

Respiratory pathogen report

week 14, 1 April – 7 April 2024

- There were 52 cases of influenza detected at PathWest this week. Of these, 20 were influenza A/H1, 18 were influenza A yet to be subtyped, 8 were influenza B and 6 were influenza A/H3.
- SARS-CoV-2 detections and proportion increased this week, with 69 cases detected by Pathwest.
- Other respiratory viruses detected this week were parainfluenza virus (57 cases), respiratory syncytial virus (24 cases), rhinovirus (23 cases), Adenovirus (14 cases) and human metapneumovirus (10 cases).

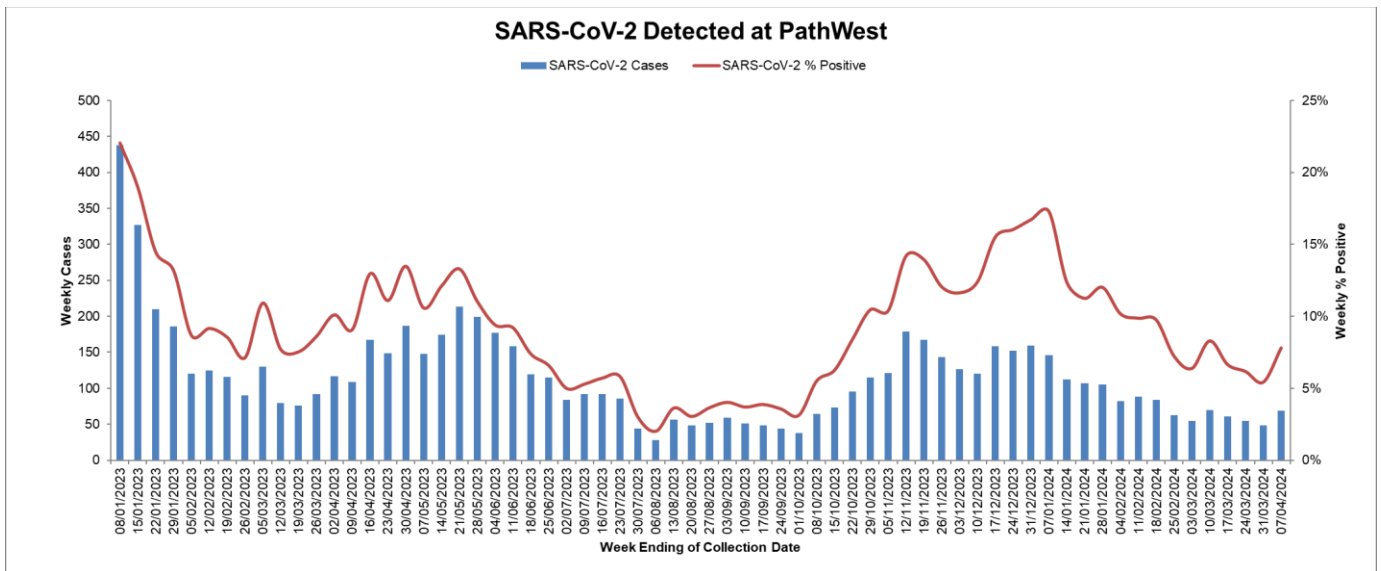


Figure 1: Weekly cases and proportion positive of SARS-CoV-2 detected at PathWest.

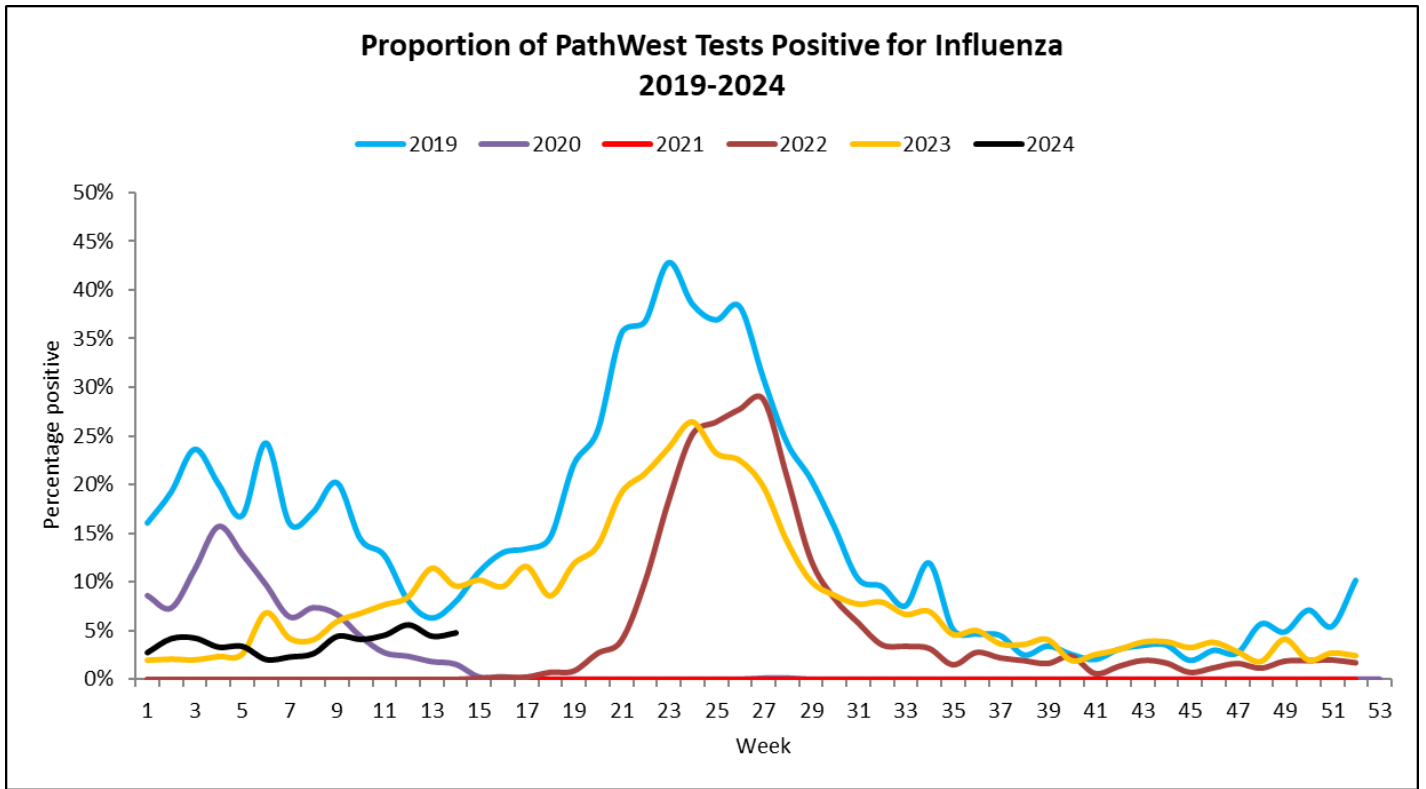


Figure 2: Proportion of respiratory samples tested for influenza at PathWest which are influenza positive, by week, for the last six years. Proportion positive data are less impacted by testing behaviours than absolute figures but fluctuate more when testing is low.

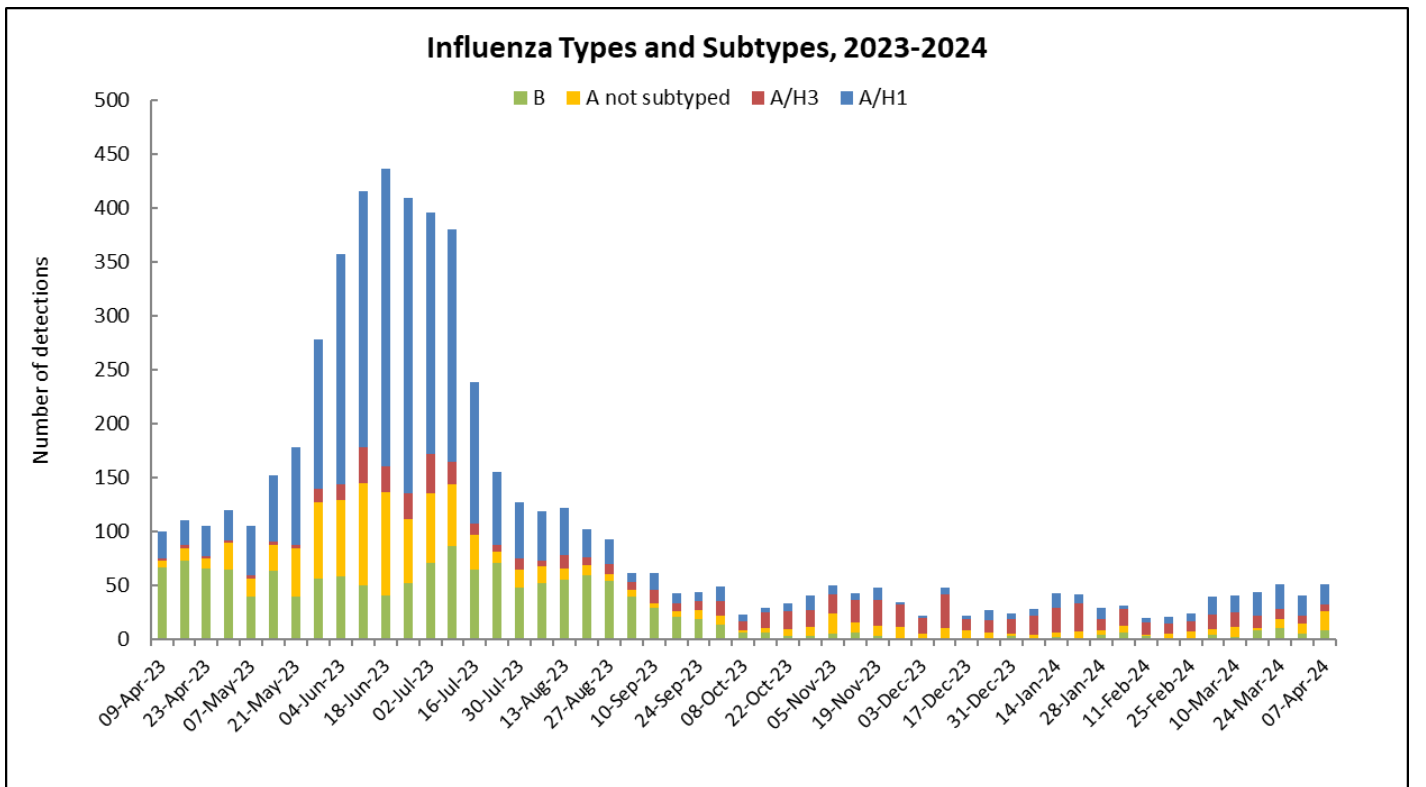


Figure 3: Influenza samples stratified by subtype, including PathWest samples and influenza samples referred from private laboratories.

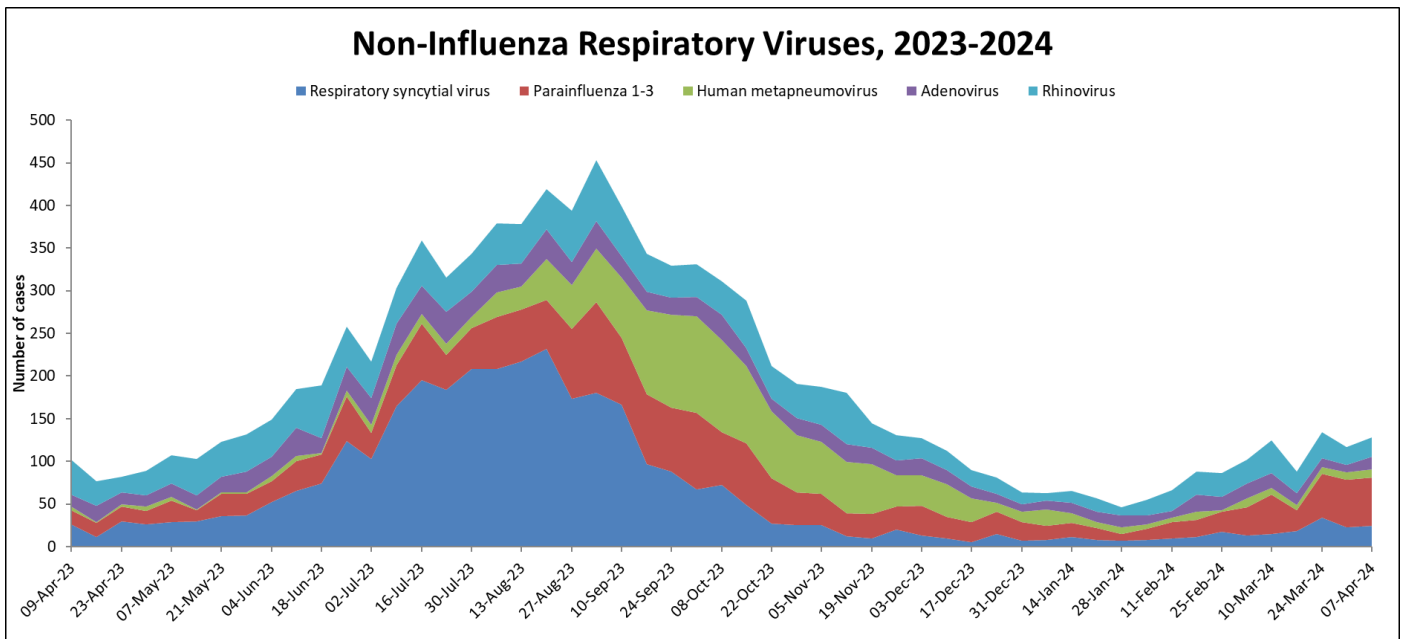


Figure 4 Cases of non-influenza respiratory virus detections at PathWest.

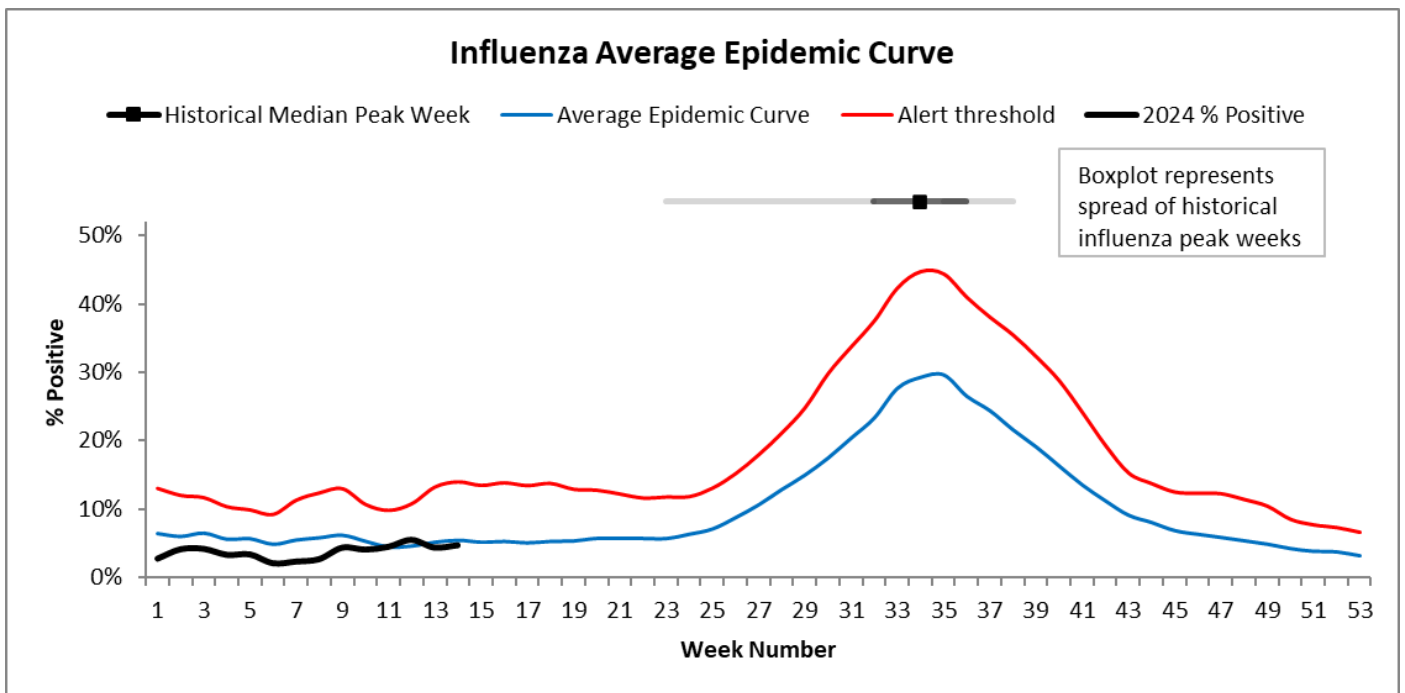


Figure 5: The proportion positive of the current influenza season plotted against the average epidemic curve for influenza. The average epidemic curve was constructed by averaging historic WA seasons using PathWest data from 2007-2019. The alert threshold is the upper 90% confidence interval of the average epidemic curve. The boxplot represents the spread of historical peak weeks of influenza.

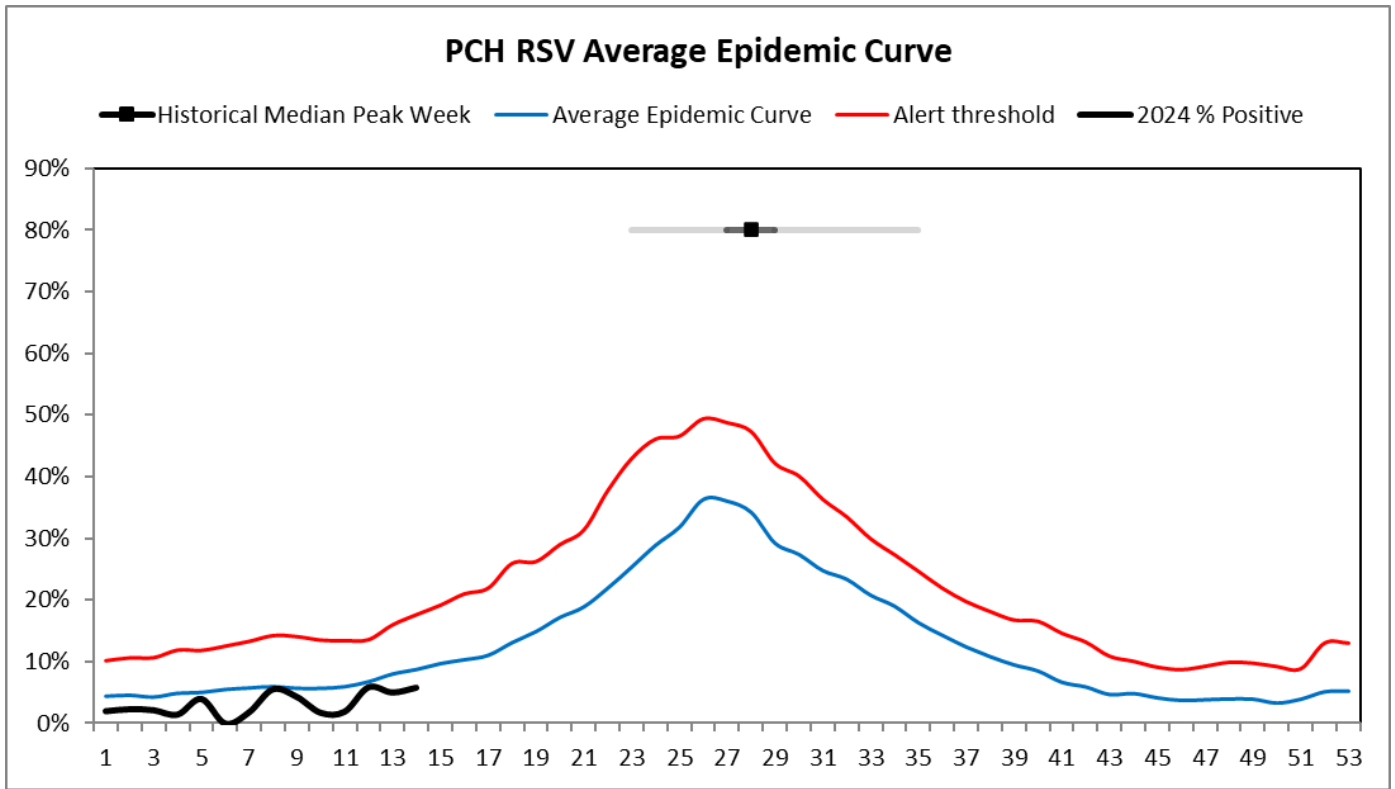


Figure 6: The proportion positive of the current RSV season plotted against the average epidemic curve for RSV at PMH/PCH. The average epidemic curve was constructed by averaging historic seasons from 2007-2019. The alert threshold is the upper 90% confidence interval of the average epidemic curve. The boxplot represents the spread of historical peak weeks of RSV.

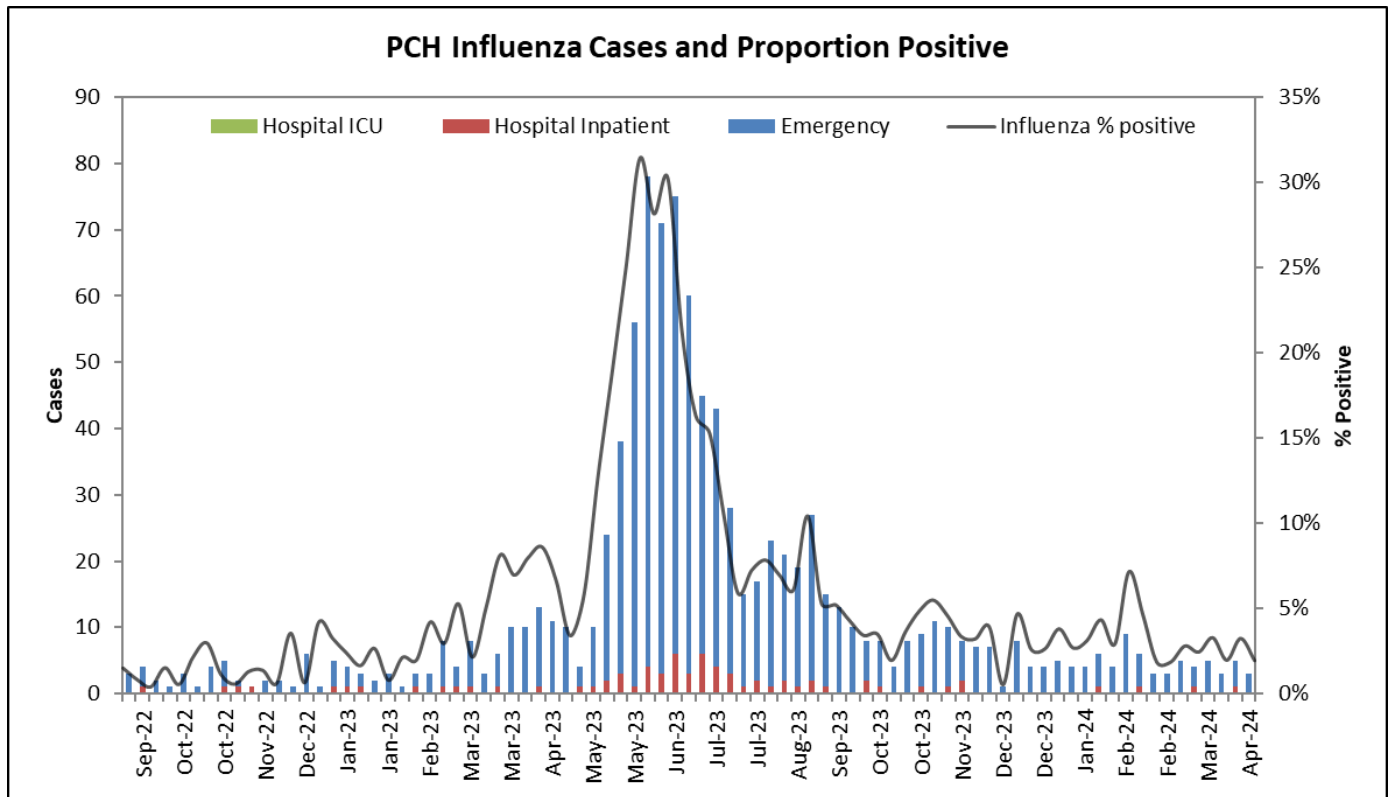


Figure 7: Influenza cases and proportion positive of PCH inpatients and PCH emergency patients.

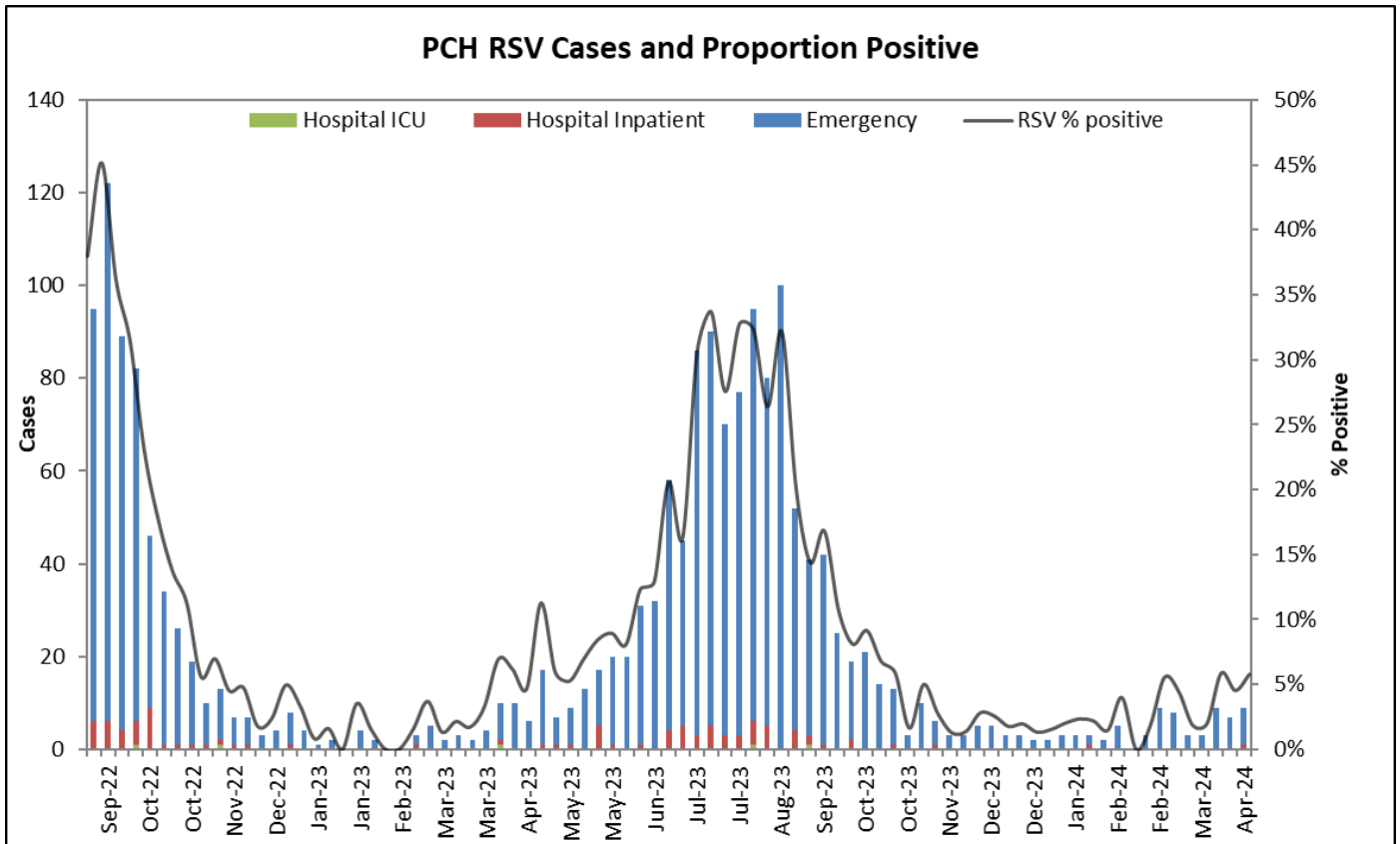


Figure 8: RSV cases and proportion positive of PCH inpatients and PCH emergency patients.

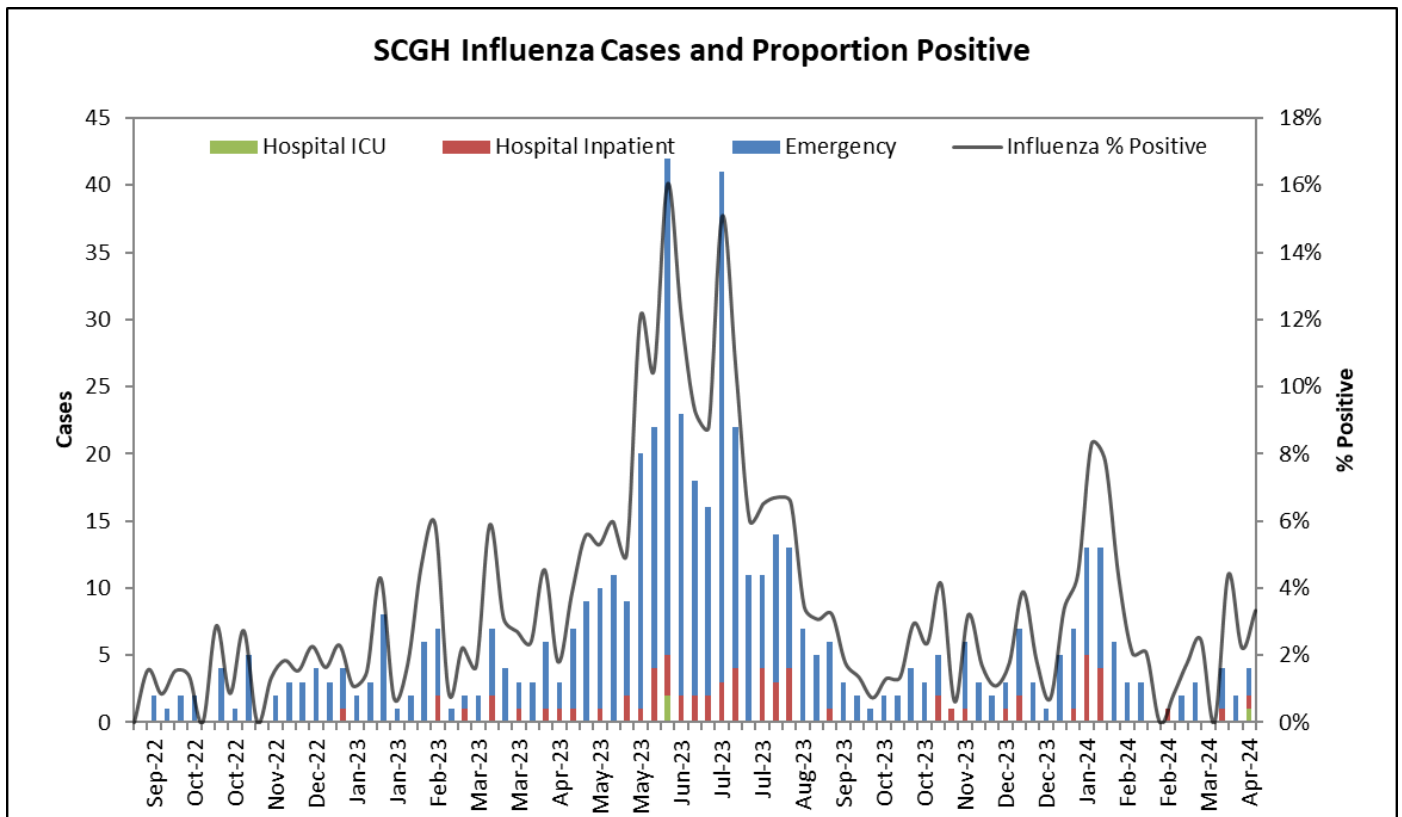


Figure 9: Influenza cases and proportion positive of SCGH inpatients and SCGH emergency patients.

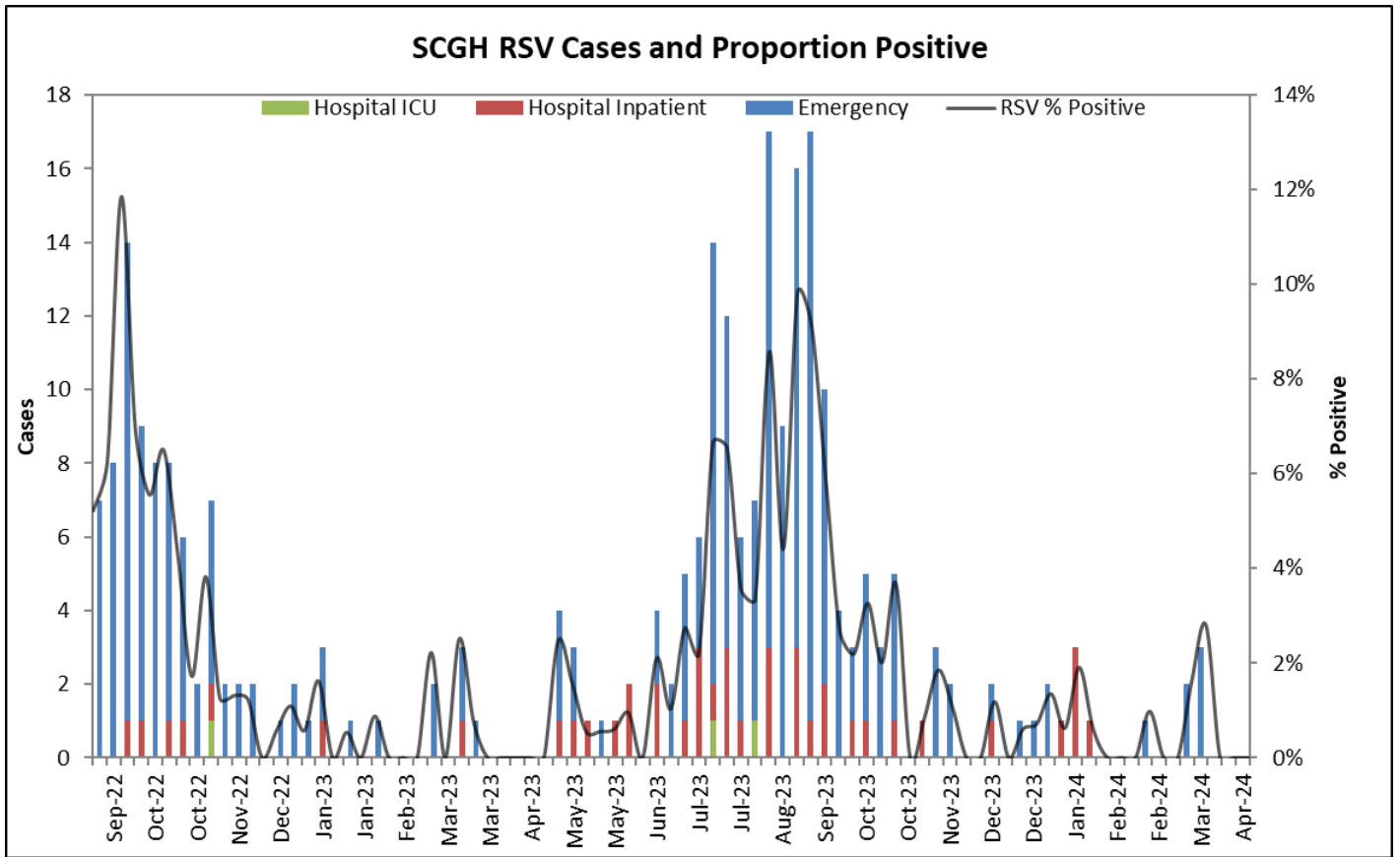


Figure 10: RSV cases and proportion positive of SCGH inpatients and SCGH emergency patients.

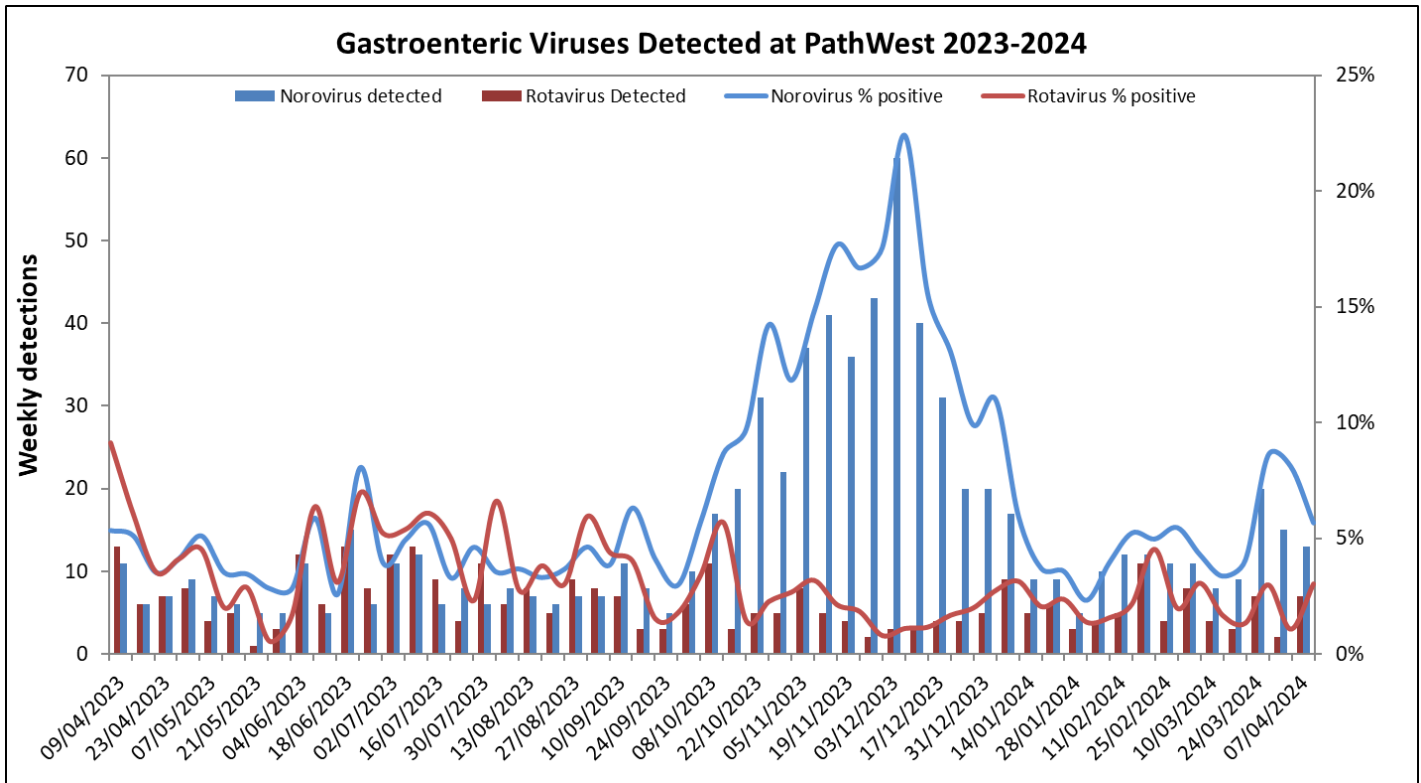


Figure 11: Norovirus and rotavirus cases detected by PathWest QEII.