

Paediatric Respiratory Pathogen Report

Week 42, 18th October 2021 – 24th October 2021

- The most common respiratory virus detected in paediatric patients this week was RSV, with 32 cases. Thirty of these cases were from the Metro area.
- Other respiratory viruses detected this week were parainfluenza virus (13 cases) and human rhinovirus (19 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 27th October.

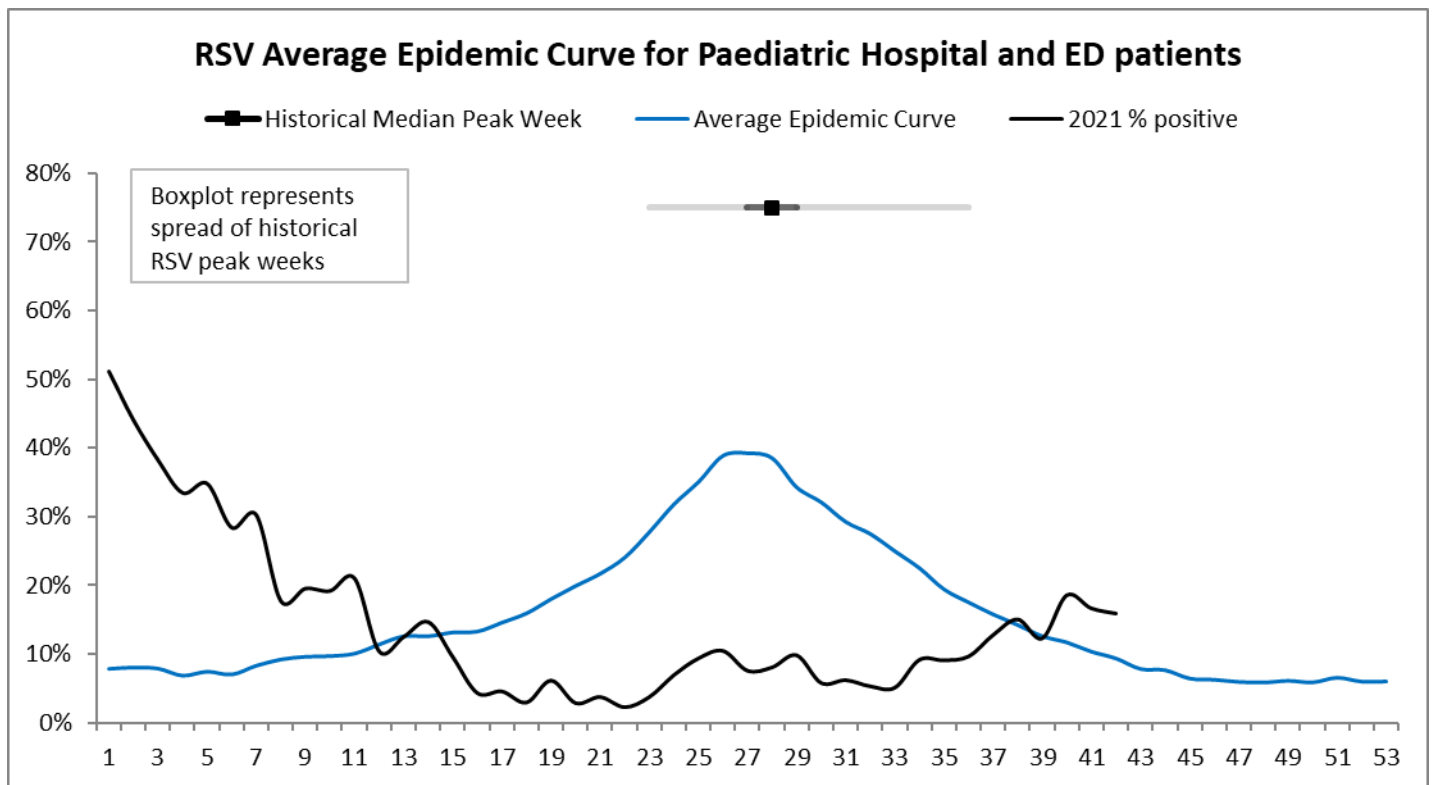


Figure 1: The current season plotted against the Paediatric RSV Average Epidemic Curve. The average epidemic curve was constructed by averaging all seasons measured at PathWest QE2 from 2007-2019. The high intensity threshold is 1.645 standard deviations above (upper 90% CI) the average epidemic curve.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

RSV proportion positive (16%) is higher than levels historically observed at this time of year.

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.

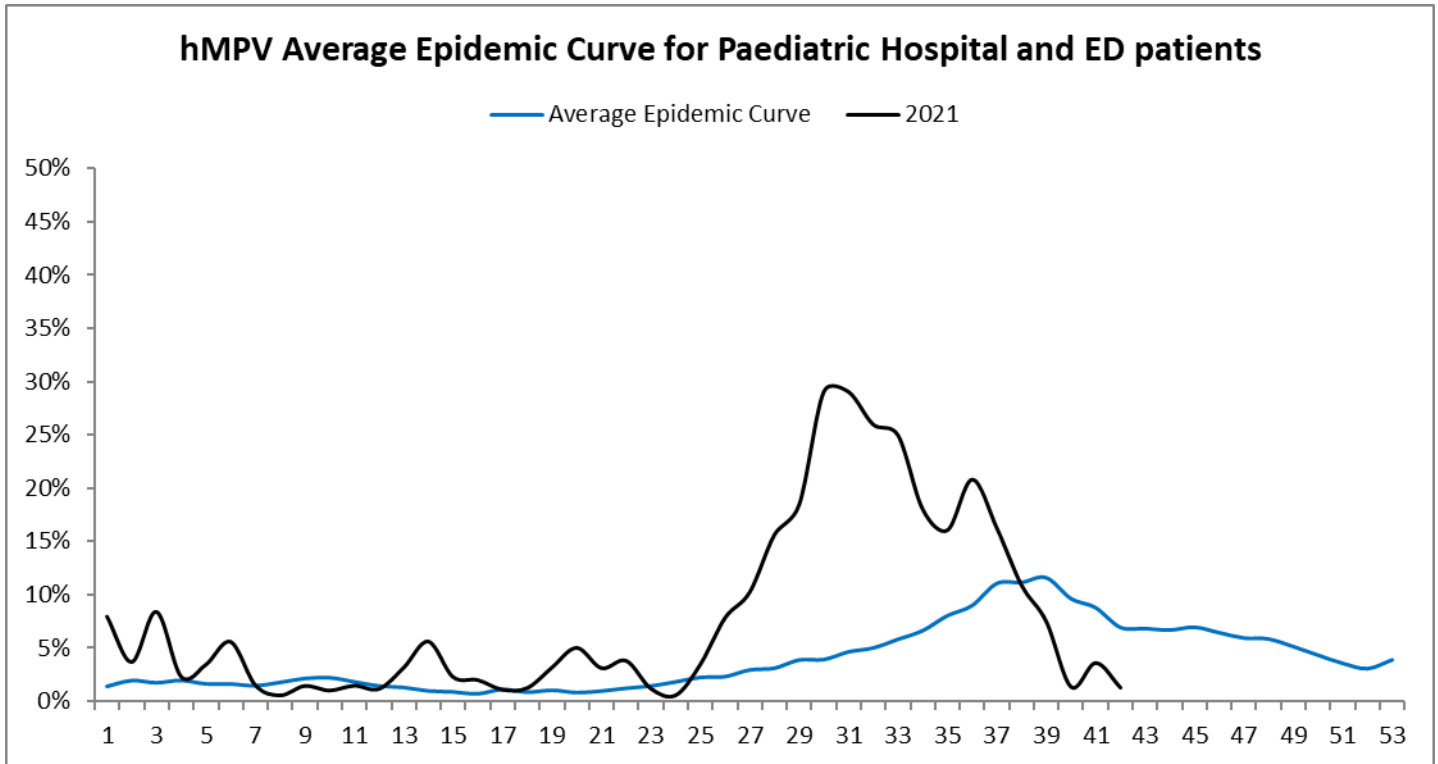


Figure 2: The current season plotted against the Paediatric HMPV Average Epidemic Curve. The average epidemic curve was constructed by averaging all seasons measured at PathWest QE2 from 2007-2019. Data represents all WA hospitalised and ED paediatric patients tested by PathWest

hMPV proportion positive (1%) is below levels historically observed at this time of year.

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.

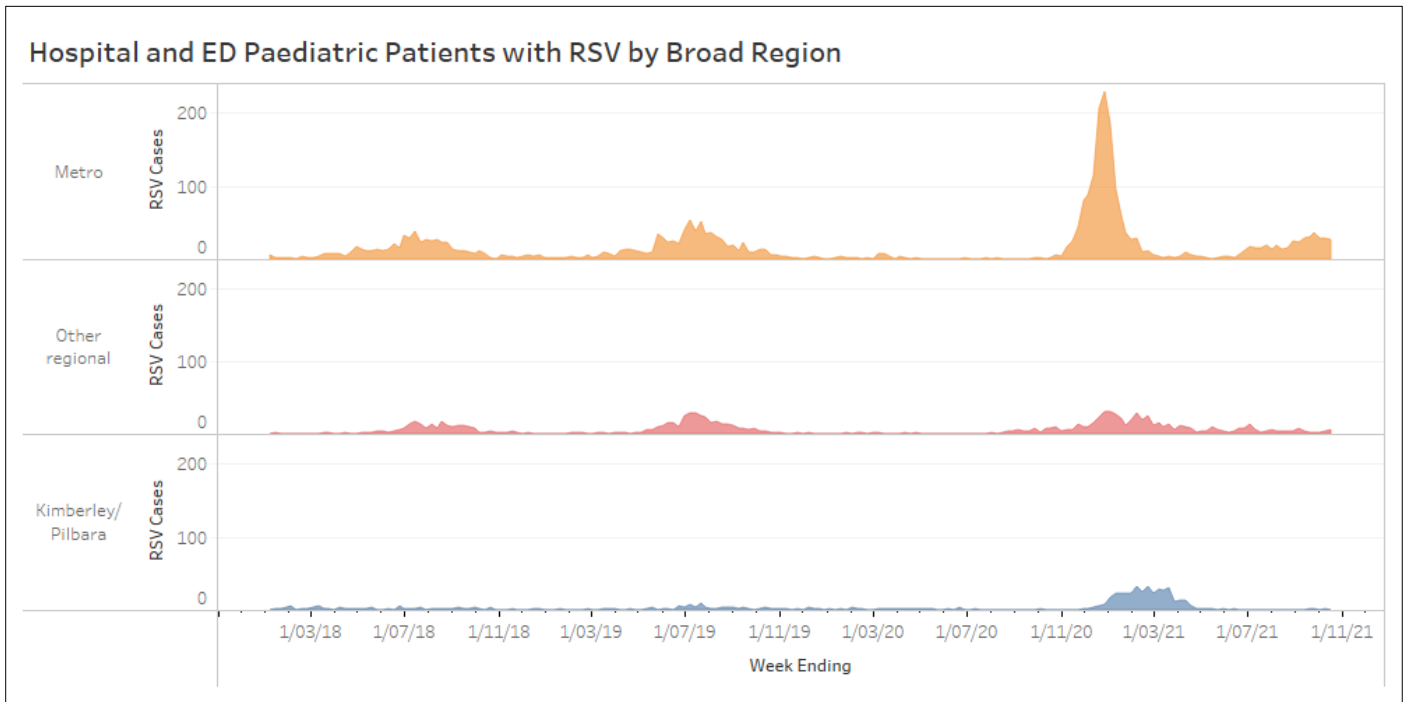


Figure 3: Hospital attending paediatric patients with RSV in Perth metropolitan region, in both Kimberley and Pilbara combined and in the remaining regions combined.

Of the 32 paediatric cases of RSV this week, 30 were from the Metro area and there were two cases from the Kimberley.

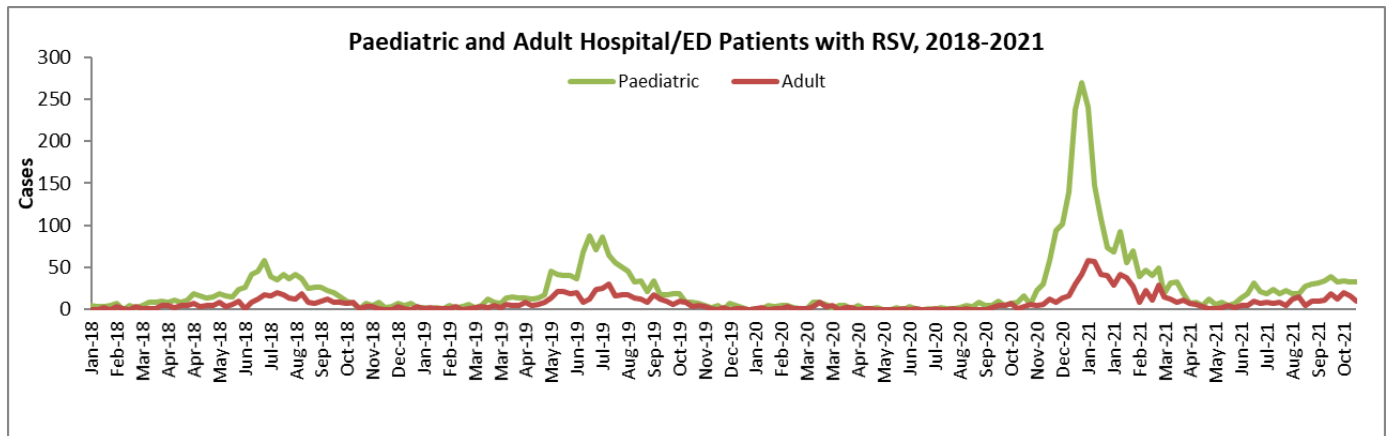


Figure 4: Paediatric and adult hospital attending patients with RSV, 2018-2021.

There were 32 children and 10 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.