

Paediatric Respiratory Pathogen Report Week 11, 14th March – 20th March 2022

- The most common respiratory virus detected in paediatric patients this week was SARS-CoV-2, with 1633 cases.
- There were 17 paediatric cases of RSV this week, five of these were in the Metropolitan region.
- There were no paediatric influenza cases detected at PathWest this week.

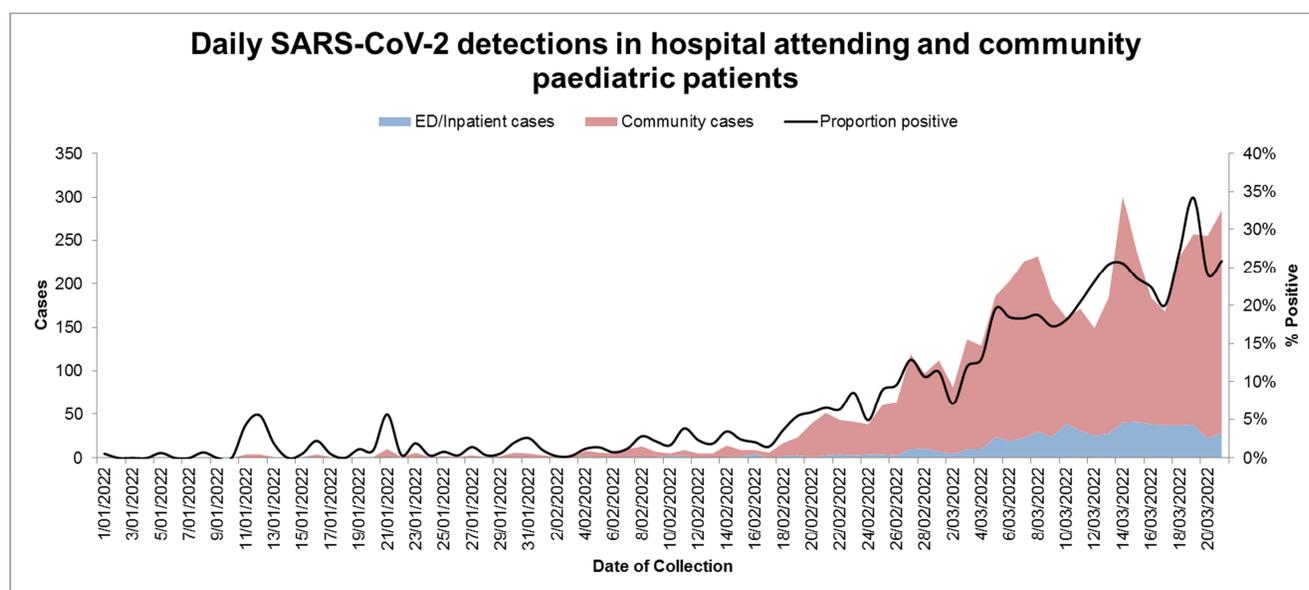


Figure 1: Daily SARS-CoV-2 detections in hospital attending patients and community paediatric patients. Data is for PCR samples tested by PathWest only.

SARS-COV-2 detections and proportion positive in paediatric patients are increasing.

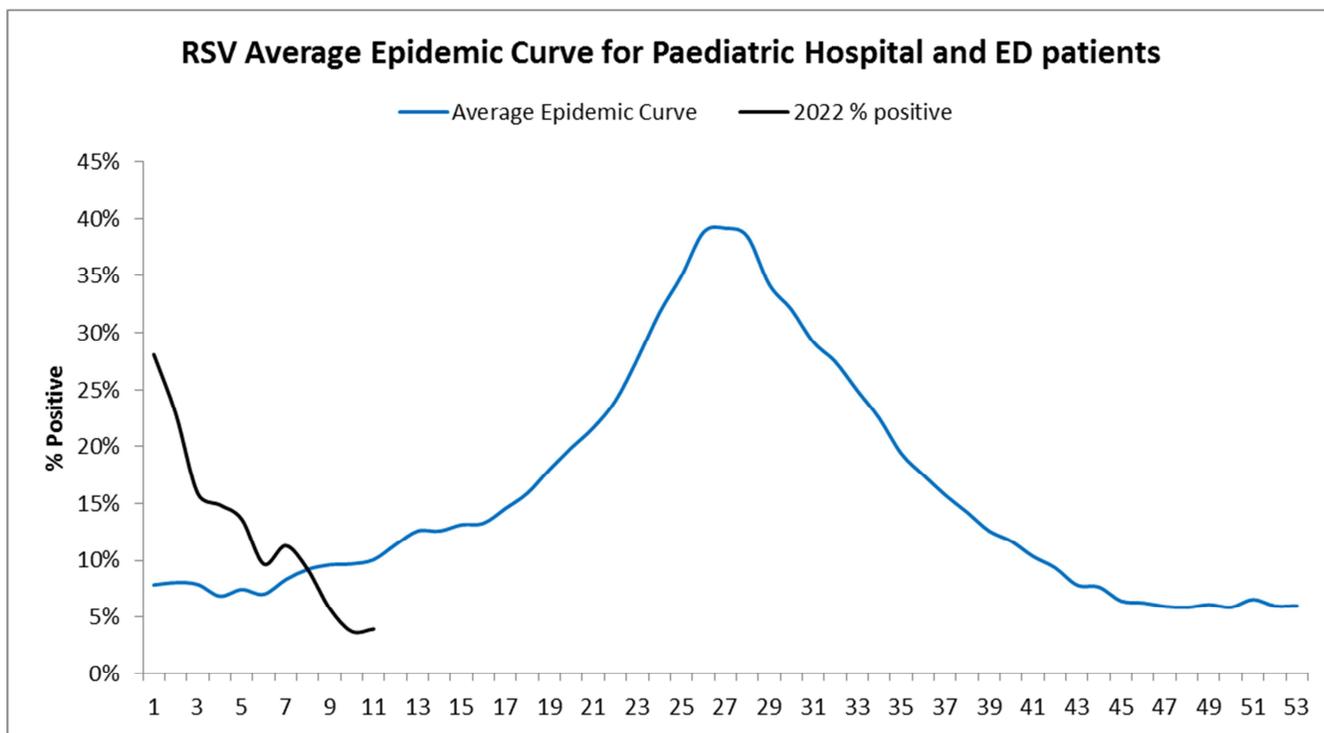


Figure 1: The current season plotted against the Paediatric RSV Average Epidemic Curve. The average epidemic curve was constructed by averaging all seasons measured at PathWest QE2 from 2007-2019. The high intensity threshold is 1.645 standard deviations above (upper 90% CI) the average epidemic curve. Data represents all WA hospitalised and ED paediatric patients tested by PathWest.

RSV proportion positive (4%) is declining and is below levels historically observed at this time of year.

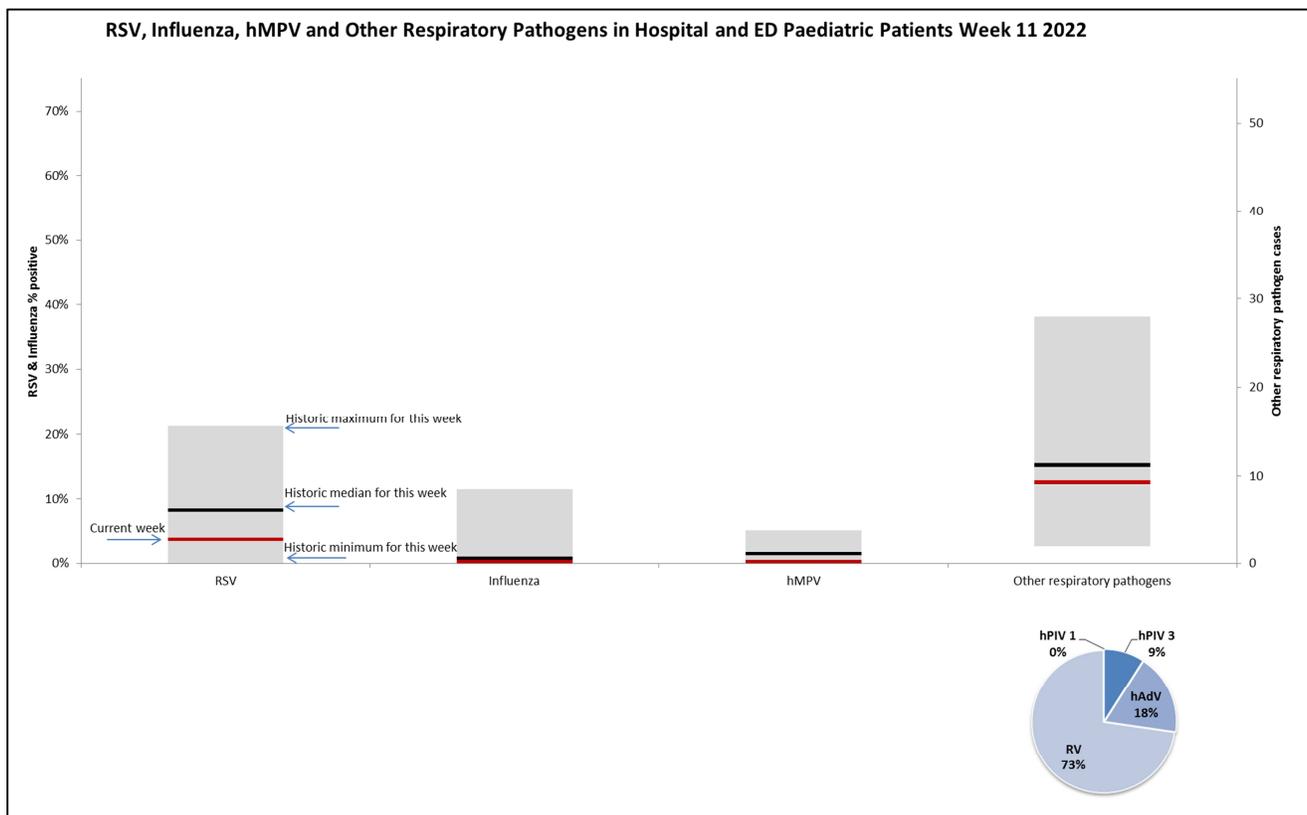


Figure 2: Proportion positive (RSV & influenza) or cases (other respiratory pathogens) for the current week (red line) plotted against the historic range (grey box) and median (black line) for this week. Pie charts represent the breakdown of influenza subtypes and the count of other respiratory pathogens. Data represents hospitalised and ED paediatric patients tested by PathWest. Historic data is for years 2007-2019. Please note: Due to the escalation of rapid PCR testing, the number influenza and RSV positive samples which do not receive a subtyping test has increased.

RSV proportion positive (4%) was lower than the historic median (8%) for this week. Other respiratory virus detections were similar to the historic median for this week.

Data is representative of all patients attending a hospital (public or private) in Western Australia, for which a respiratory sample was collected and tested at a PathWest laboratory.

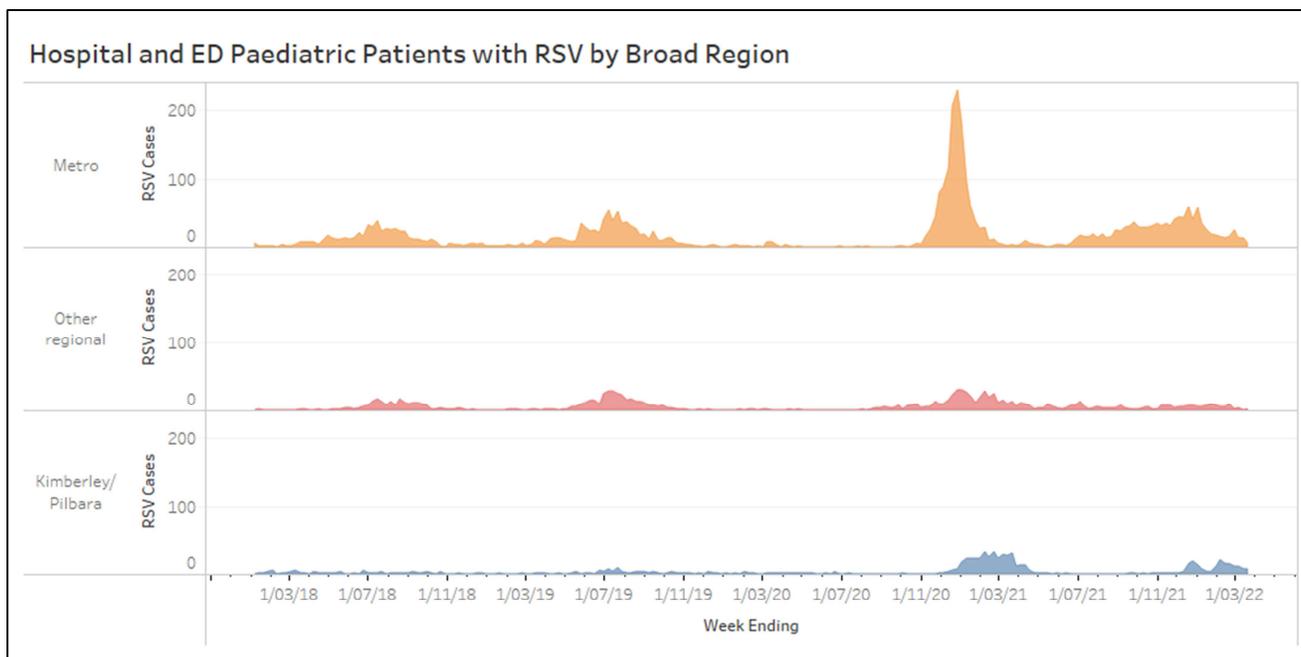


Figure 3: Hospital attending paediatric patients with RSV in Perth metropolitan region, in both Kimberley and Pilbara combined and in the remaining regions combined.

Of the 17 paediatric cases of RSV this week, 5 were from the Metro area, 6 were from the Kimberley, 3 were from the Pilbara and 3 were from the Midwest.

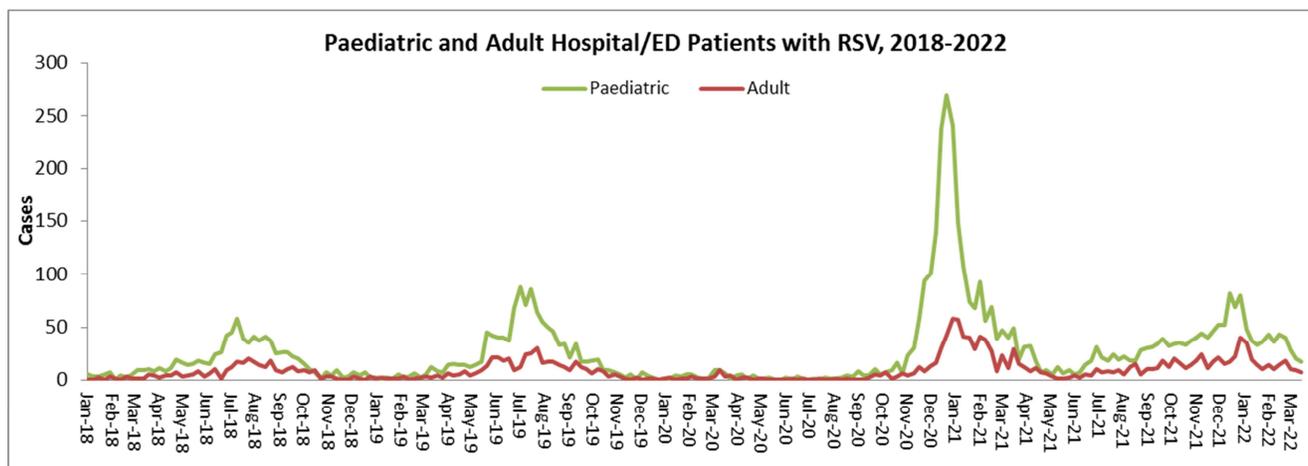


Figure 4: Paediatric and adult hospital attending patients with RSV, 2018-2021.

There were 17 children and 7 adults with RSV who attended a hospital.

Data is representative of all patients attending a hospital (public or private) in Western Australia, for which a respiratory sample was collected and tested at a PathWest laboratory.