

Paediatric Respiratory Pathogen Report

Week 31, 2nd August 2021 – 8th August 2021

*****Please note, an abridged version of this report will be circulated whilst influenza activity is low*****

- There were 8 paediatric cases of RSV this week. Six were from the Metro area and two were from regional WA.
- There were no paediatric influenza cases detected at PathWest this week.
- The most common respiratory viruses detected in paediatric patients this week were parainfluenza virus 3 (61 cases) and human metapneumovirus (50 cases).
- The total number of paediatric cases of COVID-19 detected by PCR at PathWest is 61, as of 11th of August.

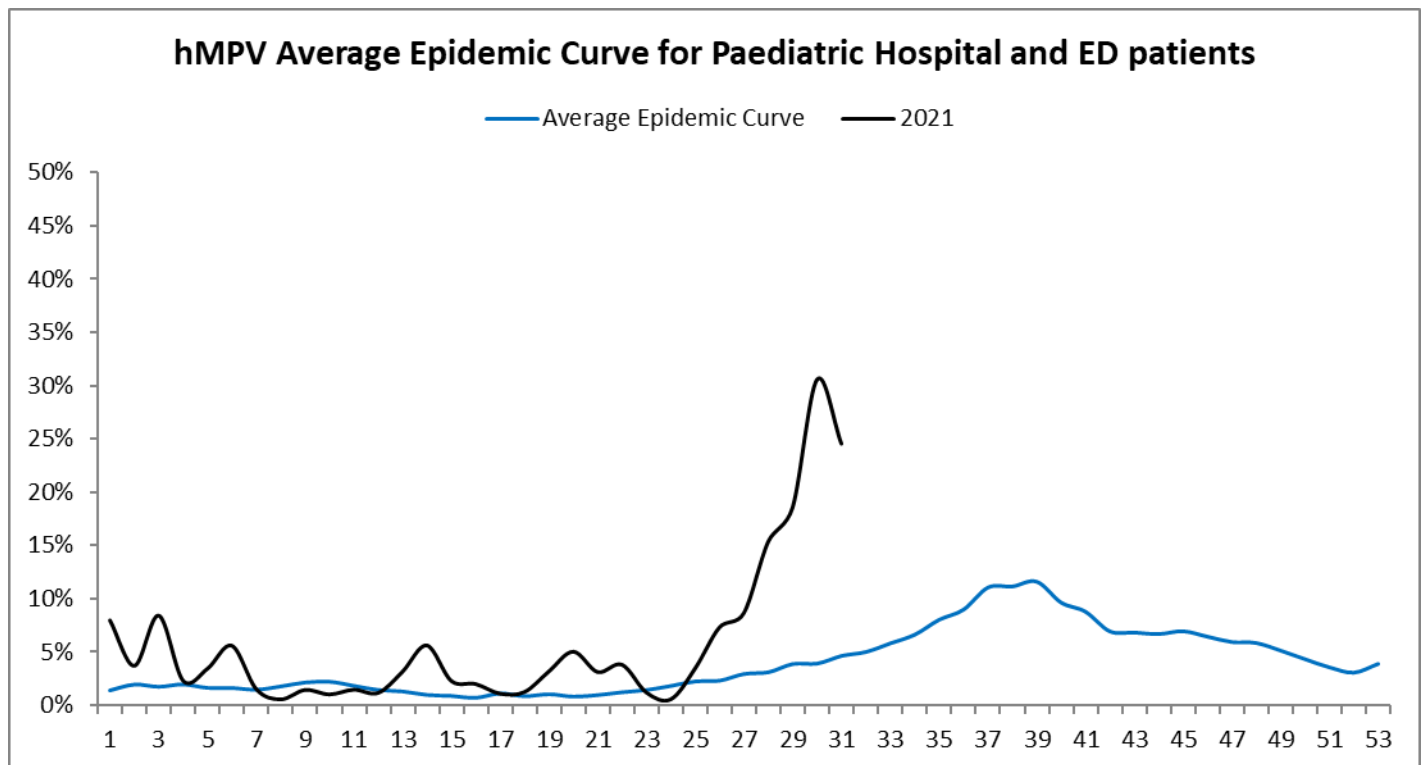


Figure 1: The current season plotted against the Paediatric HMPV Average Epidemic Curve. The average epidemic curve was constructed by averaging all seasons measured at PathWest QE2 from 2007-2019. Data represents all WA hospitalised and ED paediatric patients tested by PathWest

HMPV proportion positive (24.5%) is considerably 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.

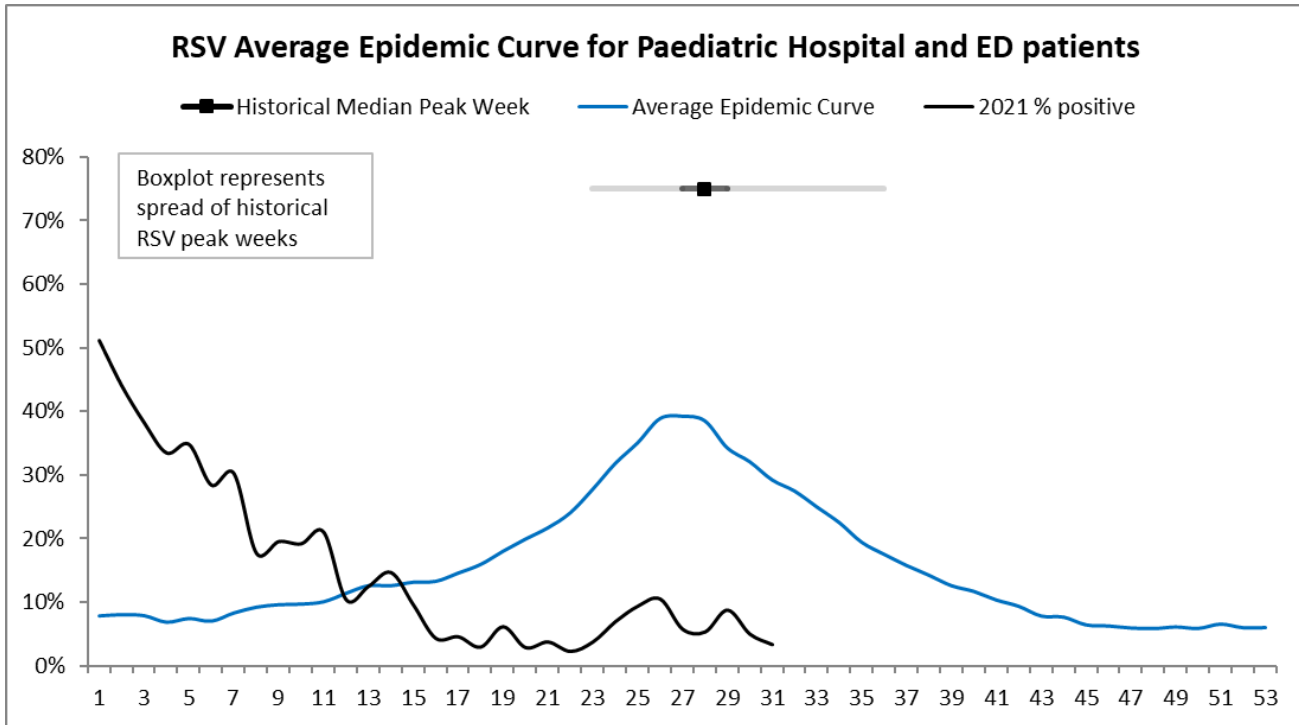


Figure 2: The current season plotted against the Paediatric RSV Average Epidemic Curve. The average epidemic curve was constructed by averaging all seasons measured at PathWest QE2 from 2007-2019. The high intensity threshold is 1.645 standard deviations above (upper 90% CI) the average epidemic curve. Data represents all WA hospitalised and ED paediatric patients tested by PathWest.

RSV proportion positive (3.3%) is lower than levels historically observed at this time of year.

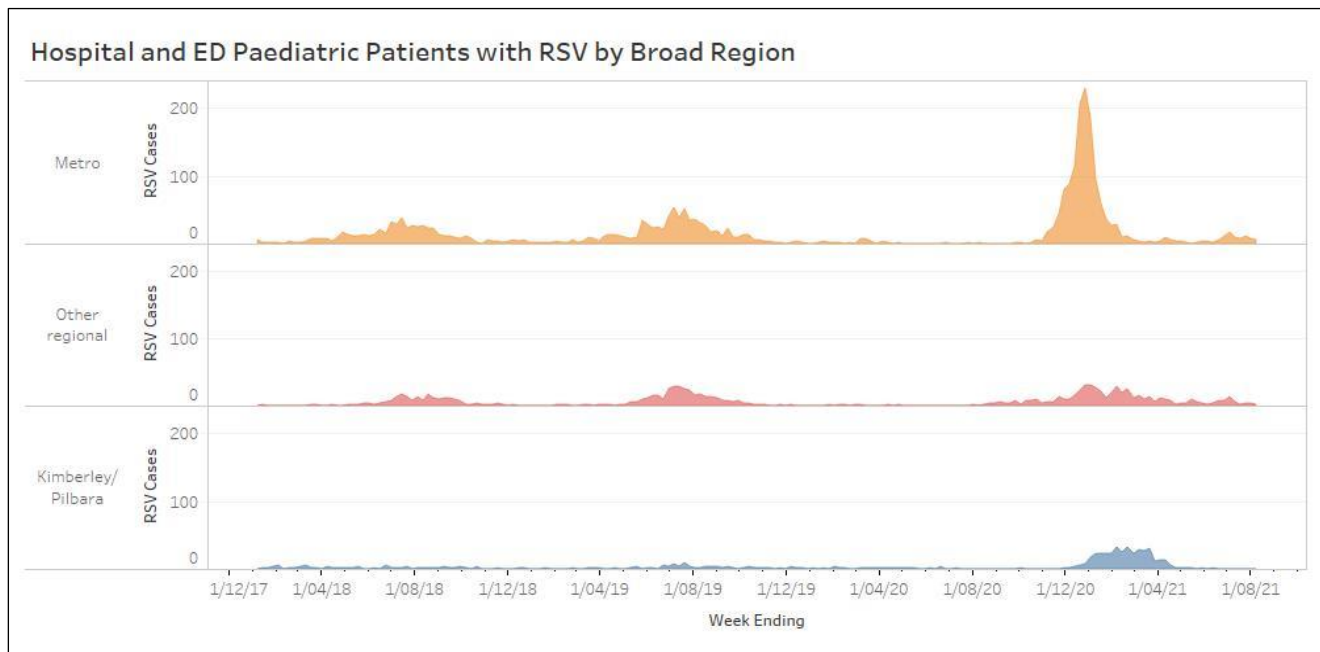


Figure 3: Hospital attending paediatric patients with RSV in Perth metropolitan region, in both Kimberley and Pilbara combined and in the remaining regions combined.

Of the 8 paediatric cases of RSV this week, 6 were from the Metro area and one each from the Midwest and Wheatbelt.

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.

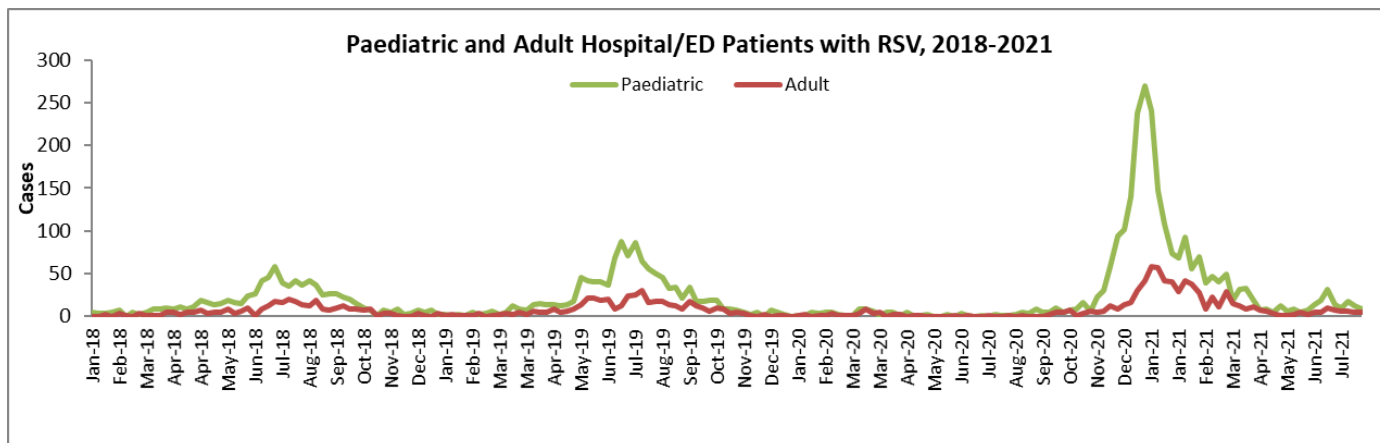


Figure 4: Paediatric and adult hospital attending patients with RSV, 2018-2021.

There were 8 children and 4 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.