



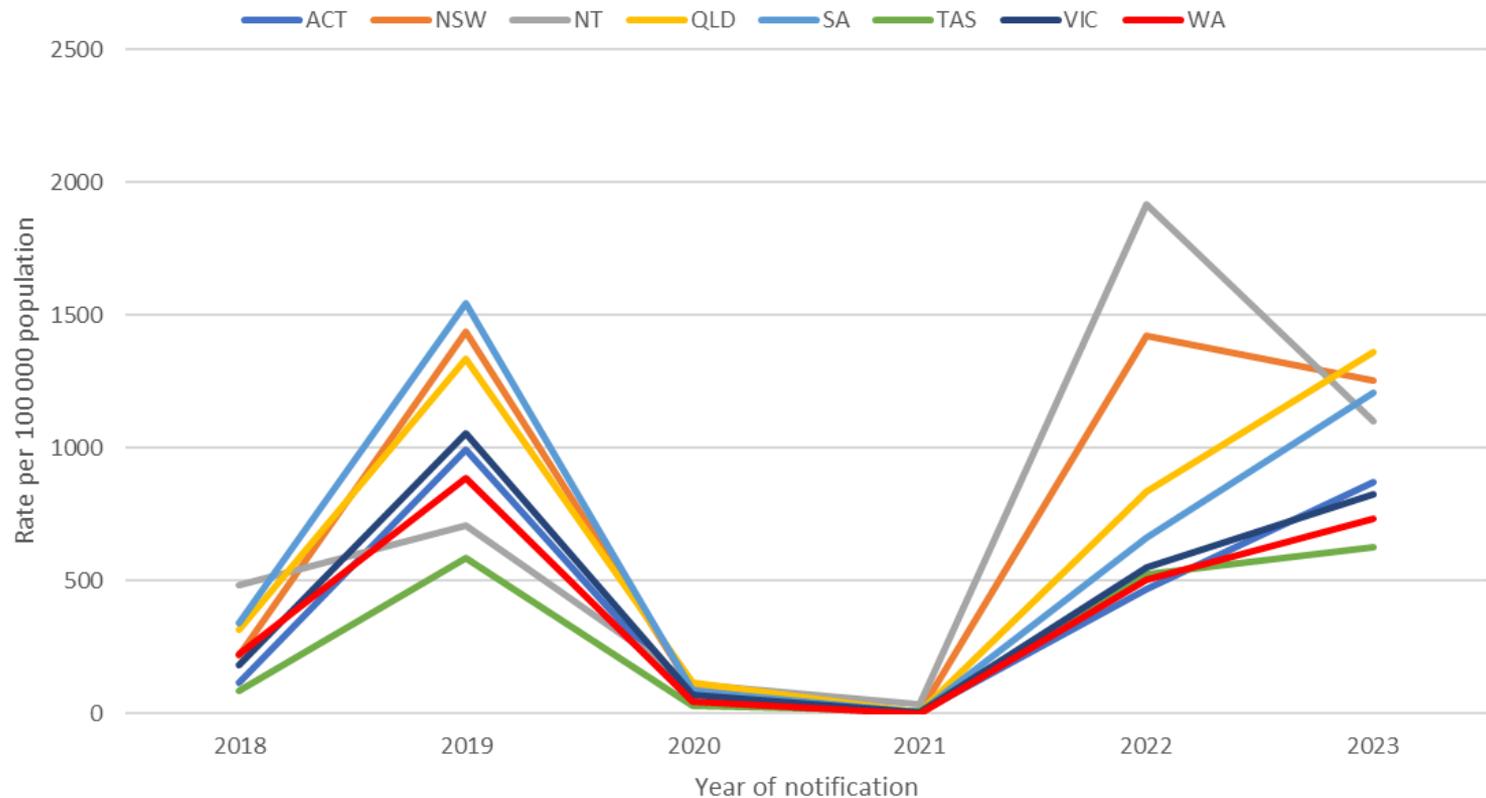
Government of **Western Australia**
Department of **Health**

Influenza Epidemiology

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CDCD



Influenza notifications by jurisdiction, 2018-2023

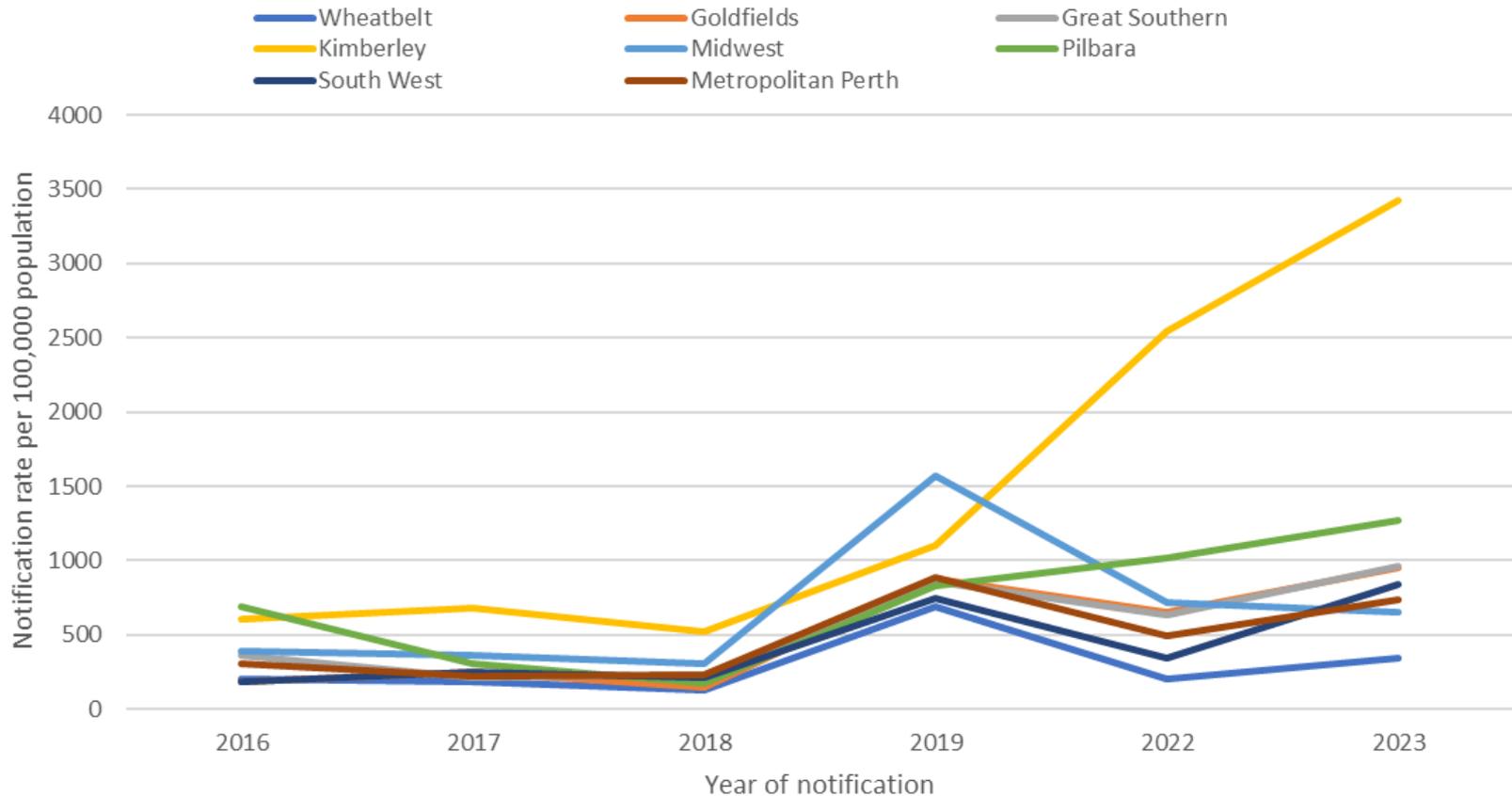


Data from the National Interoperable Notifiable Disease Surveillance System

In 2023

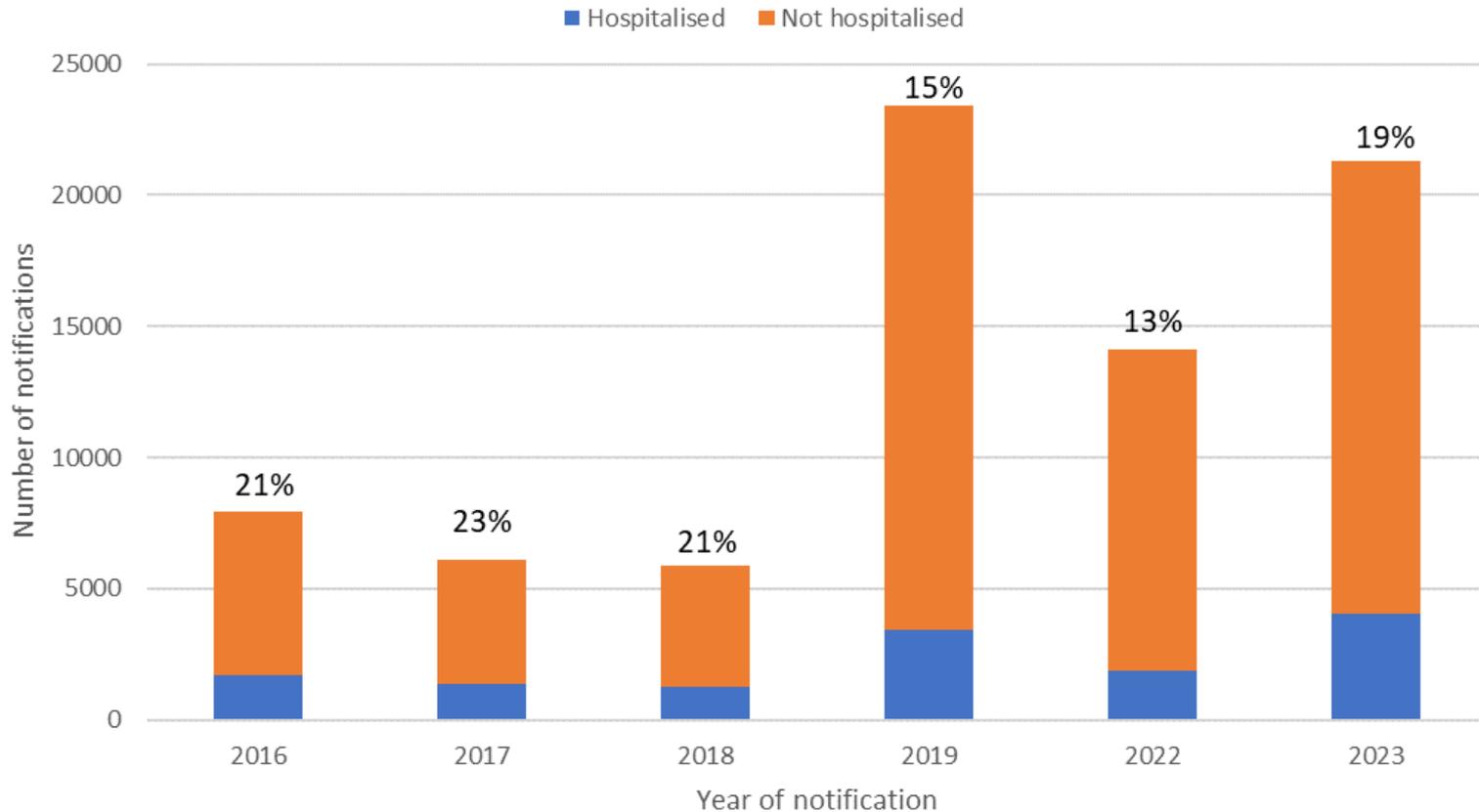
- Influenza in most jurisdictions returned to, or exceeded pre-pandemic levels
- Rates varied from 625 cases per 100,000 population in TAS to 1,362 cases per 100,000 population in QLD.

Influenza notification rates in WA by PHU



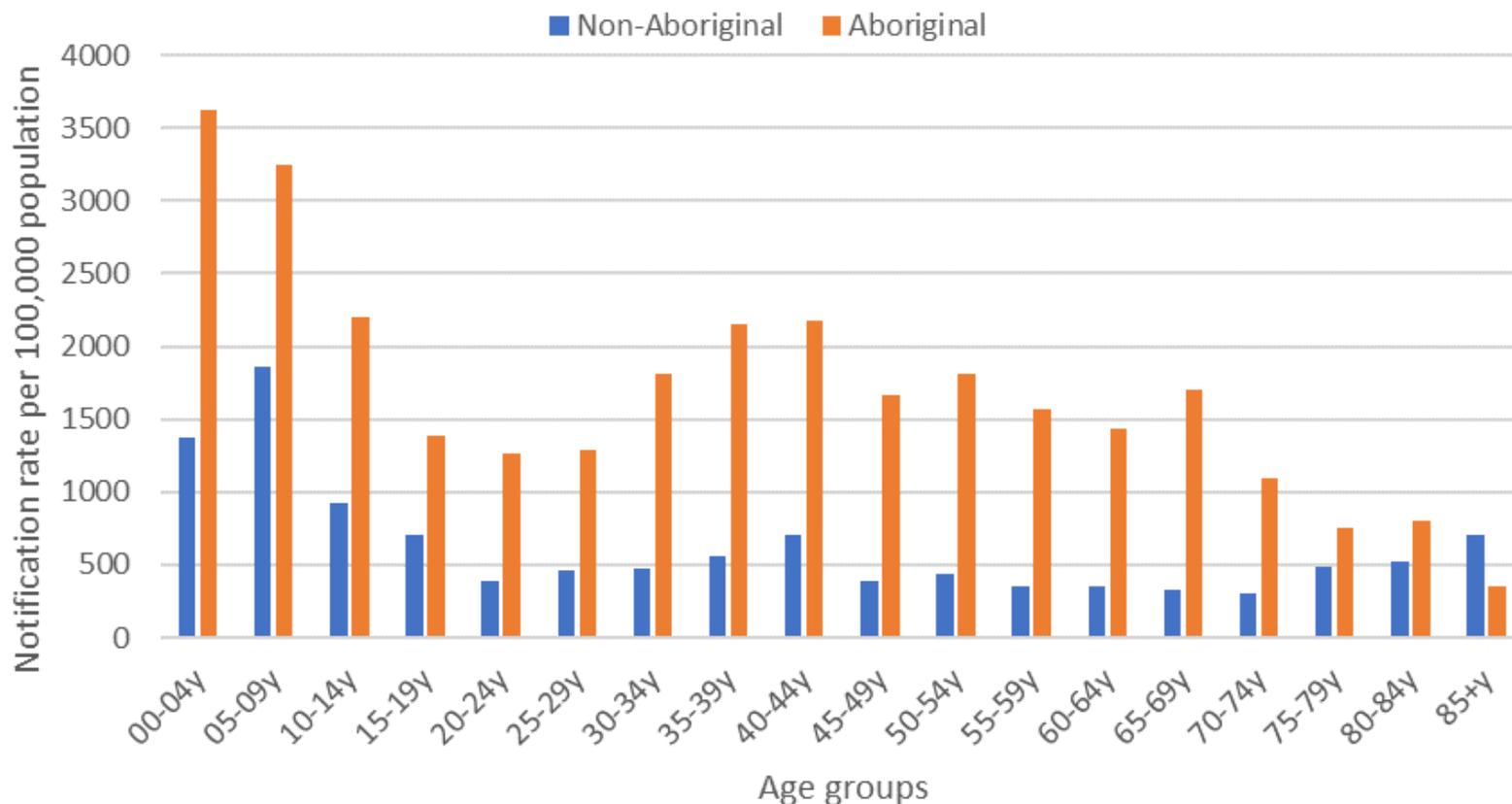
- 21,330 notifications in 2023, the second highest annual number of notifications
- Rates in 2023 higher than 2022, with exception of Midwest
- Highest rates in 2023 in Kimberley and Pilbara

Influenza notifications in WA by year and hospitalisation



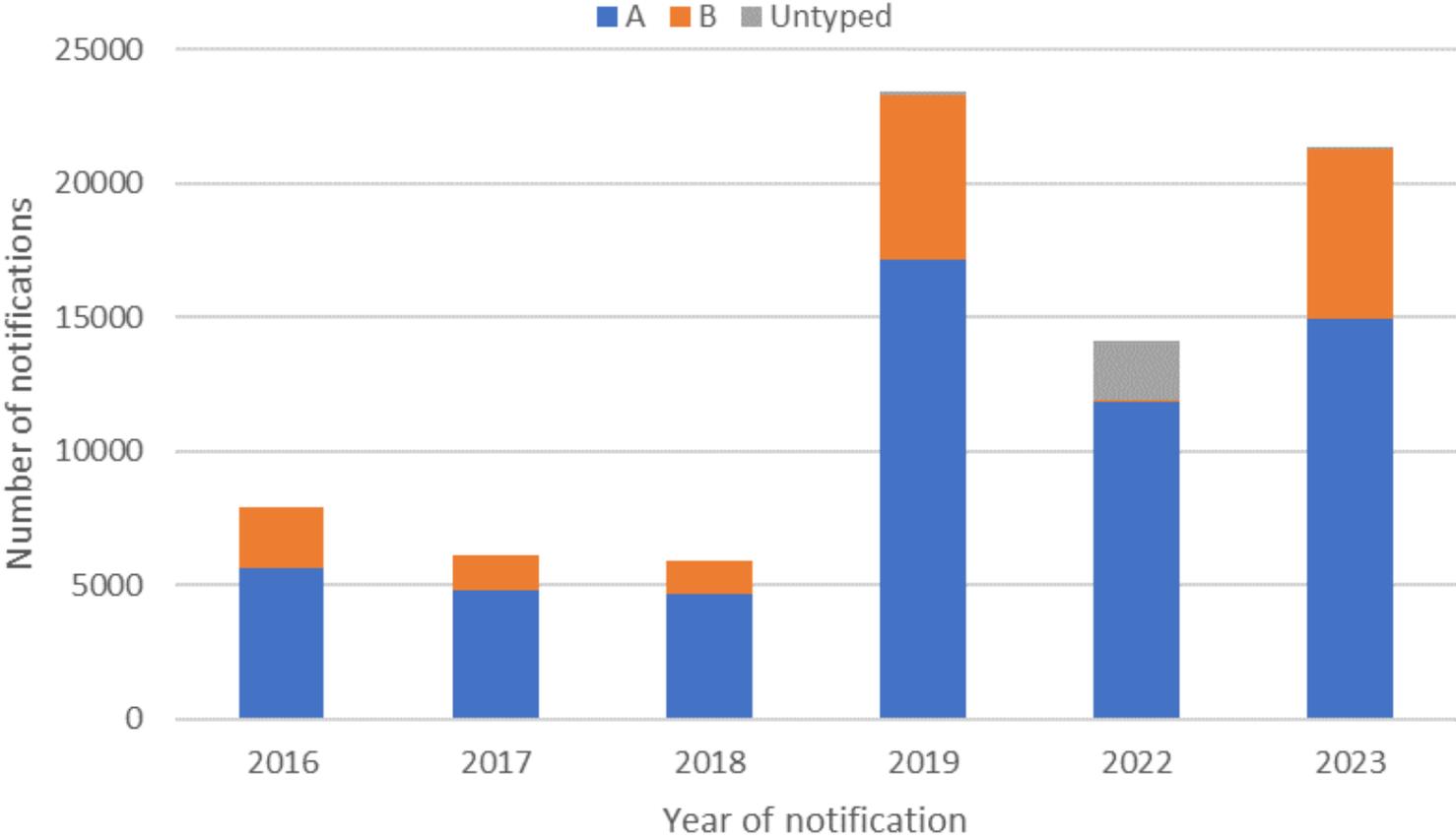
- 13 - 23% of cases were hospitalised
- 0.08 – 0.8% of cases died

Influenza rates by Aboriginality and age group, 2023



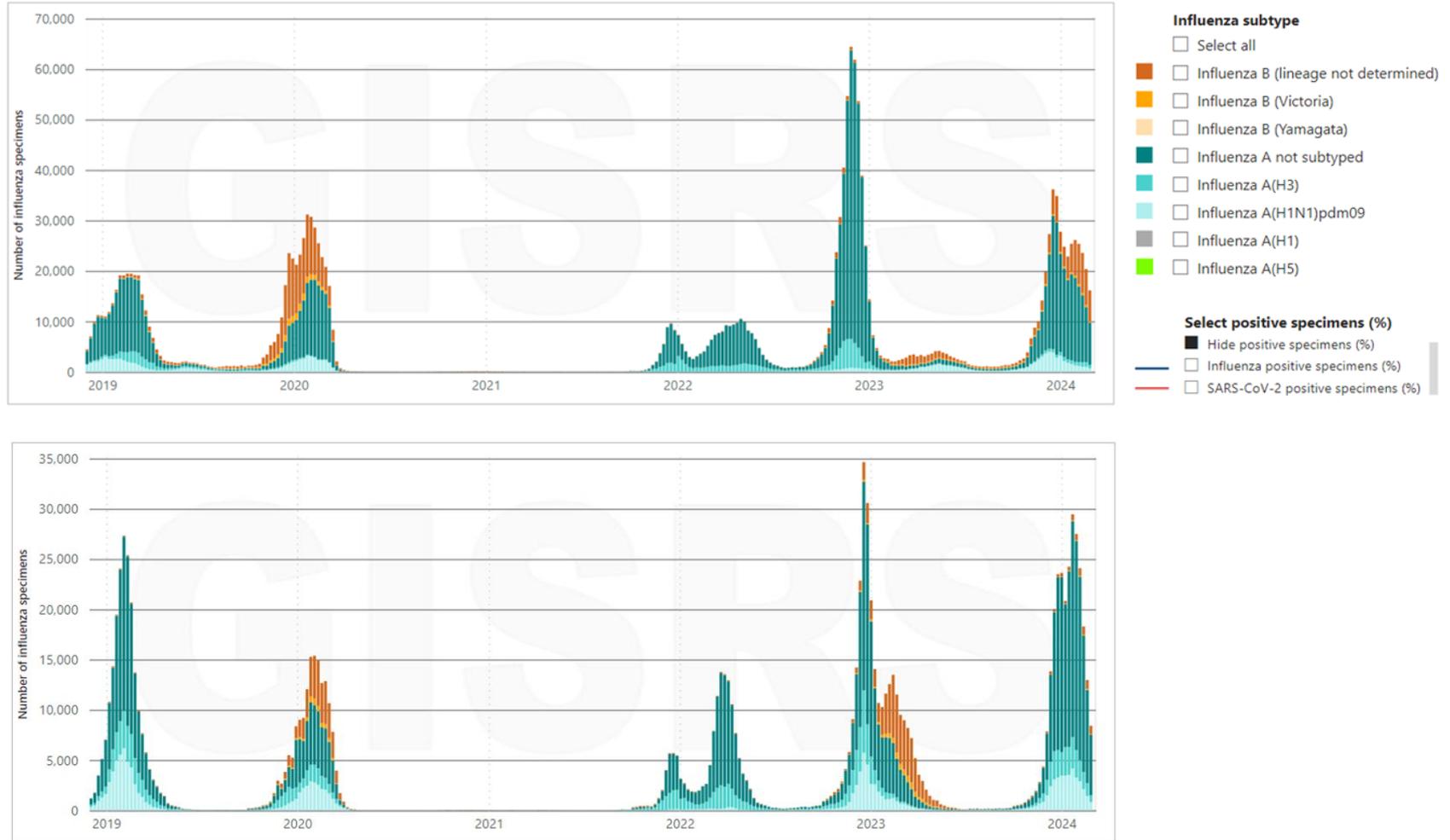
- Notification rate higher in Aboriginal people in all age groups except 85+ years
- Children aged under 10 years most affected

Influenza notifications in WA by year and type



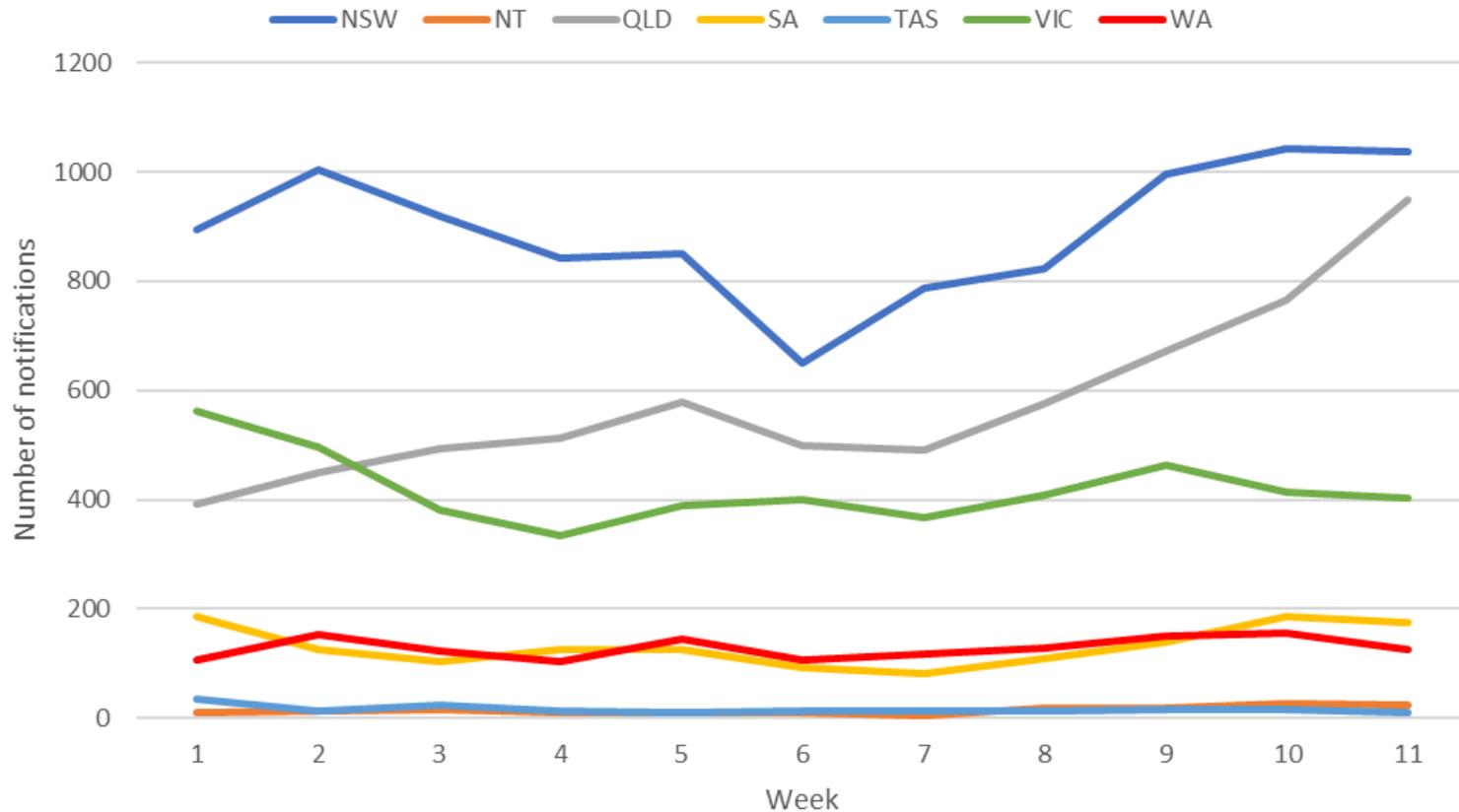
- In 2023, 70% of influenza notified was type A, with 81% unspecified A, 15% A/H1N1, 4% A/H3
- In 2023, 30% of influenza notified was type B, all unspecified

Influenza in Americas (top) & Europe (bottom)



Data from [FluNet Summary \(who.int\)](https://www.who.int/flu-net)

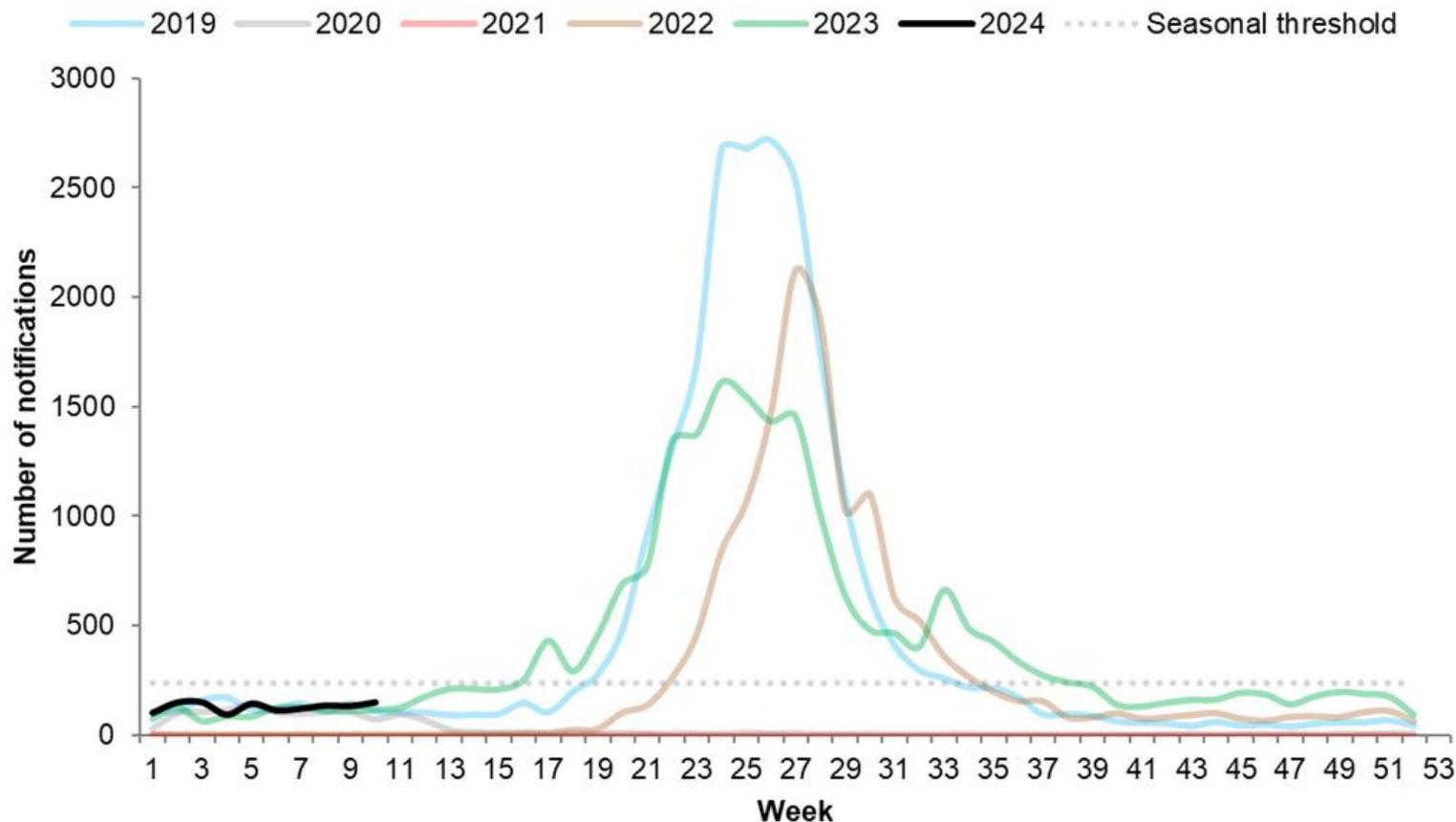
Influenza notifications by jurisdiction, week, 2024 YTD



Data courtesy of National Interoperable Notifiable Disease Surveillance System

- The number of influenza cases notified in QLD & NSW trending upwards

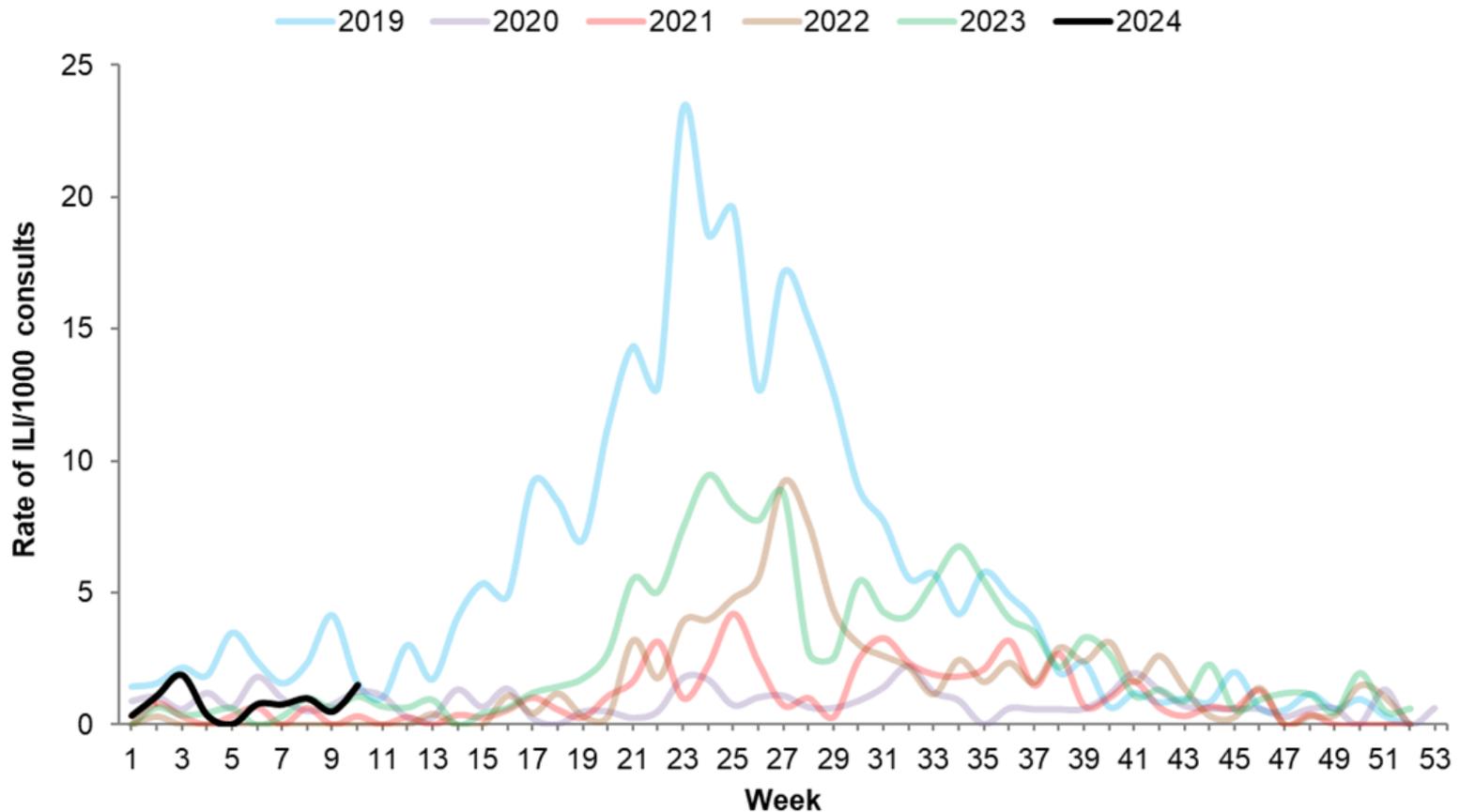
Influenza notifications in WA by week and year



Inter-seasonal threshold calculated based on analysis of inter-seasonal data from 2016-2019 & 2023

- 1346 cases 2024 YTD, cases remain below the seasonal threshold
- Proportion of PCR positive samples remains below 5%
- 2024 YTD 85% type A, 15% type B

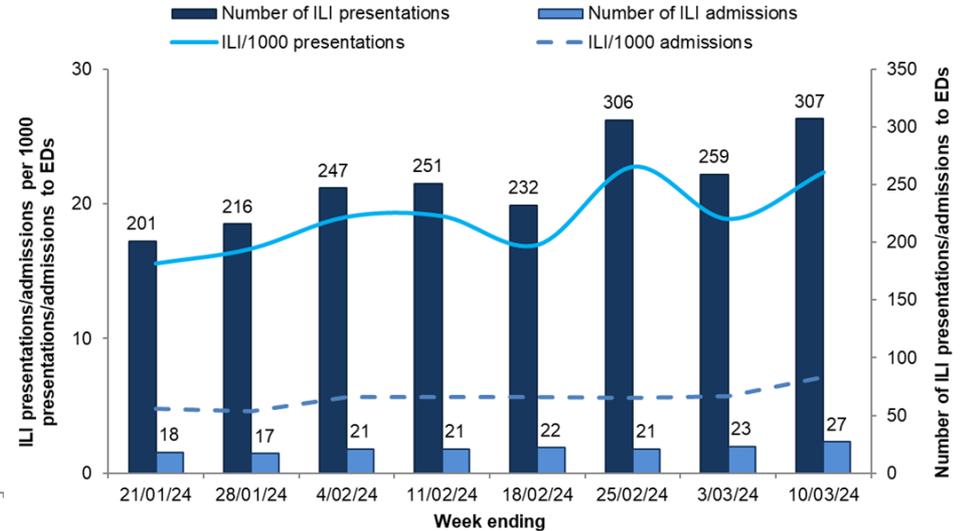
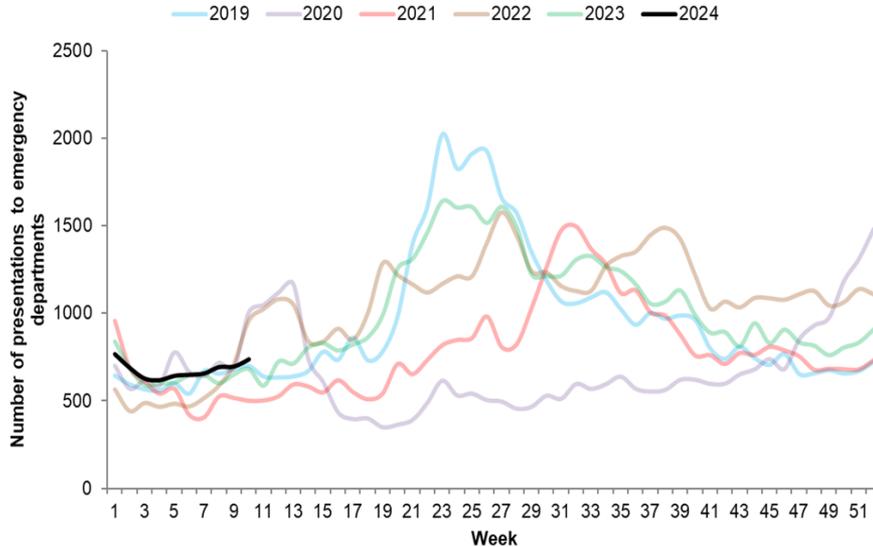
Sentinel GP presentations for influenza-like illness



Data from Australian Sentinel Practices Research Network

- The rate of ILI presentations to sentinel GPs is in the mid-high range of values usually reported at this time of year

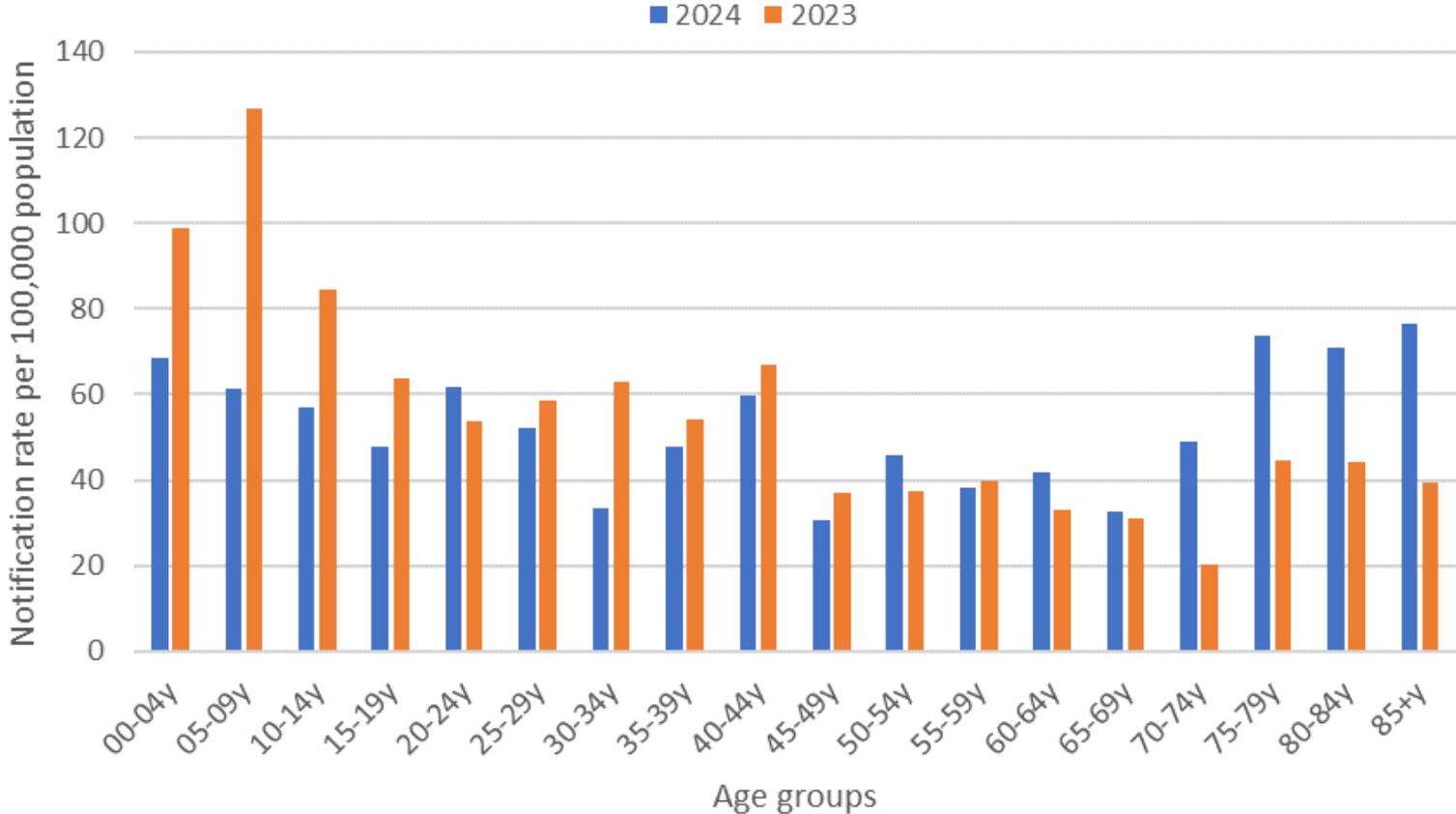
Emergency department presentations in WA



Data from EDIS ICD codes consistent with respiratory & influenza like illnesses

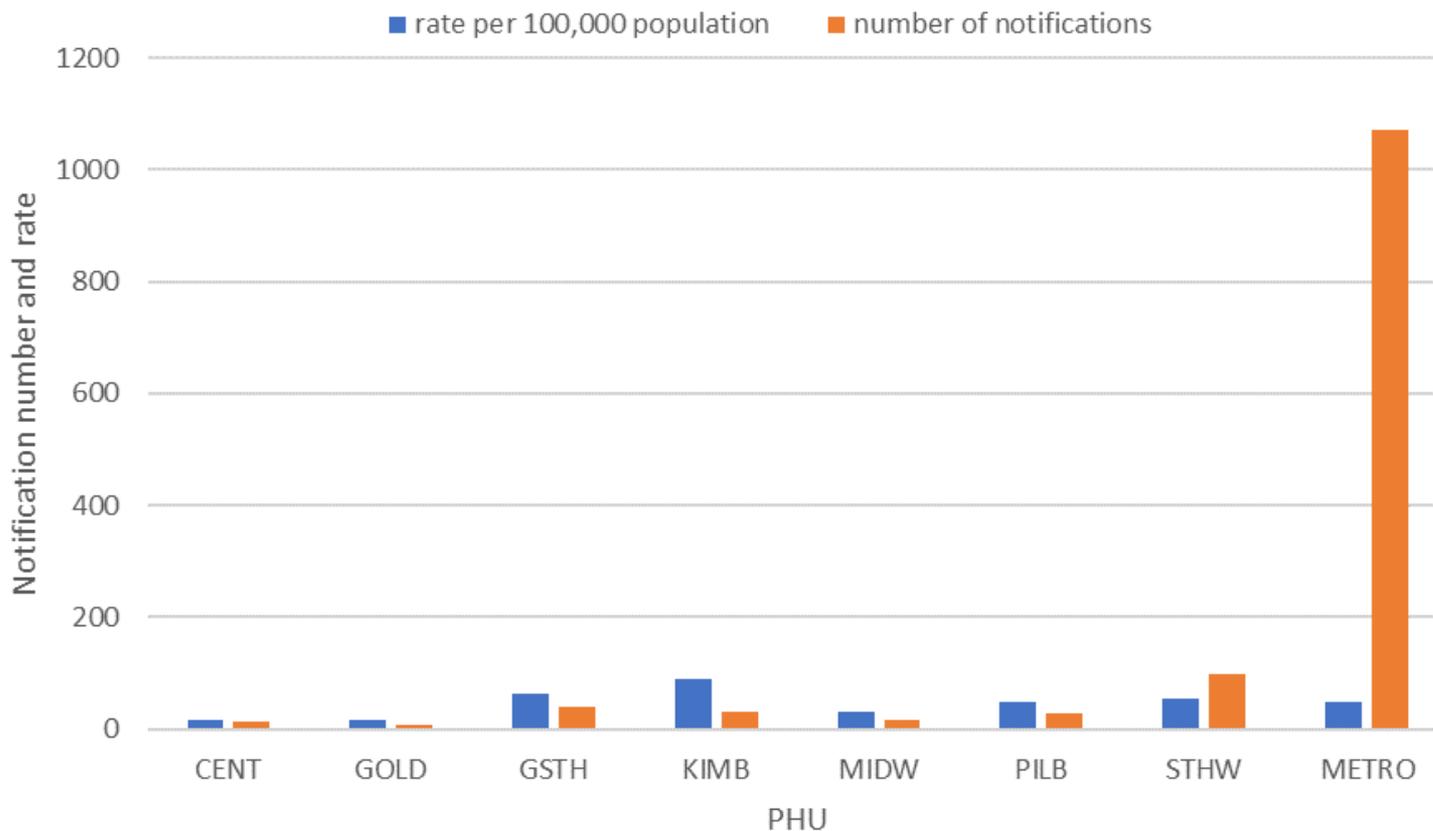
- The number of respiratory illness presentations to EDs in 2024 are in the higher range of values usually reported at this time of year
- Influenza-like illness presentations to ED have increased
- 233 hospitalisations (17.3%) 2024 YTD
- No deaths reported 2024 YTD

Influenza notifications by age groups 2024 YTD



- 2024 YTD lower or similar distribution across most age groups, compared to 2023 Jan-Mar
- Higher rate in 2024 YTD in 70+ age groups

Influenza notifications and rates by PHU 2024 YTD



- In 2024 YTD, metropolitan Perth = highest number of notifications, Kimberley = highest notification rate, followed by the Great Southern.

Summary

WA 2023:

- Second highest number of notifications on record
- Moderate severity, 19% hospitalised
- Children aged <10 years most affected
- Season dominated by type A

WA 2024 YTD:

- 1346 cases, below seasonal threshold
- GP presentations for ILI within expected range
- ED presentations for ILI increasing
- Highest rates in 70+ years
- Predominantly A type circulating (85%)