

Monthly Reportable Disease Summary

January 2008



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.

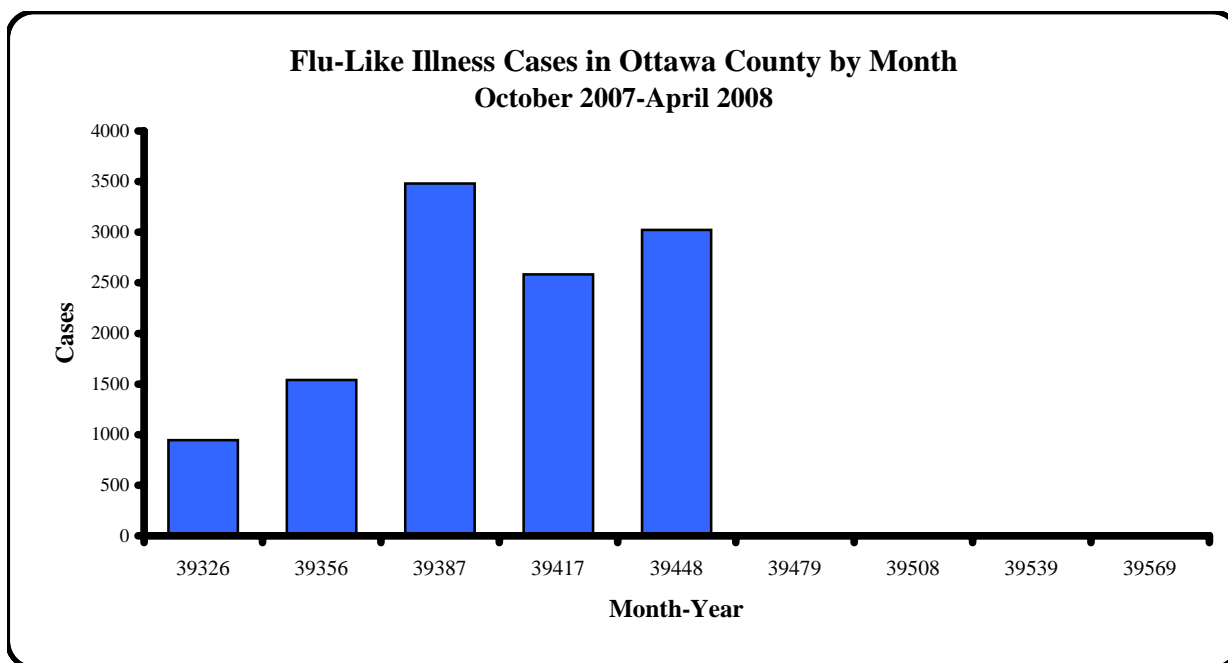
Specific data requests and questions should be directed towards:

Brian Bieber MS, MPH
OCHD Epidemiologist
bbieber@co.ottawa.mi.us
(616)393-5757

Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		Oct-07	Nov-07	Dec-07	Jan-08	2005	2006	2007	2008
Vectorborne	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	-	-	4	4	3	-
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	-	1	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	1	2	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	-	-	1	-	5	7	6	-
Viral Hepatitis	Hepatitis A	1	-	-	-	5	-	4	-
	Hepatitis B, Acute	-	1	-	-	2	1	5	-
	Hepatitis B, Chronic	2	1	-	3	33	37	17	3
	Hepatitis B, Perinatal	-	-	-	-	-	1	-	-
	Hepatitis C, Acute	-	-	-	-	1	1	4	-
	Hepatitis C, Chronic	7	6	2	6	85	88	85	6
	Hepatitis C, Unknown	-	-	-	2	-	-	1	2
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	10	8	2	11	126	128	116	11
Total		1,642	3,602	2,669	3,137	26,263	17,617	20,751	3,137

* 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 2008



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Holland, MI 49424

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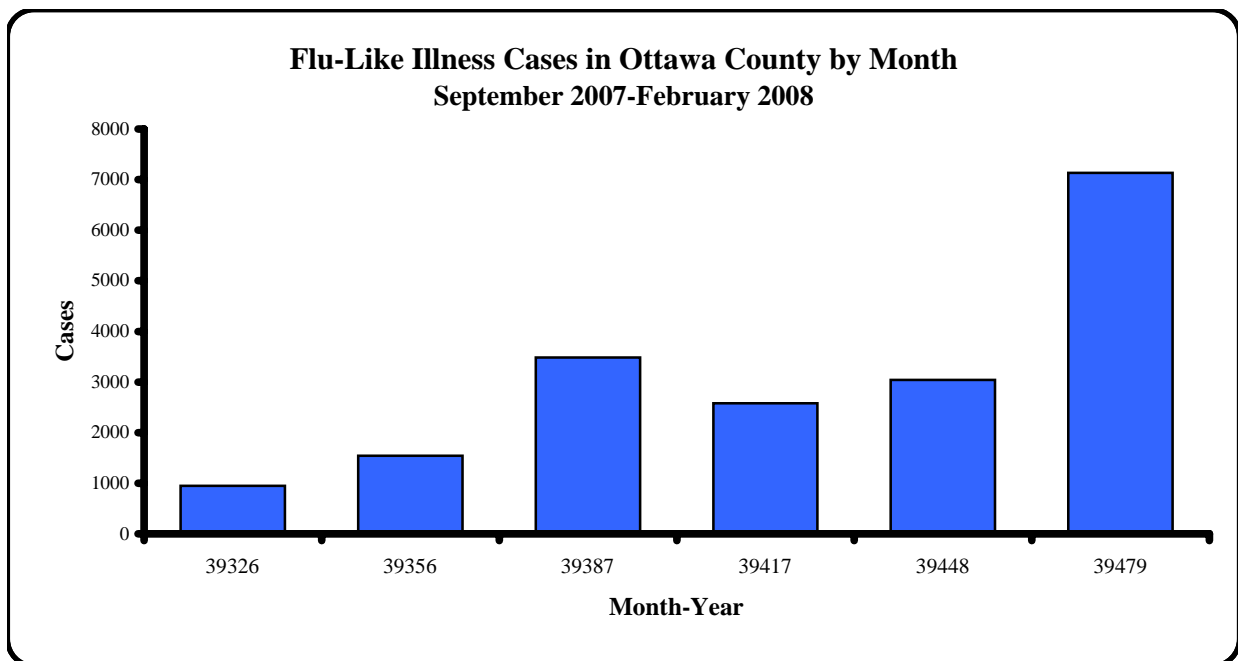
Specific data requests and questions should be directed towards:

Brian Bieber MS, MPH
OCHD Epidemiologist
bbieber@co.ottawa.mi.us
(616)393-5757

Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		Nov-07	Dec-07	Jan-08	Feb-08	2005	2006	2007	2008
Vectorborne	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	-	-	4	4	3	-
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	-	1	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	1	2	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	-	1	-	-	5	7	6	-
Viral Hepatitis	Hepatitis A	-	-	-	-	5	-	4	-
	Hepatitis B, Acute	1	-	-	2	2	1	5	2
	Hepatitis B, Chronic	1	-	3	2	33	37	17	5
	Hepatitis B, Perinatal	-	-	-	-	-	1	-	-
	Hepatitis C, Acute	-	-	-	-	1	1	4	-
	Hepatitis C, Chronic	6	2	6	9	85	88	85	15
	Hepatitis C, Unknown	-	-	2	-	-	-	1	2
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	8	2	11	13	126	128	116	24
Total		3,602	2,669	3,161	7,234	26,263	17,617	20,751	10,395

* 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 2008



Ottawa County Health Department
12251 James St
Holland, MI 49424

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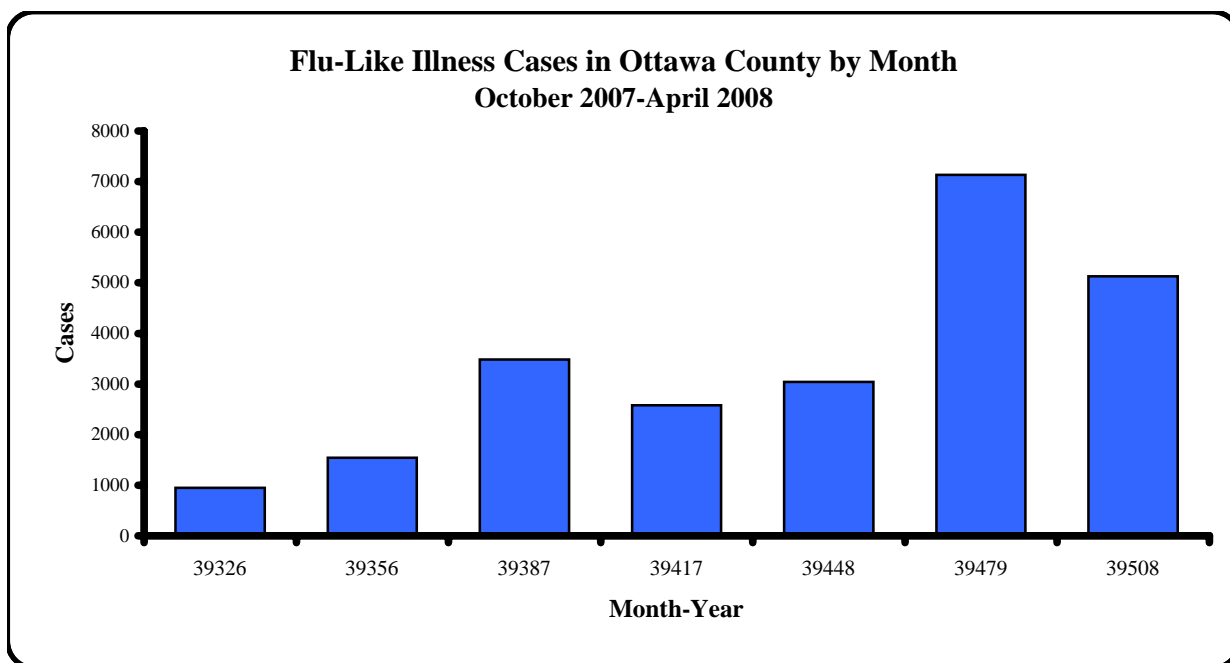
Specific data requests and questions should be directed towards:

Brian Bieber MS, MPH
OCHD Epidemiologist
bbieber@co.ottawa.mi.us
(616)393-5757

Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		Dec-07	Jan-08	Feb-08	Mar-08	2005	2006	2007	2008
Vectorborne	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	-	-	4	4	3	-
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	-	1	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	1	2	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	1	-	-	-	5	7	6	-
Viral Hepatitis	Hepatitis A	-	-	-	2	5	-	4	2
	Hepatitis B, Acute	-	-	2	-	2	1	5	2
	Hepatitis B, Chronic	-	2	2	2	33	37	17	6
	Hepatitis B, Perinatal	-	-	-	-	-	1	-	-
	Hepatitis C, Acute	-	-	-	1	1	1	4	1
	Hepatitis C, Chronic	2	6	9	9	85	88	85	24
	Hepatitis C, Unknown	-	2	-	1	-	-	1	3
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	2	10	13	15	126	128	116	38
Total		2,669	3,162	7,234	5,210	26,263	17,617	20,751	15,606

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Monthly Reportable Disease Summary

April 2008



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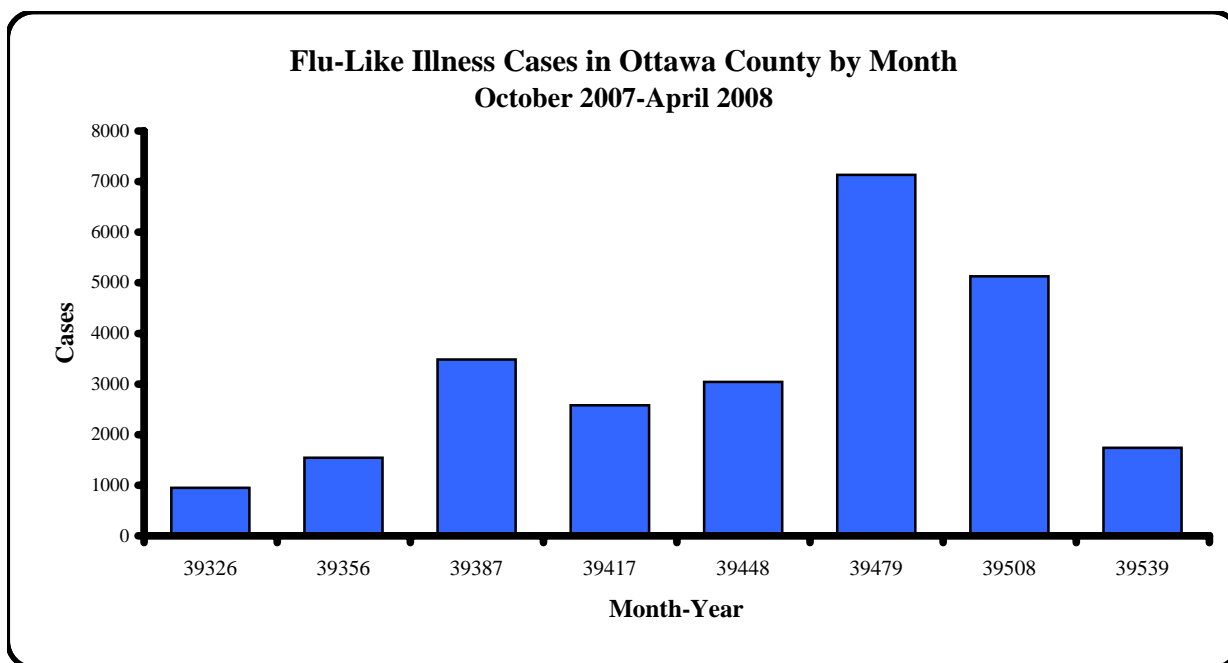
Specific data requests and questions should be directed towards:

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bbieber@co.ottawa.mi.us
(616)393-5757

Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		Jan-08	Feb-08	Mar-08	Apr-08	2005	2006	2007	2008
Vectorborne	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	-	-	4	4	3	-
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	-	1	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	1	2	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	-	-	-	-	5	7	6	-
Viral Hepatitis	Hepatitis A	-	-	2	-	5	-	4	2
	Hepatitis B, Acute	-	2	-	1	2	1	5	3
	Hepatitis B, Chronic	2	2	2	5	33	37	17	11
	Hepatitis B, Perinatal	-	-	-	-	-	1	-	-
	Hepatitis C, Acute	-	-	1	-	1	1	4	1
	Hepatitis C, Chronic	6	10	10	5	85	88	85	31
	Hepatitis C, Unknown	2	-	-	-	-	-	1	2
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	10	14	15	11	126	128	116	50
Total		3,162	7,235	5,211	1,813	26,263	17,617	20,751	17,421

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Monthly Reportable Disease Summary

May 2008



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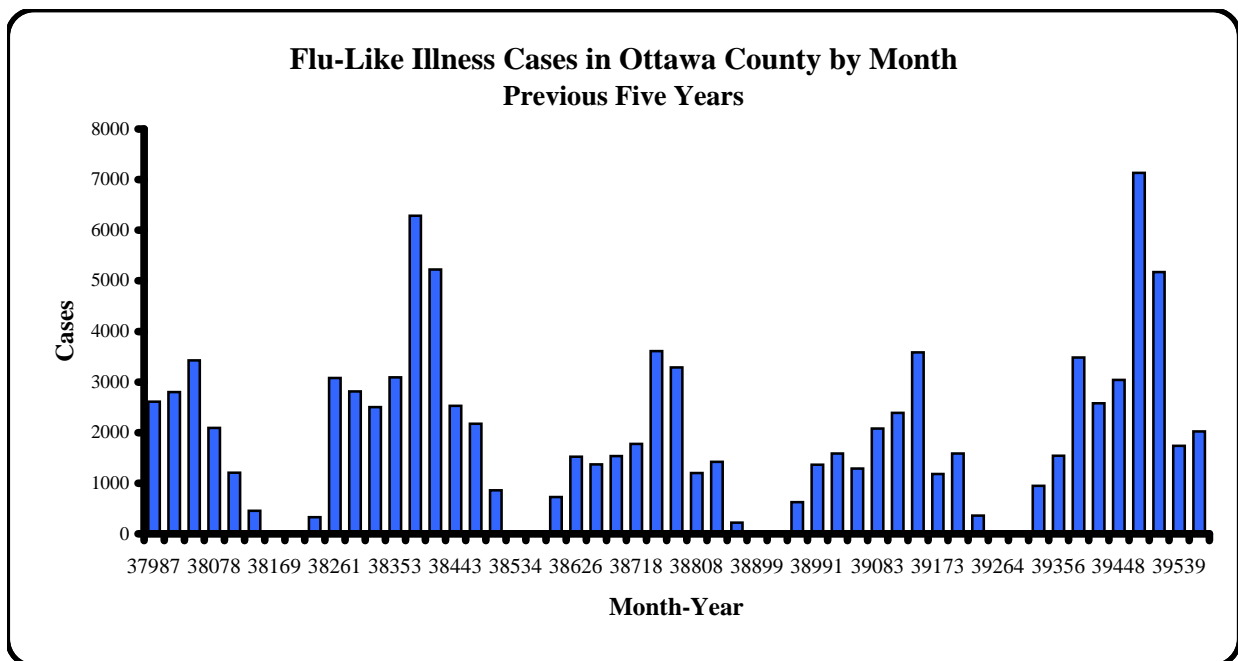
Specific data requests and questions should be directed towards:

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Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		Feb-08	Mar-08	Apr-08	May-08	2005	2006	2007	2008
Vectorborne	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	-	-	4	4	3	-
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	-	1	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	1	2	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	-	-	-	-	5	7	6	-
Viral Hepatitis	Hepatitis A	-	2	-	-	5	-	4	2
	Hepatitis B, Acute	2	-	1	-	2	1	5	3
	Hepatitis B, Chronic	2	2	5	2	33	37	17	13
	Hepatitis B, Perinatal	-	-	-	-	-	1	-	-
	Hepatitis C, Acute	-	1	-	1	1	1	4	2
	Hepatitis C, Chronic	10	10	5	3	85	88	85	34
	Hepatitis C, Unknown	-	-	-	-	-	-	1	2
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	14	15	11	6	126	128	116	56
	Total		7,235	5,251	1,813	2,113	26,263	17,617	20,752

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Monthly Reportable Disease Summary

June 2008



Ottawa County Health Department
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Holland, MI 49424

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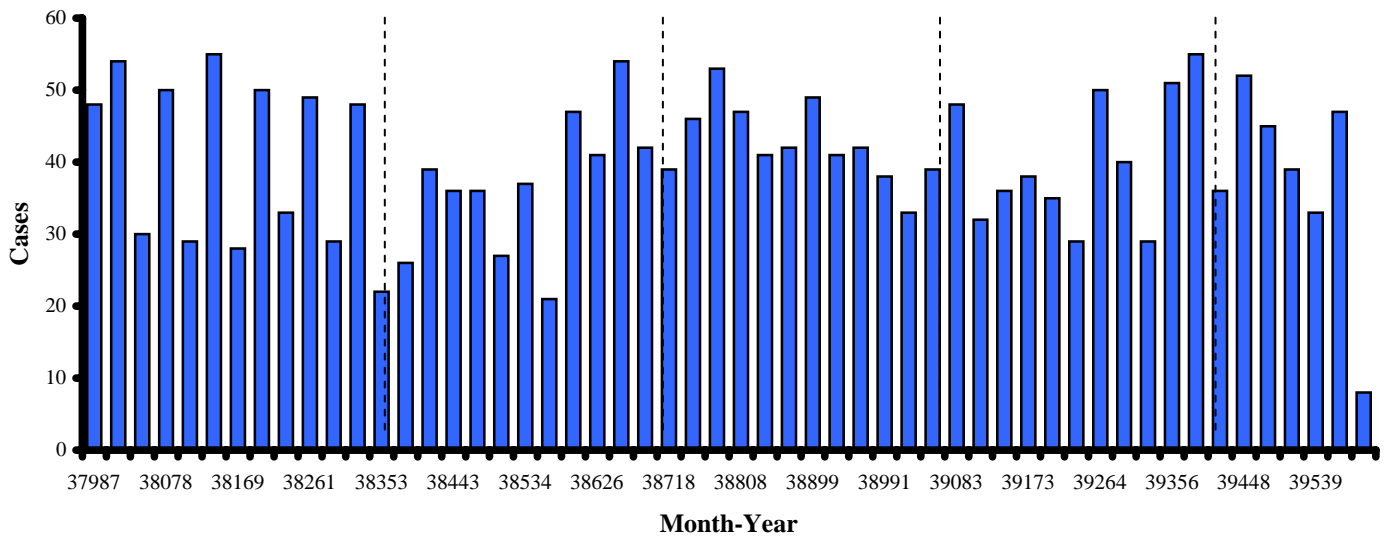
Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		Mar-08	Apr-08	May-08	Jun-08	2005	2006	2007	2008
Vectorborne	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	-	-	4	4	3	-
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	-	1	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	1	2	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	-	-	-	-	5	7	6	-
Viral Hepatitis	Hepatitis A	2	-	-	-	5	-	4	2
	Hepatitis B, Acute	-	1	-	-	2	1	5	3
	Hepatitis B, Chronic	2	5	2	2	33	37	17	15
	Hepatitis B, Perinatal	-	-	-	-	-	1	-	-
	Hepatitis C, Acute	1	-	1	-	1	1	4	2
	Hepatitis C, Chronic	10	5	3	2	85	88	85	36
	Hepatitis C, Unknown	-	-	-	2	-	-	1	4
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	15	11	6	6	126	128	116	62
Total		5,251	1,813	2,113	18	26,263	17,617	20,752	19,592

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Chlamydia Cases in Ottawa County by Month

Previous Five Years



Monthly Reportable Disease Summary

July 2008



Ottawa County Health Department
12251 James St
Holland, MI 49424

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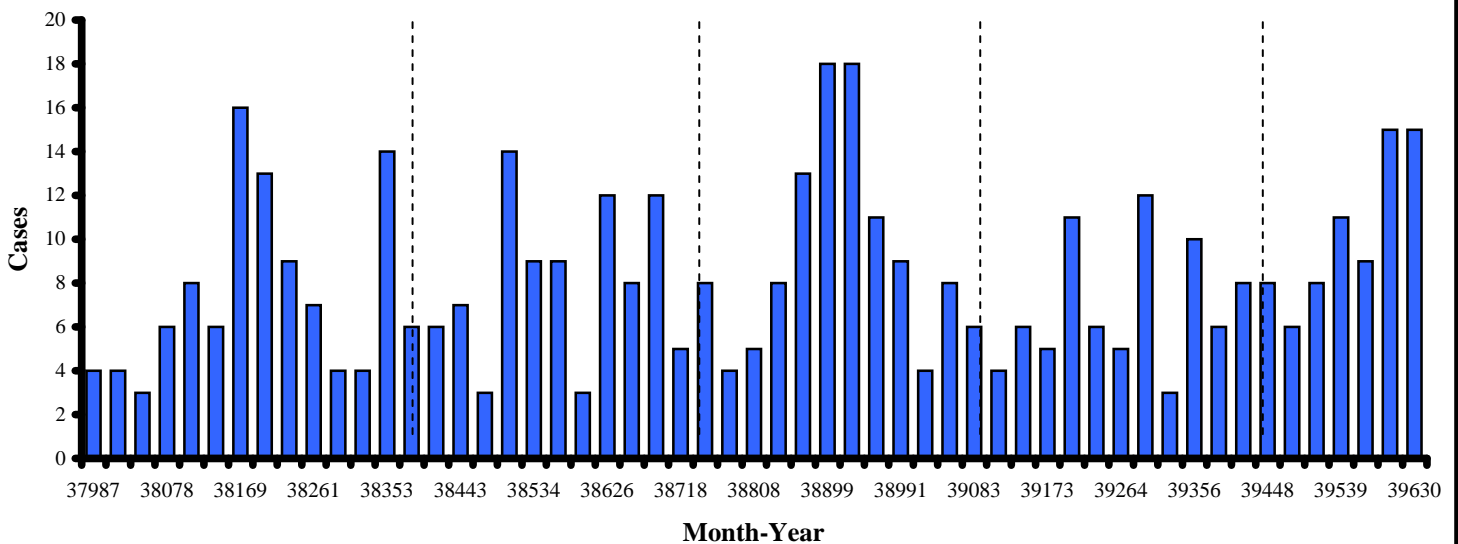
Brian Bieber MS, MPH
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(616)393-5757

Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		Apr-08	May-08	Jun-08	Jul-08	2005	2006	2007	2008
Vectorborne	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	1	1	4	4	3	2
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	-	1	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	1	2	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	-	-	1	1	5	7	6	2
Viral Hepatitis	Hepatitis A	-	-	-	-	5	-	4	2
	Hepatitis B, Acute	1	-	-	-	2	1	5	3
	Hepatitis B, Chronic	5	2	2	2	33	37	17	17
	Hepatitis B, Perinatal	-	-	-	-	-	1	-	-
	Hepatitis C, Acute	-	1	-	-	1	1	4	2
	Hepatitis C, Chronic	5	4	6	6	85	88	85	47
	Hepatitis C, Unknown	-	-	-	-	-	-	1	2
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	11	7	8	8	126	128	116	73
Total		1,813	2,425	253	253	26,263	17,617	20,752	20,392

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Foodborne Illness Cases in Ottawa County by Month
Previous Five Years



Monthly Reportable Disease Summary

August 2008



Ottawa County Health Department
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Holland, MI 49424

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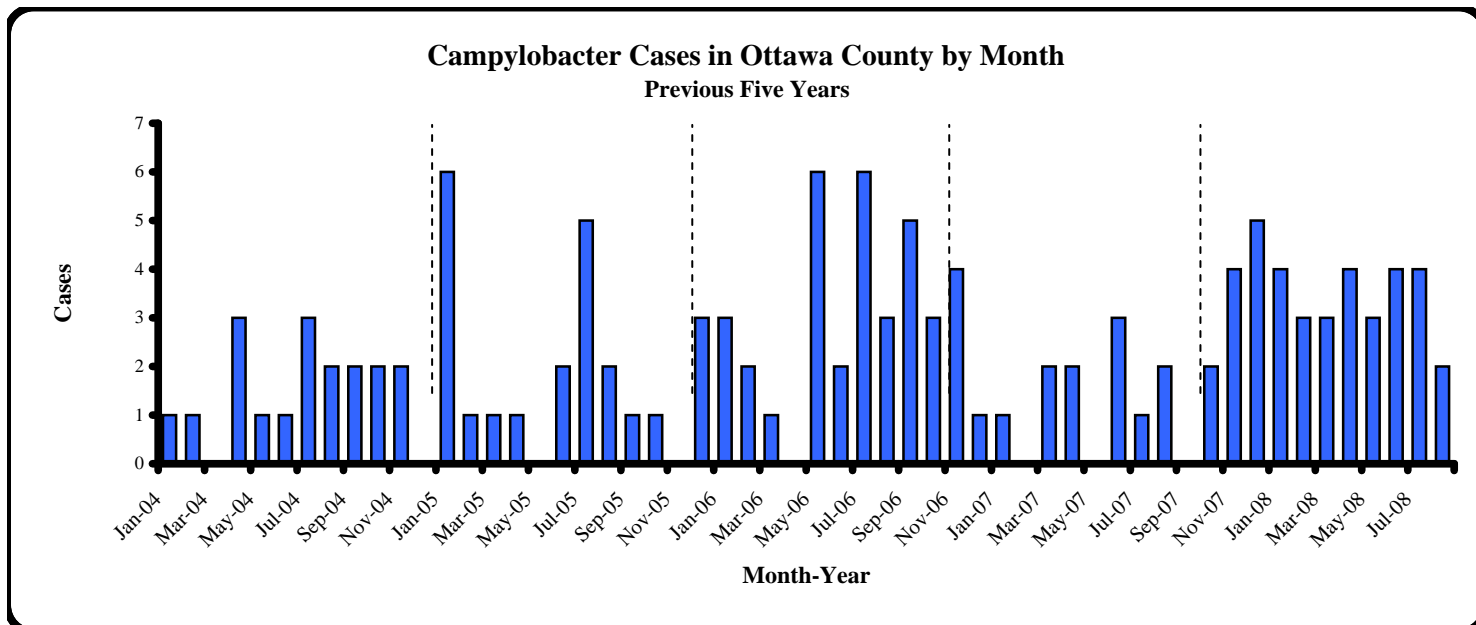
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Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		May-08	Jun-08	Jul-08	Aug-08	2005	2006	2007	2008
Vectorborne	Ehrlichiosis, human granulocytic	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	-	1	-	-	4	4	3	1
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	-	1	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	1	2	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	-	1	-	-	5	7	6	1
Viral Hepatitis	Hepatitis A	-	-	-	-	5	-	4	2
	Hepatitis B, Acute	-	-	-	-	2	1	5	3
	Hepatitis B, Chronic	2	2	3	-	33	37	17	18
	Hepatitis B, Perinatal	-	-	-	-	-	1	-	-
	Hepatitis C, Acute	1	-	-	-	1	1	4	2
	Hepatitis C, Chronic	4	6	8	5	85	88	85	54
	Hepatitis C, Unknown	-	-	-	-	-	-	1	2
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	130	141	116	-
	Viral Hepatitis Subtotal	7	8	11	5	256	269	232	81
	Total		2,370	196	34	38	25,898	17,181	20,330

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Monthly Reportable Disease Summary

September 2008



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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.

Specific data requests and questions should be directed towards:

Brian Bieber MS, MPH
OCHD Epidemiologist
bbieber@co.ottawa.mi.us
(616)393-5757

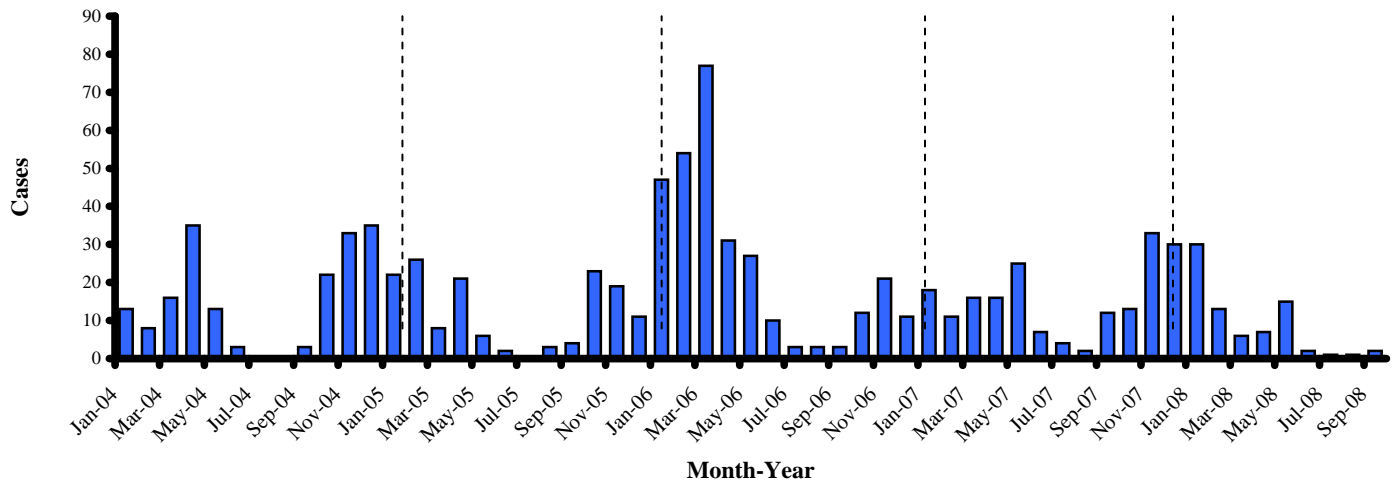
Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		Jun-08	Jul-08	Aug-08	Sep-08	2005	2006	2007	2008
Vectorborne	Ehrlichiosis, human granulocytic	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	1	-	-	1	4	4	3	2
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	-	1	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	1	2	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	1	-	-	1	5	7	6	2
Viral Hepatitis	Hepatitis A	-	-	-	-	5	-	4	2
	Hepatitis B, Acute	-	-	-	-	2	1	5	3
	Hepatitis B, Chronic	2	3	-	3	33	37	17	21
	Hepatitis B, Perinatal	-	-	-	-	-	1	-	-
	Hepatitis C, Acute	-	-	-	-	1	1	4	2
	Hepatitis C, Chronic	6	8	5	6	85	88	85	60
	Hepatitis C, Unknown	-	-	-	1	-	-	1	3
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	130	141	116	-
	Viral Hepatitis Subtotal	8	11	5	10	256	269	232	91
	Total	196	34	38	462	25,898	17,181	20,330	20,360

* 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

Chickenpox (Varicella) Cases in Ottawa County by Month

Previous Five Years



Monthly Reportable Disease Summary

October 2008



Ottawa County Health Department
12251 James St
Holland, MI 49424

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Specific data requests and questions should be directed towards:

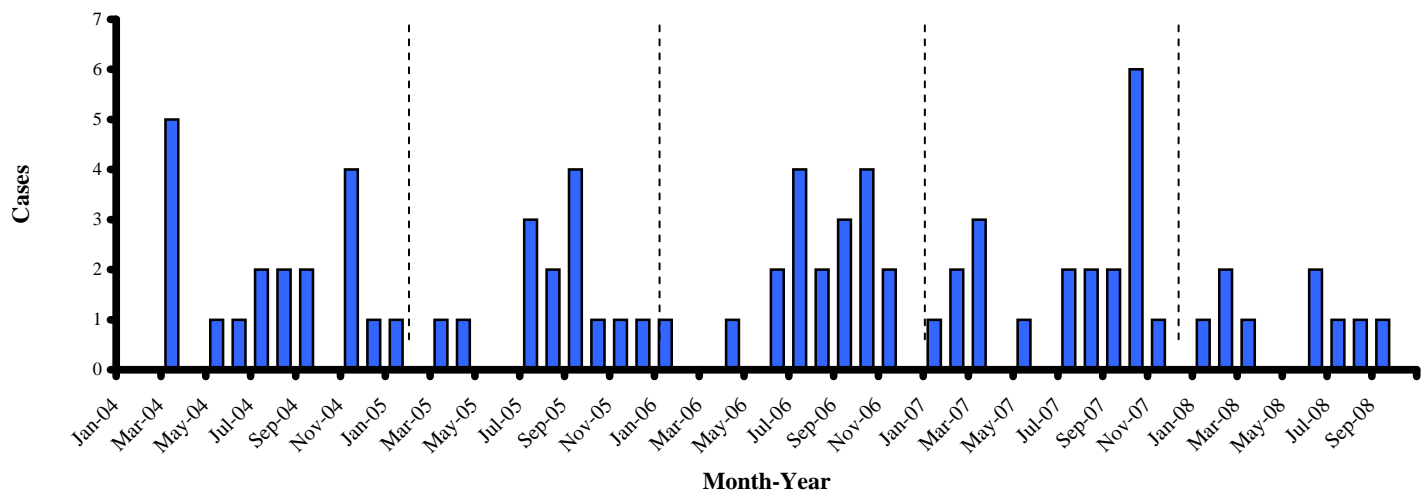
Brian Bieber MS, MPH
OCHD Epidemiologist
bbieber@co.ottawa.mi.us
(616)393-5757

Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		Jul-08	Aug-08	Sep-08	Oct-08	2005	2006	2007	2008
Vectorborne	Ehrlichiosis, human granulocytic	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	1	-	4	4	3	2
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	-	1	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	1	2	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	-	-	1	-	5	7	6	2
Viral Hepatitis	Hepatitis A	-	-	-	-	5	-	4	2
	Hepatitis B, Acute	-	-	-	-	2	1	5	3
	Hepatitis B, Chronic	3	-	3	-	33	37	17	21
	Hepatitis B, Perinatal	-	-	-	-	-	1	-	-
	Hepatitis C, Acute	-	-	-	-	1	1	4	2
	Hepatitis C, Chronic	8	5	6	-	85	88	85	60
	Hepatitis C, Unknown	-	-	1	-	-	-	1	3
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	130	141	116	-
	Viral Hepatitis Subtotal	11	5	10	-	256	269	232	91
	Total	34	38	462	-	25,898	17,181	20,330	20,360

* 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

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



Monthly Reportable Disease Summary

November 2008



Ottawa County Health Department
12251 James St
Holland, MI 49424

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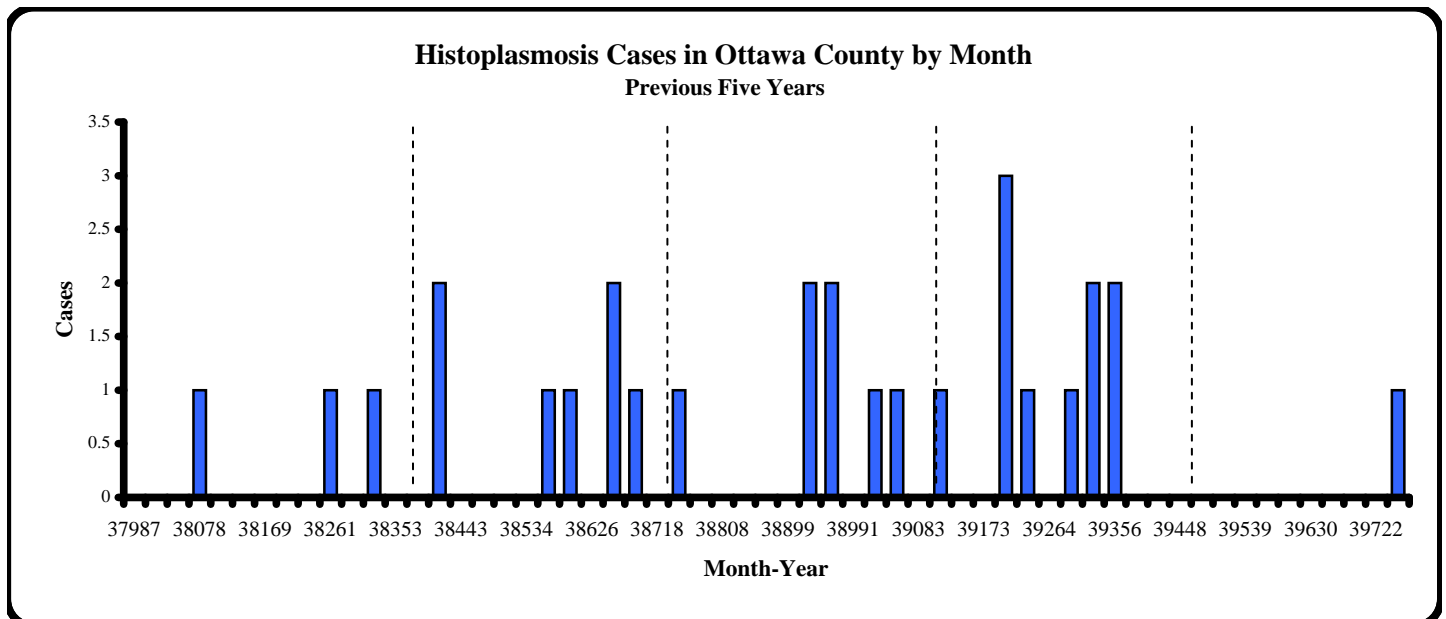
Specific data requests and questions should be directed towards:

Brian Bieber MS, MPH
OCHD Epidemiologist
bbieber@co.ottawa.mi.us
(616)393-5757

Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		Aug-08	Sep-08	Oct-08	Nov-08	2005	2006	2007	2008
Vectorborne	Ehrlichiosis, human granulocytic	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	-	1	-	-	4	4	3	2
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	-	1	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	1	2	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal		-	1	-	-	5	7	6
Viral Hepatitis	Hepatitis A	-	-	-	-	5	-	4	2
	Hepatitis B, Acute	-	-	-	-	2	1	5	3
	Hepatitis B, Chronic	-	3	-	2	33	37	17	23
	Hepatitis B, Perinatal	-	-	-	-	-	1	-	-
	Hepatitis C, Acute	-	-	-	-	1	1	4	2
	Hepatitis C, Chronic	5	8	5	2	85	88	85	69
	Hepatitis C, Unknown	-	-	-	1	-	-	1	3
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	130	141	116	-
	Viral Hepatitis Subtotal	5	11	5	5	256	269	232	102
	Total		37	1,667	3,084	1,808	25,898	17,181	20,330

* 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

December 2008



Ottawa County Health Department
12251 James St
Holland, MI 49424

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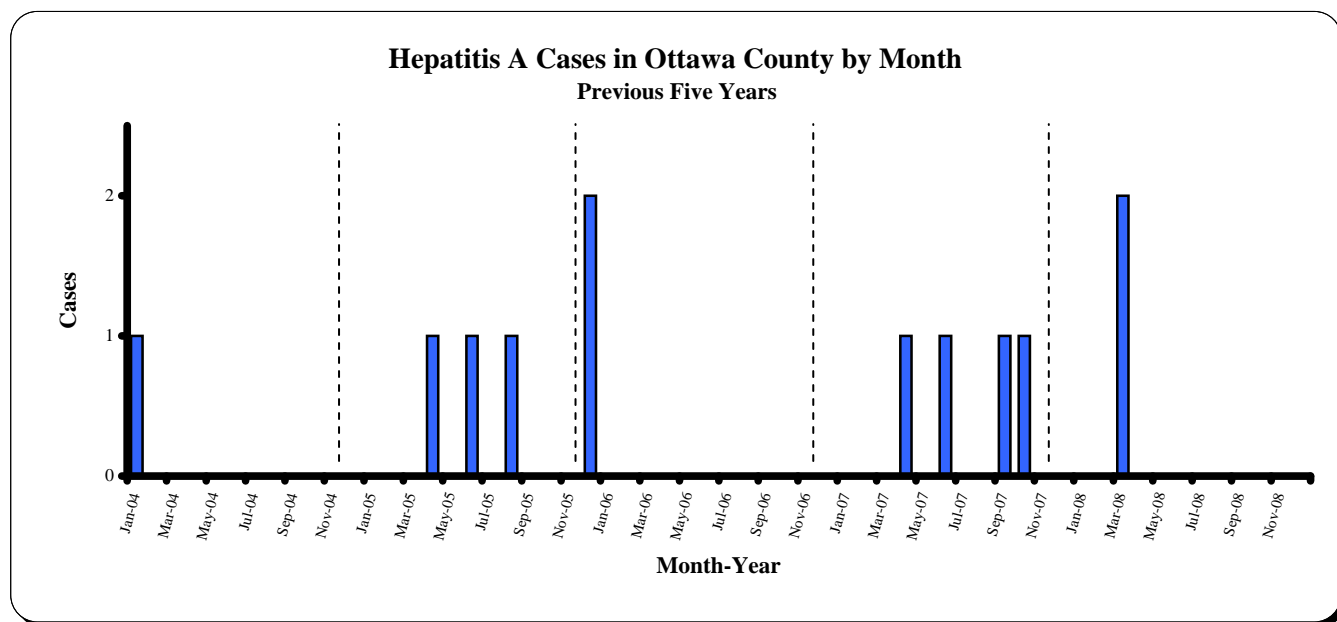
Specific data requests and questions should be directed towards:

Lis McNeil RN BSN PEM
OCHD Communicable Disease Clinic Supervisor
lmcneil@miottawa.org
(616) 393-5735

Disease Group	Reportable Condition	Cases Reported in Last 4 Months*				Total Cases Reported**			
		Sep-08	Oct-08	Nov-08	Dec-08	2005	2006	2007	2008
Vectorborne	Ehrlichiosis, human granulocytic	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	1	-	-	-	4	4	3	2
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	-	1	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	1	2	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	1	-	-	-	5	7	6	2
Viral Hepatitis	Hepatitis A	-	-	-	-	5	-	4	2
	Hepatitis B, Acute	-	-	-	-	2	1	5	3
	Hepatitis B, Chronic	3	-	1	2	33	37	17	24
	Hepatitis B, Perinatal	-	-	-	-	-	1	-	-
	Hepatitis C, Acute	-	-	-	-	1	1	4	2
	Hepatitis C, Chronic	8	5	3	9	85	88	85	79
	Hepatitis C, Unknown	-	-	-	1	-	-	1	3
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	130	141	116	137
	Viral Hepatitis Subtotal	11	5	4	12	256	269	232	250
Total	1,667	3,084	1,984	1,901	25,898	17,181	20,330	28,671	

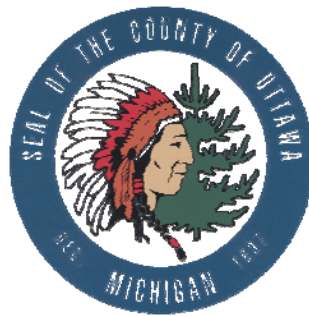
* Data for cases reported in last four months is based on week case was referred to the health department

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



2008 Quarterly Reportable Disease Summary

Quarter 1 (January-March)



Ottawa County Health Department
12251 James St
Holland, MI 49424

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Specific data requests and questions should be directed towards:

Brian Bieber MS, MPH
OCHD Epidemiologist
bbieber@co.ottawa.mi.us
(616)393-5757

Disease Group	Reportable Condition	Cases in Last 4 Quarters*				Q1 Cases by Year**			
		Q2-07	Q3-07	Q4-07	Q1-08	Q1-05	Q1-06	Q1-07	Q1-08
Vectorborne	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	1	2	-	-	-	-	-	-
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	1	-	-	-	-	-	-	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	2	3	1	-	-	1	-	-
Viral Hepatitis	Hepatitis A	2	1	1	2	-	-	-	2
	Hepatitis B, Acute	-	3	1	2	1	1	1	2
	Hepatitis B, Chronic	7	3	3	6	8	13	4	6
	Hepatitis B, Perinatal	-	-	-	-	-	1	-	-
	Hepatitis C, Acute	2	-	-	1	1	1	2	1
	Hepatitis C, Chronic	24	25	15	24	17	32	21	24
	Hepatitis C, Unknown	1	-	-	3	-	-	-	3
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	36	32	20	38	27	48	28	38
Total	3,366	1,179	7,913	15,606	14,815	9,093	8,293	15,606	

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

* Q1=Jan-Mar, Q2=Apr-Jun, Q3=Jul-Sep Q4=Oct-Dec

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

2008 Quarter 1: Ottawa County Communicable Disease Summary

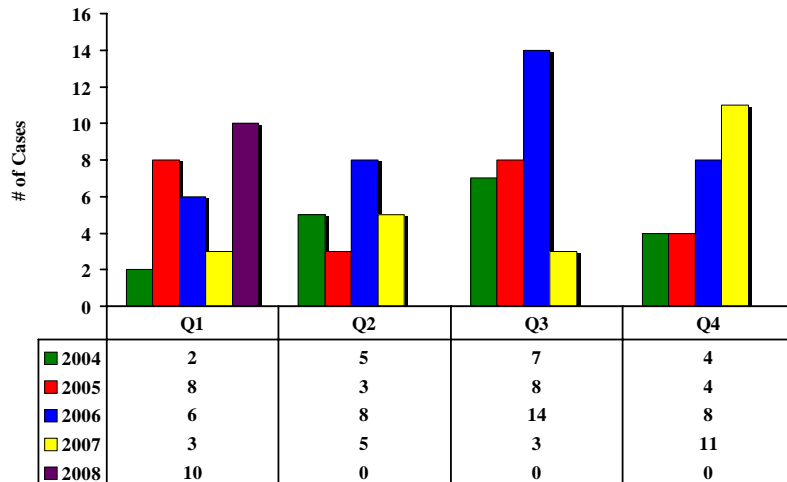
Interpretation Notes:

Quarter Definition: Q1=Jan-Mar, Q2=Apr-Jun, Q3=Jul-Sep, Q4=Oct-Dec

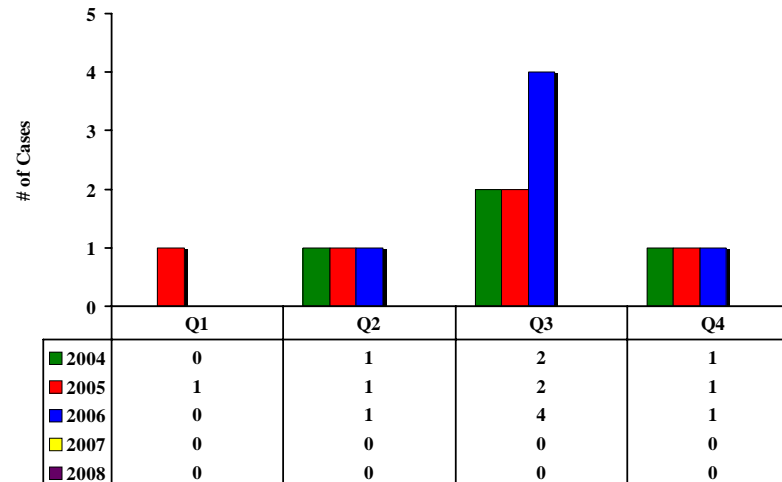
Case counts include: confirmed, probable, suspect, and unknown cases

For questions regarding data contact-Brian Bieber (616)393-5757

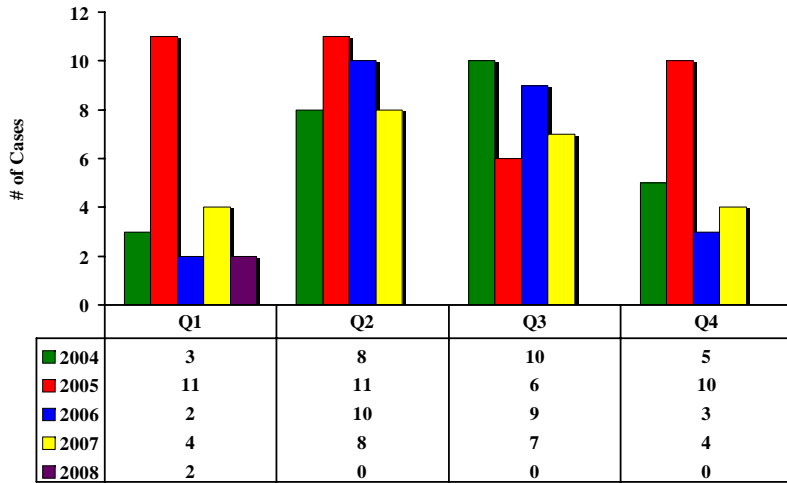
Campylobacter



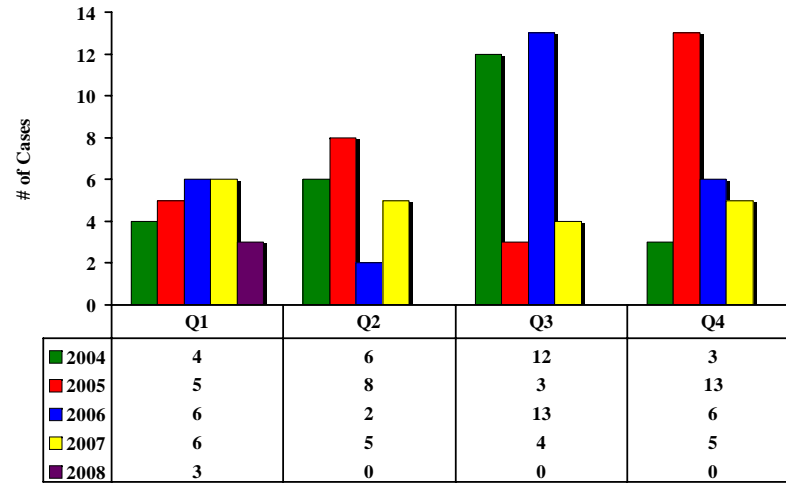
E. coli O157:H7



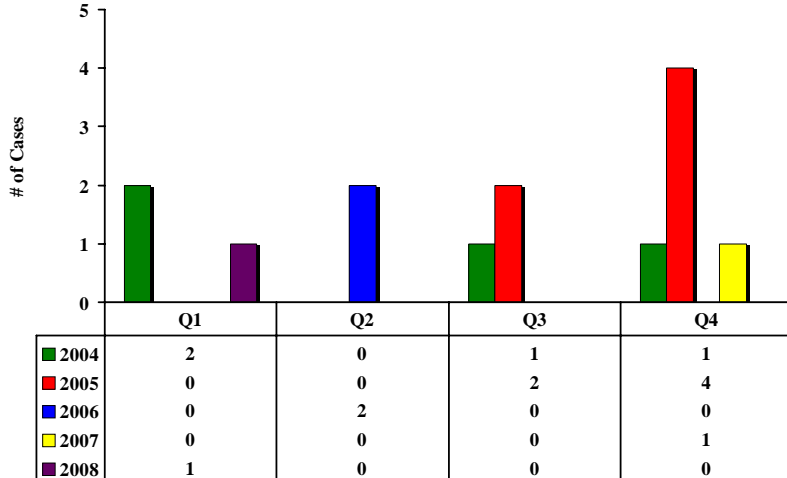
Salmonellosis



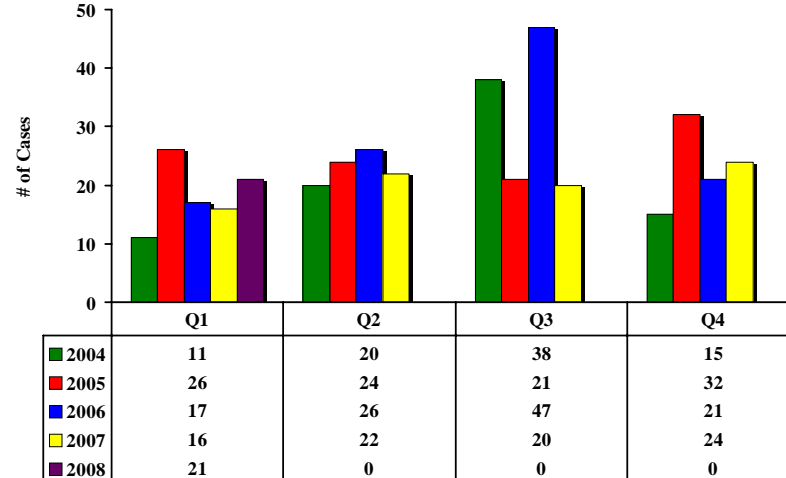
Giardiasis



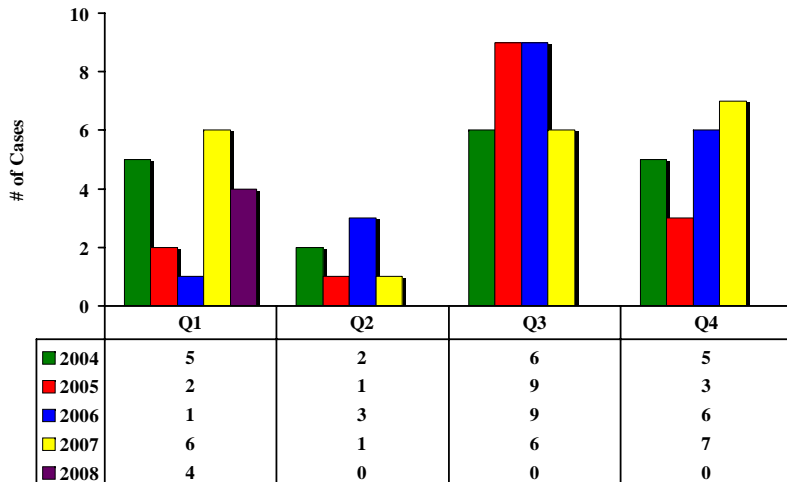
Shigellosis



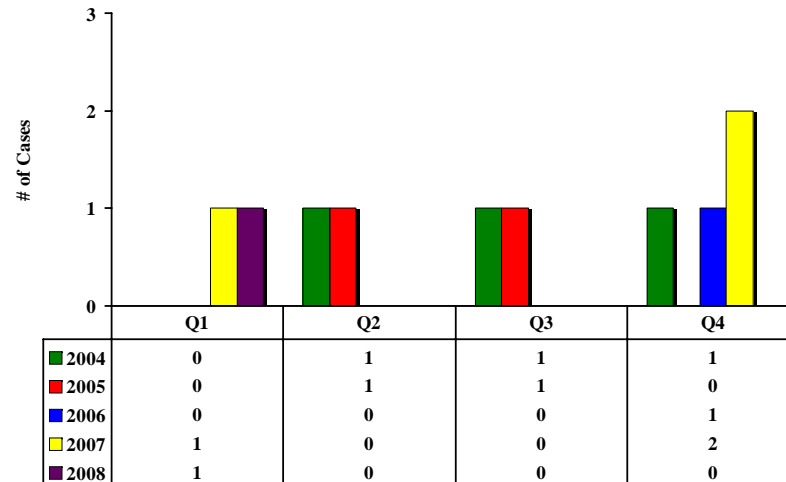
All Foodborne



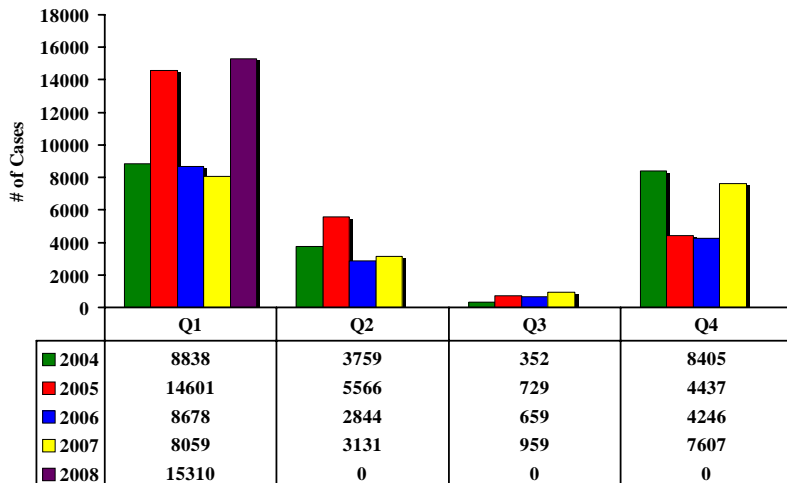
Aseptic Meningitis



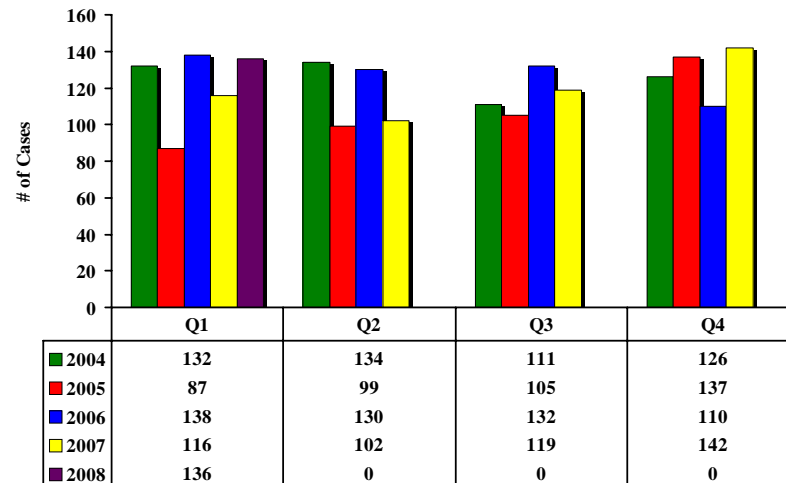
Bacterial/Other Meningitis



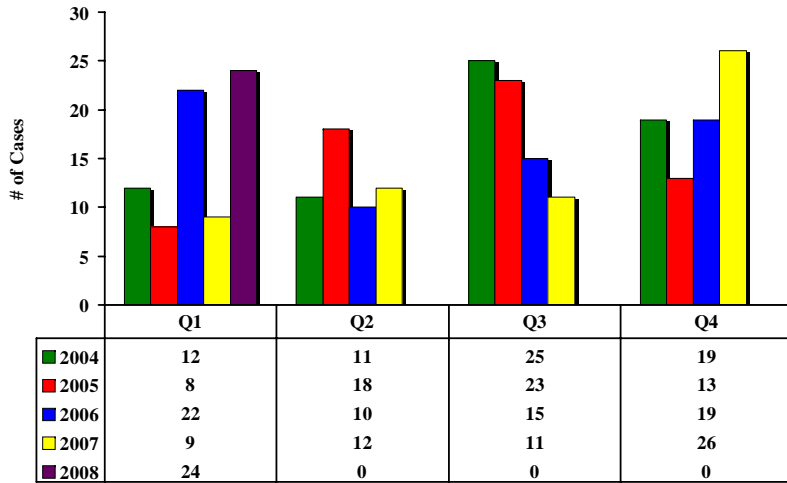
Flu Like Illness



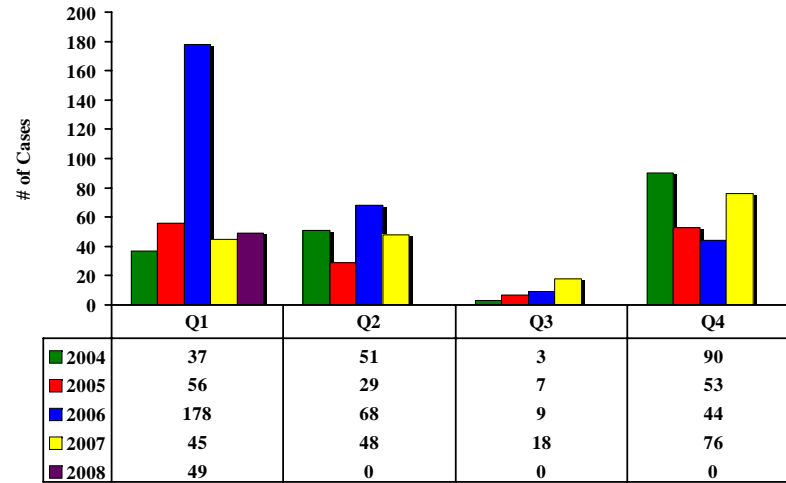
Chlamydia



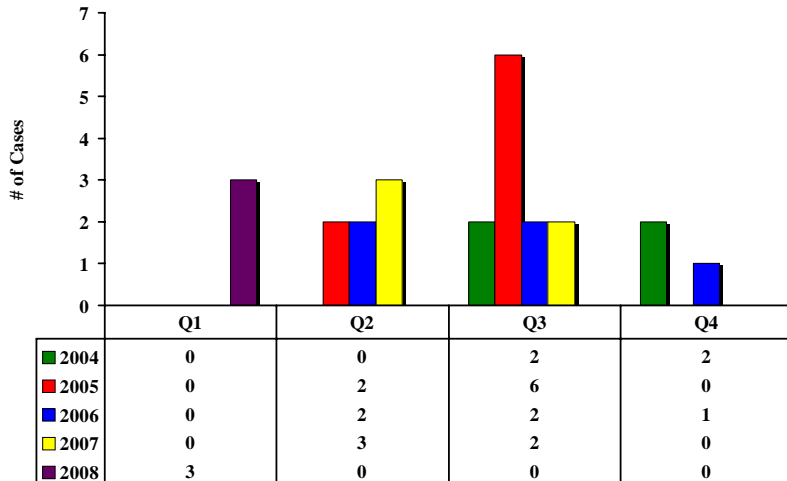
Gonorrhea



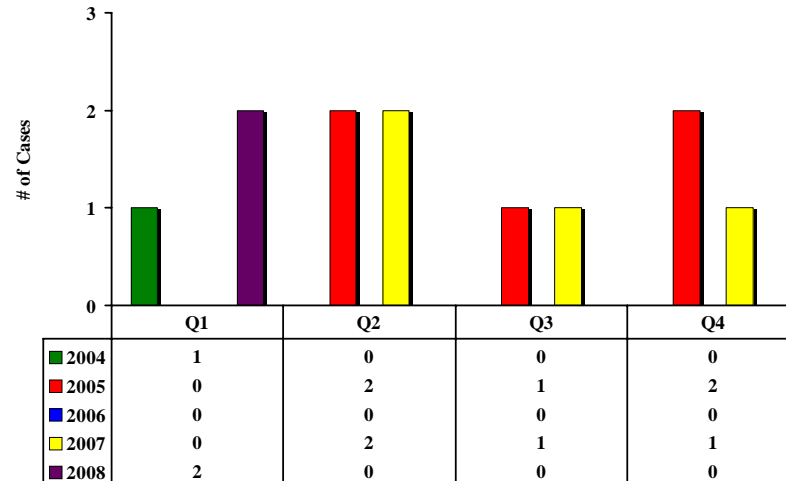
Chickenpox



Pertussis

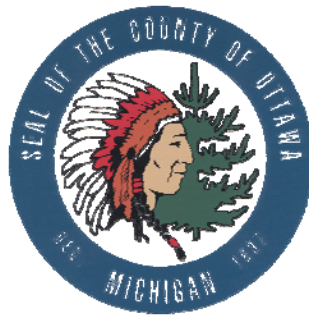


Hepatitis A



2008 Quarterly Reportable Disease Summary

Quarter 2 (April - June)



Ottawa County Health Department
12251 James St
Holland, MI 49424

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Specific data requests and questions should be directed towards:

Brian Bieber MS, MPH
OCHD Epidemiologist
bbieber@co.ottawa.mi.us
(616)393-5757

Disease Group	Reportable Condition	Cases in Last 4 Quarters*				Q2 Cases by Year**			
		Q3-07	Q4-07	Q1-08	Q2-08	Q2-05	Q2-06	Q2-07	Q2-08
Vectorborne	Ehrlichiosis, human granulocytic	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	2	-	-	1	2	1	1	1
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	-	1	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	-	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	3	1	-	1	2	1	2	1
Viral Hepatitis	Hepatitis A	1	1	2	-	2	-	2	-
	Hepatitis B, Acute	3	1	2	1	-	-	-	1
	Hepatitis B, Chronic	3	3	6	9	7	8	7	9
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	-	1	1	-	-	2	1
	Hepatitis C, Chronic	25	15	26	15	17	15	24	15
	Hepatitis C, Unknown	-	-	2	-	-	-	1	-
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	32	20	39	26	26	23	36	26
Total	1,049	7,745	15,488	4,338	5,658	2,986	3,252	4,338	

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

* Q1=Jan-Mar, Q2=Apr-Jun, Q3=Jul-Sep Q4=Oct-Dec

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

2008 Quarterly Reportable Disease Summary

Quarter 3 (July-September)



Ottawa County Health Department
12251 James St
Holland, MI 49424

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Specific data requests and questions should be directed towards:

Brian Bieber MS, MPH

Disease Group	Reportable Condition	Cases in Last 4 Quarters*				Q3 Cases by Year**			
		Q4-07	Q1-08	Q2-08	Q3-08	Q3-05	Q3-06	Q3-07	Q3-08
Vectorborne	Ehrlichiosis, human granulocytic	-	-	-	-	-	-	-	-
	Ehrlichiosis, human monocytic	-	-	-	-	-	-	-	-
	Ehrlichiosis human, other, unsp	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	1	1	1	3	2	1
	Malaria	-	-	-	-	-	-	-	-
	Rocky Mt Spotted Fever	-	-	-	-	-	-	-	-
	Typhus	-	-	-	-	-	-	-	-
	West Nile Virus	-	-	-	-	1	2	-	-
	Yellow Fever	-	-	-	-	-	-	-	-
	Vectorborne Subtotal	1	-	1	1	2	5	3	1
Viral Hepatitis	Hepatitis A	1	2	-	-	1	-	1	-
	Hepatitis B, Acute	1	2	1	-	-	-	3	-
	Hepatitis B, Chronic	3	6	9	6	5	9	3	6
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	-	1	1	-	-	-	-	-
	Hepatitis C, Chronic	15	26	15	19	23	21	25	19
	Hepatitis C, Unknown	-	2	-	1	-	-	-	1
	Hepatitis D	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-
	Viral Hepatitis Subtotal	20	39	26	26	29	30	32	26
Total	7,745	15,488	4,338	534	809	769	1,049	534	

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

* Q1=Jan-Mar, Q2=Apr-Jun, Q3=Jul-Sep Q4=Oct-Dec

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

Year End Reportable Disease Summary

2008

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:

Diana Brown, Region 6 Epidemiologist
616-632-7245
Brownd26@michigan.gov

Or

Lis McNeil
Communicable Disease Supervisor
Ottawa County Health Department
616-393-5735
lmcneil@miottawa.org

Disease Group	Reportable Condition	Ottawa County Cases*					Michigan Cases				
		2004	2005	2006	2007	2008	2004	2005	2006	2007	2008
Foodborne	Amebiasis	-	-	3	-	1	52	49	58	43	50
	Botulism - Foodborne	-	-	-	-	-	-	1	-	-	-
	Campylobacter	18	23	36	22	39	875	817	912	890	1,027
	Cryptosporidiosis	7	-	13	12	13	156	112	150	211	280
	Escherichia coli 0157:H7	4	5	6	-	1	84	83	76	69	164
	Giardiasis	25	29	27	20	25	737	788	711	620	582
	Listeriosis	-	1	-	1	1	30	27	20	23	20
	Salmonellosis	26	38	24	23	20	855	951	993	973	943
	Shiga toxin, E. Coli, Non O157	-	-	-	2	-	11	2	6	26	22
	Shiga toxin, E. Coli, Unsp	-	-	-	1	2	6	8	14	37	56
	Shigellosis	4	6	2	1	7	255	234	150	82	258
	Typhoid Fever	-	-	-	-	-	9	6	7	7	9
	Yersinia enteritis	-	1	-	-	1	21	21	24	23	23
	Foodborne Subtotal	84	103	111	82	110	3,091	3,099	3,121	3,004	3,434
Meningitis	Meningitis - Aseptic	18	15	19	20	14	1,133	1,228	1,131	975	969
	Meningitis - Bacterial Other	3	2	1	3	3	139	143	120	149	259
	Meningococcal Disease	-	-	1	-	1	50	44	29	30	34
	Streptococcus pneumoniae, Inv	-	8	6	10	8	138	418	594	649	622
	Meningitis Subtotal	21	25	27	33	26	1,460	1,833	1,874	1,803	1,884
Other	Anthrax	-	-	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	-	-	13	11	20	16	23
	Botulism - Infant	-	-	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	1	-	3	1	3	5	1
	Cholera	-	-	-	-	-	-	2	-	1	-
	Coccidioidomycosis	-	-	2	-	3	14	15	46	27	39
	Creutzfeldt-Jakob Disease	-	-	-	-	1	4	11	7	14	14
	Cryptococcosis	-	-	-	-	2	46	54	50	49	67
	Cyclosporiasis	-	-	-	-	-	3	2	-	1	1
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	1	3	1	1
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	1	-	-	10	12	19	16	10
	Encephalitis, Primary	-	1	-	-	-	33	28	32	31	25
	Flu Like Disease	21,354	25,333	16,427	19,756	28,122	381,119	437,093	390,141	403,335	413,616
	Guillain-Barre Syndrome	2	1	2	1	1	59	62	54	53	50
	Hantavirus	-	-	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-	-	-
	Head Lice	-	-	-	-	-	1	1	1	-	557
	Hemolytic Uremic Syndrome	-	-	-	-	-	5	5	5	6	6
	Hemorrhagic Fever	-	-	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	2	4	1	1	3
	Histoplasmosis	3	7	7	10	1	57	67	116	125	96
	Influenza	-	-	-	5	17	-	1	98	1,141	2,844
	Influenza, Novel	-	-	-	-	-	-	-	-	1	-
	Kawasaki	-	-	2	1	1	85	75	98	70	72
	Legionellosis	-	1	1	2	1	137	123	174	189	185
	Leprosy	-	-	-	-	-	1	1	-	2	-

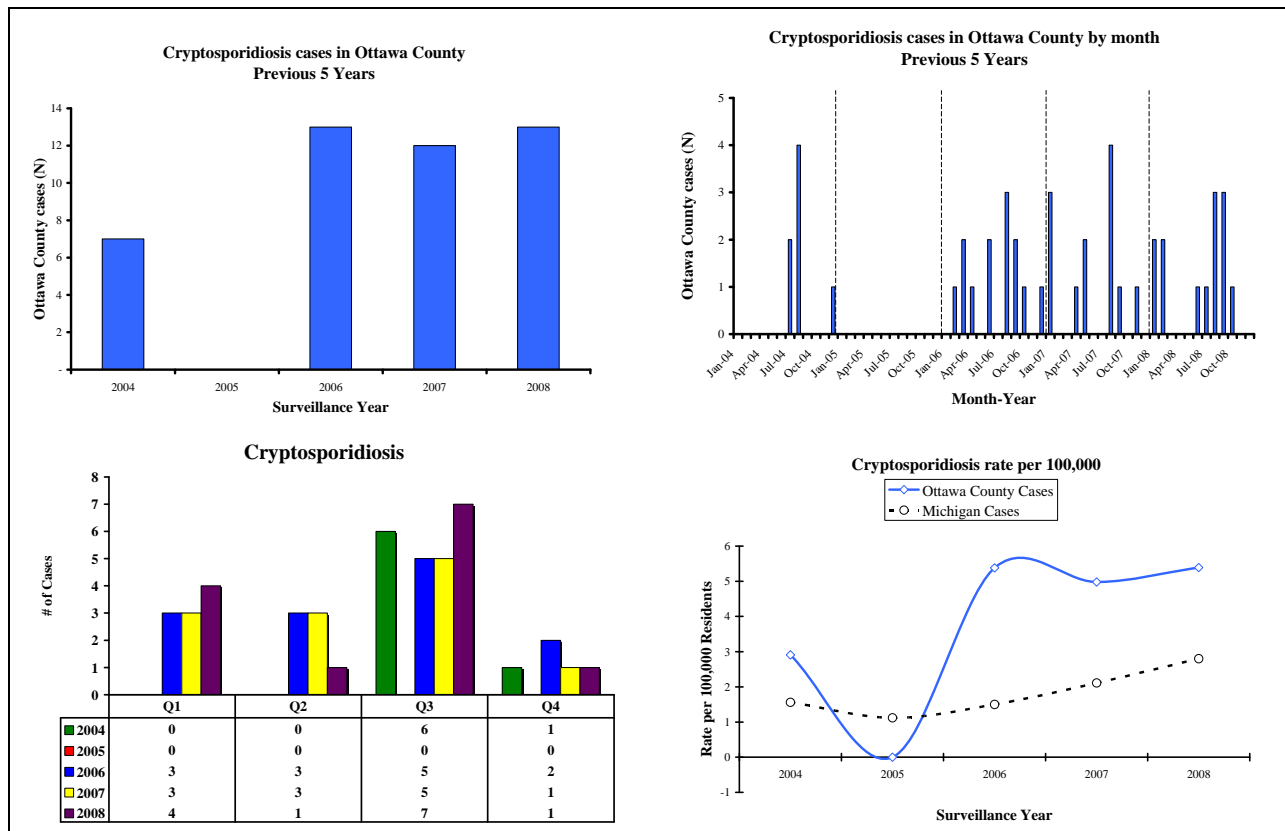
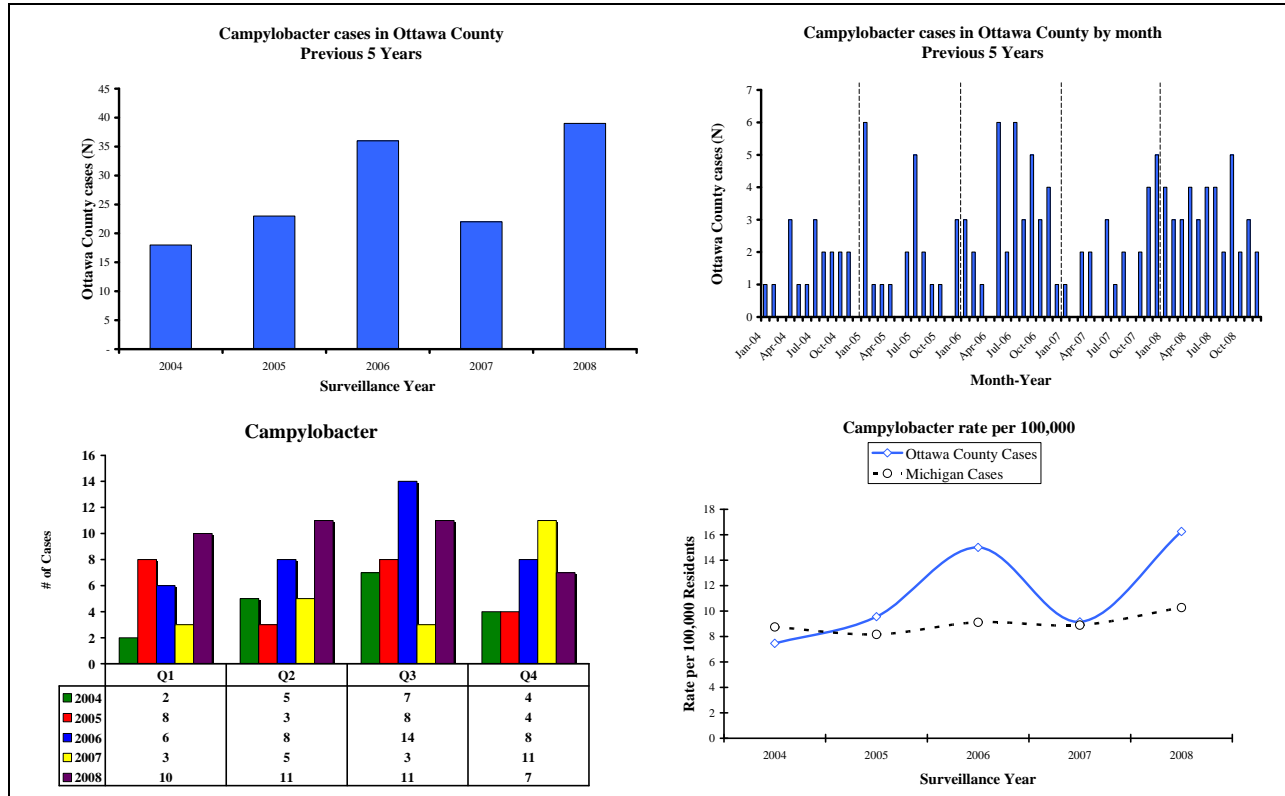
Disease Group	Reportable Condition	Ottawa County Cases*					Michigan Cases				
		2004	2005	2006	2007	2008	2004	2005	2006	2007	2008
Other	Leptospirosis	-	-	-	-	-	-	1	1	3	1
	Plague	-	-	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	-	2	-
	Q Fever	-	-	-	-	-	-	3	3	2	-
	Q Fever Acute	-	-	-	-	-	-	-	-	-	2
	Q Fever Chronic	-	-	-	-	-	-	-	-	-	-
	Rabies Human	-	-	-	-	-	-	-	-	-	-
	Reye Syndrome	-	-	-	-	-	1	-	1	-	-
	Rheumatic Fever	-	-	-	-	-	-	1	1	2	4
	Rubella - Congenital	-	-	-	-	-	-	-	-	-	-
	Staphylococcus Aureus Infect.	3	1	1	-	1	47	77	52	22	38
	Strep Pneumo, Drug Resistant	-	-	-	-	-	6	47	17	4	21
	Strep Throat	-	-	-	-	-	1	2	8	18	737
	Streptococcal Dis, Inv. Grp A	4	5	2	4	2	292	215	199	209	190
	Streptococcal Toxic Shock	-	-	-	-	-	-	3	2	2	1
	Toxic Shock	1	-	-	-	-	13	10	7	8	10
	Trachoma	-	-	-	-	-	-	1	4	3	2
	Trichinosis	-	-	-	-	-	-	4	-	-	-
	Tularemia	-	-	-	-	-	-	2	-	-	-
	Unusual Outbreak or Occurrence	1	-	9	1	5	136	127	321	105	85
Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-	3	
Other Subtotal		21,368	25,349	16,454	19,781	28,157	382,088	438,062	391,484	405,464	418,704
STD	Chancroid	-	-	-	-	-	-	-	1	-	2
	Chlamydia (Genital)	503	428	510	479	562	37,987	39,419	38,858	38,757	41,452
	Gonorrhea	67	62	66	58	101	16,089	18,122	16,768	15,774	15,574
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	1	-	-	1
	Syphilis - Congenital	-	-	-	-	-	28	17	9	12	8
	Syphilis - Early Latent	-	-	-	-	-	-	69	44	75	96
	Syphilis - Late Latent	-	-	-	-	1	-	42	105	122	73
	Syphilis - Late with Manifestations	-	-	-	-	1	-	8	6	8	9
	Syphilis - Latent of Unknown Duration	-	3	1	-	2	-	244	107	140	138
	Syphilis - Primary	-	1	-	-	-	178	40	41	39	67
	Syphilis - Secondary	-	-	1	1	1	-	65	87	88	134
	STD Subtotal		-	-	1	1	1	-	65	87	88
Tuberculosis	Tuberculosis	3	5	6	3	6	272	205	175	184	200
VPD	Chickenpox (Varicella)	181	145	299	187	113	4,242	4,008	5,239	4,137	2,809
	Diphtheria	-	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	-	2	2	-	1	21	24	32	30	27
	Measles	-	-	-	-	-	-	1	1	3	4
	Mumps	-	-	-	-	-	3	23	85	29	38
	Pertussis	4	8	5	5	5	317	334	628	274	326
	Polio	-	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	1	1	3	-
	Tetanus	-	-	-	-	-	-	1	3	-	1
	VPD Subtotal		185	155	306	192	119	4,583	4,392	5,989	4,476
Vectorborne	Dengue Fever	-	-	1	2	-	6	7	9	13	11

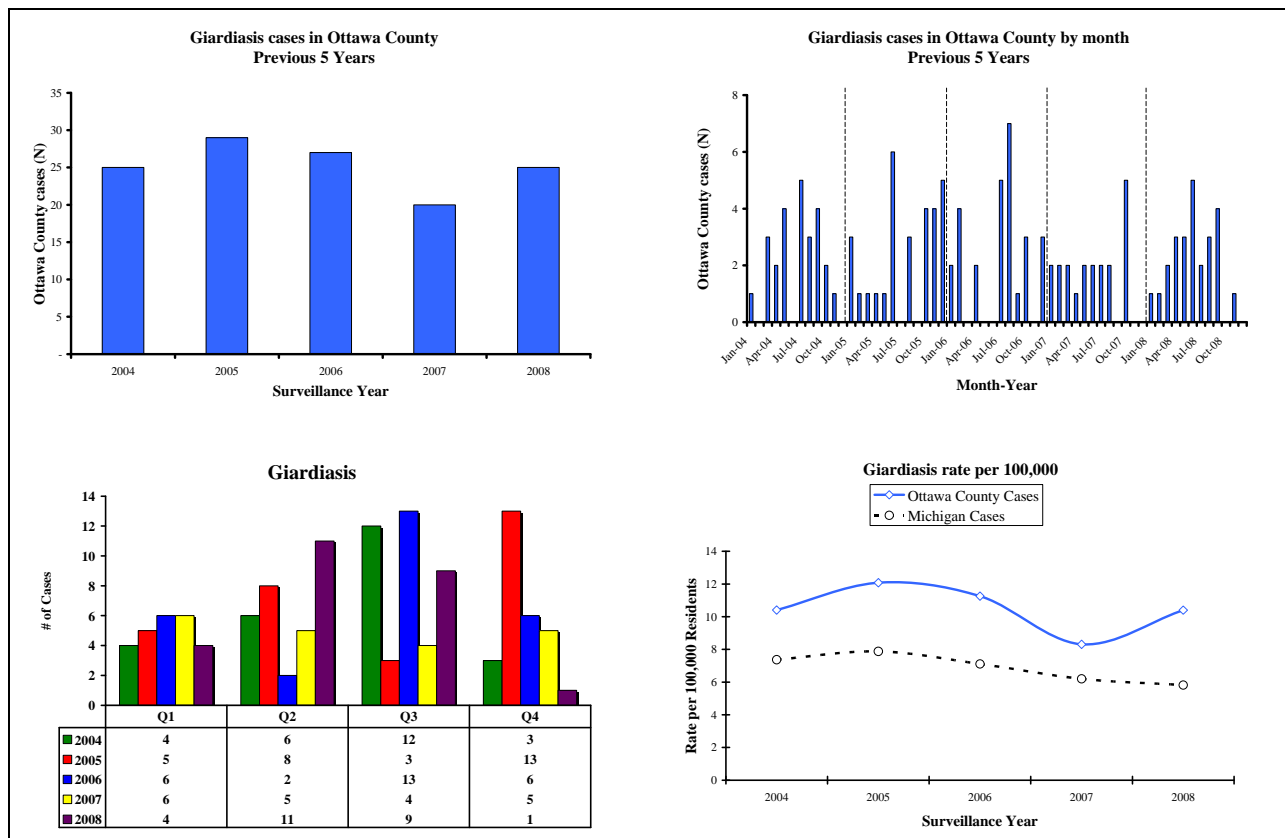
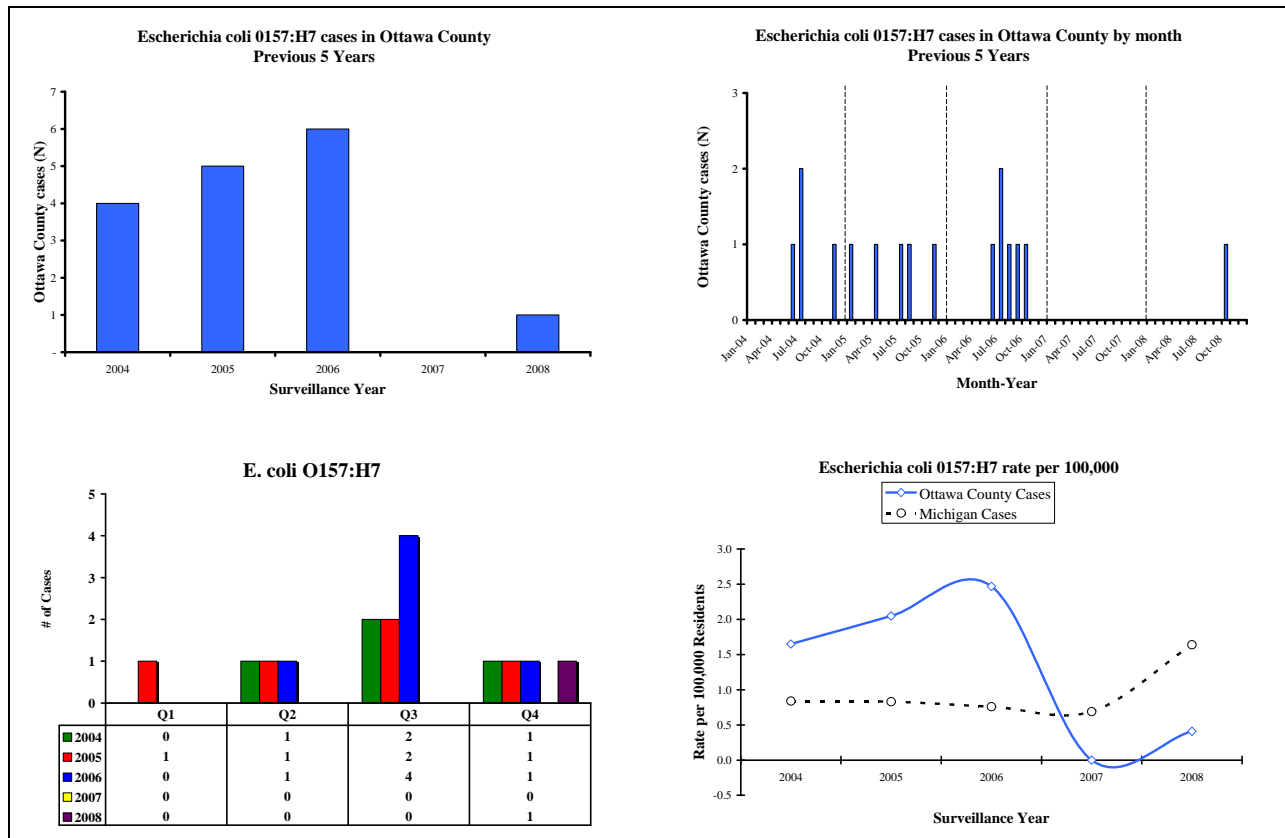
Disease Group	Reportable Condition	Ottawa County Cases*					Michigan Cases				
		2004	2005	2006	2007	2008	2004	2005	2006	2007	2008
Vectorborne	Ehrlichiosis	-	-	-	-	-	1	-	-	-	3
	Ehrlichiosis, human granulocytic	-	-	-	-	-	-	2	1	-	1
	Ehrlichiosis, human monocytic	-	-	-	-	-	-	-	2	-	1
	Ehrlichiosis human, other, unsp	-	-	-	-	-	1	-	-	-	1
	Encephalitis, California	-	-	-	-	-	1	-	1	1	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	3	-	-	-	1
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-	-
	Lyme Disease	1	4	4	3	2	28	63	56	69	114
	Malaria	1	-	-	-	-	21	24	22	23	17
	Rocky Mt Spotted Fever	-	-	-	1	-	3	5	7	3	3
	Typhus	-	-	-	-	-	-	2	-	-	-
	West Nile Virus	-	1	2	-	-	14	64	65	20	22
	Yellow Fever	-	-	-	-	-	-	-	-	-	-
Vectorborne Subtotal		2	5	7	6	2	78	167	163	129	174
Viral Hepatitis	Hepatitis A	1	5	-	4	2	151	127	136	118	134
	Hepatitis B, Acute	1	2	1	5	3	255	182	169	139	177
	Hepatitis B, Chronic	2	33	37	17	24	1,347	1,683	1,903	1,819	2,019
	Hepatitis B, Perinatal	-	-	1	-	-	1	2	3	2	1
	Hepatitis C, Acute	-	1	1	4	2	86	110	296	147	178
	Hepatitis C, Chronic	38	85	88	85	79	5,306	7,345	8,103	6,550	8,304
	Hepatitis C, Unknown	-	-	-	1	3	-	-	1	17	270
	Hepatitis D	-	-	-	-	-	-	1	4	1	1
	Hepatitis E	-	-	-	-	-	-	2	1	-	10
	Hepatitis Non A Non B	105	130	141	116	137	4,743	5,104	5,190	4,957	5,554
	Viral Hepatitis Subtotal		147	256	269	232	250	11,889	14,556	15,806	13,750
Total		21,810	25,898	17,181	20,330	28,671	403,461	462,379	418,699	428,898	444,383

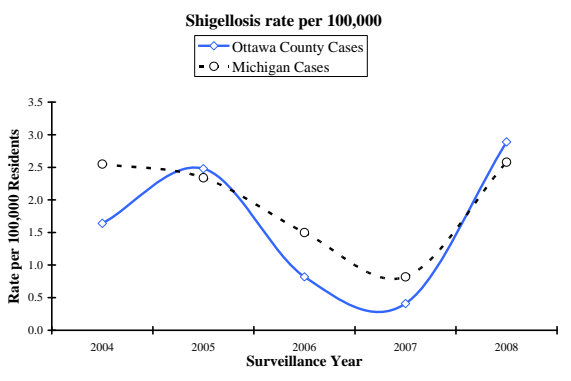
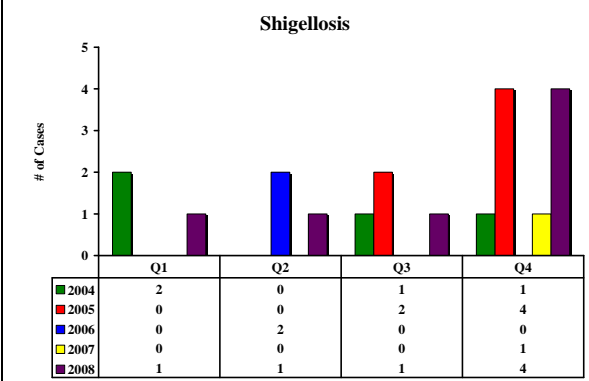
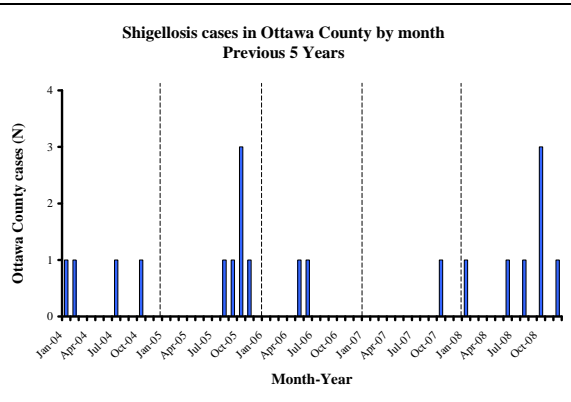
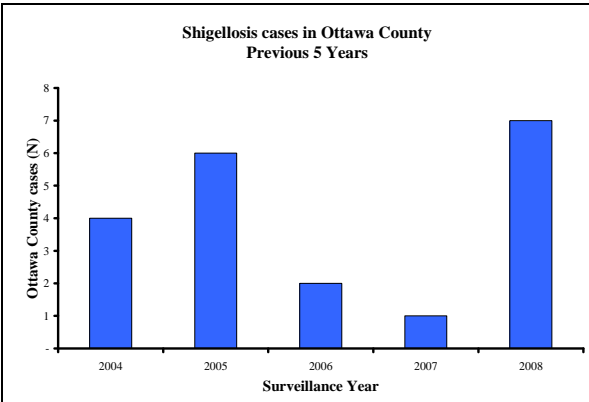
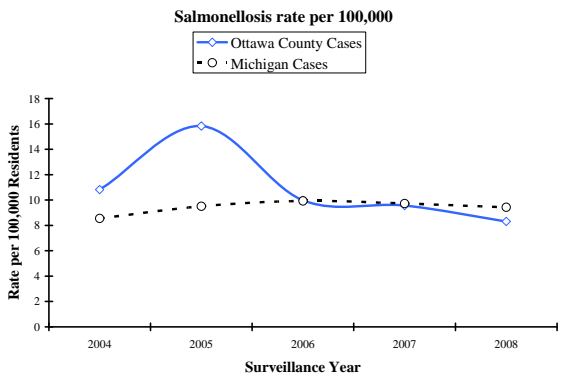
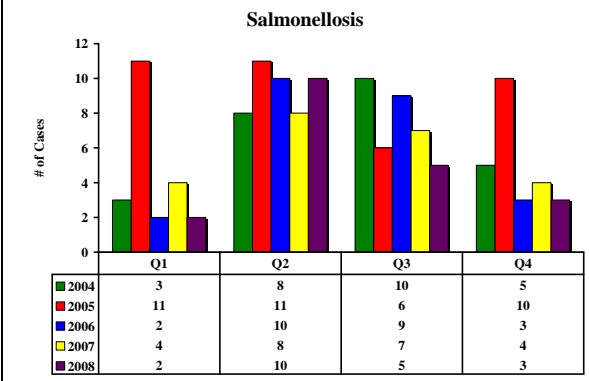
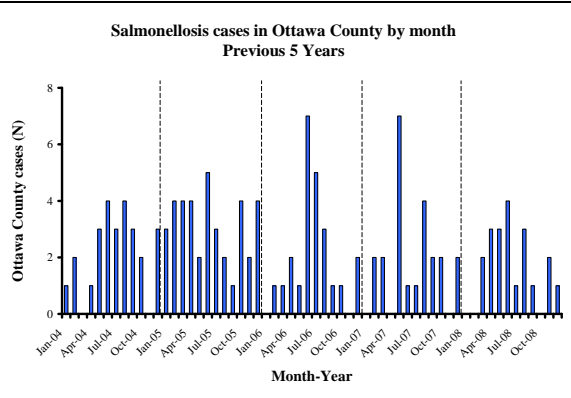
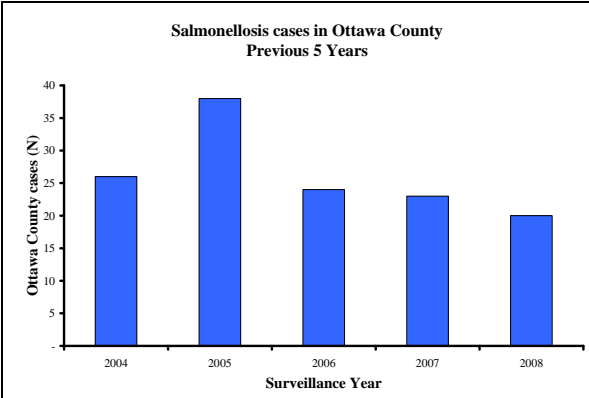
* Data for cases is based on year case was referred to the health department

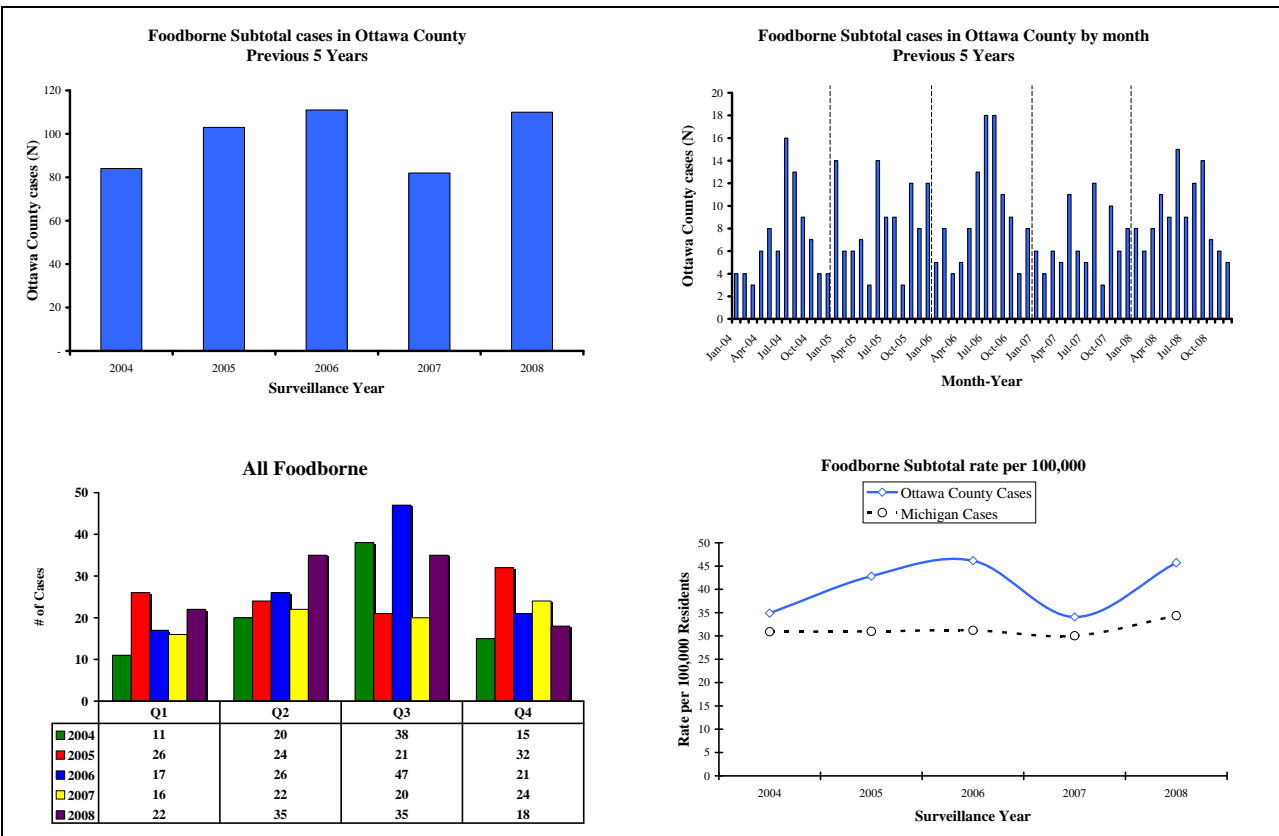
'-' Indicates no cases were reported

Foodborne Illness:

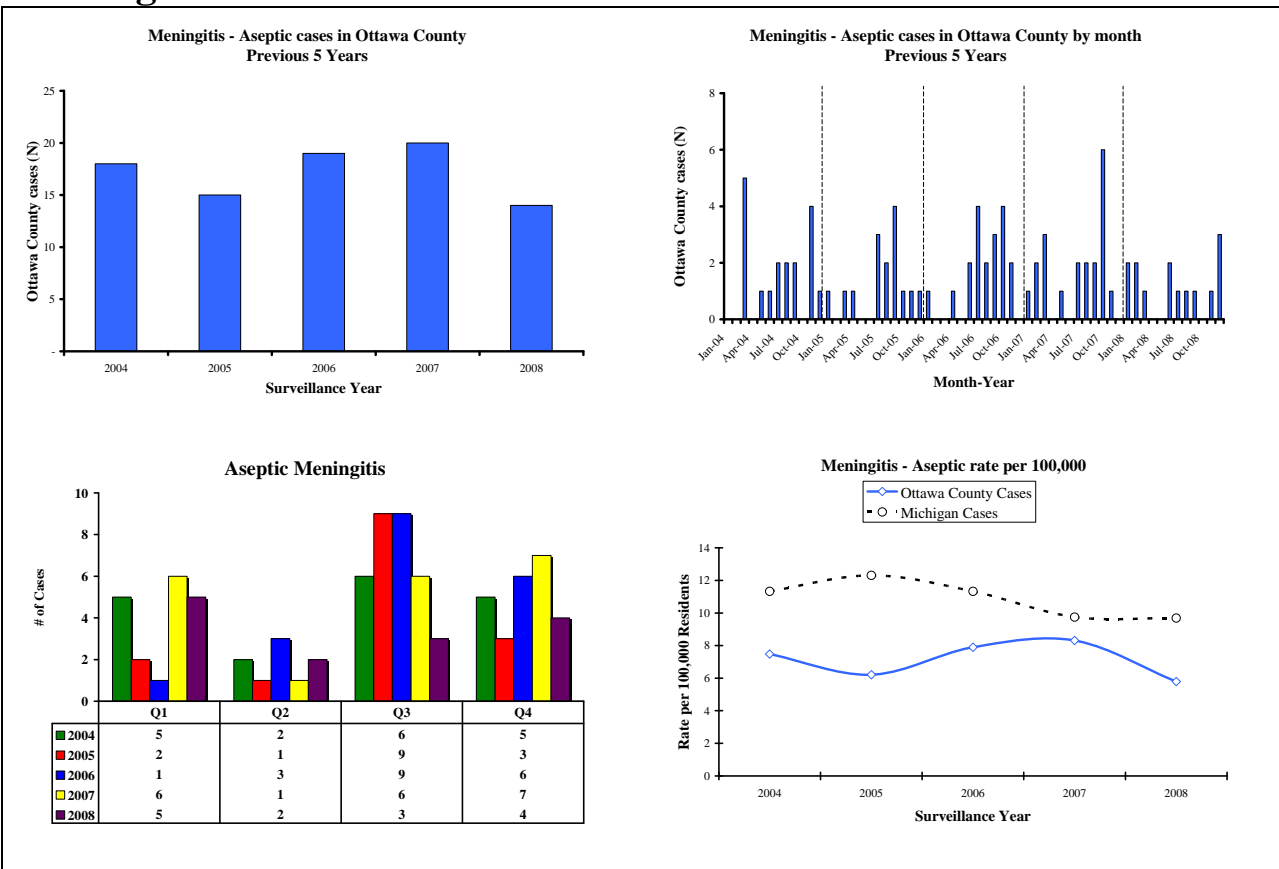


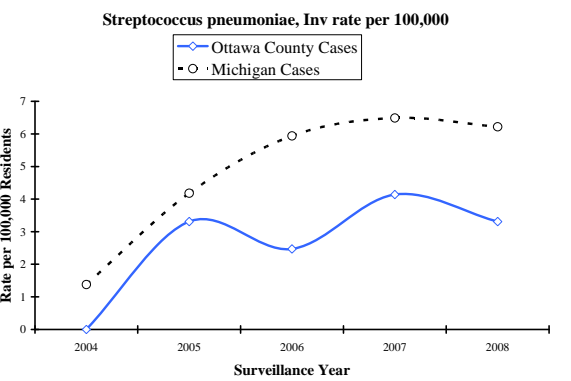
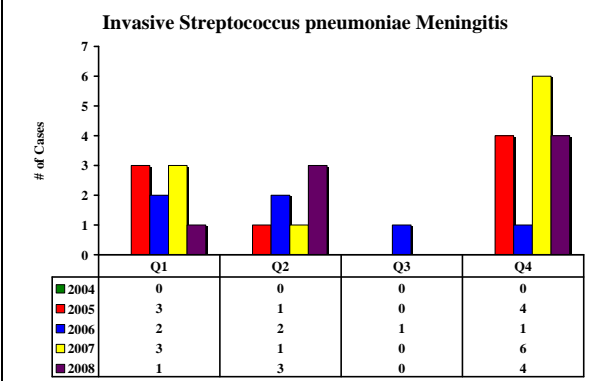
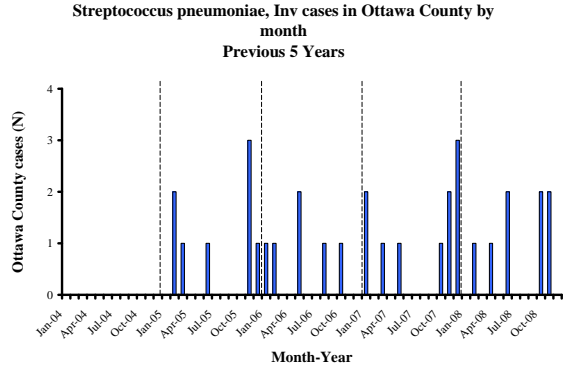
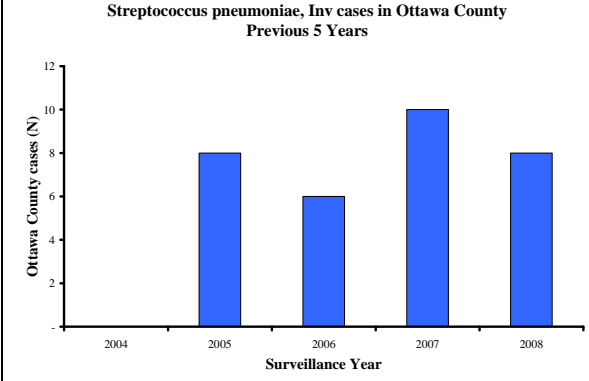
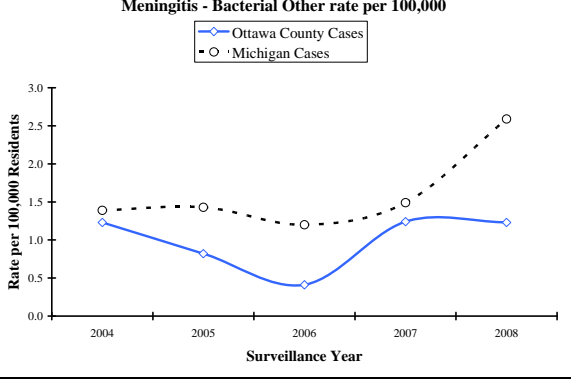
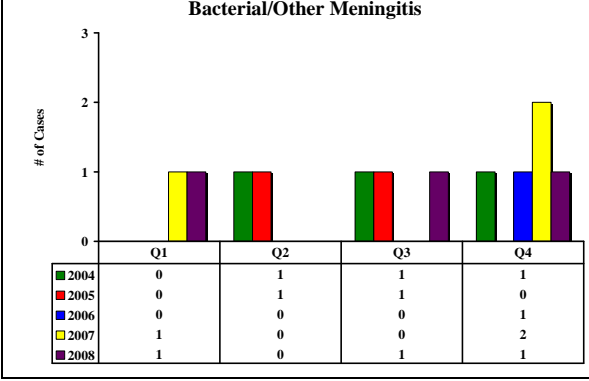
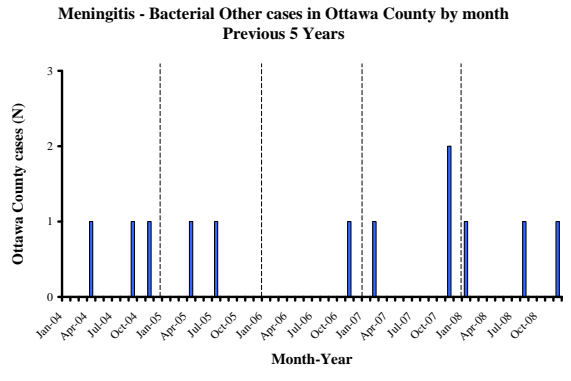
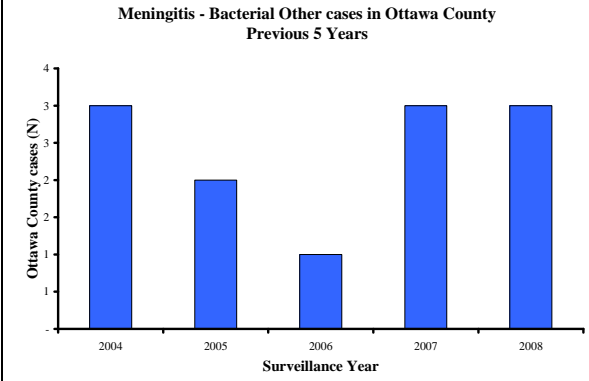


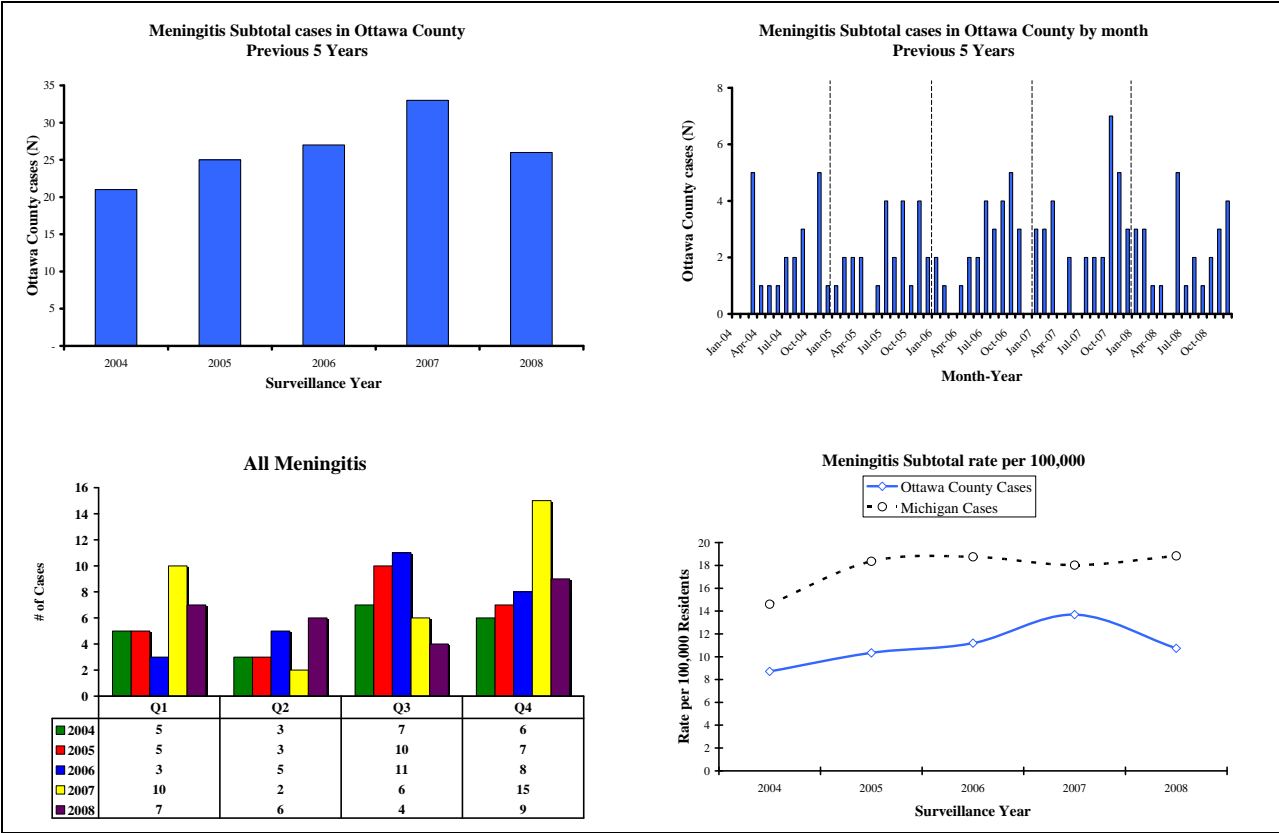




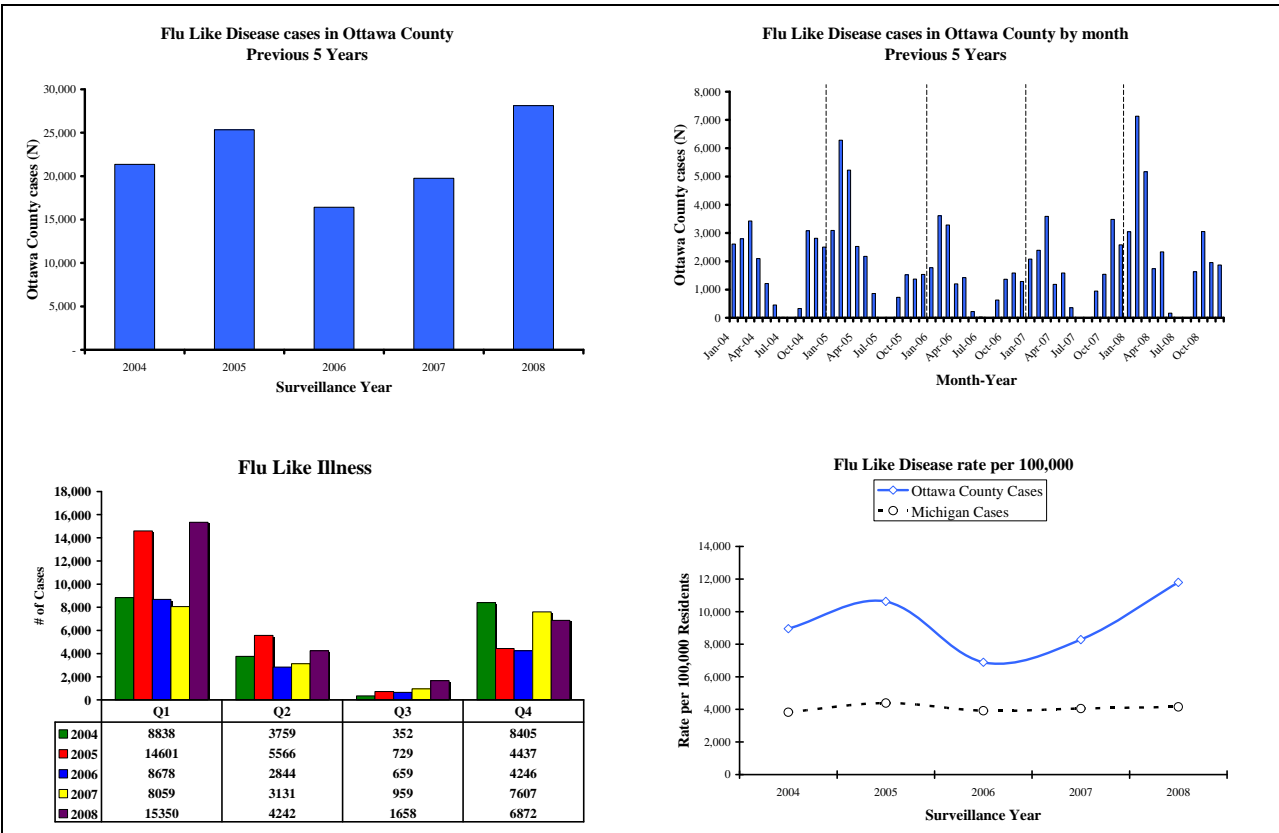
Meningitis:

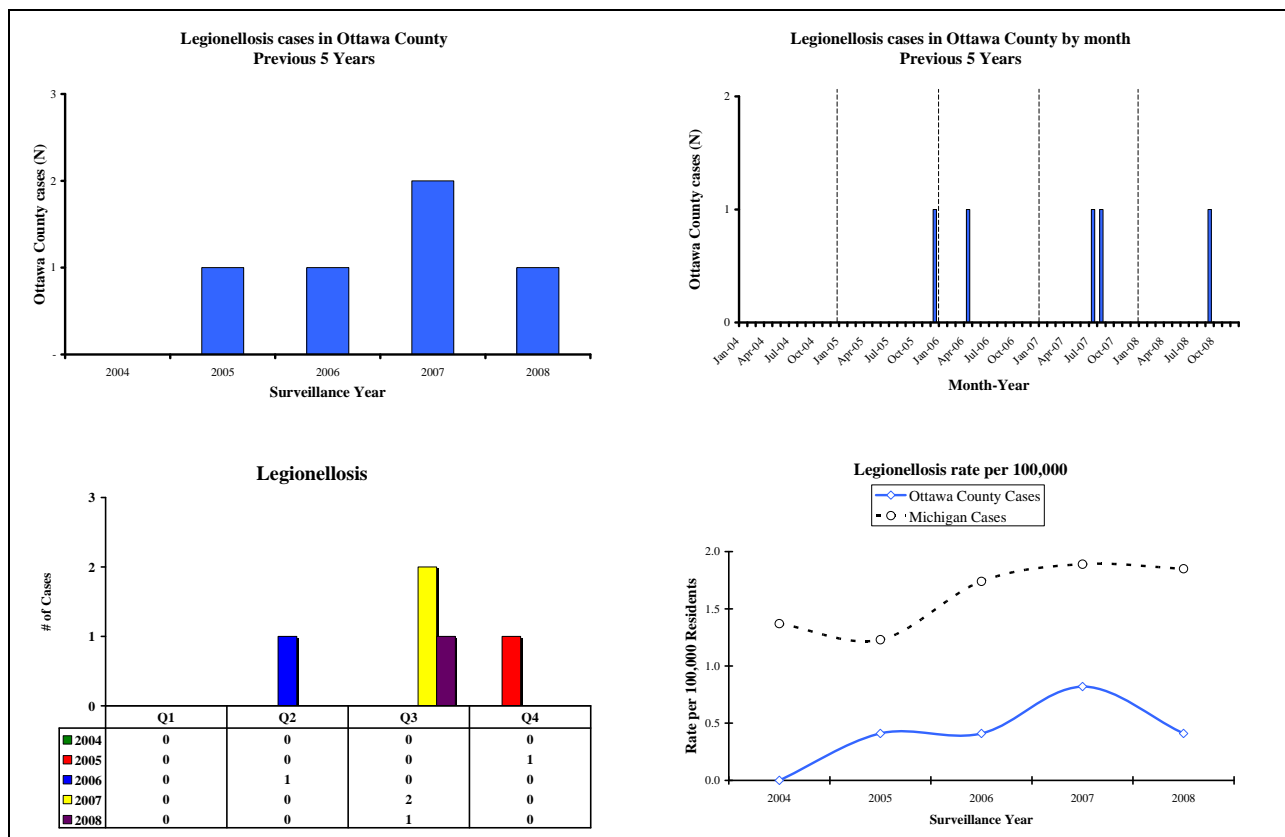
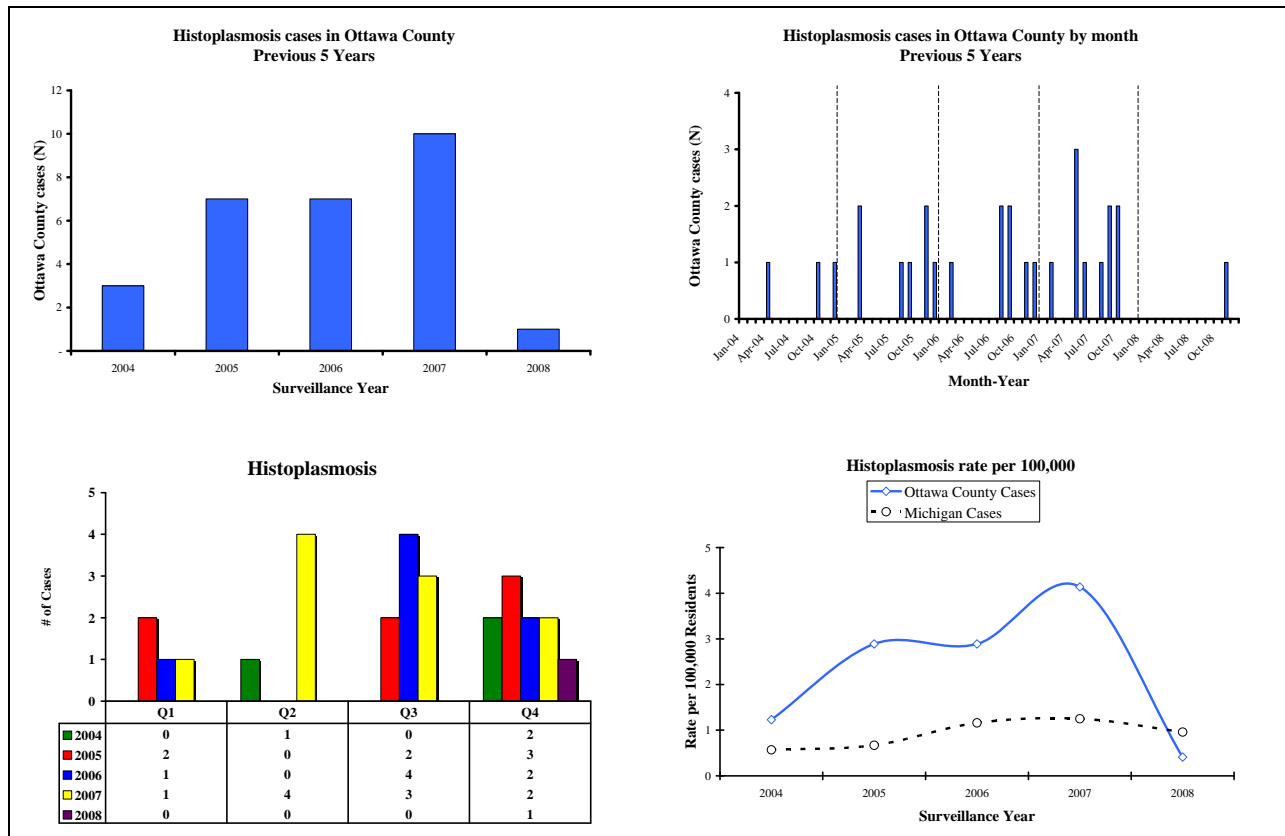


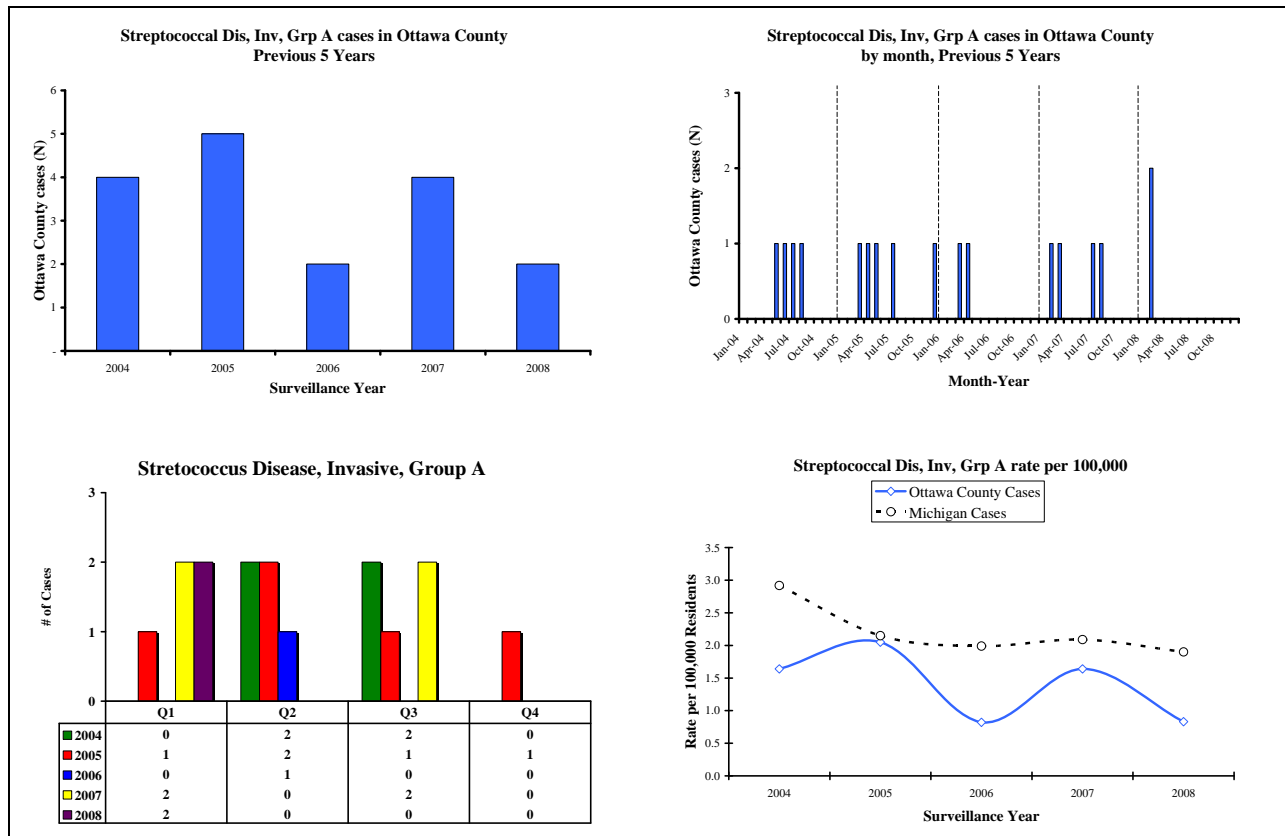




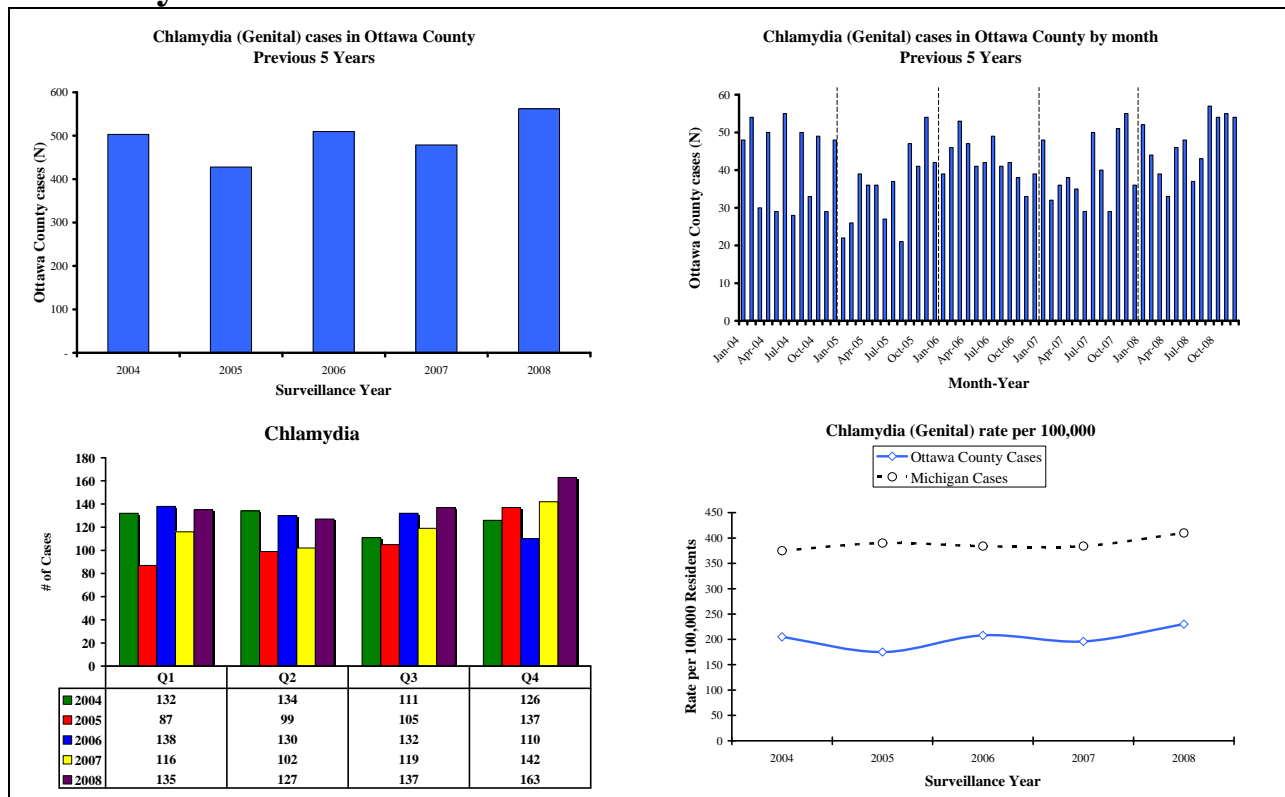
Other:

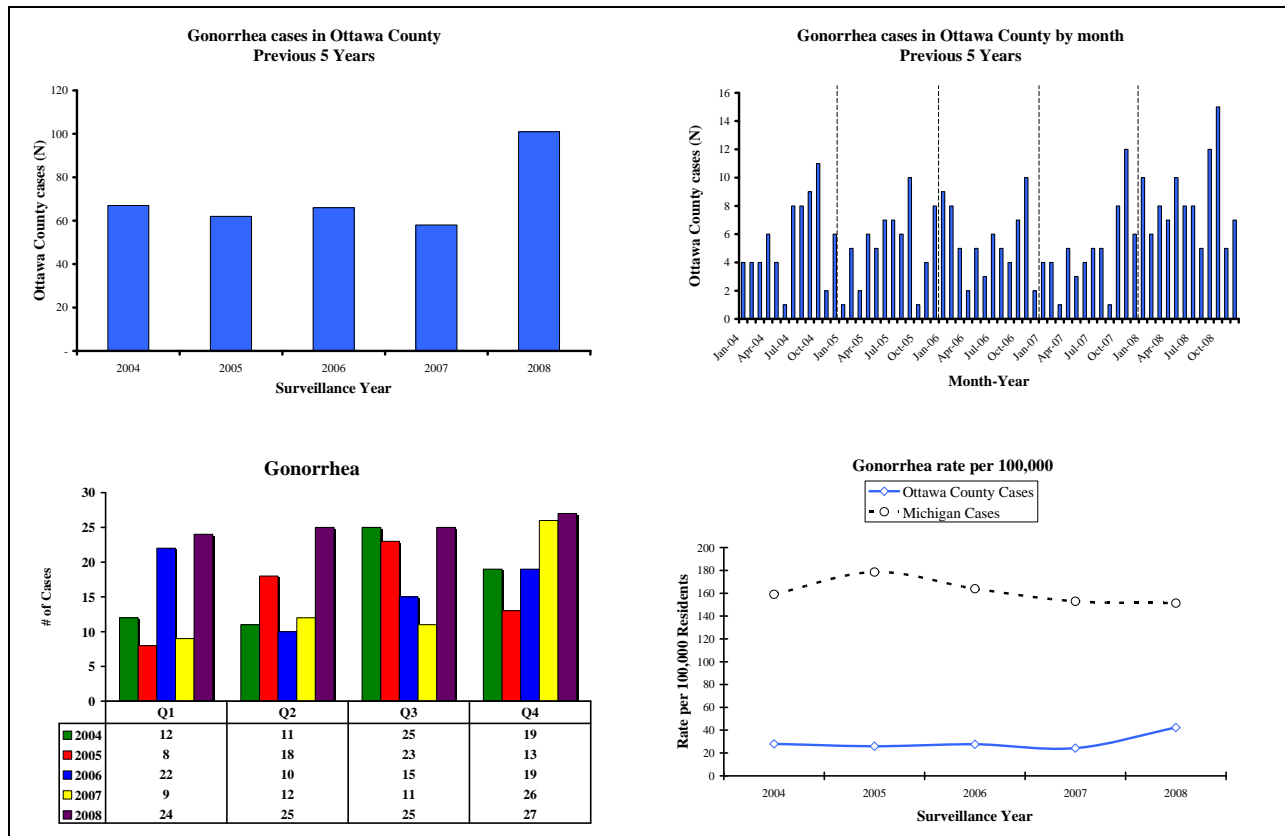




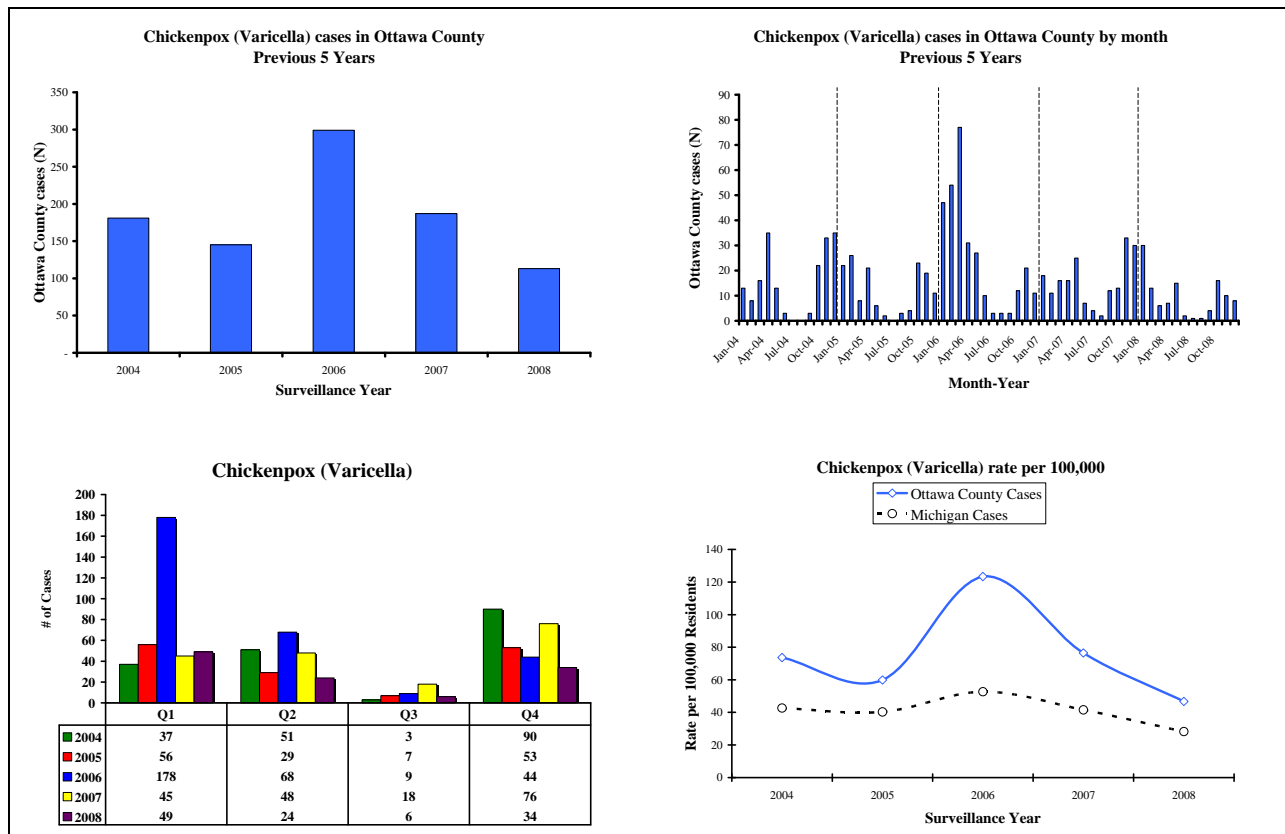


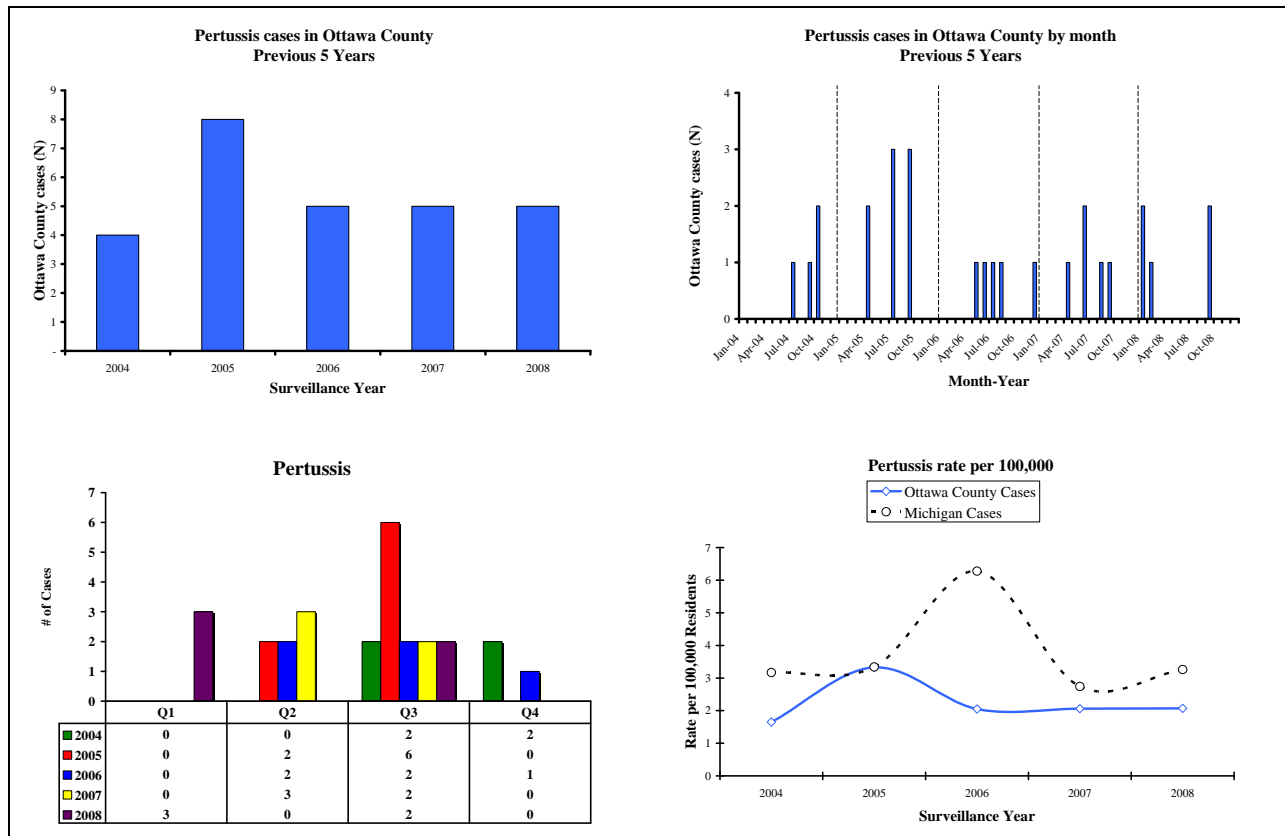
Sexually Transmitted Diseases:



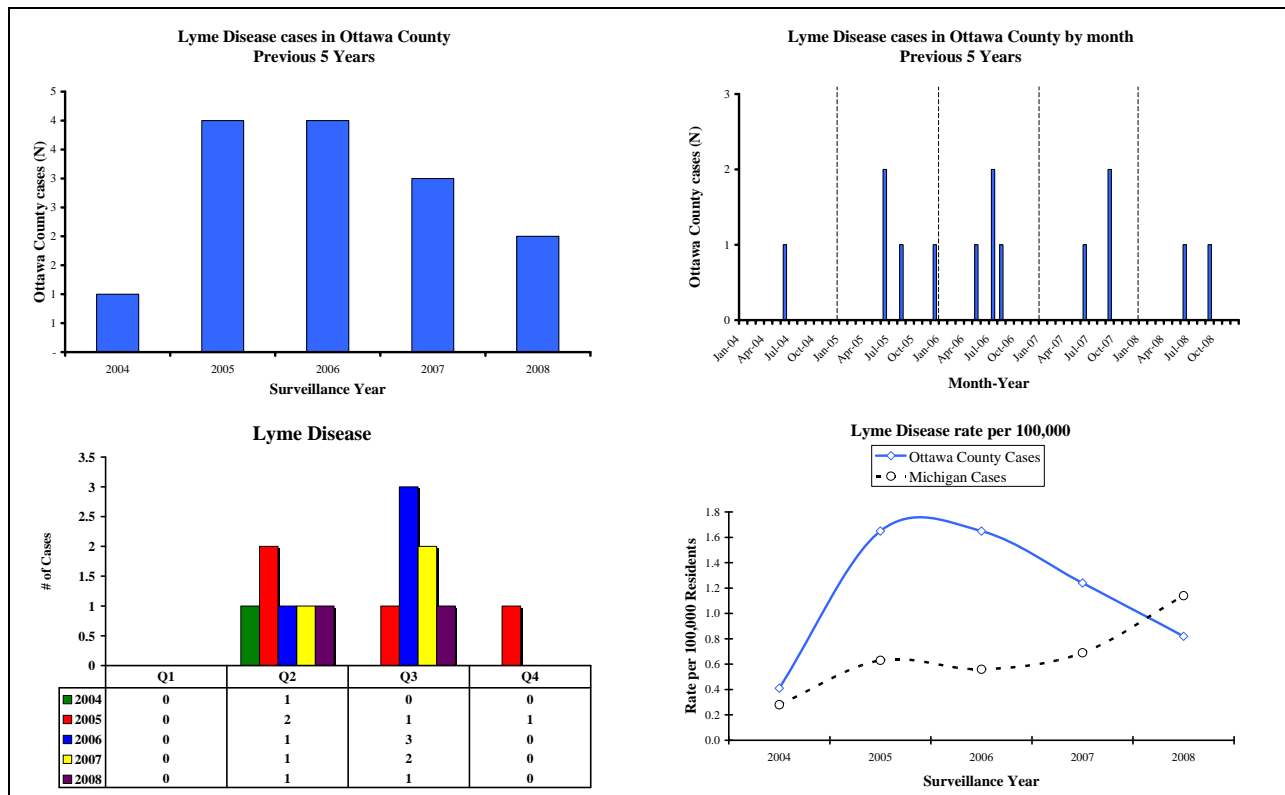


Vaccine Preventable Disease:





Vectorborne Disease:



Viral Hepatitis

