



*mi*Ottawa Department of
Public Health

**Annual Summary of
Reportable Diseases
Ottawa County
2015**

Prepared March 11, 2016

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www.miottawa.org/health

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Reportable Diseases Summary 2015

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Annual Reportable Disease Summary

Data

The data in the annual disease report are provisional, based on current reports in the Michigan Disease Surveillance System (MDSS) made by local health departments. The MDSS is a dynamic, continually active system: counts of disease are constantly changing as cases are investigated, confirmed as cases, or ruled out as not meeting the case definition. Therefore, it should be kept in mind that numbers in the disease reports may change and should be used only to generally monitor trends over time. Suspected, probable and laboratory confirmed cases of the reportable condition are included in the report.

Specific data requests and questions should be directed towards:

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Disease Group	Reportable Condition	Ottawa County Cases Reported**					Michigan Cases Reported				
		2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Foodborne	Amebiasis	-	1	-	3	-	17	17	35	23	33
	Botulism - Foodborne	-	-	-	-	-	-	2	-	-	-
	Campylobacter	63	68	67	45	71	1,256	1,212	1,283	1,194	1,343
	Cryptosporidiosis	9	13	7	11	17	359	352	266	248	239
	Giardiasis	15	27	23	17	9	553	541	548	512	447
	Listeriosis	1	-	-	-	-	37	22	7	19	20
	Norovirus***	16	12	2	20	81	218	214	327	341	768
	Salmonellosis	23	18	40	34	20	855	1,003	1,013	1,049	967
	Shiga toxin-producing Escherichia coli --(STEC)	6	8	10	8	7	190	301	213	149	145
	Shigellosis	7	2	10	3	19	193	249	175	309	512
	Typhoid Fever	-	-	-	-	-	6	9	5	8	9
	Yersinia enteritis	-	1	-	2	1	26	17	24	24	20
Foodborne Subtotal	140	150	159	143	225	3,710	3,940	3,905	3,876	4,503	
Influenza	Flu Like Disease* ***	32,604	31,103	31,116	29,139	30,342	409,457	389,482	378,616	280,888	298,780
	Influenza	23	28	46	48	4	3,344	3,057	6,061	7,914	7,368
	Influenza, Novel	-	-	-	-	-	-	12	24	1	-
	Influenza Subtotal	32,627	31,131	31,162	29,187	30,346	412,801	392,551	384,701	288,803	306,148
Meningitis	Meningitis - Aseptic	18	11	19	24	21	909	906	958	679	808
	Meningitis - Bacterial Other	2	2	4	5	6	112	136	116	140	142
	Meningococcal Disease	1	-	-	-	-	12	15	5	14	8
	Streptococcus pneumoniae, Inv	13	12	13	15	13	677	556	617	520	694
	Meningitis Subtotal	34	25	36	44	40	1,710	1,613	1,696	1,353	1,652
Other	Anthrax	-	-	-	-	-	-	-	-	-	-
	Blastomycosis	-	1	1	2	-	13	13	21	19	13
	Botulism - Infant	-	-	-	-	-	-	2	-	1	1
	Botulism - Other	-	-	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	1	1	-	2	2
	Cholera	-	-	-	-	-	1	-	1	-	-
	Coccidioidomycosis	-	3	1	3	1	37	35	18	34	23
	Creutzfeldt-Jakob Disease	1	-	-	-	-	17	14	16	7	12
	Cryptococcosis	-	-	-	-	1	48	41	35	27	34
	Cyclosporiasis	-	-	-	-	-	7	-	4	6	8
	Encephalitis, Post Chickenpox	-	-	-	-	-	2	1	1	1	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	1	-	-	-	23	21	17	23	21
	Encephalitis, Primary	-	-	-	1	-	24	22	6	23	12
	Guillain-Barre Syndrome	2	3	1	-	1	77	66	49	54	52
	Hantavirus	-	-	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	1	1	1	-	-	9	6	7	6	12
	Hemorrhagic Fever	-	-	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	4	3	-	-	-
	Histoplasmosis	26	12	19	11	13	155	152	104	132	188
	Kawasaki	-	-	-	1	2	74	56	61	56	56
	Legionellosis	2	2	1	4	1	196	186	284	236	258
	Leprosy	-	-	-	-	-	-	1	1	-	1
	Melioidosis	-	-	-	-	-	-	-	-	-	1
	Leptospirosis	-	-	-	-	-	1	-	1	1	-
	Plague	-	-	-	-	-	-	-	-	-	1
	Psittacosis	-	-	-	-	-	-	-	-	-	-
	Q Fever*	1	1	-	-	-	7	3	1	1	2
Q Fever Acute	1	1	-	-	-	7	3	1	1	2	
Q Fever Chronic	-	-	-	-	-	1	-	-	1	2	
Rabies Animal	-	1	-	-	2	65	60	41	41	36	
Rabies Human	-	-	-	-	-	-	-	-	-	-	
Reye Syndrome	-	-	-	-	-	-	-	-	-	-	
Rheumatic Fever	-	-	1	-	-	1	2	1	2	1	
Rubella - Congenital	-	-	-	-	-	-	-	-	-	-	
Streptococcus pneumoniae, Drug Resistant	2	7	3	1	-	55	119	119	83	98	

Disease Group	Reportable Condition	Ottawa County Cases Reported**					Michigan Cases Reported				
		2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Other	Streptococcal Dis, Inv, Grp A	8	10	9	9	13	294	228	245	300	329
	Streptococcal Toxic Shock	-	1	2	-	-	6	9	10	4	11
	Toxic Shock	-	1	-	-	-	5	6	8	4	7
	Trachoma	-	-	-	-	-	1	-	2	4	2
	Trichinosis	-	-	-	-	-	1	1	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	2	-
	Vibriosis - Non Cholera	-	-	1	2	-	10	7	11	8	9
	VISA	-	1	-	-	-	5	10	14	3	4
	VRSA	-	-	-	-	-	-	-	-	-	1
Other Subtotal	44	46	40	34	34	1,147	1,068	1,079	1,082	1,199	
STD	Chancroid	-	-	-	-	-	1	2	1	-	-
	Chlamydia (Genital)	574	755	729	712	854	49,078	47,723	45,212	45,251	48,012
	Gonorrhea	66	74	95	82	82	12,795	12,586	10,791	9,718	11,029
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-	20
	Primary & Secondary Syphilis	3	-	-	5	4	281	295	497	437	403
	All Syphilis	4	-	-	8	10	752	807	1,093	1,220	1,114
STD Subtotal	644	829	824	802	946	62,626	61,118	57,097	56,189	60,175	
Tuberculosis	Tuberculosis	4	1	3	3	2	173	149	146	104	163
	Mycobacterium - Other	14	12	16	23	23	881	889	743	649	678
	Tuberculosis Subtotal	18	13	19	26	25	1,054	1,038	889	753	841
VPD	Chickenpox (Varicella)	23	23	36	28	17	1,031	971	715	713	564
	Diphtheria	-	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	3	2	2	3	7	78	84	102	101	136
	Measles	-	-	-	-	-	2	1	5	5	1
	Mumps	-	-	-	-	-	20	24	16	39	20
	Pertussis	38	55	58	41	19	670	858	1,017	1,386	480
	Polio	-	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-	-
	Shingles	3	5	3	10	23	205	309	399	484	685
	Tetanus	-	-	-	-	-	4	2	1	-	-
VZ Infection, Unspecified	1	-	3	2	2	106	115	101	152	209	
VPD Subtotal	68	85	102	84	68	2,116	2,364	2,356	2,880	2,095	
Vectorborne	Babesiosis	-	-	-	-	-	-	-	3	2	3
	Dengue Fever	-	-	-	-	1	6	9	16	6	23
	Ehrlichiosis	-	-	-	-	-	4	3	2	3	8
	Encephalitis, California	-	-	-	-	-	1	-	-	-	1
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	1	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-	-
	Lyme Disease	4	4	3	4	9	105	98	168	124	165
	Malaria	2	-	-	1	-	35	26	23	18	21
	Rickettsial Disease - Spotted Fever	-	-	-	-	1	4	3	3	1	2
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	-	-
	West Nile Virus	-	1	1	-	1	35	205	36	1	19
Yellow Fever	-	-	-	-	-	-	-	-	-	-	
Vectorborne Subtotal	6	5	4	5	12	190	344	248	155	245	
Viral Hepatitis	Hepatitis A	1	3	-	-	-	64	110	91	54	74
	Hepatitis B, Acute	-	1	-	-	2	96	77	58	50	63
	Hepatitis B, Chronic	16	24	14	10	11	1,301	1,335	1,121	1,113	1,093
	Hepatitis B, Perinatal	-	-	1	-	-	1	2	1	2	-
	Hepatitis C, Acute	1	1	-	1	2	35	79	76	80	98
	Hepatitis C, Chronic	66	61	50	59	75	7,986	7,928	6,690	8,152	7,772
	Hepatitis C, Unknown*	-	-	-	-	-	9	2	-	-	13
	Hepatitis D	-	-	-	-	-	3	1	2	1	3
	Hepatitis E	-	-	-	-	-	15	7	3	2	7
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-	-
Viral Hepatitis Subtotal	84	90	65	70	90	9,510	9,541	8,042	9,454	9,123	
Total		33,665	32,374	32,411	30,395	31,786	494,864	473,577	460,013	364,545	385,981

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

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

***The Ottawa County Department of Public Health began reporting outbreak aggregate counts of these diseases to the MDSS in 2015.



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Graphs

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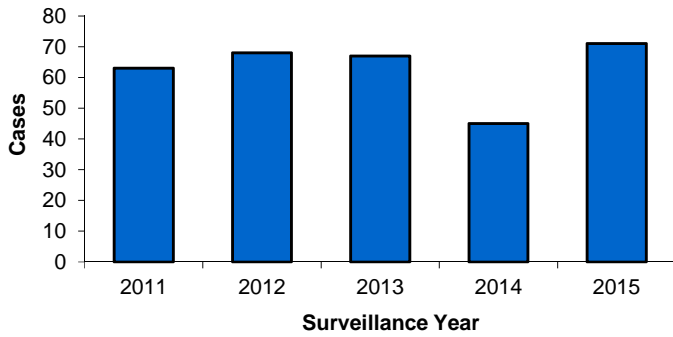
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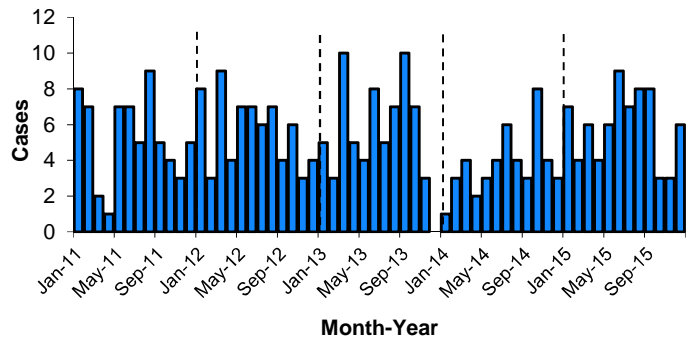
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Foodborne Illness:

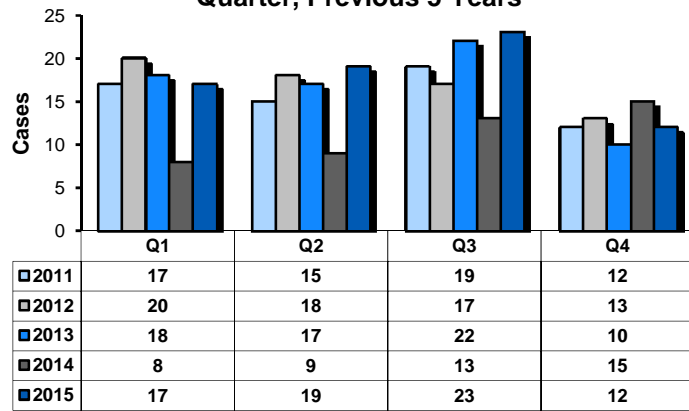
Campylobacter Cases in Ottawa County Previous 5 Years



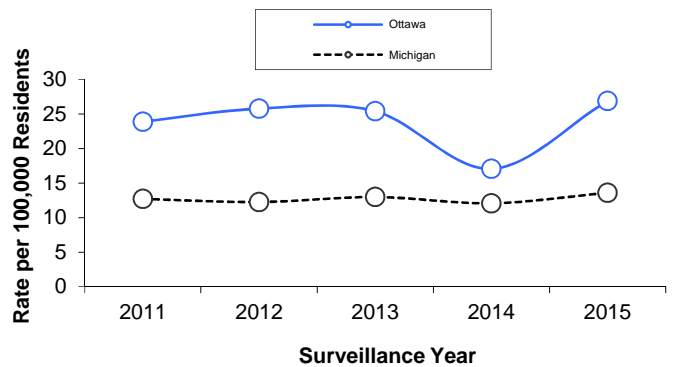
Campylobacter Cases in Ottawa County by Month, Previous 5 Years



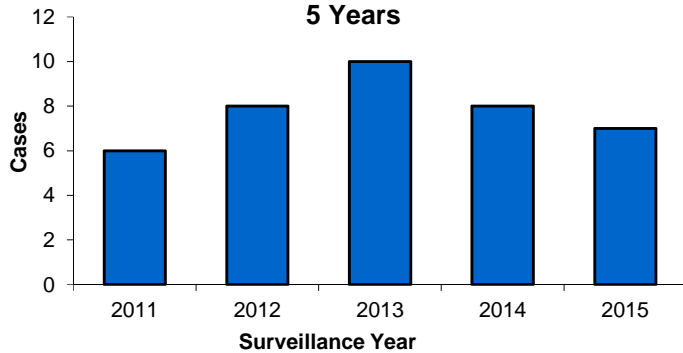
Campylobacter Cases in Ottawa County by Quarter, Previous 5 Years



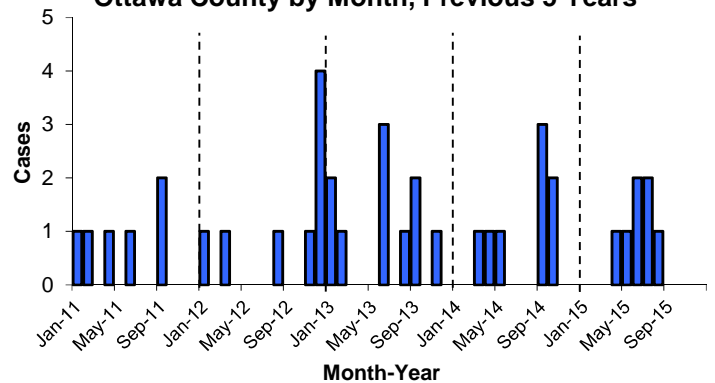
Campylobacter Cases per 100,000



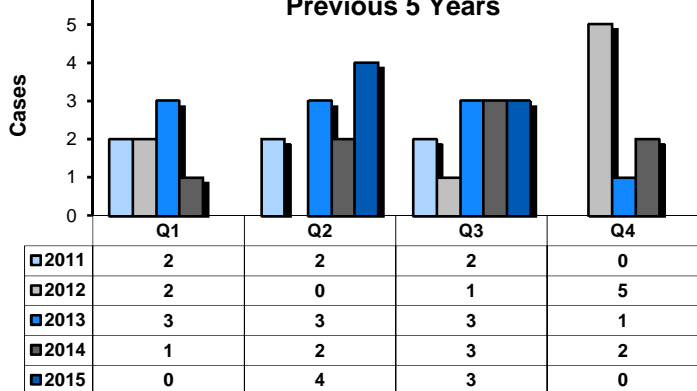
Shiga toxin-producing *Escherichia coli* (STEC) Cases in Ottawa County, Previous 5 Years



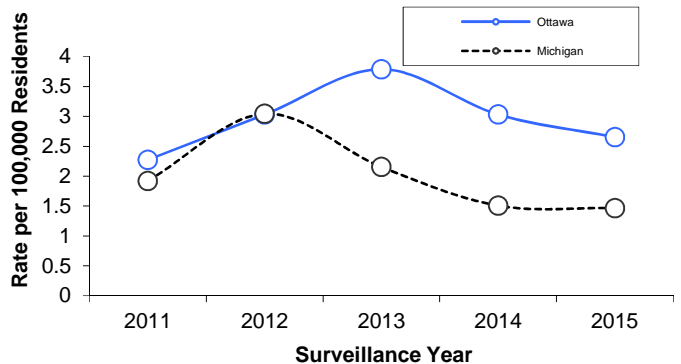
Shiga toxin-producing *Escherichia coli* (STEC) Cases in Ottawa County by Month, Previous 5 Years



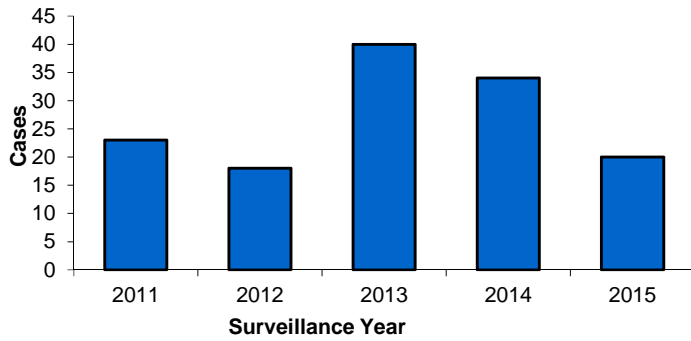
Shiga toxin-producing *Escherichia coli* (STEC) Cases in Ottawa County by Quarter, Previous 5 Years



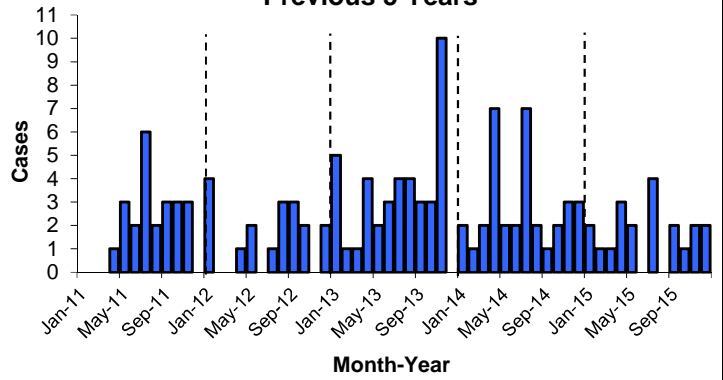
Shiga toxin-producing *Escherichia coli* (STEC) Cases per 100,000



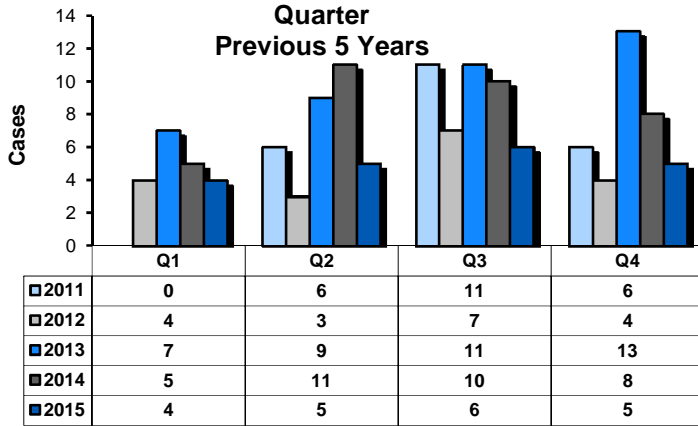
Salmonella Cases in Ottawa County Previous 5 Years



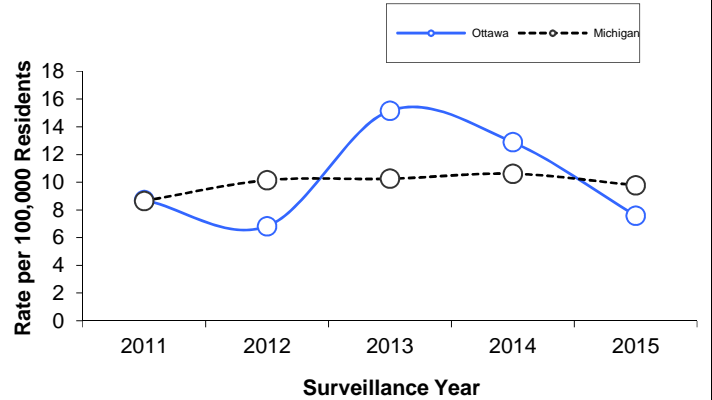
Salmonella Cases in Ottawa County by Month Previous 5 Years



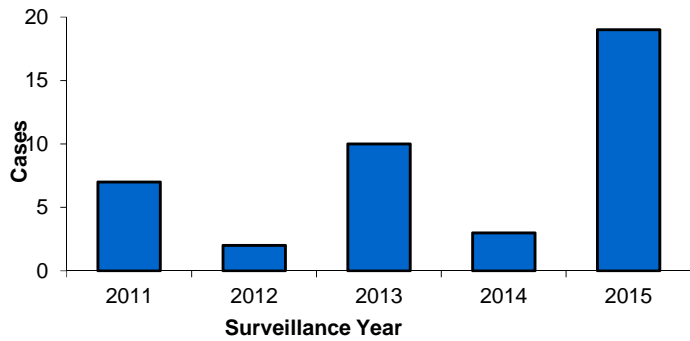
Salmonella Cases in Ottawa County by Quarter Previous 5 Years



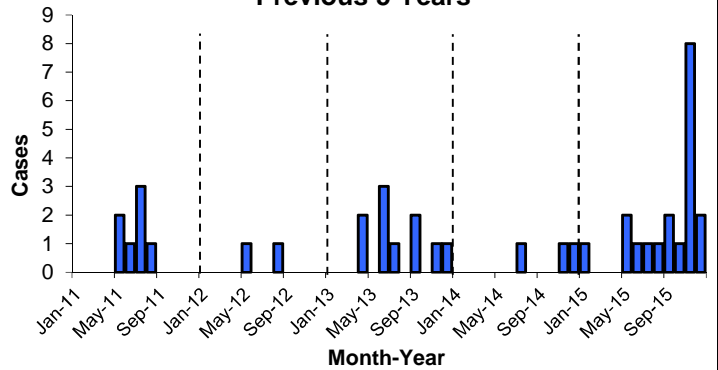
Salmonella Cases per 100,000



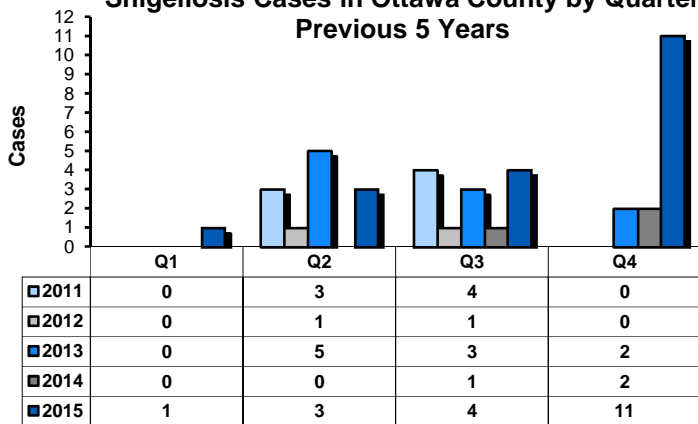
Shigellosis Cases in Ottawa County Previous 5 Years



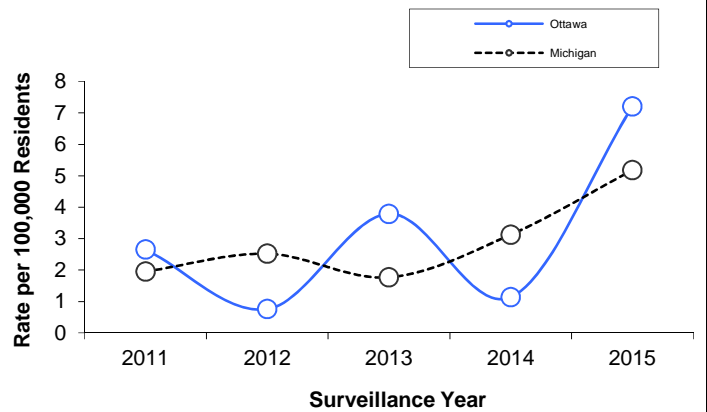
Shigellosis Cases in Ottawa County by Month Previous 5 Years



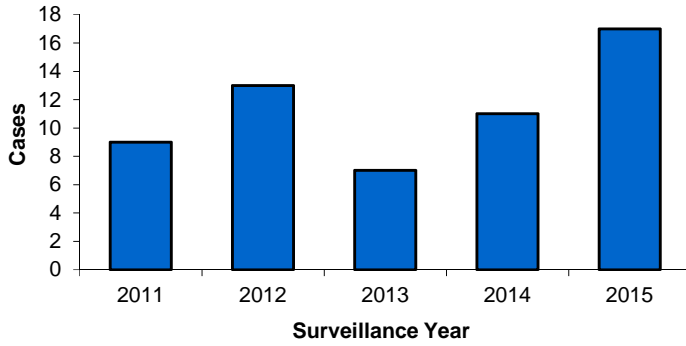
Shigellosis Cases in Ottawa County by Quarter Previous 5 Years



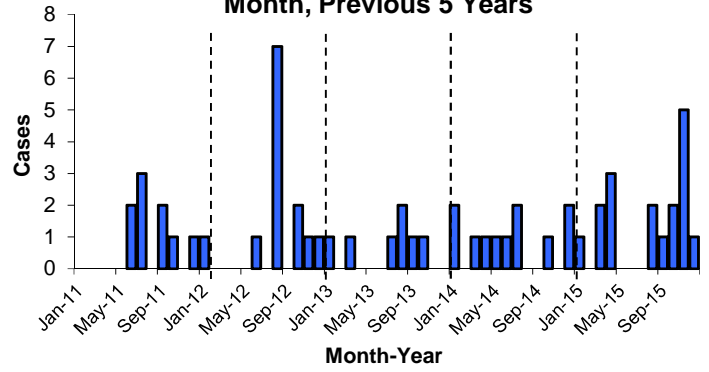
Shigellosis Cases per 100,000



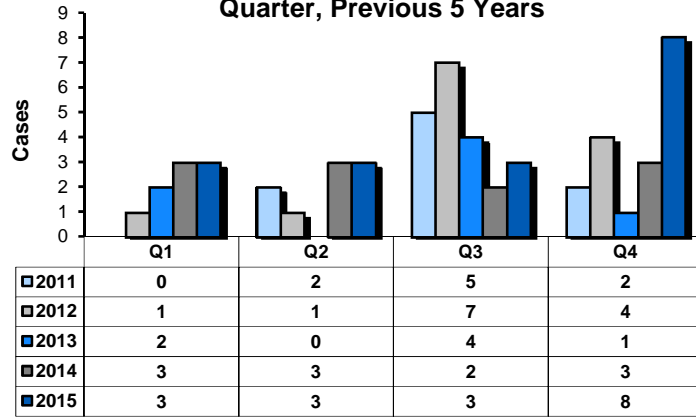
Cryptosporidiosis Cases in Ottawa County Previous 5 Years



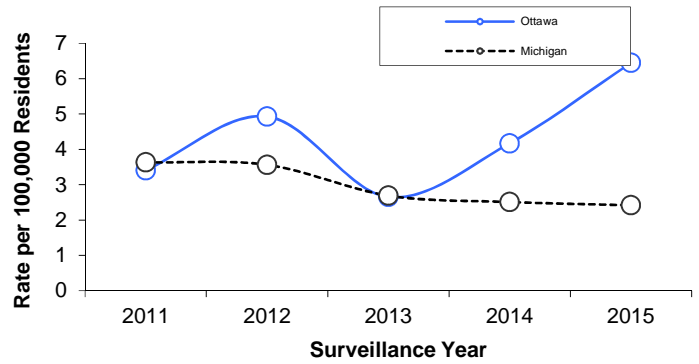
Cryptosporidiosis Cases in Ottawa County by Month, Previous 5 Years



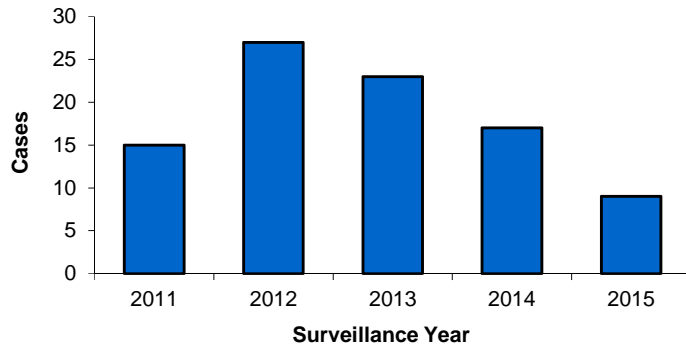
Cryptosporidiosis Cases in Ottawa County by Quarter, Previous 5 Years



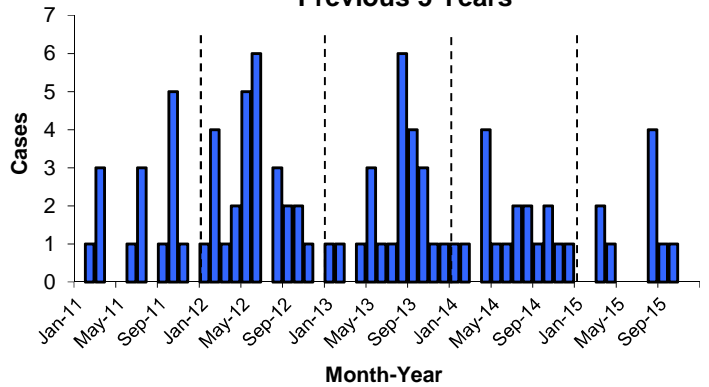
Cryptosporidiosis Cases per 100,000



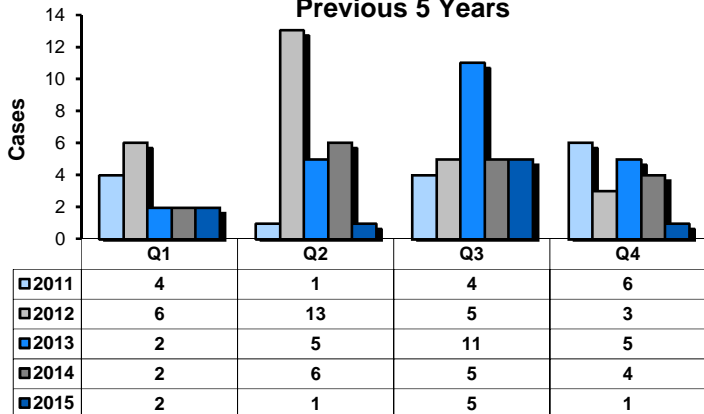
Giardia Cases in Ottawa County Previous 5 Years



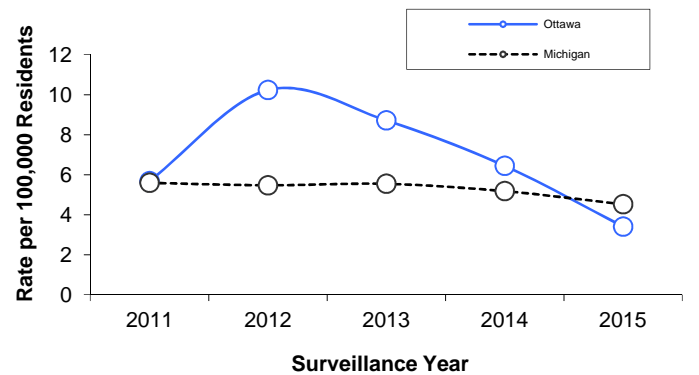
Giardia Cases in Ottawa County by Month Previous 5 Years



Giardia Cases in Ottawa County by Quarter Previous 5 Years

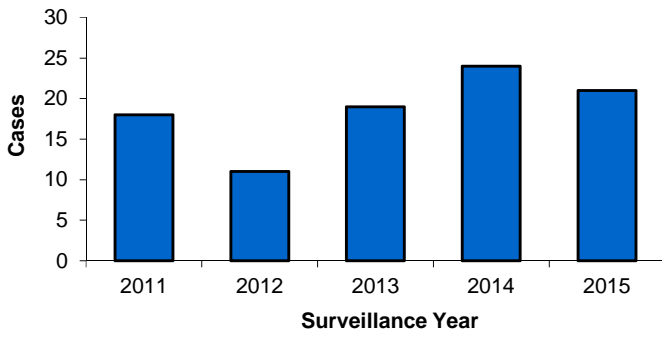


Giardia Cases per 100,000

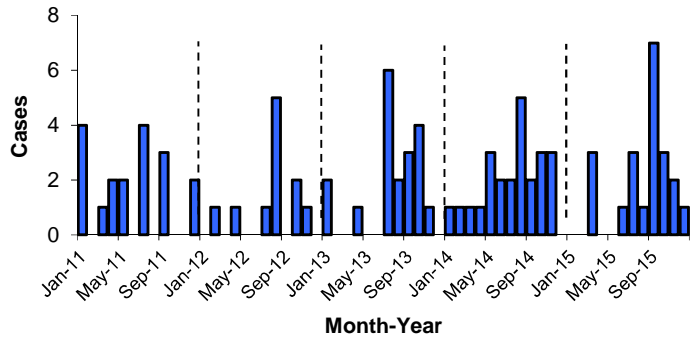


Meningitis:

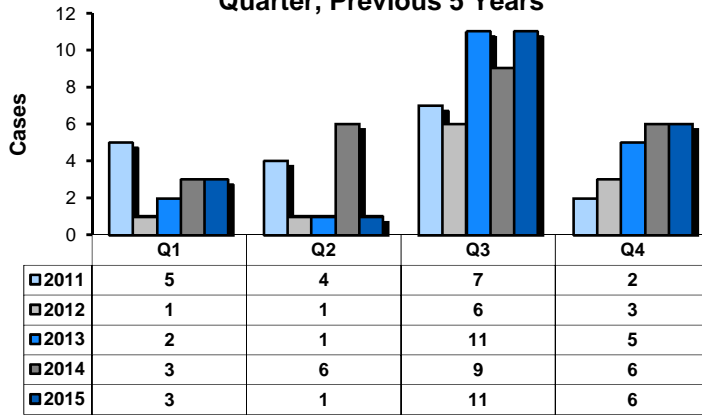
Aseptic Meningitis Cases in Ottawa County Previous 5 Years



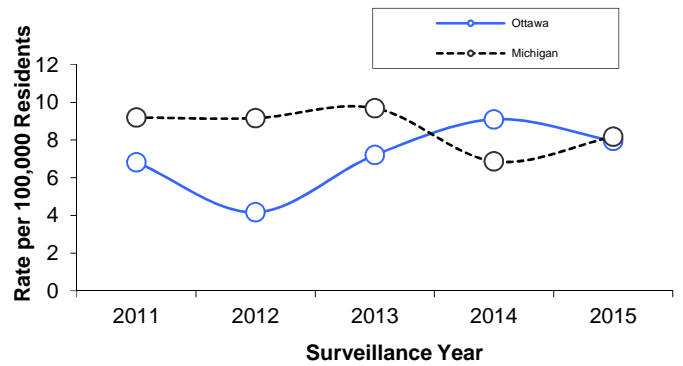
Aseptic Meningitis Cases in Ottawa County by Month, Previous 5 Years



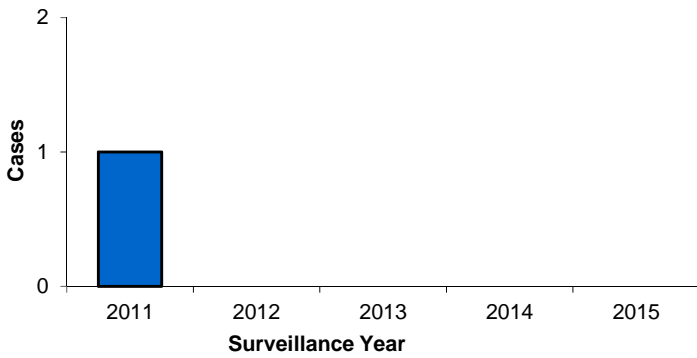
Aseptic Meningitis Cases in Ottawa County by Quarter, Previous 5 Years



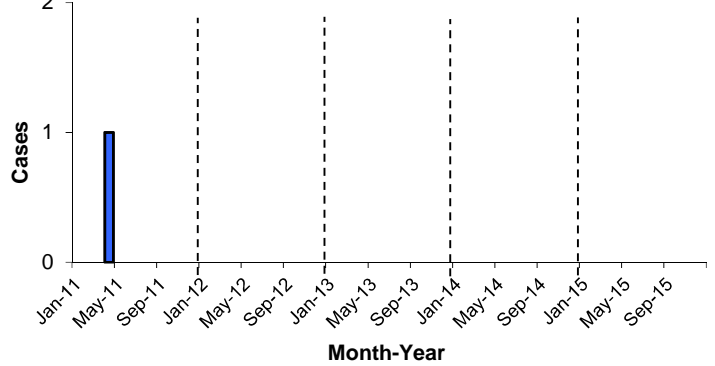
Aseptic Meningitis Cases per 100,000



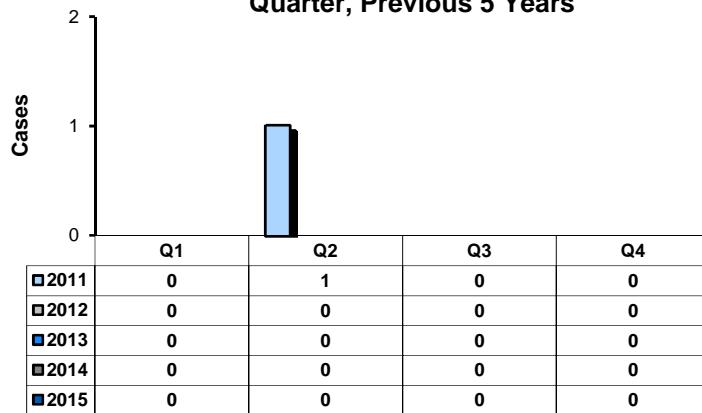
Meningococcal Cases in Ottawa County Previous 5 Years



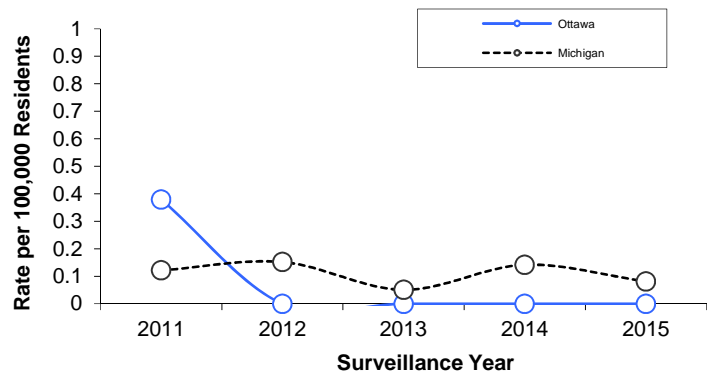
Meningococcal Cases in Ottawa County by Month Previous 5 Years



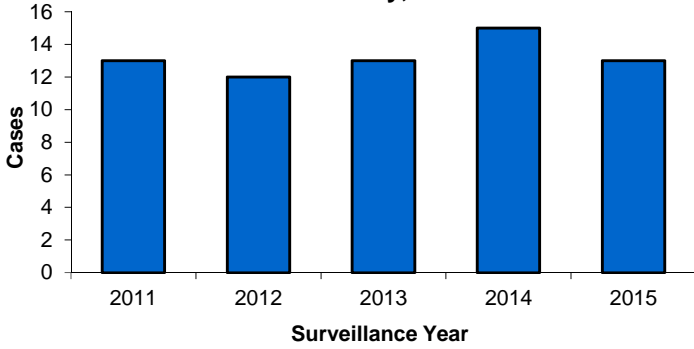
Meningococcal Cases in Ottawa County by Quarter, Previous 5 Years



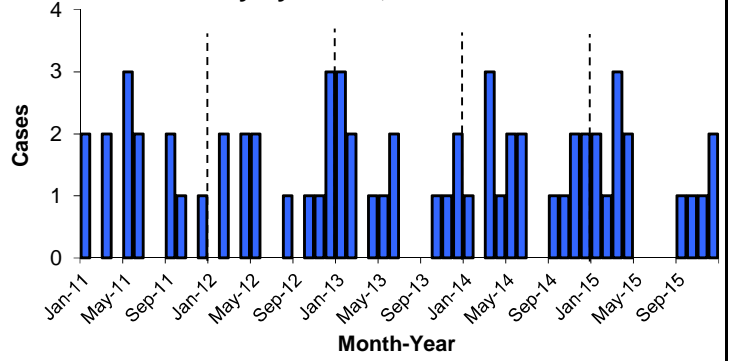
Meningococcal Cases per 100,000



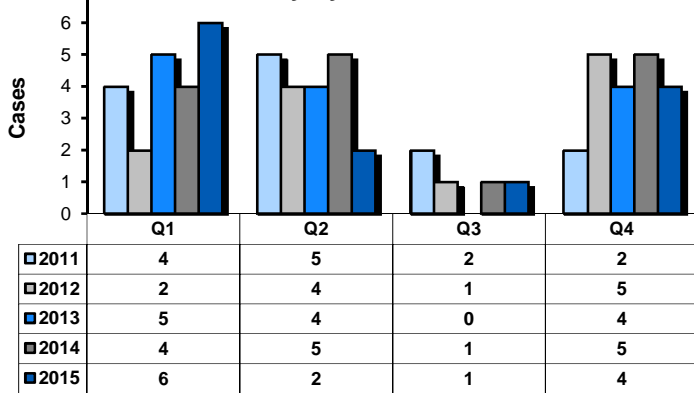
Invasive *Streptococcus pneumoniae* Cases in Ottawa County, Previous 5 Years



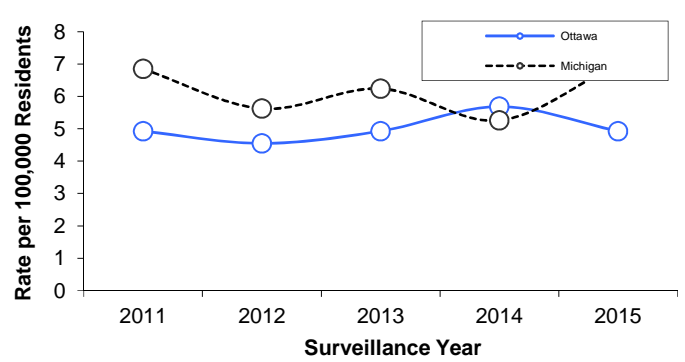
Invasive *Streptococcus pneumoniae* Cases in Ottawa County by Month, Previous 5 Years



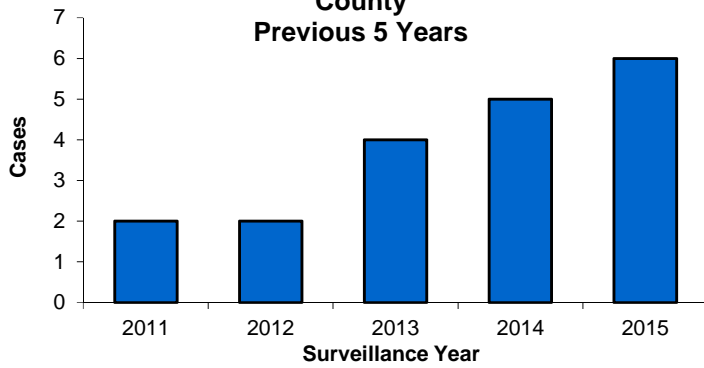
Invasive *Streptococcus pneumoniae* Cases in Ottawa County by Quarter, Previous 5 Years



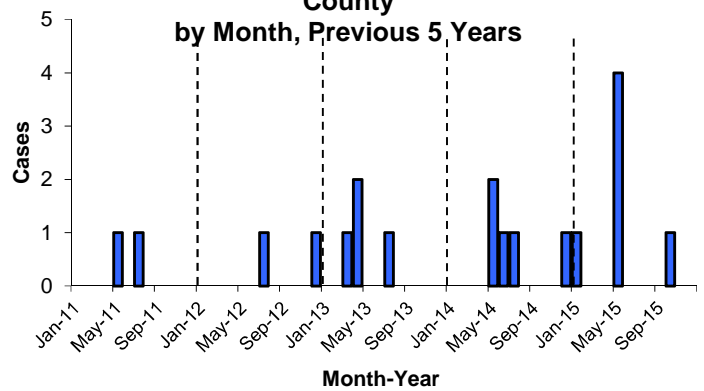
Invasive *Streptococcus pneumoniae* Cases per 100,000



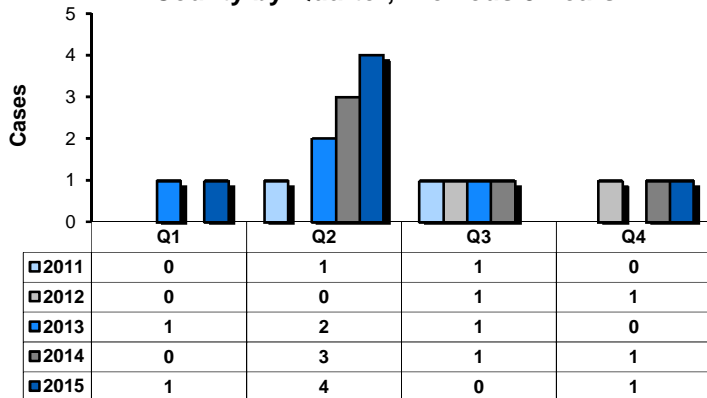
Meningitis Bacterial, Other Cases in Ottawa County Previous 5 Years



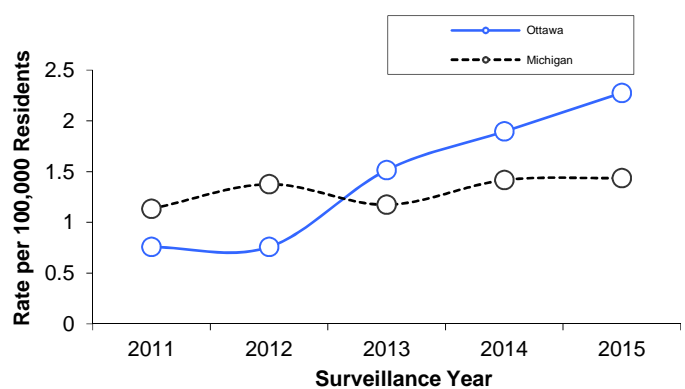
Meningitis Bacterial, Other Cases in Ottawa County by Month, Previous 5 Years



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

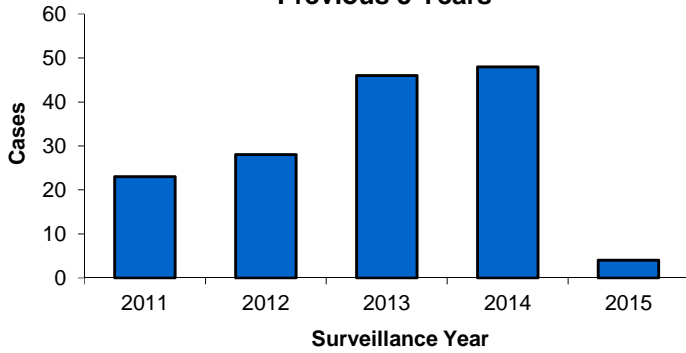


Meningitis Bacterial, Other Cases per 100,000

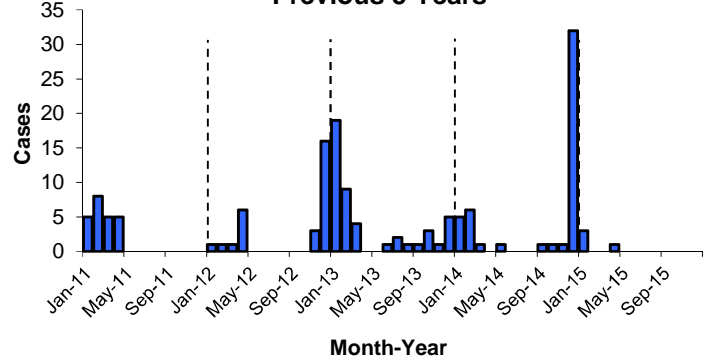


Influenza:

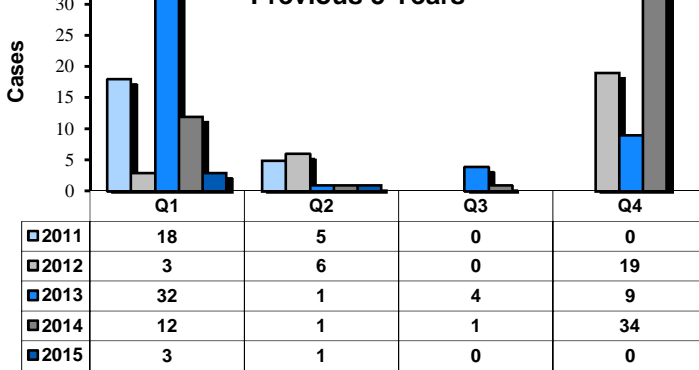
Influenza Cases* in Ottawa County Previous 5 Years



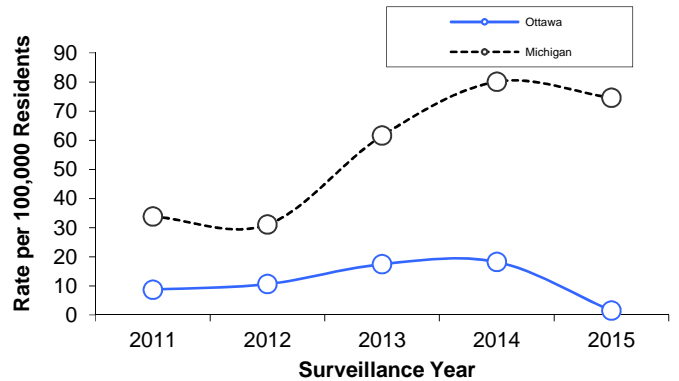
Influenza Cases* in Ottawa County by Month Previous 5 Years



Influenza Cases* in Ottawa County by Quarter Previous 5 Years

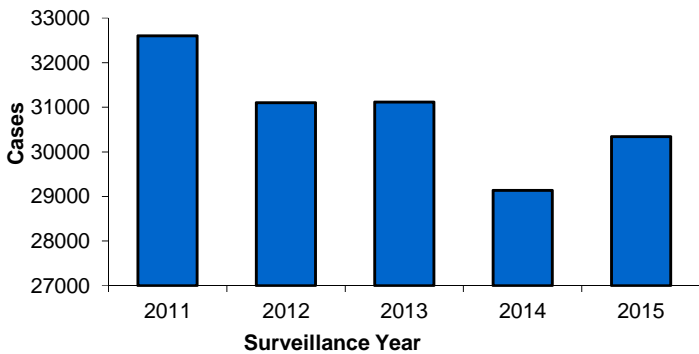


Influenza Cases* per 100,000

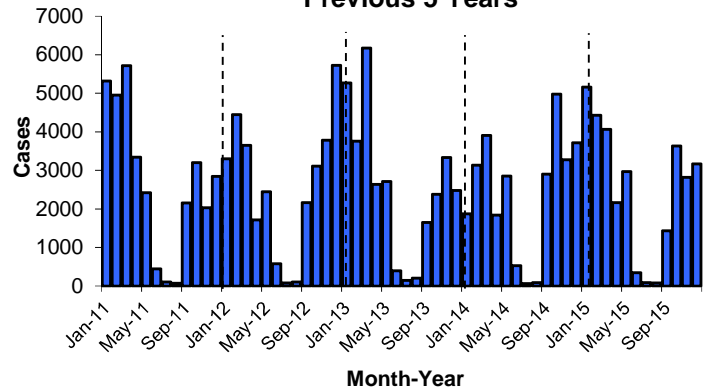


*Includes reported cases of seasonal influenza, novel influenza, and 2009 pandemic H1N1 influenza A

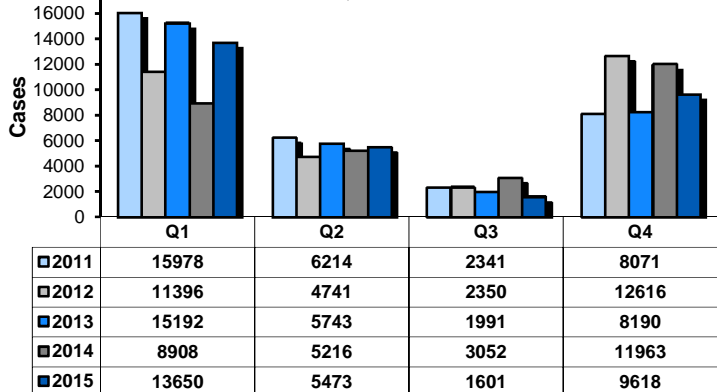
Flu-Like Disease Cases in Ottawa County Previous 5 Years



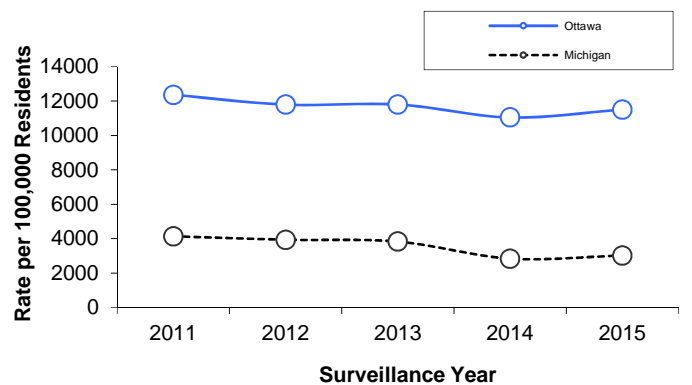
Flu-Like Disease Cases in Ottawa County by Month Previous 5 Years



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

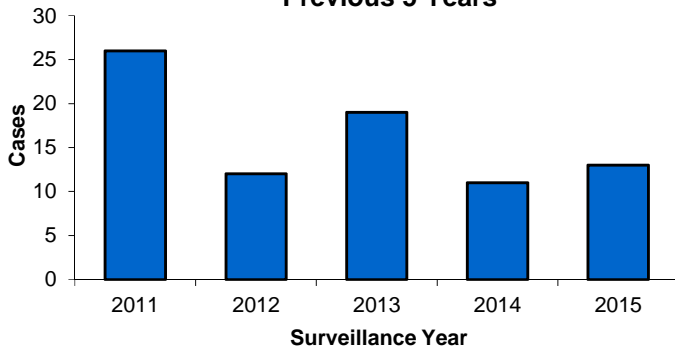


Flu-Like Disease Cases per 100,000

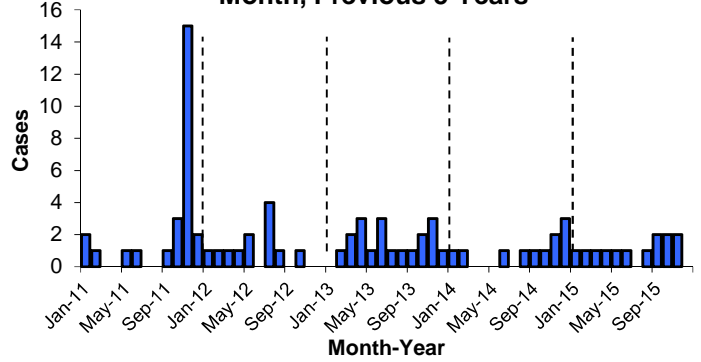


Other Illnesses:

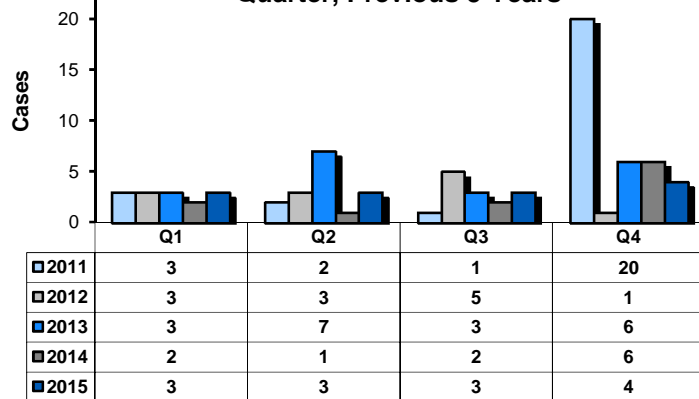
Histoplasmosis Cases in Ottawa County Previous 5 Years



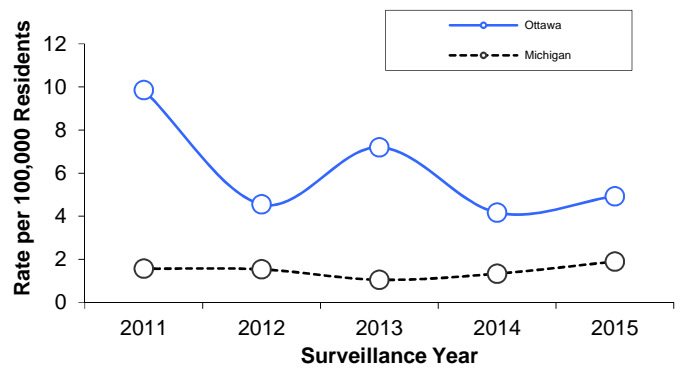
Histoplasmosis Cases in Ottawa County by Month, Previous 5 Years



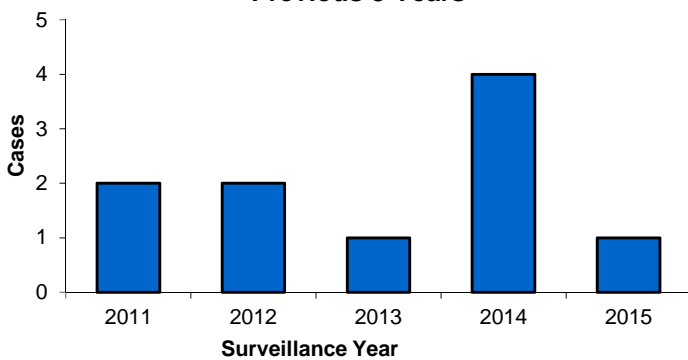
Histoplasmosis Cases in Ottawa County by Quarter, Previous 5 Years



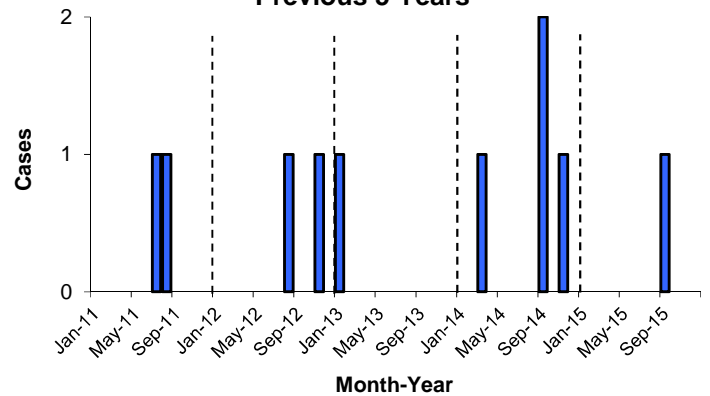
Histoplasmosis Cases per 100,000



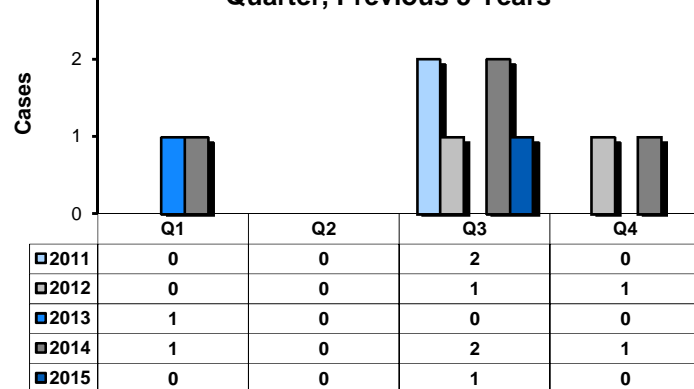
Legionellosis Cases in Ottawa County Previous 5 Years



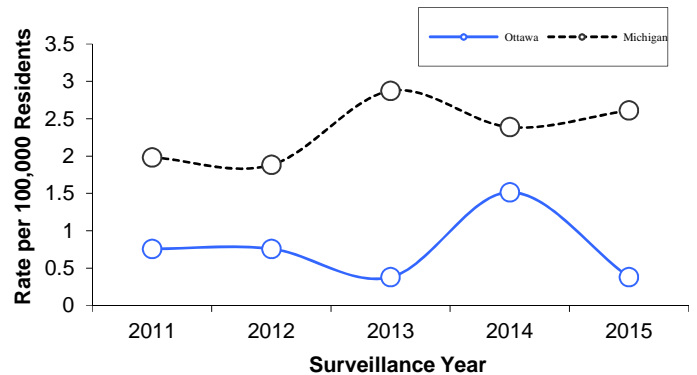
Legionellosis Cases in Ottawa County by Month Previous 5 Years



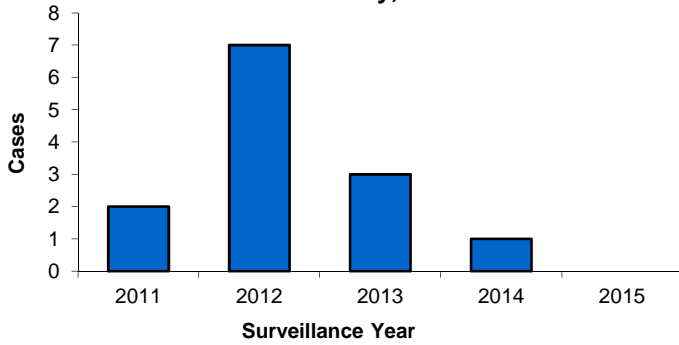
Legionellosis Cases in Ottawa County by Quarter, Previous 5 Years



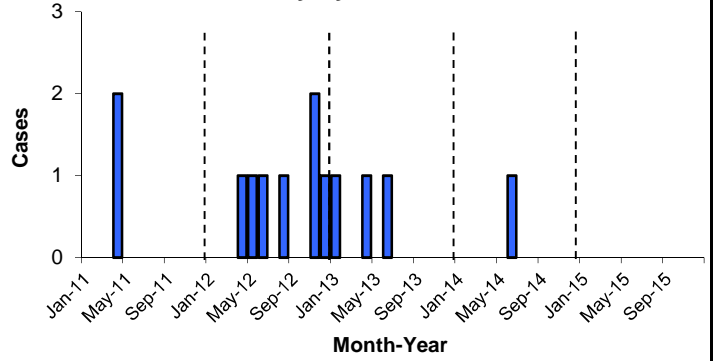
Legionellosis Cases per 100,000



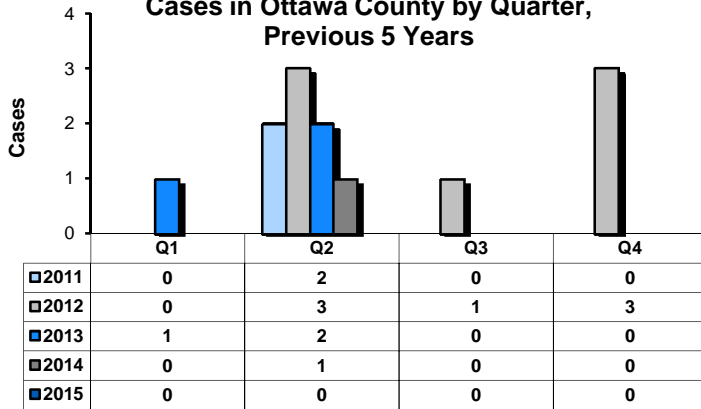
Drug Resistant *Streptococcus pneumoniae* Cases in Ottawa County, Previous 5 Years



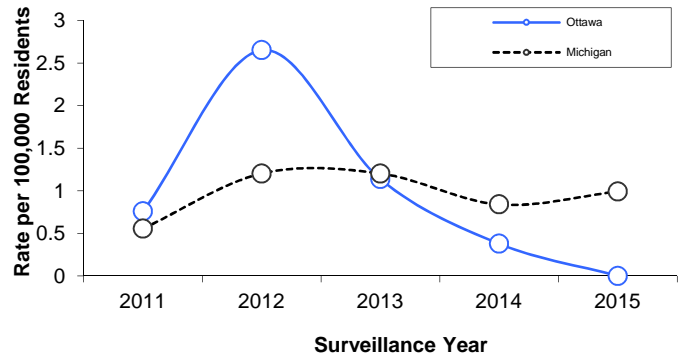
Drug Resistant *Streptococcus pneumoniae* Cases in Ottawa County by Month, Previous 5 Years



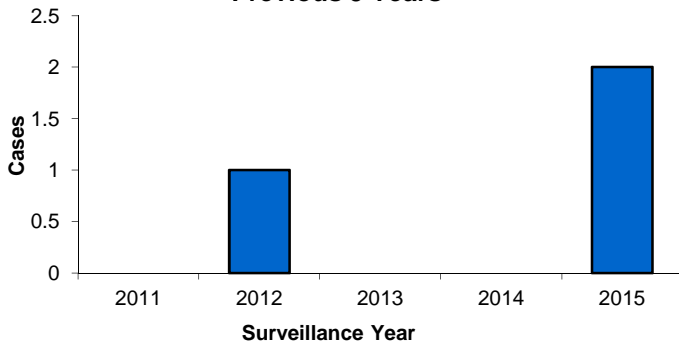
Drug Resistant *Streptococcus pneumoniae* Cases in Ottawa County by Quarter, Previous 5 Years



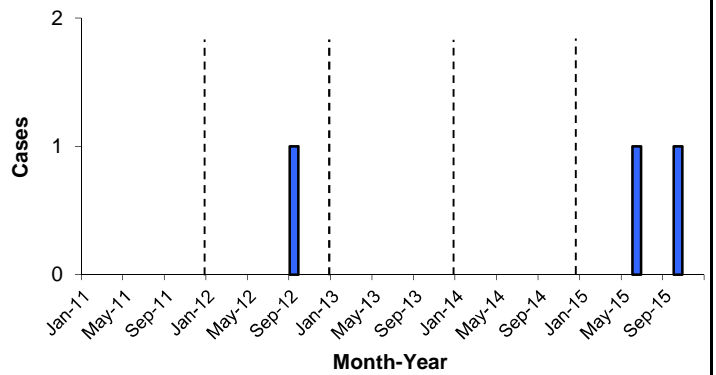
Drug Resistant *Streptococcus pneumoniae* Cases per 100,000



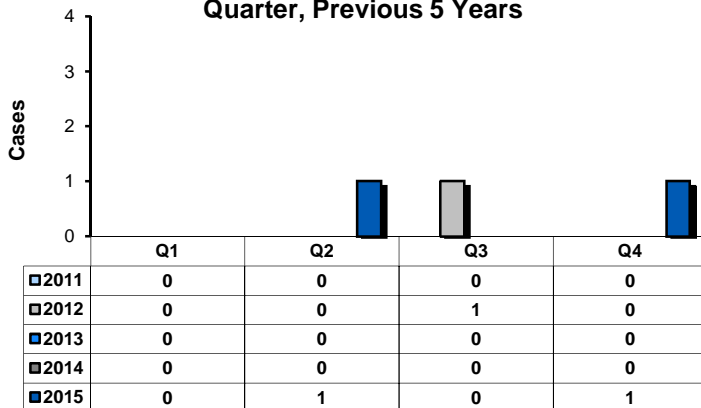
Animal Rabies Cases in Ottawa County, Previous 5 Years



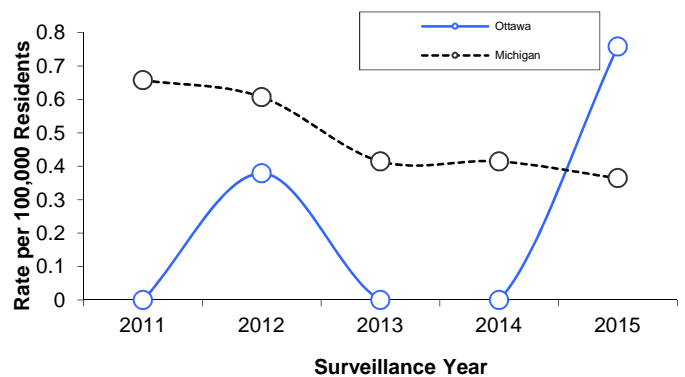
Animal Rabies Cases in Ottawa County by Month, Previous 5 Years



Animal Rabies Cases in Ottawa County by Quarter, Previous 5 Years

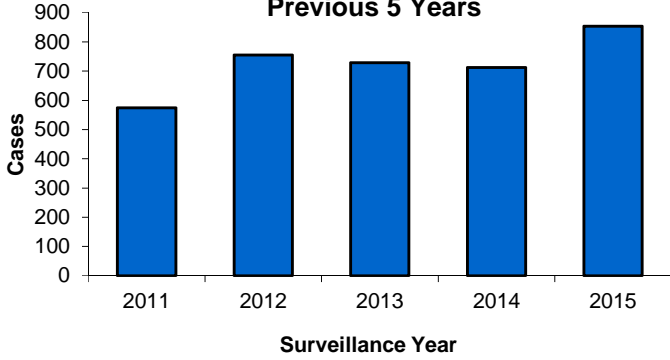


Animal Rabies Cases per 100,000

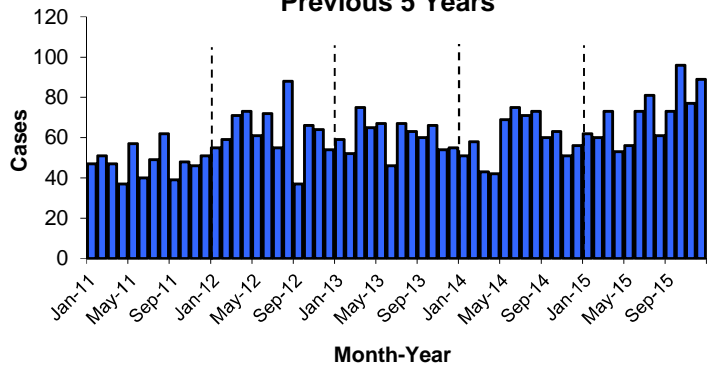


Sexually Transmitted Diseases:

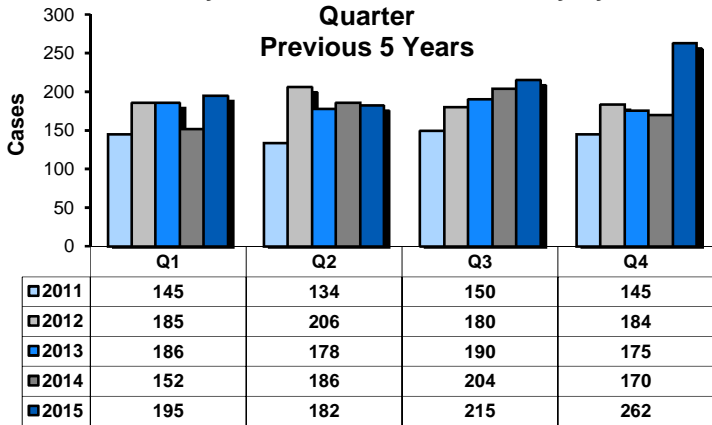
Chlamydia Cases in Ottawa County Previous 5 Years



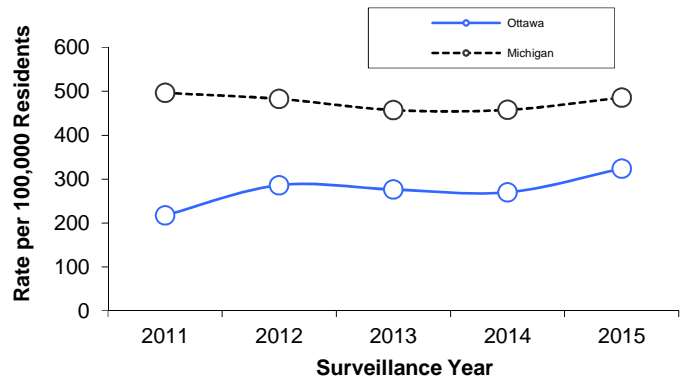
Chlamydia Cases in Ottawa County by Month Previous 5 Years



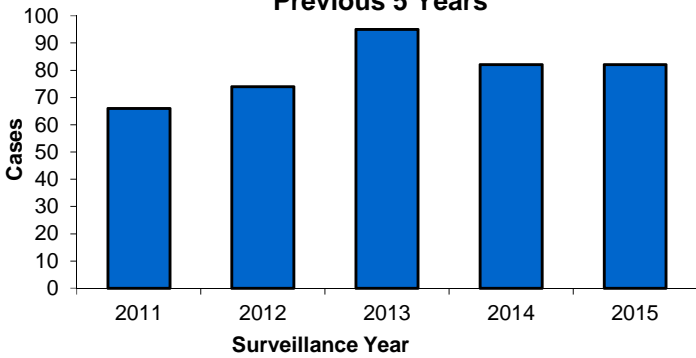
Chlamydia Cases in Ottawa County by Quarter Previous 5 Years



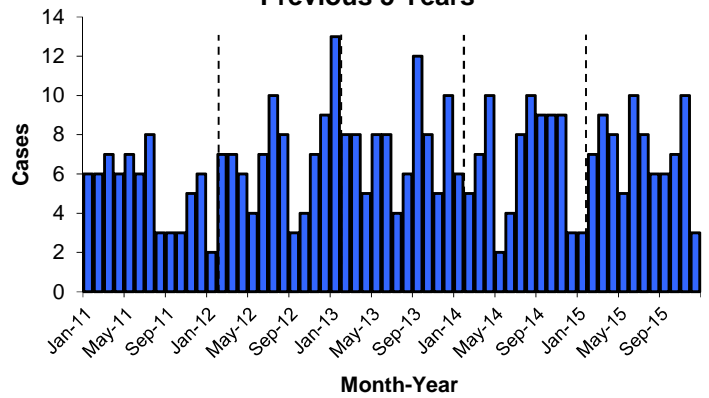
Chlamydia Cases per 100,000



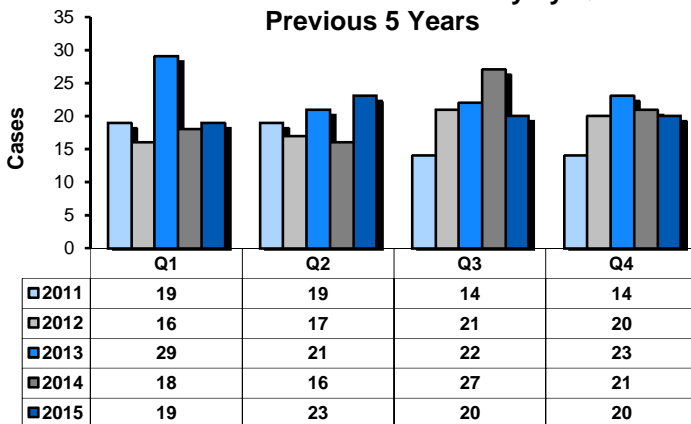
Gonorrhea Cases in Ottawa County Previous 5 Years



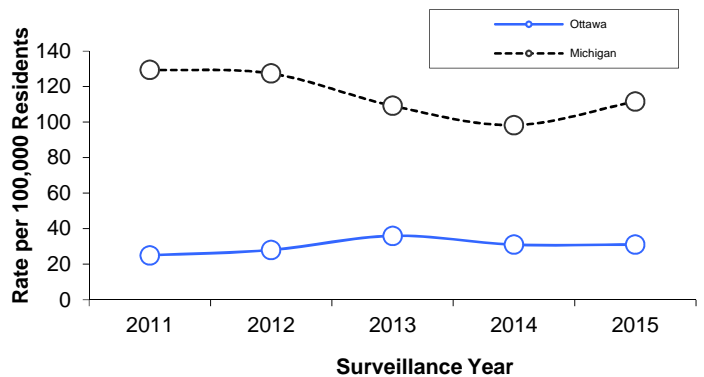
Gonorrhea Cases in Ottawa County by Month Previous 5 Years



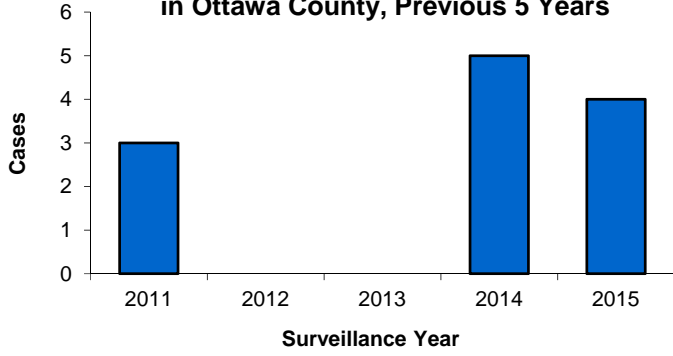
Gonorrhea Cases in Ottawa County by Quarter Previous 5 Years



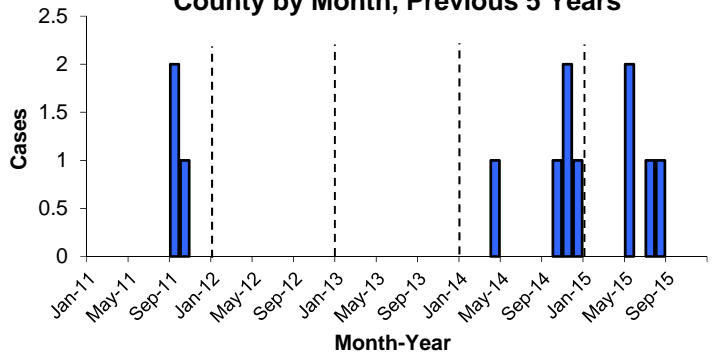
Gonorrhea Cases per 100,000



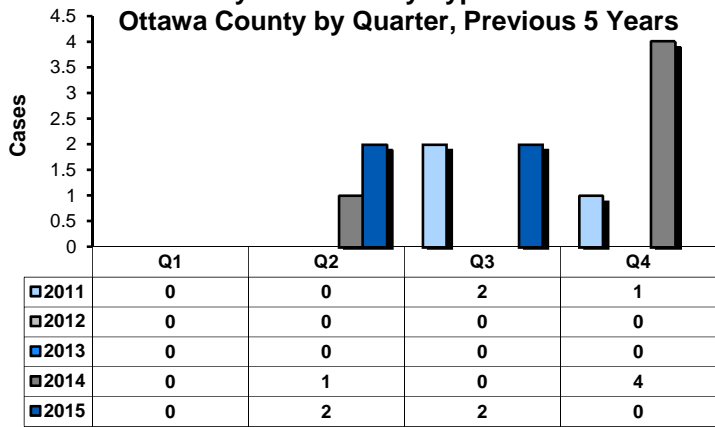
Primary & Secondary Syphilis Cases in Ottawa County, Previous 5 Years



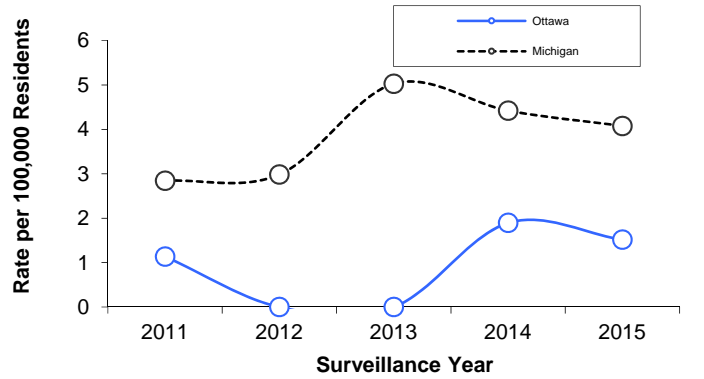
Primary & Secondary Syphilis Cases in Ottawa County by Month, Previous 5 Years



Primary & Secondary Syphilis Cases in Ottawa County by Quarter, Previous 5 Years

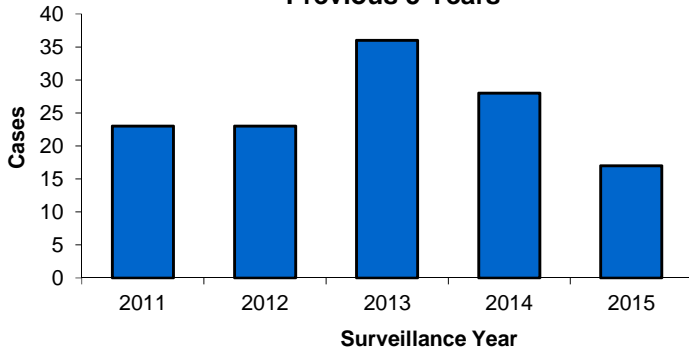


Primary & Secondary Syphilis Cases per 100,000

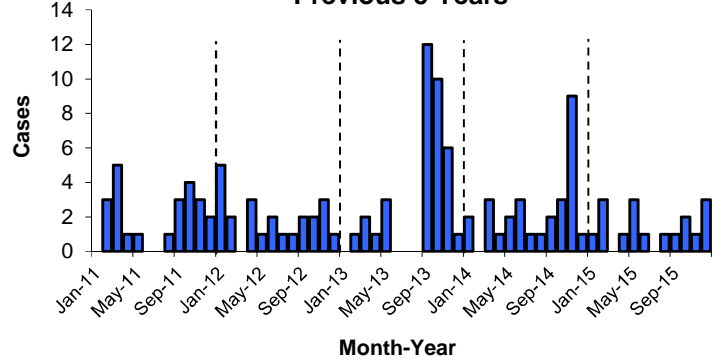


Vaccine Preventable Diseases:

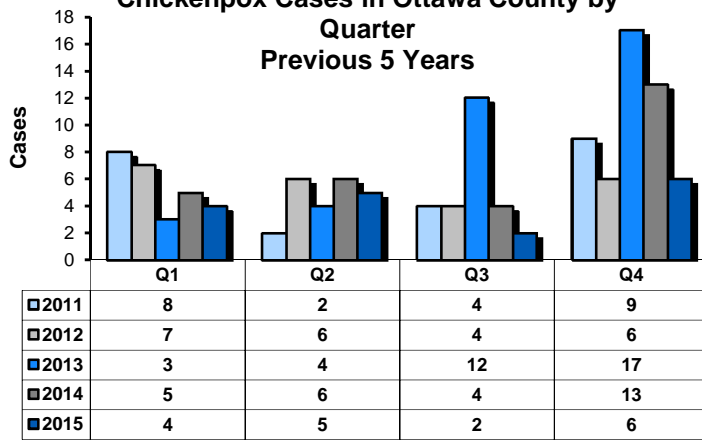
Chickenpox Cases in Ottawa County Previous 5 Years



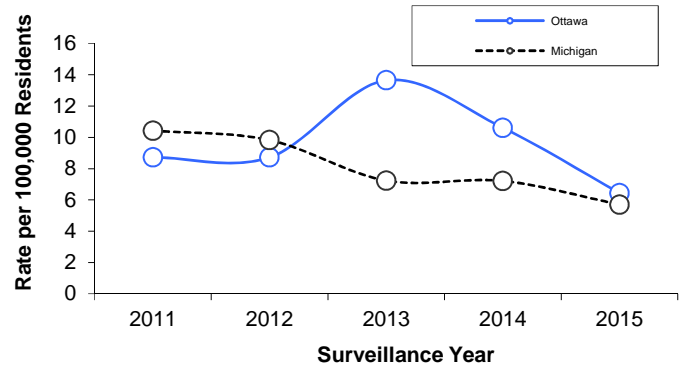
Chickenpox Cases in Ottawa County by Month Previous 5 Years



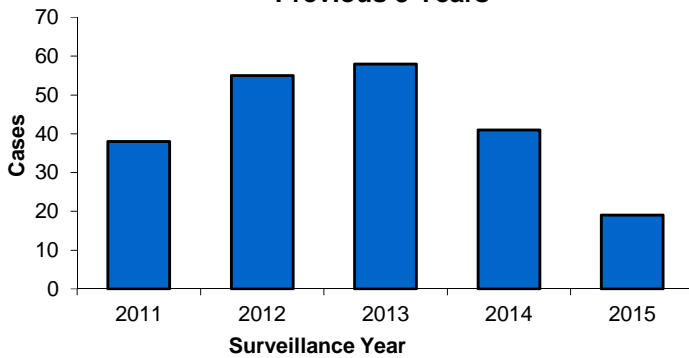
Chickenpox Cases in Ottawa County by Quarter Previous 5 Years



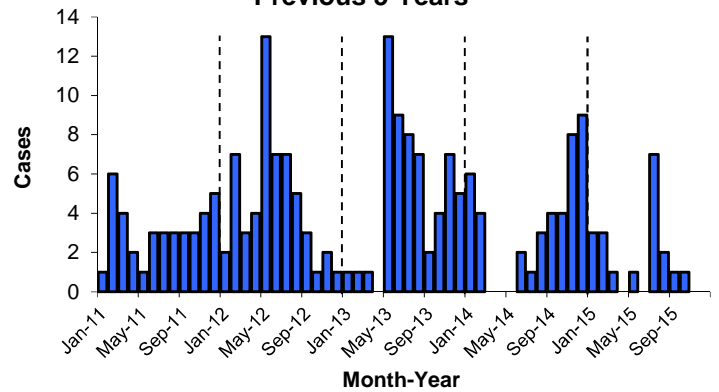
Chickenpox Cases per 100,000



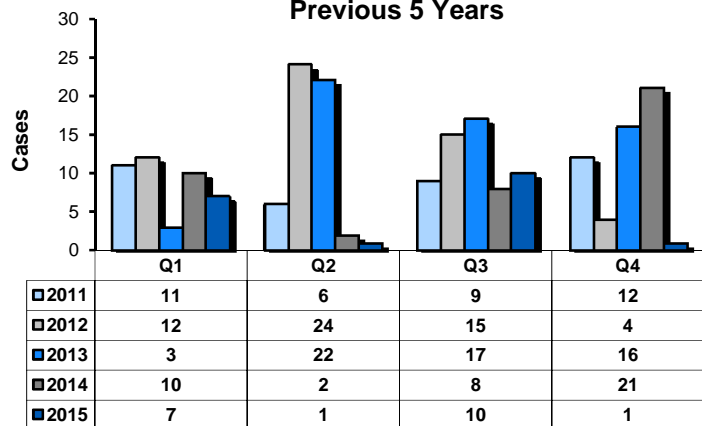
Pertussis Cases in Ottawa County Previous 5 Years



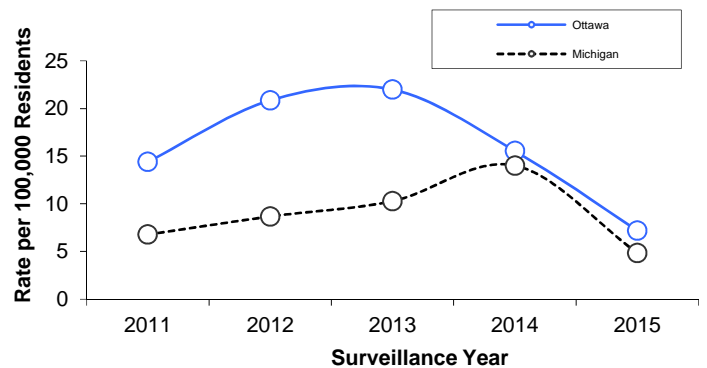
Pertussis Cases in Ottawa County by Month Previous 5 Years



Pertussis Cases in Ottawa County by Quarter Previous 5 Years

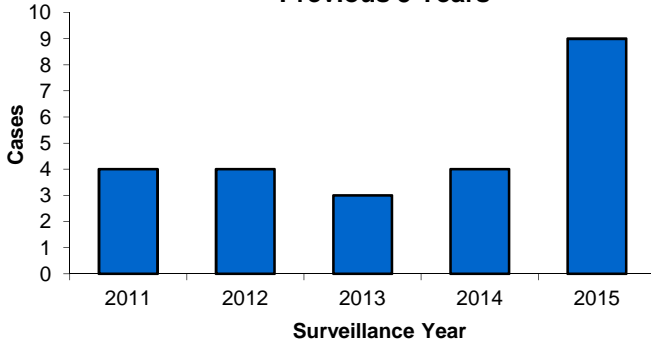


Pertussis Cases per 100,000

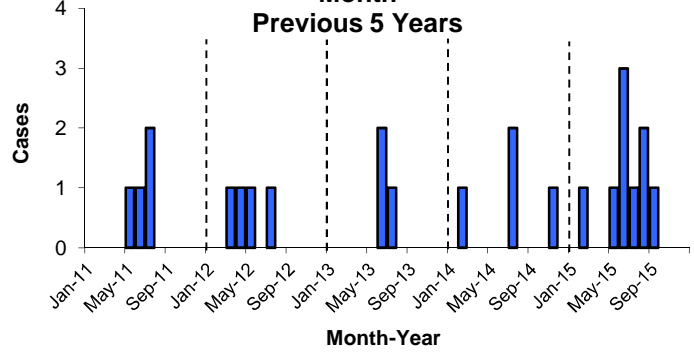


Vectorborne Diseases:

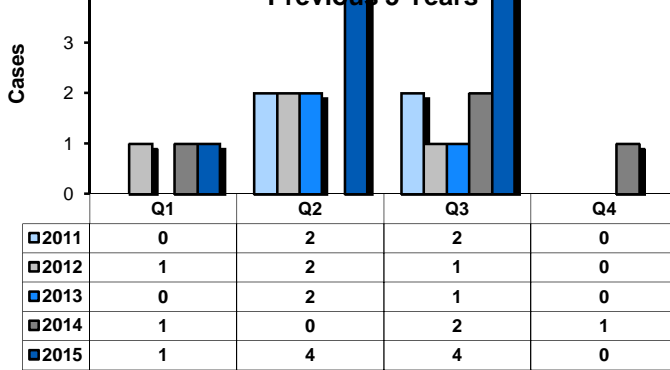
Lyme Disease Cases in Ottawa County Previous 5 Years



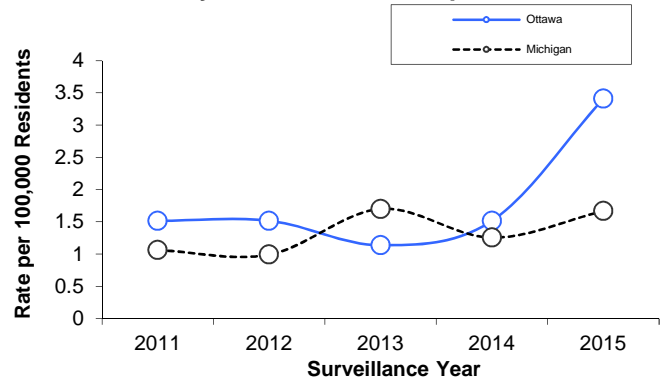
Lyme Disease Cases in Ottawa County by Month Previous 5 Years



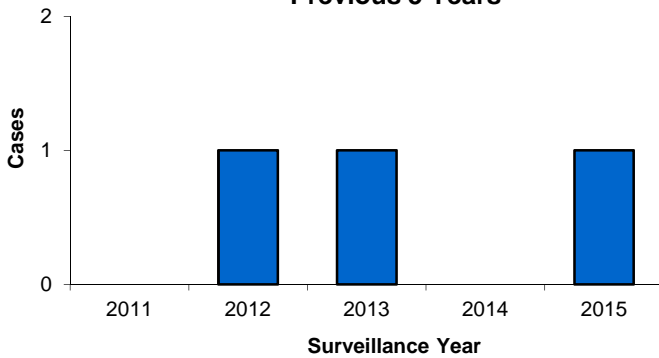
Lyme Disease Cases in Ottawa County by Quarter Previous 5 Years



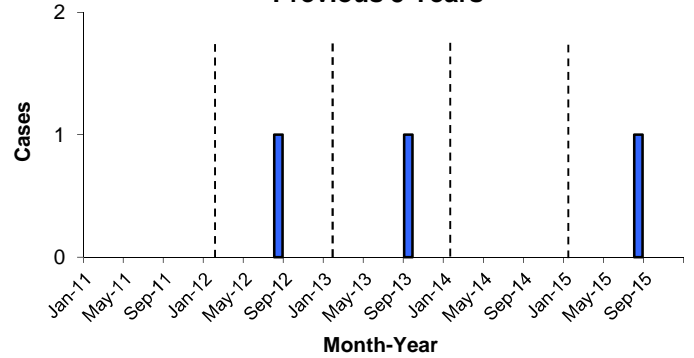
Lyme Disease Cases per 100,000



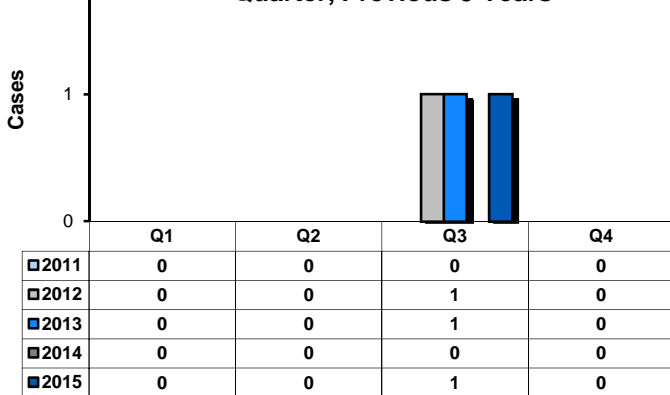
West Nile Virus Cases in Ottawa County Previous 5 Years



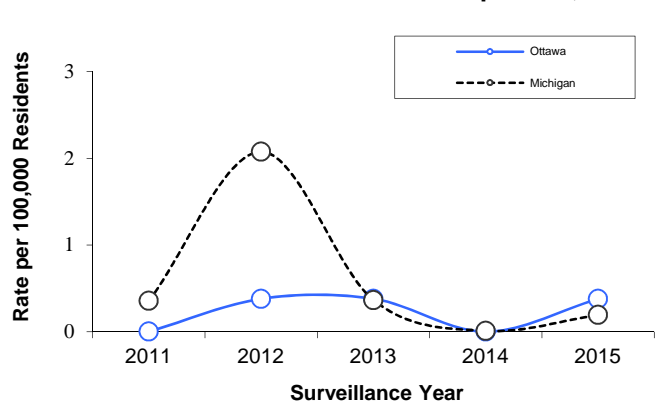
West Nile Virus Cases in Ottawa County by Month Previous 5 Years



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

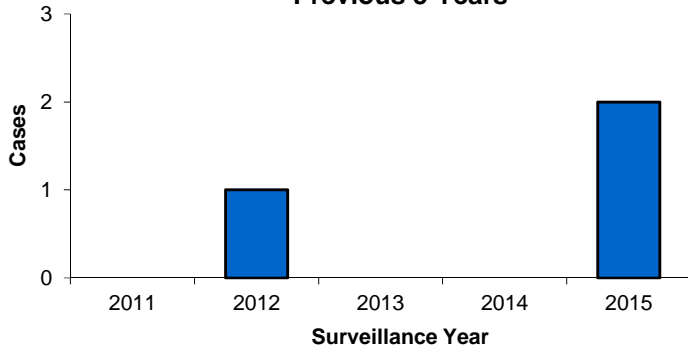


West Nile Virus Cases per 100,000

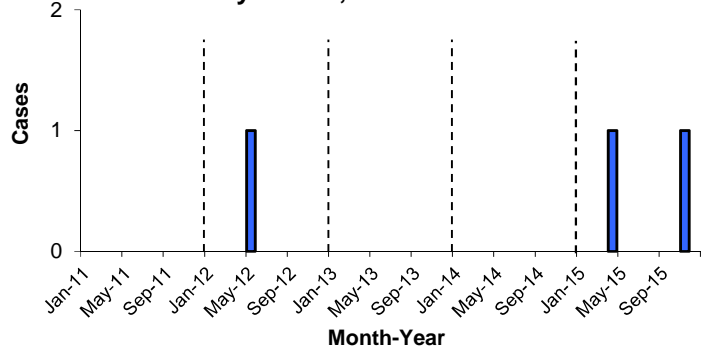


Viral Hepatitis:

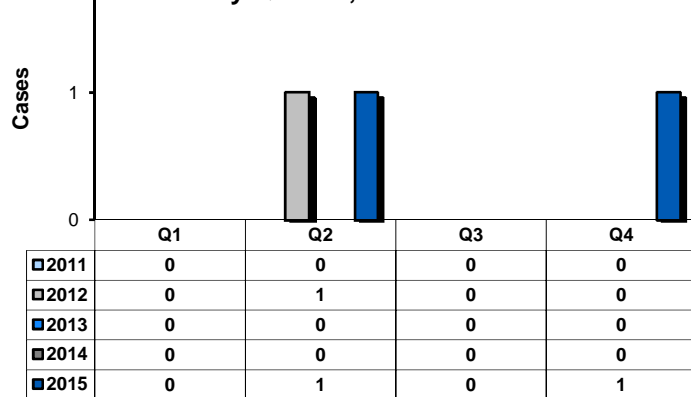
Hepatitis B Acute Cases in Ottawa County Previous 5 Years



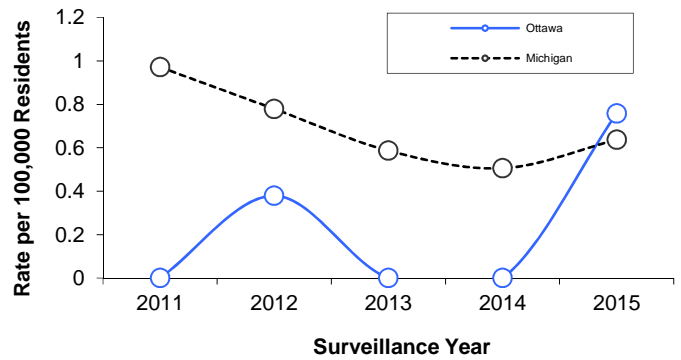
Acute Hepatitis B Cases in Ottawa County by Month, Previous 5 Years



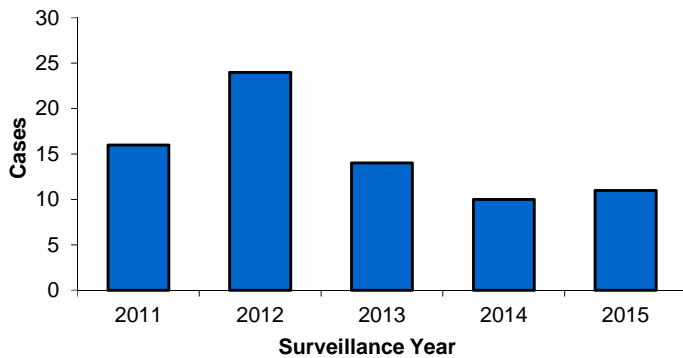
Acute Hepatitis B Cases in Ottawa County by Quarter, Previous 5 Years



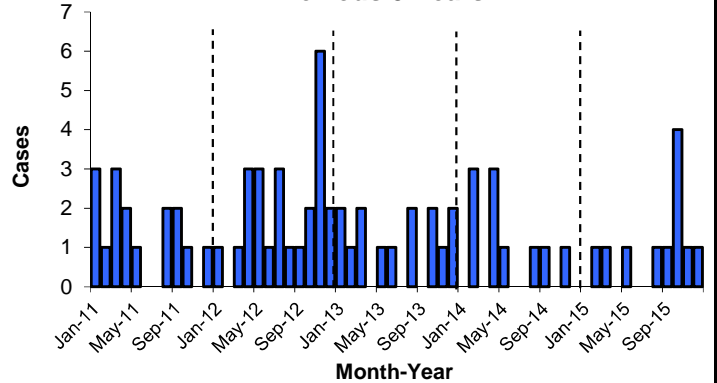
Acute Hepatitis B Cases per 100,000



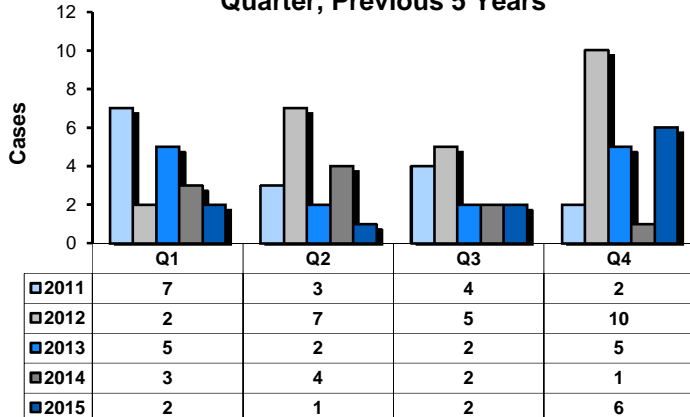
Chronic Hepatitis B Cases in Ottawa County Previous 5 Years



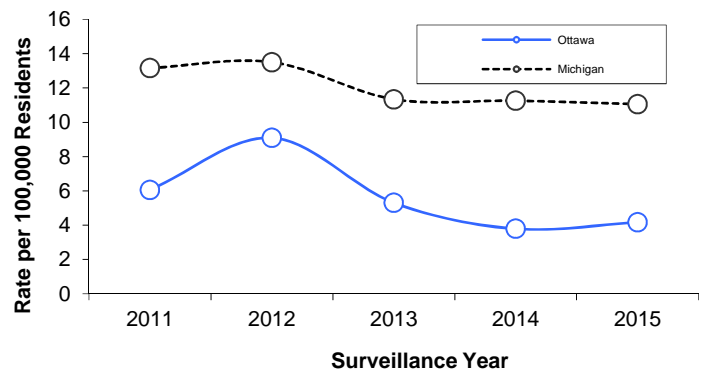
Chronic Hepatitis B Cases in Ottawa County by Month Previous 5 Years



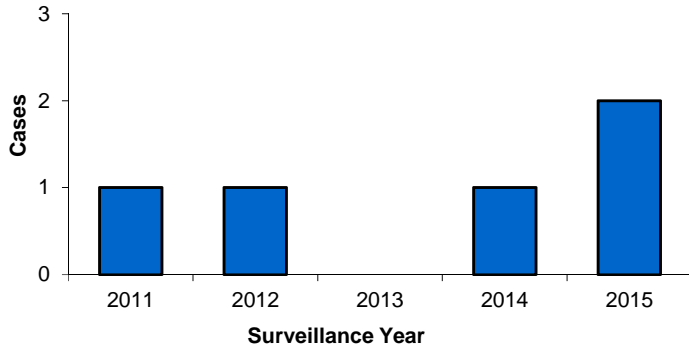
Chronic Hepatitis B Cases in Ottawa County by Quarter, Previous 5 Years



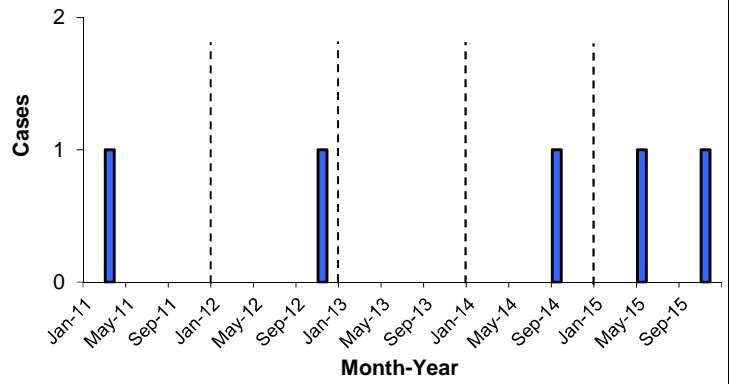
Chronic Hepatitis B Cases per 100,000



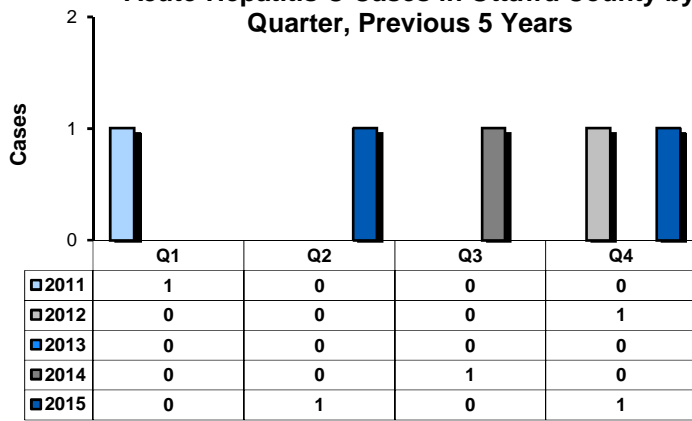
Acute Hepatitis C Cases in Ottawa County Previous 5 Years



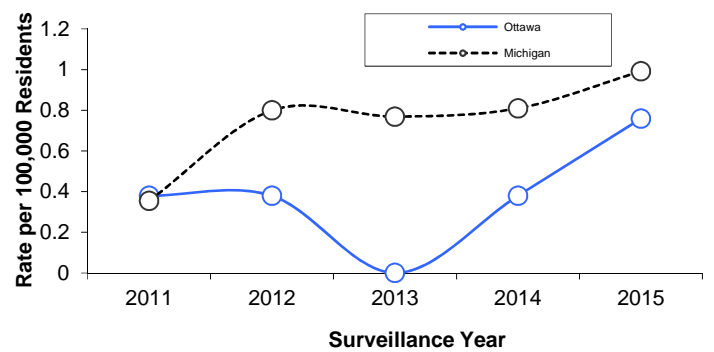
Acute Hepatitis C Cases in Ottawa County by Month Previous 5 Years



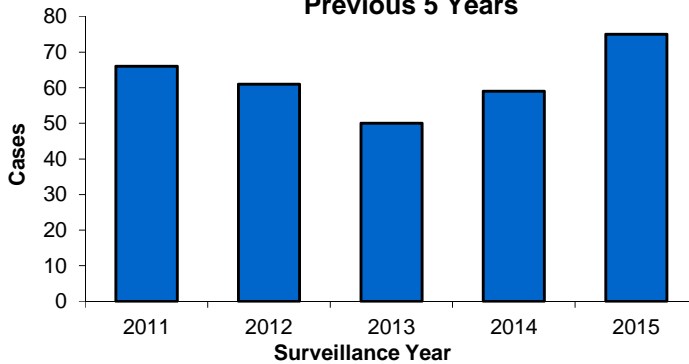
Acute Hepatitis C Cases in Ottawa County by Quarter, Previous 5 Years



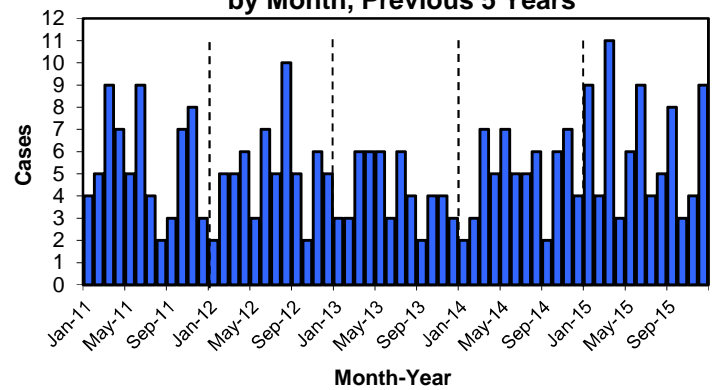
Acute Hepatitis C Cases per 100,000



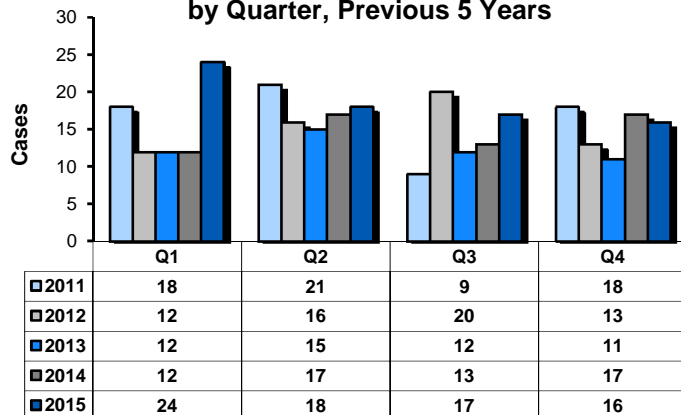
Chronic Hepatitis C Cases in Ottawa County Previous 5 Years



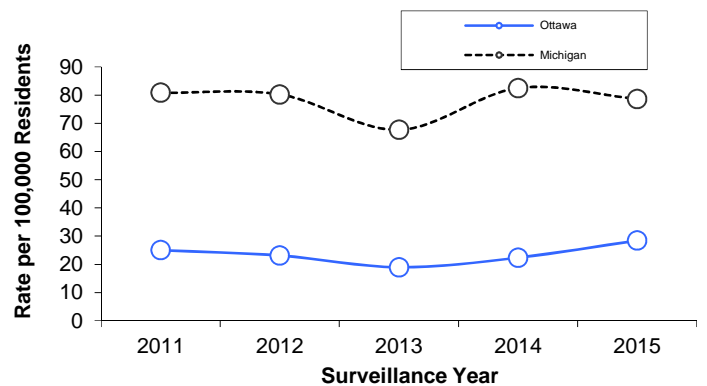
Chronic Hepatitis C Cases in Ottawa County by Month, Previous 5 Years



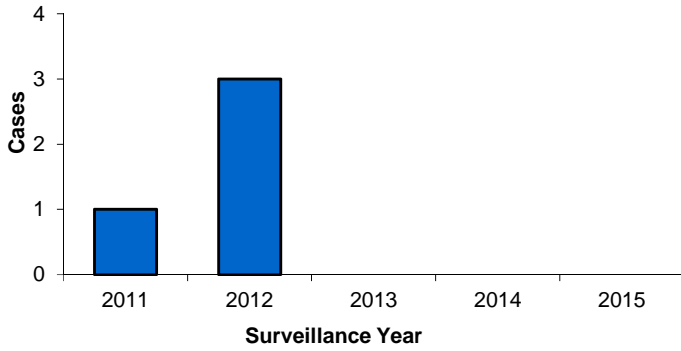
Chronic Hepatitis C Cases in Ottawa County by Quarter, Previous 5 Years



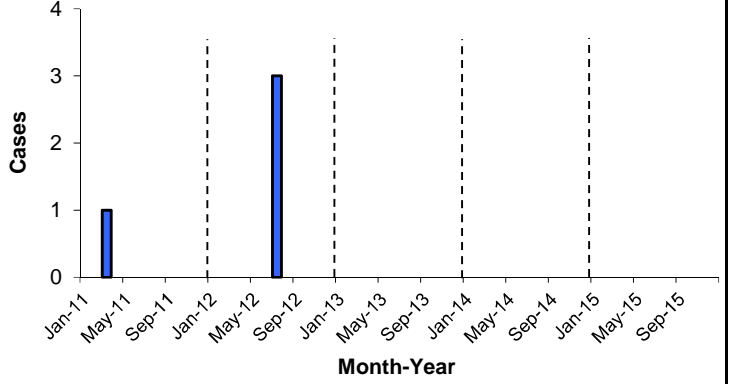
Chronic Hepatitis C Cases per 100,000



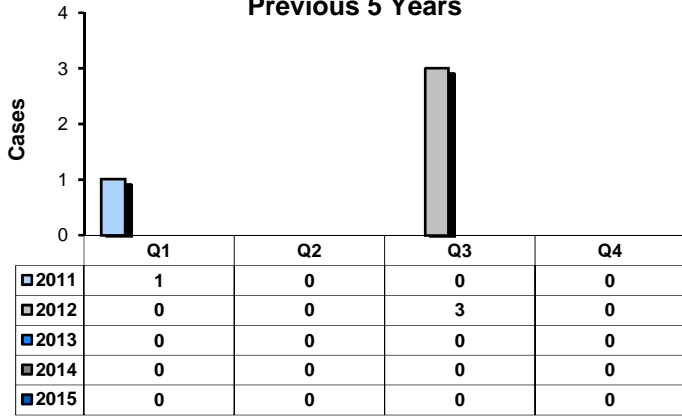
Hepatitis A Cases in Ottawa County Previous 5 Years



Hepatitis A Cases in Ottawa County by Month Previous 5 Years



Hepatitis A Cases in Ottawa County by Quarter Previous 5 Years



Hepatitis A Cases per 100,000

