Paediatric Respiratory Pathogen Report
Week 38, 17th-23rd September 2018

- Influenza cases and proportion positive increased in paediatric patients and is higher than normally seen at this time of year. Influenza cases in adult patients remain low.
- RSV cases and proportion positive are trending downward in paediatric patients.

![RSV, Influenza and Other Respiratory Pathogens in Hospitalised Paediatric Patients Week 38 2018](image)

**Figure 1:** 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 of RSV types, influenza subtypes and count of each other respiratory pathogen. Data represents hospitalised paediatric patients tested by PathWest. Historic data is for years 2007-2017.

*Influenza proportion positive (20%) is above the historic median for this week and has increased from the previous week (17%). The majority of influenza detections are influenza A/H1 (85%). RSV proportion positive is below the historic median for this reporting week.*
Figure 2: Hospitalised paediatric patients with RSV in Perth metropolitan region, in both Kimberley and Pilbara combined and in the remaining regions combined.

**RSV activity continues to decrease towards inter-seasonal levels.**

Figure 3: Paediatric and adult hospitalised patients with RSV, 2014-2018

**RSV cases in paediatric and adult hospitalised patients are trending downwards**
**Figure 4:** Hospitalised paediatric patients with influenza in the Perth metropolitan region, in both Kimberley and Pilbara combined and in the remaining regions combined.

*Influenza cases in metropolitan and regional hospitalised paediatric patients remain high.*

**Figure 5:** Paediatric and adult hospitalised patients with influenza, 2014-2018

*Influenza in hospitalised paediatric and adult patients increased. Adult case numbers are low for this time of year.*
Figure 6: Proportion positive of adult and paediatric influenza patients with average epidemic curves. Average epidemic curves were constructed by averaging all seasons measured at PathWest QE2 from 2007-2017.

*Influenza proportion positive of paediatric hospitalised patients increased this week and is higher than normally seen at this time of year. Influenza proportion positive of adult hospitalised patients also increased this week however is below normal levels.*