

Paediatric Respiratory Pathogen Report

Week 5, 1st February 2021 – 7th February 2021

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

- There were 82 paediatric cases of RSV this week. 28 were from the Metro area and 54 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 9th of February.

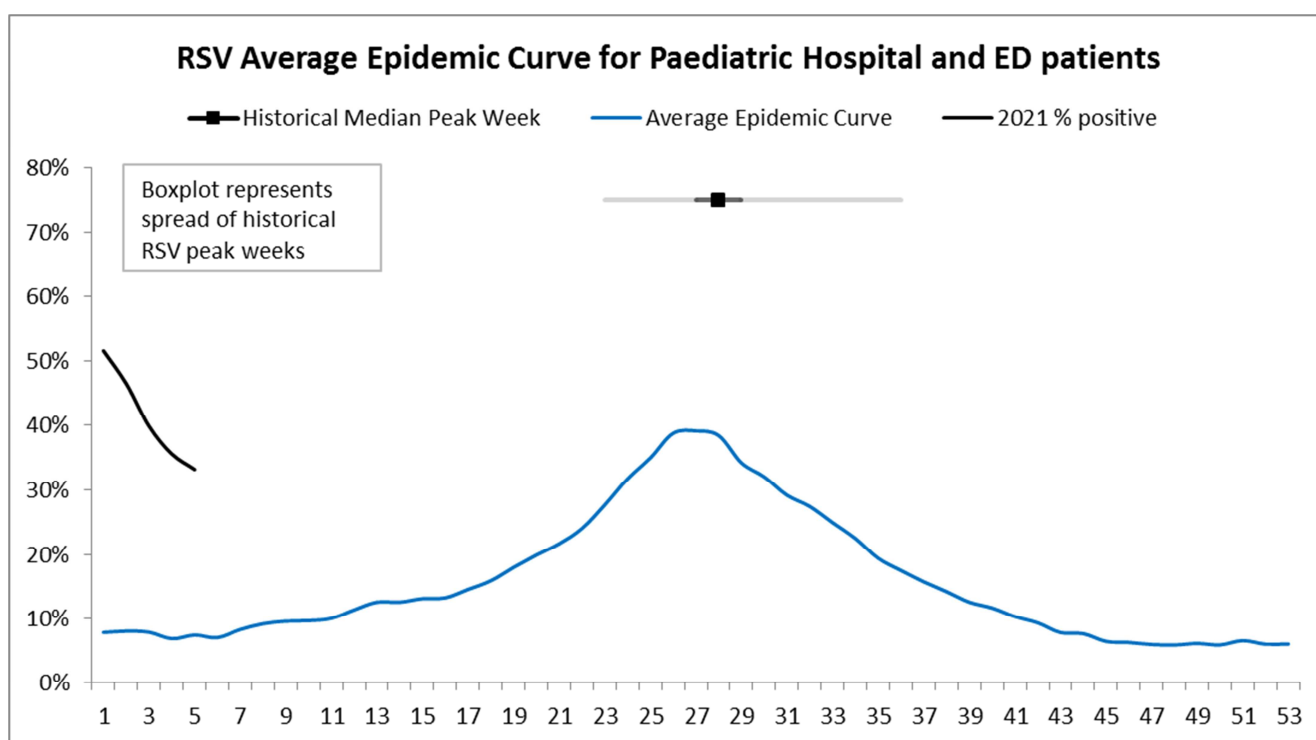


Figure 1: The current season plotted against the Paediatric RSV Average Epidemic Curve. The average epidemic curve was constructed by averaging all seasons measured at PathWest QE2 from 2007-2019. The high intensity threshold is 1.645 standard deviations above (upper 90% CI) the average epidemic curve.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

RSV proportion positive (33%) 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.

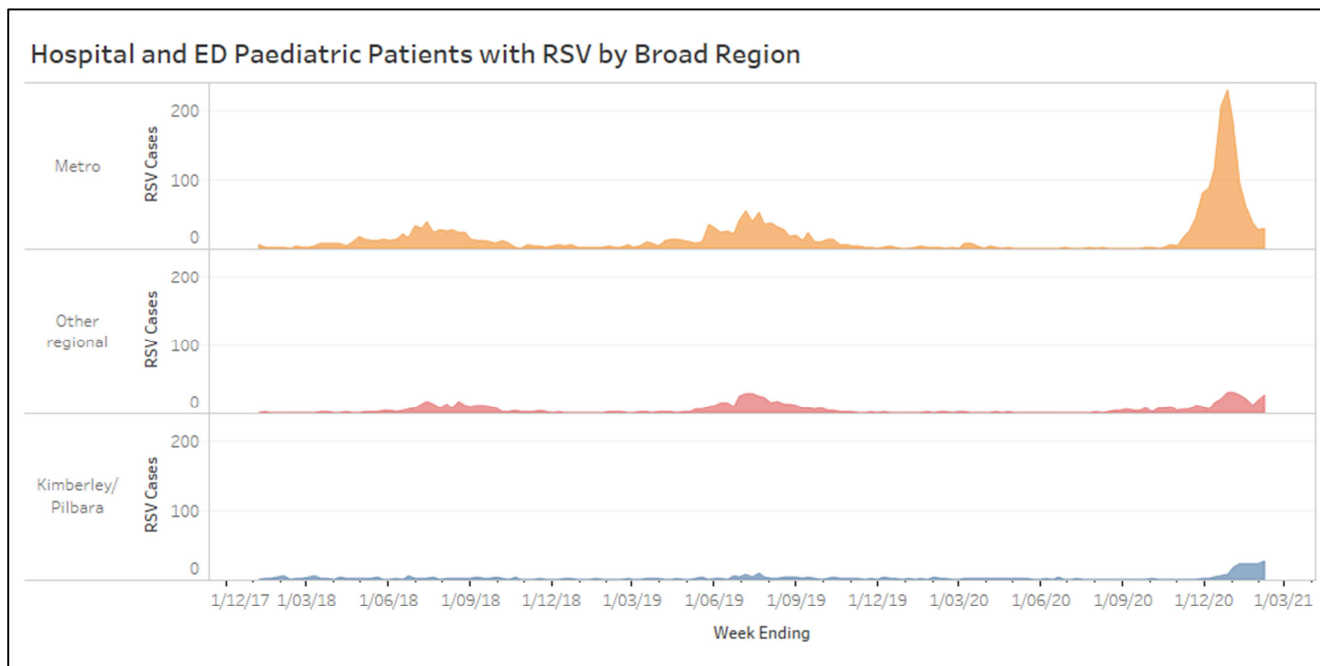


Figure 2: Hospitalised paediatric patients with RSV in Perth metropolitan region, in both Kimberley and Pilbara combined and in the remaining regions combined.

There were 82 paediatric cases of RSV this week. 28 were from the metro area, 21 from the Kimberley, 14 from the Great Southern, 7 from the Southwest, 6 from the Pilbara and 3 from each of the Goldfields and Midwest.

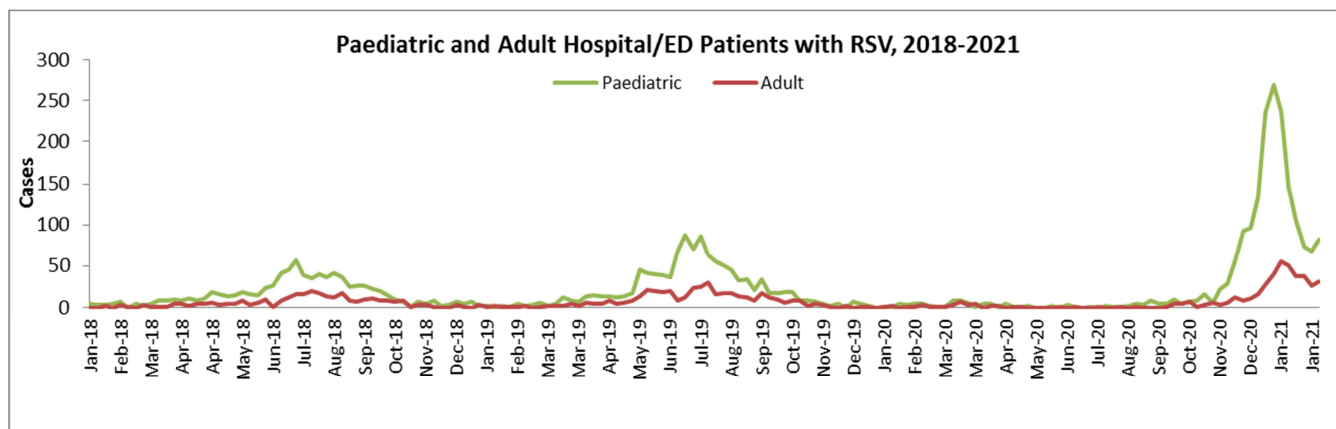


Figure 3: Paediatric and adult hospitalised patients with RSV, 2017-2020.

There were 82 children and 31 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.