

Paediatric Respiratory Pathogen Report

Week 29, 19th July 2021 – 26th July 2021

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

- There were 16 paediatric cases of RSV this week. Twelve were from the Metro area and four were from regional WA.
- There were no paediatric influenza cases detected at PathWest this week.
- Other respiratory viruses detected in paediatric patients this week were human metapneumovirus (27 cases) and parainfluenza virus 3 (30 cases).
- The total number of paediatric cases of COVID-19 detected by PCR at PathWest is 61, as of 28th of July.

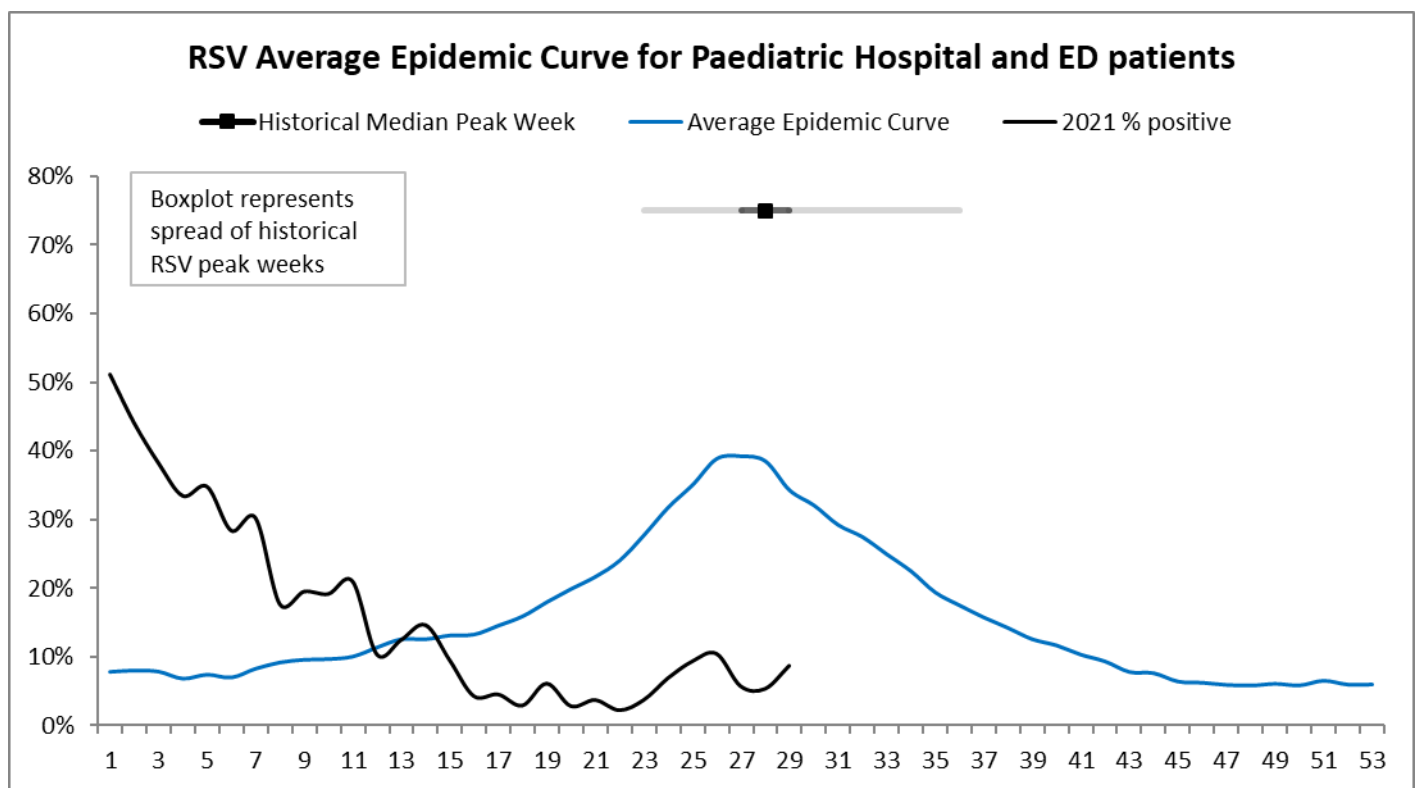


Figure 1: The current season plotted against the Paediatric RSV Average Epidemic Curve. The average epidemic curve was constructed by averaging all seasons measured at PathWest QE2 from 2007-2019. The high intensity threshold is 1.645 standard deviations above (upper 90% CI) the average epidemic curve.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

RSV proportion positive (8.74%) 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.

Of the 16 paediatric cases of RSV this week, 12 were from the Metro area, three from the Southwest and one from the Goldfields.

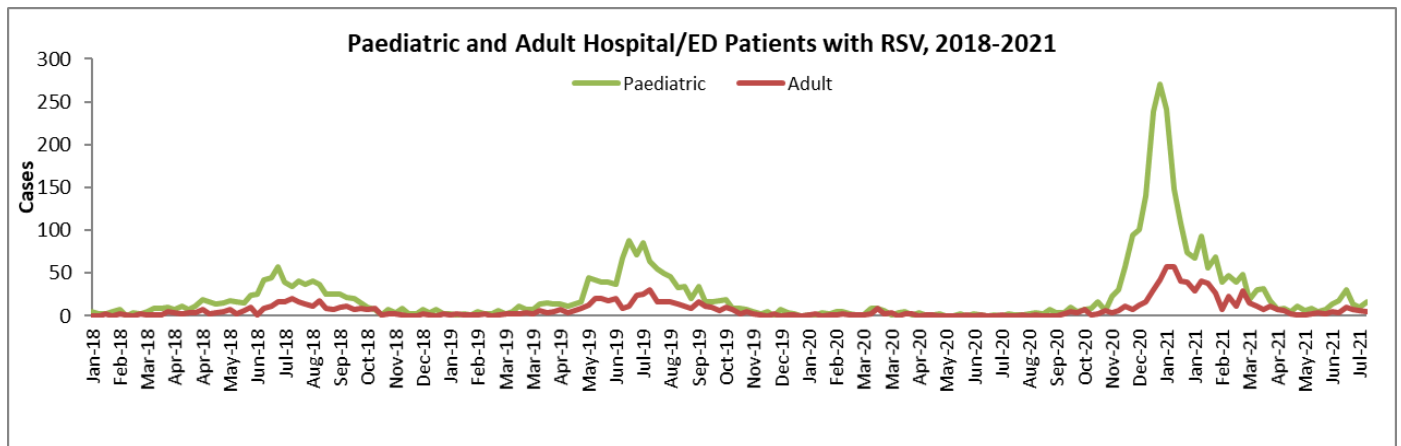


Figure 3: Paediatric and adult hospital attending patients with RSV, 2018-2021.

There were 16 children and 6 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.