

Paediatric Respiratory Pathogen Report

Week 20, 17th May 2021 – 23rd May 2021

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

- There were 5 paediatric cases of RSV this week. One was from the Metro area and four were from regional WA.
- There were no paediatric influenza cases detected at PathWest this week.
- The most common respiratory virus in paediatric patients this week was Parainfluenza virus 1 (27 cases).
- The total number of paediatric cases of COVID-19 detected by PCR at PathWest is 56, as of 25th of May.

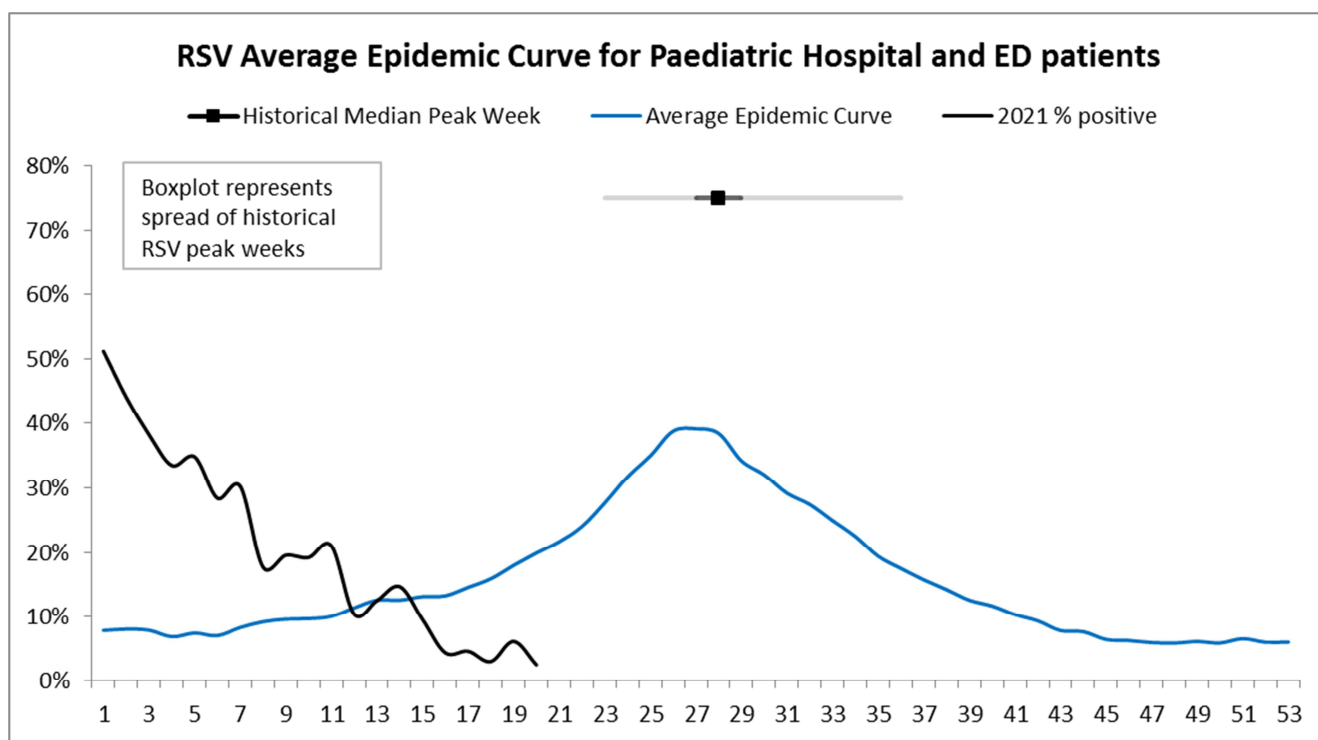


Figure 1: The current season plotted against the Paediatric RSV Average Epidemic Curve. The average epidemic curve was constructed by averaging all seasons measured at PathWest QE2 from 2007-2019. The high intensity threshold is 1.645 standard deviations above (upper 90% CI) the average epidemic curve.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

RSV proportion positive (2.4%) is lower 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.

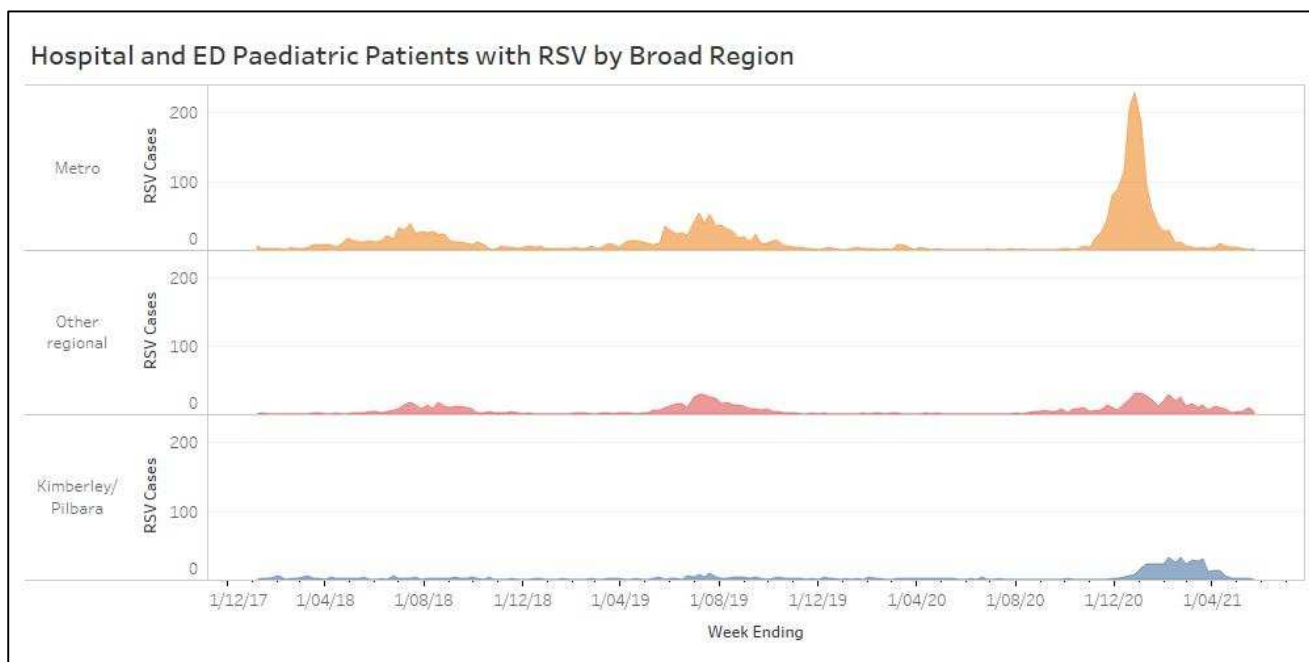


Figure 2: Hospital attending paediatric patients with RSV in Perth metropolitan region, in both Kimberley and Pilbara combined and in the remaining regions combined.

There were 5 paediatric cases of RSV this week. 3 from the Goldfields, 1 from Midwest and 1 from the metro region.

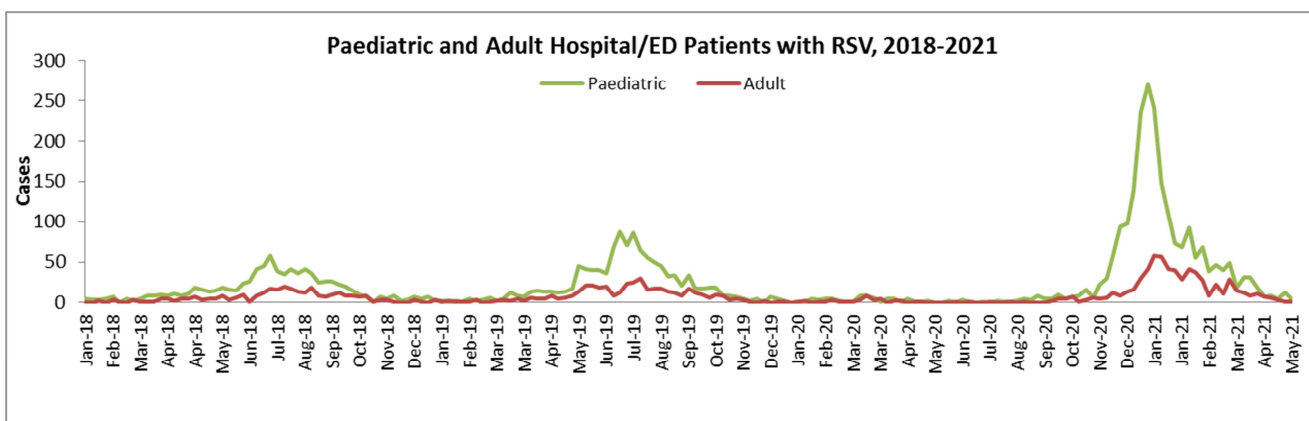


Figure 3: Paediatric and adult hospital attending patients with RSV, 2018-2021.

There were 5 children and 1 adult 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.