

# Respiratory Pathogen Report

## Week 24, 13<sup>th</sup> June – 19<sup>th</sup> June 2022

- Influenza cases increased this week, with 292 detected at PathWest. Of these, 259 were influenza A/H3, 12 were influenza A/H1 and 21 are yet to be subtyped.
- Influenza proportion positive increased to 23% this week.
- The most common respiratory virus detected this week was SARS-CoV-2 (2431 cases).
- There were 26 cases of rhinovirus and 17 cases of adenovirus.

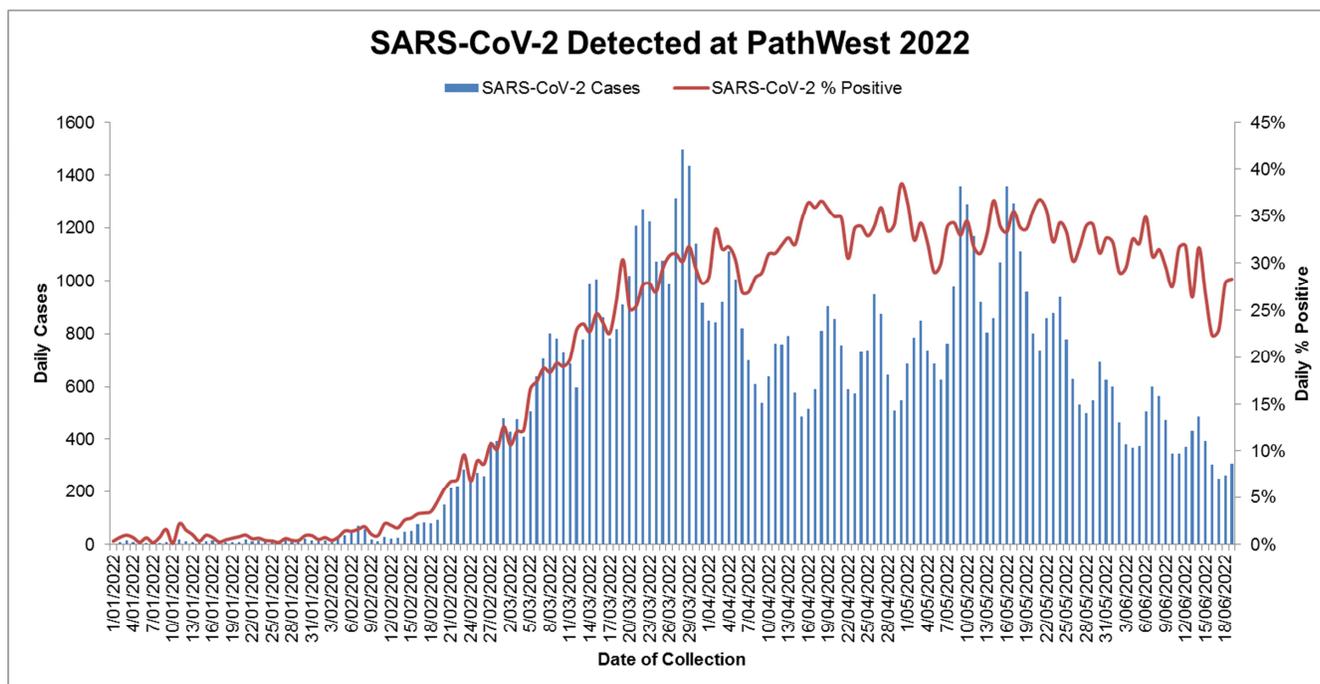
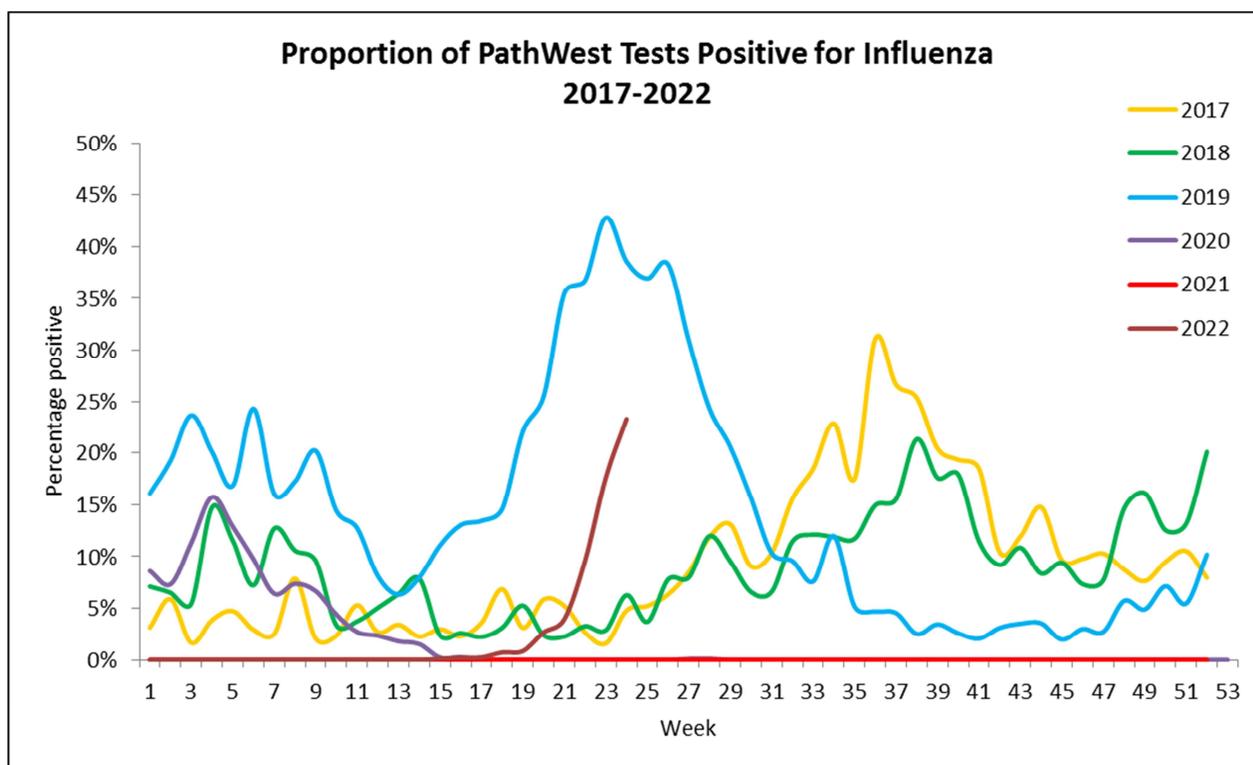
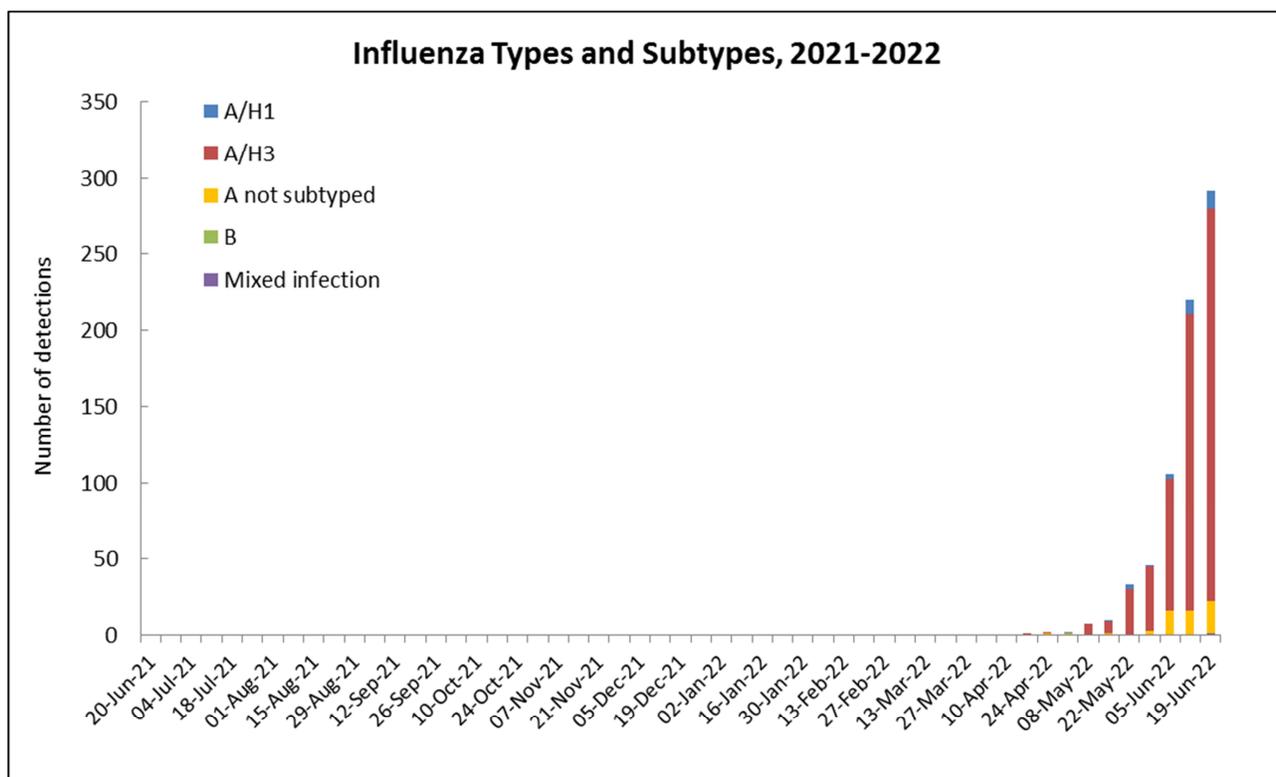


Figure 1: Daily cases and proportion positive of SARS-CoV-2 detected at PathWest



**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.

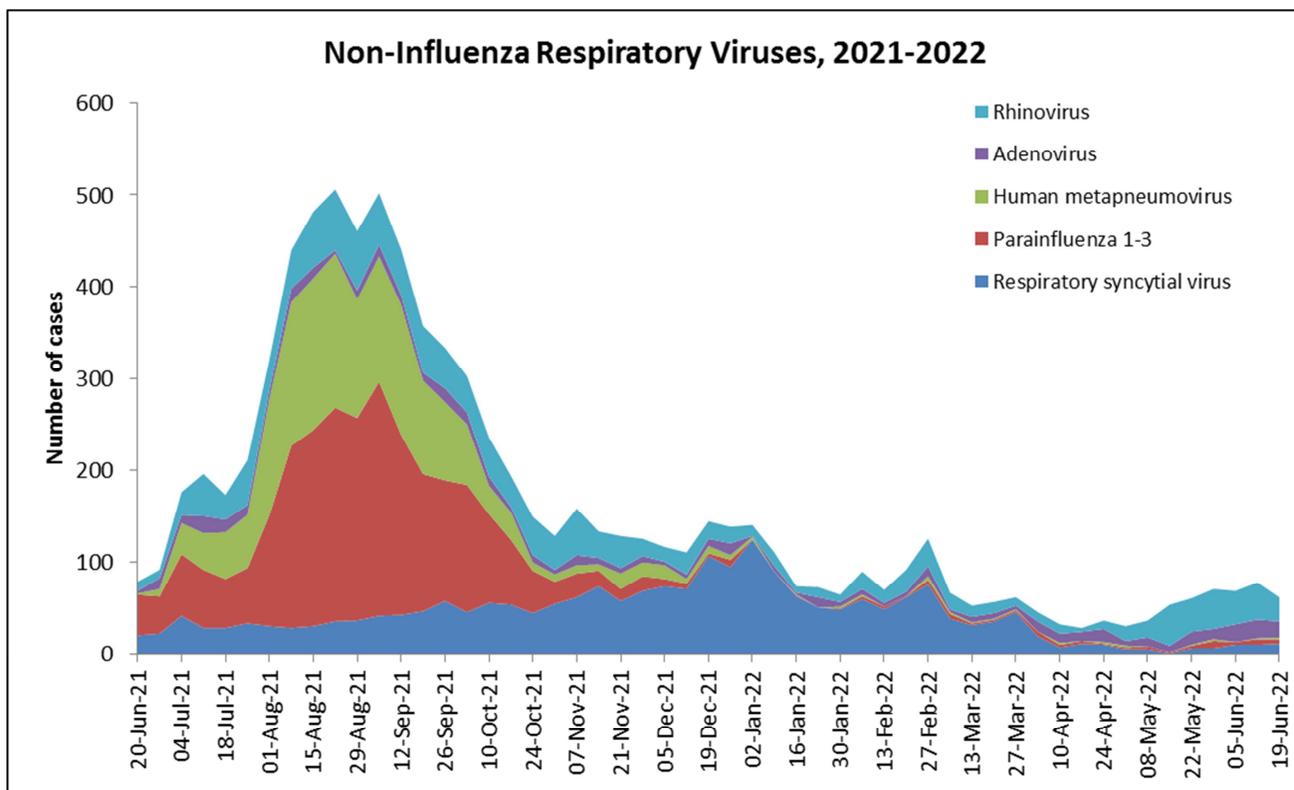


Figure 4 Cases of non-influenza respiratory virus detections at PathWest

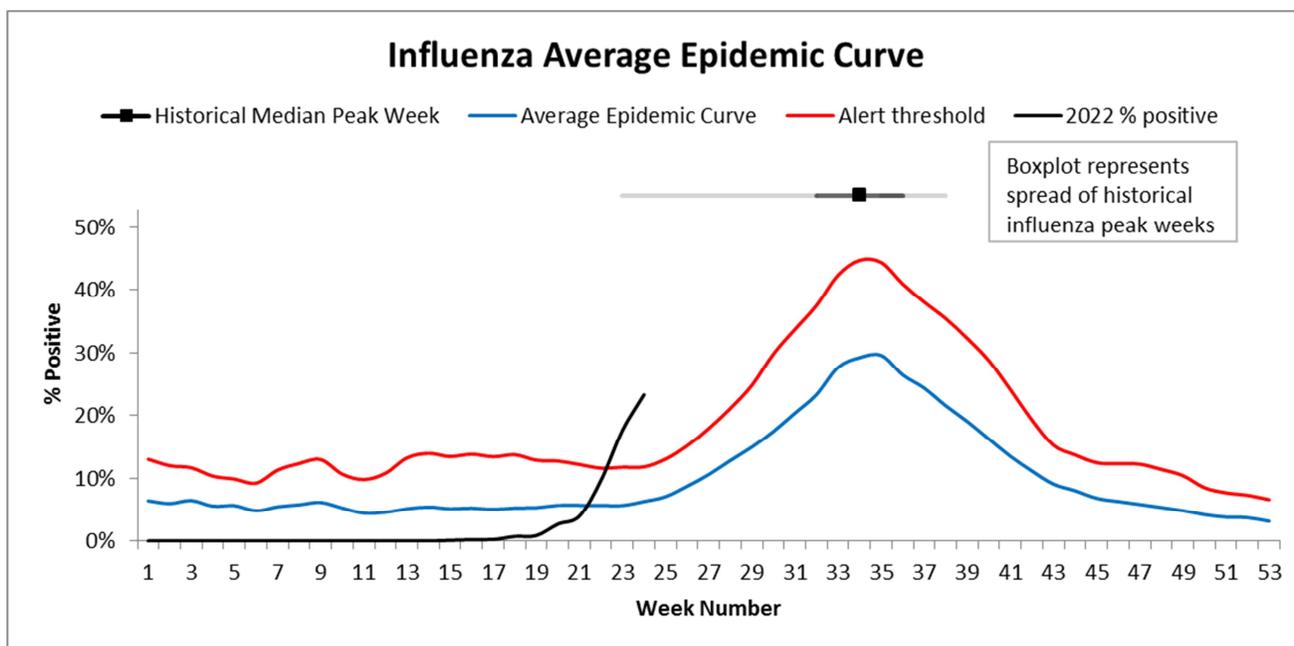
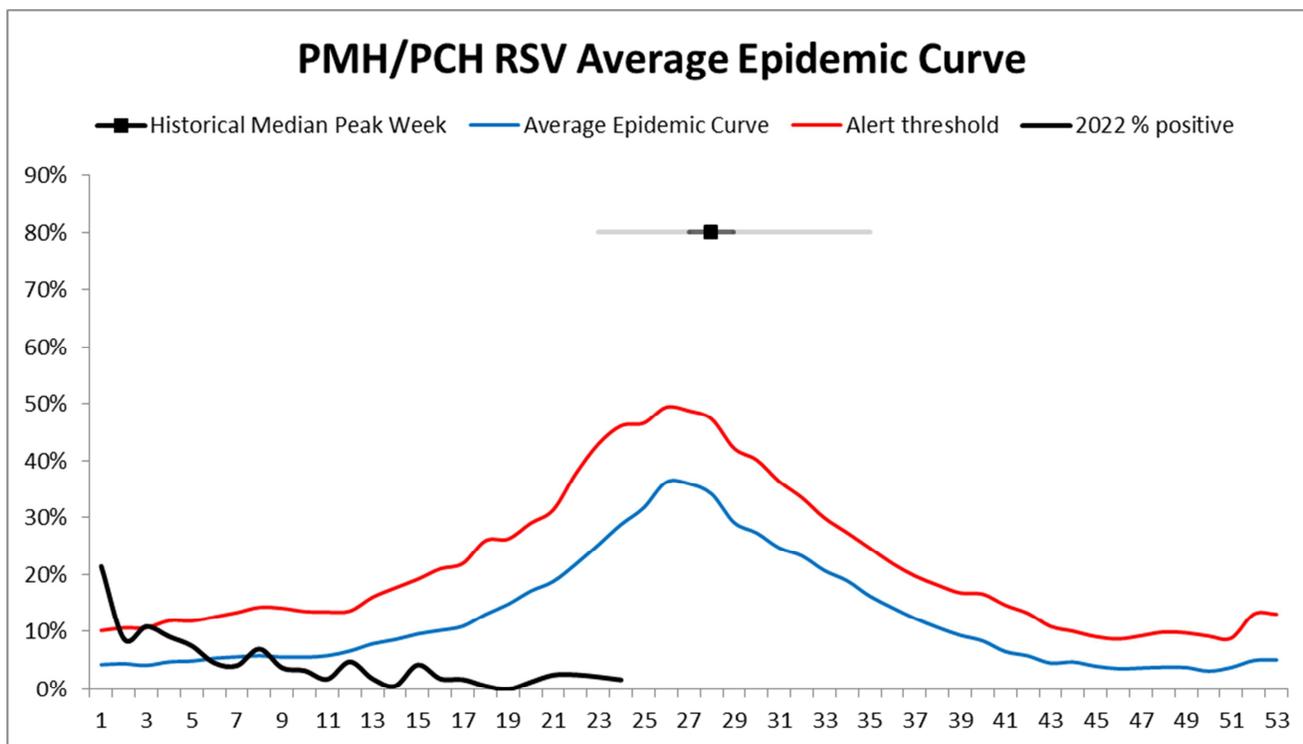
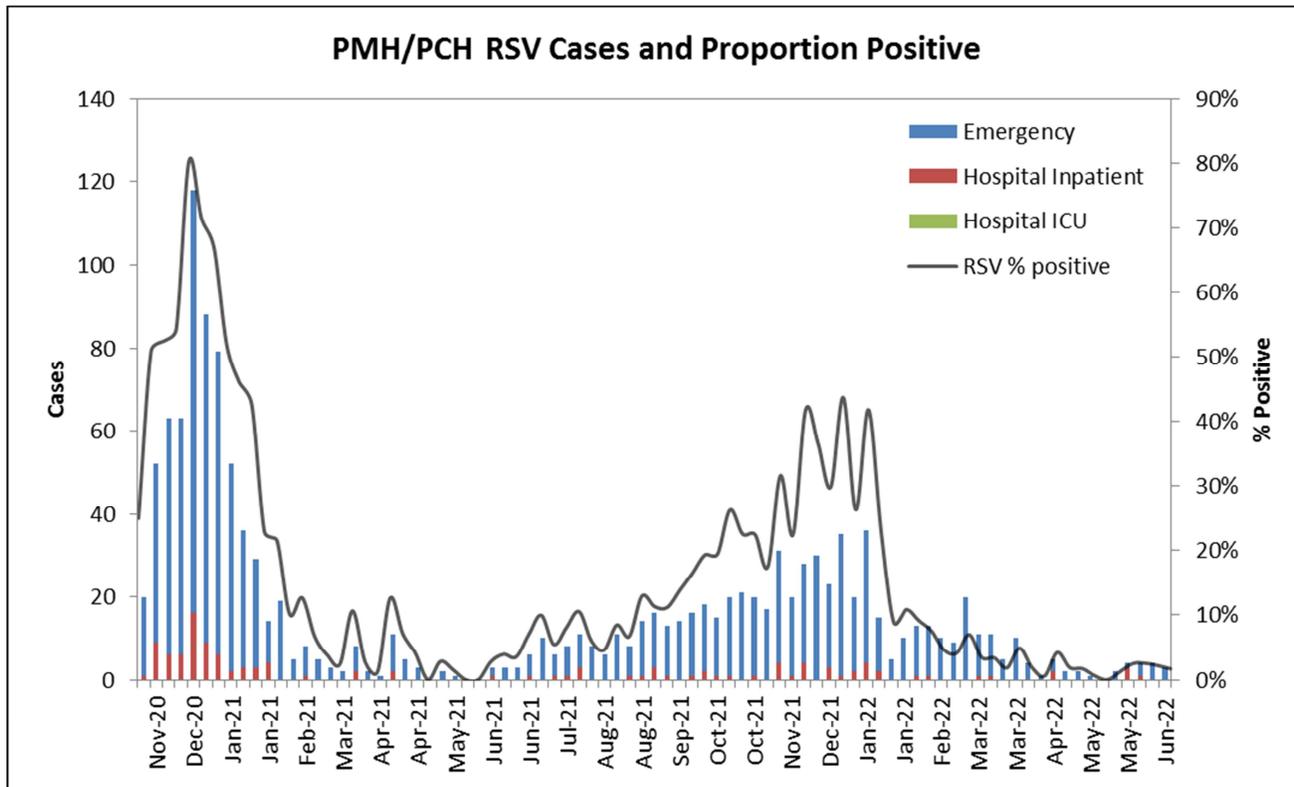


Figure 5: The proportion positive of the 2021 influenza season plotted against the average epidemic curve for influenza. The average epidemic curve was constructed by averaging historic WA seasons using PathWest data from 2007-2019. The alert threshold is the upper 90% confidence interval of the average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



**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.



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

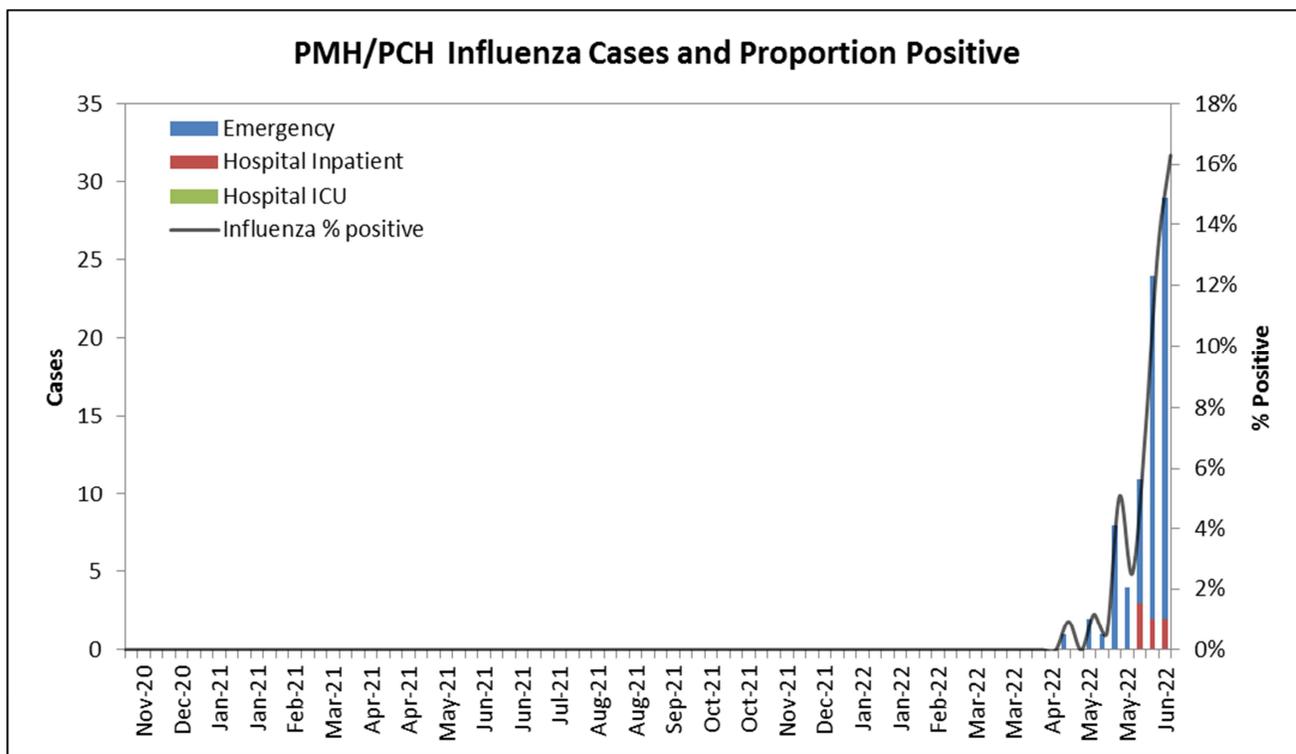


Figure 8: Influenza cases and proportion positive of PCH inpatients and PCH emergency patients.

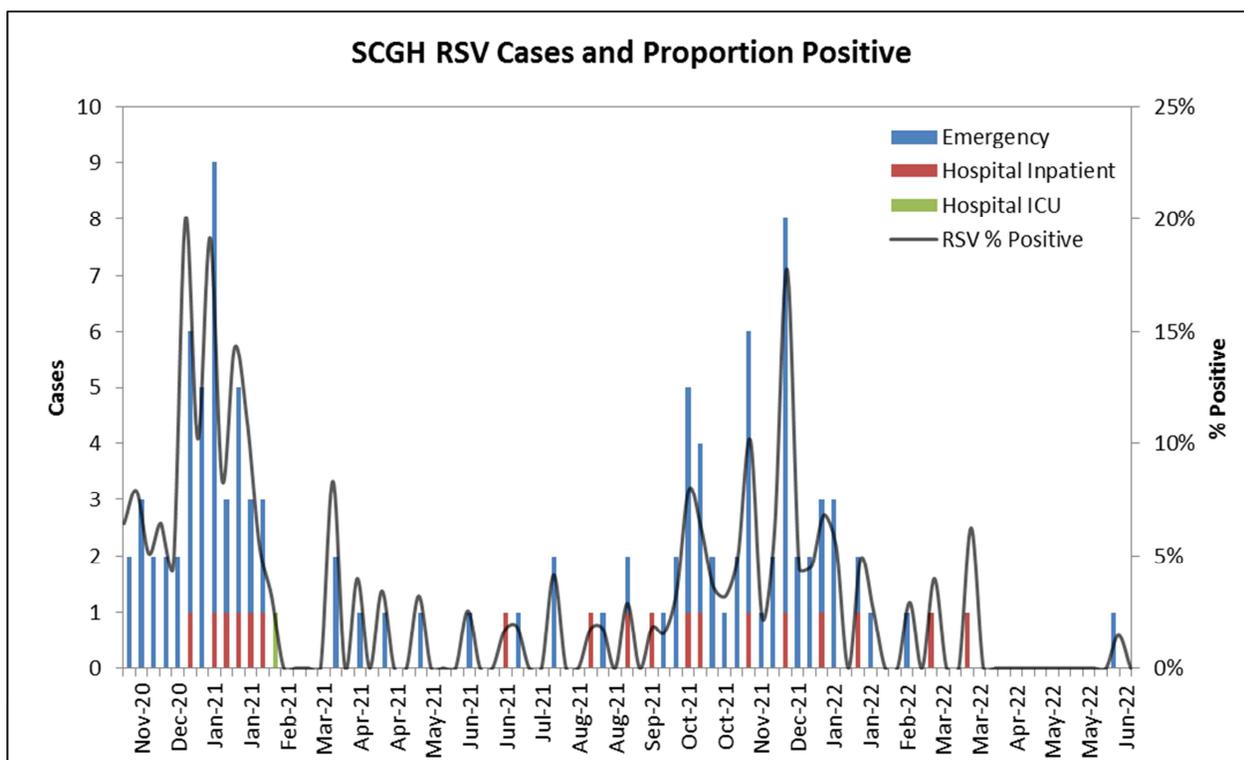


Figure 9: RSV cases and proportion positive of SCGH inpatients and SCGH emergency patients.

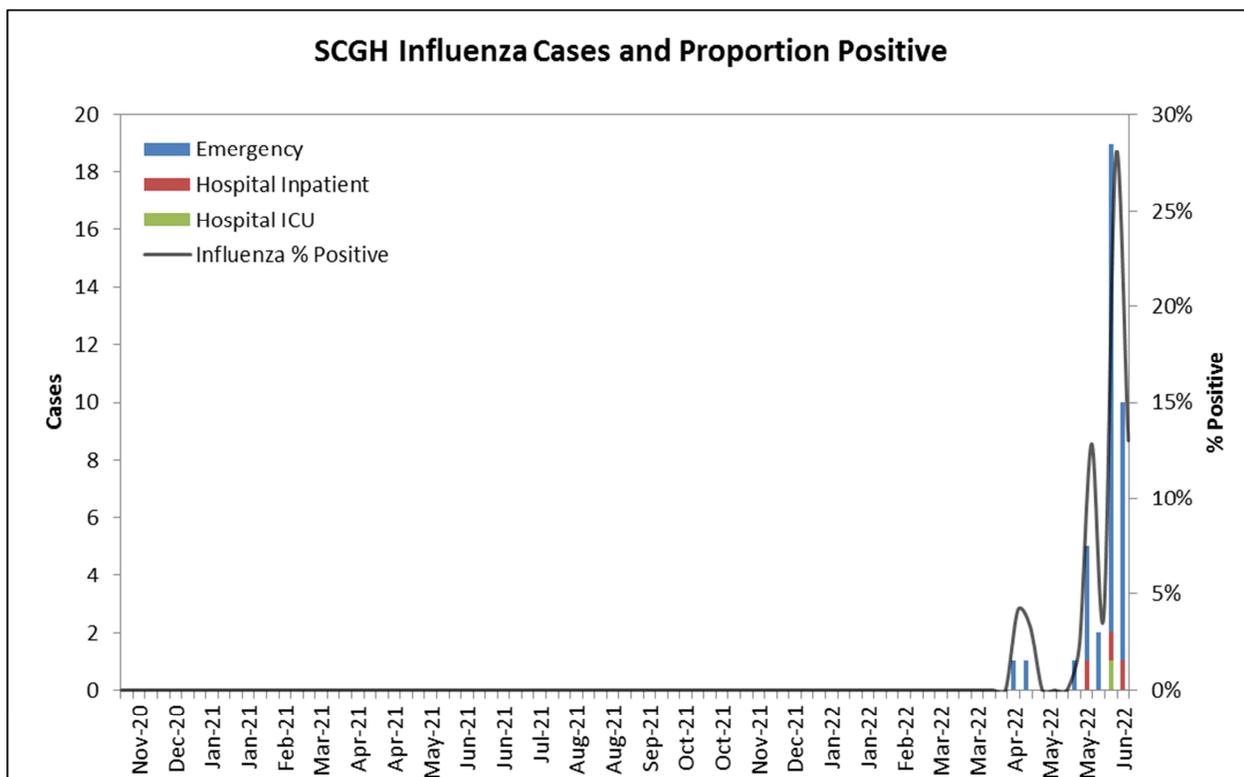


Figure 10: Influenza cases and proportion positive of SCGH inpatients and SCGH emergency patients.

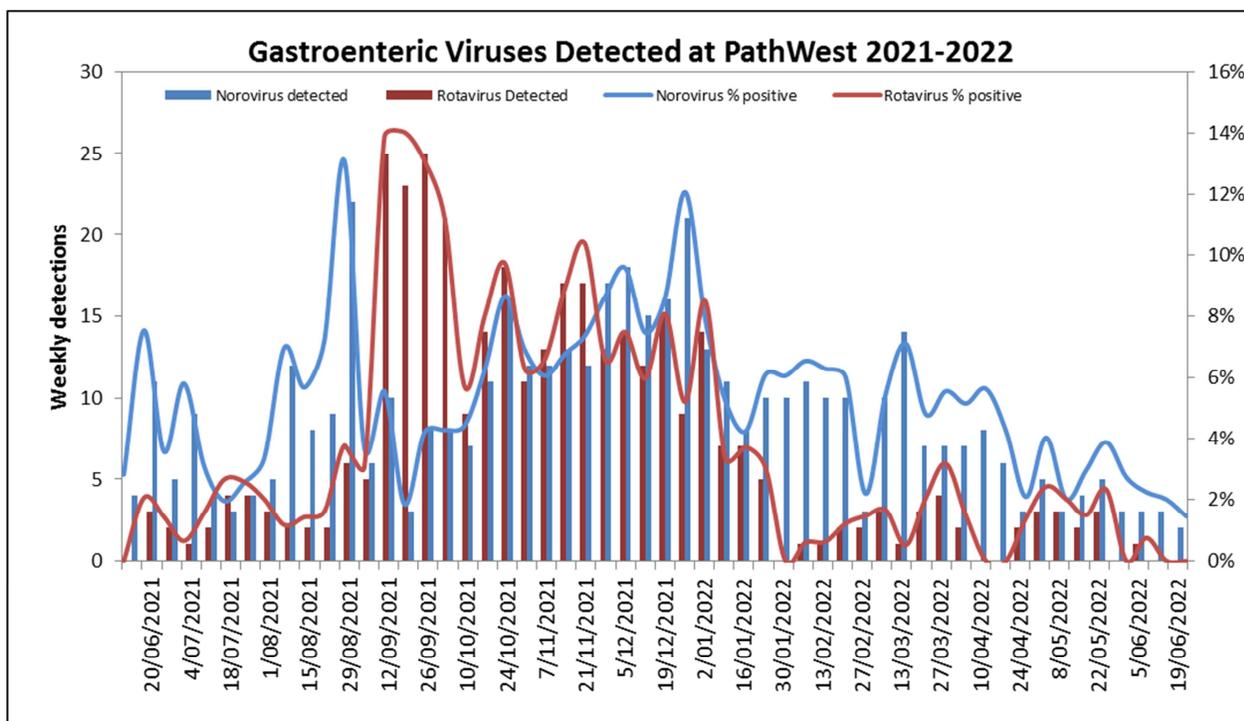


Figure 11: Norovirus and rotavirus cases detected by PathWest QE2