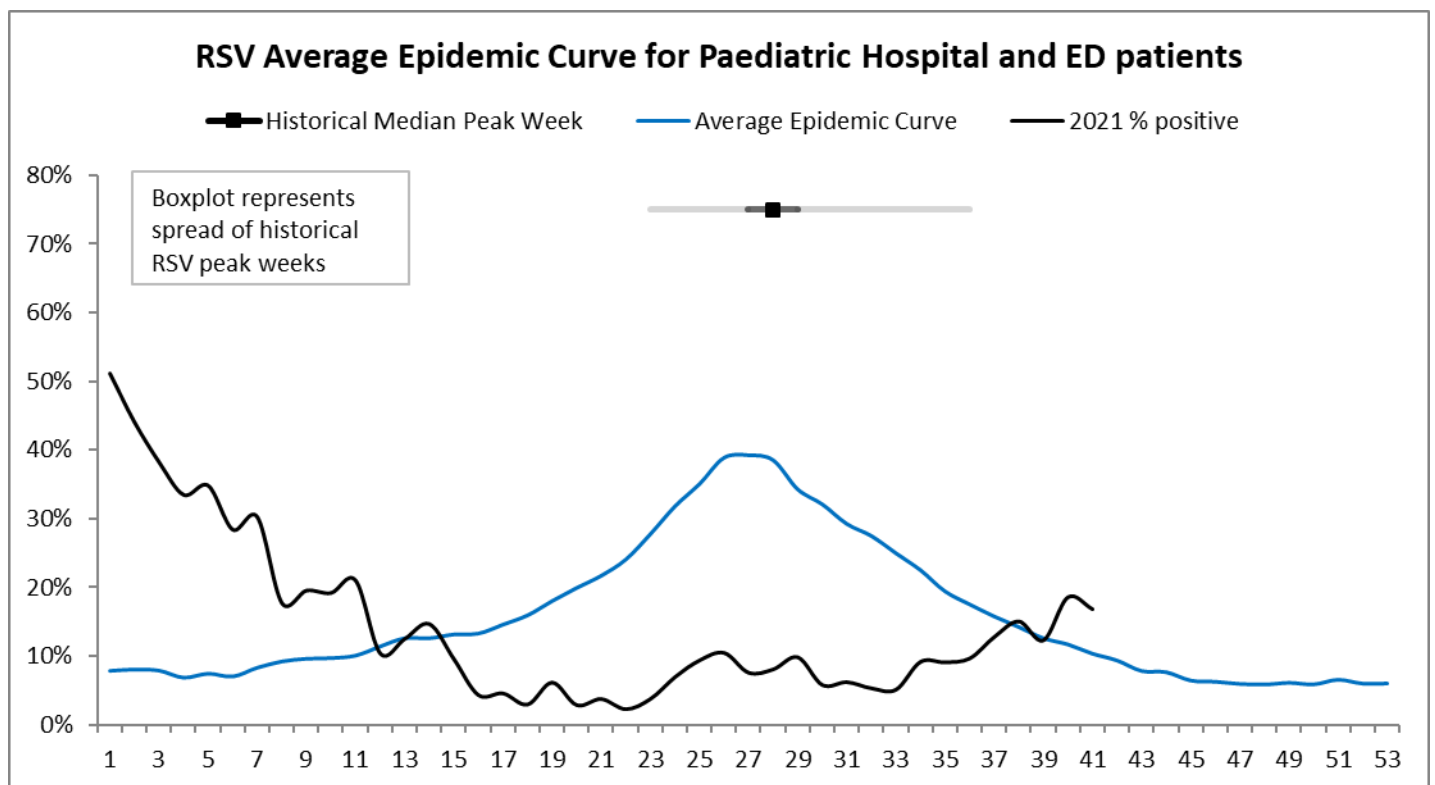


# Paediatric Respiratory Pathogen Report

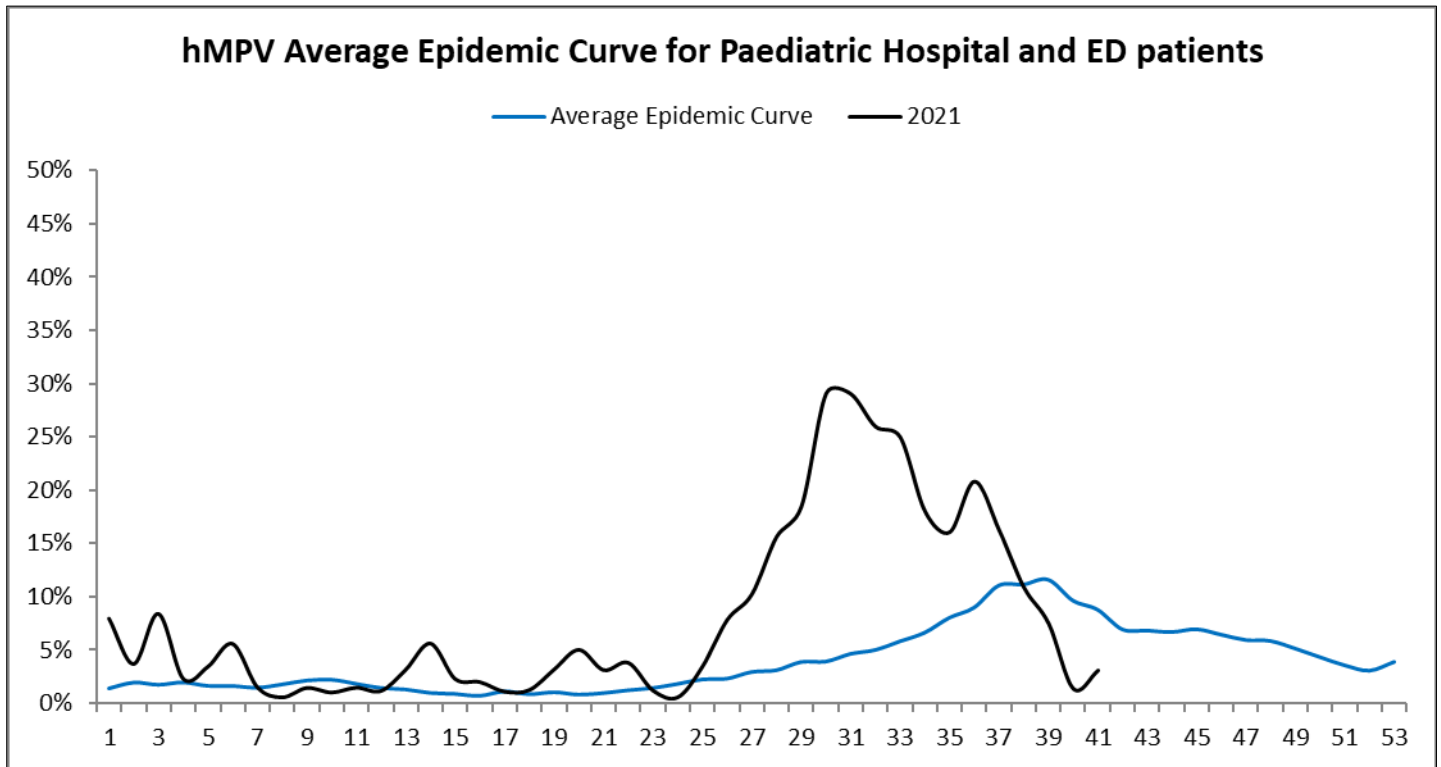
## Week 41, 11<sup>th</sup> October 2021 – 17<sup>th</sup> October 2021

- The most common respiratory virus detected in paediatric patients this week was RSV, with 33 cases. 27 of these cases were from the Metro area.
- Other respiratory viruses detected this week were parainfluenza virus (21 cases) and human rhinovirus (17 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 20<sup>th</sup> October.



**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.

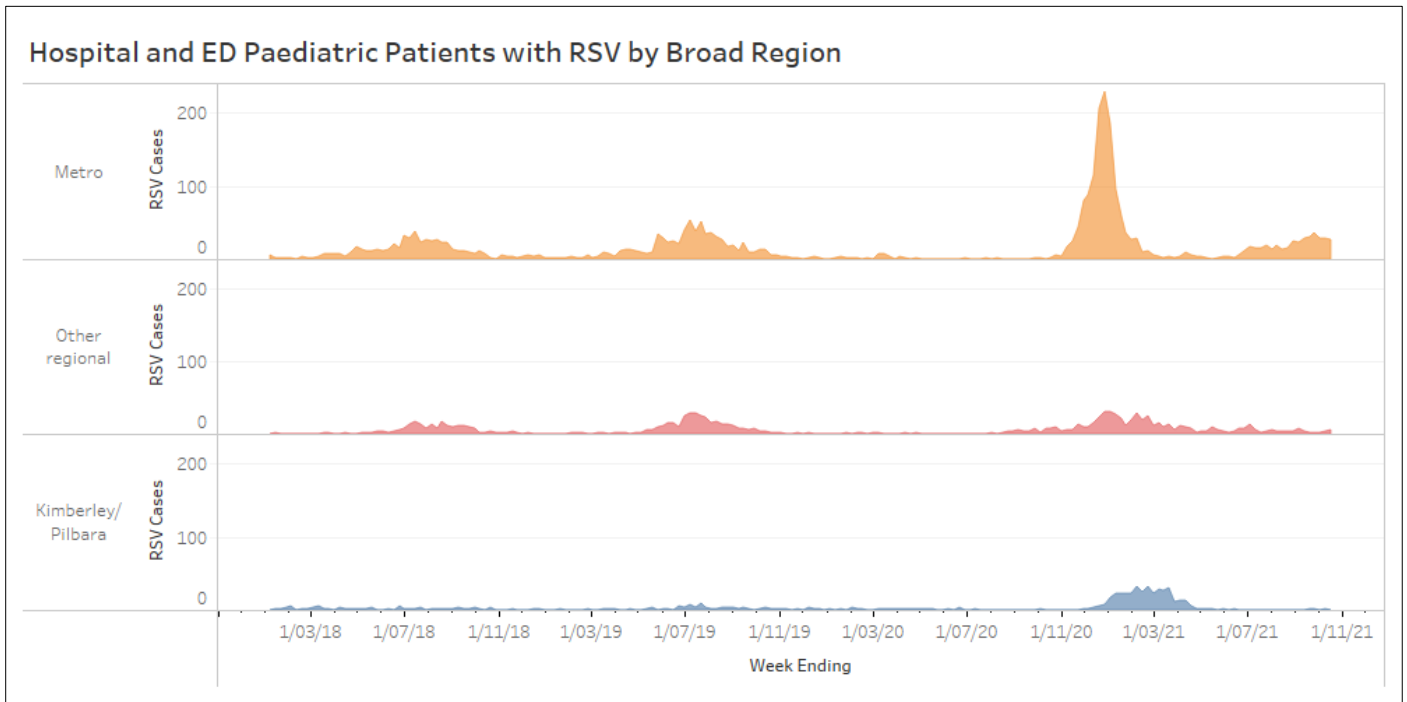
*RSV proportion positive (17%) is higher than levels historically observed at this time of year.*



**Figure 2:** 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

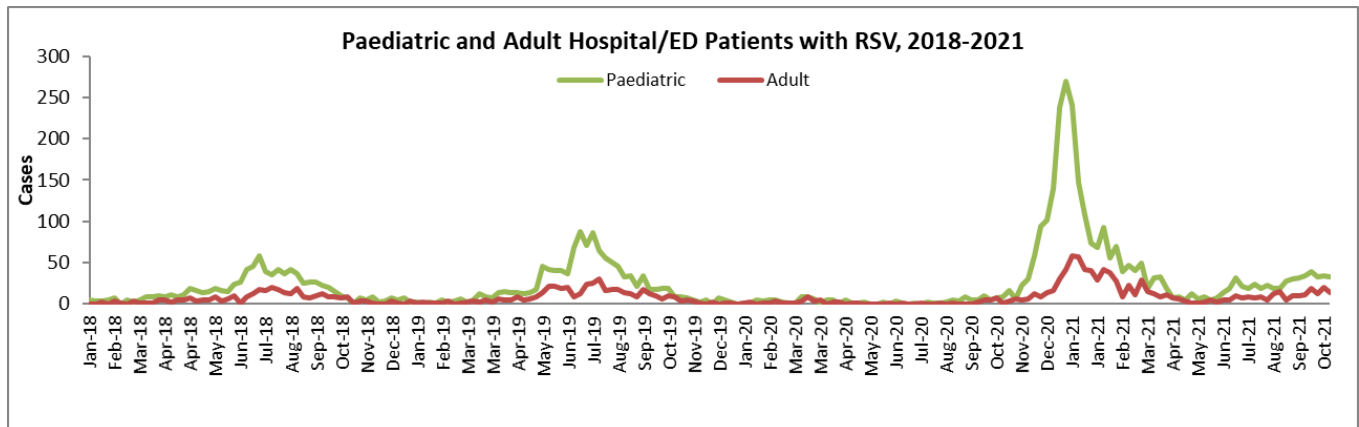
*hMPV proportion positive (3%) is below levels historically observed at this time of year.*

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 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 33 paediatric cases of RSV this week, 27 were from the Metro area, there were two cases from each of the Southwest and Wheatbelt and one case from each of the Midwest and Goldfields regions.*



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

*There were 33 children and 14 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.