

Paediatric Respiratory Pathogen Report

Week 52, 21st December– 27th December 2020

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

- There were 234 paediatric cases of RSV this week. 202 were from the Metro area and 32 were from regional WA.
- There were no paediatric cases of influenza this week.
- The total number of paediatric cases of COVID-19 detected by PCR at PathWest is 36, as of 29th of December.

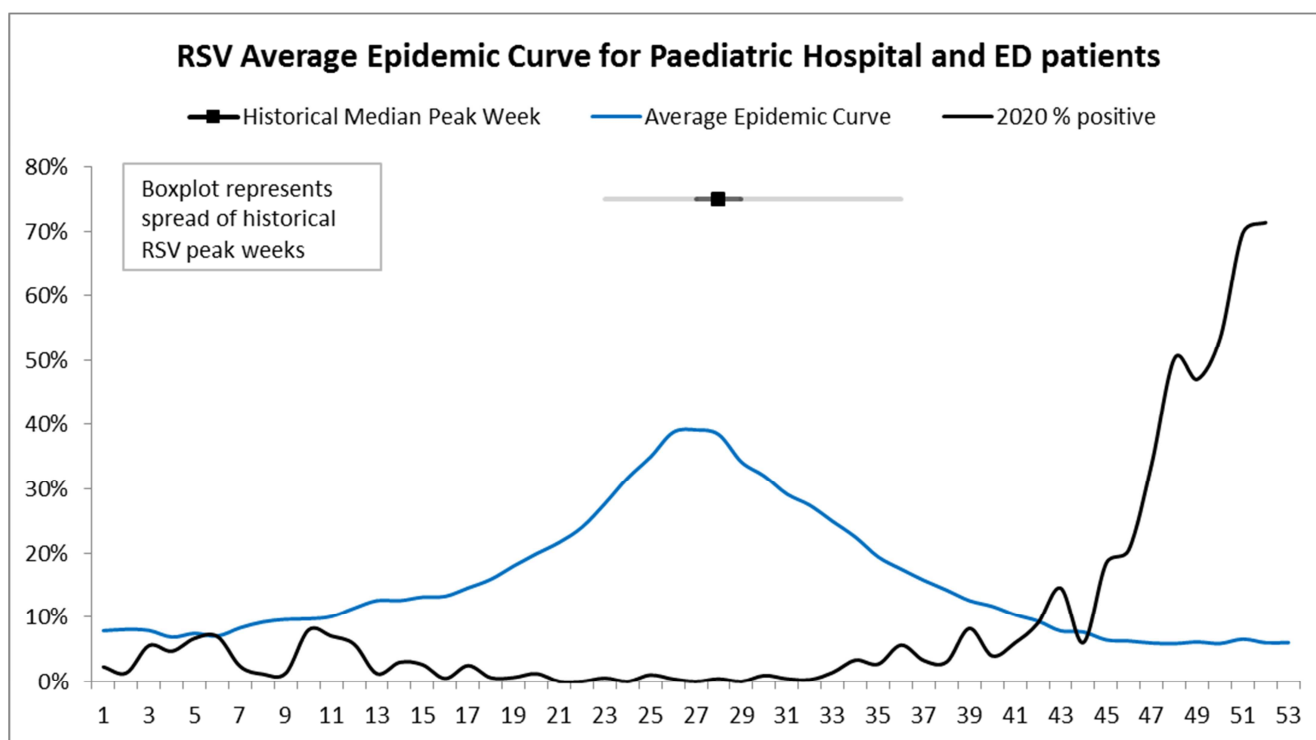


Figure 1: The current season plotted against the Paediatric RSV Average Epidemic Curve. The average epidemic curve was constructed by averaging all seasons measured at PathWest QE2 from 2007-2019. The high intensity threshold is 1.645 standard deviations above (upper 90% CI) the average epidemic curve.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

RSV proportion positive (71%) is well above levels historically observed at this time of year.

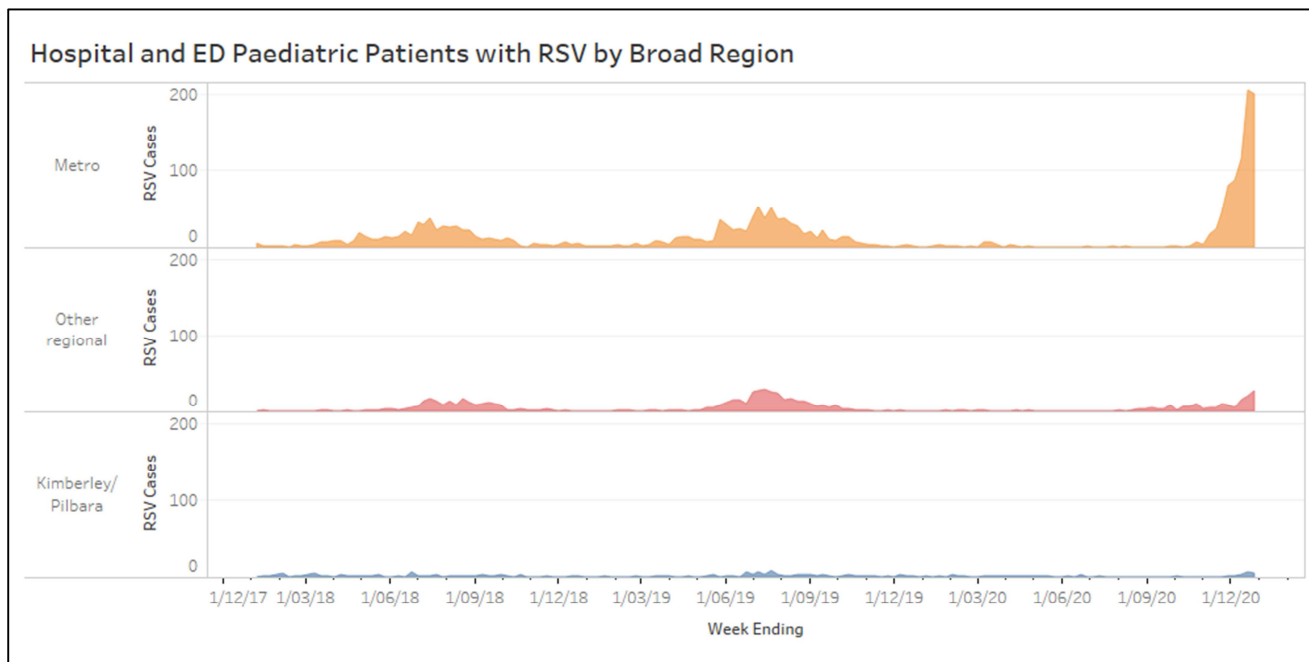


Figure 2: Hospitalised paediatric patients with RSV in Perth metropolitan region, in both Kimberley and Pilbara combined and in the remaining regions combined.

There were 234 paediatric cases of RSV this week. 202 were from the metro area, 17 from the Southwest, 5 from the Kimberley, 4 from the Wheatbelt, 3 from the Great Southern, 2 from the Goldfields and 1 from the Midwest.

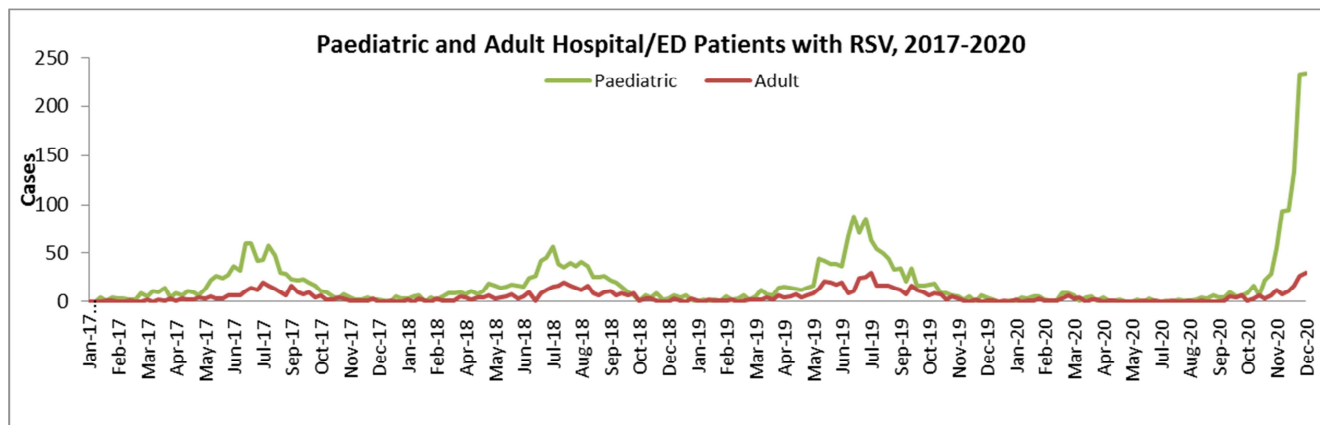


Figure 3: Paediatric and adult hospitalised patients with RSV, 2017-2020.

There were 234 children and 30 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.