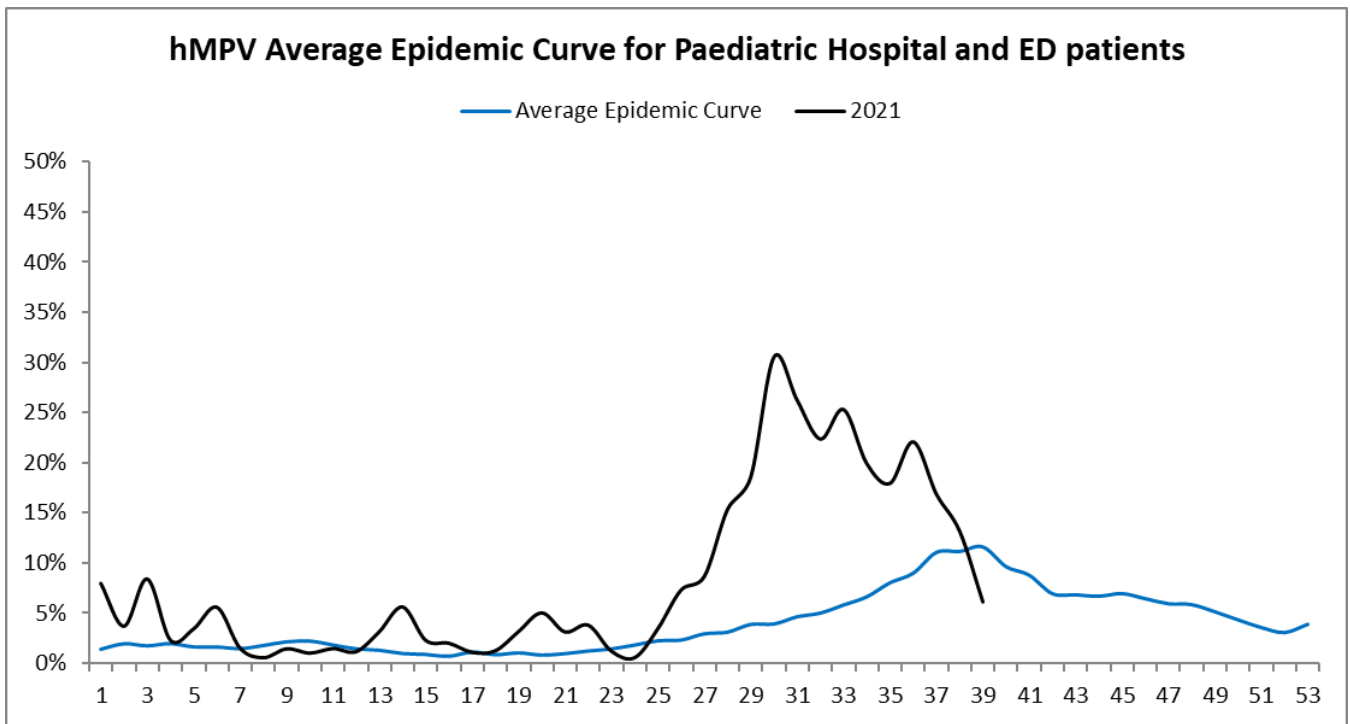


## Paediatric Respiratory Pathogen Report

Week 39, 27<sup>th</sup> September 2021 – 03<sup>rd</sup> October 2021

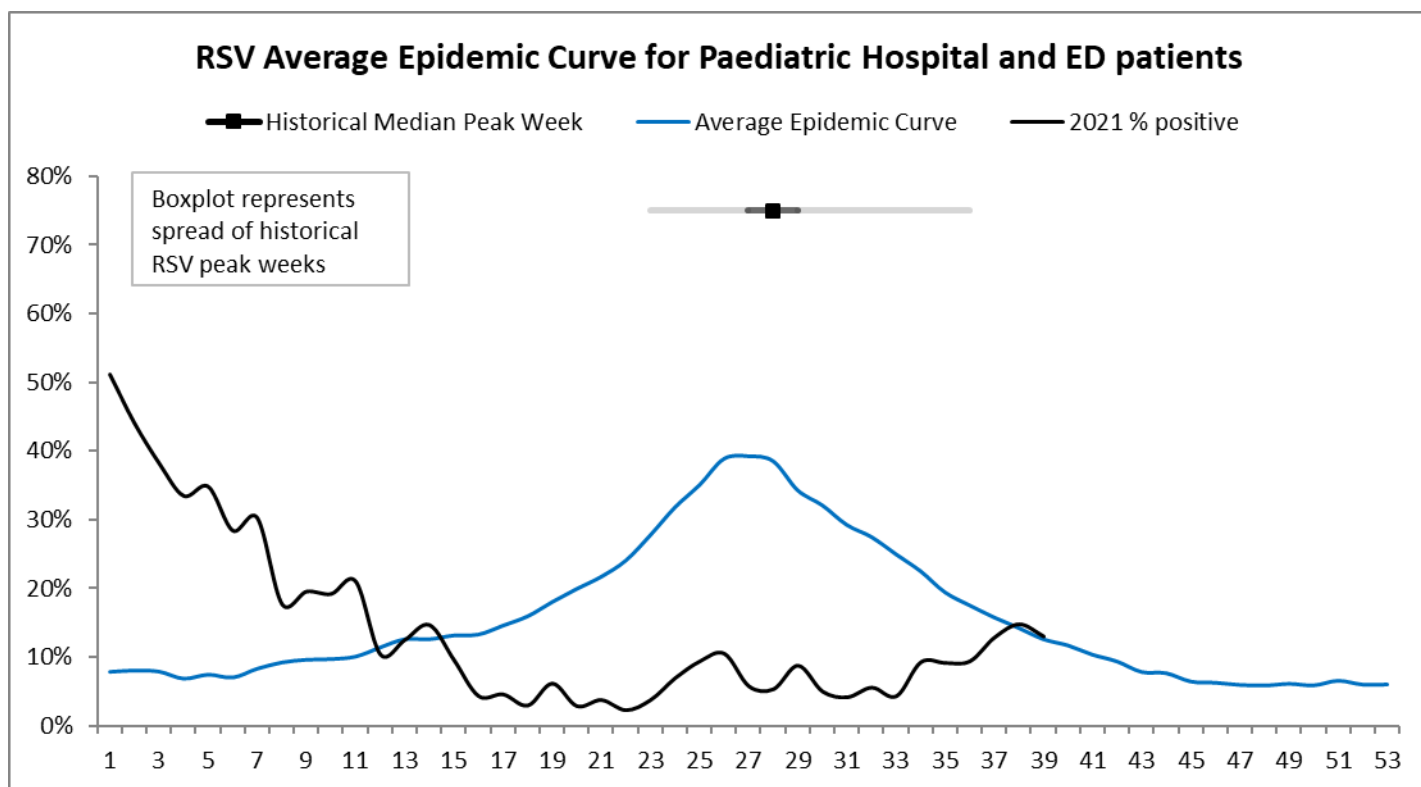
- The most common respiratory virus detected in paediatric patients this week was RSV, with 32 cases. 30 of these cases were from the Metro area.
- Other respiratory viruses detected this week were parainfluenza 3 (27 cases) and human metapneumovirus (18 cases).
- There were no paediatric influenza cases detected at PathWest this week.
- The total number of paediatric cases of COVID-19 detected by PCR at PathWest is 64, as of 05<sup>th</sup> October.



**Figure 1:** The current season plotted against the Paediatric HMPV Average Epidemic Curve. The average epidemic curve was constructed by averaging all seasons measured at PathWest QE2 from 2007-2019. Data represents all WA hospitalised and ED paediatric patients tested by PathWest

*hMPV proportion positive (6.10%) decreased and below levels historically observed at this time of year.*

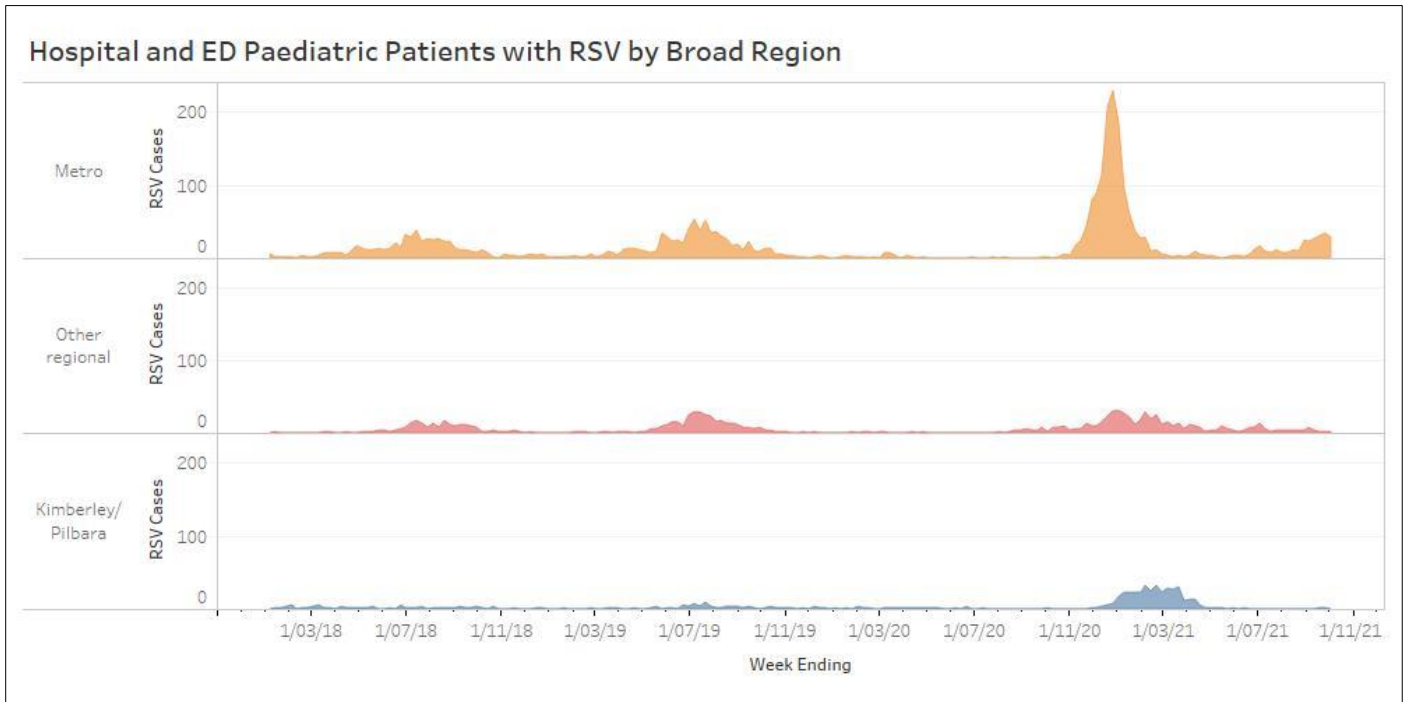
Data is representative of all patients attending a hospital (public or private) in Western Australia, for which a respiratory sample was collected and tested at a PathWest laboratory.



**Figure 2:** 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.

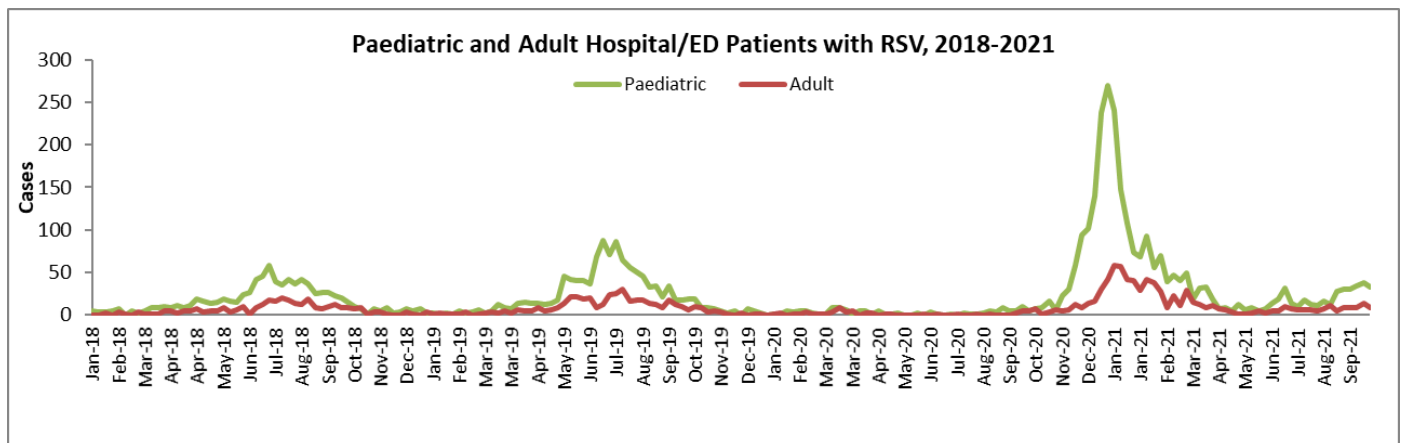
*RSV proportion positive (13%) is at levels historically observed at this time of year.*

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

*Of the 32 paediatric cases of RSV this week, 30 were from the Metro area and there was one case from each of the Goldfields and Midwest.*



**Figure 4:** Paediatric and adult hospital attending patients with RSV, 2018-2021.

*There were 32 children and 8 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.