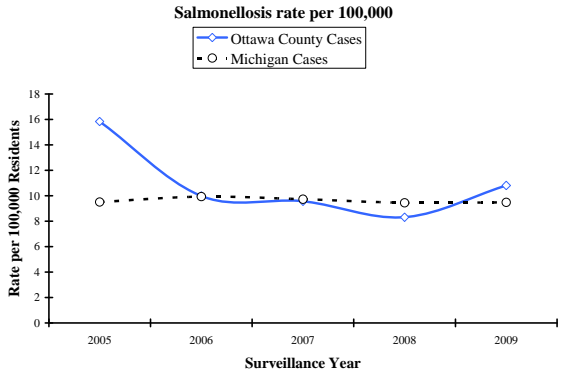
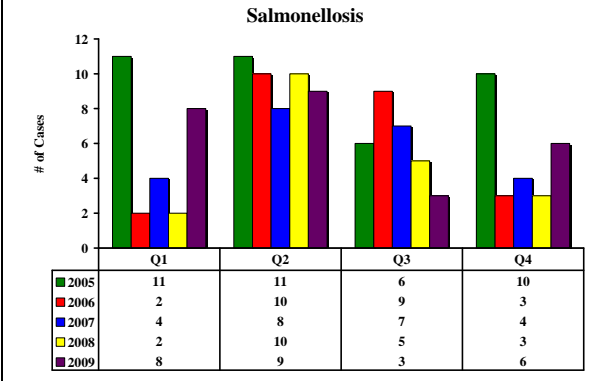
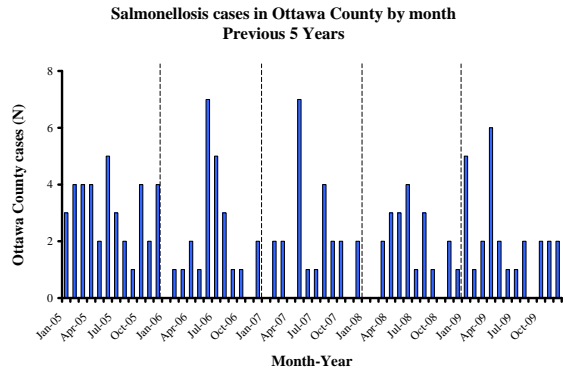
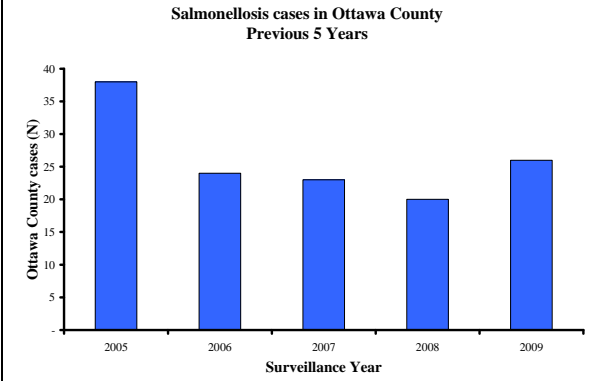
'-' Indicates no cases were reported

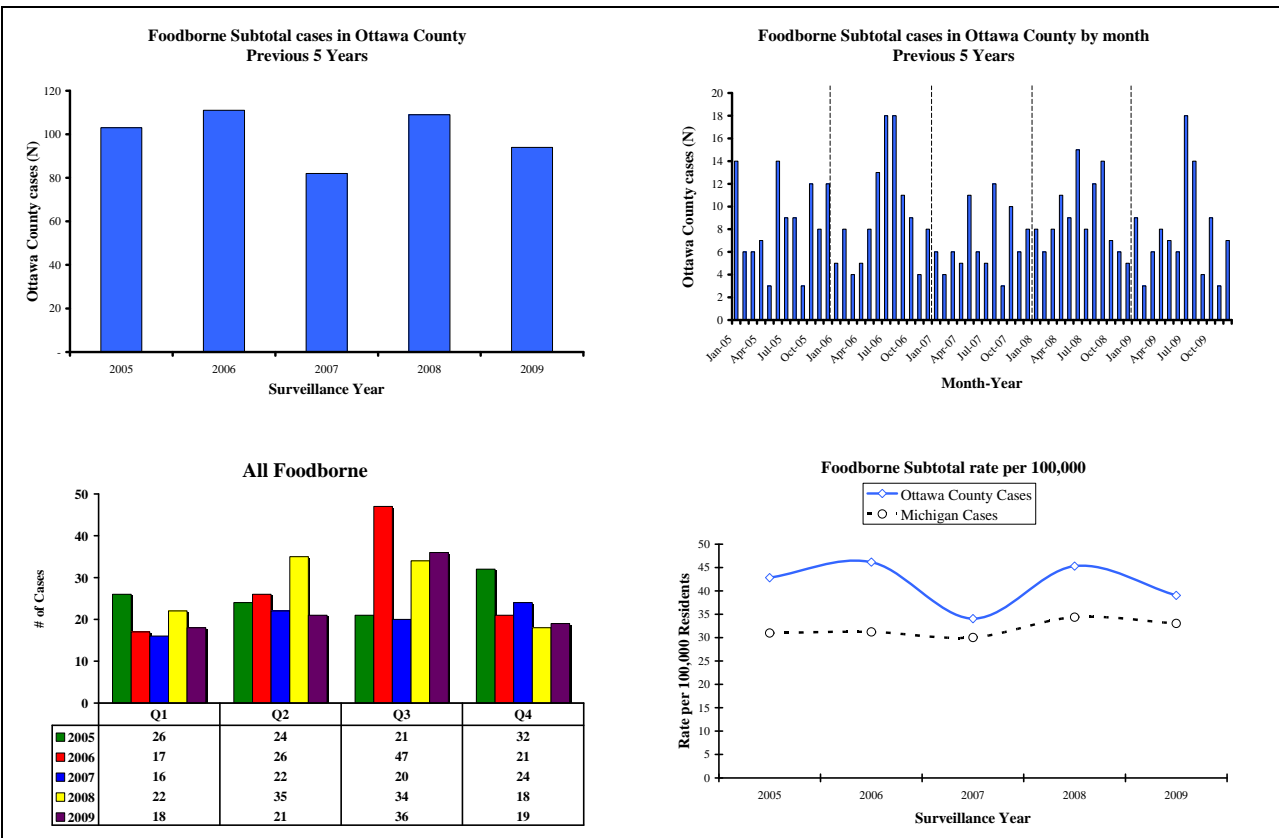
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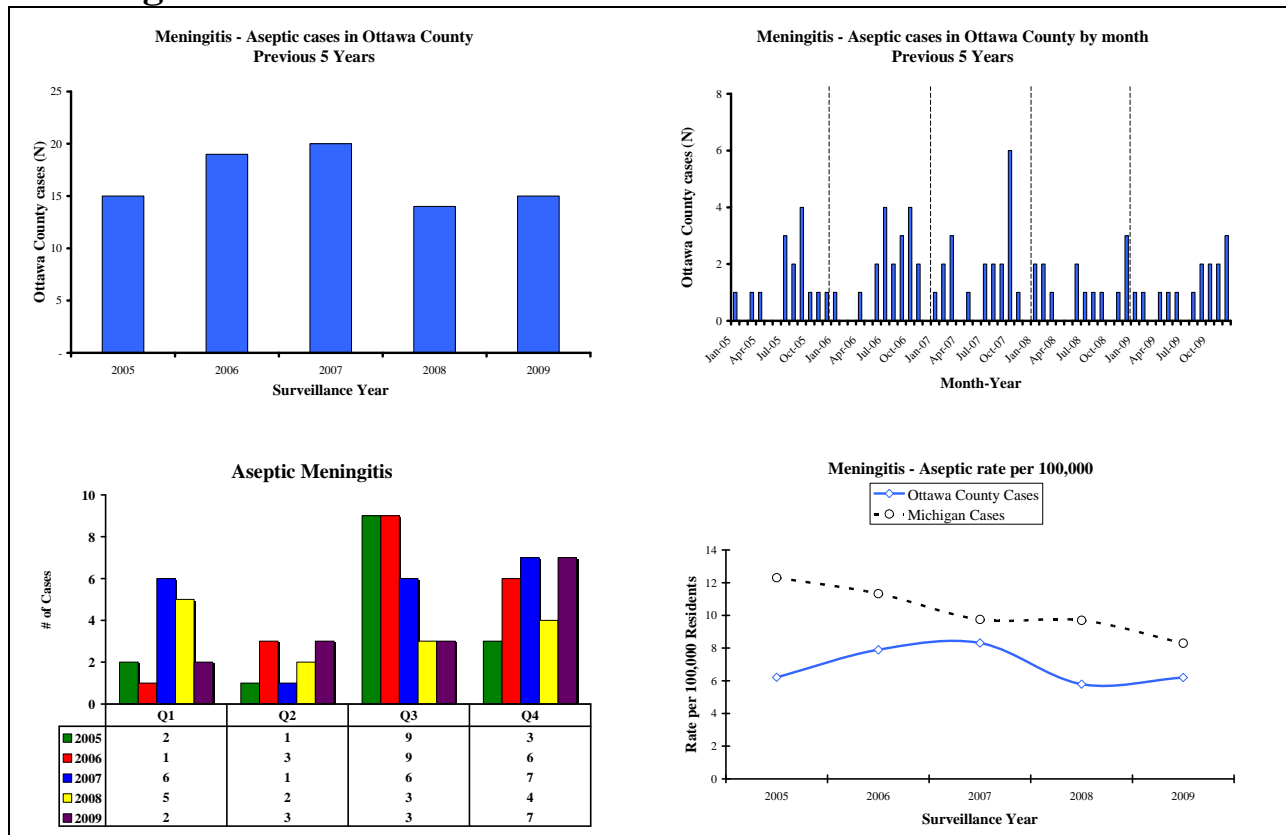


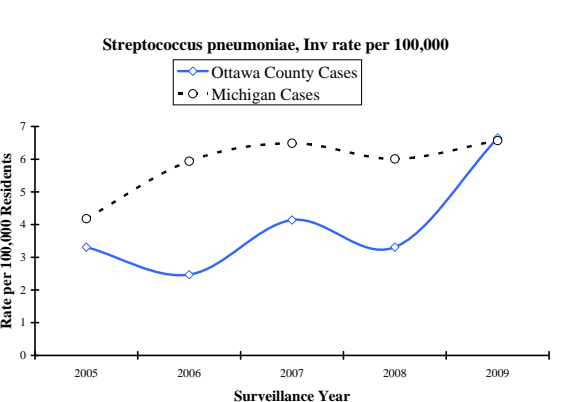
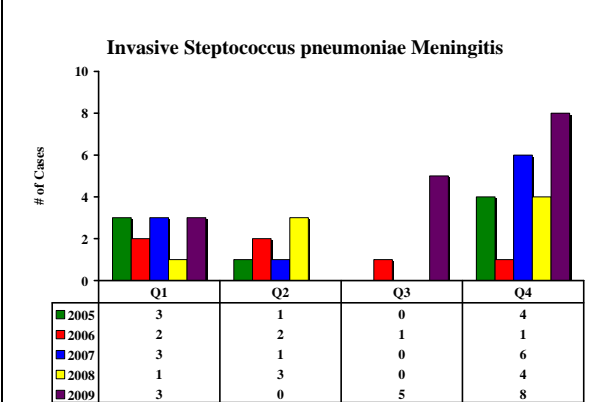
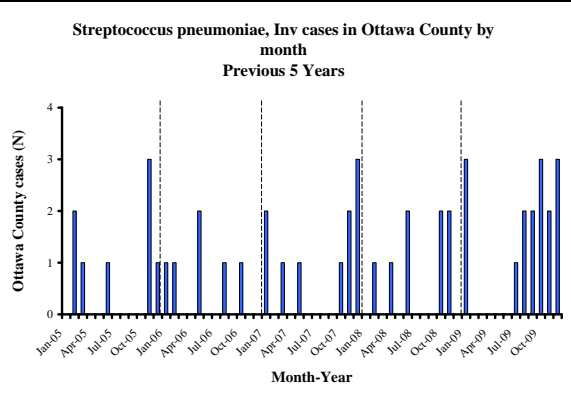
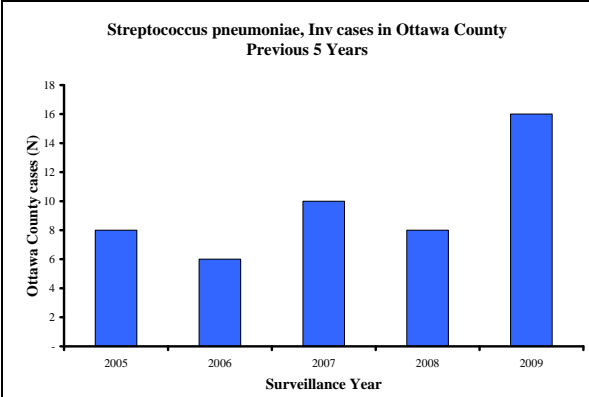
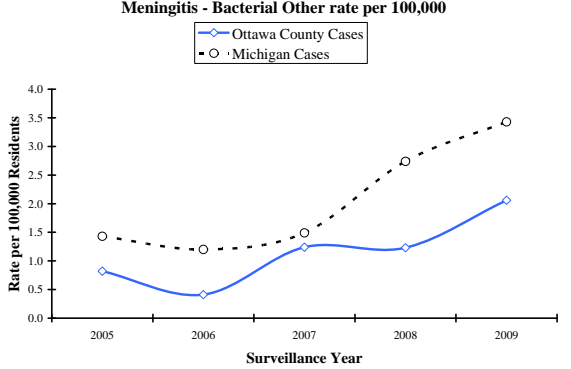
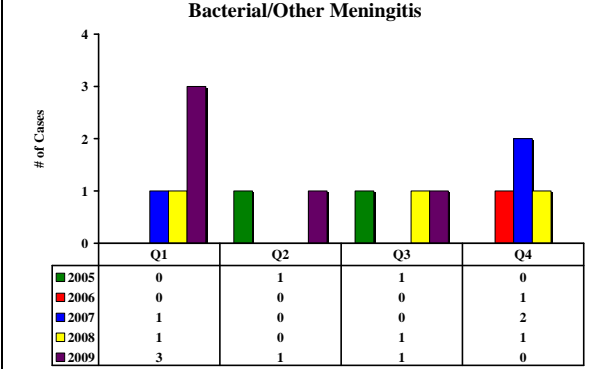
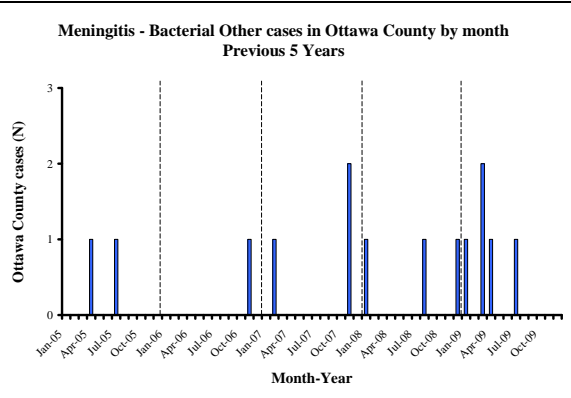
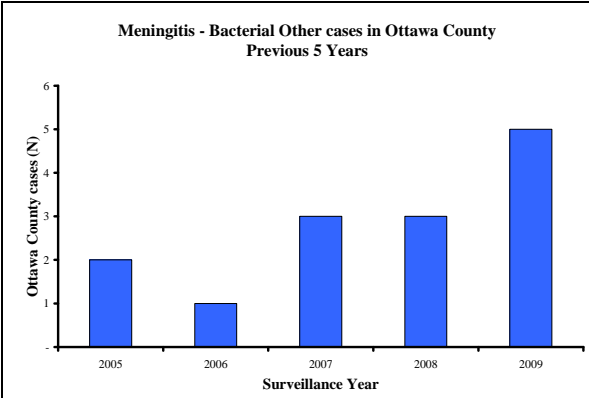


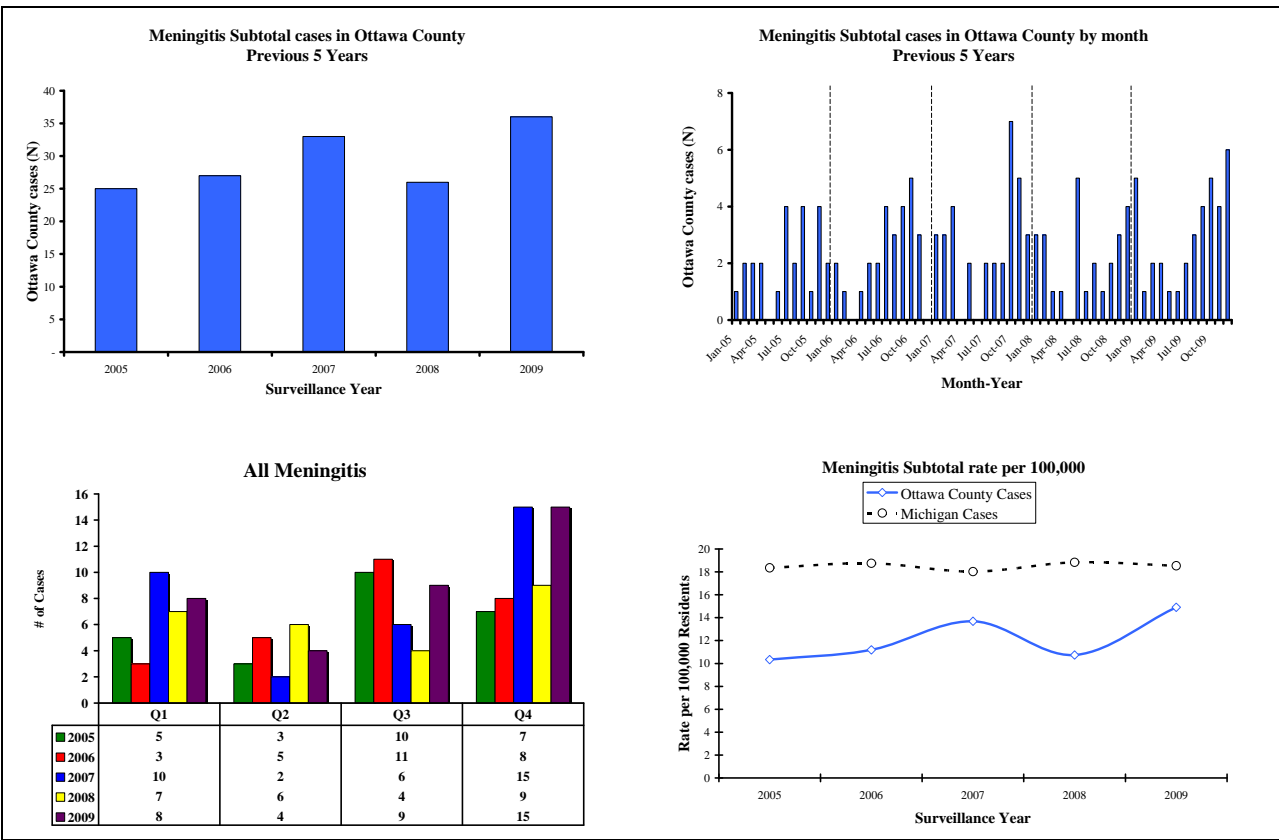




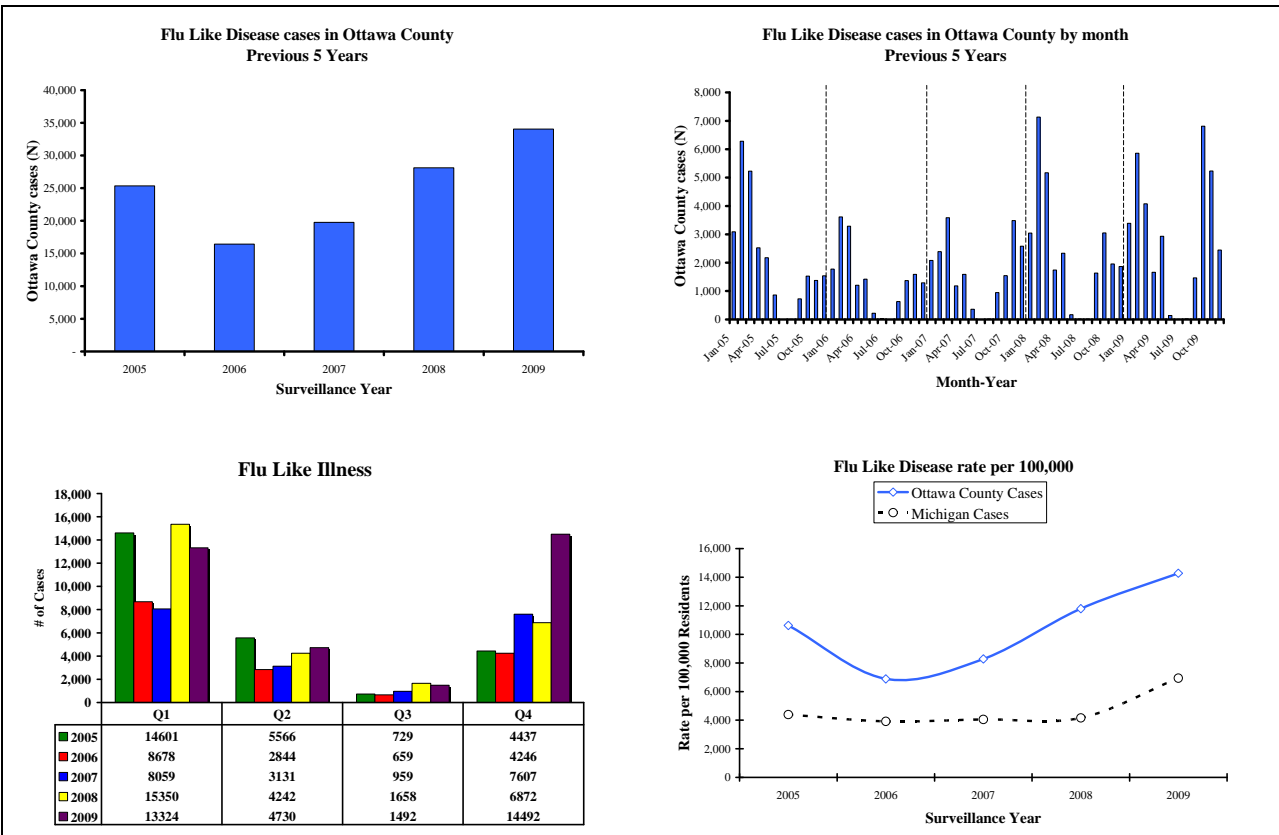
## Meningitis:

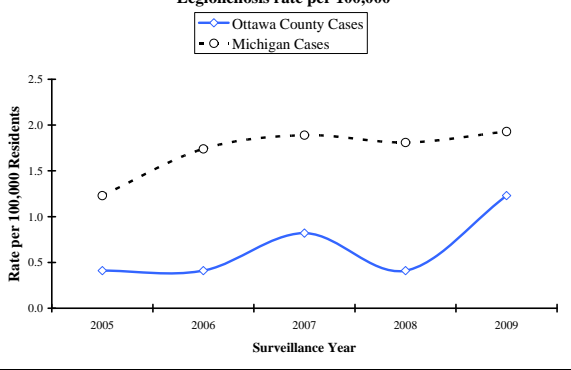
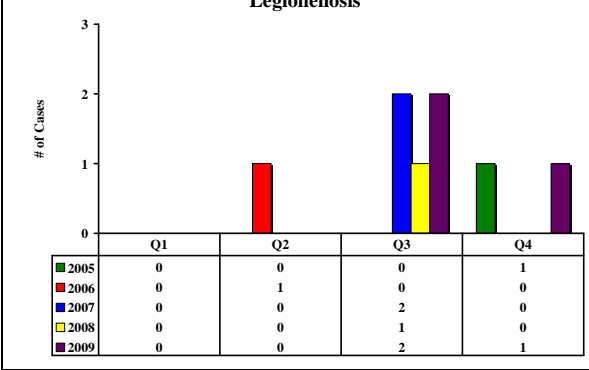
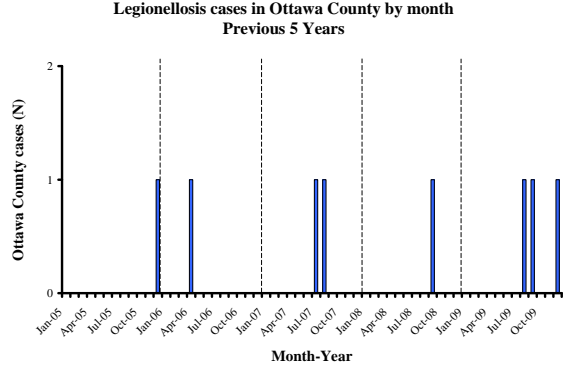
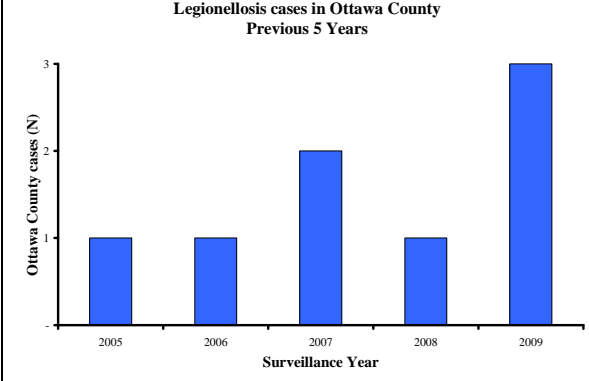
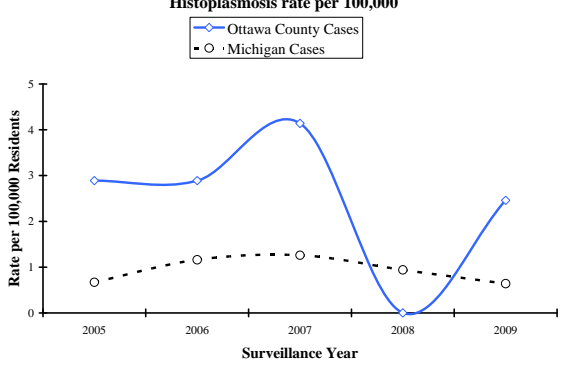
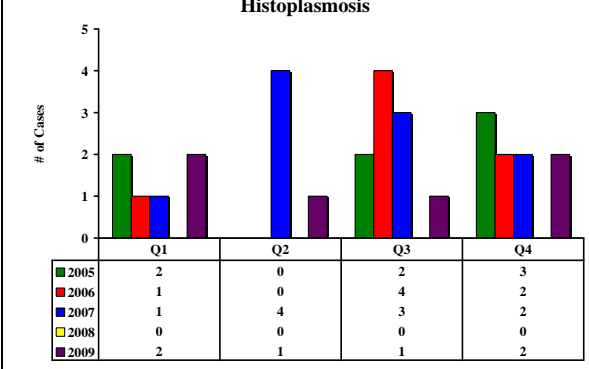
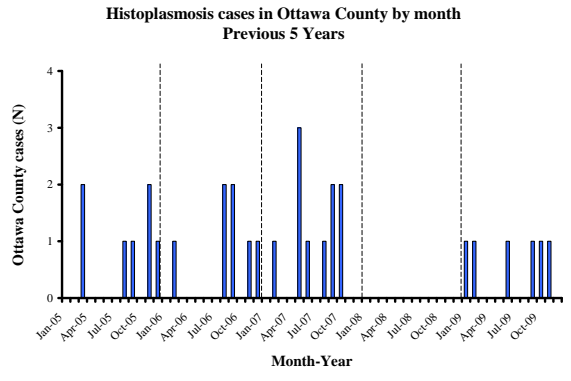
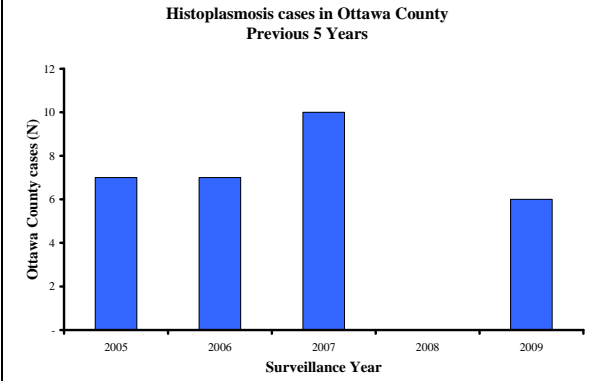


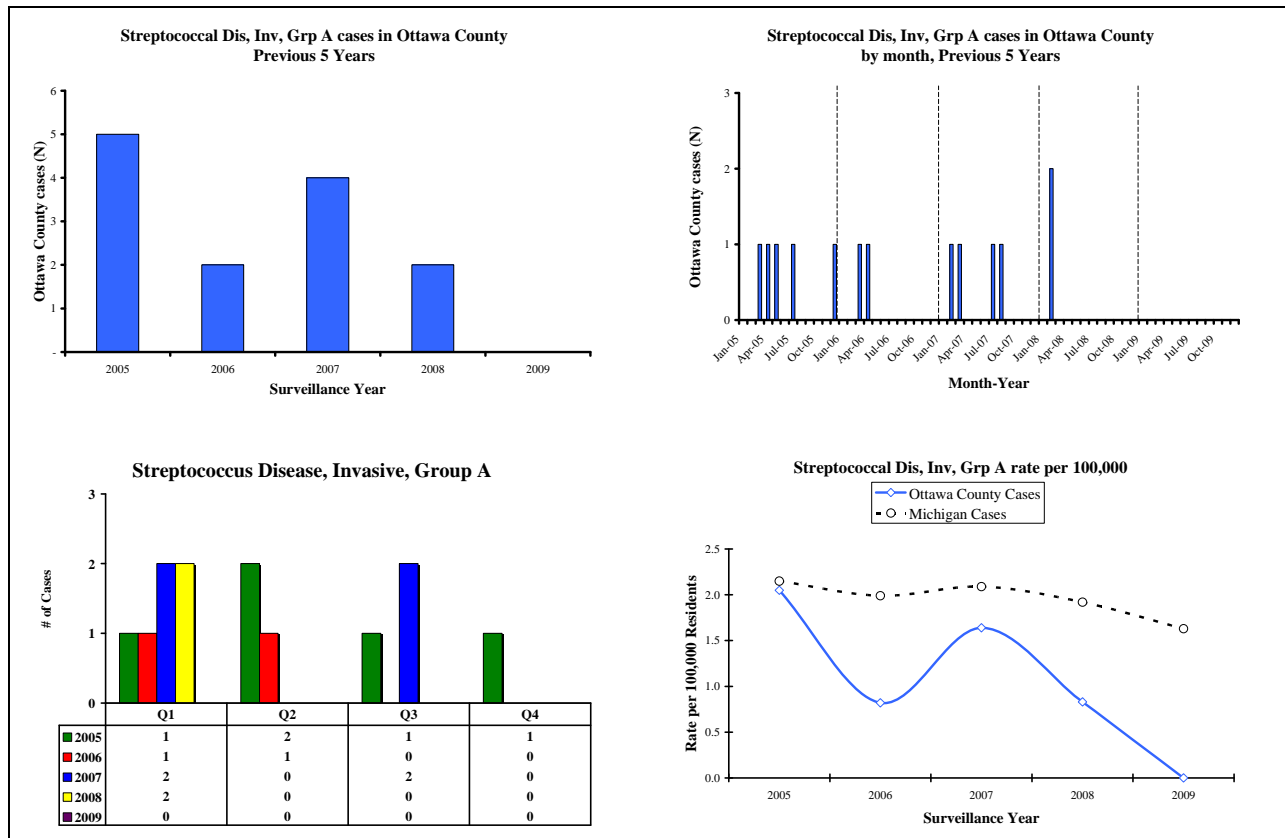




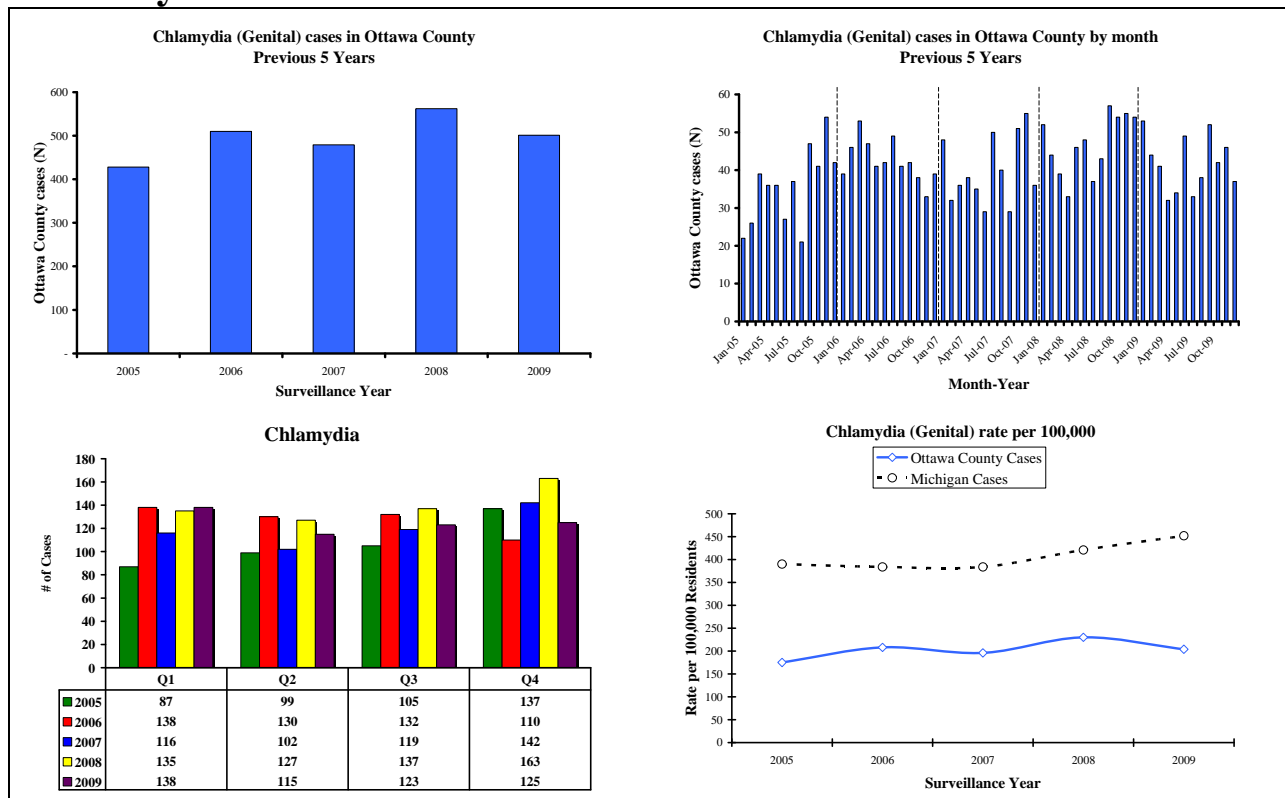
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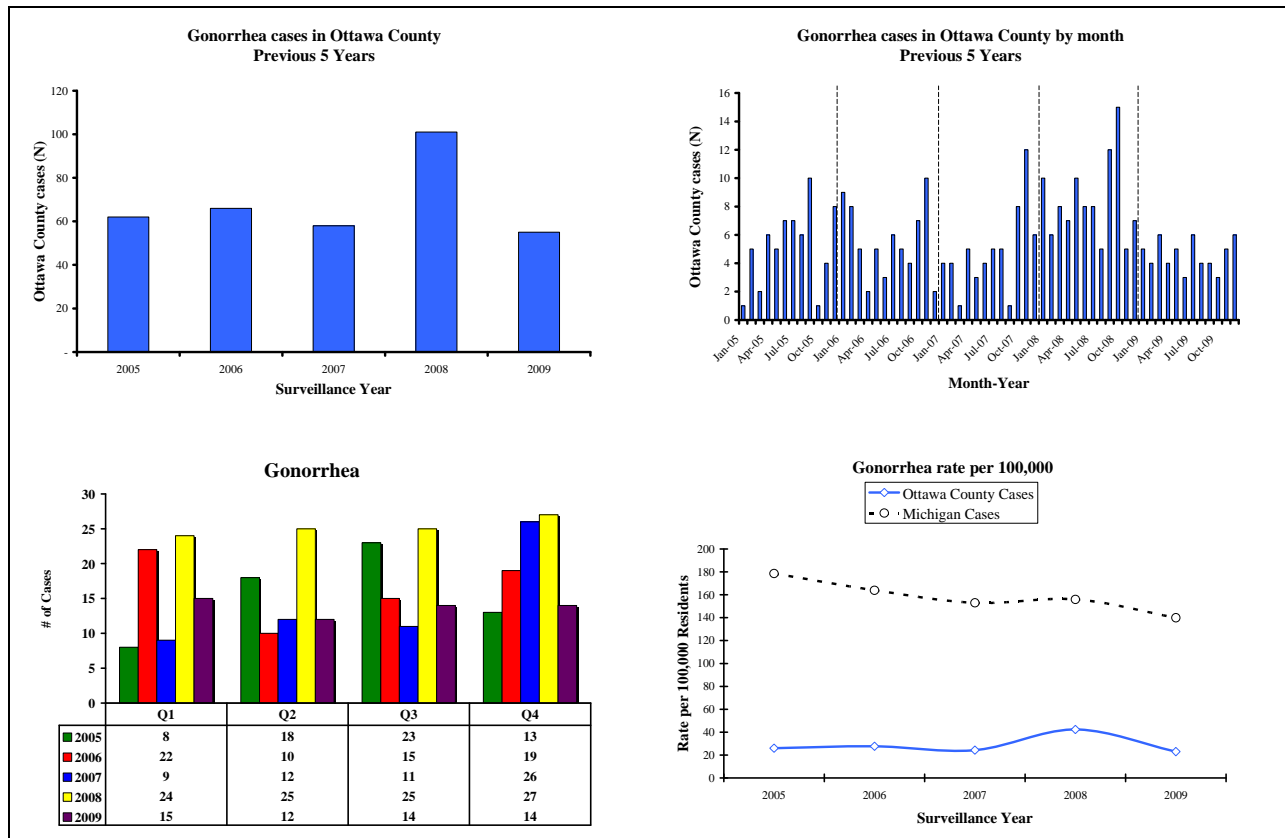




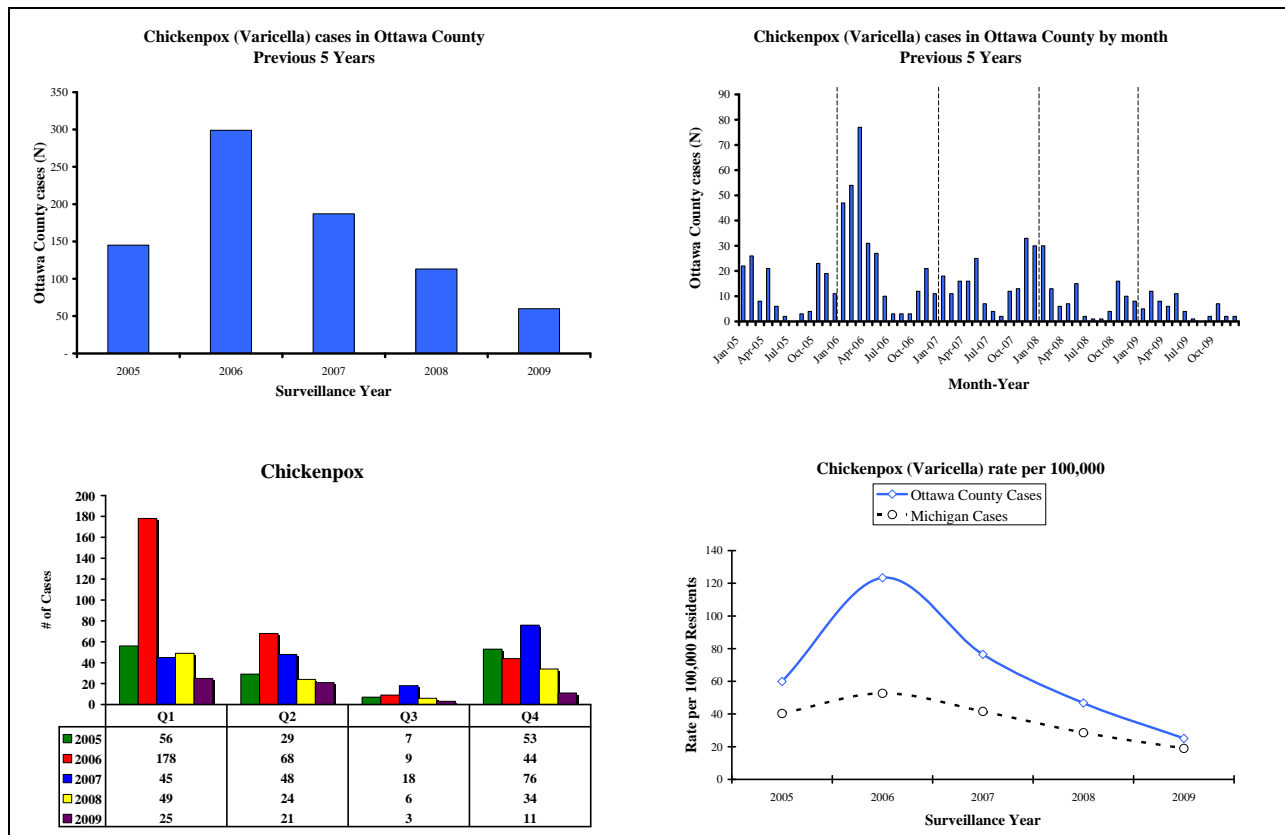


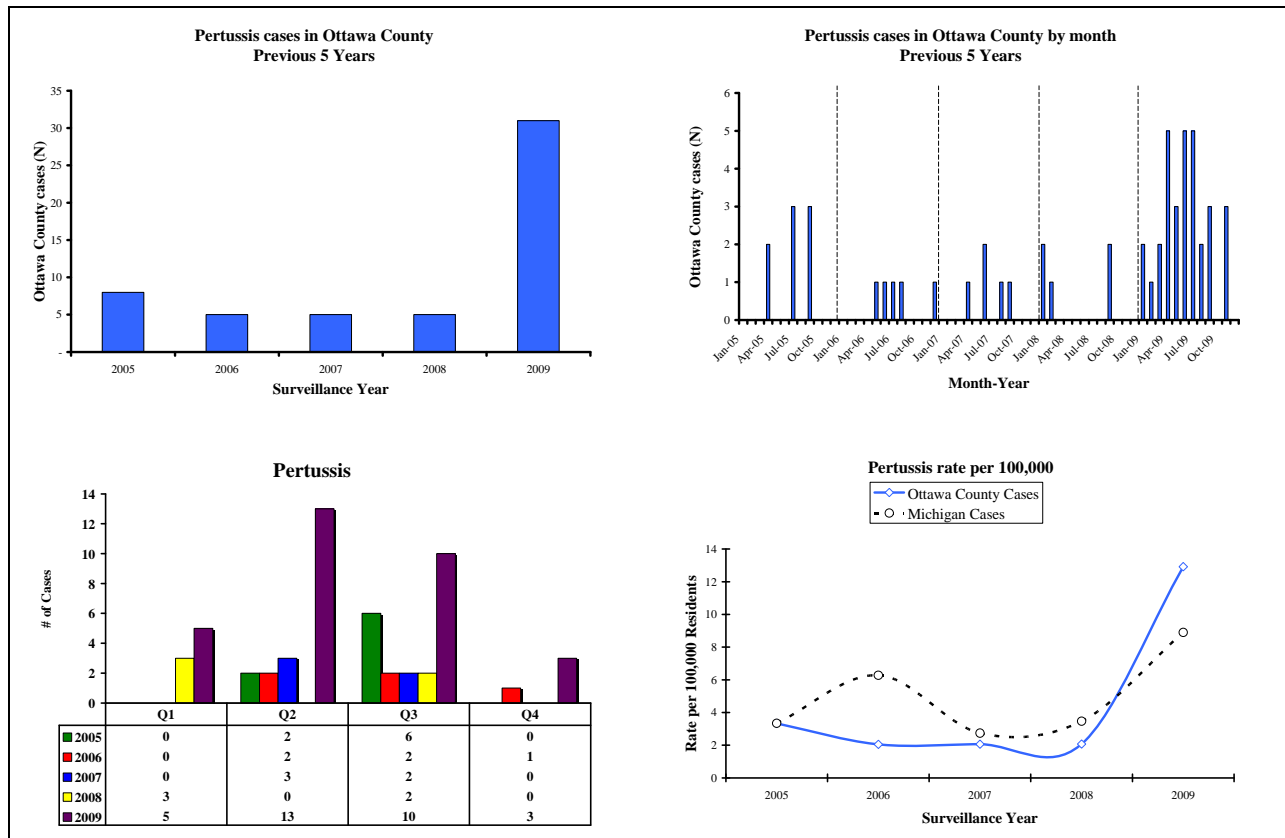
## Sexually Transmitted Diseases:



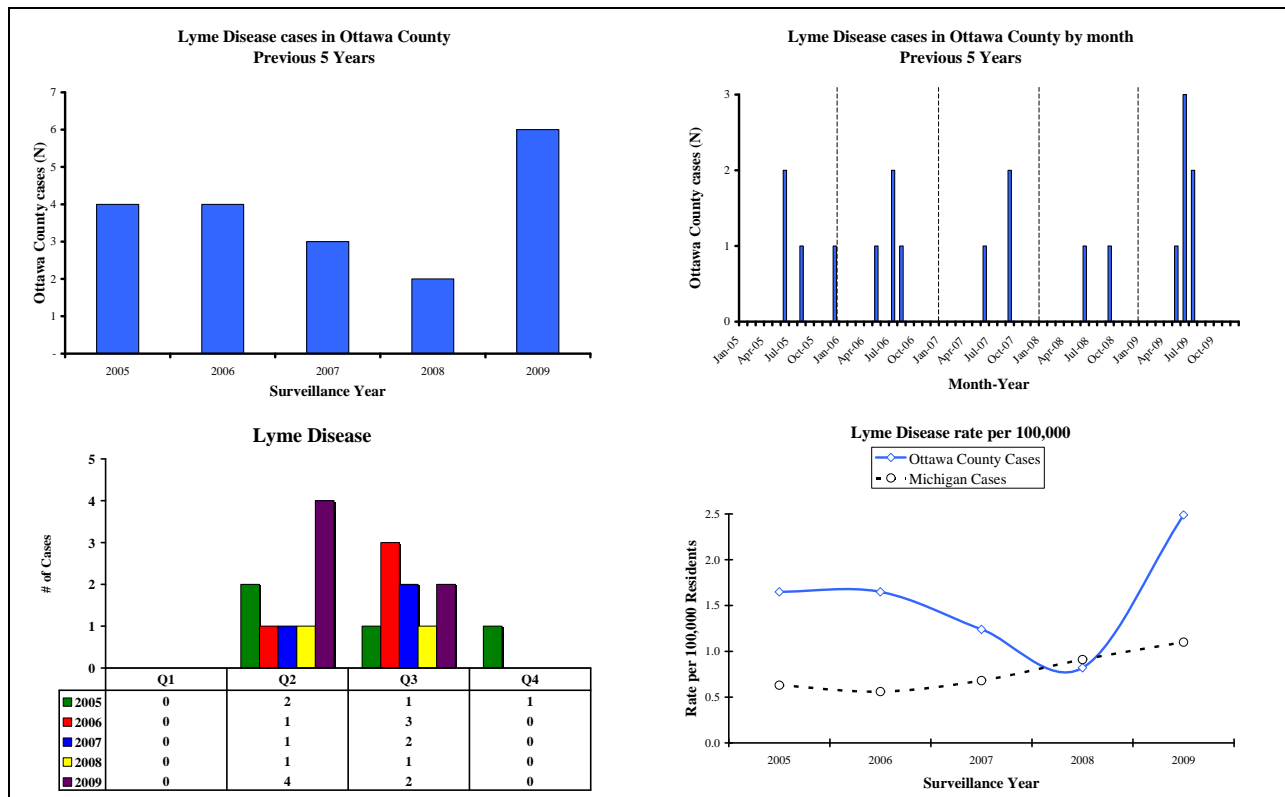


## Vaccine Preventable Disease:





## Vectorborne Disease:





# Viral Hepatitis

