

Respiratory Pathogen Report

Week 15, 10th April – 16th April 2023

- PathWest detected 143 SARS-CoV-2 cases in this reporting period. SARS-CoV-2 PCR cases and proportion positive remain low.
- PathWest detected 96 influenza cases this week. Of these, 60 were influenza B, 21 were influenza A/H1, 4 were influenza A/H3 and 11 influenza A yet to be subtyped.
- Other respiratory viruses detected this week were rhinovirus (29 cases), adenovirus (19 cases) and RSV (10 cases).

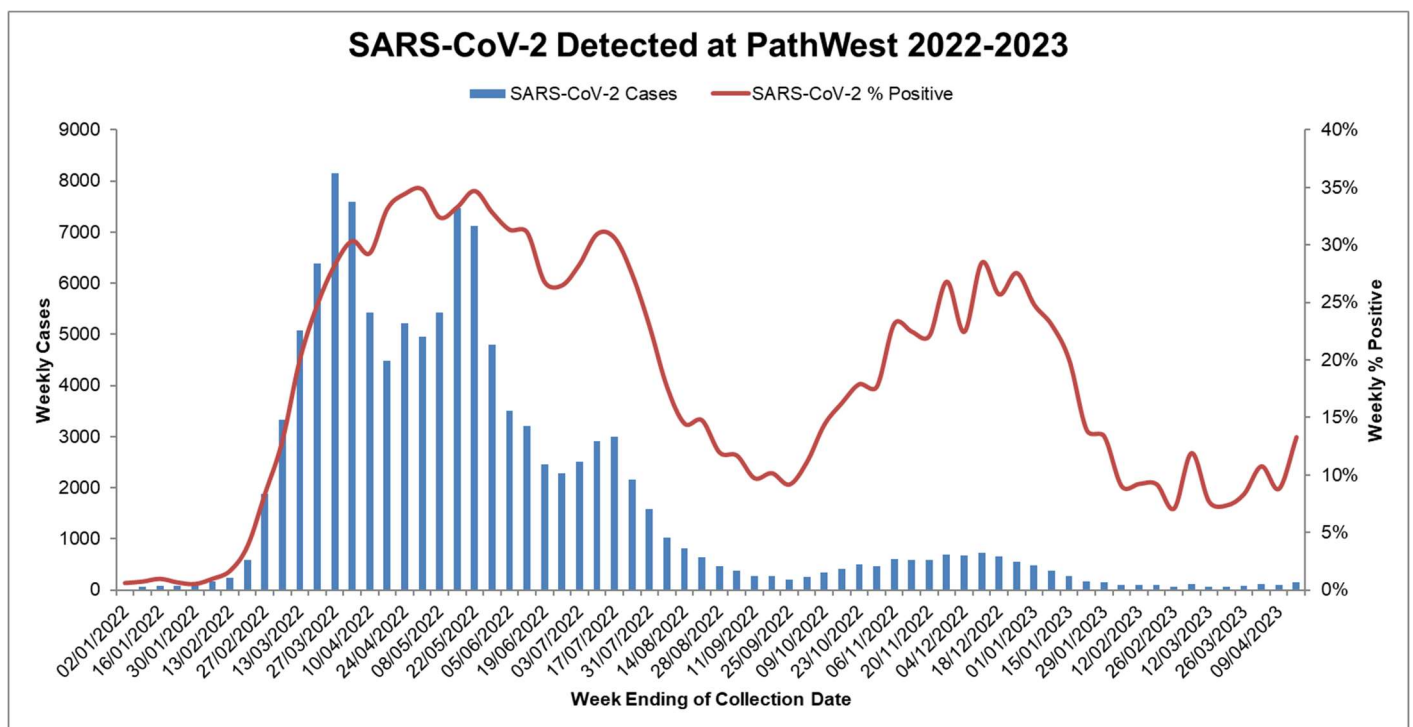


Figure 1: Daily cases and proportion positive of SARS-CoV-2 detected at PathWest.

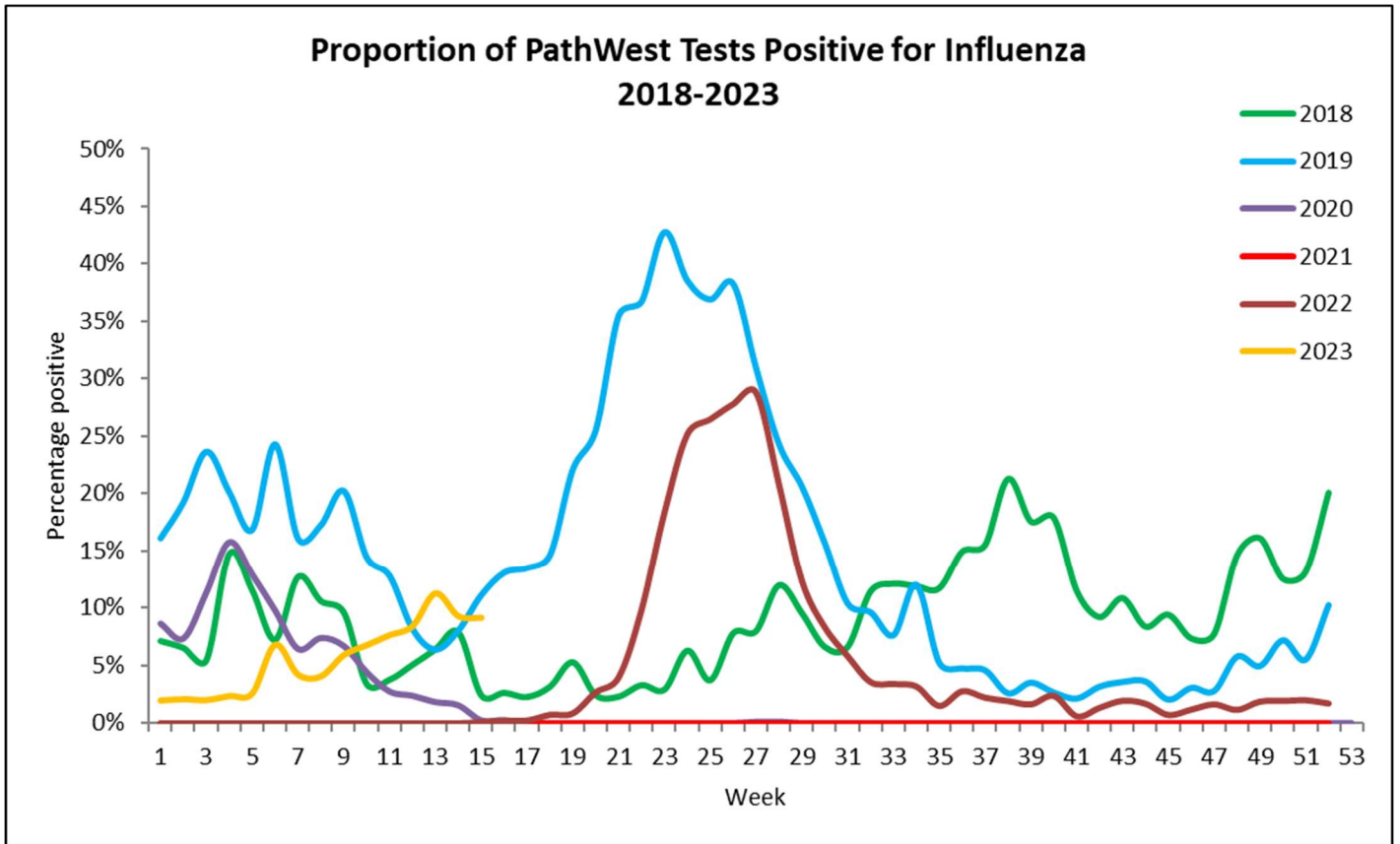


Figure 2: Proportion of respiratory samples tested for influenza at PathWest which are influenza positive, by week, for the last five years. Proportion positive data are less impacted by testing behaviours than absolute figures but fluctuate more when testing is low.

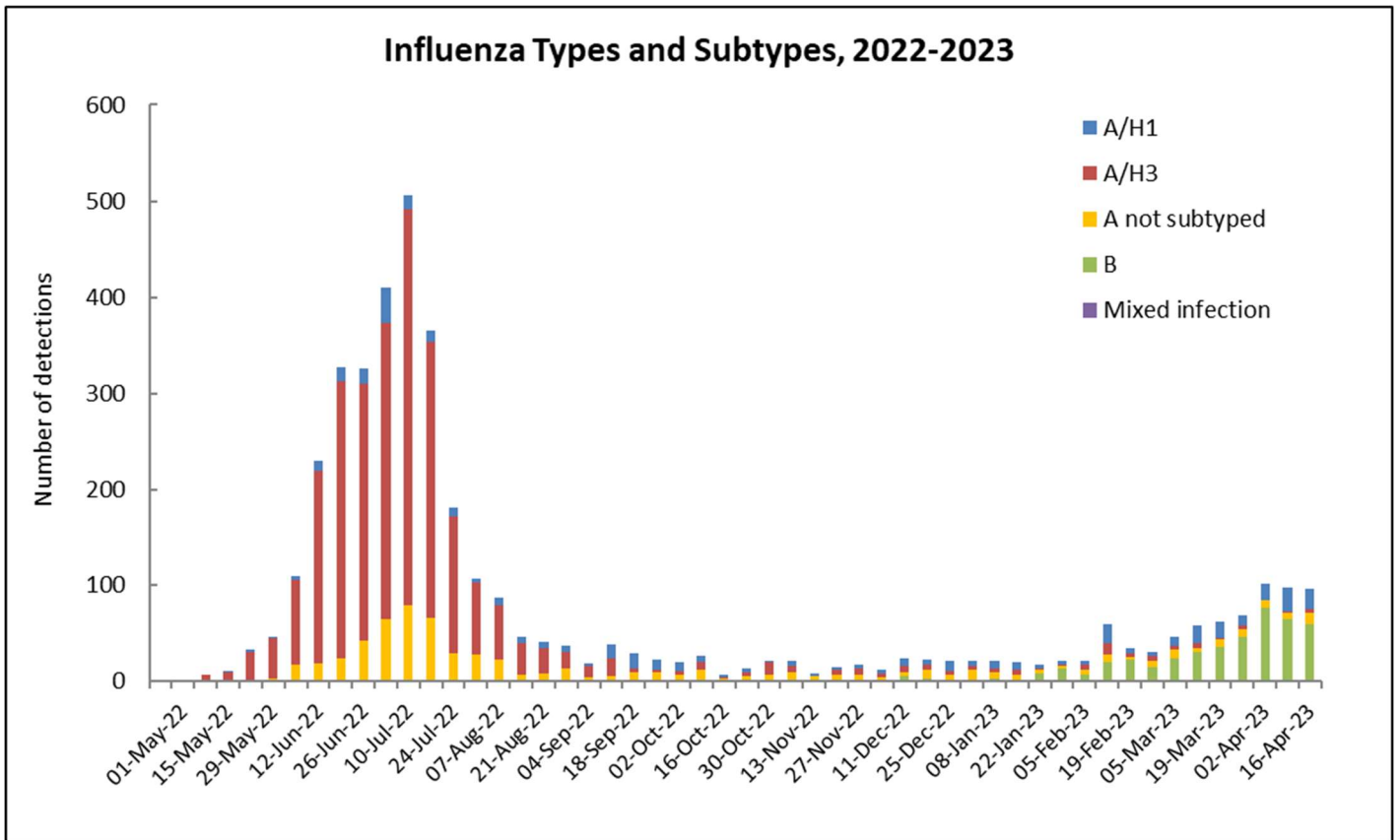


Figure 3: Influenza samples stratified by subtype, including PathWest samples and influenza samples referred from private laboratories.

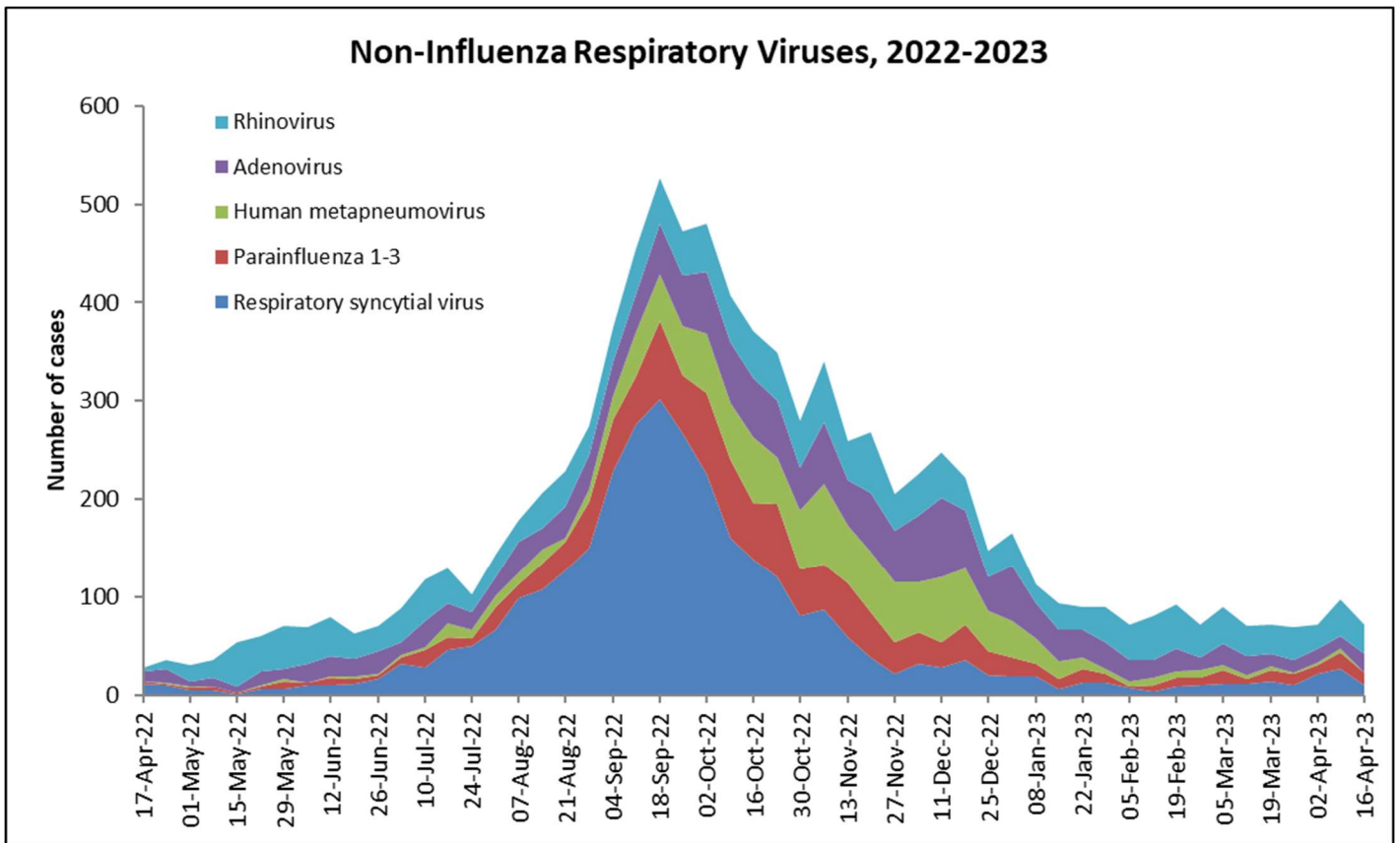


Figure 4 Cases of non-influenza respiratory virus detections at PathWest.

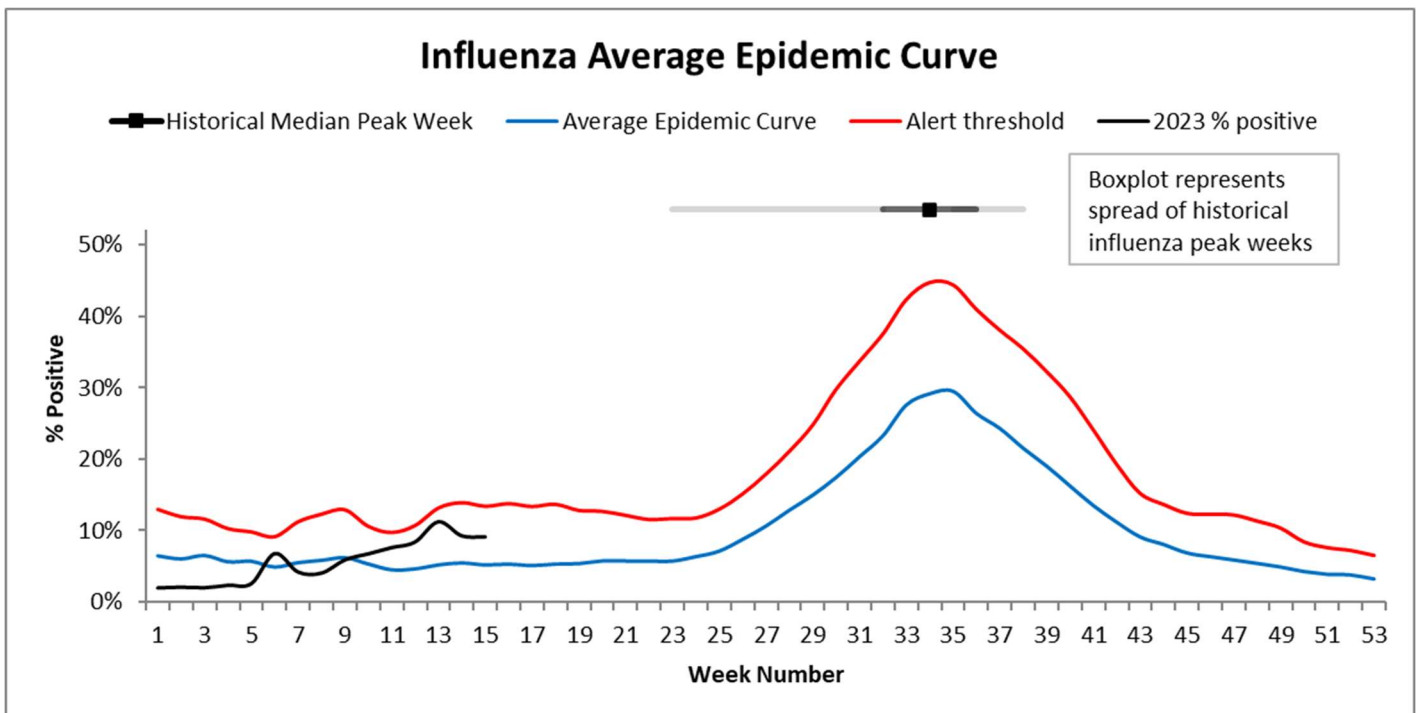


Figure 5: The proportion positive of the 2021 influenza season plotted against the average epidemic curve for influenza. The average epidemic curve was constructed by averaging historic WA seasons using PathWest data from 2007-2019. The alert threshold is the upper 90% confidence interval of the average epidemic curve. The boxplot represents the spread of historical peak weeks of influenza.

PMH/PCH RSV Average Epidemic Curve

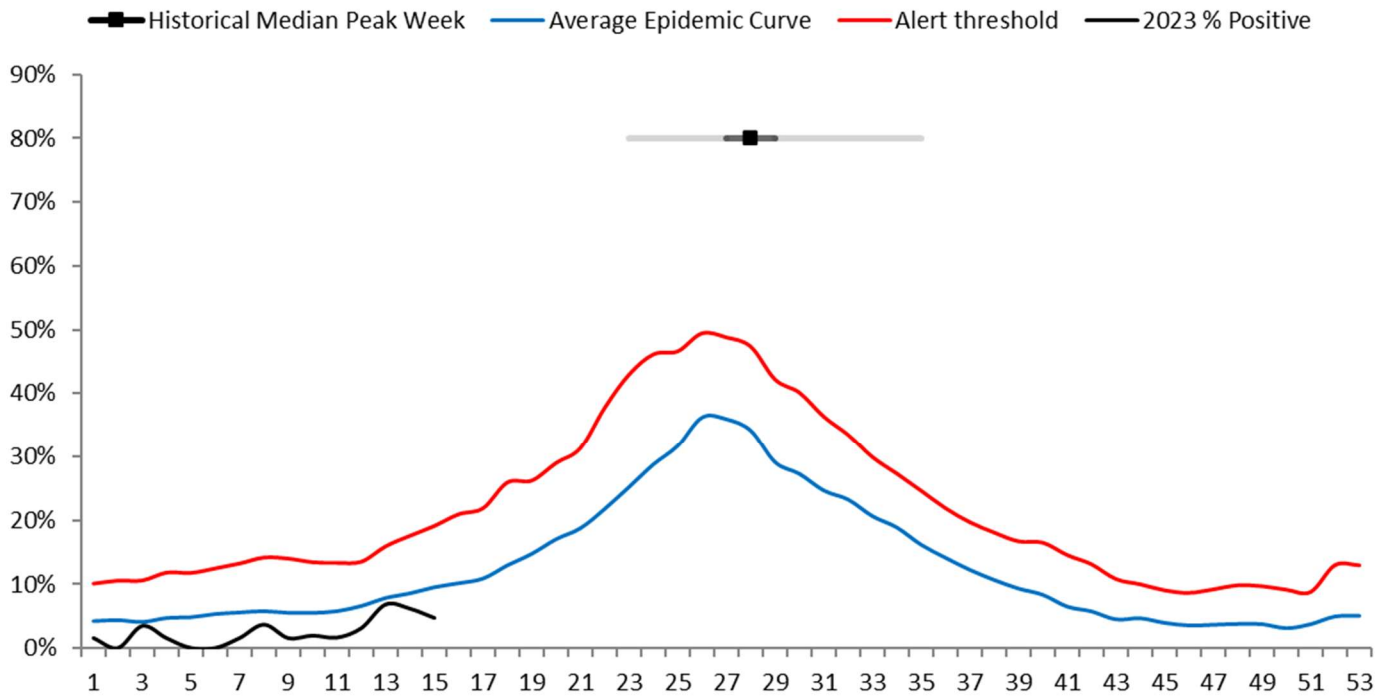


Figure 6: The proportion positive of the 2021 RSV season plotted against the average epidemic curve for RSV at PMH/PCH. The average epidemic curve was constructed by averaging historic seasons from 2007-2019. The alert threshold is the upper 90% confidence interval of the average epidemic curve. The boxplot represents the spread of historical peak weeks of RSV.

PMH/PCH Influenza Cases and Proportion Positive

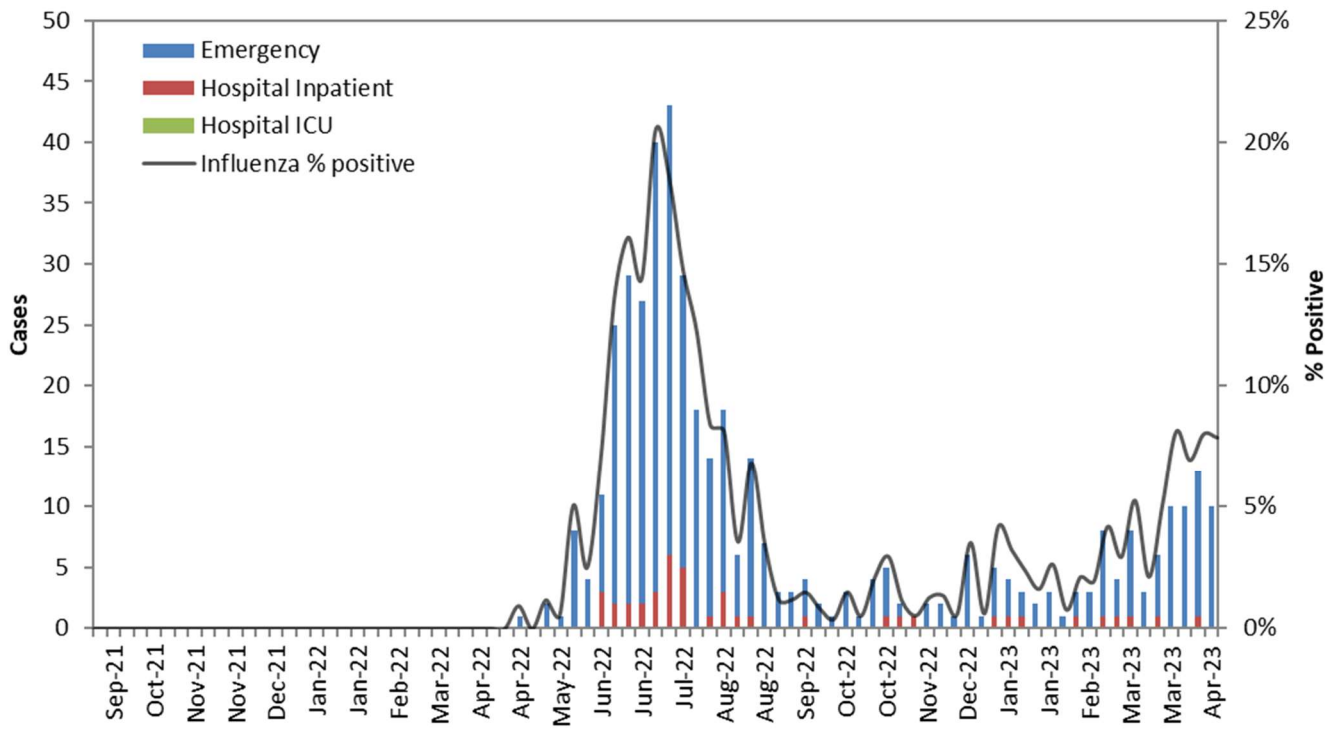


Figure 7: Influenza cases and proportion positive of PCH inpatients and PCH emergency patients.

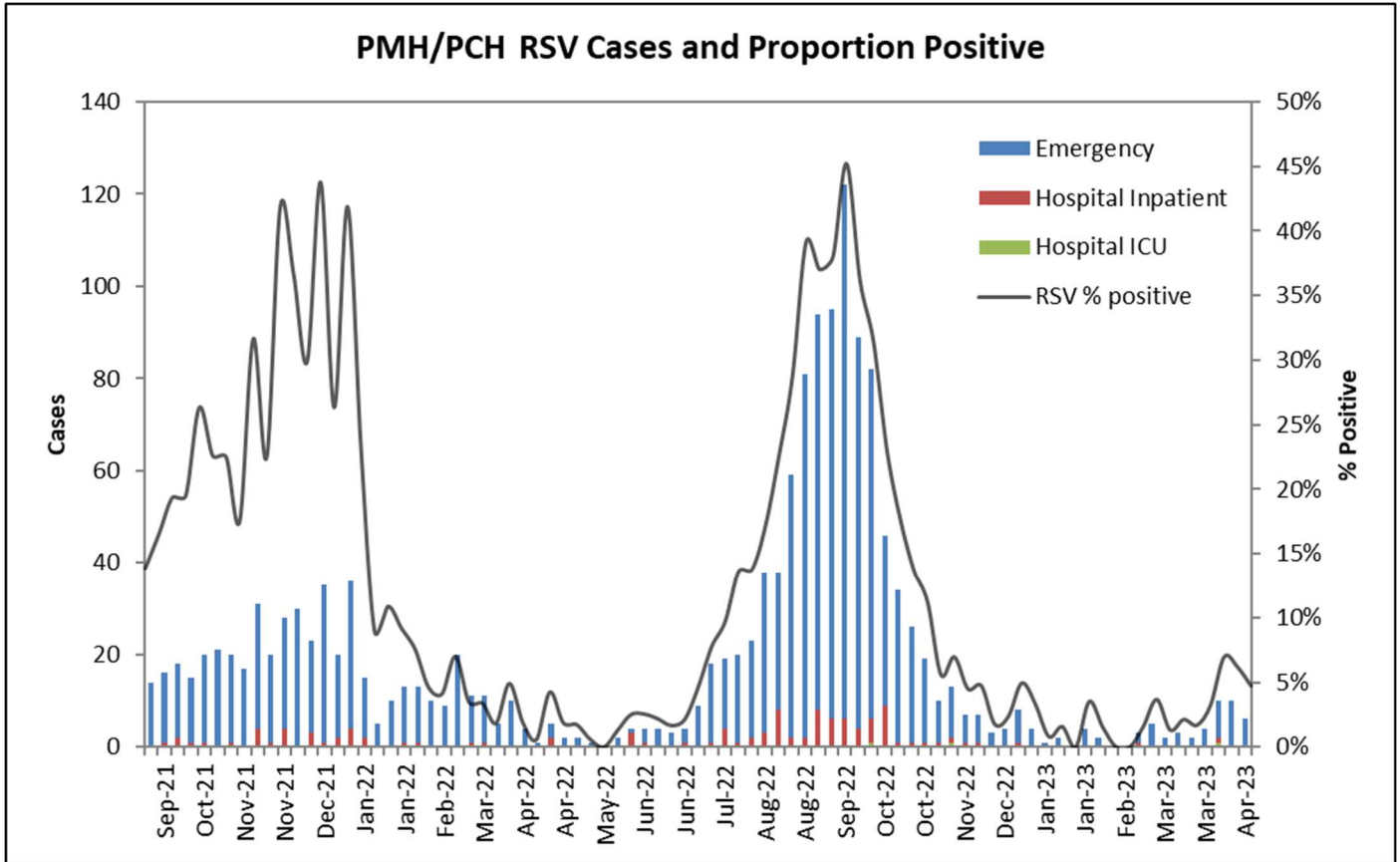


Figure 8: RSV cases and proportion positive of PCH inpatients and PCH emergency patients.

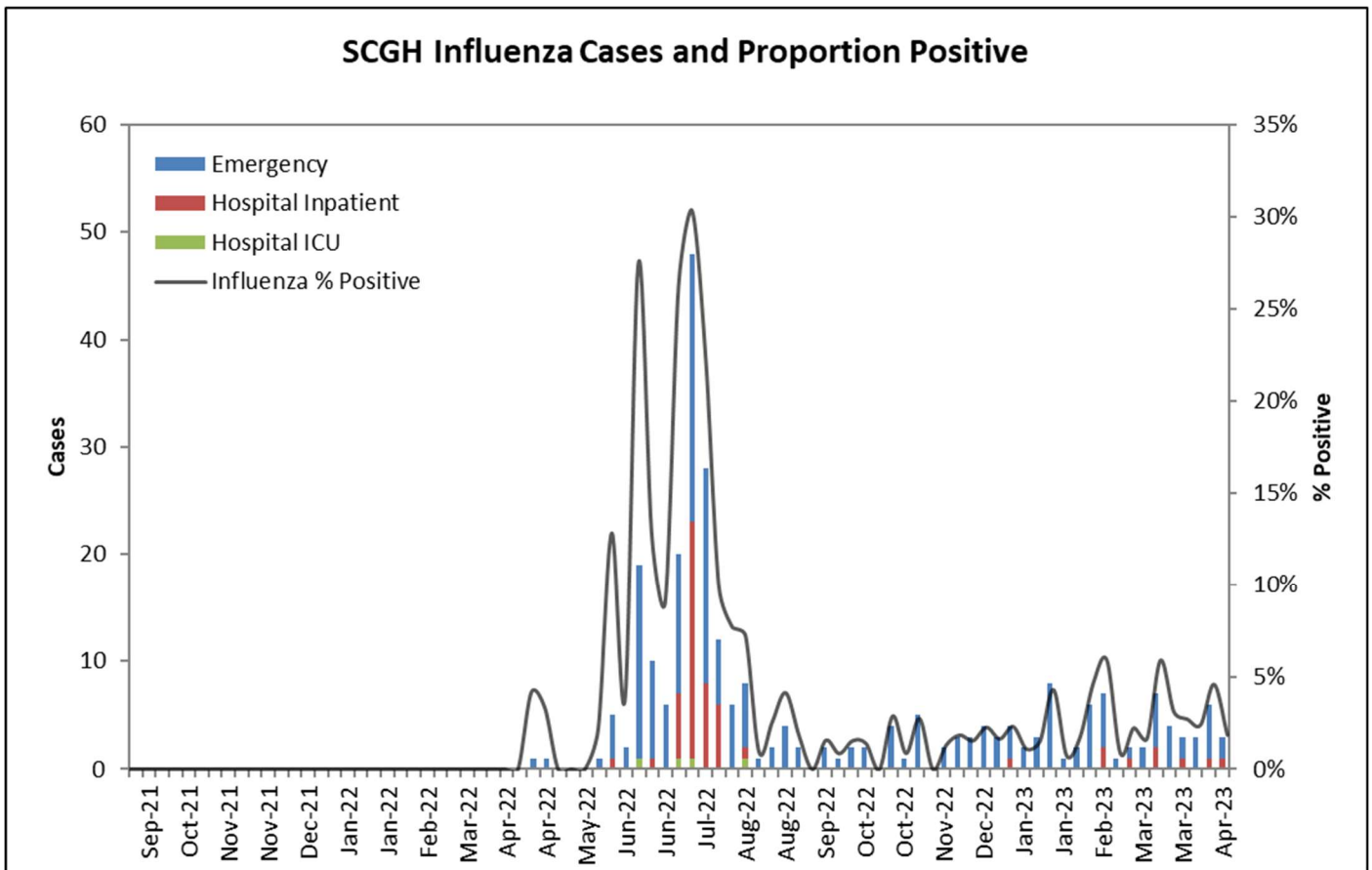


Figure 9: Influenza cases and proportion positive of SCGH inpatients and SCGH emergency patients.

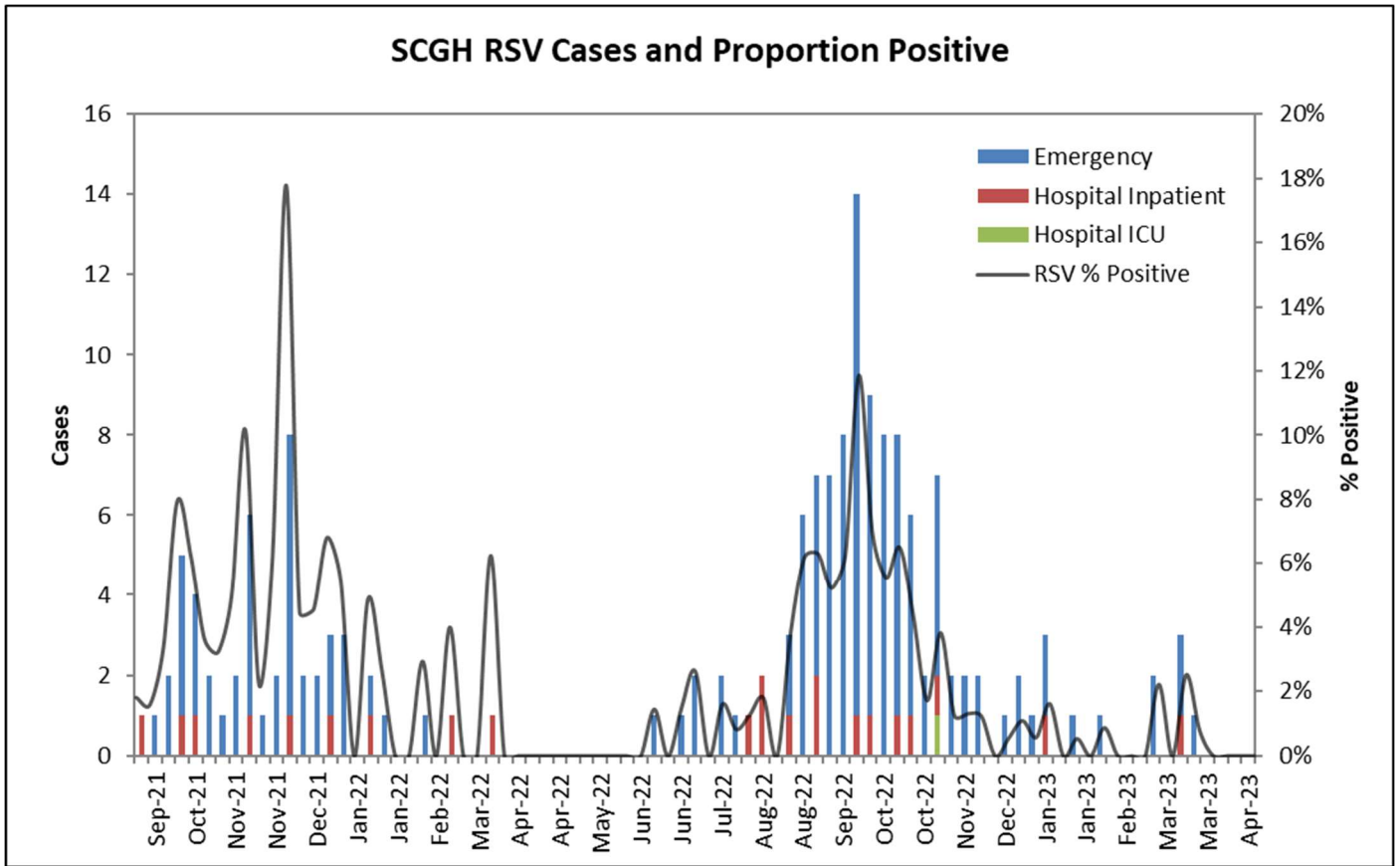


Figure 10: RSV cases and proportion positive of SCGH inpatients and SCGH emergency patients.

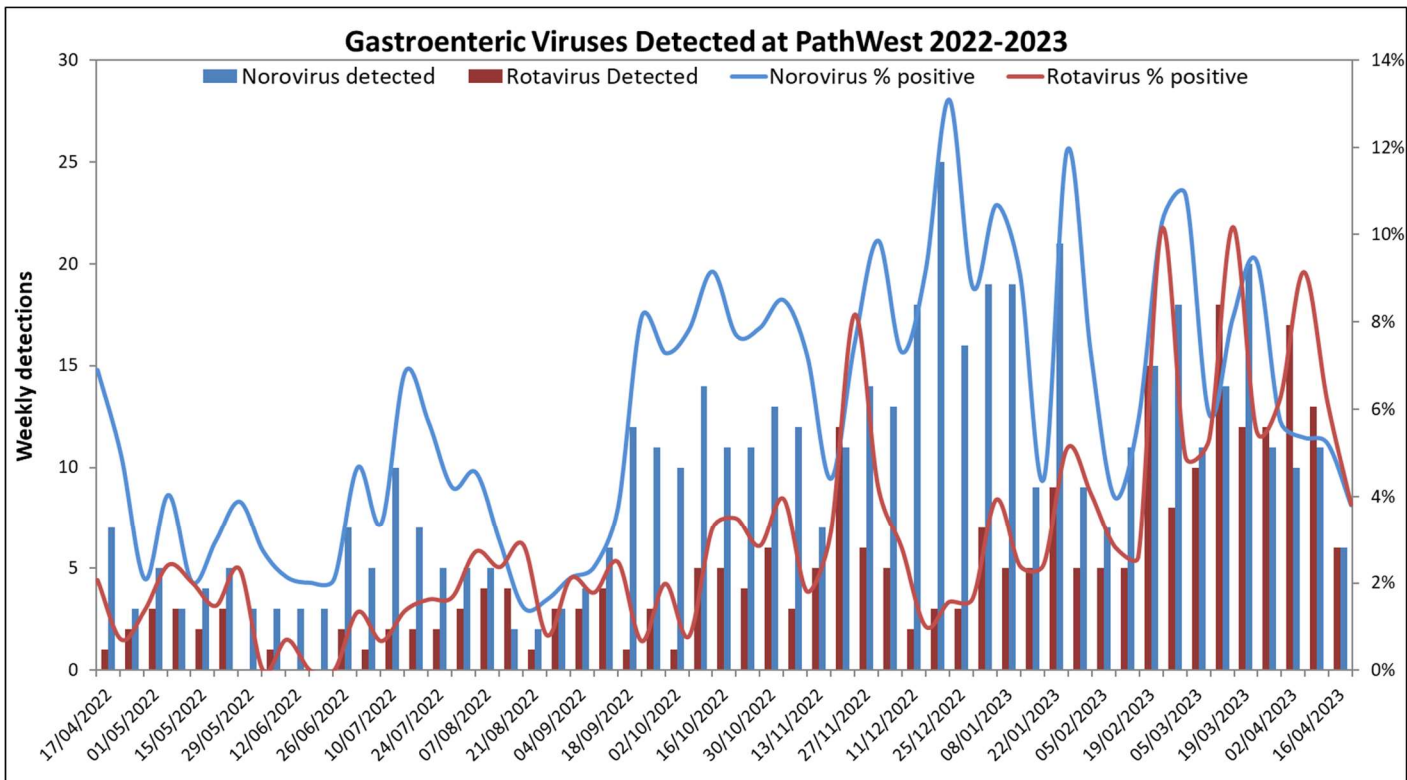


Figure 11: Norovirus and rotavirus cases detected by PathWest QE2.