

**Pandemic Influenza A/H1N1 Virus (pH1N1)
Case Surveillance Update**

British Columbia

Prepared on February 25, 2010
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Note: Given the decline to low levels of influenza activity (Feb 25, 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 Reported to
February 25**

Hospitalizations	
VCHA	245
FHA	377
IHA	234
NHA	69
VIHA	155
Total	1080

Deaths	
VCHA	10
FHA	17
IHA	15
NHA	3
VIHA	12
Total	57

Notes :

February 25: Above counts have been updated based on careful accounting of reported individual cases with each regional health authority. Changes from previous (February 1) report reflect detailed reconciliation of historical records rather than true changes in recent pH1N1 activity.

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	49.7	52.7	55.8
Median Age	38	46	50
% Aboriginal	5.5	5.4	3.8
% with at least one underlying condition*	65.4	79.0	90.4
% pregnant	4.0	2.4	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	31
> 64	10

Underlying conditions	%
Chronic heart disease	10
Diabetes	11
Kidney disease	5
Immune suppression	15
Lung disease	19
Asthma	16
Pregnancy	4
Current Smoker	9
Obesity	8
Neurological disease	3
Other underlying disease	30

Severity	%
Admitted to ICU	26
Ventilation	19
Pneumonia	39
Oxygen therapy	44
ARDS	7
Death	8

Aboriginal status	%
FN	5
Inuit	0
Metis	0
On-reserve	2

Notes:

Percentages summarized above are based on case report forms (CRFs) submitted to BCCDC; however, CRFs were not completed for all pH1N1 hospitalizations in the province. Cases described above therefore cannot be considered representative of all pH1N1 hospitalizations.

pH1N1 CRF collects Aboriginal ethnicity (First Nations, Inuit, Métis) but does not distinguish between non-Aboriginal and missing or unknown values.

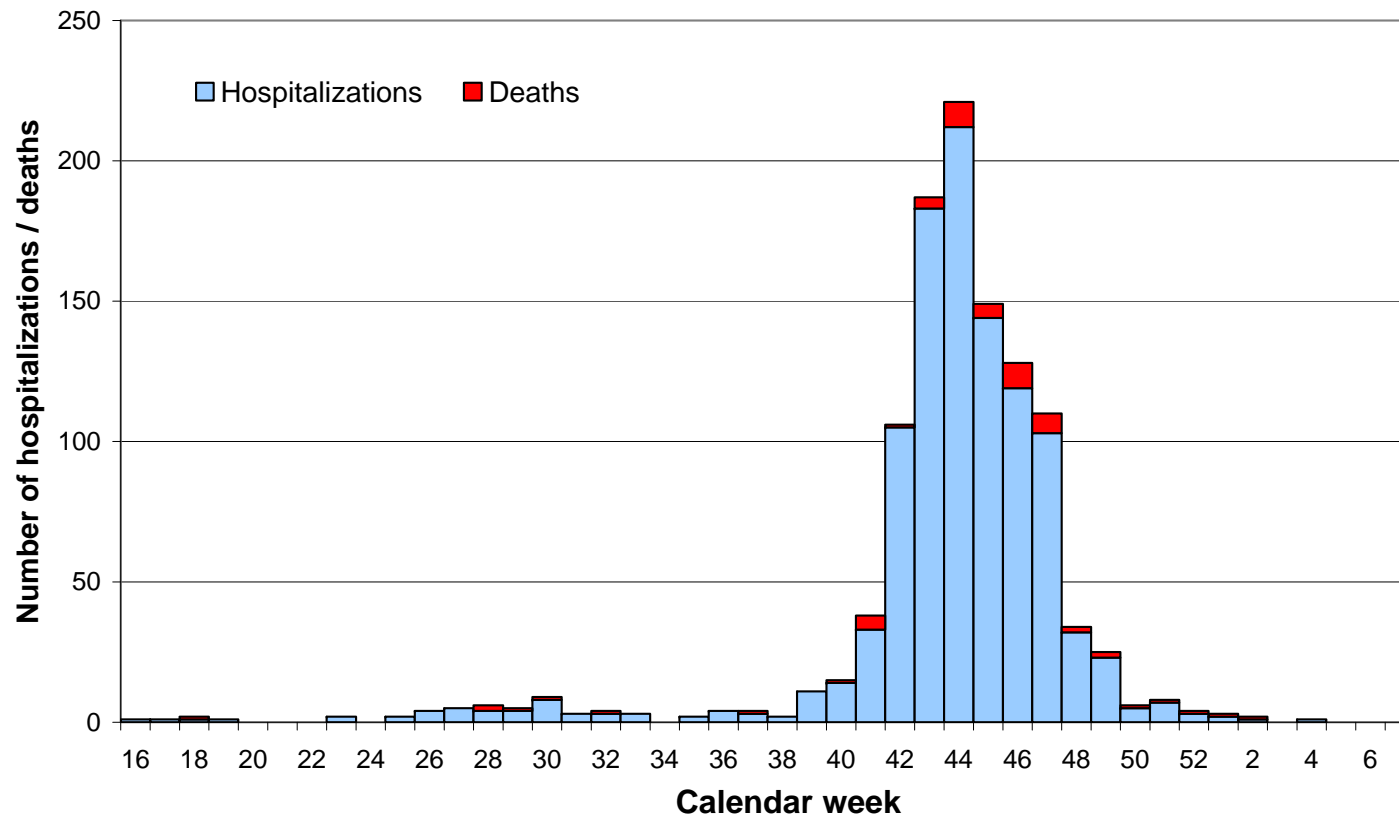
pH1N1 Deaths :BC Summary

Age	%
<1	0
1 to 4	2
5 to 19	8
20 to 44	17
45 to 64	54
> 64	19

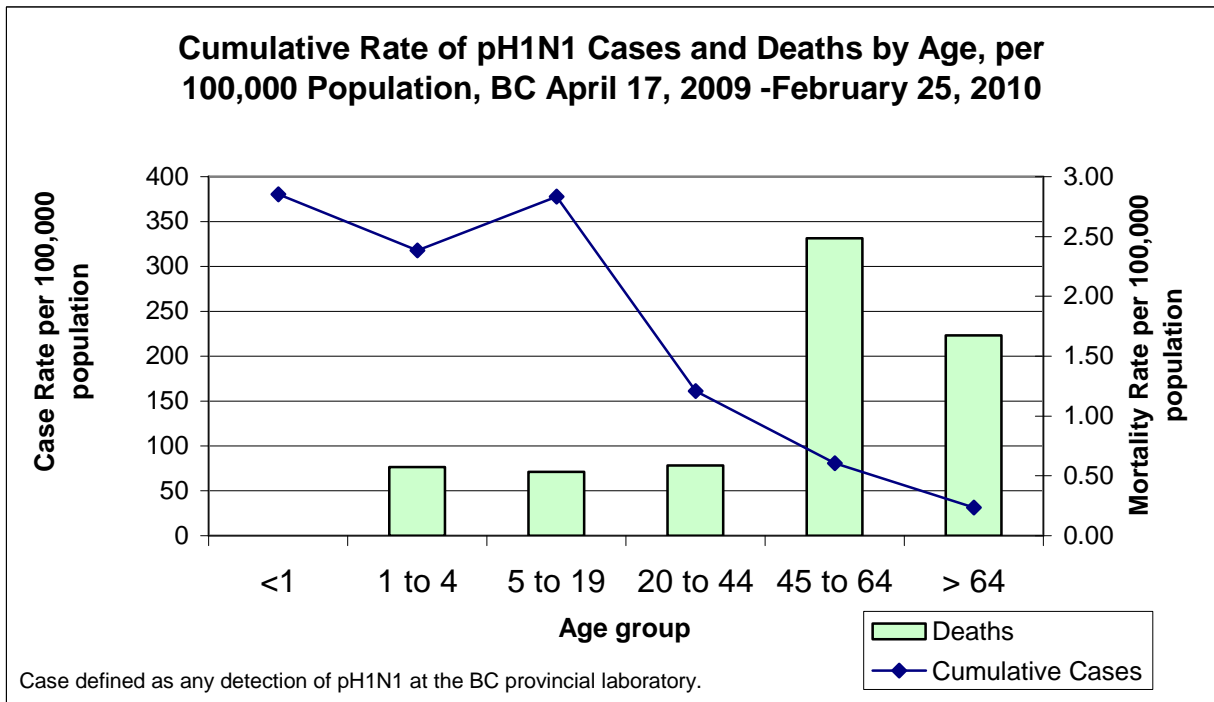
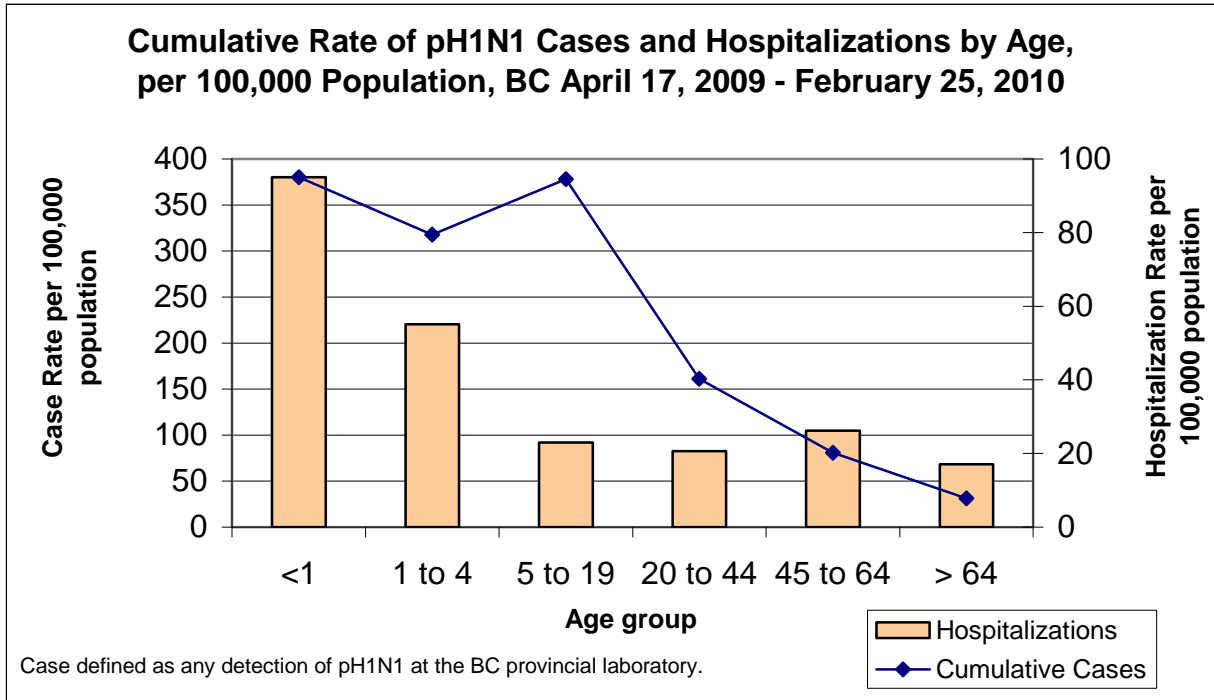
Underlying conditions	%
Chronic heart disease	12
Diabetes	10
Kidney disease	12
Immune suppression	23
Lung disease	37
Asthma	8
Pregnancy	0
Current Smoker	21
Obesity	25
Neurological disease	4
Other underlying disease	52

Epi curve by week reported

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



pH1N1 cumulative case, hospitalization, and mortality rates by age group



pH1N1 cumulative hospitalization rates by region

