

Paediatric Respiratory Pathogen Report

Week 43, 25th October 2021 – 31st October 2021

- The most common respiratory virus detected in paediatric patients this week was RSV, with 37 cases. Thirty-four of these cases were from the Metro area.
- Other respiratory viruses detected this week were rhinovirus (11 cases) and human parainfluenza virus (5 cases).
- There were no paediatric influenza cases detected at PathWest this week.
- The total number of paediatric cases of COVID-19 detected by PCR at PathWest is 64, as of 3rd November.

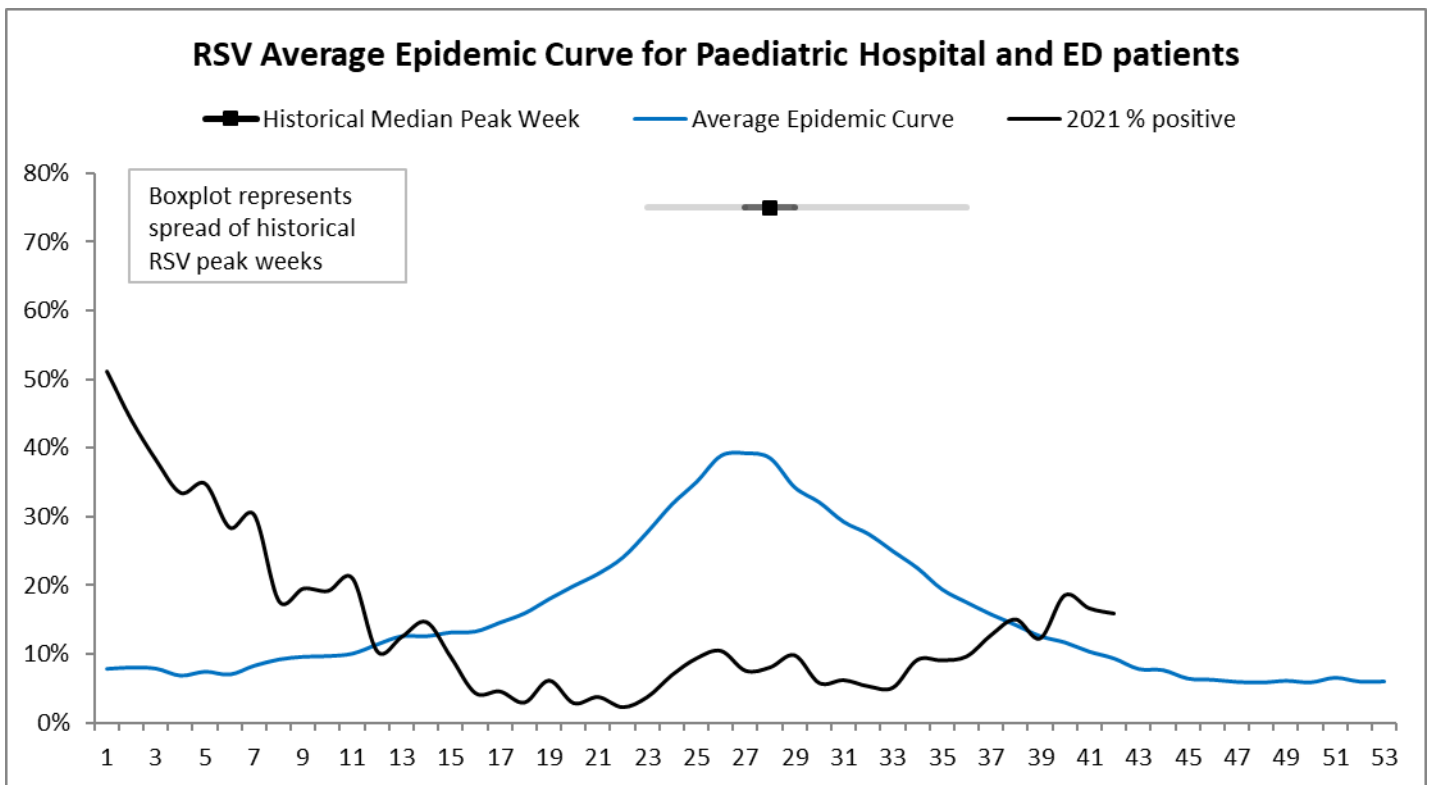


Figure 1: The current season plotted against the Paediatric RSV Average Epidemic Curve. The average epidemic curve was constructed by averaging all seasons measured at PathWest QE2 from 2007-2019. The high intensity threshold is 1.645 standard deviations above (upper 90% CI) the average epidemic curve.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

RSV proportion positive (17%) is higher than levels historically observed at this time of year.

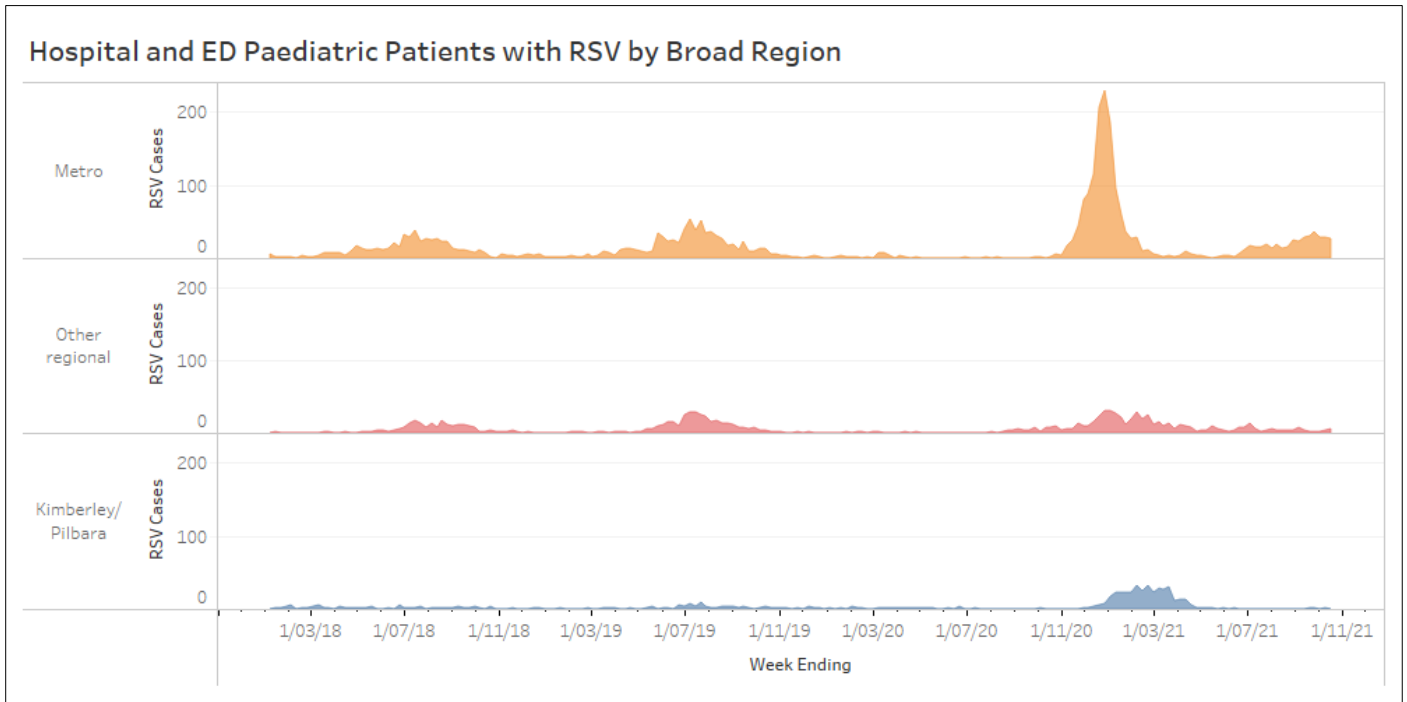


Figure 3: Hospital attending paediatric patients with RSV in Perth metropolitan region, in both Kimberley and Pilbara combined and in the remaining regions combined.

Of the 37 paediatric cases of RSV this week, 34 were from the Metro area and there were two cases from the Southwest and one case from the Pilbara.

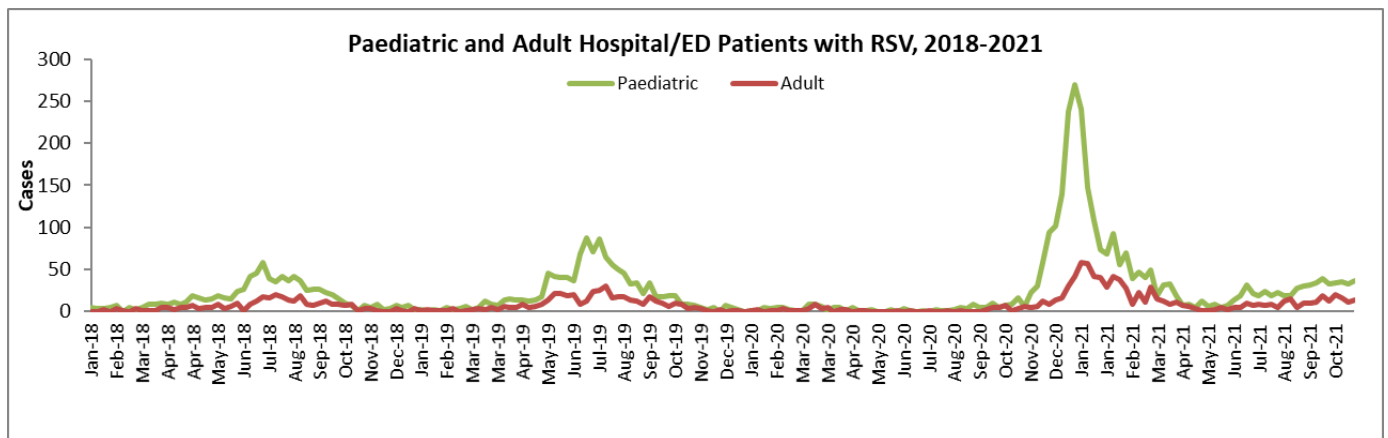


Figure 4: Paediatric and adult hospital attending patients with RSV, 2018-2021.

There were 37 children and 15 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.