

Paediatric Respiratory Pathogen Report

Week 26, 28th June 2021 – 4th July 2021

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

- There were 31 paediatric cases of RSV this week. Seventeen were from the Metro area and 14 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 parainfluenza virus 1 (25 cases) and human metapneumovirus (17 cases).
- The total number of paediatric cases of COVID-19 detected by PCR at PathWest is 59, as of 6th of July.

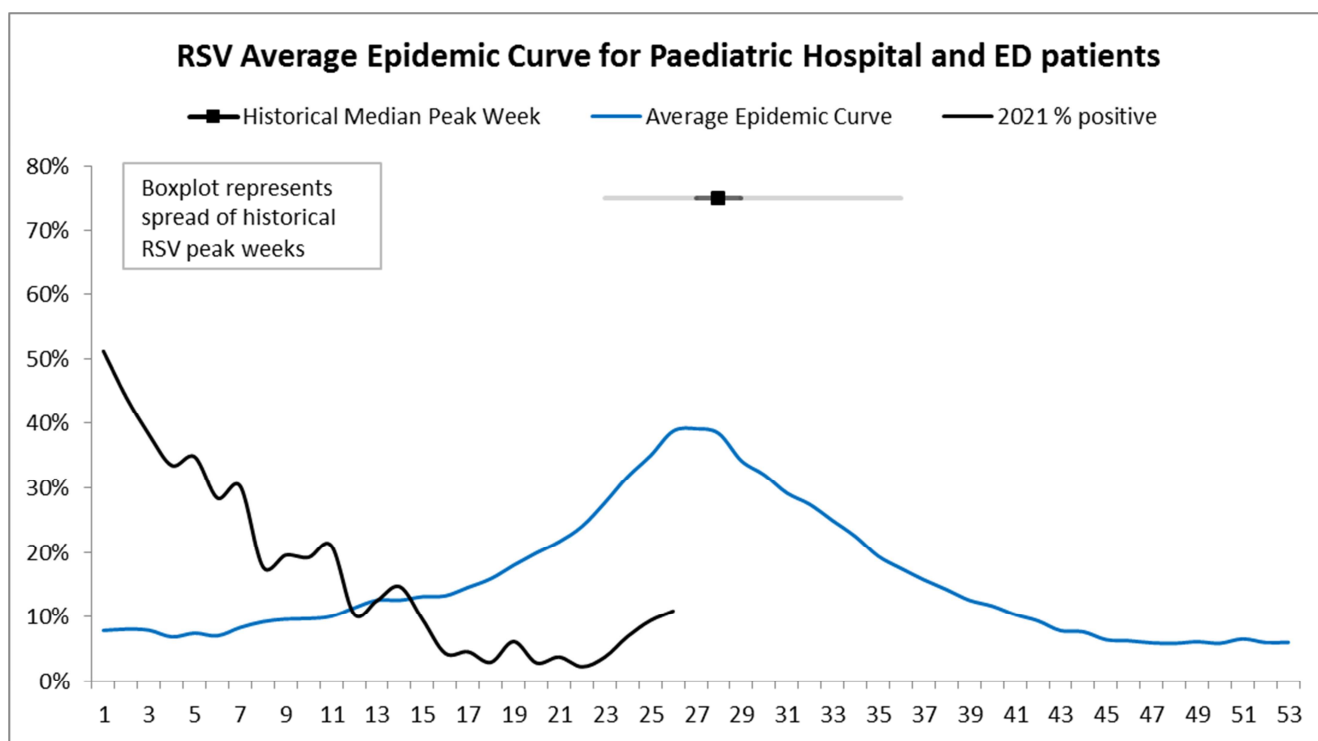


Figure 1: The current season plotted against the Paediatric RSV Average Epidemic Curve. The average epidemic curve was constructed by averaging all seasons measured at PathWest QE2 from 2007-2019. The high intensity threshold is 1.645 standard deviations above (upper 90% CI) the average epidemic curve.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

RSV proportion positive (11%) 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.

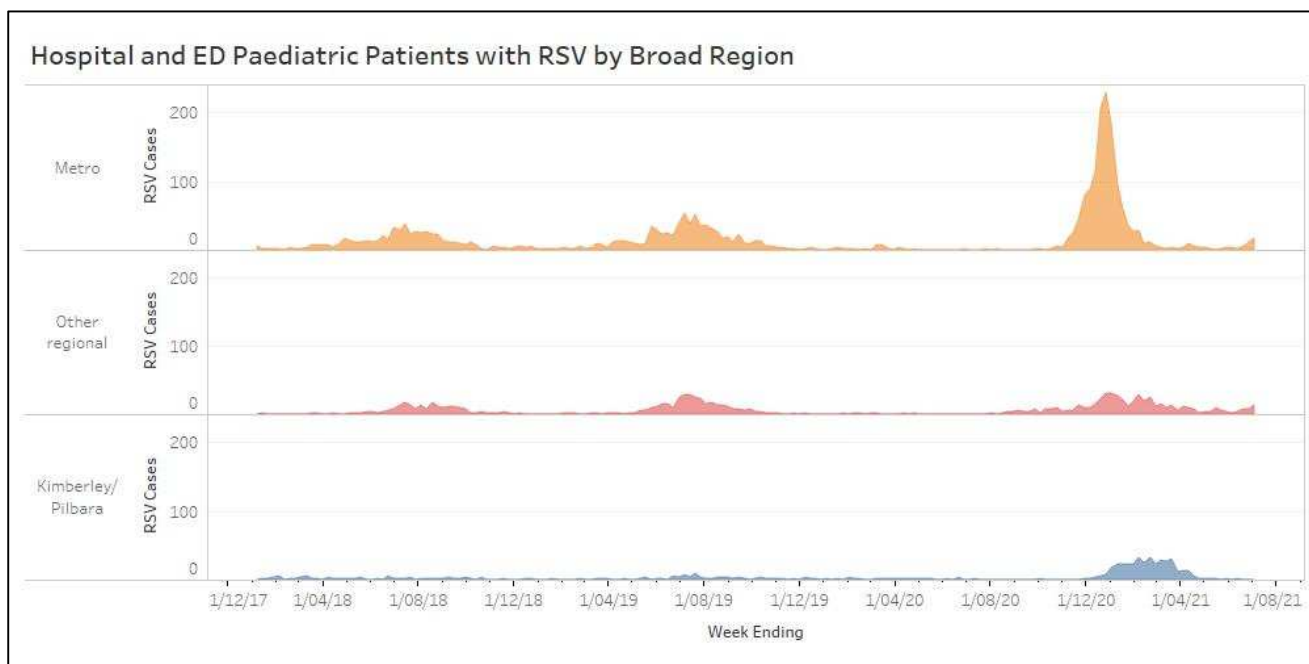


Figure 2: Hospital attending paediatric patients with RSV in Perth metropolitan region, in both Kimberley and Pilbara combined and in the remaining regions combined.

Of the 31 paediatric cases of RSV this week, 17 were from the Metro area, 5 from the Southwest, 4 from the Goldfields, 3 from the Midwest and 2 from the Wheatbelt.

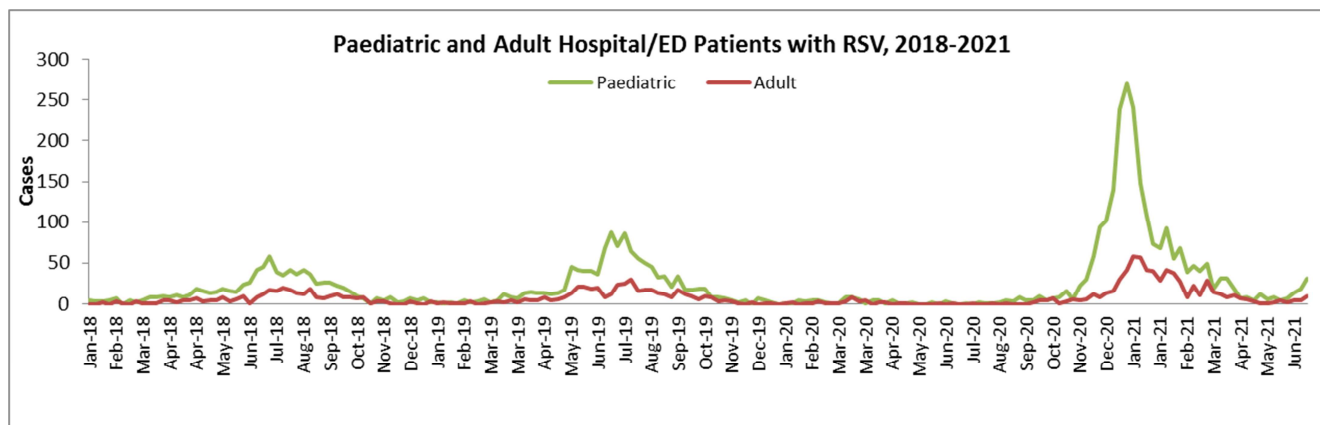


Figure 3: Paediatric and adult hospital attending patients with RSV, 2018-2021.

There were 31 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.