

Pandemic Influenza A/H1N1 Virus (pH1N1) Surveillance Update

British Columbia

Prepared on February 1, 2010
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Note: Given the decline to low levels of influenza activity (Feb 1, 2010), this report on pH1N1 hospitalizations and deaths in BC will be updated as needed but will no longer be refreshed weekly. For information on influenza surveillance trends in the province, please consult the most recent BC Influenza Surveillance Bulletin: <http://www.bccdc.ca/cond/DiseaseStatsReports/influSurveillanceReports.htm>

Counts of pH1N1 hospitalizations and Deaths in BC

(April 2009 – February 2010)

	Total Cases to January 25	New Cases Reported to February 1	Total Cases Reported to February 1
Hospitalizations			
VCHA	242	0	242
FHA	360	0	360
IHA	234	1	235
NHA	70*	0	70
VIHA	152	0	152
Total	1058	1	1059
Deaths			
VCHA	10	0	10
FHA	17	0	17
IHA	15*	0	15
NHA	2	0	2
VIHA	12	0	12
Total	56	0	56

* Count revised due to up-to-date information and detailed accounting of historical cases.

Notes :

Above counts are based on date reported to BCCDC and may be subject to delay.

pH1N1 hospitalization is defined as any person, admitted to hospital with laboratory-confirmed pH1N1 influenza.

pH1N1 death is defined as a death occurring in any person with laboratory confirmed pH1N1 influenza with no period of complete recovery between illness and death.

Characteristics of pH1N1 hospitalizations, ICU admissions, and deaths in BC

	Hospitalized Cases	Cases Admitted to ICU	Deaths
% female	50.8	54.8	55.8
Median Age	38	45	50
% Aboriginal	5.4	5.8	3.8
% with at least one underlying condition*	65.6	80.6	88.5
% pregnant	4.2	1.9	0.0

* excluding pregnancy

Hospitalized pH1N1 Cases: BC Summary

Age	%
<1	4
1 to 4	9
5 to 19	16
20 to 44	31
45 to 64	30
> 64	11

Underlying conditions	%
Chronic heart disease	10
Diabetes	12
Kidney disease	5
Immune suppression	15
Lung disease	19
Asthma	16
Pregnancy	4
Current Smoker	8
Obesity	7
Neurological disease	3
Other underlying disease	30

Severity	%
Admitted to ICU	25
Ventilation	18
Pneumonia	38
Oxygen therapy	43
ARDS	6
Death	8

Aboriginal status	%
FN	5
Inuit	0
Metis	0
On-reserve	1

pH1N1 Deaths :BC Summary

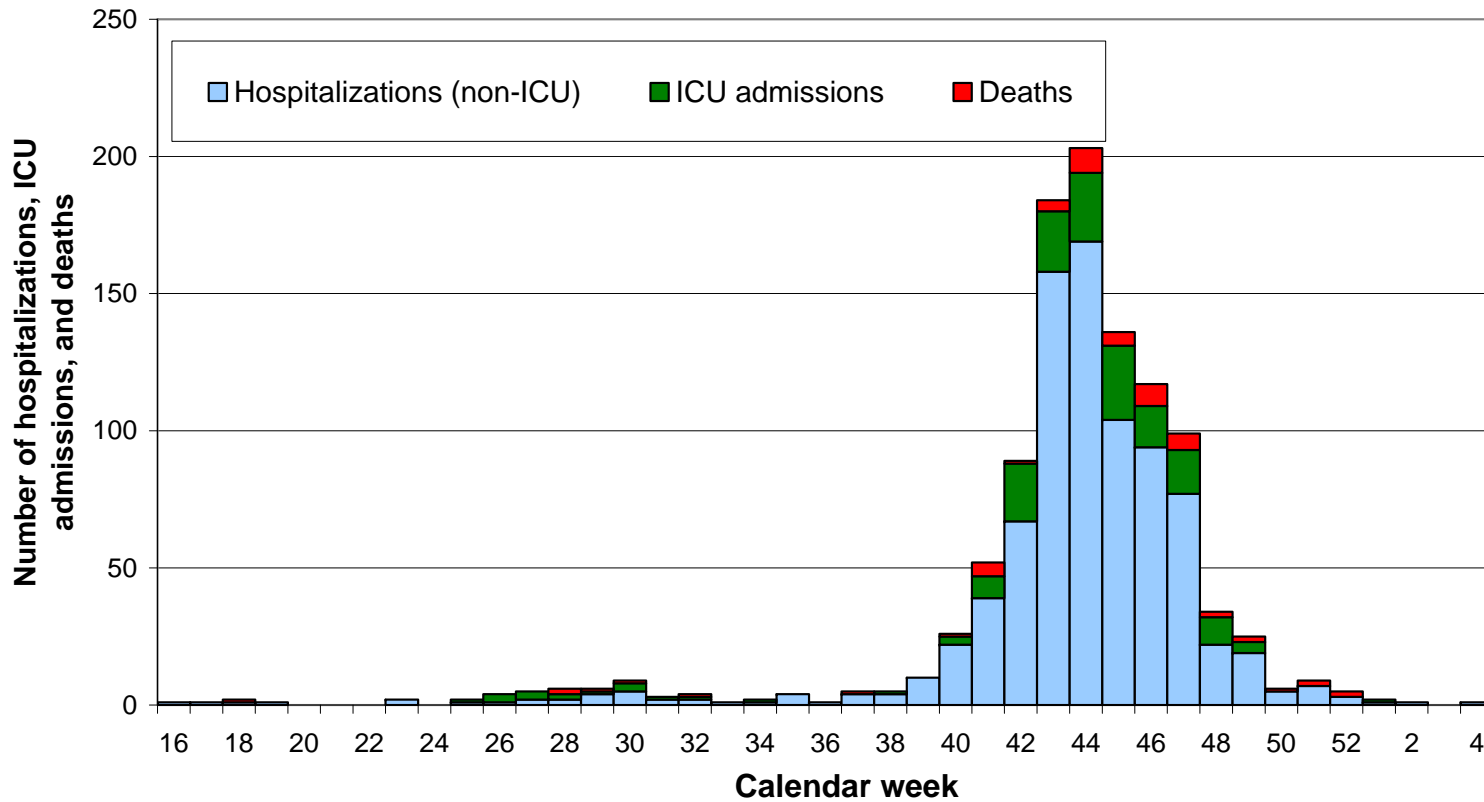
Age	%
<1	0
1 to 4	2
5 to 19	8
20 to 44	17
45 to 64	52
> 64	21

Underlying conditions	%
Chronic heart disease	12
Diabetes	10
Kidney disease	12
Immune suppression	23
Lung disease	37
Asthma	8
Pregnancy	0
Current Smoker	21
Obesity	25
Neurological disease	4
Other underlying disease	50

Note: Percentages summarized above are based on completed case report forms submitted to BCCDC. Age categories have been updated (Nov 30) to align with those reported by Public Health Agency of Canada.

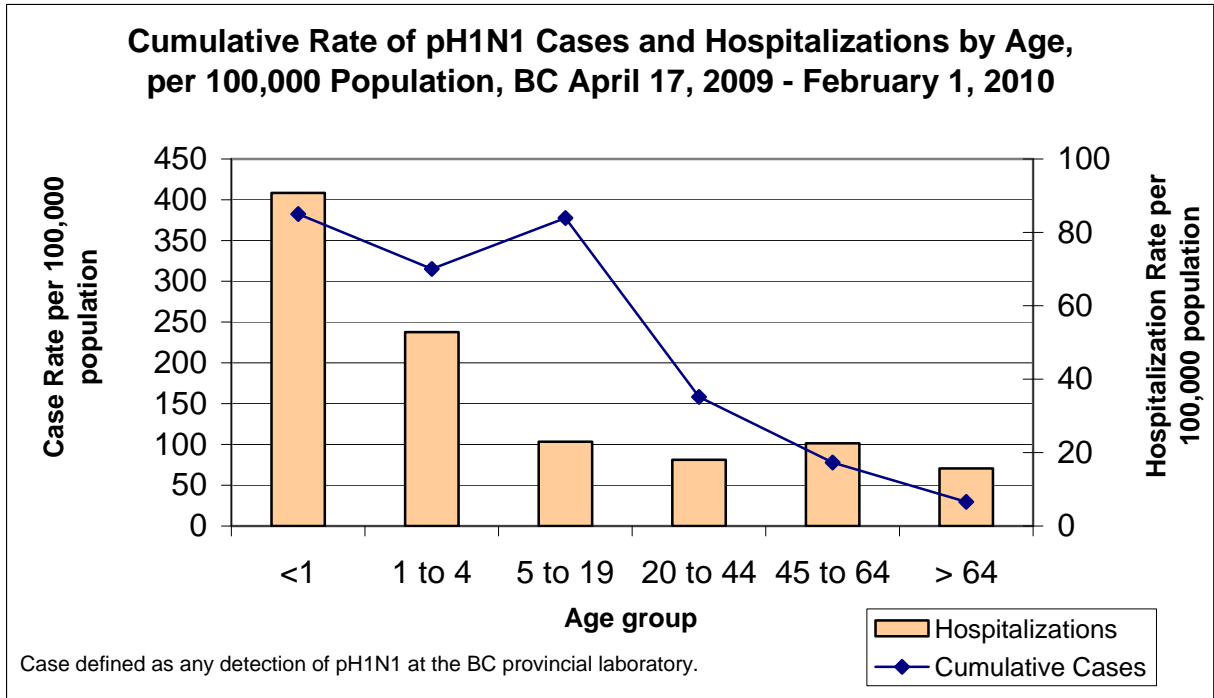
Epi curve by Week Reported

Epi Curve of pH1N1 Hospitalizations, ICU Admissions and Deaths by Week Reported, British Columbia, April 2009 - February 2010



Note: Subject to updates; reporting may become more complete over time. ICU admissions not reported in all regions.

pH1N1 Cumulative Case Rates and Hospitalization Rates by Age Group



pH1N1 Cumulative Hospitalization Rates by Region

