



# 18 to 31 May, 2014 (weeks 21 & 22)

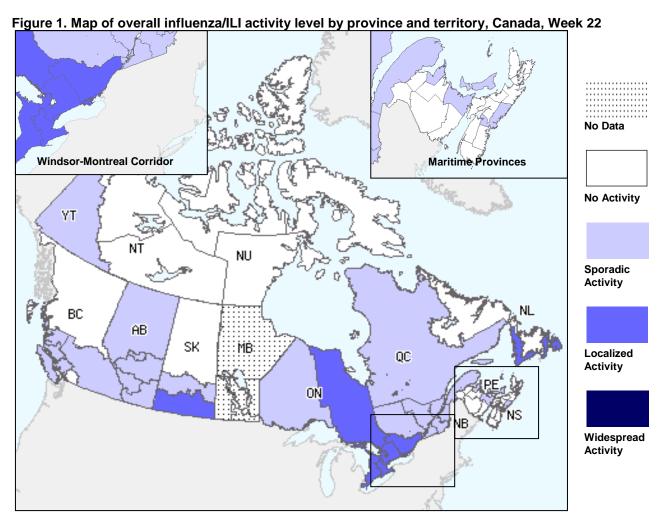
## **Overall Summary**

- In weeks 21 and 22, influenza activity in Canada continued to decline. Low-level circulation of influenza B continues to be reported, but activity remains within expected levels for this time of year.
- Influenza B is having a greater impact on adults 65 years of age and older and young persons 5 to 19 years of age, compared to influenza A(H1N1) which circulated earlier in the year.
- As of week 22, 5,086 hospitalizations and 313 deaths have been reported from participating regions, which is similar to the number reported last year.

Are you a primary health care practitioner (General Practitioner, Nurse Practitioner or Registered Nurse) interested in becoming a FluWatch sentinel for the 2014-15 influenza season? Contact us at FluWatch@phac-aspc.gc.ca

## Influenza/ILI Activity (geographic spread)

In week 21, eight regions reported localized activity: seven regions in Ontario and one in Newfoundland & Labrador. In week 22, nine regions reported localized activity: seven were the same regions as in week 21, with one additional region each in Newfoundland & Labrador and Saskatchewan (Figure 1). Five regions did not report data in week 21 and in week 22.



Note: Influenza/ILI activity levels, as represented on this map, are assigned and reported by Provincial and Territorial Ministries of Health, based on laboratory confirmations, sentinel ILI rates and reported outbreaks. Please refer to detailed definitions at the end of the report. Maps from previous weeks, including any retrospective updates, are available on the FluWatch website.

# Influenza and Other Respiratory Virus Detections

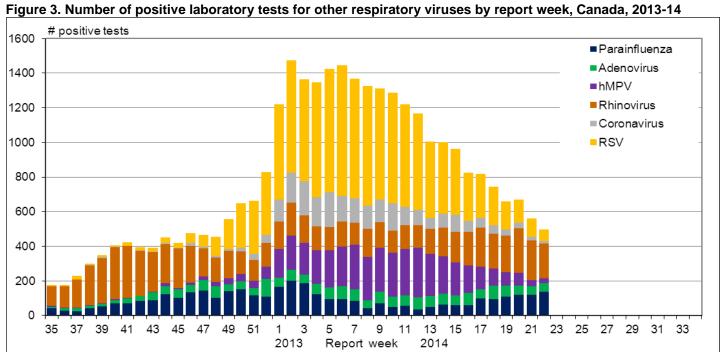
The number of positive influenza tests continued to decline from 310 in week 20 to 203 in week 21, and 133 (5.5% of tests) in week 22 (Figure 2). Influenza B remained the predominant virus in weeks 21 and 22, representing 80% of influenza detections. However, most jurisdictions have reported low or declining numbers of influenza detections in weeks 21 and 22 (Table 1). This season, A(H1N1)pdm09 predominantly affected adults 20-64 years of age and children <5 years of age, while influenza B affected greater proportions of adults ≥65 years of age and children 5-19 years of age (Table 2).

# positive influenza tests % positive tests A(unsubtyped) ■A(H3) ■ A(H1)pdm09 Influenza B percent positive A percent positive B 31 33

Figure 2. Number of positive influenza tests and percentage of tests positive, by type, subtype and report week, Canada, 2013-14

Detections of RSV, coronavirus, and human metapneumovirus have continued to decline and are approaching interseasonal levels. The number of positive tests for parainfluenza continued to follow an upward trend in recent weeks, and detections of adenovirus have been stable over the past three weeks, in keeping with the broader year-round circulation of these viruses. Detections of rhinovirus in recent weeks have been higher than during the same period over the past three seasons, however the number of positive tests decreased in weeks 21 and 22 (Figure 3). For more details, see the weekly Respiratory Virus Detections in Canada Report.

Report week



RSV: Respiratory syncytial virus; hMPV: Human metapneumovirus

Table 1. Weekly and cumulative numbers of positive influenza specimens by type, subtype and province, Canada, 2013-14

		Two weeks (M	ay 18 to 3	31, 2014)	Cumulative (August 25, 2013 to May 31, 2014)					
Reporting		Influenza	a A		В		В			
provinces <sup>1</sup>	A Total	A(H1)pdm09	A(H3) A(UnS)		B Total	A Total	A(H1)pdm09	A(H3)	A(UnS)	B Total
ВС	3	0	2	1	14	1,811	1,614	57	140	374
AB	11	1	9	1	69	3,882	3,462	103	317	535
SK	1	0	0	1	14	1,384	988	8	388	193
MB	2	0	2	0	11	685	463	7	215	65
ON	37	5	25	7	84	5,796	2,495	407	2,894	3,081
QC	7	0	1	6	50	5,370	677	6	4,687	2,734
NB	1	0	0	1	10	1,491	370	2	1,119	114
NS	0	0	0	0	4	175	134	5	36	47
PE	0	0	0	0	2	119	118	0	1	4
NL	4	0	0	4	12	381	104	0	277	258
Canada	66	6	39	21	270	21,094	10,425	595	10,074	7,405
Percentage <sup>2</sup>	19.6%	9.1%	59.1%	31.8%	80.4%	74.0%	49.4%	2.8%	47.8%	26.0%

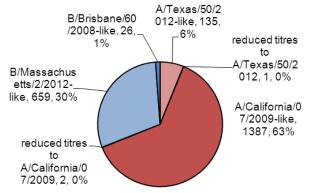
Table 2. Weekly and cumulative numbers of positive influenza specimens by type, subtype and age-group reported through case-based laboratory reporting<sup>3</sup>, Canada, 2013-14

		o weeks			14)	Cumulative (August 25, 2013 to May 31, 2014)						
Age groups	Influenza A B						Influen	В	Influenza A and B			
(years)	A Total	A(H1) pdm09	A(H3)	A (UnS)	Total	A Total	A(H1) pdm09	A(H3)	A (UnS)	Total	#	%
<5	6	3	1	2	19	3,269	1,453	45	1,771	554	3,823	16.6%
5-19	0	0	0	0	10	1,333	707	27	599	819	2,152	9.3%
20-44	8	1	5	2	21	5,097	2,818	51	2,228	1,017	6,114	26.5%
45-64	5	3	2	0	34	4,476	2,392	66	2,018	1,503	5,979	25.9%
65+	26	0	19	7	73	2,630	1,001	184	1,445	2,245	4,875	21.1%
Unknown	0	0	0	0	0	137	102	22	13	9	146	0.6%
Total	45	7	27	11	157	16,942	8,473	395	8,074	6,147	23,089	100.0%
Percentage <sup>2</sup>	22.3%	15.6%	60.0%	24.4%	77.7%	73.4%	50.0%	2.3%	47.7%	26.6%		

Specimens from NT, YT, and NU are sent to reference laboratories in other provinces. Cumulative data includes updates to previous weeks.

#### Influenza Strain Characterizations

During the 2013-2014 influenza season, the National Microbiology Laboratory (NML) has antigenically characterized 2,210 influenza viruses [136 A(H3N2), 1,389 A(H1N1)pdm09 and 685 influenza B]. The vast majority (99%) of viruses were similar to the strains recommended by the WHO for the 2013-14 seasonal influenza vaccine. Two A(H1N1)pdm09 viruses showed reduced titres to antiserum against the reference A/California/07/2009 strain, and one A(H3N2) virus showed reduced titres to antiserum against the reference A/Texas/50/2012 strain. Twenty-six influenza B viruses were similar to the strain recommended by the WHO for the 2011-12 vaccine (Figure 4).



# Figure 4. Influenza strain characterizations, Canada, 2013-14, N = 2,210

The NML receives a proportion of the number of influenza positive specimens from provincial laboratories for strain characterization and antiviral resistance testing. Characterization data reflect the results of haemagglutination inhibition (HAI) testing compared to the reference influenza strains recommended by WHO.

The recommended components for the 2013-2014 northern hemisphere trivalent influenza vaccine include: an A/California/7/2009(H1N1)pdm09-like virus, an A(H3N2) virus antigenically like the cell-propagated prototype virus A/Victoria/361/2011b (e.g. A/Texas/50/2012), and a B/Massachusetts/2/2012-like virus (Yamagata lineage).

<sup>&</sup>lt;sup>2</sup> Percentage of tests positive for sub-types of influenza A are a percentage of all influenza A detections.

<sup>&</sup>lt;sup>3</sup> Table 2 includes specimens for which demographic information was reported. These represent a subset of all positive influenza cases reported.

UnS: unsubtyped: The specimen was typed as influenza A, but no result for subtyping was available.

## **Antiviral Resistance**

During the 2013-2014 influenza season, NML has tested 2,047 influenza viruses for resistance to oseltamivir and all but five were sensitive. All 2,048 viruses tested for resistance to zanamivir were sensitive. All 1,604 influenza A viruses tested for amantadine resistance were resistant (Table 3).

Table 3. Antiviral resistance by influenza virus type and subtype, Canada, 2013-14

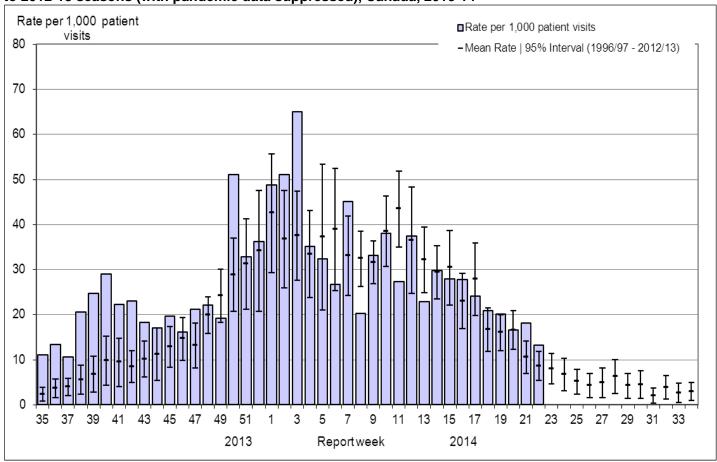
	Os	eltamivir	Z	anamivir	Am	Amantadine		
Virus type and subtype	# tested # resistant (%)		# tested # resistant (%)		# tested	# resistant (%)		
A (H3N2)	111	0	111	0	170	170 (100%)		
A (H1N1)	1373	5 (0.4%)	1375	0	1434	1434 (100%)		
В	563	0	562	0	NA <sup>1</sup>	NA <sup>1</sup>		
TOTAL	2047	5 (0.2%)	2048	0	1604	1604 (100%)		

NA - not applicable

## Influenza-like Illness Consultation Rate

The national influenza-like-illness (ILI) consultation rate continued to decrease from 16.6 consultations per 1,000 patient visits in week 20 to 18.1 per 1,000 in week 21 and 13.2 per 1,000 in week 22. Rates for weeks 21 and 22 were above the expected range for this time of year (Figure 5).

Figure 5. Influenza-like-illness (ILI) consultation rates by report week, compared to the 1996-97 through to 2012-13 seasons (with pandemic data suppressed), Canada, 2013-14

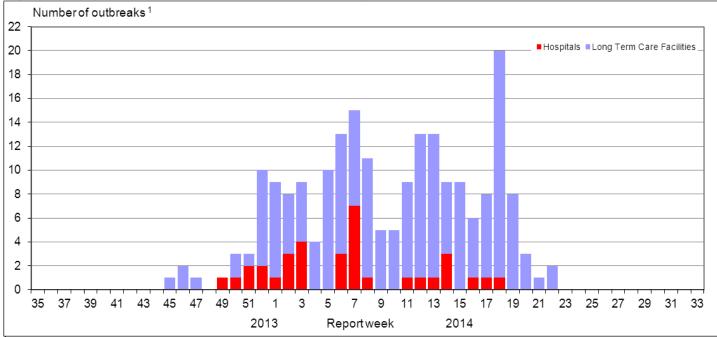


No data available for mean rate for weeks 19 to 39 for the 1996-1997 through 2002-2003 seasons. Delays in the reporting of data may cause data to change retrospectively. The calculation of the average ILI consultation rate over 17 seasons was aligned with influenza activity in each season. In BC, AB, and SK, data is compiled by a provincial sentinel surveillance program for reporting to FluWatch. The number of sentinel physicians in each province or territory is as follows: BC(21), AB(80), SK(11), MB(18), ON(169), QC(14), NB(29), NS(26), PE(4), NL(16), NU(1), NT(14), YT(13). Not all sentinel physicians report every week.

### Influenza Outbreak Surveillance

The number of new influenza outbreaks was low in weeks 21 and 22, with three outbreaks reported in long-term care facilities (Figure 6). Three additional outbreaks of ILI were reported in other types of facilities or community settings during this two-week period.

Figure 6. Overall number of new influenza outbreaks by report week, Canada, 2013-2014

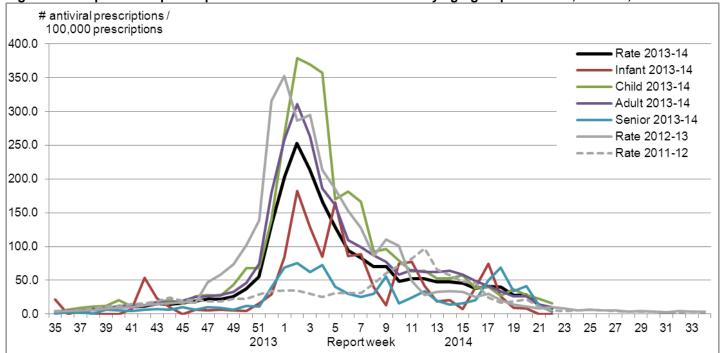


All provinces and territories except NU report influenza outbreaks in long-term care facilities. All provinces and territories with the exception of NU and QC report outbreaks in hospitals. Outbreaks of influenza or influenza-like-illness in other facilities are reported to FluWatch but reporting varies between jurisdictions. Outbreak definitions are included at the end of the report.

# Pharmacy Surveillance

In weeks 21 and 22, the proportion of prescriptions for antivirals continued to decline and is approaching interseasonal levels. Overall this season, the largest proportion of prescriptions for antivirals has been among children 2-18 years of age and adults 19-64 years of age (Figure 7).

Figure 7 - Proportion of prescription sales for influenza antivirals by age-group and week, Canada, 2013-14



Note: Pharmacy sales data are provided to the Public Health Agency of Canada by Rx Canada Inc. and sourced from major retail drug chains representing over 2,500 stores nationwide (excluding Nunavut) in 85% of Health Regions. Data provided include the number of new antiviral prescriptions (for Tamiflu and Relenza) and the total number of new prescriptions dispensed by Province/Territory and age group. Age-groups: Infant: 0-2y, Child: 2-18y; Adult: 19-64y, Senior: ≥65y

## Sentinel Hospital Influenza Surveillance

#### Paediatric Influenza Hospitalizations and Deaths (IMPACT)

In weeks 21 and 22, four new laboratory-confirmed influenza-associated paediatric (≤16 years of age) hospitalizations were reported by the Immunization Monitoring Program Active (IMPACT) network. All four were cases of influenza B, one child 6-23 months of age and three 2-4 years of age (Figure 8a). A greater proportion of cases with influenza B this season have been children between 2 and 10 years of age compared to A(H1N1)pdm09. No ICU admissions were reported in weeks 21 or 22. One death was reported which occurred in early April, a child <6 months of age with influenza B.

To date this season, a total of 696 influenza-associated paediatric hospitalizations have been reported by the IMPACT network, 79% of which have been influenza A, and almost all of those subtyped (97%) were A(H1N1)pdm09. Children <5 years of age represent 73% of cases to date (Table 4). One hundred and ten ICU admissions have been reported, of which 72 (65%) were children <5 years of age (Figure 9a). All but 14 were cases with influenza A, and 97% of those subtyped were A(H1N1)pdm09. Among the 106 ICU cases with available data, 67 (63%) were reported to have underlying medical conditions. One death has been reported this season. A smaller number of paediatric hospital admissions have been reported this year compared to the 2012-13 season.

Note: The number of hospitalizations reported through IMPACT represents a subset of all influenza-associated paediatric hospitalizations in Canada. Delays in the reporting of data may cause data to change retrospectively.

#### Adult Influenza Hospitalizations and Deaths (PCIRN)

Active surveillance of laboratory-confirmed influenza-associated adult (≥16 years of age) hospitalizations by the PHAC/CIHR Influenza Research Network (PCIRN) Serious Outcomes Surveillance (SOS) network ended on May 15th. During the period of passive surveillance from May 16 to 31, 2014, 29 new influenza-associated hospitalizations were reported, including four ICU admissions and one death (Figure 8b). Among these 29 cases, 26 (90%) were cases ≥65 years of age and 62% were associated with influenza B. May 31<sup>st</sup> marks the end of PCIRN-SOS reporting for the 2013-14 season.

To date this season, 1,985 influenza-associated hospitalizations have been reported by the PCIRN-SOS network, 1,338 (67.4%) with influenza A, predominantly A(H1N1)pdm09 (Table 5). Compared to the 2012-13 season, slightly more cases have been reported, although the peak number of cases was smaller. A greater number of cases have been reported during March and April compared to last year, with six times more cases of influenza B reported. ICU admission was required for 321 hospitalizations, of which 263 were cases with influenza A (137 A(H1N1)pdm09, ten A(H3N2) and 116 A(unsubtyped)), 57 were cases with influenza B and the influenza type was not reported for one case. A greater proportion of cases have been admitted to the ICU this season compared to last year, but the proportion of deaths has been similar. Of the ICU admissions with available information, 85.9% (189/220) were reported to have at least one comorbidity, and 68.2% (176/258) reported not having been vaccinated this season. Among the 112 deaths reported this season, all but 28 have been cases of influenza A (51 A(H1N1)pdm09, three A(H3N2) and 30 A(unsubtyped)); ten cases 20-44 years of age, 37 cases 45-64 years of age and 65 cases ≥65 years of age (Figure 9b). Among fatal cases with available information, 93.8% (60/64) were reported to have at least one comorbidity, and 48.2% (40/83) reported not having been vaccinated this season.

Note: During the 2013-14 influenza season, PCIRN-SOS conducted passive surveillance from August 25<sup>th</sup> to November 14th, 2013, and May 16<sup>th</sup> to 31st. Cases reported during this period were identified by laboratory detection of influenza among patients admitted to participating hospitals. Active surveillance was conducted between November 15<sup>th</sup>, 2013 and May 15<sup>th</sup>, 2014 during which time PCIRN site coordinators investigated cases potentially related to influenza. Data from both active and passive surveillance reported during the 2013-14 season are included in this report. The number of hospitalizations reported through PCIRN represents a subset of all influenza-associated adult hospitalizations in Canada. Delays in the reporting of data may cause data to change retrospectively.

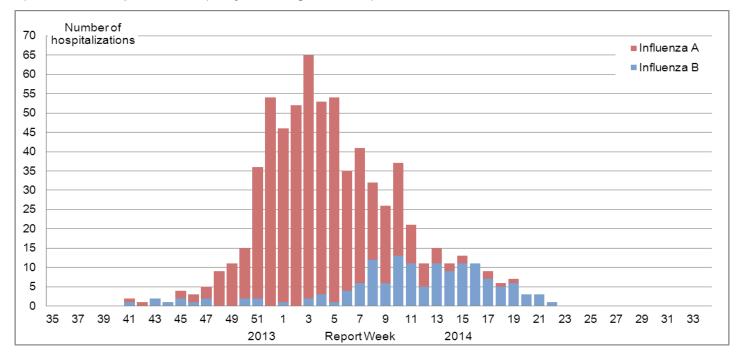
Table 4 – Cumulative numbers of paediatric hospitalizations with influenza reported by the IMPACT network, Canada, 2013-14

Table 5 – Cumulative numbers of adult hospitalizations with influenza reported by the PCIRN-SOS network, Canada, 2013-14

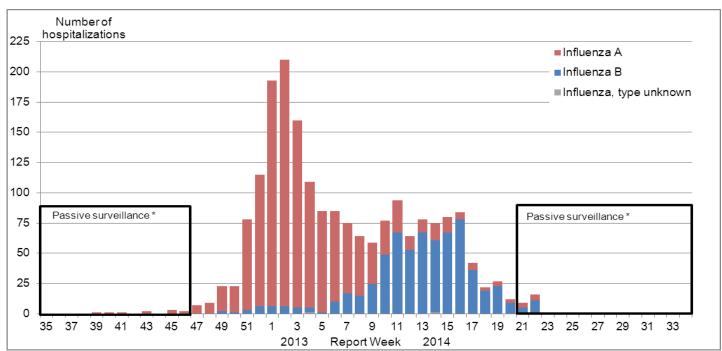
	C	umulativ	e (25 Au	g. 2013 to	31 May 2	2014)		Cumulative (25 Aug. 2013 to 31 May 2014) *					
Age groups				В	Influenza A and B	Age groups	Influenza A				В	Influenza A and B	
g. supe	A Total	A(H1) pdm09	A(H3)	A (UnS)	Total	# (%)	(years)	A Total	A(H1) pdm09	A(H3)	A(UnS)	Total	# (%)
0-5m	104	37	0	67	9	113 (16%)	16-20	13	5	1	7	2	15 (1%)
6-23m	162	57	1	104	26	188 (27%)				7	407	_	, ,
2-4y	164	55	3	106	46	210 (30%)	20-44	276	142	7	127	47	323 (16%)
5-9y	81	28	1	52	52	133 (19%)	45-64	521	245	12	264	135	656 (33%)
10-16y	40	14	1	25	12	52 (7%)	65+	525	238	61	226	460	985 (50%)
Total	551	191	6	354	145	696	Total	1,335	630	81	624	644	1,979
% <sup>1</sup>	79.2%	34.7%	1.1%	64.2%	20.8%	100.0%	% <sup>1</sup>	67%	47%	6%	47%	33%	100%

<sup>&</sup>lt;sup>1</sup> Percentage of tests positive for sub-types of influenza A are a percentage of all influenza A detections. UnS: unsubtyped: The specimen was typed as influenza A, but no result for subtyping was available. \* Two cases for which the influenza type has not yet been reported, and four cases for which the age-group was not reported, are not included in Table 5.

Figure 8 – Number of cases of influenza reported by sentinel hospital networks, by week, Canada, 2013-14 A) Paediatric hospitalizations (≤16 years of age, IMPACT)

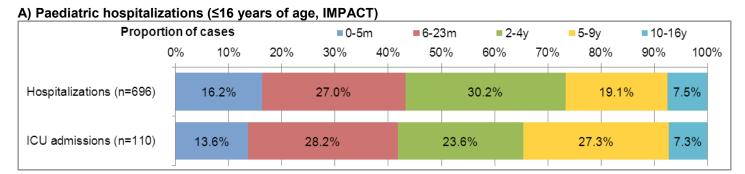


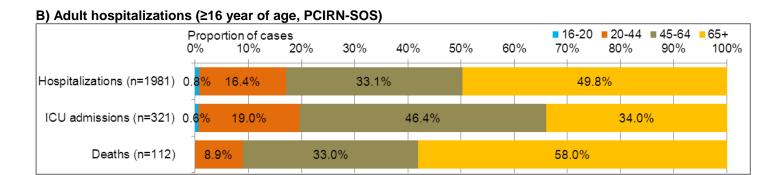
## B) Adult hospitalizations (≥16 year of age, PCIRN-SOS)



<sup>\*</sup> See footnote on page 6 following the section related to PCIRN-SOS data.

Figure 9 – Percentage of hospitalizations, ICU admissions and deaths with influenza reported by age-group, Canada, 2013-14





# Provincial/Territorial Influenza Hospitalizations and Deaths

In weeks 21 and 22, 218 laboratory-confirmed influenza-associated hospitalizations were reported from participating provinces and territories.\* As with other surveillance indicators in weeks 21 and 22, the majority were cases of influenza B (202, 92.7%). Two ICU admissions and 22 deaths were reported in weeks 21 and 22. Nineteen of the 22 deaths were cases with influenza B; two were adults 45-64 years of age, and 20 were adults ≥65 years of age. The number of new influenza-associated hospitalizations and deaths reported for the current week may include cases from Ontario that occurred in previous weeks, as a result of retrospective updates to the cumulative total.

To date this season, 5,086 influenza-associated hospitalizations have been reported, 71.4% with influenza A. The majority (62.6%) of hospitalizations have been cases 45 years of age of older. A significantly greater proportion of cases of influenza B have been ≥65 years of age, and 5-19 years of age, compared to cases of A(H1N1)pdm09 this season (Table 6). A total of 367 ICU admissions have been reported this season, of which 64.5% were adults 20-64 years of age. A total of 313 deaths have been reported. The highest proportion of deaths has been among adults ≥65 years of age (54.3%) followed by adults 20-64 years of age (37.1%). In keeping with the late-season circulation, influenza B has been increasingly reported among hospitalized cases of influenza. To date this season, influenza B has been reported in 28.6% of hospitalizations and 31.3% of deaths. It is important to note that the hospitalization or death does not have to be attributable to influenza, a positive laboratory test is sufficient for reporting. Detailed clinical information (e.g. underlying medical conditions) is not known for these cases.

Table 6 – Cumulative number of hospitalizations with influenza reported by the participating provinces and territories, Canada, 2013-14

territories, Gariada, 2010-14										
	Cumulative (25 Aug. 2013 to 31 May 2014)									
Age groups (years)		Influenza	В	Influenza A and B						
	A Total	A(H1) pdm09	A(H3)	A (UnS)	Total	# (%)				
0-4	620	288	13	319	124	744 (15%)				
5-14	135	65	6	64	109	244 (5%)				
15-19	39	22	4	13	6	45 (1%)				
20-44	616	425	5	186	88	704 (14%)				
45-64	1,125	707	31	387	277	1,402 (28%)				
65+	960	468	107	385	821	1,781 (35%)				
Unknown	138	99	3	36	28	166 (3%)				
Total	3,633	2,074	169	1,390	1,453	5,086				
Percentage <sup>1</sup>	71.4%	57.1%	4.7%	38.3%	28.6%	100%				

<sup>1</sup> Percentage of tests positive for sub-types of influenza A are a percentage of all influenza A detections. UnS: unsubtyped: The specimen was typed as influenza A, but no result for subtyping was available.

See additional data on Reported Influenza Hospitalizations and Deaths in Canada: 2009-10 to 2013-14 on the Public Health Agency of Canada website.

<sup>\*</sup> Note: Influenza-associated hospitalizations are not reported to PHAC by the following Provinces and Territory: BC, NU, QC, and NB. Only hospitalizations that require intensive medical care are reported by Saskatchewan. ICU admissions are not distinguished among hospital admissions reported from Ontario. Data may also include cases reported by the IMPACT and PCIRN networks.

## **Emerging Respiratory Pathogens**

#### **Human Avian Influenza**

Influenza A(H7N9): Three new cases of human infection with influenza A(H7N9) have been reported by the World Health Organization since the last FluWatch report. Globally to June 5, 2014, the WHO has been informed of a total of 442 laboratory-confirmed human cases with avian influenza A(H7N9) virus, including 156 deaths.

Documents related to the public health risk of influenza A(H7N9), as well as guidance for health professionals and advice for the public is updated regularly on the following websites:

PHAC – Avian influenza A(H7N9) WHO – Avian Influenza A(H7N9)

#### Middle East Respiratory Syndrome Coronavirus (MERS-CoV)

Despite recent increases in the number of cases and sporadic reports of cases exported outside the Middle East, the public health risk posed by MERS-CoV in Canada remains low (see the <u>PHAC Assessment of Public Health Risk</u>). Globally, from September 2012 to June 5, 2014, the WHO has been informed of a total of 681 laboratory-confirmed cases of infection with MERS-CoV, including 204 deaths. All cases have either occurred in the Middle East or have had direct links to a primary case infected in the Middle East.

Documents related to the public health risk of MERS-CoV, as well as guidance for health professionals and advice for the public is updated regularly on the following websites:

PHAC - Middle East respiratory syndrome coronavirus (MERS-CoV)

WHO - Coronavirus infections

# International Influenza Reports

World Health Organization influenza update

World Health Organization FluNet

WHO Influenza at the human-animal interface

Centers for Disease Control and Prevention seasonal influenza report

EuroFlu weekly electronic bulletin

European Centre for Disease Prevention and Control - epidemiological data

South Africa Influenza surveillance report

New Zealand Public Health Surveillance

Australia Influenza Report

Pan-American Health Organization Influenza Situation Report

#### FluWatch Definitions for the 2013-2014 Season

<u>Abbreviations</u>: Newfoundland/Labrador (NL), Prince Edward Island (PE), New Brunswick (NB), Nova Scotia (NS), Quebec (QC), Ontario (ON), Manitoba (MB), Saskatchewan (SK), Alberta (AB), British Columbia (BC), Yukon (YT), Northwest Territories (NT), Nunavut (NU).

<u>Influenza-like-illness (ILI)</u>: Acute onset of respiratory illness with fever and cough and with one or more of the following - sore throat, arthralgia, myalgia, or prostration which is likely due to influenza. In children under 5, gastrointestinal symptoms may also be present. In patients under 5 or 65 and older, fever may not be prominent.

#### ILI/Influenza outbreaks

- Schools: Greater than 10% absenteeism (or absenteeism that is higher (e.g. >5-10%) than expected level as determined by school or public health authority) which is likely due to ILI. Note: it is recommended that ILI school outbreaks be laboratory confirmed at the beginning of influenza season as it may be the first indication of community transmission in an area.
- Hospitals and residential institutions: two or more cases of ILI within a seven-day period, including at least one laboratory confirmed case. Institutional outbreaks should be reported within 24 hours of identification. Residential institutions include but not limited to long-term care facilities (LTCF) and prisons.
- Workplace: Greater than 10% absenteeism on any day which is most likely due to ILI.
- Other settings: two or more cases of ILI within a seven-day period, including at least one laboratory confirmed case; i.e. closed communities.

Note that reporting of outbreaks of influenza/ILI from different types of facilities differs between jurisdictions.

#### Influenza/ILI Activity Levels

- 1 = No activity: no laboratory-confirmed influenza detections in the reporting week, however, sporadically occurring ILI may be reported
- 2 = Sporadic: sporadically occurring ILI and lab confirmed influenza detection(s) with **no outbreaks** detected within the influenza surveillance region†
- 3 = Localized: (1) evidence of increased ILI\*;
  - (2) lab confirmed influenza detection(s);
  - (3) outbreaks in schools, hospitals, residential institutions and/or other types of facilities occurring in less than 50% of the influenza surveillance region†
- 4 = Widespread: (1) evidence of increased ILI\*;
  - (2) lab confirmed influenza detection(s);
  - (3) outbreaks in schools, hospitals, residential institutions and/or other types of facilities occurring in greater than or equal to 50% of the influenza surveillance region†

Note: ILI data may be reported through sentinel physicians, emergency room visits or health line telephone calls.

- \* More than just sporadic as determined by the provincial/territorial epidemiologist.
- † Influenza surveillance regions within the province or territory as defined by the provincial/territorial epidemiologist.

We would like to thank all the Fluwatch surveillance partners who are participating in this year's influenza surveillance program. This report is available on the Public Health Agency website at the following address: <a href="http://www.phac-aspc.gc.ca/fluwatch/index.html">http://www.phac-aspc.gc.ca/fluwatch/index.html</a>. Ce rapport est disponible dans les deux langues officielles.