



*mi*Ottawa Department of  
**Public Health**

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# Monthly Reportable Diseases Summary

## Ottawa County

### 2017

The data in the Monthly Disease Reports are provisional, based on current reports in the Michigan Disease Surveillance System (MDSS) made by local health departments. The MDSS is a dynamic, continually active system; counts of disease are constantly changing as cases are investigated, confirmed as cases, or ruled out as not meeting the case definition. Each Monthly Disease Report reflects this constant activity as the numbers may slightly fluctuate each month. Therefore, it should be kept in mind that numbers in the Monthly Disease Reports are NOT final and should be used only to generally monitor trends over time. Unknown, suspected, probable and laboratory confirmed cases of the reportable condition are included in the report.

An updated report is published each month. Specific data requests and questions should be directed to:

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(616) 494-5598

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Reportable conditions that are <i>italicized</i> have an accompanying graph at the end of the monthly section.										
Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Year Total Through January				Year End
		Oct-16	Nov-16	Dec-16	Jan-17	2014	2015	2016	2017	2016
<b>Other</b>	Toxic Shock	-	-	-	-	-	-	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	-	-	-	-	-
	VISA	-	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
	<b>Other Subtotal</b>	2	3	3	1	5	1	5	1	32
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	70	65	66	74	51	62	63	74	849
	Gonorrhea	13	11	13	9	6	3	8	9	110
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Primary & Secondary Syphilis	-	-	-	-	-	-	-	-	5
	All Syphilis	2	1	1	-	-	1	-	-	13
	<b>STD Subtotal</b>	85	77	80	83	57	66	71	83	972
<b>Tuberculosis</b>	Latent Tuberculosis Infection ^	-	-	-	-	-	-	-	-	-
	Nontuberculous Mycobacterium ^	-	-	-	-	-	-	1	-	1
	Tuberculosis	-	-	-	1	-	-	-	1	-
	<b>Tuberculosis Subtotal</b>	-	-	-	1	-	-	1	1	1
<b>VPD</b>	Chickenpox (Varicella)	1	1	4	4	2	1	2	4	26
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv. †	-	-	-	2	-	1	1	2	3
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	1
	<i>Pertussis</i>	-	-	1	-	6	3	2	-	6
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	6	1	-	-	-	-	1	-	15
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	1	-	1	-	1	-	1	5
	<b>VPD Subtotal</b>	7	3	5	7	8	6	6	7	56
<b>Vectorborne</b>	Babesiosis	-	-	-	-	-	-	-	-	-
	Chikungunya †	-	-	-	-	-	-	-	-	-
	Dengue Fever	-	-	-	-	-	-	-	-	-
	Ehrlichiosis	-	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	1	1	-	-	-	-	-	-	11
	Malaria	-	-	-	-	-	-	-	-	4
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	1
	West Nile Virus	-	-	-	-	-	-	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-	-
	Zika ††	-	-	-	-	-	-	-	-	10
	<b>Vectorborne Subtotal</b>	1	1	-	-	-	-	-	-	26
<b>Viral Hepatitis</b>	Hepatitis A	-	-	-	1	-	-	-	1	-
	Hepatitis B, Acute	-	-	-	-	-	-	-	-	2
	Hepatitis B, Chronic	2	2	3	2	-	-	1	2	21
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute ~	-	-	-	-	-	-	-	-	2
	Hepatitis C, Chronic ~	7	8	15	6	2	9	6	6	113
	Hepatitis C, Perinatal ^	-	-	-	-	-	-	-	-	-
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	<b>Viral Hepatitis Subtotal</b>	9	10	18	9	2	9	7	9	138
	<b>Total</b>	3,371	2,873	2,794	4,164	1,956	5,328	4,579	4,164	33,096

\* 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.

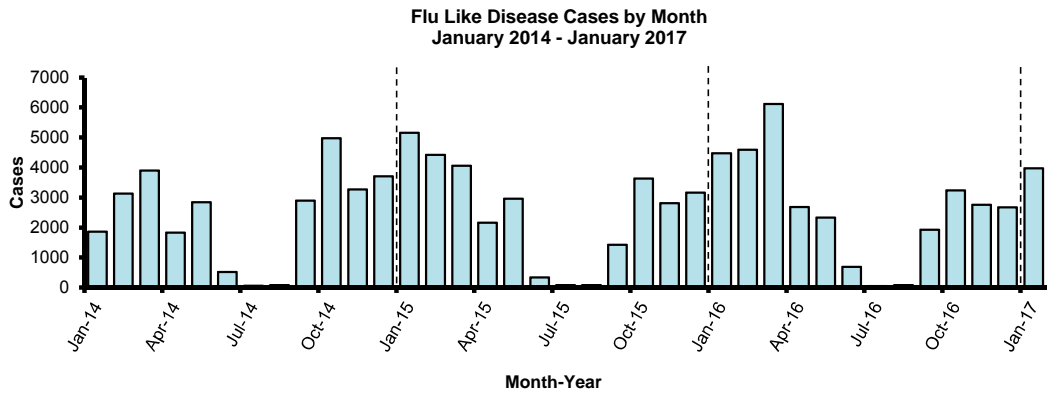
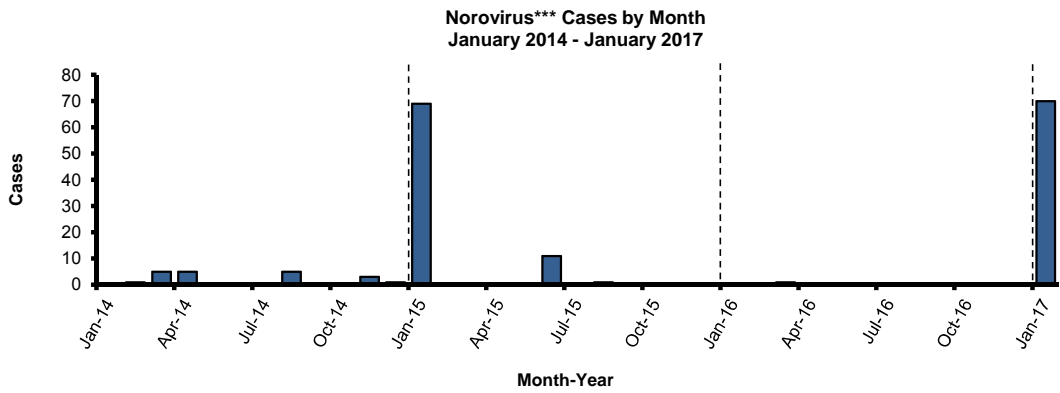
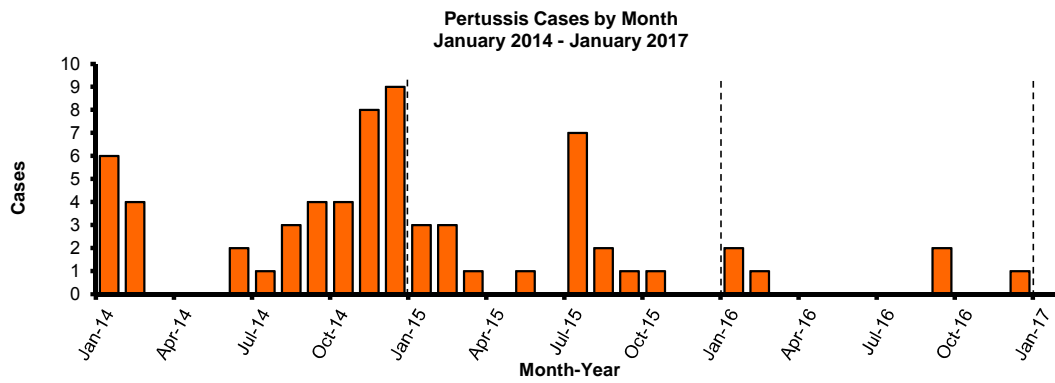
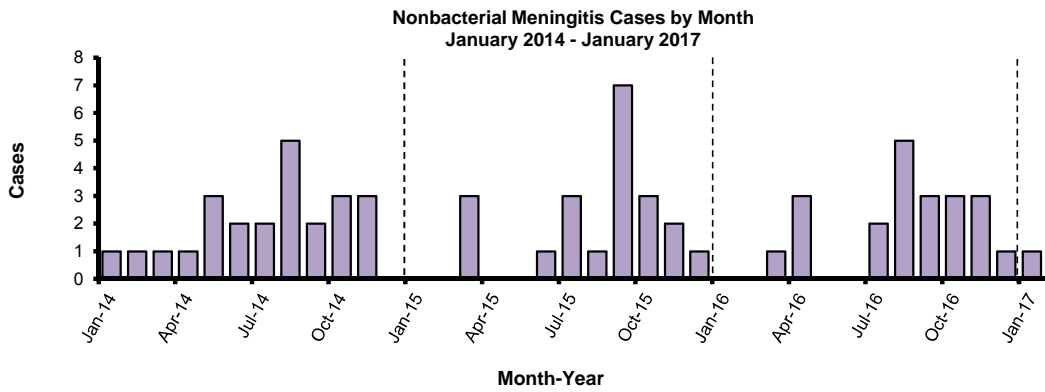
† All serotypes of invasive H. influenzae (Hi) disease are included, though only H. influenzae serotype b disease (Hib) is vaccine-preventable.

~ Indicates a change in the case definition for 2016, which may increase the number of confirmed and probable cases.

\* Indicates disease added in 2015.

\*\* Indicates disease added in 2016.

^ Indicates disease added in late 2017.





Reportable conditions that are <i>italicized</i> have an accompanying graph at the end of the monthly section.										
Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Year Total Through February				Year End
		Nov-16	Dec-16	Jan-17	Feb-17	2014	2015	2016	2017	2016
<b>Other</b>	Toxic Shock	-	-	-	-	-	-	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	1	-	-	-	-
	VISA	-	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
	<b>Other Subtotal</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>8</b>	<b>3</b>	<b>8</b>	<b>3</b>	<b>32</b>
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	65	66	74	76	109	122	134	150	849
	Gonorrhea	11	13	9	9	11	10	12	18	110
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Primary & Secondary Syphilis	-	-	-	-	-	-	-	-	5
	All Syphilis	1	1	-	-	-	1	1	-	13
	<b>STD Subtotal</b>	<b>77</b>	<b>80</b>	<b>83</b>	<b>85</b>	<b>120</b>	<b>133</b>	<b>147</b>	<b>168</b>	<b>972</b>
<b>Tuberculosis</b>	Latent Tuberculosis Infection ^	-	-	-	-	-	-	-	-	-
	Nontuberculous Mycobacterium ^	-	-	-	-	-	-	1	-	1
	Tuberculosis	-	-	1	-	-	1	-	1	-
	<b>Tuberculosis Subtotal</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>VPD</b>	<i>Chickenpox (Varicella)</i>	1	4	4	-	2	4	4	4	26
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv. †	-	-	2	-	-	1	1	2	3
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	1
	Pertussis	-	1	-	1	10	6	3	1	6
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	1	-	-	1	2	-	2	1	15
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	1	-	1	-	-	1	1	1	5
	<b>VPD Subtotal</b>	<b>3</b>	<b>5</b>	<b>7</b>	<b>2</b>	<b>14</b>	<b>12</b>	<b>11</b>	<b>9</b>	<b>56</b>
<b>Vectorborne</b>	Babesiosis	-	-	-	-	-	-	-	-	-
	Chikungunya *	-	-	-	-	-	-	-	-	-
	Dengue Fever	-	-	-	-	-	-	-	-	-
	Ehrlichiosis	-	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	1	-	-	1	1	1	-	1	11
	Malaria	-	-	-	-	-	-	-	-	4
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	1
	West Nile Virus	-	-	-	-	-	-	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-	-
	Zika **	-	-	-	1	-	-	-	1	10
	<b>Vectorborne Subtotal</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>2</b>	<b>26</b>
<b>Viral Hepatitis</b>	Hepatitis A	-	-	1	-	-	-	-	1	-
	Hepatitis B, Acute	-	-	-	-	-	-	-	-	2
	Hepatitis B, Chronic	-	-	-	-	-	-	-	-	2
	Hepatitis B, Perinatal	2	3	2	3	3	1	2	5	21
	Hepatitis C, Acute ~	-	-	-	-	-	-	-	-	2
	Hepatitis C, Chronic ~	8	15	6	14	5	13	18	20	113
	Hepatitis C, Perinatal ^	-	-	-	-	-	-	-	-	-
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	<b>Viral Hepatitis Subtotal</b>	<b>10</b>	<b>18</b>	<b>9</b>	<b>17</b>	<b>8</b>	<b>14</b>	<b>20</b>	<b>26</b>	<b>138</b>
<b>Total</b>		<b>2,873</b>	<b>2,794</b>	<b>4,164</b>	<b>5,884</b>	<b>5,184</b>	<b>9,842</b>	<b>9,290</b>	<b>10,048</b>	<b>33,096</b>

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\*\* 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.

† All serotypes of invasive H. influenzae (Hi) disease are included, though only H. influenzae serotype b disease (Hib) is vaccine-preventable.

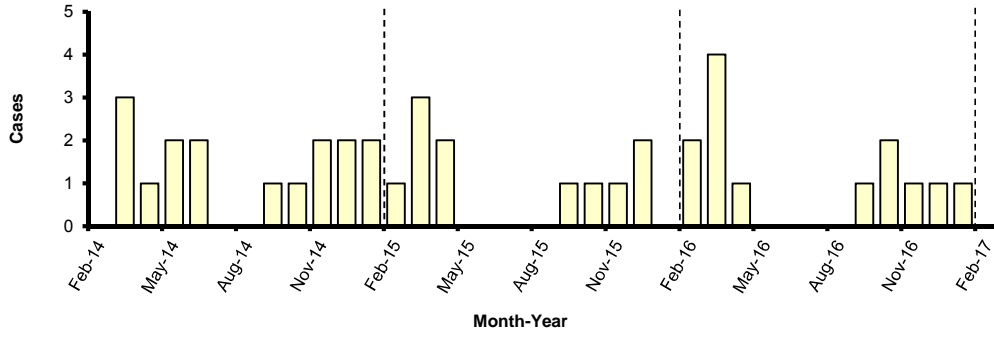
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+ Indicates disease added in 2015.

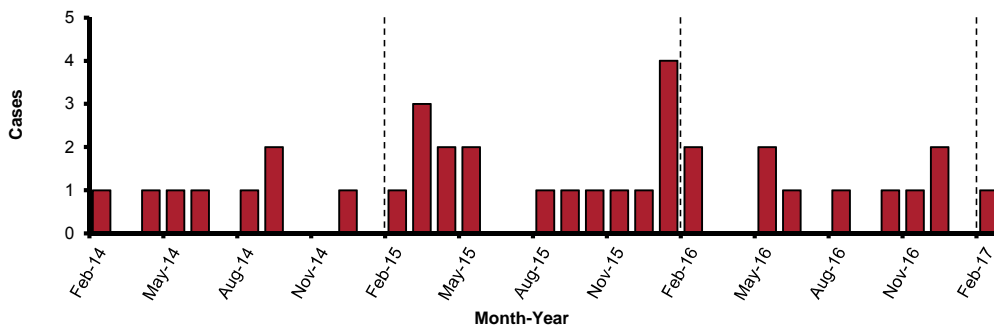
++ Indicates disease added in 2016.

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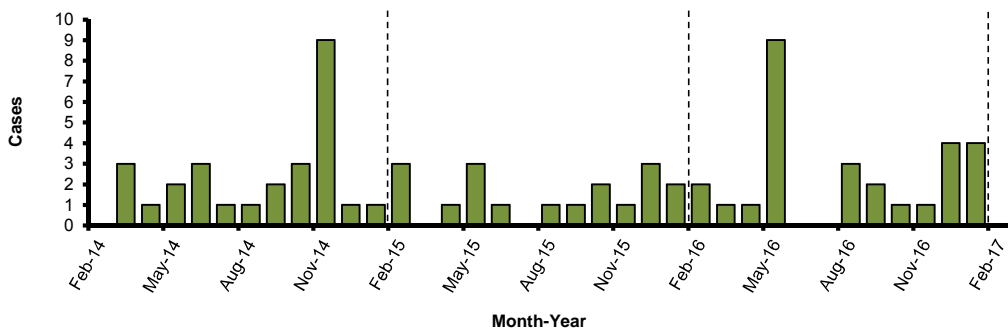
**Invasive *Streptococcus pneumoniae* Cases by Month  
February 2014 - February 2017**



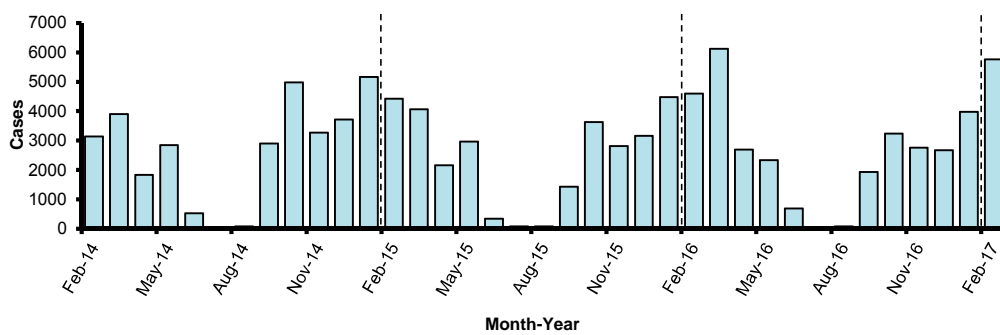
**Invasive Group A Streptococcal Disease Cases by Month  
February 2014 - February 2017**



**Chickenpox Cases by Month  
February 2014 - February 2017**



**Flu Like Disease Cases by Month  
February 2014 - February 2017**







Reportable conditions that are *italicized* have an accompanying graph at the end of the monthly section.

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Year Total Through March				Year End
		Dec-16	Jan-17	Feb-17	Mar-17	2014	2015	2016	2017	2016
<b>Other</b>	Toxic Shock	-	-	-	-	-	-	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	1	-	-	-	-
	VISA	-	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
	<b>Other Subtotal</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>7</b>	<b>9</b>	<b>7</b>	<b>11</b>	<b>10</b>	<b>32</b>
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	66	74	76	78	152	195	215	228	849
	Gonorrhea	13	9	9	10	18	19	24	28	110
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Primary & Secondary Syphilis	-	-	-	-	-	-	-	-	5
	All Syphilis	1	-	-	-	-	1	1	-	13
	<b>STD Subtotal</b>	<b>80</b>	<b>83</b>	<b>85</b>	<b>88</b>	<b>170</b>	<b>215</b>	<b>240</b>	<b>256</b>	<b>972</b>
<b>Tuberculosis</b>	Latent Tuberculosis Infection ^	-	-	-	-	-	-	-	-	-
	Nontuberculous Mycobacterium ^	-	-	-	-	-	-	1	-	1
	Tuberculosis	-	1	-	1	-	1	-	2	-
	<b>Tuberculosis Subtotal</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>
<b>VPD</b>	Chickenpox (Varicella)	4	4	-	1	5	4	5	5	26
	Diphtheria	-	-	-	-	-	-	-	-	-
	<i>H. influenzae</i> Disease - Inv. †	-	2	-	-	1	1	2	2	3
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	1
	Pertussis	1	-	1	3	10	7	3	4	6
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	-	-	1	2	3	2	4	3	15
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	1	-	-	-	1	2	1	5
	<b>VPD Subtotal</b>	<b>5</b>	<b>7</b>	<b>2</b>	<b>6</b>	<b>19</b>	<b>15</b>	<b>16</b>	<b>15</b>	<b>56</b>
<b>Vectorborne</b>	Babesiosis	-	-	-	-	-	-	-	-	-
	Chikungunya †	-	-	-	-	-	-	-	-	-
	Dengue Fever	-	-	-	-	-	-	-	-	-
	Ehrlichiosis	-	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	-	-	1	-	1	1	-	1	11
	Malaria	-	-	-	-	-	-	-	-	4
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	1
	West Nile Virus	-	-	-	-	-	-	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-	-
Zika **	-	-	1	-	-	-	-	1	10	
<b>Vectorborne Subtotal</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>2</b>	<b>26</b>	
<b>Viral Hepatitis</b>	Hepatitis A	-	1	-	-	-	-	-	1	-
	Hepatitis B, Acute	-	-	-	-	-	-	-	-	2
	Hepatitis B, Chronic	3	2	3	1	3	2	5	6	21
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute ~	-	-	-	-	-	-	1	-	2
	Hepatitis C, Chronic ~	15	6	14	8	11	24	34	28	113
	Hepatitis C, Perinatal ^	-	-	-	-	-	-	-	-	-
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	<b>Viral Hepatitis Subtotal</b>	<b>18</b>	<b>9</b>	<b>17</b>	<b>9</b>	<b>14</b>	<b>26</b>	<b>40</b>	<b>35</b>	<b>138</b>
<b>Total</b>	<b>2,794</b>	<b>4,164</b>	<b>5,884</b>	<b>6,592</b>	<b>9,166</b>	<b>14,025</b>	<b>15,545</b>	<b>16,640</b>	<b>33,096</b>	

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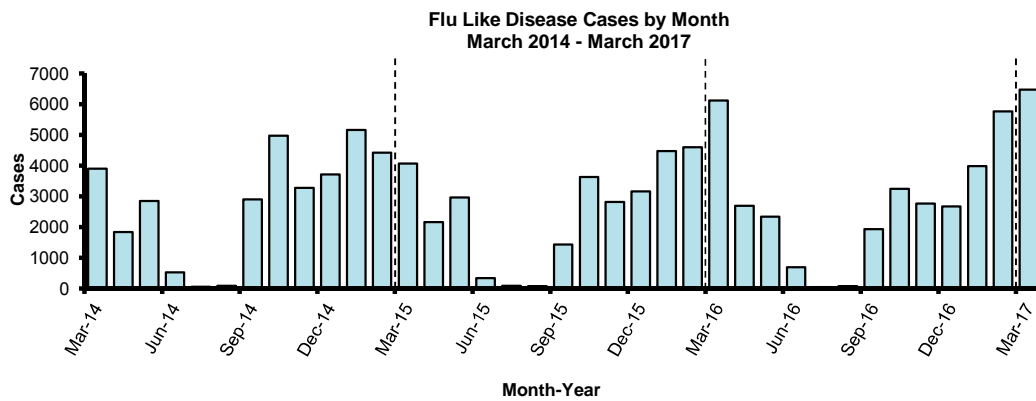
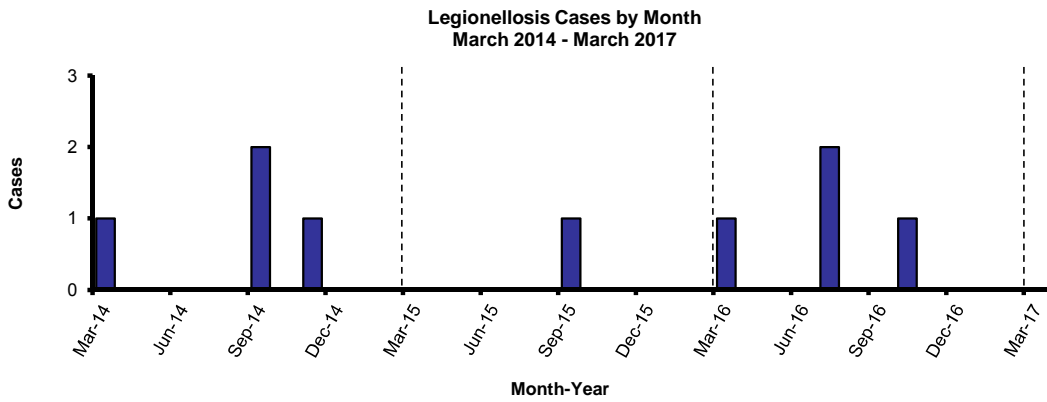
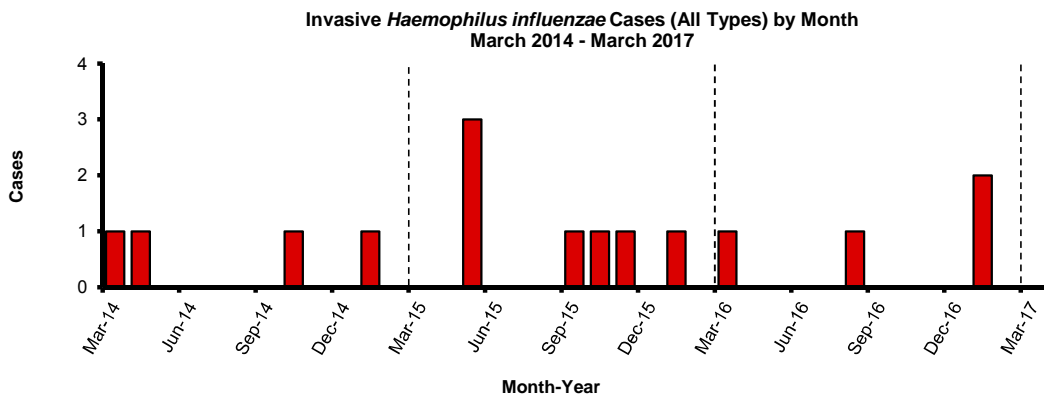
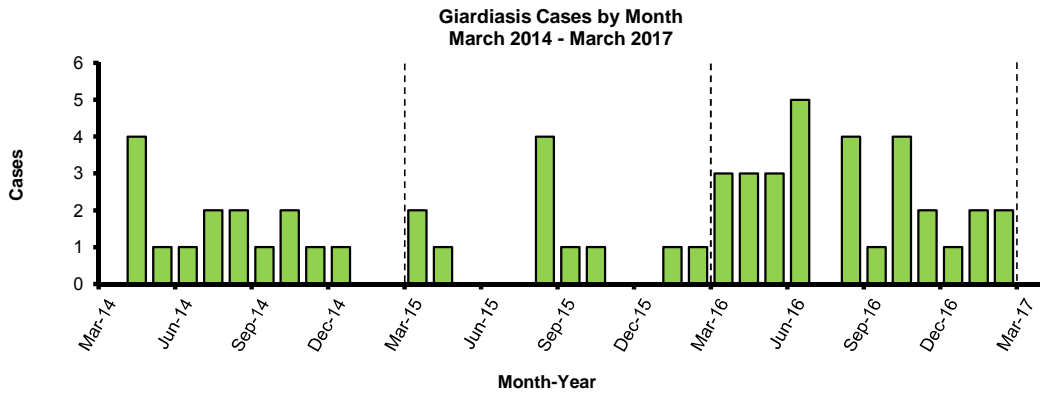
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+ Indicates disease added in 2015.

++ Indicates disease added in 2016.

^ Indicates disease added in late 2017.



## April 2017

Reportable conditions that are *italicized* have an accompanying graph at the end of the monthly section.

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Year Total Through April				Year End
		Jan-17	Feb-17	Mar-17	Apr-17	2014	2015	2016	2017	2016
<b>Foodborne</b>	Amebiasis	-	-	-	-	1	-	-	-	-
	Botulism - Foodborne	-	-	-	-	-	-	-	-	-
	<i>Campylobacter</i>	4	6	5	5	10	21	19	20	70
	Cryptosporidiosis	1	1	1	1	4	6	-	4	17
	Giardiasis	2	2	-	3	6	3	8	7	28
	Listeriosis	-	-	-	-	-	-	-	-	-
	Norovirus***	70	-	-	-	11	69	1	70	1
	<i>Salmonellosis</i>	2	1	3	5	12	7	11	11	26
	Shiga toxin-producing Escherichia coli --(STEC)	-	4	-	-	2	1	3	4	10
	<i>Shigellosis</i>	1	-	-	20	-	1	4	21	5
	Typhoid Fever	-	-	-	-	-	-	-	-	-
	Yersinia enterocolitica	-	-	-	1	-	1	-	1	1
	<b>Foodborne Subtotal</b>		80	14	9	35	46	109	46	138
<b>Influenza</b>	<i>Flu Like Disease * ***</i>	3,981	5,761	6,470	2,788	10,746	15,815	17,885	19,000	31,669
	Influenza	-	-	-	-	12	4	1	-	4
	Influenza, Novel	-	-	-	-	-	-	-	-	-
	<b>Influenza Subtotal</b>	3,981	5,761	6,470	2,788	10,758	15,819	17,886	19,000	31,673
<b>Meningitis</b>	Meningitis - Aseptic	1	1	-	-	4	3	4	2	21
	Meningitis - Bacterial Other	-	-	-	-	-	1	1	-	6
	Meningococcal Disease	-	-	-	-	-	-	-	-	1
	Streptococcus pneumoniae, Inv	1	-	2	3	5	8	7	6	12
	<b>Meningitis Subtotal</b>	2	1	2	3	9	12	12	8	40
<b>Other</b>	Anthrax	-	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	-	1	-	1	-	1
	Botulism - Infant	-	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	-	-	-	-
	CRE ^	-	-	-	-	-	-	-	-	-
	Candida auris ^	-	-	-	-	-	-	-	-	-
	Cholera	-	-	-	-	-	-	-	-	-
	Coccidioidomycosis	-	-	-	-	2	-	-	-	1
	Creutzfeldt-Jakob Disease	-	-	-	-	-	-	-	-	1
	Cryptococcosis	-	-	-	-	-	-	-	-	-
	Cyclosporiasis	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	-	-	-	-	-	1
	Encephalitis, Primary	-	-	-	-	-	-	-	-	-
	Guillain-Barre Syndrome	-	-	-	-	-	-	-	-	1
	Hantavirus	-	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	-	-	-	-	-	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	-	-	-	-
	Histoplasmosis	-	-	1	-	2	4	2	1	5
	Kawasaki	1	-	-	-	1	-	-	1	-
	Legionellosis	-	-	-	-	1	-	1	-	4
	Leprosy	-	-	-	-	-	-	-	-	-
	Leptospirosis	-	-	-	-	-	-	-	-	-
	Melioidosis	-	-	-	-	-	-	-	-	-
	Novel Coronavirus **	-	-	-	-	-	-	-	-	-
	Plague	-	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	-	-
	Q Fever Acute	-	-	-	-	-	-	1	-	1
	Q Fever Chronic	-	-	-	-	-	-	-	-	-
	Rabies Animal	-	-	-	-	-	-	-	-	1
	Rabies Human	-	-	-	-	-	-	-	-	-
	Reye Syndrome	-	-	-	-	-	-	-	-	-
Rheumatic Fever	-	-	-	-	-	-	-	-	-	
Rubella - Congenital	-	-	-	-	-	-	-	-	-	
Streptococcus pneumoniae, Drug Resistant	-	1	-	-	-	-	-	1	1	
Streptococcal Dis, Inv, Grp A	-	1	6	2	3	6	6	9	14	
Streptococcal Toxic Shock	-	-	-	-	-	-	1	-	1	

Reportable conditions that are *italicized* have an accompanying graph at the end of the monthly section.

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Year Total Through April				Year End
		Jan-17	Feb-17	Mar-17	Apr-17	2014	2015	2016	2017	2016
<b>Other</b>	Toxic Shock	-	-	-	-	-	-	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	1	-	-	-	-
	VISA	-	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
	<b>Other Subtotal</b>	1	2	7	2	11	10	12	12	32
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	74	76	78	78	194	249	282	306	849
	Gonorrhoea	9	9	10	11	28	27	28	39	110
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Primary & Secondary Syphilis	-	-	-	-	1	-	-	-	5
	All Syphilis	-	-	-	-	2	1	1	-	13
	<b>STD Subtotal</b>	83	85	88	89	224	277	311	345	972
<b>Tuberculosis</b>	Latent Tuberculosis Infection ^	-	-	-	-	-	-	-	-	-
	Nontuberculous Mycobacterium ^	-	-	-	-	-	-	1	-	1
	Tuberculosis	1	-	1	-	-	1	-	2	-
	<b>Tuberculosis Subtotal</b>	1	-	1	-	-	1	1	2	1
<b>VPD</b>	Chickenpox (Varicella)	4	-	1	1	6	5	6	6	26
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv. †	2	-	-	-	2	1	2	2	3
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	1
	Pertussis	-	1	3	2	10	7	3	6	6
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	-	1	2	-	3	3	5	3	15
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	1	-	-	3	-	2	2	4	5
	<b>VPD Subtotal</b>	7	2	6	6	21	18	18	21	56
<b>Vectorborne</b>	Babesiosis	-	-	-	-	-	-	-	-	-
	Chikungunya †	-	-	-	-	-	-	-	-	-
	Dengue Fever	-	-	-	-	-	-	-	-	-
	Ehrlichiosis	-	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	-	1	-	1	1	1	-	2	11
	Malaria	-	-	-	-	-	-	-	-	4
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	-	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	1
	West Nile Virus	-	-	-	-	-	-	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-	-
Zika **	-	1	-	-	-	-	-	1	10	
<b>Vectorborne Subtotal</b>	-	2	-	1	1	1	-	3	26	
<b>Viral Hepatitis</b>	Hepatitis A	1	-	-	-	-	-	-	1	-
	Hepatitis B, Acute	-	-	-	-	-	1	-	-	2
	Hepatitis B, Chronic	2	3	1	-	6	2	8	6	21
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute ~	-	-	-	-	-	-	2	-	2
	Hepatitis C, Chronic ~	6	14	8	20	16	27	43	48	113
	Hepatitis C, Perinatal ^	-	-	-	-	-	-	-	-	-
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
<b>Viral Hepatitis Subtotal</b>	9	17	9	20	22	30	53	55	138	
<b>Total</b>		4,164	5,884	6,592	2,944	11,092	16,277	18,339	19,584	33,096

\* 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.

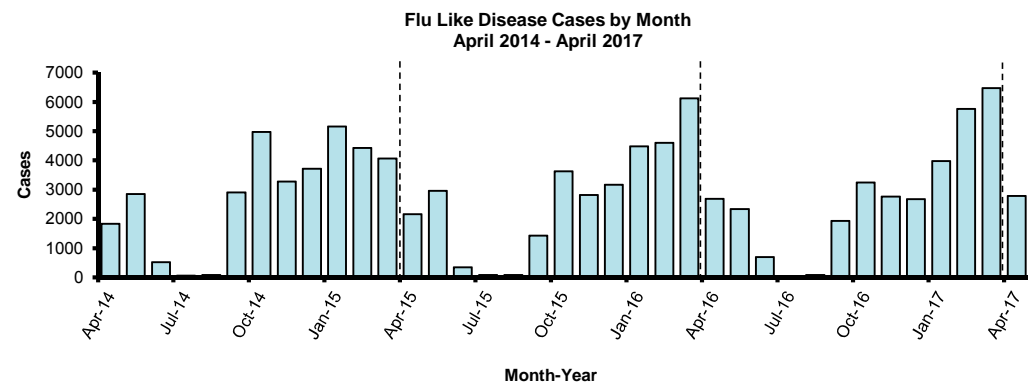
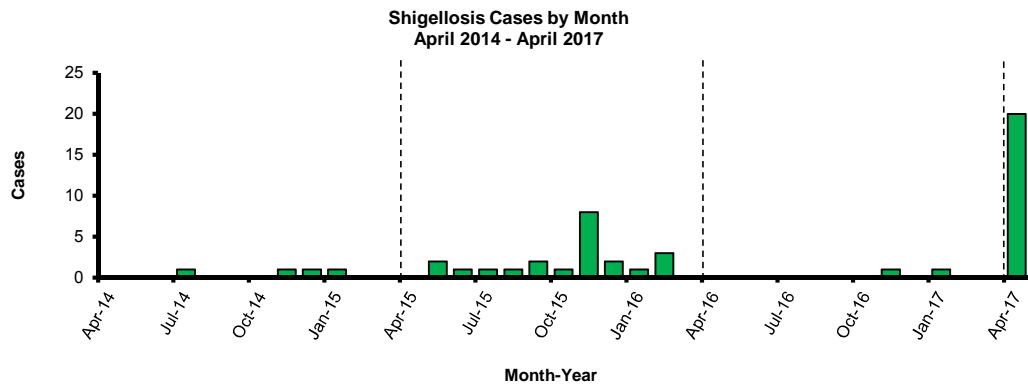
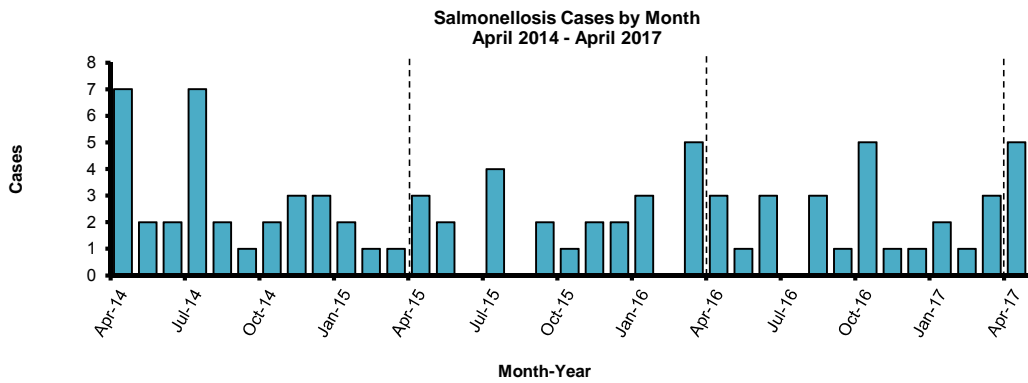
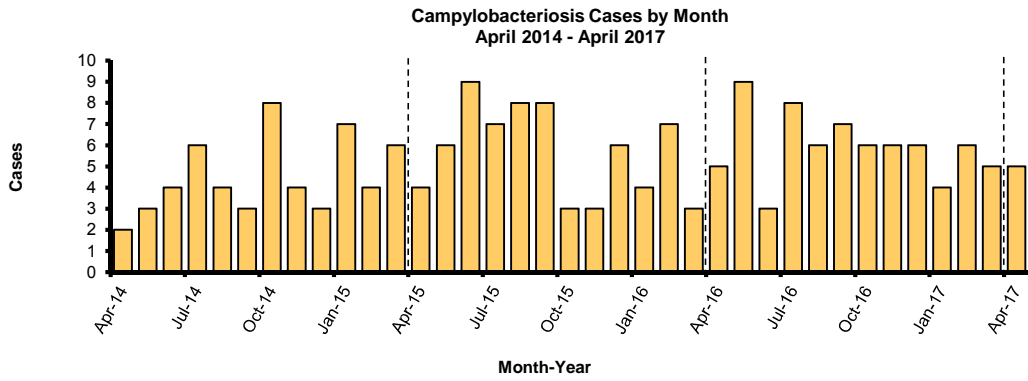
† All serotypes of invasive H. influenzae (Hi) disease are included, though only H. influenzae serotype b disease (Hib) is vaccine-preventable.

~ Indicates a change in the case definition for 2016, which may increase the number of confirmed and probable cases.

+ Indicates disease added in 2015.

++ Indicates disease added in 2016.

^ Indicates disease added in late 2017.



## May 2017

Reportable conditions that are *italicized* have an accompanying graph at the end of the monthly section.

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Year Total Through May				Year End
		Feb-17	Mar-17	Apr-17	May-17	2014	2015	2016	2017	2016
<b>Foodborne</b>	Amebiasis	-	-	-	-	1	-	-	-	-
	Botulism - Foodborne	-	-	-	-	-	-	-	-	-
	Campylobacter	6	5	5	4	13	27	28	24	70
	Cryptosporidiosis	1	1	1	2	5	6	1	6	17
	Giardiasis	2	-	3	-	7	3	11	7	28
	Listeriosis	-	-	-	-	-	-	-	-	-
	Norovirus***	-	-	-	-	11	69	1	70	1
	Salmonellosis	1	3	5	2	14	9	12	13	26
	<i>Shiga toxin-producing Escherichia coli --(STEC)</i>	4	-	-	1	3	2	4	5	10
	Shigellosis	-	-	20	2	-	3	4	23	5
	Typhoid Fever	-	-	-	-	-	-	-	-	-
	Yersinia enteritis	-	-	1	-	-	1	-	1	1
	<b>Foodborne Subtotal</b>		14	9	35	11	54	120	61	149
<b>Influenza</b>	Flu Like Disease* ***	5,761	6,470	2,788	1,897	13,598	18,779	20,222	20,897	31,669
	Influenza	-	-	-	-	13	4	2	-	4
	Influenza, Novel	-	-	-	-	-	-	-	-	-
	<b>Influenza Subtotal</b>	5,761	6,470	2,788	1,897	13,611	18,783	20,224	20,897	31,673
<b>Meningitis</b>	Meningitis - Aseptic	1	-	-	-	7	3	4	2	21
	Meningitis - Bacterial Other	-	-	-	-	2	5	1	-	6
	Meningococcal Disease	-	-	-	-	-	-	-	-	1
	Streptococcus pneumoniae, Inv	-	2	3	1	7	8	7	7	12
	<b>Meningitis Subtotal</b>	1	2	3	1	16	16	12	9	40
<b>Other</b>	Anthrax	-	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	-	1	-	1	-	1
	Botulism - Infant	-	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	-	-	-	-
	CRE ^	-	-	-	-	-	-	-	-	-
	Candida auris ^	-	-	-	-	-	-	-	-	-
	Cholera	-	-	-	-	-	-	-	-	-
	Coccidioidomycosis	-	-	-	-	2	-	-	-	1
	Creutzfeldt-Jakob Disease	-	-	-	-	-	-	-	-	1
	Cryptococcosis	-	-	-	-	-	-	-	-	-
	Cyclosporiasis	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	-	-	-	-	-	1
	Encephalitis, Primary	-	-	-	-	-	-	-	-	-
	Guillain-Barre Syndrome	-	-	-	-	-	-	-	-	1
	Hantavirus	-	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	-	-	-	-	-	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	-	-	-	-
	Histoplasmosis	-	1	-	2	2	5	4	3	5
	Kawasaki	-	-	-	-	1	-	-	1	-
	Legionellosis	-	-	-	-	1	-	1	-	4
	Leprosy	-	-	-	-	-	-	-	-	-
	Leptospirosis	-	-	-	-	-	-	-	-	-
	Melioidosis	-	-	-	-	-	-	-	-	-
	Novel Coronavirus **	-	-	-	-	-	-	-	-	-
	Plague	-	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	-	-
	Q Fever Acute	-	-	-	-	-	-	1	-	1
	Q Fever Chronic	-	-	-	-	-	-	-	-	-
	Rabies Animal	-	-	-	-	-	-	-	-	1
	Rabies Human	-	-	-	-	-	-	-	-	-
Reye Syndrome	-	-	-	-	-	-	-	-	-	
Rheumatic Fever	-	-	-	-	-	-	-	-	-	
Rubella - Congenital	-	-	-	-	-	-	-	-	-	
Streptococcus pneumoniae, Drug Resistant	1	-	-	-	-	-	-	1	1	
Streptococcal Dis, Inv, Grp A	1	6	2	4	4	8	8	13	14	
Streptococcal Toxic Shock	-	-	-	-	-	-	1	-	1	

Reportable conditions that are *italicized* have an accompanying graph at the end of the monthly section.

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Year Total Through May				Year End
		Feb-17	Mar-17	Apr-17	May-17	2014	2015	2016	2017	2016
<b>Other</b>	Toxic Shock	-	-	-	-	-	-	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	1	-	-	-	-
	VISA	-	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
	<b>Other Subtotal</b>	2	7	2	6	12	13	16	18	32
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	-
	<i>Chlamydia (Genital)</i>	76	78	78	90	263	304	345	396	849
	Gonorrhea	9	10	11	20	30	32	36	59	110
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Primary & Secondary Syphilis	-	-	-	-	1	2	2	-	5
	All Syphilis	-	-	-	1	2	3	4	1	13
	<b>STD Subtotal</b>	85	88	89	111	295	339	385	456	972
<b>Tuberculosis</b>	Latent Tuberculosis Infection ^	-	-	-	-	-	-	-	-	-
	Nontuberculous Mycobacterium ^	-	-	-	-	-	-	1	-	1
	<i>Tuberculosis</i>	-	1	-	-	1	1	-	2	-
	<b>Tuberculosis Subtotal</b>	-	1	-	-	1	1	1	2	1
<b>VPD</b>	<i>Chickenpox (Varicella)</i>	-	1	1	2	8	8	15	8	26
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv. †	-	-	-	-	2	4	2	2	3
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	2	-	-	1	2	1
	Pertussis	1	3	2	6	10	8	3	12	6
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	1	2	-	1	3	8	6	4	15
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	3	2	-	2	2	6	5
	<b>VPD Subtotal</b>	2	6	6	13	23	30	29	34	56
<b>Vectorborne</b>	Babesiosis	-	-	-	-	-	-	-	-	-
	Chikungunya †	-	-	-	-	-	-	-	-	-
	Dengue Fever	-	-	-	-	-	-	-	-	-
	Ehrlichiosis	-	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	1	-	1	-	1	2	1	2	11
	Malaria	-	-	-	-	-	-	1	-	4
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	1	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	-	-	1
	West Nile Virus	-	-	-	-	-	-	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-	-
	Zika ††	1	-	-	-	-	-	1	1	10
	<b>Vectorborne Subtotal</b>	2	-	1	-	1	3	3	3	26
<b>Viral Hepatitis</b>	Hepatitis A	-	-	-	-	-	-	-	1	-
	Hepatitis B, Acute	-	-	-	-	-	1	-	-	2
	Hepatitis B, Chronic	3	1	-	4	7	3	9	10	21
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute ~	-	-	-	-	-	1	2	-	2
	Hepatitis C, Chronic ~	14	8	20	12	23	33	54	60	113
	Hepatitis C, Perinatal ^	-	-	-	-	-	-	-	-	-
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	<b>Viral Hepatitis Subtotal</b>	17	9	20	16	30	38	65	71	138
<b>Total</b>		5,884	6,592	2,944	2,055	14,043	19,343	20,796	21,639	33,096

\* 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.

† All serotypes of invasive H. influenzae (Hi) disease are included, though only H. influenzae serotype b disease (Hib) is vaccine-preventable.

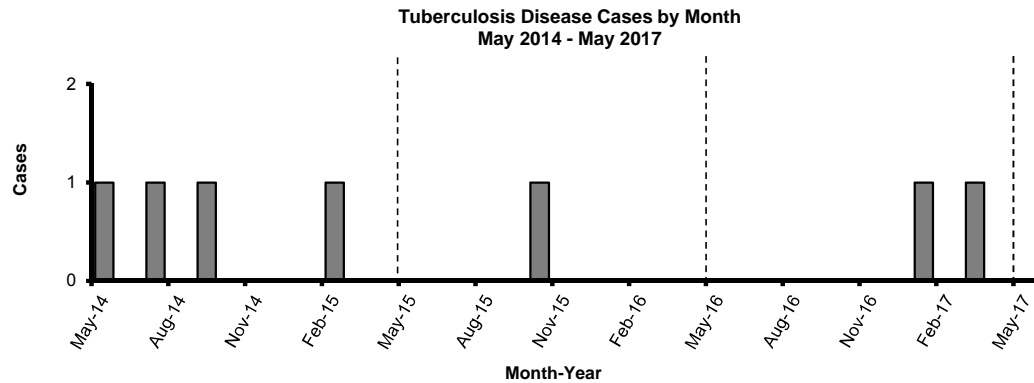
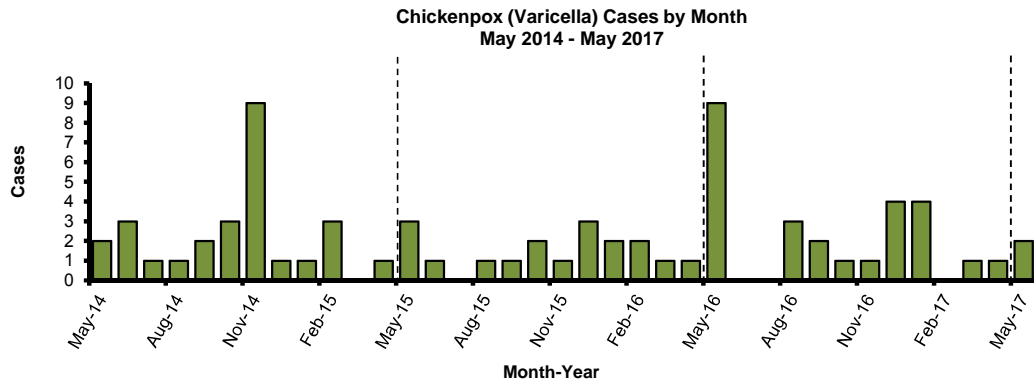
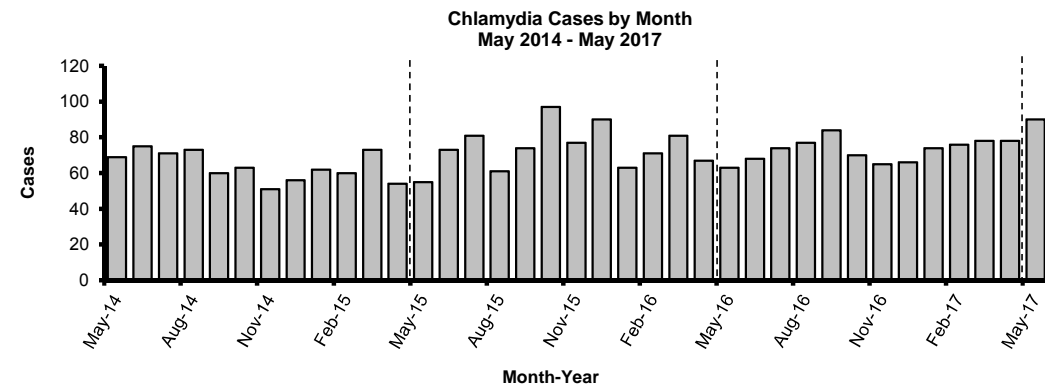
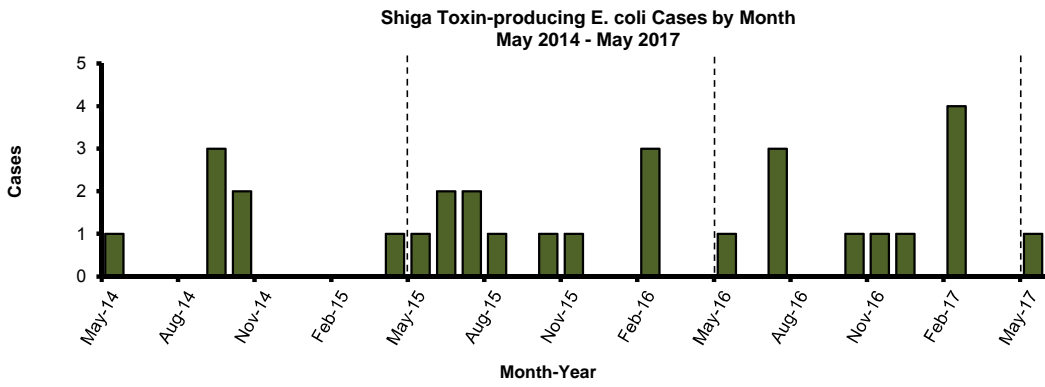
~ Indicates a change in the case definition for 2016, which may increase the number of confirmed and probable cases.

+ Indicates disease added in 2015.

†† Indicates disease added in 2016.

^ Indicates disease added in late 2017.





## June 2017

Reportable conditions that are *italicized* have an accompanying graph at the end of the monthly section.

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Year Total Through June				Year End
		Mar-17	Apr-17	May-17	Jun-17	2014	2015	2016	2017	2016
<b>Foodborne</b>	Amebiasis	-	-	-	-	1	-	-	-	-
	Botulism - Foodborne	-	-	-	-	-	-	-	-	-
	Campylobacter	5	5	4	2	17	36	31	26	70
	<i>Cryptosporidiosis</i>	1	1	2	1	6	6	4	7	17
	Giardiasis	-	3	-	3	8	3	16	10	28
	Listeriosis	-	-	-	-	-	-	-	-	-
	Norovirus***	-	-	-	-	11	80	1	70	1
	Salmonellosis	3	5	2	2	16	9	15	15	26
	Shiga toxin-producing Escherichia coli --(STEC)	-	-	1	-	3	4	4	5	10
	Shigellosis	-	20	2	-	-	4	4	23	5
	Typhoid Fever	-	-	-	-	-	-	-	-	-
	Yersinia enteritis	-	1	-	-	-	1	-	1	1
	<b>Foodborne Subtotal</b>	9	35	11	8	62	143	75	157	158
<b>Influenza</b>	Flu Like Disease* ***	6,470	2,788	1,897	542	14,124	19,123	20,921	21,439	31,669
	Influenza	-	-	-	-	13	4	2	-	4
	Influenza, Novel	-	-	-	-	-	-	-	-	-
	<b>Influenza Subtotal</b>	6,470	2,788	1,897	542	14,137	19,127	20,923	21,439	31,673
<b>Meningitis</b>	Meningitis - Aseptic	-	-	-	1	9	4	4	3	21
	Meningitis - Bacterial Other	-	-	-	-	3	5	4	-	6
	Meningococcal Disease	-	-	-	-	-	-	-	-	1
	Streptococcus pneumoniae, Inv	2	3	1	1	9	8	7	8	12
	<b>Meningitis Subtotal</b>	2	3	1	2	21	17	15	11	40
<b>Other</b>	Anthrax	-	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	-	1	-	1	-	1
	Botulism - Infant	-	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	-	-	-	-
	CRE ^	-	-	-	-	-	-	-	-	-
	Candida auris ^	-	-	-	-	-	-	-	-	-
	Cholera	-	-	-	-	-	-	-	-	-
	Coccidioidomycosis	-	-	-	-	3	-	-	-	1
	Creutzfeldt-Jakob Disease	-	-	-	-	-	-	-	-	1
	Cryptococcosis	-	-	-	-	-	-	-	-	-
	Cyclosporiasis	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	-	-	-	-	-	1
	Encephalitis, Primary	-	-	-	-	-	-	-	-	-
	Guillain-Barre Syndrome	-	-	-	-	-	-	-	-	1
	Hantavirus	-	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	-	-	-	-	-	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	-	-	-	-
	Histoplasmosis	1	-	2	2	3	6	4	5	5
	Kawasaki	-	-	-	-	1	-	-	1	-
	Legionellosis	-	-	-	-	1	-	1	-	4
	Leprosy	-	-	-	-	-	-	-	-	-
	Leptospirosis	-	-	-	-	-	-	-	-	-
	Melioidosis	-	-	-	-	-	-	-	-	-
	Novel Coronavirus **	-	-	-	-	-	-	-	-	-
	Plague	-	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	-	-
	Q Fever Acute	-	-	-	-	-	-	1	-	1
	Q Fever Chronic	-	-	-	-	-	-	-	-	-
	Rabies Animal	-	-	-	-	-	1	-	-	1
	Rabies Human	-	-	-	-	-	-	-	-	-
	Reye Syndrome	-	-	-	-	-	-	-	-	-
	Rheumatic Fever	-	-	-	-	-	-	-	-	-
	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	-	-	-	1	-	-	1	1
	Streptococcal Dis, Inv, Grp A	6	2	4	-	5	8	9	13	14
	Streptococcal Toxic Shock	-	-	-	-	-	-	1	-	1

Reportable conditions that are *italicized* have an accompanying graph at the end of the monthly section.

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Year Total Through June				Year End
		Mar-17	Apr-17	May-17	Jun-17	2014	2015	2016	2017	2016
<b>Other</b>	Toxic Shock	-	-	-	-	-	-	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	1	1	-	-	1	-
	VISA	-	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
	<b>Other Subtotal</b>	7	2	6	3	16	15	17	21	32
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	78	78	90	85	338	377	413	481	849
	<i>Gonorrhoea</i>	10	11	20	14	34	42	42	73	110
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Primary & Secondary Syphilis	-	-	-	-	1	2	2	-	5
	All Syphilis	-	-	1	2	2	3	4	3	13
	<b>STD Subtotal</b>	88	89	111	101	374	422	459	557	972
<b>Tuberculosis</b>	Latent Tuberculosis Infection ^	-	-	-	-	-	-	-	-	-
	Nontuberculous Mycobacterium ^	-	-	-	-	-	-	1	-	1
	Tuberculosis	1	-	-	-	1	1	-	2	-
	<b>Tuberculosis Subtotal</b>	1	-	-	-	1	1	1	2	1
<b>VPD</b>	Chickenpox (Varicella)	1	1	2	-	11	9	15	8	26
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv. †	-	-	-	1	2	4	2	3	3
	Measles	-	-	-	-	-	-	-	-	-
	<i>Mumps</i>	-	-	2	1	-	-	1	3	1
	<i>Pertussis</i>	3	2	6	3	12	8	3	15	6
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	2	-	1	4	4	9	6	8	15
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	3	2	3	-	2	3	9	5
	<b>VPD Subtotal</b>	6	6	13	12	29	32	30	46	56
<b>Vectorborne</b>	Babesiosis	-	-	-	-	-	-	-	-	-
	Chikungunya †	-	-	-	1	-	-	-	1	-
	Dengue Fever	-	-	-	-	-	-	-	-	-
	Ehrlichiosis	-	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	-	1	-	1	1	4	2	3	11
	Malaria	-	-	-	-	1	-	3	-	4
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	1	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	1	-	1
	West Nile Virus	-	-	-	-	-	-	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-	-
	Zika ††	-	-	-	-	-	-	1	1	10
	<b>Vectorborne Subtotal</b>	-	1	-	2	2	5	7	5	26
<b>Viral Hepatitis</b>	Hepatitis A	-	-	-	-	-	-	-	1	-
	Hepatitis B, Acute	-	-	-	-	-	1	2	-	2
	Hepatitis B, Chronic	1	-	4	2	7	3	11	12	21
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute ~	-	-	-	-	-	1	2	-	2
	Hepatitis C, Chronic ~	8	20	12	7	28	42	61	67	113
	Hepatitis C, Perinatal ^	-	-	-	-	-	-	-	-	-
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	<b>Viral Hepatitis Subtotal</b>	9	20	16	9	35	47	76	80	138
<b>Total</b>		6,592	2,944	2,055	679	14,677	19,809	21,603	22,318	33,096

\* 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.

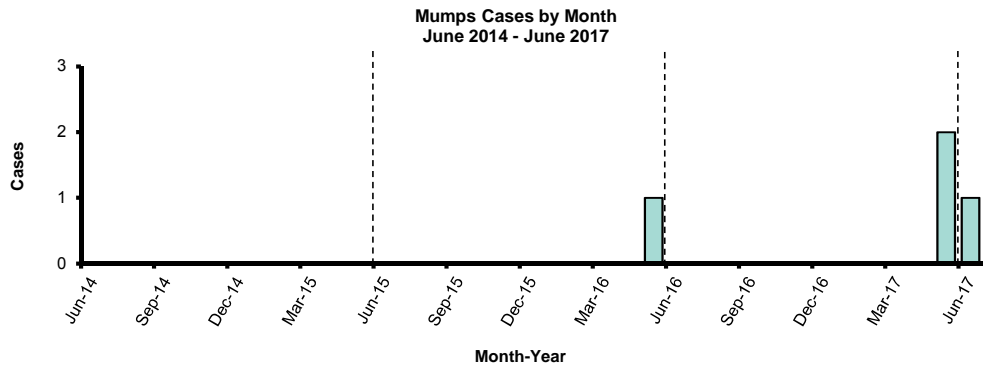
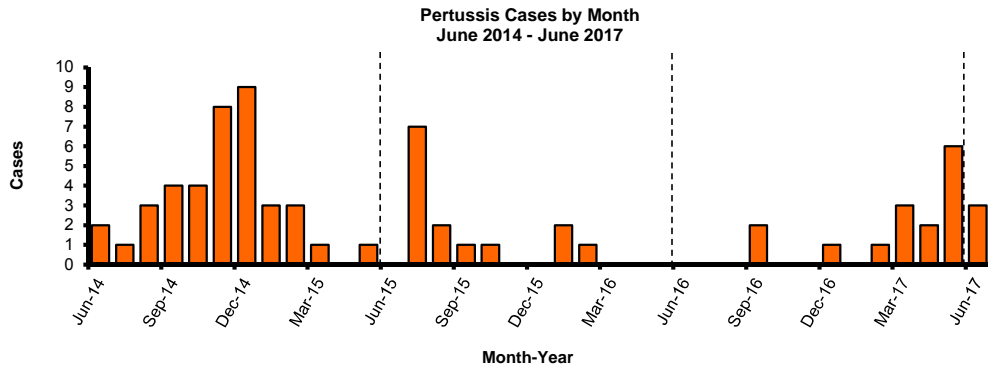
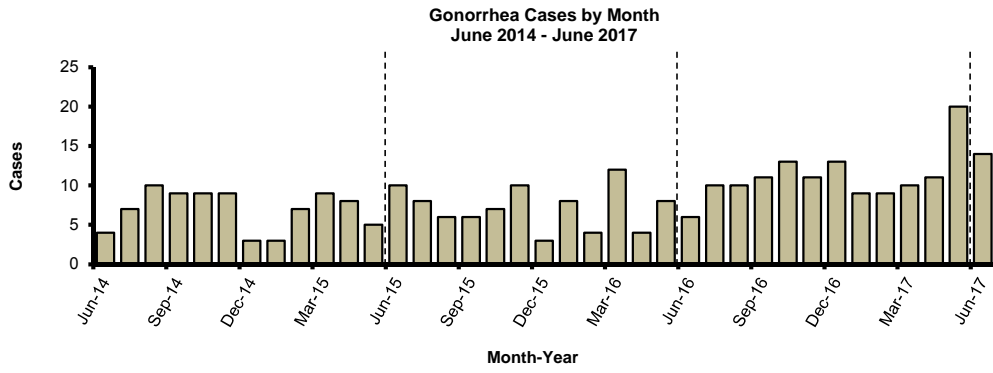
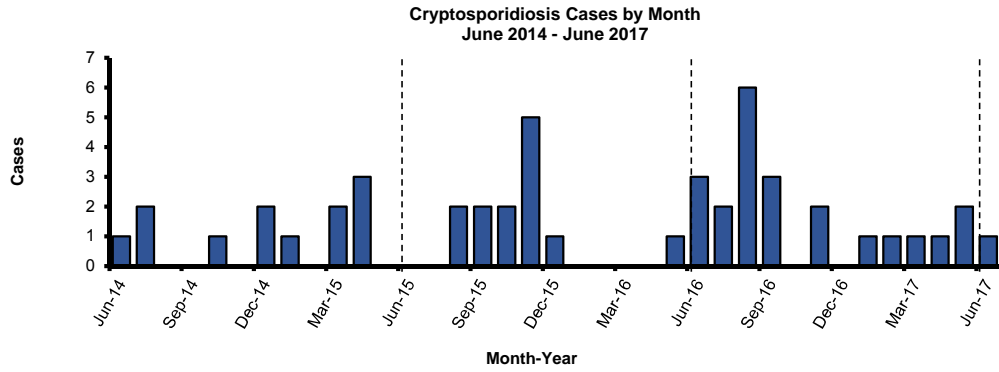
† All serotypes of invasive H. influenzae (Hi) disease are included, though only H. influenzae serotype b disease (Hib) is vaccine-preventable.

~ Indicates a change in the case definition for 2016, which may increase the number of confirmed and probable cases.

+ Indicates disease added in 2015.

†† Indicates disease added in 2016.

^ Indicates disease added in late 2017.



## July 2017

Reportable conditions that are *italicized* have an accompanying graph at the end of the monthly section.

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Year Total Through July				Year End
		Apr-17	May-17	Jun-17	Jul-17	2014	2015	2016	2017	2016
<b>Foodborne</b>	Amebiasis	-	-	-	-	1	-	-	-	-
	Botulism - Foodborne	-	-	-	-	-	-	-	-	-
	Campylobacter	5	4	2	13	23	43	39	39	70
	Cryptosporidiosis	1	2	1	2	8	6	6	9	17
	Giardiasis	3	-	3	1	10	3	16	11	28
	Listeriosis	-	-	-	-	-	-	-	-	-
	Norovirus***	-	-	-	-	11	80	1	70	1
	Salmonellosis	5	2	2	6	23	13	15	21	26
	Shiga toxin-producing Escherichia coli --(STEC)	-	1	-	-	3	6	7	5	10
	Shigellosis	20	2	-	-	1	5	4	23	5
	Typhoid Fever	-	-	-	-	-	-	-	-	-
	Yersinia enteritis	1	-	-	-	1	1	-	1	1
	<b>Foodborne Subtotal</b>	35	11	8	22	81	157	88	179	158
<b>Influenza</b>	Flu Like Disease* ***	2,788	1,897	542	102	14,186	19,211	20,975	21,541	31,669
	Influenza	-	-	-	-	13	4	2	-	4
	Influenza, Novel	-	-	-	-	-	-	-	-	-
	<b>Influenza Subtotal</b>	2,788	1,897	542	102	14,199	19,215	20,977	21,541	31,673
<b>Meningitis</b>	Meningitis - Aseptic	-	-	1	3	11	7	6	6	21
	Meningitis - Bacterial Other	-	-	-	-	4	5	4	-	6
	Meningococcal Disease	-	-	-	-	-	-	-	-	1
	Streptococcus pneumoniae, Inv	3	1	1	-	9	8	7	8	12
	<b>Meningitis Subtotal</b>	3	1	2	3	24	20	17	14	40
<b>Other</b>	Anthrax	-	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	-	1	-	1	-	1
	Botulism - Infant	-	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	-	-	-	-
	CRE ^	-	-	-	-	-	-	-	-	-
	Candida auris ^	-	-	-	-	-	-	-	-	-
	Cholera	-	-	-	-	-	-	-	-	-
	Coccidioidomycosis	-	-	-	1	3	-	-	1	1
	Creutzfeldt-Jakob Disease	-	-	-	-	-	-	-	-	1
	Cryptococcosis	-	-	-	-	-	-	-	-	-
	Cyclosporiasis	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	-	-	-	1	-	1
	Encephalitis, Primary	-	-	-	-	-	-	-	-	-
	Guillain-Barre Syndrome	-	-	-	-	-	1	-	-	1
	Hantavirus	-	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	-	-	-	-	-	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	-	-	-	-
	Histoplasmosis	-	2	2	-	3	6	4	5	5
	Kawasaki	-	-	-	-	1	-	-	1	-
	Legionellosis	-	-	-	-	1	-	3	-	4
	Leprosy	-	-	-	-	-	-	-	-	-
	Leptospirosis	-	-	-	-	-	-	-	-	-
	Melioidosis	-	-	-	-	-	-	-	-	-
	Novel Coronavirus **	-	-	-	-	-	-	-	-	-
	Plague	-	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	-	-
	Q Fever Acute	-	-	-	-	-	-	1	-	1
	Q Fever Chronic	-	-	-	-	-	-	-	-	-
	Rabies Animal	-	-	-	-	-	1	-	-	1
	Rabies Human	-	-	-	-	-	-	-	-	-
	Reye Syndrome	-	-	-	-	-	-	-	-	-
	Rheumatic Fever	-	-	-	-	-	-	-	-	-
	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	-	-	-	1	-	-	1	1
	Streptococcal Dis, Inv, Grp A	2	4	-	1	5	8	9	14	14
	Streptococcal Toxic Shock	-	-	-	-	-	-	1	-	1

Reportable conditions that are *italicized* have an accompanying graph at the end of the monthly section.

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Year Total Through July				Year End
		Apr-17	May-17	Jun-17	Jul-17	2014	2015	2016	2017	2016
<b>Other</b>	Toxic Shock	-	-	-	-	-	-	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	1	-	1	-	-	1	-
	VISA	-	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
	<b>Other Subtotal</b>	2	6	3	2	16	16	20	23	32
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	78	90	85	78	409	458	487	559	849
	Gonorrhea	11	20	14	9	41	50	52	82	110
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Primary & Secondary Syphilis	-	-	-	-	1	3	4	-	5
	All Syphilis	-	1	2	1	3	4	6	4	13
		<b>STD Subtotal</b>	89	111	101	88	453	512	545	645
<b>Tuberculosis</b>	Latent Tuberculosis Infection ^	-	-	-	-	-	-	-	-	-
	Nontuberculous Mycobacterium ^	-	-	-	1	-	-	1	1	1
	Tuberculosis	-	-	-	-	2	1	-	2	-
	<b>Tuberculosis Subtotal</b>	-	-	-	1	2	1	1	3	1
<b>VPD</b>	Chickenpox (Varicella)	1	2	-	2	12	9	15	10	26
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv. †	-	-	1	-	2	4	2	3	3
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	2	1	-	-	-	1	3	1
	Pertussis	2	6	3	4	13	15	3	19	6
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	-	1	4	4	5	10	6	12	15
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	3	2	3	-	-	2	4	9	5
	<b>VPD Subtotal</b>	6	13	12	10	32	40	31	56	56
<b>Vectorborne</b>	Babesiosis	-	-	-	-	-	-	-	-	-
	Chikungunya †	-	-	1	-	-	-	-	1	-
	Dengue Fever	-	-	-	-	-	-	-	-	-
	Ehrlichiosis	-	-	-	-	-	-	-	-	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	1	-	1	5	3	5	7	8	11
	Malaria	-	-	-	-	1	-	4	-	4
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	1	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	1	-	1
	West Nile Virus	-	-	-	-	-	-	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-	-
Zika ††	-	-	-	-	-	-	5	1	10	
	<b>Vectorborne Subtotal</b>	1	-	2	5	4	6	17	10	26
<b>Viral Hepatitis</b>	Hepatitis A	-	-	-	-	-	-	-	1	-
	Hepatitis B, Acute	-	-	-	-	-	1	2	-	2
	<i>Hepatitis B, Chronic</i>	-	4	2	-	7	3	12	12	21
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	<i>Hepatitis C, Acute</i> ~	-	-	-	1	-	1	2	1	2
	<i>Hepatitis C, Chronic</i> ~	20	12	7	11	33	46	72	78	113
	Hepatitis C, Perinatal ^	-	-	-	-	-	-	-	-	-
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	<b>Viral Hepatitis Subtotal</b>	20	16	9	12	40	51	88	92	138
	<b>Total</b>	2,944	2,055	679	245	14,851	20,018	21,784	22,563	33,096

\* 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.

† All serotypes of invasive H. influenzae (Hi) disease are included, though only H. influenzae serotype b disease (Hib) is vaccine-preventable.

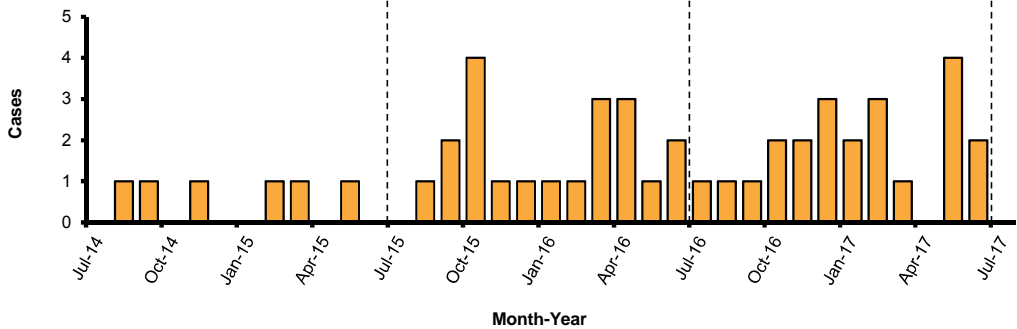
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+ Indicates disease added in 2015.

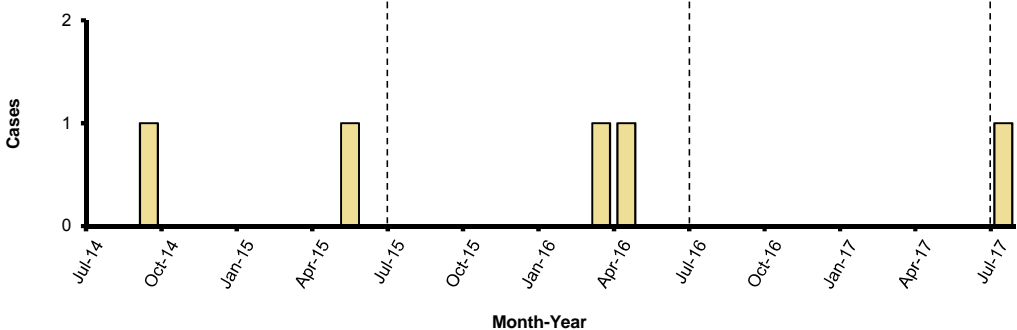
†† Indicates disease added in 2016.

^ Indicates disease added in late 2017.

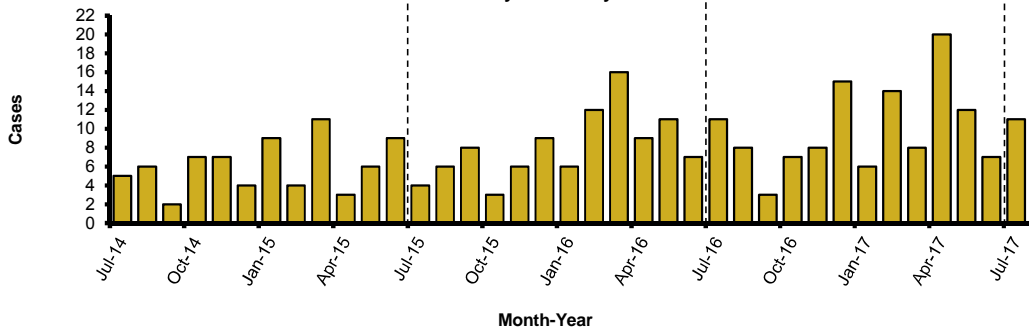
**Chronic Hepatitis B Cases by Month  
July 2014 - July 2017**



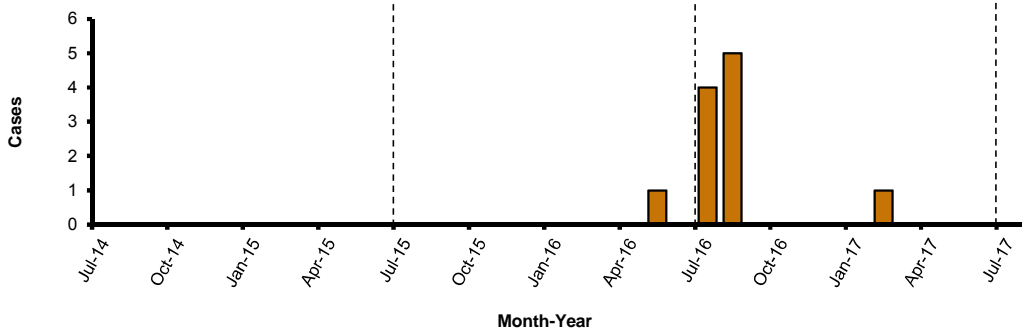
**Acute Hepatitis C Cases by Month  
July 2014 - July 2017**



**Chronic Hepatitis C Cases by Month  
July 2014 - July 2017**



**Zika Virus Cases by Month  
July 2014 - July 2017**



## August 2017

Reportable conditions that are *italicized* have an accompanying graph at the end of the monthly section.

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Year Total Through August				Year End
		May-17	Jun-17	Jul-17	Aug-17	2014	2015	2016	2017	2016
<b>Foodborne</b>	Amebiasis	-	-	-	-	2	-	-	-	-
	Botulism - Foodborne	-	-	-	-	-	-	-	-	-
	Campylobacter	4	2	13	7	27	51	45	46	70
	<i>Cryptosporidiosis</i>	2	1	2	1	8	8	12	10	17
	Giardiasis	-	3	1	3	12	7	20	14	28
	Listeriosis	-	-	-	-	-	-	-	-	-
	Norovirus***	-	-	-	-	16	81	1	70	1
	<i>Salmonellosis</i>	2	2	6	9	25	13	18	30	26
	Shiga toxin-producing Escherichia coli --(STEC)	1	-	-	1	3	7	7	6	10
	Shigellosis	2	-	-	-	1	6	4	23	5
	Typhoid Fever	-	-	-	-	-	-	-	-	-
	Yersinia enterocolitica	-	-	-	-	1	1	-	1	1
	<b>Foodborne Subtotal</b>	11	8	22	21	95	174	107	200	158
<b>Influenza</b>	Flu Like Disease* ***	1,897	542	102	88	14,273	19,294	21,058	21,629	31,669
	Influenza	-	-	-	-	13	4	2	-	4
	Influenza, Novel	-	-	-	-	-	-	-	-	-
	<b>Influenza Subtotal</b>	1,897	542	102	88	14,286	19,298	21,060	21,629	31,673
<b>Meningitis</b>	Meningitis - Aseptic	-	1	3	1	16	8	11	7	21
	Meningitis - Bacterial Other	-	-	-	-	4	5	4	-	6
	Meningococcal Disease	-	-	-	-	-	-	-	-	1
	Streptococcus pneumoniae, Inv	1	1	-	-	9	8	7	8	12
	<b>Meningitis Subtotal</b>	1	2	3	1	29	21	22	15	40
<b>Other</b>	Anthrax	-	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	-	1	-	1	-	1
	Botulism - Infant	-	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	-	-	-	-
	CRE ^	-	-	-	-	-	-	-	-	-
	Candida auris ^	-	-	-	-	-	-	-	-	-
	Cholera	-	-	-	-	-	-	-	-	-
	Coccidioidomycosis	-	-	1	-	3	-	-	1	1
	Creutzfeldt-Jakob Disease	-	-	-	-	-	-	-	-	1
	Cryptococcosis	-	-	-	-	-	-	-	-	-
	Cyclosporiasis	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	-	-	-	1	-	1
	Encephalitis, Primary	-	-	-	-	-	-	-	-	-
	Guillain-Barre Syndrome	-	-	-	1	-	1	-	1	1
	Hantavirus	-	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	-	-	-	-	-	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	-	-	-	-
	Histoplasmosis	2	2	-	2	4	8	4	7	5
	Kawasaki	-	-	-	-	1	1	-	1	-
	<i>Legionellosis</i>	-	-	-	-	1	-	3	-	4
	Leprosy	-	-	-	-	-	-	-	-	-
	Leptospirosis	-	-	-	-	-	-	-	-	-
	Melioidosis	-	-	-	-	-	-	-	-	-
	Novel Coronavirus **	-	-	-	-	-	-	-	-	-
	Plague	-	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	-	-
	Q Fever Acute	-	-	-	-	-	-	1	-	1
	Q Fever Chronic	-	-	-	-	-	-	-	-	-
	Rabies Animal	-	-	-	-	-	1	1	-	1
	Rabies Human	-	-	-	-	-	-	-	-	-
	Reye Syndrome	-	-	-	-	-	-	-	-	-
	Rheumatic Fever	-	-	-	-	-	-	-	-	-
	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	-	-	-	1	-	-	1	1
	Streptococcal Dis, Inv, Grp A	4	-	1	-	6	9	10	14	14
	Streptococcal Toxic Shock	-	-	-	-	-	-	1	-	1



Reportable conditions that are *italicized* have an accompanying graph at the end of the monthly section.

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Year Total Through August				Year End
		May-17	Jun-17	Jul-17	Aug-17	2014	2015	2016	2017	2016
<b>Other</b>	Toxic Shock	-	-	-	-	-	-	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	1	-	-	1	-	-	1	-
	VISA	-	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
	<b>Other Subtotal</b>	6	3	2	3	18	20	22	26	32
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	90	85	78	79	482	519	564	638	849
	Gonorrhoea	20	14	9	9	51	56	62	91	110
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Primary & Secondary Syphilis	-	-	-	-	1	4	4	-	5
	All Syphilis	1	2	1	-	3	5	7	4	13
	<b>STD Subtotal</b>	111	101	88	88	536	580	633	733	972
<b>Tuberculosis</b>	Latent Tuberculosis Infection ^	-	-	-	-	-	-	-	-	-
	Nontuberculous Mycobacterium ^	-	-	1	-	-	-	1	1	1
	Tuberculosis	-	-	-	-	2	1	-	2	-
	<b>Tuberculosis Subtotal</b>	-	-	1	-	2	1	1	3	1
<b>VPD</b>	Chickenpox (Varicella)	2	-	2	-	13	10	18	10	26
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv. †	-	1	-	-	2	4	3	3	3
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	2	1	-	-	-	-	1	3	1
	<i>Pertussis</i>	6	3	4	11	16	17	3	30	6
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	1	4	4	1	8	14	7	13	15
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	2	3	-	1	-	2	4	10	5
	<b>VPD Subtotal</b>	13	12	10	13	39	47	36	69	56
<b>Vectorborne</b>	Babesiosis	-	-	-	-	-	-	-	-	-
	Chikungunya †	-	1	-	-	-	-	-	1	-
	Dengue Fever	-	-	-	-	-	-	-	-	-
	Ehrlichiosis	-	-	-	1	-	-	-	1	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	-	1	5	3	3	7	8	11	11
	Malaria	-	-	-	-	1	-	4	-	4
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	1	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	1	-	1
	West Nile Virus	-	-	-	-	-	1	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-	-
	Zika**	-	-	-	-	-	-	10	1	10
	<b>Vectorborne Subtotal</b>	-	2	5	4	4	9	23	14	26
<b>Viral Hepatitis</b>	Hepatitis A	-	-	-	-	-	-	-	1	-
	Hepatitis B, Acute	-	-	-	-	-	1	2	-	2
	Hepatitis B, Chronic	4	2	-	1	8	4	13	13	21
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute ~	-	-	1	-	-	1	2	1	2
	Hepatitis C, Chronic ~	12	7	11	14	39	52	80	92	113
	Hepatitis C, Perinatal ^	-	-	-	-	-	-	-	-	-
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	<b>Viral Hepatitis Subtotal</b>	16	9	12	15	47	58	97	107	138
<b>Total</b>		2,055	679	245	233	15,056	20,208	22,001	22,796	33,096

\* 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.

† All serotypes of invasive H. influenzae (Hi) disease are included, though only H. influenzae serotype b disease (Hib) is vaccine-preventable.

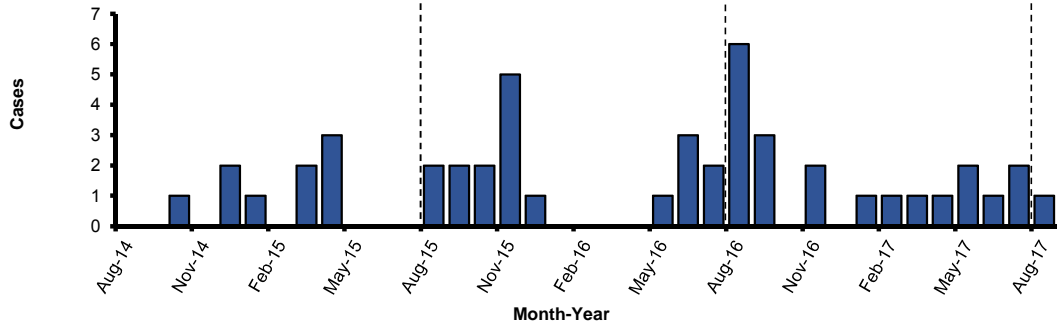
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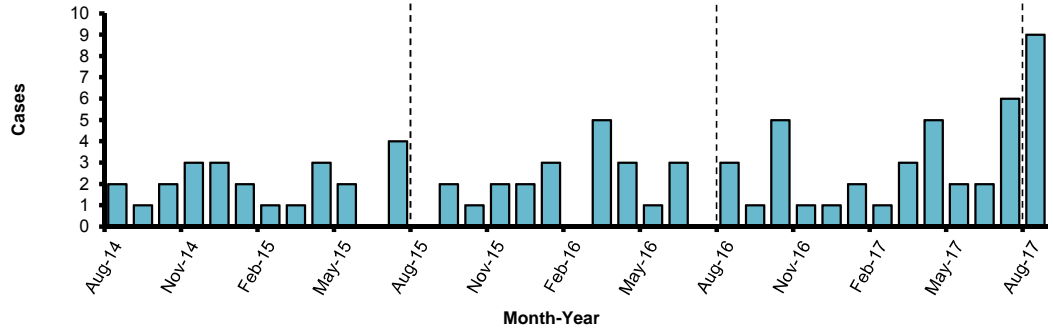
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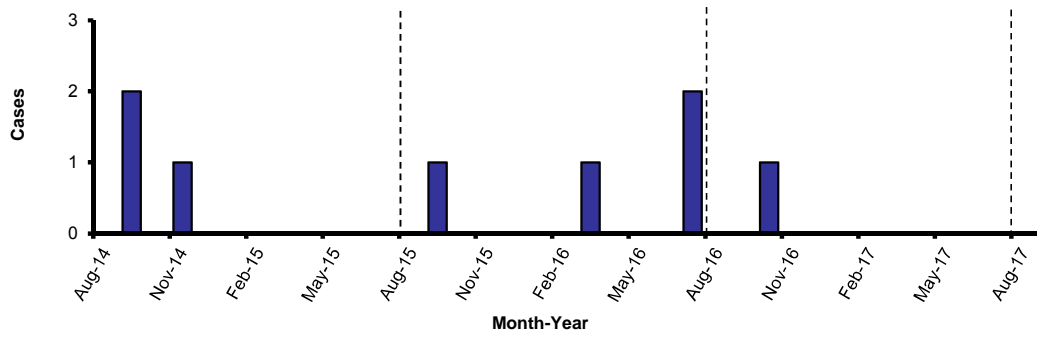
**Cryptosporidiosis Cases by Month  
August 2014 - August 2017**



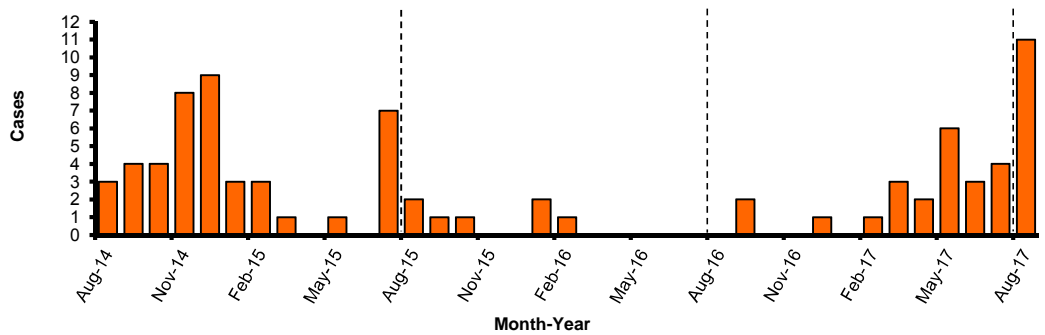
**Salmonellosis Cases by Month  
August 2014 - August 2017**



**Legionellosis Cases by Month  
August 2014 - August 2017**



**Pertussis Cases by Month  
August 2014 - August 2017**



# September 2017

Reportable conditions that are *italicized* have an accompanying graph at the end of the monthly section.

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Year Total Through September				Year End
		Jun-17	Jul-17	Aug-17	Sep-17	2014	2015	2016	2017	2016
<b>Foodborne</b>	Amebiasis	-	-	-	-	2	-	-	-	-
	Botulism - Foodborne	-	-	-	-	-	-	-	-	-
	Campylobacter	2	13	7	9	30	59	52	55	70
	Cryptosporidiosis	1	2	1	2	8	10	15	12	17
	Giardiasis	3	1	3	2	13	8	21	16	28
	Listeriosis	-	-	-	-	-	-	-	-	-
	Norovirus***	-	-	-	-	16	81	1	70	1
	Salmonellosis	2	6	9	6	26	15	19	36	26
	Shiga toxin-producing Escherichia coli --(STEC)	-	-	1	1	6	7	7	7	10
	Shigellosis	-	-	-	-	1	8	4	23	5
	Typhoid Fever	-	-	-	-	-	-	-	-	-
	Yersinia enterocolitica	-	-	-	-	2	1	1	1	1
	<b>Foodborne Subtotal</b>	<b>8</b>	<b>22</b>	<b>21</b>	<b>20</b>	<b>104</b>	<b>189</b>	<b>120</b>	<b>220</b>	<b>158</b>
<b>Influenza</b>	Flu Like Disease* ***	542	102	88	2,079	17,176	20,724	22,989	23,708	31,669
	Influenza	-	-	-	-	14	4	2	-	4
	Influenza, Novel	-	-	-	-	-	-	-	-	-
	<b>Influenza Subtotal</b>	<b>542</b>	<b>102</b>	<b>88</b>	<b>2,079</b>	<b>17,190</b>	<b>20,728</b>	<b>22,991</b>	<b>23,708</b>	<b>31,673</b>
<b>Meningitis</b>	<i>Meningitis - Aseptic</i>	1	3	1	2	18	15	14	9	21
	Meningitis - Bacterial Other	-	-	-	-	4	5	4	-	6
	Meningococcal Disease	-	-	-	-	-	-	-	-	1
	Streptococcus pneumoniae, Inv	1	-	-	-	10	9	8	8	12
	<b>Meningitis Subtotal</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>32</b>	<b>29</b>	<b>26</b>	<b>17</b>	<b>40</b>
<b>Other</b>	Anthrax	-	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	-	2	-	1	-	1
	Botulism - Infant	-	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	-	-	-	-
	CRE ^	-	-	-	-	-	-	-	-	-
	Candida auris ^	-	-	-	-	-	-	-	-	-
	Cholera	-	-	-	-	-	-	-	-	-
	<i>Coccidioidomycosis</i>	-	1	-	-	3	1	1	1	1
	Creutzfeldt-Jakob Disease	-	-	-	-	-	-	1	-	1
	Cryptococcosis	-	-	-	-	-	-	-	-	-
	Cyclosporiasis	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	-	-	-	1	-	1
	Encephalitis, Primary	-	-	-	-	-	-	-	-	-
	Guillain-Barre Syndrome	-	-	1	-	-	1	-	1	1
	Hantavirus	-	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	-	-	-	-	-	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	-	-	-	-
	<i>Histoplasmosis</i>	2	-	2	-	5	10	4	7	5
	Kawasaki	-	-	-	-	1	1	-	1	-
	Legionellosis	-	-	-	-	3	1	3	-	4
	Leprosy	-	-	-	-	-	-	-	-	-
	Leptospirosis	-	-	-	-	-	-	-	-	-
	Melioidosis	-	-	-	-	-	-	-	-	-
	Novel Coronavirus **	-	-	-	-	-	-	-	-	-
	Plague	-	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	-	-
	Q Fever Acute	-	-	-	-	-	-	1	-	1
	Q Fever Chronic	-	-	-	-	-	-	-	-	-
	Rabies Animal	-	-	-	-	-	1	1	-	1
	Rabies Human	-	-	-	-	-	-	-	-	-
	Reye Syndrome	-	-	-	-	-	-	-	-	-
	Rheumatic Fever	-	-	-	-	-	-	-	-	-
	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	-	-	-	1	-	-	1	1
	Streptococcal Dis, Inv, Grp A	-	1	-	-	8	10	10	14	14
	Streptococcal Toxic Shock	-	-	-	-	-	-	1	-	1

Reportable conditions that are *italicized* have an accompanying graph at the end of the monthly section.

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Year Total Through September				Year End
		Jun-17	Jul-17	Aug-17	Sep-17	2014	2015	2016	2017	2016
<b>Other</b>	Toxic Shock	-	-	-	-	-	-	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	1	-	-	-	2	-	-	1	-
	VISA	-	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
	<b>Other Subtotal</b>	3	2	3	-	25	25	24	26	32
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	85	78	79	78	542	593	648	716	849
	Gonorrhea	14	9	9	7	60	62	73	98	110
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Primary & Secondary Syphilis	-	-	-	-	1	4	5	-	5
	All Syphilis	2	1	-	-	3	5	9	4	13
	<b>STD Subtotal</b>	101	88	88	85	605	660	730	818	972
<b>Tuberculosis</b>	Latent Tuberculosis Infection ^	-	-	-	-	-	-	-	-	-
	Nontuberculous Mycobacterium ^	-	1	-	1	-	-	1	2	1
	Tuberculosis	-	-	-	-	3	1	-	2	-
	<b>Tuberculosis Subtotal</b>	-	1	-	1	3	1	1	4	1
<b>VPD</b>	Chickenpox (Varicella)	-	2	-	-	15	11	20	10	26
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv. †	1	-	-	-	2	5	3	3	3
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	1	-	-	-	-	-	1	3	1
	Pertussis	3	4	11	-	20	18	5	30	6
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	4	4	1	3	10	16	8	16	15
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	3	-	1	-	-	2	4	10	5
	<b>VPD Subtotal</b>	12	10	13	3	47	52	41	72	56
<b>Vectorborne</b>	Babesiosis	-	-	-	-	-	-	-	-	-
	Chikungunya †	1	-	-	-	-	-	-	1	-
	Dengue Fever	-	-	-	-	-	1	-	-	-
	Ehrlichiosis	-	-	1	-	-	-	-	1	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	1	5	3	-	3	8	9	11	11
	Malaria	-	-	-	-	1	-	4	-	4
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	1	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	1	-	1
	West Nile Virus	-	-	-	-	-	1	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-	-
	Zika**	-	-	-	-	-	-	10	1	10
	<b>Vectorborne Subtotal</b>	2	5	4	-	4	11	24	14	26
<b>Viral Hepatitis</b>	Hepatitis A	-	-	-	1	-	-	-	2	-
	Hepatitis B, Acute	-	-	-	-	-	1	2	-	2
	Hepatitis B, Chronic	2	-	1	1	9	6	14	14	21
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute ~	-	1	-	1	1	1	2	2	2
	Hepatitis C, Chronic ~	7	11	14	8	41	60	83	100	113
	Hepatitis C, Perinatal ^	-	-	-	-	-	-	-	-	-
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	<b>Viral Hepatitis Subtotal</b>	9	12	15	11	51	68	101	118	138
<b>Total</b>		679	245	233	2,201	18,061	21,763	24,058	24,997	33,096

\* 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.

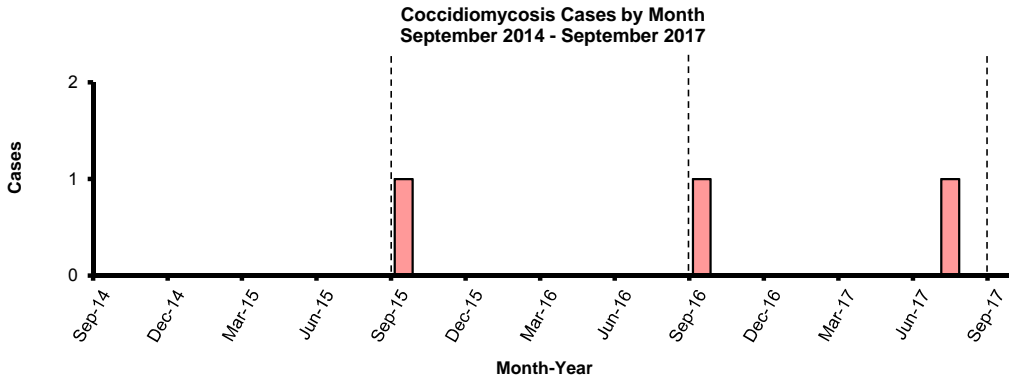
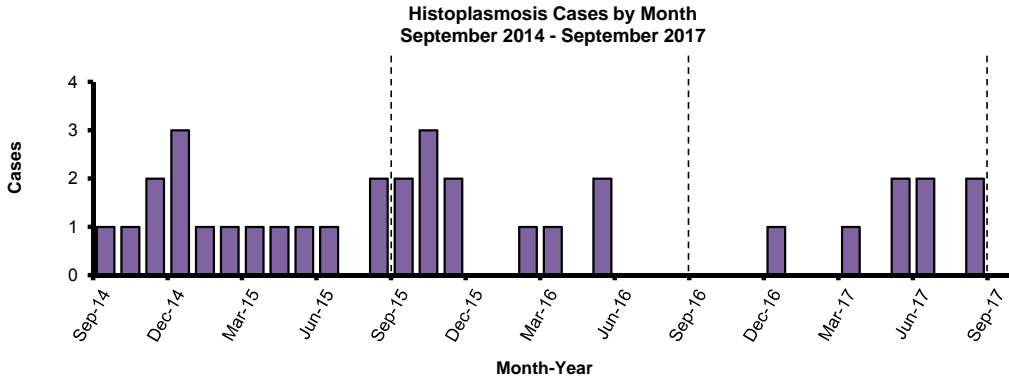
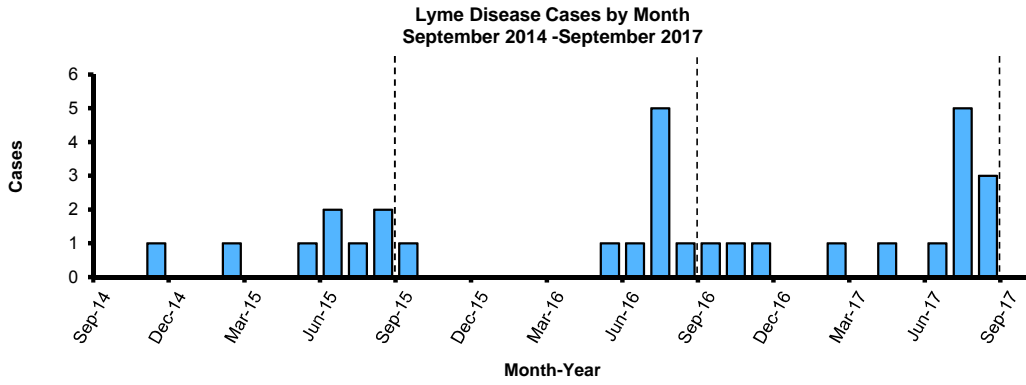
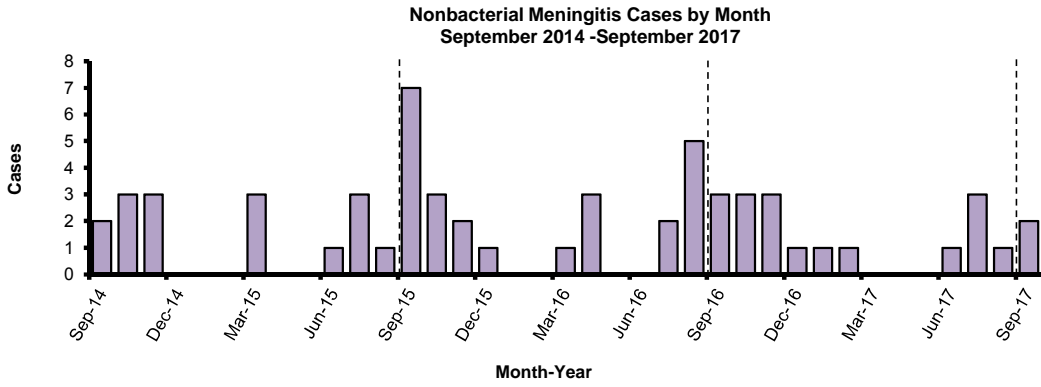
† All serotypes of invasive H. influenzae (Hi) disease are included, though only H. influenzae serotype b disease (Hib) is vaccine-preventable.

~ Indicates a change in the case definition for 2016, which may increase the number of confirmed and probable cases.

+ Indicates disease added in 2015.

++ Indicates disease added in 2016.

^ Indicates disease added in late 2017.



## October 2017

Reportable conditions that are *italicized* have an accompanying graph at the end of the monthly section.

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Year Total Through October				Year End
		Jul-17	Aug-17	Sep-17	Oct-17	2014	2015	2016	2017	2016
<b>Foodborne</b>	Amebiasis	-	-	-	-	2	-	-	-	-
	Botulism - Foodborne	-	-	-	-	-	-	-	-	-
	Campylobacter	13	7	9	4	38	62	58	59	70
	Cryptosporidiosis	2	1	2	5	9	12	15	17	17
	Giardiasis	1	3	2	1	15	9	25	17	28
	Listeriosis	-	-	-	-	-	-	-	-	-
	Norovirus***	-	-	-	-	16	81	1	70	1
	Salmonellosis	6	9	6	3	28	16	24	39	26
	Shiga toxin-producing Escherichia coli --(STEC)	-	1	1	1	8	8	8	8	10
	Shigellosis	-	-	-	-	1	9	4	23	5
	Typhoid Fever	-	-	-	-	-	-	-	-	-
	Yersinia enteritis	-	-	-	-	2	1	1	1	1
	<b>Foodborne Subtotal</b>		22	21	20	14	119	198	136	234
<b>Influenza</b>	<i>Flu Like Disease* ***</i>	102	88	2,079	2,752	22,154	24,357	26,233	26,460	31,669
	Influenza	-	-	-	-	15	4	3	-	4
	Influenza, Novel	-	-	-	-	-	-	-	-	-
	<b>Influenza Subtotal</b>	102	88	2,079	2,752	22,169	24,361	26,236	26,460	31,673
<b>Meningitis</b>	Meningitis - Aseptic	3	1	2	-	21	18	17	9	21
	Meningitis - Bacterial Other	-	-	-	-	4	6	4	-	6
	<i>Meningococcal Disease</i>	-	-	-	-	-	-	1	-	1
	Streptococcus pneumoniae, Inv	-	-	-	1	11	10	10	9	12
	<b>Meningitis Subtotal</b>	3	1	2	1	36	34	32	18	40
<b>Other</b>	Anthrax	-	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	-	2	-	1	-	1
	Botulism - Infant	-	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	-	-	-	-
	CRE ^	-	-	-	-	-	-	-	-	-
	Candida auris ^	-	-	-	-	-	-	-	-	-
	Cholera	-	-	-	-	-	-	-	-	-
	Coccidioidomycosis	1	-	-	-	3	1	1	1	1
	Creutzfeldt-Jakob Disease	-	-	-	-	-	-	1	-	1
	Cryptococcosis	-	-	-	-	-	1	-	-	-
	Cyclosporiasis	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	-	-	-	1	-	1
	Encephalitis, Primary	-	-	-	-	-	-	-	-	-
	Guillain-Barre Syndrome	-	1	-	-	-	1	-	1	1
	Hantavirus	-	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	-	-	-	-	-	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	-	-	-	-
	Histoplasmosis	-	2	-	1	6	13	4	8	5
	Kawasaki	-	-	-	-	1	1	-	1	-
	Legionellosis	-	-	-	-	3	1	4	-	4
	Leprosy	-	-	-	-	-	-	-	-	-
	Leptospirosis	-	-	-	-	-	-	-	-	-
	Melioidosis	-	-	-	-	-	-	-	-	-
	Novel Coronavirus **	-	-	-	-	-	-	-	-	-
	Plague	-	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	-	-
	Q Fever Acute	-	-	-	-	-	-	1	-	1
	Q Fever Chronic	-	-	-	-	-	-	-	-	-
	<i>Rabies Animal</i>	-	-	-	-	-	2	1	-	1
	Rabies Human	-	-	-	-	-	-	-	-	-
	Reye Syndrome	-	-	-	-	-	-	-	-	-
Rheumatic Fever	-	-	-	-	-	-	-	-	-	
Rubella - Congenital	-	-	-	-	-	-	-	-	-	
Streptococcus pneumoniae, Drug Resistant	-	-	-	1	1	-	-	2	1	
Streptococcal Dis, Inv, Grp A	1	-	-	-	8	11	11	14	14	
Streptococcal Toxic Shock	-	-	-	-	-	-	1	-	1	

Reportable conditions that are *italicized* have an accompanying graph at the end of the monthly section.

Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Year Total Through October				Year End
		Jul-17	Aug-17	Sep-17	Oct-17	2014	2015	2016	2017	2016
<b>Other</b>	Toxic Shock	-	-	-	-	-	-	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	2	-	-	1	-
	VISA	-	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
	<b>Other Subtotal</b>	2	3	-	2	26	31	26	28	32
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	78	79	78	91	605	690	718	807	849
	Gonorrhea	9	9	7	13	69	69	86	111	110
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Primary & Secondary Syphilis	-	-	-	-	2	4	5	-	5
	All Syphilis	1	-	-	-	5	7	11	4	13
	<b>STD Subtotal</b>	88	88	85	104	679	766	815	922	972
<b>Tuberculosis</b>	Latent Tuberculosis Infection ^	-	-	-	1	-	-	-	1	-
	Nontuberculous Mycobacterium ^	1	-	1	-	-	-	1	2	1
	Tuberculosis	-	-	-	1	3	2	-	3	-
	<b>Tuberculosis Subtotal</b>	1	-	1	2	3	2	1	6	1
<b>VPD</b>	<i>Chickenpox (Varicella)</i>	2	-	-	-	18	13	21	10	26
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv. †	-	-	-	-	3	6	3	3	3
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	1	3	1
	Pertussis	4	11	-	1	24	19	5	31	6
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	4	1	3	1	10	19	14	17	15
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	1	-	2	2	2	4	12	5
	<b>VPD Subtotal</b>	10	13	3	4	57	59	48	76	56
<b>Vectorborne</b>	Babesiosis	-	-	-	-	-	-	-	-	-
	Chikungunya †	-	-	-	-	-	-	-	1	-
	Dengue Fever	-	-	-	-	-	1	-	-	-
	Ehrlichiosis	-	1	-	-	-	-	-	1	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	5	3	-	2	3	8	10	13	11
	Malaria	-	-	-	-	1	-	4	-	4
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	1	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	1	-	1
	West Nile Virus	-	-	-	-	-	1	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-	-
	Zika ††	-	-	-	1	-	-	10	2	10
	<b>Vectorborne Subtotal</b>	5	4	-	3	4	11	25	17	26
<b>Viral Hepatitis</b>	Hepatitis A	-	-	1	-	-	-	-	2	-
	Hepatitis B, Acute	-	-	-	-	-	1	2	-	2
	Hepatitis B, Chronic	-	1	1	1	9	10	16	15	21
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute ~	1	-	1	-	1	1	2	2	2
	Hepatitis C, Chronic ~	11	14	8	11	48	63	90	111	113
	Hepatitis C, Perinatal ^	-	-	-	-	-	-	-	-	-
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	<b>Viral Hepatitis Subtotal</b>	12	15	11	12	58	75	110	130	138
<b>Total</b>		245	233	2,201	2,894	23,151	25,537	27,429	27,891	33,096

\* 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.

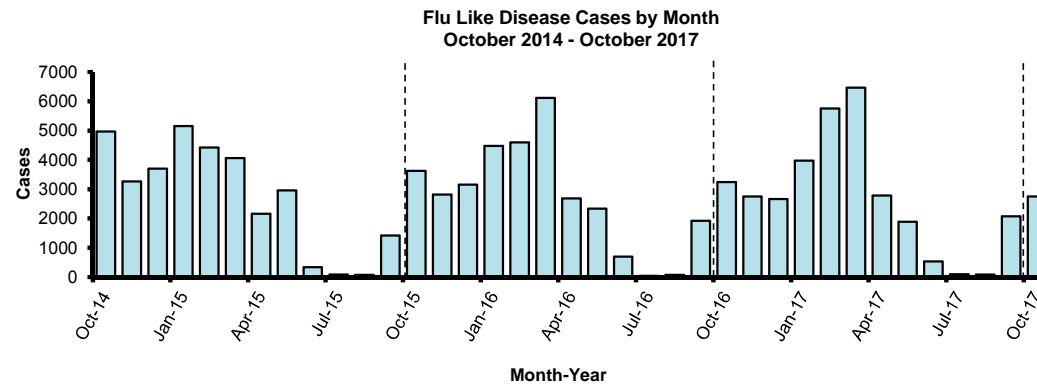
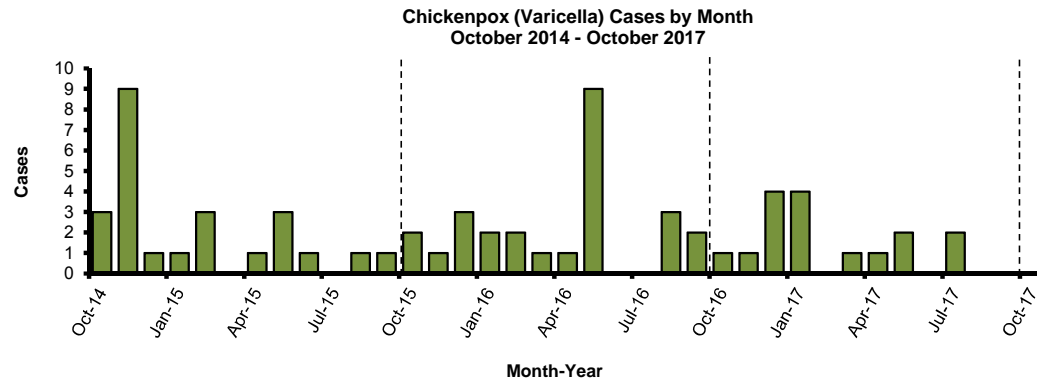
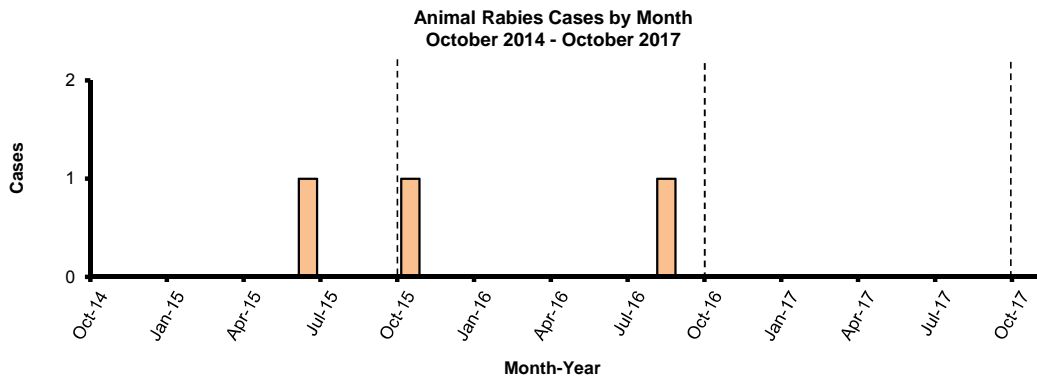
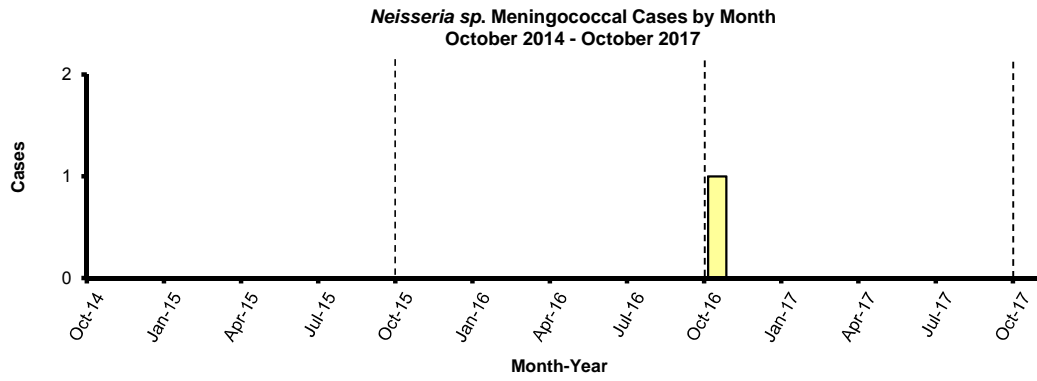
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+ Indicates disease added in 2015.

†† Indicates disease added in 2016.

^ Indicates disease added in late 2017.





## November 2017

Reportable conditions that are <i>italicized</i> have an accompanying graph at the end of the monthly section.										
Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Year Total Through November				Year End
		Aug-17	Sep-17	Oct-17	Nov-17	2014	2015	2016	2017	2016
<b>Foodborne</b>	Amebiasis	-	-	-	-	3	-	-	-	-
	Botulism - Foodborne	-	-	-	-	-	-	-	-	-
	Campylobacter	7	9	4	6	42	65	64	65	70
	Cryptosporidiosis	1	2	5	1	9	17	17	18	17
	Giardiasis	3	2	1	-	16	9	27	17	28
	Listeriosis	-	-	-	-	-	-	-	-	-
	Norovirus***	-	-	-	-	19	81	1	70	1
	Salmonellosis	9	6	3	1	31	18	25	40	26
	Shiga toxin-producing Escherichia coli --(STEC)	1	1	1	-	8	9	9	8	10
	Shigellosis	-	-	-	-	2	17	5	23	5
	Typhoid Fever	-	-	-	-	-	-	-	-	-
	Yersinia enterocolitica	-	-	-	-	2	1	1	1	1
	<b>Foodborne Subtotal</b>	21	20	14	8	132	217	149	242	158
<b>Influenza</b>	<i>Flu Like Disease* ***</i>	88	2,079	2,752	2,677	25,427	27,176	28,995	29,137	31,669
	Influenza	-	-	-	-	16	4	3	-	4
	Influenza, Novel	-	-	-	-	-	-	-	-	-
	<b>Influenza Subtotal</b>	88	2,079	2,752	2,677	25,443	27,180	28,998	29,137	31,673
<b>Meningitis</b>	Meningitis - Aseptic	1	2	-	4	24	20	20	13	21
	Meningitis - Bacterial Other	-	-	-	1	4	6	4	1	6
	Meningococcal Disease	-	-	-	-	-	-	1	-	1
	Streptococcus pneumoniae, Inv	-	-	1	4	13	11	11	13	12
	<b>Meningitis Subtotal</b>	1	2	1	9	41	37	36	27	40
<b>Other</b>	Anthrax	-	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	-	2	-	1	-	1
	Botulism - Infant	-	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	-	-	-	-
	CRE ^	-	-	-	-	-	-	-	-	-
	Candida auris ^	-	-	-	-	-	-	-	-	-
	Cholera	-	-	-	-	-	-	-	-	-
	Coccidioidomycosis	-	-	-	-	3	1	1	1	1
	Creutzfeldt-Jakob Disease	-	-	-	-	-	-	1	-	1
	Cryptococcosis	-	-	-	-	-	1	-	-	-
	Cyclosporiasis	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	-	-	-	1	-	1
	Encephalitis, Primary	-	-	-	-	-	-	-	-	-
	Guillain-Barre Syndrome	1	-	-	-	-	1	1	1	1
	Hantavirus	-	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	-	-	-	-	-	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	-	-	-	-
	Histoplasmosis	2	-	1	-	8	15	4	8	5
	Kawasaki	-	-	-	-	1	1	-	1	-
	Legionellosis	-	-	-	-	4	1	4	-	4
	Leprosy	-	-	-	-	-	-	-	-	-
	Leptospirosis	-	-	-	-	-	-	-	-	-
	Melioidosis	-	-	-	-	-	-	-	-	-
	Novel Coronavirus **	-	-	-	-	-	-	-	-	-
	Plague	-	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	-	-
	Q Fever Acute	-	-	-	-	-	-	1	-	1
	Q Fever Chronic	-	-	-	-	-	-	-	-	-
	Rabies Animal	-	-	-	-	-	2	1	-	1
	Rabies Human	-	-	-	-	-	-	-	-	-
	Reye Syndrome	-	-	-	-	-	-	-	-	-
	Rheumatic Fever	-	-	-	-	-	-	-	-	-
	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	-	1	2	1	-	1	4	1
	Streptococcal Dis, Inv, Grp A	-	-	-	1	8	12	12	15	14
	Streptococcal Toxic Shock	-	-	-	-	-	-	1	-	1

Reportable conditions that are <i>italicized</i> have an accompanying graph at the end of the monthly section.										
Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Year Total Through November				Year End
		Aug-17	Sep-17	Oct-17	Nov-17	2014	2015	2016	2017	2016
<b>Other</b>	Toxic Shock	-	-	-	-	-	-	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	2	-	-	1	-
	VISA	-	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
	<b>Other Subtotal</b>	3	-	2	3	29	34	29	31	32
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	79	78	91	101	656	767	783	908	849
	Gonorrhoea	9	7	13	16	78	79	97	127	110
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	<i>Primary &amp; Secondary Syphilis</i>	-	-	-	1	4	4	5	1	5
	All Syphilis	-	-	-	1	7	8	12	5	13
	<b>STD Subtotal</b>	88	85	104	118	741	854	892	1,040	972
<b>Tuberculosis</b>	Latent Tuberculosis Infection ^	-	-	1	-	-	-	-	1	-
	Nontuberculous Mycobacterium ^	-	1	-	-	-	-	1	2	1
	Tuberculosis	-	-	1	-	3	2	-	3	-
	<b>Tuberculosis Subtotal</b>	-	1	2	-	3	2	1	6	1
<b>VPD</b>	Chickenpox (Varicella)	-	-	-	-	27	14	22	10	26
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv. †	-	-	-	-	3	7	3	3	3
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	1	-	-	1	4	1
	Pertussis	11	-	1	-	32	19	5	31	6
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	1	3	1	-	10	21	15	17	15
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	1	-	2	2	2	2	5	14	5
	<b>VPD Subtotal</b>	13	3	4	3	74	63	51	79	56
<b>Vectorborne</b>	Babesiosis	-	-	-	-	-	-	-	-	-
	Chikungunya †	-	-	-	-	-	-	-	1	-
	Dengue Fever	-	-	-	-	-	1	-	-	-
	Ehrlichiosis	1	-	-	-	-	-	-	1	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	3	-	2	-	4	8	11	13	11
	Malaria	-	-	-	-	1	-	4	-	4
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	1	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	1	-	1
	West Nile Virus	-	-	-	-	-	1	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-	-
	Zika**	-	-	1	-	-	-	10	2	10
	<b>Vectorborne Subtotal</b>	4	-	3	-	5	11	26	17	26
<b>Viral Hepatitis</b>	<i>Hepatitis A</i>	-	1	-	-	-	-	-	2	-
	<i>Hepatitis B, Acute</i>	-	-	-	-	-	2	2	-	2
	Hepatitis B, Chronic	1	1	1	3	10	11	18	18	21
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute ~	-	1	-	-	1	1	2	2	2
	Hepatitis C, Chronic ~	14	8	11	10	55	69	98	121	113
	Hepatitis C, Perinatal ^	-	-	-	-	-	-	-	-	-
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	<b>Viral Hepatitis Subtotal</b>	15	11	12	13	66	83	120	143	138
<b>Total</b>		233	2,201	2,894	2,831	26,534	28,481	30,302	30,722	33,096

\* 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.

† All serotypes of invasive H. influenzae (Hi) disease are included, though only H. influenzae serotype b disease (Hib) is vaccine-preventable.

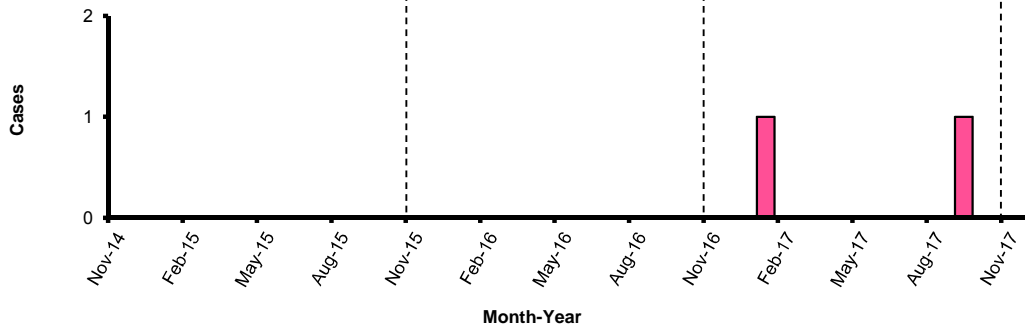
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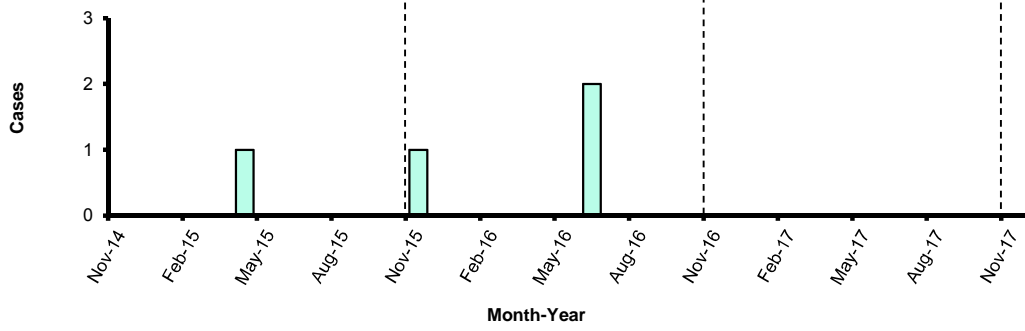
\*\* Indicates disease added in 2016.

^ Indicates disease added in late 2017.

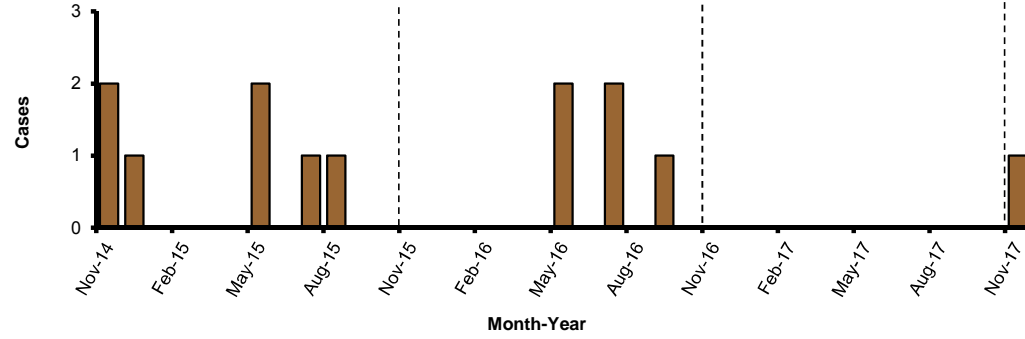
**Hepatitis A Cases by Month**  
November 2014 - November 2017



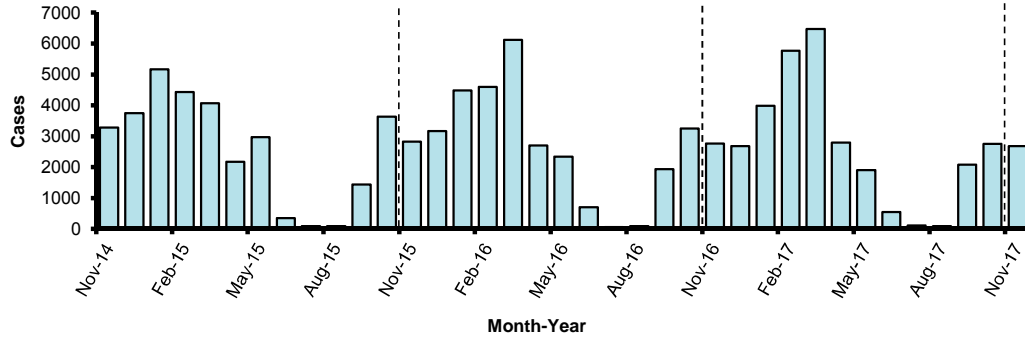
**Acute Hepatitis B Cases by Month**  
November 2014 - November 2017



**Primary & Secondary Syphilis Cases by Month**  
November 2014 - November 2017



**Flu-Like Disease Cases by Month**  
November 2014 - November 2017



## December 2017

Reportable conditions that are <i>italicized</i> have an accompanying graph at the end of the monthly section.										
Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Year Total Through December				Year End
		Sep-17	Oct-17	Nov-17	Dec-17	2014	2015	2016	2017	2016
<b>Foodborne</b>	Amebiasis	-	-	-	-	3	-	-	-	-
	Botulism - Foodborne	-	-	-	-	-	-	-	-	-
	Campylobacter	9	4	6	1	45	71	70	66	70
	Cryptosporidiosis	2	5	1	1	11	18	17	19	17
	Giardiasis	2	1	-	-	17	9	28	17	28
	Listeriosis	-	-	-	-	-	-	-	-	-
	Norovirus***	-	-	-	-	20	81	1	70	1
	Salmonellosis	6	3	1	3	34	20	26	43	26
	Shiga toxin-producing Escherichia coli --(STEC)	1	1	-	-	8	9	10	8	10
	Shigellosis	-	-	-	-	3	19	5	23	5
	Typhoid Fever	-	-	-	-	-	-	-	-	-
	Yersinia enteritis	-	-	-	-	2	1	1	1	1
	<b>Foodborne Subtotal</b>	20	14	8	5	143	228	158	247	158
<b>Influenza</b>	<i>Flu Like Disease* ***</i>	2,079	2,752	2,677	3,787	29,139	30,342	31,669	32,924	31,669
	Influenza	-	-	-	2	48	4	4	2	4
	Influenza, Novel	-	-	-	-	-	-	-	-	-
	<b>Influenza Subtotal</b>	2,079	2,752	2,677	3,789	29,187	30,346	31,673	32,926	31,673
<b>Meningitis</b>	Meningitis - Aseptic	2	-	4	2	24	21	21	15	21
	Meningitis - Bacterial Other	-	-	1	-	5	6	6	1	6
	Meningococcal Disease	-	-	-	-	-	-	1	-	1
	Streptococcus pneumoniae, Inv	-	1	4	3	15	13	12	16	12
	<b>Meningitis Subtotal</b>	2	1	9	5	44	40	40	32	40
<b>Other</b>	Anthrax	-	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	-	2	-	1	-	1
	Botulism - Infant	-	-	-	-	-	-	-	-	-
	Botulism - Other	-	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	-	-	-	-
	CRE ^	-	-	-	-	-	-	-	-	-
	Candida auris ^	-	-	-	-	-	-	-	-	-
	Cholera	-	-	-	-	-	-	-	-	-
	Coccidioidomycosis	-	-	-	1	3	1	1	2	1
	Creutzfeldt-Jakob Disease	-	-	-	-	-	-	1	-	1
	Cryptococcosis	-	-	-	-	-	1	-	-	-
	Cyclosporiasis	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	-	-	-	-	-	-	1	-	1
	Encephalitis, Primary	-	-	-	-	1	-	-	-	-
	Guillain-Barre Syndrome	-	-	-	1	-	1	1	2	1
	Hantavirus	-	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome	-	-	-	-	-	-	-	-	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-	-
	Hepatitis - Unspecified	-	-	-	-	-	-	-	-	-
	Histoplasmosis	-	1	-	-	11	15	5	8	5
	Kawasaki	-	-	-	-	1	2	-	1	-
	Legionellosis	-	-	-	-	4	1	4	-	4
	Leprosy	-	-	-	-	-	-	-	-	-
	Leptospirosis	-	-	-	-	-	-	-	-	-
	Melioidosis	-	-	-	-	-	-	-	-	-
	Novel Coronavirus **	-	-	-	-	-	-	-	-	-
	Plague	-	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	-	-
	Q Fever Acute	-	-	-	-	-	-	1	-	1
	Q Fever Chronic	-	-	-	-	-	-	-	-	-
	Rabies Animal	-	-	-	-	-	2	1	-	1
	Rabies Human	-	-	-	-	-	-	-	-	-
	Reye Syndrome	-	-	-	-	-	-	-	-	-
	Rheumatic Fever	-	-	-	-	-	-	-	-	-
	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	1	2	-	1	-	1	4	1
	Streptococcal Dis, Inv, Grp A	-	-	1	2	9	13	14	17	14
	Streptococcal Toxic Shock	-	-	-	-	-	-	1	-	1

Reportable conditions that are <i>italicized</i> have an accompanying graph at the end of the monthly section.										
Disease Group	Reportable Condition	Cases Reported in Last 4 Months**				Year Total Through December				Year End
		Sep-17	Oct-17	Nov-17	Dec-17	2014	2015	2016	2017	2016
<b>Other</b>	Toxic Shock	-	-	-	-	-	-	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis - Non Cholera	-	-	-	-	2	-	-	1	-
	VISA	-	-	-	-	-	-	-	-	-
	VRSA	-	-	-	-	-	-	-	-	-
	<b>Other Subtotal</b>	-	2	3	4	34	36	32	35	32
<b>STD</b>	Chancroid	-	-	-	-	-	-	-	-	-
	<i>Chlamydia (Genital)</i>	78	91	101	69	712	857	849	977	849
	Gonorrhea	7	13	16	12	81	82	110	139	110
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Primary & Secondary Syphilis	-	-	1	-	5	4	5	1	5
	All Syphilis	-	-	1	1	8	10	13	6	13
	<b>STD Subtotal</b>	85	104	118	82	801	949	972	1,122	972
<b>Tuberculosis</b>	Latent Tuberculosis Infection ^	-	1	-	1	-	-	-	2	-
	Nontuberculous Mycobacterium ^	1	-	-	-	-	-	1	2	1
	Tuberculosis	-	1	-	-	3	2	-	3	-
	<b>Tuberculosis Subtotal</b>	1	2	-	1	3	2	1	7	1
<b>VPD</b>	Chickenpox (Varicella)	-	-	-	4	28	17	26	14	26
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv. †	-	-	-	-	3	7	3	3	3
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	1	-	-	-	1	4	1
	Pertussis	-	1	-	-	41	19	6	31	6
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	-	-	-	-	-	-	-	-
	Shingles	3	1	-	-	10	23	15	17	15
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	2	2	1	2	2	5	15	5
	<b>VPD Subtotal</b>	3	4	3	5	84	68	56	84	56
<b>Vectorborne</b>	Babesiosis	-	-	-	-	-	-	-	-	-
	Chikungunya +	-	-	-	-	-	-	-	1	-
	Dengue Fever	-	-	-	-	-	1	-	-	-
	Ehrlichiosis	-	-	-	-	-	-	-	1	-
	Encephalitis, California	-	-	-	-	-	-	-	-	-
	Encephalitis, Eastern Equine	-	-	-	-	-	-	-	-	-
	Encephalitis, Powassan	-	-	-	-	-	-	-	-	-
	Encephalitis, St. Louis	-	-	-	-	-	-	-	-	-
	Encephalitis, Western Equine	-	-	-	-	-	-	-	-	-
	Lyme Disease	-	2	-	-	4	8	11	13	11
	Malaria	-	-	-	-	1	-	4	-	4
	Rickettsial Disease - Spotted Fever	-	-	-	-	-	1	-	-	-
	Rickettsial Disease - Typhus	-	-	-	-	-	-	1	-	1
	West Nile Virus	-	-	-	-	-	1	-	-	-
	Yellow Fever	-	-	-	-	-	-	-	-	-
	<i>Zika</i> **	-	1	-	-	-	-	10	2	10
	<b>Vectorborne Subtotal</b>	-	3	-	-	5	11	26	17	26
<b>Viral Hepatitis</b>	Hepatitis A	1	-	-	-	-	-	-	2	-
	Hepatitis B, Acute	-	-	-	-	-	2	2	-	2
	Hepatitis B, Chronic	1	1	3	1	10	12	21	19	21
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute ~	1	-	-	-	1	1	2	2	2
	<i>Hepatitis C, Chronic</i> ~	8	11	10	9	59	78	113	130	113
	Hepatitis C, Perinatal ^	-	-	-	-	-	-	-	-	-
	Hepatitis C, Unknown*	-	-	-	-	-	-	-	-	-
	Hepatitis D	-	-	-	-	-	-	-	-	-
	Hepatitis E	-	-	-	-	-	-	-	-	-
	Hepatitis Non A Non B	-	-	-	-	-	-	-	-	-
	<b>Viral Hepatitis Subtotal</b>	11	12	13	10	70	93	138	153	138
<b>Total</b>		2,201	2,894	2,831	3,901	30,371	31,773	33,096	34,623	33,096

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

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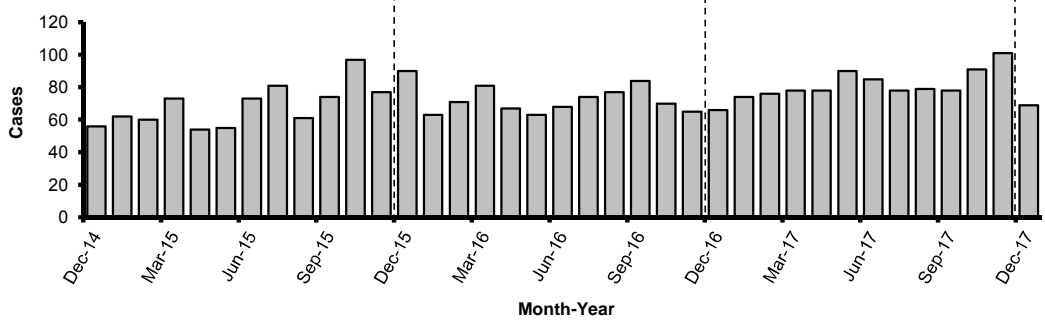
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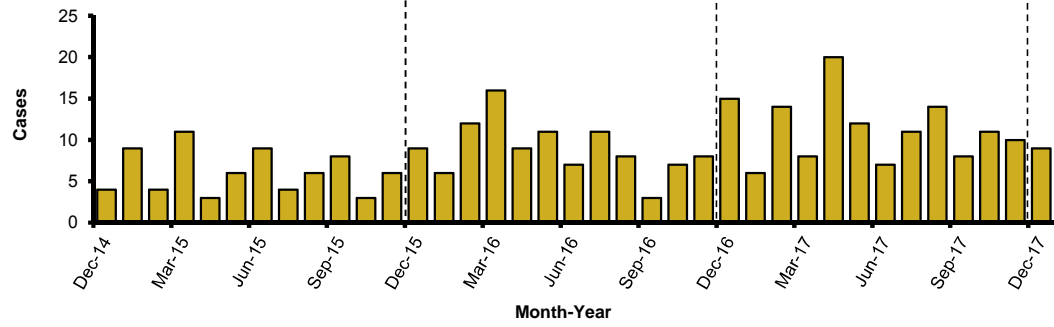
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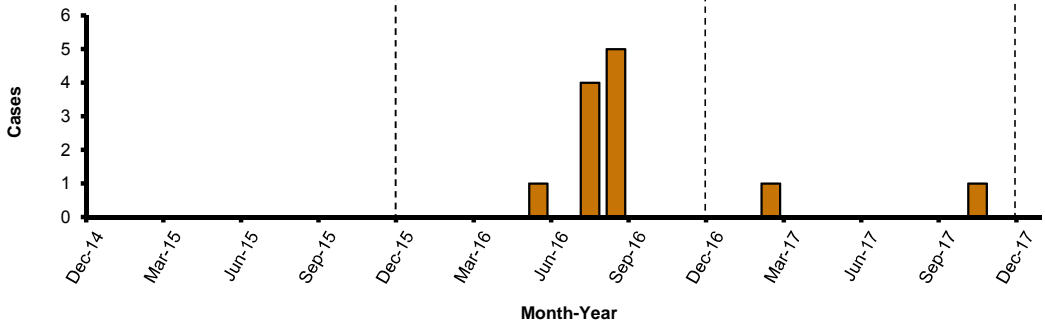
**Chlamydia Cases by Month**  
December 2014 - December 2017



**Chronic Hepatitis C Cases by Month**  
December 2014 - December 2017



**Zika Virus Cases by Month**  
December 2014 - December 2017



**Flu-Like Disease Cases by Month**  
December 2014 - December 2017

