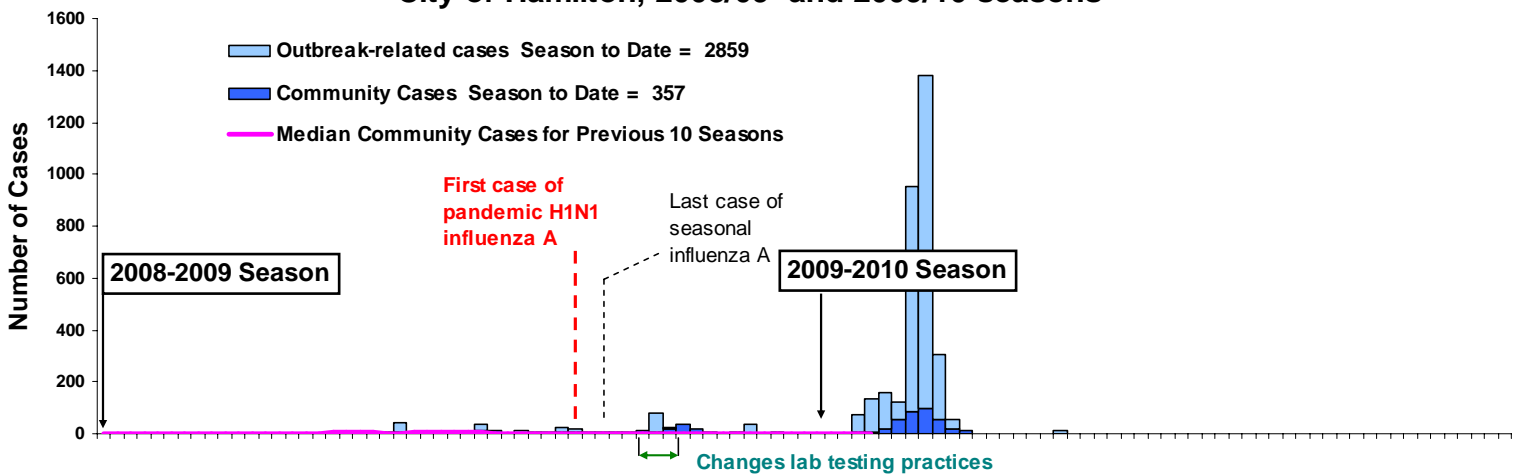


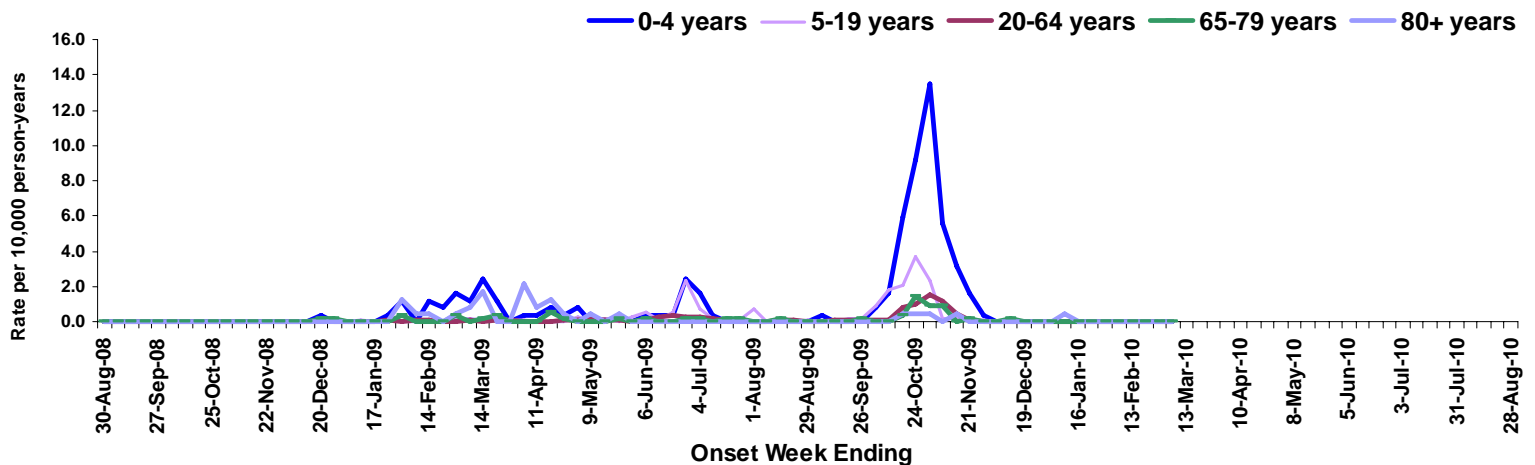
Weekly Influenza Activity Report: Week of Feb 28 – March 6, 2010

Influenza Surveillance –

Weekly reported influenza A cases and age-specific rates of community and institutional influenza A, City of Hamilton, 2008/09 and 2009/10 seasons



Rate of reported community lab-confirmed influenza A by age group

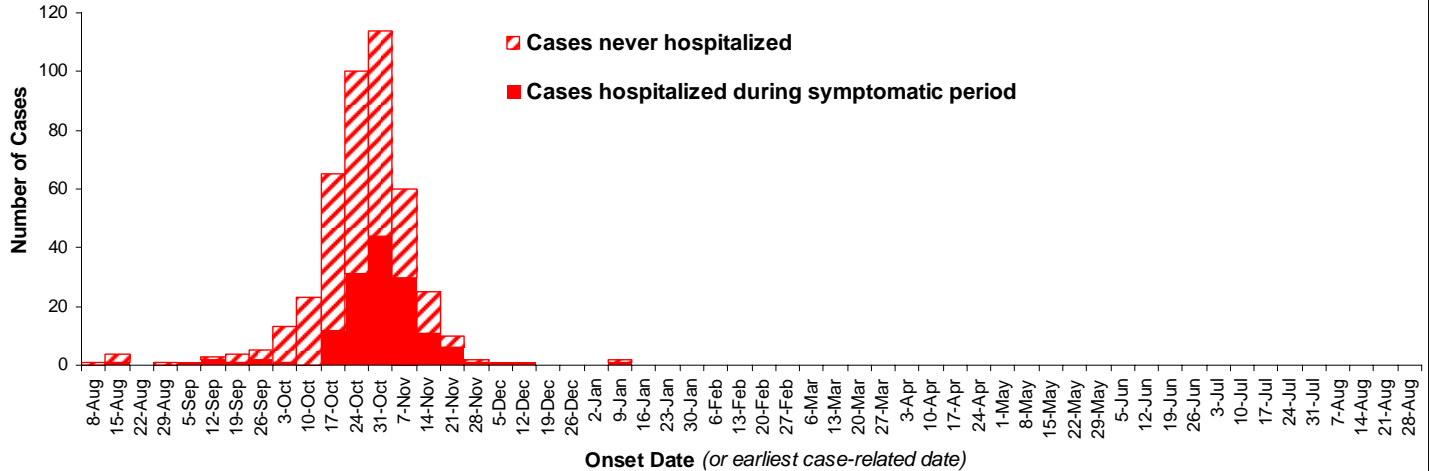


These figures are subject to change due to case follow-up procedures. Only a proportion of Influenza A cases are lab-confirmed and therefore the above counts and rates are underestimates. Also, the age-specific rates of influenza A in the community are affected by differential testing practices across age groups.

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:** March 8, 2010

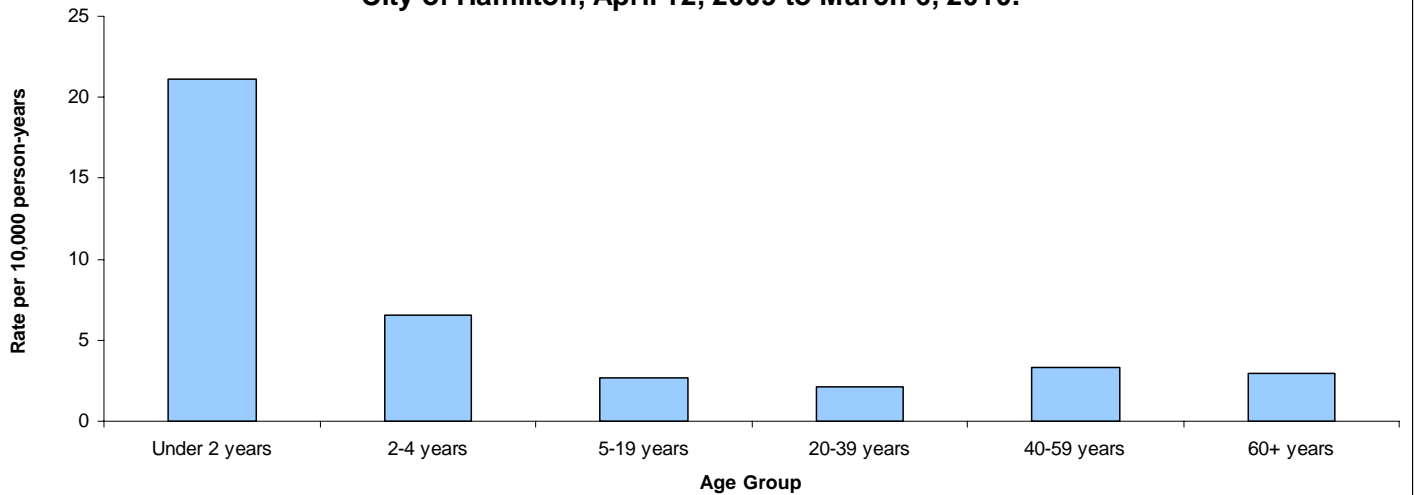
Disclaimer: The intent of this report is for timely sharing of influenza surveillance information with Health Care Professionals. This report may include preliminary data which may be subject to change.

Weekly cases of lab-confirmed influenza A by hospitalization status, City of Hamilton, August 8, 2009 to March 6, 2010.



These figures are subject to change due to case follow-up procedures. **Data Source:** Ontario Ministry of Health and Long-Term Care, integrated Public Health Information System database. **Prepared by:** City of Hamilton Public Health Services. **Date Extracted:** [March 8, 2010]

Rate of hospitalized influenza A cases by age group, City of Hamilton, April 12, 2009 to March 6, 2010.



These figures exclude 2008-2009 seasonal influenza case and are subject to change due to case follow-up procedures. **Data Source:** Ontario Ministry of Health and Long-Term Care integrated Public Health Information System database **Prepared by:** City of Hamilton Public Health Services **Date Extracted:** March 8, 2010

**Epidemiologic summary of reported influenza A
(excludes 2008-2009 seasonal influenza A), City of Hamilton,
12-Apr-2009 to 07-Mar-2010**

Laboratory Confirmed Cases

Cumulative number of cases	570
Confirmed or Probable pH1N1	343
Suspect pH1N1	227
Seasonal 2009-2010 Subtypes	0

Hospitalized Cases

Cumulative number of hospitalized cases	170
Female	55%
Male	45%
Median age	38
With at least one underlying medical condition	75%
Direct health care providers	2
Median duration of stay of 169 discharged patient	5 days
Cumulative cases in ICU	24
Cumulative cases on ventilator	21

Fatalities During Influenza A Episode

Cumulative number of fatal cases	8
Median age	65
With at least one underlying medical condition	100%

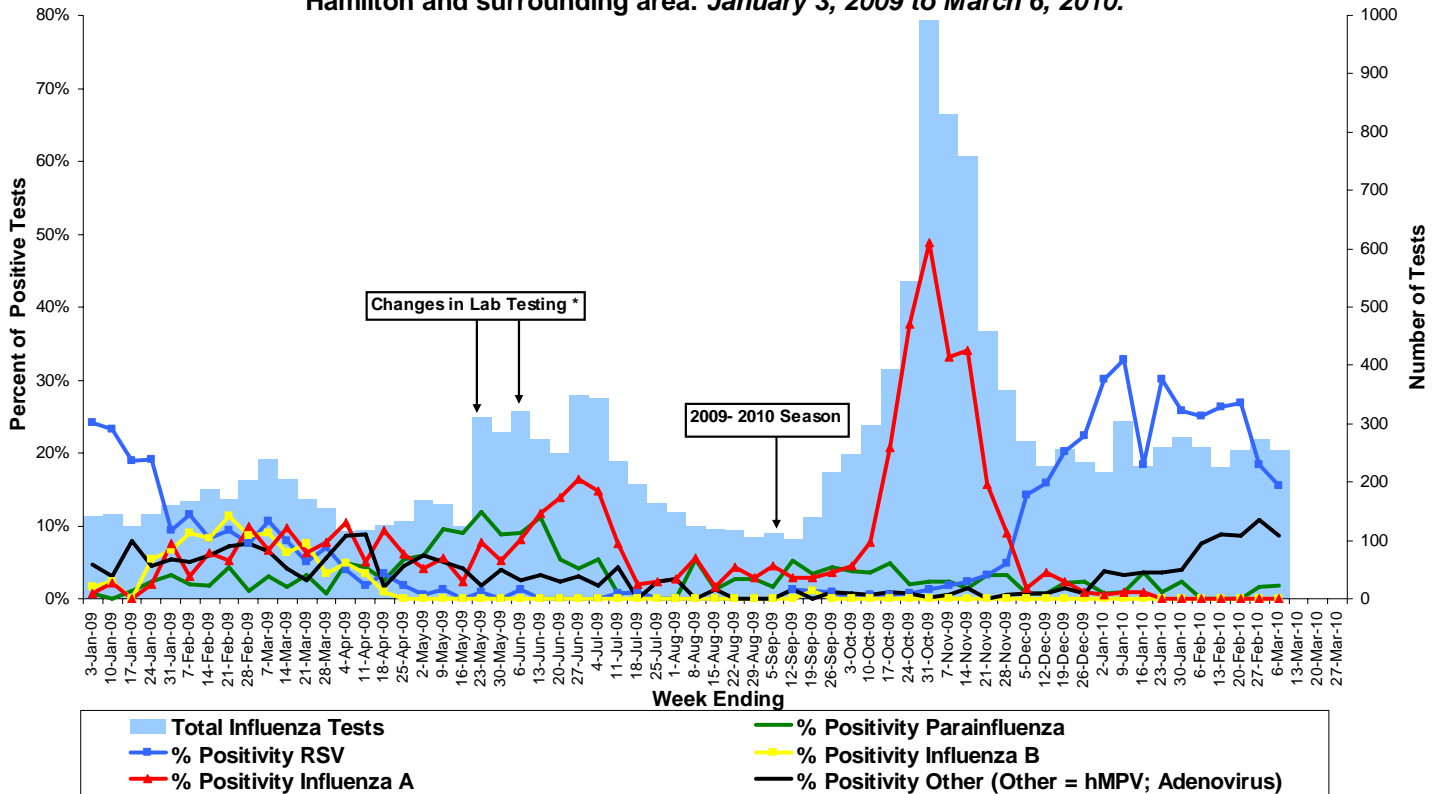
Cases Among Pregnant Women

Cumulative number of cases among pregnant women	23
Percent hospitalized	26%
Percent deaths	0%

These numbers are subject to change due to case follow-up procedures.
Source: Ontario Ministry of Health and Long-Term Care, integrated Public Health Information System database
Prepared by: City of Hamilton, Public Health Services.
Date Extracted: [07-Mar-2010]

Laboratory Testing –

Weekly influenza tests performed and percent positivity for selected respiratory pathogens, Hamilton and surrounding area. January 3, 2009 to March 6, 2010.



Percent positive is number of positive results for pathogen / number of tests performed for pathogen, reported as %.

Data Source: Ontario Agency for Health Protection and Promotion (OAHPP) – Hamilton Public Health Laboratory (HPHL) [influenza A only] and McMaster University Regional Virology Laboratory (MURVL) respiratory database. Prepared by Hamilton Public Health Services. * **Note:** Effective May 17, 2009, HPHL initiated molecular testing on both outbreak and community respiratory specimens submitted by: City of Hamilton, Haldimand-Norfolk, Halton and Niagara as well as specimens from the London and Windsor Public Health Laboratories. On June 4, 2009, the Ontario Ministry of Health and Long Term Care directed health care providers to only submit lab specimens in cases with influenza-like illness (ILI) among hospitalized individuals or where patients are at high risk for complications from influenza. Public health laboratories are only testing samples from high-risk patients.

Note. As per a Nov 6, 2009 provincial communique, the OAHPP has changed the testing algorithm for Influenza A subtyping conducted by the Public Health Laboratories (PHL). OAHPP has indicated that the percentage of influenza A positive samples testing positive for pHN1 continues to be almost 100%.

Ontario Influenza Bulletin - http://www.health.gov.on.ca/english/providers/program/pubhealth/flu/flu_08/flubul_mn.html

FluWatch - <http://www.phac-aspc.gc.ca/fluwatch/index.html>

Disclaimer: The intent of this report is for timely sharing of influenza surveillance information with Health Care Professionals. This report may include preliminary data which may be subject to change.