

Paediatric Respiratory Pathogen Report

Week 21, 23rd May 2021 – 30th May 2021

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

- There were 9 paediatric cases of RSV this week. Four were from the Metro area and five 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 (31 cases).
- The total number of paediatric cases of COVID-19 detected by PCR at PathWest is 56, as of 02nd of June.

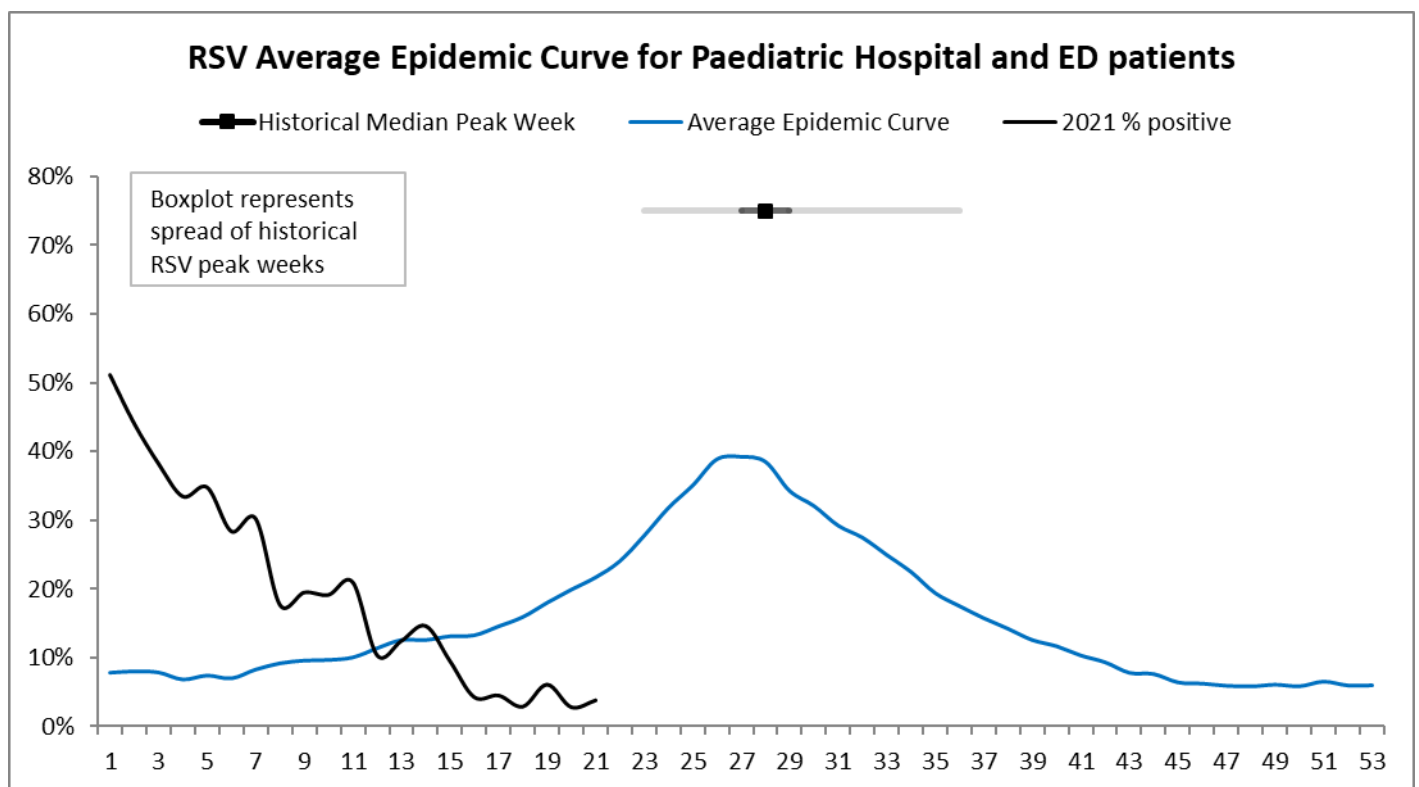


Figure 1: The current season plotted against the Paediatric RSV Average Epidemic Curve. The average epidemic curve was constructed by averaging all seasons measured at PathWest QE2 from 2007-2019. The high intensity threshold is 1.645 standard deviations above (upper 90% CI) the average epidemic curve.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

RSV proportion positive (3.9%) 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.

Hospital and ED Paediatric Patients with RSV by Broad Region

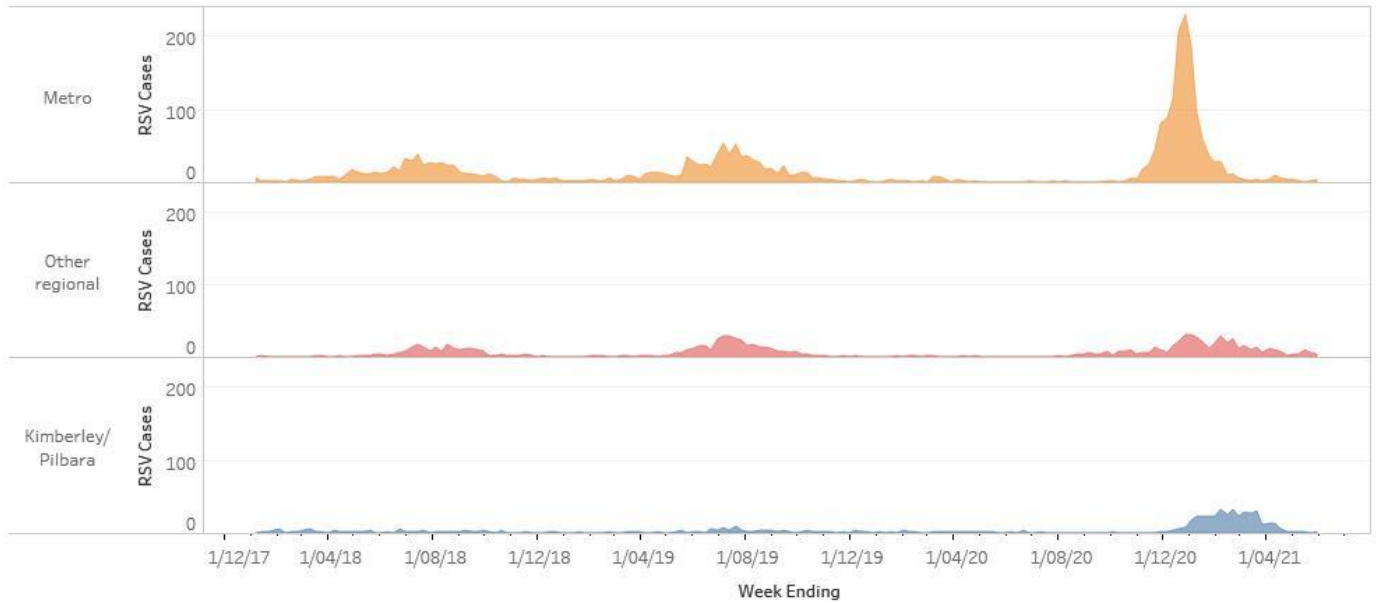


Figure 2: Hospital attending paediatric patients with RSV in Perth metropolitan region, in both Kimberley and Pilbara combined and in the remaining regions combined.

There were 9 paediatric cases of RSV this week. Four from the Metro, one each from the Goldfields Kimberley, Midwest, Pilbara and Southwest.

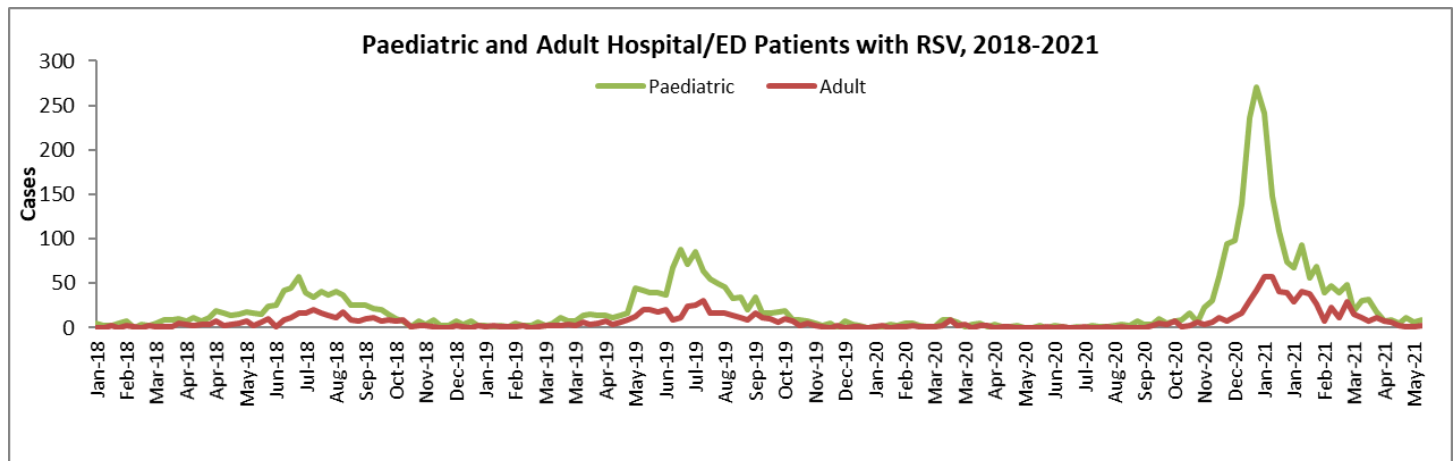


Figure 3: Paediatric and adult hospital attending patients with RSV, 2018-2021.

There were 9 children and 2 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.