

Paediatric Respiratory Pathogen Report

Week 6, 8th February 2021 – 14th February 2021

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

- There were 45 paediatric cases of RSV this week. Nine were from the Metro area and 35 were from regional WA.
- RSV cases and proportion positive in the Kimberley are higher than historically observed for that region. hMPV cases in the Kimberley have also increased in recent weeks.
- There were no paediatric cases of influenza this week.
- The total number of paediatric cases of COVID-19 detected by PCR at PathWest is 42, as of 16th of February.

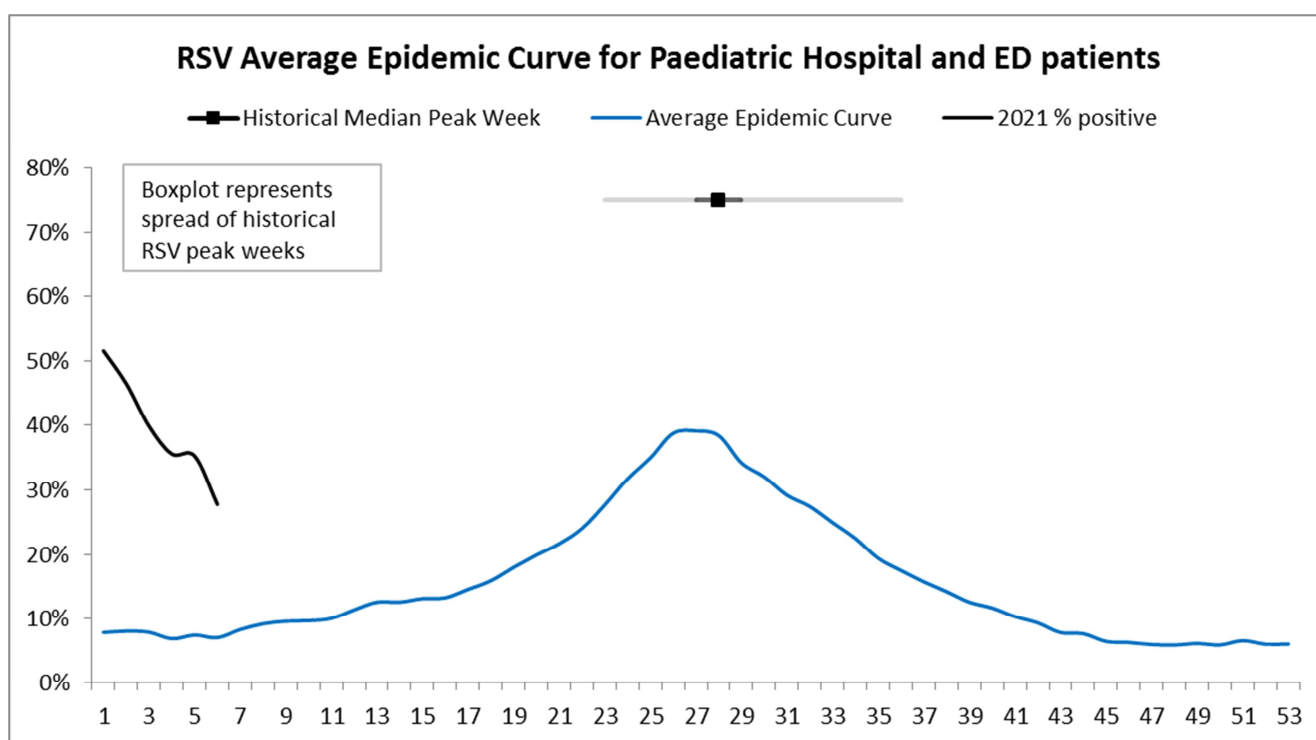


Figure 1: The current season plotted against the Paediatric RSV Average Epidemic Curve. The average epidemic curve was constructed by averaging all seasons measured at PathWest QE2 from 2007-2019. The high intensity threshold is 1.645 standard deviations above (upper 90% CI) the average epidemic curve.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

RSV proportion positive (28%) decreased, however remains well above 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.

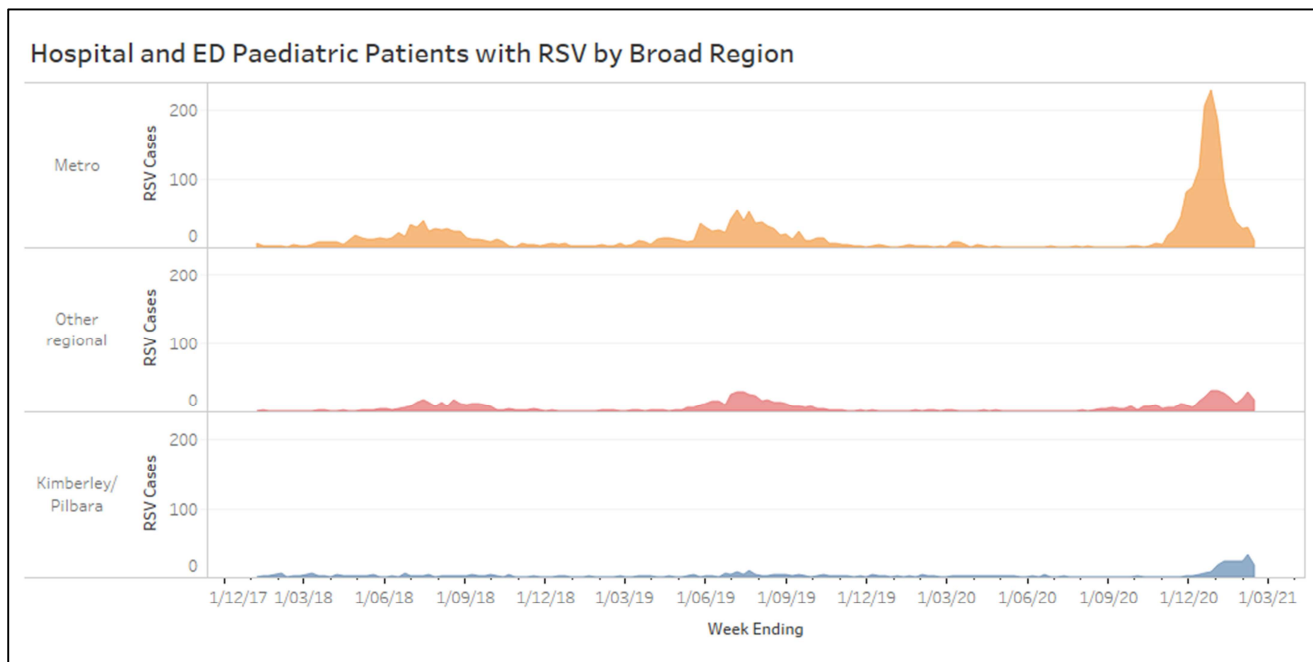


Figure 2: Hospitalised paediatric patients with RSV in Perth metropolitan region, in both Kimberley and Pilbara combined and in the remaining regions combined.

There were 45 paediatric cases of RSV this week. 9 were from the metro area, 13 from the Kimberley, 12 from the Great Southern, 5 from the Pilbara, 2 from the Southwest, 2 from the Midwest and 1 from each of the Goldfields and Wheatbelt.

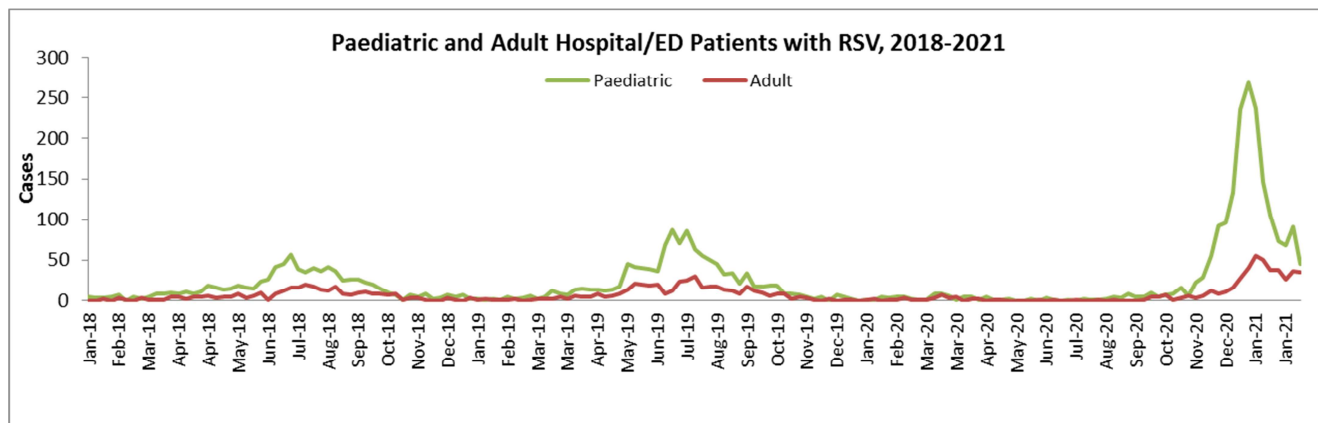


Figure 3: Paediatric and adult hospitalised patients with RSV, 2017-2020.

There were 45 children and 35 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.