

# Infectious Disease and Environmental Health Report: January – June, 2015

Part 1: Mandatory Reporting						
1a) Confirmed Cases of Mandatory Reportable Diseases						<b>Top 3 diseases for each disease category (Jan - June 2015):</b>  Respiratory/Direct Contact: 1. Influenza 2. Latent (non-infectious) tuberculosis 3. Invasive Streptococcus pneumoniae  Enteric, Foodborne & Waterborne: 1. Salmonellosis 2. Campylobacter enteritis 3. Giardiasis  Vectorborne and Zoonotic: 1. Malaria (travel-related) 2. Lyme disease (1 case with no travel) 3. n/a  Sexually Transmitted/Bloodborne: 1. Chlamydial infections 2. Hepatitis C 3. Gonorrhea  <sup>1</sup> See Part 4 below for a detailed explanation of the increase in institutional outbreaks observed between January and June, 2015
How It's Spread	2012	2013	2014	Jan-Jun 2015	Jul – Dec 2015	
Respiratory or Direct Contact	1246	961	1231	986	-	
Enteric, Foodborne & Waterborne	293	274	301	133	-	
Vectorborne and Zoonotic Diseases	35	24	11	5	-	
Sexually Transmitted & Bloodborne Infections	2100	1951	1899	975	-	
Other	31	24	35	< 5	-	
1b) Confirmed Outbreaks Reportable to Public Health						
Type of Outbreak	2012	2013	2014	Jan-Jun 2015	Jul – Dec 2015	
Community	15	2	8	0	-	
Institutional <sup>1</sup>	95	131	107	106	-	
Part 2: Environmental Health						
2a) Mandatory Program Services						
Programs	Areas	2012	2013	2014	Jan-Jun 2015	Jul – Dec 2015
Vectorborne Disease	Animal Bites <sup>2</sup>	1481	1348	1433	607	-
	Ticks Submitted <sup>3</sup>	88	373	146	289	-
Food	Special Events	62	67	76	32	-
	Food Handler Certifications	2485	2856	2696	1451	-
	Red Signs Posted <sup>4</sup>	n/a	n/a	26	12	-
Health Hazards	Heat Alerts	6	2	3	0	-
	Cold Alerts	3	7	13	8	-

For more detailed information please refer to the Technical Notes in Appendix B

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2b) Inspection and Enforcement						<p><sup>5</sup> Changes to the Smoke-Free Ontario Act (SFOA) in January 2015 resulted in increased inspections and enforcement for the Tobacco Enforcement group. Further regulatory changes to the SFOA and the introduction of the Electronic Cigarettes Act scheduled for January 1, 2016 are expected to result in increased inspections and enforcement.</p> <p><sup>6</sup> Food inspections are projected to be increased in 2015, compared to previous years, due to the Pan Am games in Hamilton.</p> <p><sup>7</sup> In Q3/Q4 2012, retirement home nursing inspections transitioned to the province and no longer required PHS Nurse inspections (due to the change in the Retirement Homes Act). PHS continues to inspect retirement homes for food safety and environmental conditions, so there are now fewer RCFs for nurses to inspect.</p> <p><sup>8</sup> In anticipation of the Pan Am games, routine day care inspections and re-inspections were completed.</p>
Categories	2012	2013	2014	Jan-Jun 2015	Jul – Dec 2015	
Smoke Free Ontario Act inspections (legal enforcement) <sup>5</sup>	1625	1823	1760	947	-	
City of Hamilton By-law #11-080 Prohibiting Smoking within City Owned Parks and Recreation Property	37	46	56	18	-	
Food <sup>6</sup>	6426	6326	6524	3476	-	
Water	715	811	885	417	-	
Residential Care Facilities <sup>7</sup>	663	576	567	323	-	
Personal Service Settings	979	851	946	418	-	
Day Cares <sup>8</sup>	475	491	558	316	-	
Other (e.g. funeral homes etc)	170	166	225	110	-	
Part 3: Workload						
3a) Complaints						<p><sup>9</sup> Tobacco Enforcement has experienced a reduction in the number of complaints received for the City of Hamilton By-law #11-080 during the past 18 months. The 2012/13 statistics reflect the time when the By-law was introduced. Since that time, all City parks and recreation properties have been signed, and cooperation between Public Health Services and other City departments and divisions (like Public Works, Culture, and Recreation) has increased to further educate and raise awareness about the By-law among staff and the public. Ongoing seasonal By-law communications have also been used to promote smoke-free City park and recreation properties.</p>
Categories	2012	2013	2014	Jan-Jun 2015	Jul – Dec 2015	
Smoke Free Ontario Act	285	242	241	214	-	
City of Hamilton By-law #11-080 Prohibiting Smoking within City Owned Parks and Recreation Property <sup>9</sup>	133	111	32	21	-	
Food	383	402	415	180	-	
Water	39	46	47	24	-	
Vectorborne Disease	16	52	6	3	-	
Infection Control	46	122	119	63	-	
Health Hazards	1128	1066	1250	559	-	

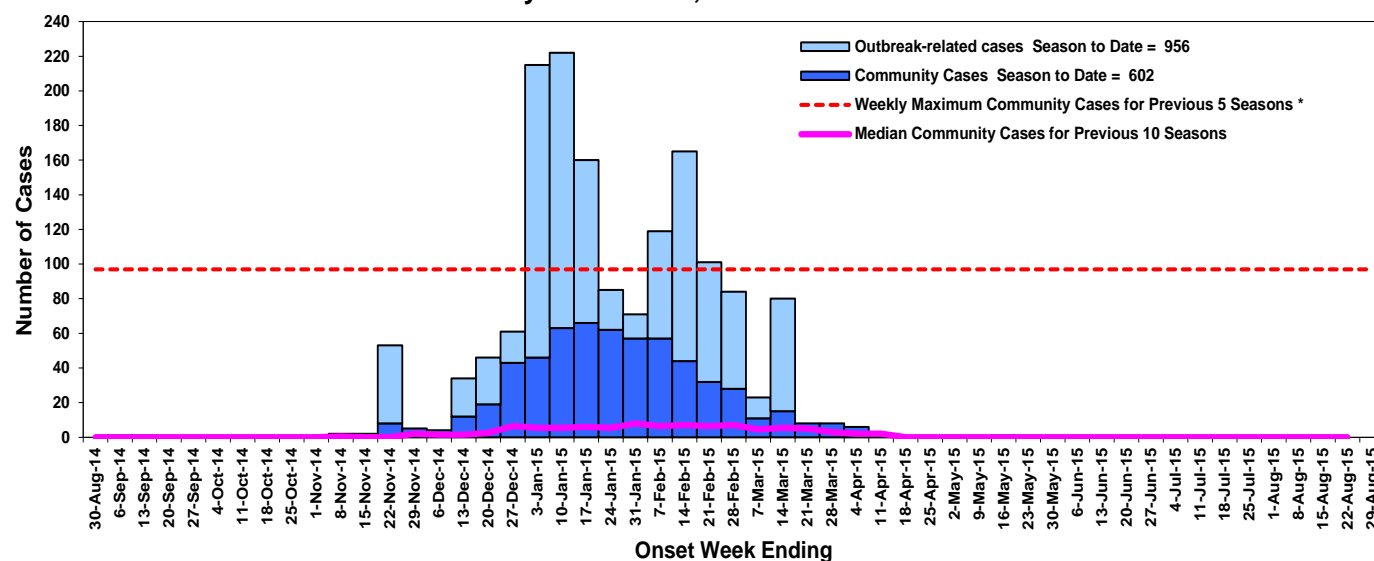
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3b) Education, Requests for Non-Routine Inspections, Consults, Referrals					
Categories	2012	2013	2014	Jan-Jun 2015	Jul – Dec 2015
Food <sup>10</sup>	293	311	378	229	-
Water	484	478	547	252	-
Vectorborne Disease	40	28	56	26	-
Infection Control	536	444	409	209	-
Health Hazard	286	316	234	115	-

<sup>10</sup> There was an increase in food trucks asking for inspections this year. This increase is likely due to preparation for the Pan Am games in Hamilton.

### Part 4: Unusual Occurrences

**Weekly reported community and institutional influenza A cases, City of Hamilton, 2014/15 season.**



**Data Source:** Ontario Ministry of Health and Long-Term Care, integrated Public Health Information System database. **Prepared by:** City of Hamilton Public Health Services **Data Extracted:** August 5, 2015.

<sup>1</sup> There was a large increase in respiratory disease and institutional outbreak activity this year due to influenza (A). This increase was due to a mismatch between the seasonal influenza vaccination and the strain of influenza that was circulating this past season.