

Paediatric Respiratory Pathogen Report

Week 9, 1st March 2021 – 7th March 2021

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

- There were 40 paediatric cases of RSV this week. 4 were from the Metro area and 36 were from regional WA.
- RSV cases and proportion positive in the Kimberley and Pilbara are higher than historically observed for that region.
- There were no paediatric influenza cases detected at PathWest this week.
- The total number of paediatric cases of COVID-19 detected by PCR at PathWest is 43, as of 9th of March.

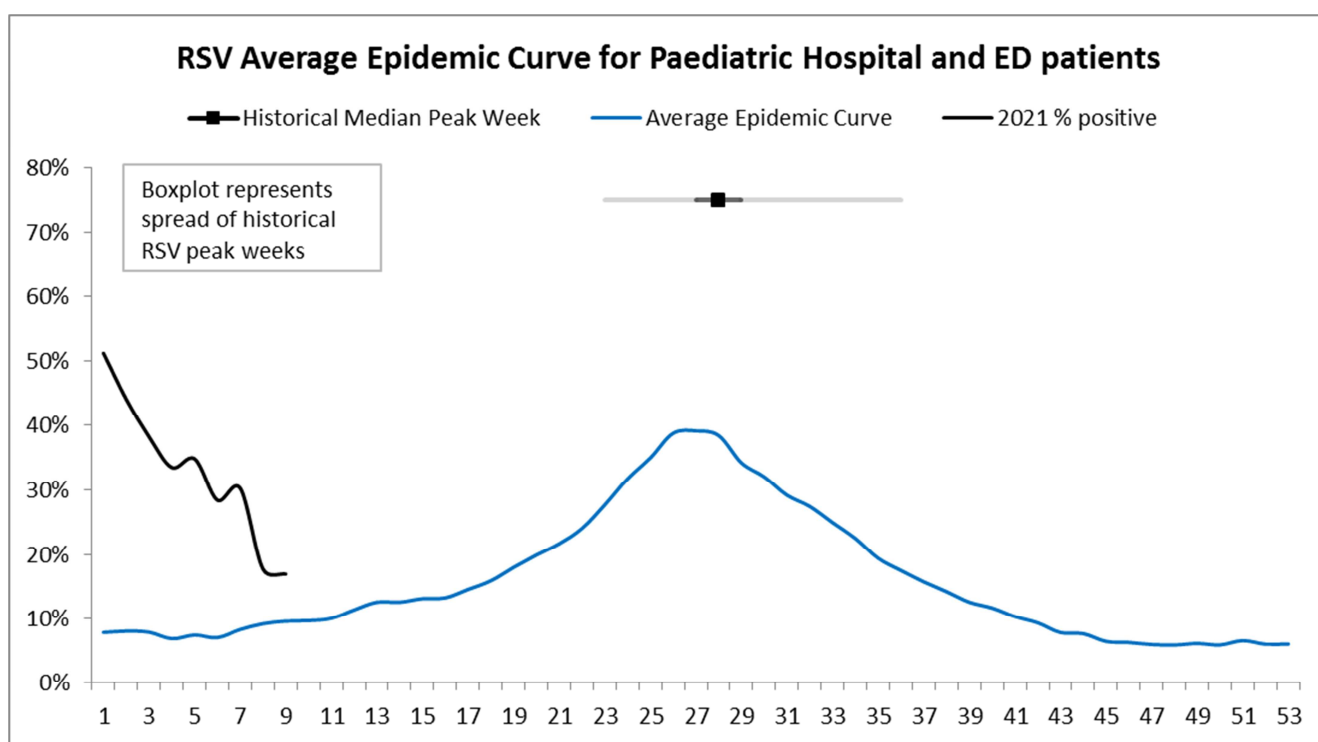


Figure 1: The current season plotted against the Paediatric RSV Average Epidemic Curve. The average epidemic curve was constructed by averaging all seasons measured at PathWest QE2 from 2007-2019. The high intensity threshold is 1.645 standard deviations above (upper 90% CI) the average epidemic curve.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

RSV proportion positive (17%) remained stable, and is slightly 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.

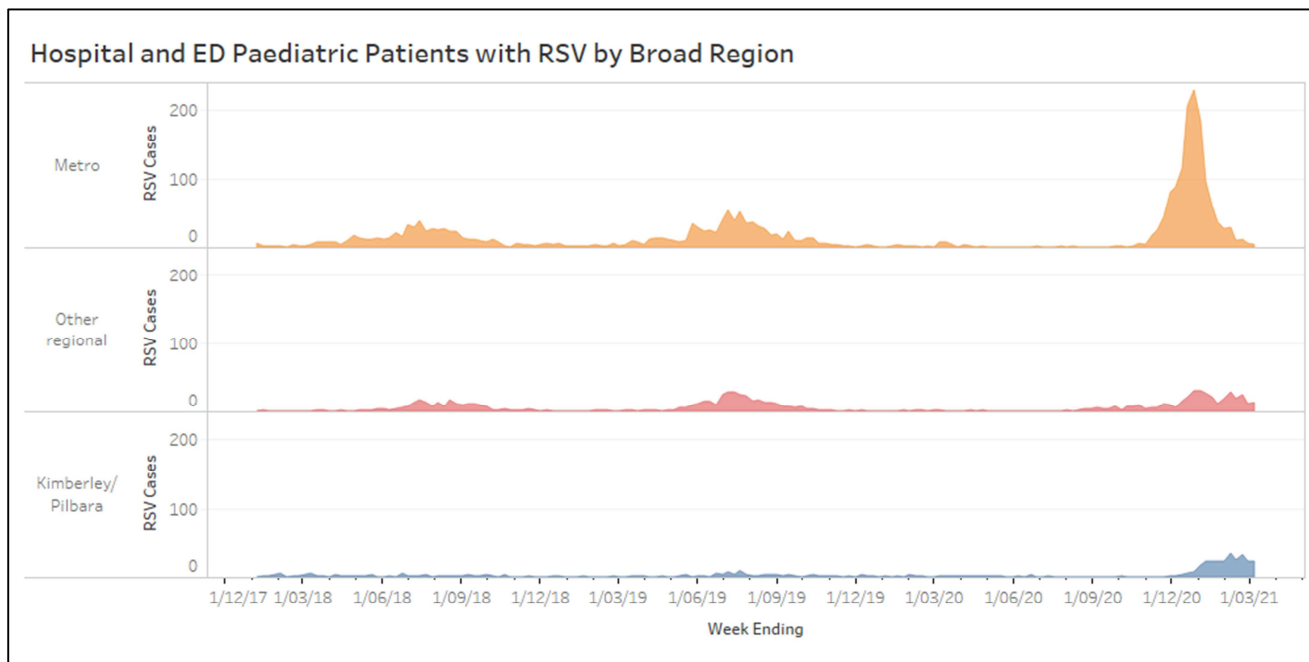


Figure 2: Hospital attending paediatric patients with RSV in Perth metropolitan region, in both Kimberley and Pilbara combined and in the remaining regions combined.

There were 35 paediatric cases of RSV this week. 3 were from the metro area, 14 from the Kimberley, 9 from the Pilbara, 6 from the Great Southern, 4 from the Southwest, and 3 from the Midwest.

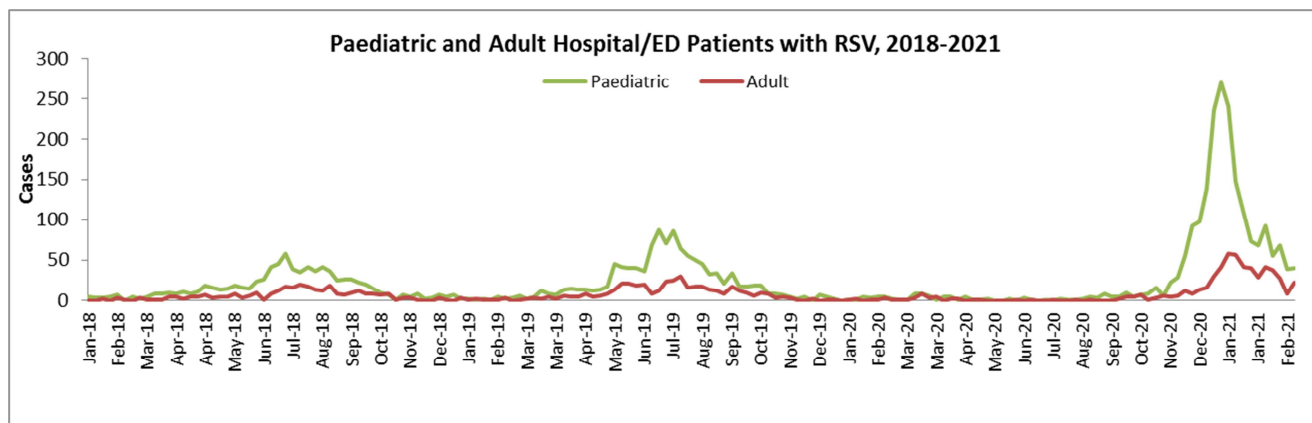


Figure 3: Paediatric and adult hospital attending patients with RSV, 2018-2021.

There were 40 children and 22 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.