

Regional Syndromic Surveillance Bi-Weekly Report

Wednesday September 11th, 2019 - Tuesday September 24th, 2019

Health Unit Coverage = KFL&A, HPECHU, LGL

Kingston, Frontenac & Lennox and
Addington Public Health Knowledge
Management Team

ACES Hospital Emergency Department (ED) Activity

Summary: Overall emergency room visit volume was stable in each of the three regional health unit jurisdictions compared to the previous two week period of August 28th through September 10th. (KFL&A: 5755 vs. 5487 HPE: 4307 vs. 4203 LGL: 4680 vs. 4510).

Info. items: 1) With school now back in session, we are now just starting to see the provincial up-swing in asthma-related visits that marks the start of the annual asthma epidemic. Rhinovirus is likely the main trigger, along with environmental allergens. The graph below shows the provincial data for the asthma syndrome in the ACES system for the past 4 seasons. Rhinovirus is currently the most prominent circulating respiratory virus in Ontario as well (see page 5). 2) Regionally, tick related ED visits will start to increase through October and November based on historical data and what we know about the ticks life cycle. Ticks are in their adult stage in the Fall months which makes them easier to spot as they are larger than their nymph stage which occurs in the Spring. Always be vigilant when visiting wooded and grassy areas, perform checks on yourself, your children and your pets regularly this Fall.

KFL&A Respiratory: There is currently one respiratory outbreak of unknown origin occurring in a local long-term care/retirement facility.

KFL&A Gastrointestinal: There are currently no enteric outbreaks occurring in any local long-term care/retirement facilities.

Local Admissions of Interest

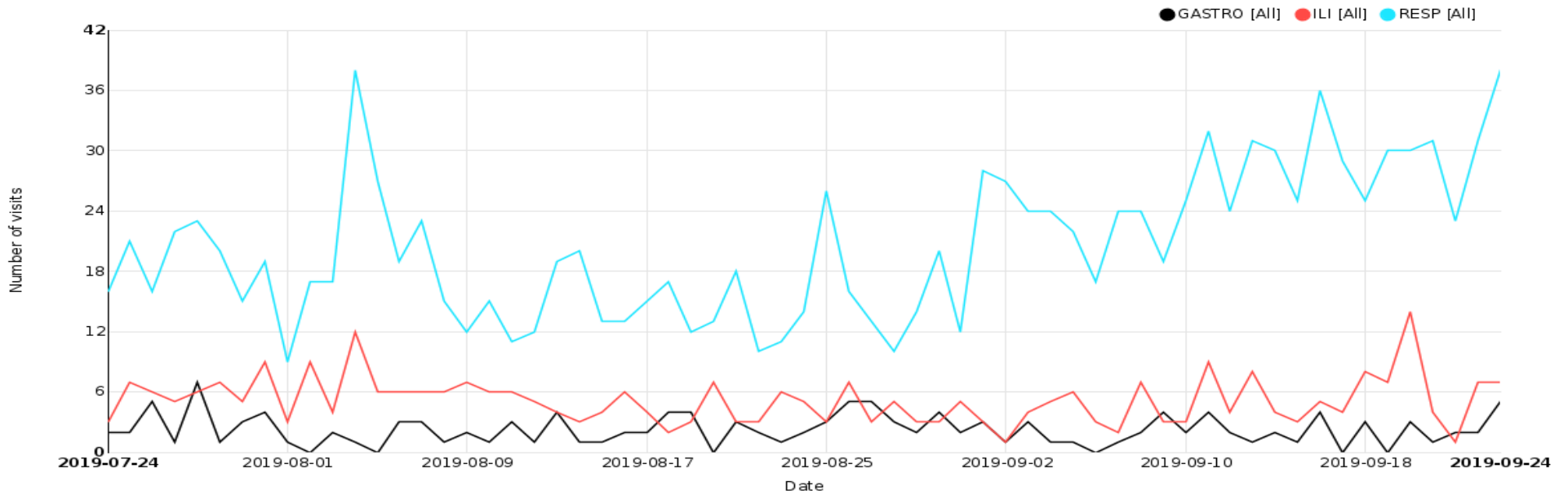
Date	Hospital	Reason for Admission
14/09/2019	KGH	BRONCHIOLITIS
15/09/2019	KGH	TOXIDROME OVERDOSE
16/09/2019	KGH	MENINGITIS?
19/09/2019	KGH	NECROTIZING SOFT TISSUE INFECTION
22/09/2019	KGH	PNEUMONIA ? TUBERCULOSIS
23/09/2019	KGH	NECROTIZING FASCIITIS

NOTE: Further details can be obtained by contacting KFL&A PHI staff at adam.vandijk@kflaph.ca or 613-549-1232 x1510 All feedback is welcome and appreciated.

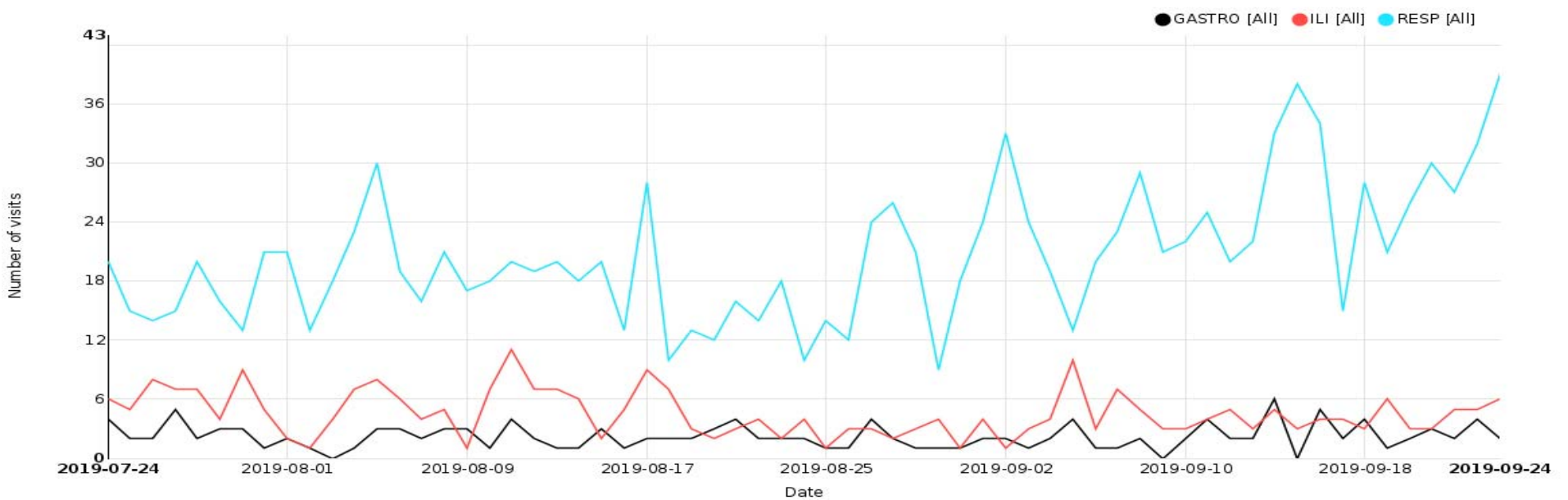
Weekly Provincial Asthma-related ED Visits as a Percentage of All Visits (Ages 2-50)



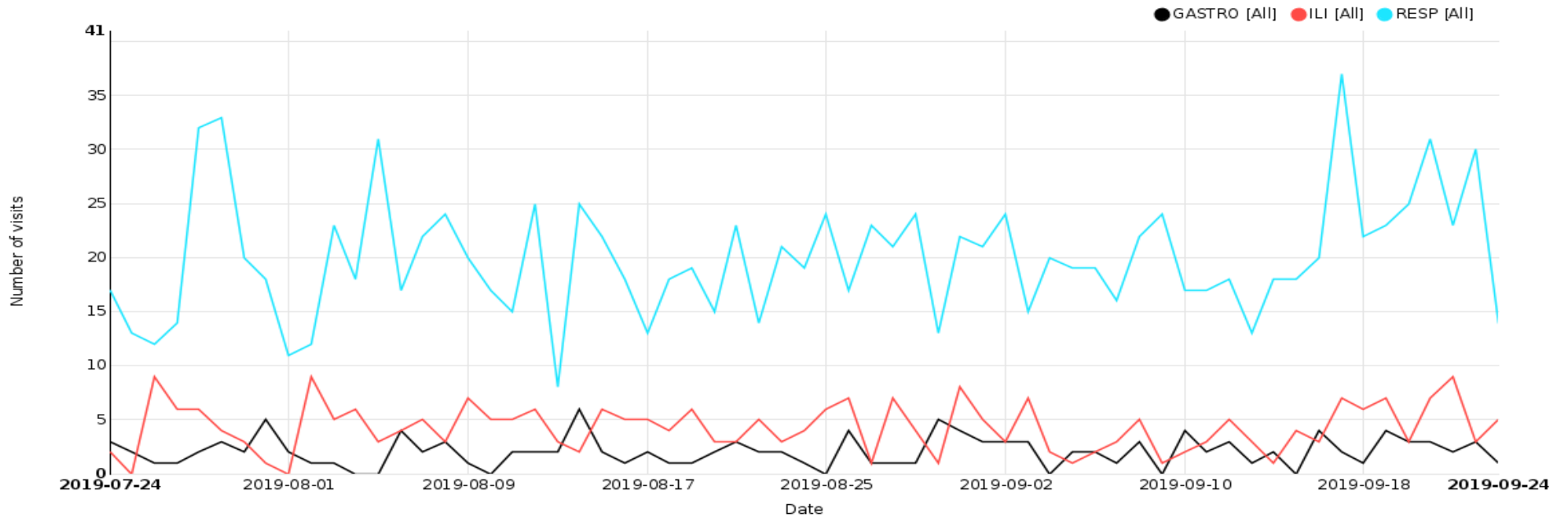
Respiratory, Gastrointestinal and Influenza-Like Illness/Fever ED Visits for KFL&A Health Unit



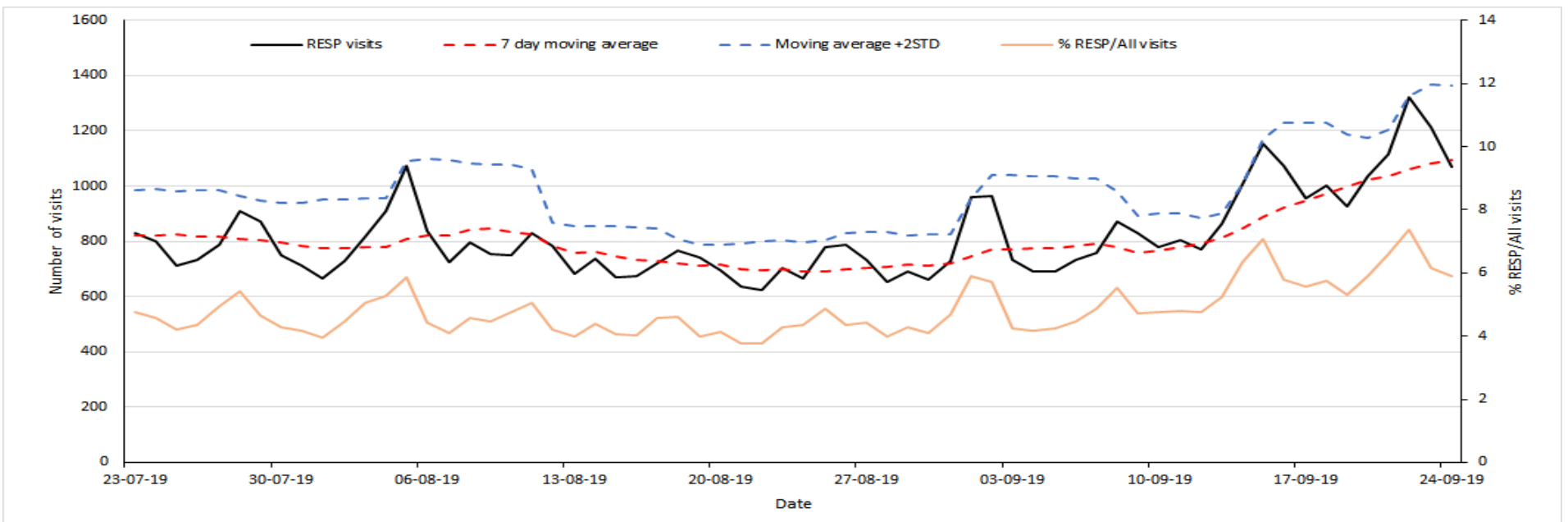
Respiratory, Gastrointestinal and Influenza-Like Illness/Fever ED Visits for HPE Health Unit



Respiratory, Gastrointestinal and Influenza-Like Illness/Fever ED Visits for LGL Health Unit



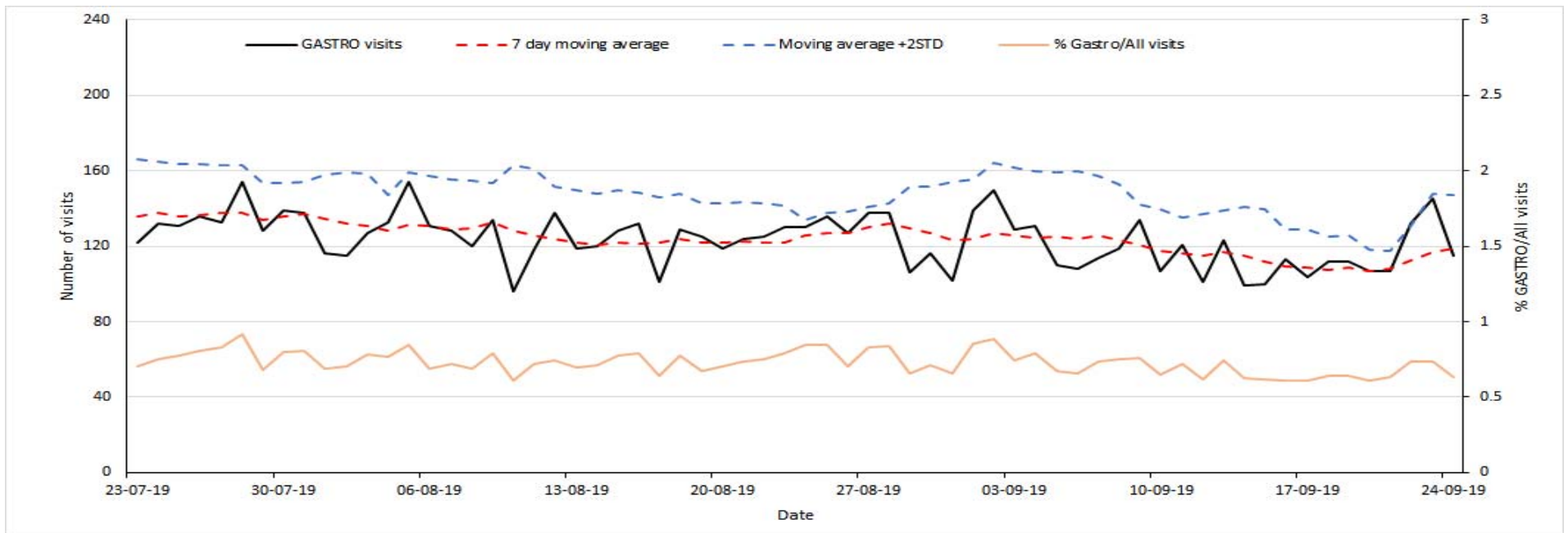
Respiratory ED Visits to Participating Ontario Hospitals



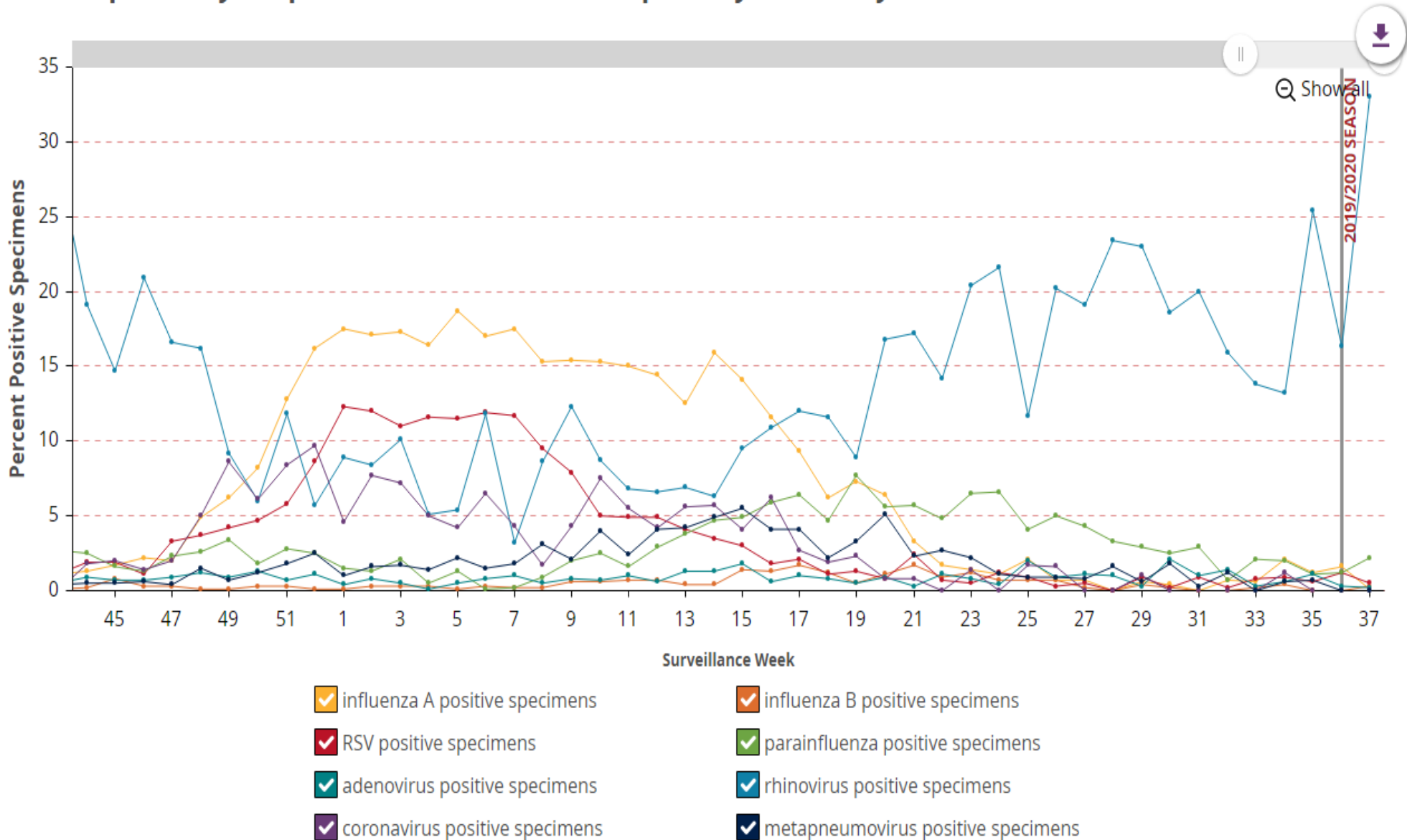
Influenza-Like Illness/Fever ED Visits to Participating Ontario Hospitals



Gastrointestinal ED Visits to Participating Ontario Hospitals



Percent positivity of specimens tested for all respiratory viruses by week



*Source: Ontario Respiratory Pathogen Bulletin, Public Health Ontario (with data obtained from the Public Health Agency of Canada's Respiratory Virus Detection tables)
Please review section 10 of the weekly pdf report for further information on the data sources used in the Ontario Respiratory Pathogen Bulletin.