Weekly influenza tests performed and percent positivity for selected respiratory pathogens, submitted from an acute care setting within Hamilton and surrounding area.
August 17, 2013 to February 28, 2015

**Other (Adenovirus, Rhinovirus/Enterovirus, hMPV)
Percent positive is the number of positive results for pathogen / number of tests performed for pathogen, reported as %.
Note: Since Sep 30, 2013, panel testing was changed from enterovirus to entero/rhino virus. The historical data have been added to this figure.

Data Source: Hamilton Regional Laboratory Medicine Program. Prepared by: Hamilton Public Health Services.
Proportion of nasopharyngeal swabs submitted from an acute care setting that are positive for select respiratory viral pathogens, Hamilton and surrounding area. February 22, 2015 to February 28, 2015

**Ages 0 to 4 Years**

*Total Tests: 71*

- Adenovirus: 4%
- Influenza: 11%
- Influenza B: 15%
- Negative NP Swabs: 8%
- Rhinovirus/Enterovirus: 35%
- RSV: 25%

**Children ( > 4 years), adults, seniors**

*Total Tests: 241*

- Adenovirus: 4%
- Influenza A: 20%
- Influenza B: 7%
- Negative NP Swabs: 2%
- Parainfluenza: 65%

**Interpretation:** Of all children aged 0-4 years presenting to acute care hospital ERs with appropriate symptoms and who provided a NPS sample, 15% tested positive for influenza; among children 5 years and older, adults and seniors, 20% tested positive for influenza. (Discrepancies in % values from pie charts may occur due to rounding.)

**Notes:** Negative swabs are 'negative' only for the select viral pathogens in the testing panel. This does not necessarily mean it is a bacterial infection. Among the 0 to 4 year old age group, the percentage positivity for RSV decreases dramatically as age increases.

**Data Source:** Hamilton Regional Laboratory Medicine Program. **Prepared by:** Hamilton Public Health Services.
Weekly respiratory syncytial virus (RSV) tests performed and percent positivity for RSV among 0-18 year olds, submitted from an acute care setting within Hamilton and surrounding area.

August 17, 2013 to February 28, 2015

Percent positive the is number of positive RSV results by PCR / number of tests performed for RSV, reported as %. All data restricted to specimens submitted among 0-18 year olds. ■ Clinic begin and end timelines for Palivizumab prophylaxis as recommended by Ontario’s RSV Medical Advisory Group.

† Panozzo et al. (2010) define regional RSV season onset as the first of 2 consecutive weeks when at least 2 of 10 specimens that were tested each week were positive for RSV antigen or when at least 10% of ≥ 20 tests were reported RSV positive(1), Data Source: Hamilton Regional Laboratory Medicine Program. Prepared by: Hamilton Public Health Services.