• RSV cases and proportion positive are at inter-seasonal levels
• There were two hospitalised paediatric influenza cases this week

**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 2007-2018. The high intensity threshold is 1.645 standard deviations above (upper 90% CI) the average epidemic curve. Data represents all WA hospitalised paediatric patients tested by PathWest.

*RSV proportion positive remains at inter-seasonal levels.*
Figure 2: Proportion positive (RSV & Influenza) or cases (other respiratory pathogens) for the current week (red line) plotted against the historic range (grey box) and median (black line) for this week. Pie charts represent the breakdown influenza subtypes and count of each other respiratory pathogen. Data represents hospitalised paediatric patients tested by PathWest. Historic data is for years 2007-2018.

Influenza proportion positive (4%) was higher than the historic median (1%) for this week. The two paediatric influenza cases comprised one (50%) influenza A/H3 and one (50%) influenza B. RSV proportion positive (7%) was equivalent to the historic median (7%) for this week. Of the 4 RSV hospitalisations, two had RSV A, one had RSV B and one is yet to be subtyped. Other respiratory virus detections were equivalent to the historic median for this week.
Figure 3: Hospitalised paediatric patients with RSV in Perth metropolitan region, in both Kimberley and Pilbara combined and in the remaining regions combined.

Of four RSV paediatric patients three were in the metropolitan region and one in the Midwest.

Figure 4: Paediatric and adult hospitalised patients with RSV, 2014-2019

Four paediatric patients and two adult patients were hospitalised with RSV.
Figure 5: Hospitalised paediatric patients with influenza in the Perth metropolitan region, in both Kimberley and Pilbara combined and in the remaining regions combined.

Both paediatric influenza patients were from the Metropolitan region.

Figure 6: Paediatric and adult hospitalised patients with influenza, 2014-2018

Overall, influenza hospitalisations remained high for this time of year, with two children and twenty-one adults hospitalised with influenza.