



## Health Hub: meeting the vaccination needs in a community setting

Katrina Boldt  
CNS – Public Health / RIC



# Acknowledgement

- I would like to respectfully acknowledge the traditional owners of the land where the Health Hub is situated, Ngarluma Country, and I pay respect to their elder's past, present and emerging.
- I would also like to extend acknowledgement to all Aboriginal and non-Aboriginal people in the room today and online who work to improve the health and wellbeing of Aboriginal people across WA.



# Background

- Health Hub commenced operation in 2019.
- Partnership with the Western Australian Centre for Rural Health.
- Located at Karratha Shopping Centre.
- Hours were Thursdays from 11am to 5pm.
- Services:
  - Immunisation
  - Sexual health screens
  - RHD treatment
- Staffed by 2-3 nurses and 1 AHW.





# Data Collection and Analysis

- Community Health Information System (CHIS)
- Report for clinical items:
  - Checklist and Consent
  - Immunisations provided
- Dates
  - 30 January 2020 to 31 August 2023
- Location
  - Clients with an encounter place of 'Karratha Health Hub.'
- Review client seen and vaccines given at encounter to determine schedule:
  - Childhood (6-8 weeks, 4 month, 6 month, 12 month, 18 month)
  - Influenza
  - Adult
  - Antenatal (dTpa)
  - Catch-Up
  - Overseas Catch-Up
  - SBIP



# Data Collection and Analysis

- If eligible, document if influenza vaccine given.
  - If vaccine was unavailable (i.e. February to April), then 'N/A' documented.
- Timeliness recorded for clients attending for childhood schedule by days. Did not include:
  - Catch-up
  - Overseas catch-up
- Overdue
  - Determined by timeliness
  - If vaccines given >30 days after due
- Descriptive analysis only.





# Results

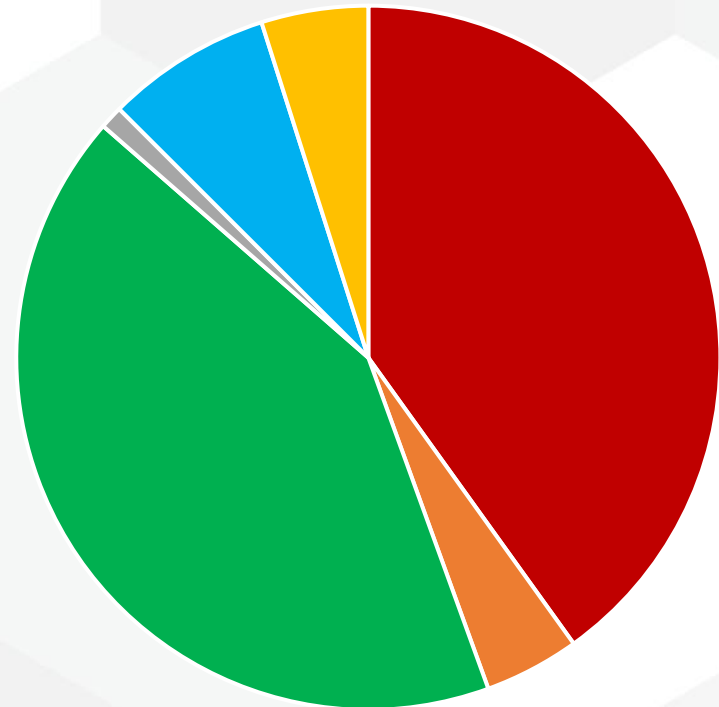
- 2078 vaccine encounters.
  - 592 (28.5%) Aboriginal clients
  - Age range 6 weeks to 77 years.
  - Median age is 4 years.
  - 56.6% were <5 years.
- 3,790 vaccines given.
  - 1,253 were influenza vaccines.





# Results

- 2,078 vaccine encounters.
  - 872 (41.9%) influenza vaccine only.
  - 834 (40.1%) childhood schedule.
  - 158 (7.6%) antenatal.
  - 91 (4.4%) SBIP.
  - 102 (4.9%) catch-up (inc. overseas)
  - 47 (2.3%) overseas catch-up.
  - 22 (1.1%) adult.



■ Childhood ■ SBIP ■ Influenza ■ Adult ■ Antenatal ■ Catch-up



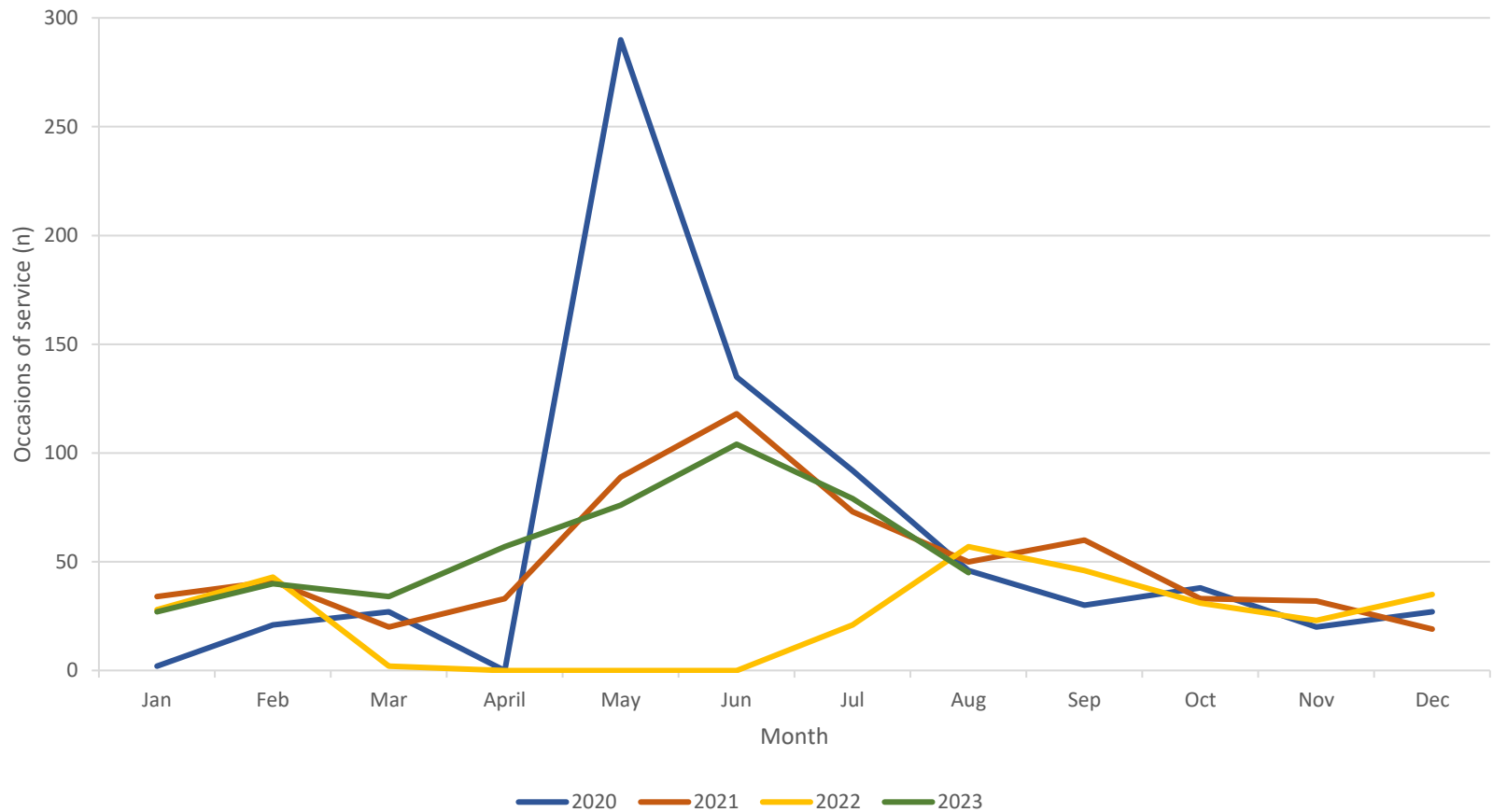
# Results

- Influenza vaccines
  - Of the 1,874 encounters where the client was eligible to receive the vaccine and it was available.
    - 1,250 (66.7%) received a vaccine.
    - Data was not further analysed to determine if client received influenza vaccine elsewhere and hence did not receive it during this encounter.
  - Of the 145 antenatal presentations where the influenza vaccine was available
    - 81 also received an influenza vaccine with the dTpa.
- Catch-Up
  - Of the 49 children requiring catch-up
    - 18 required vaccines from two schedules (i.e. 6 and 12 month).



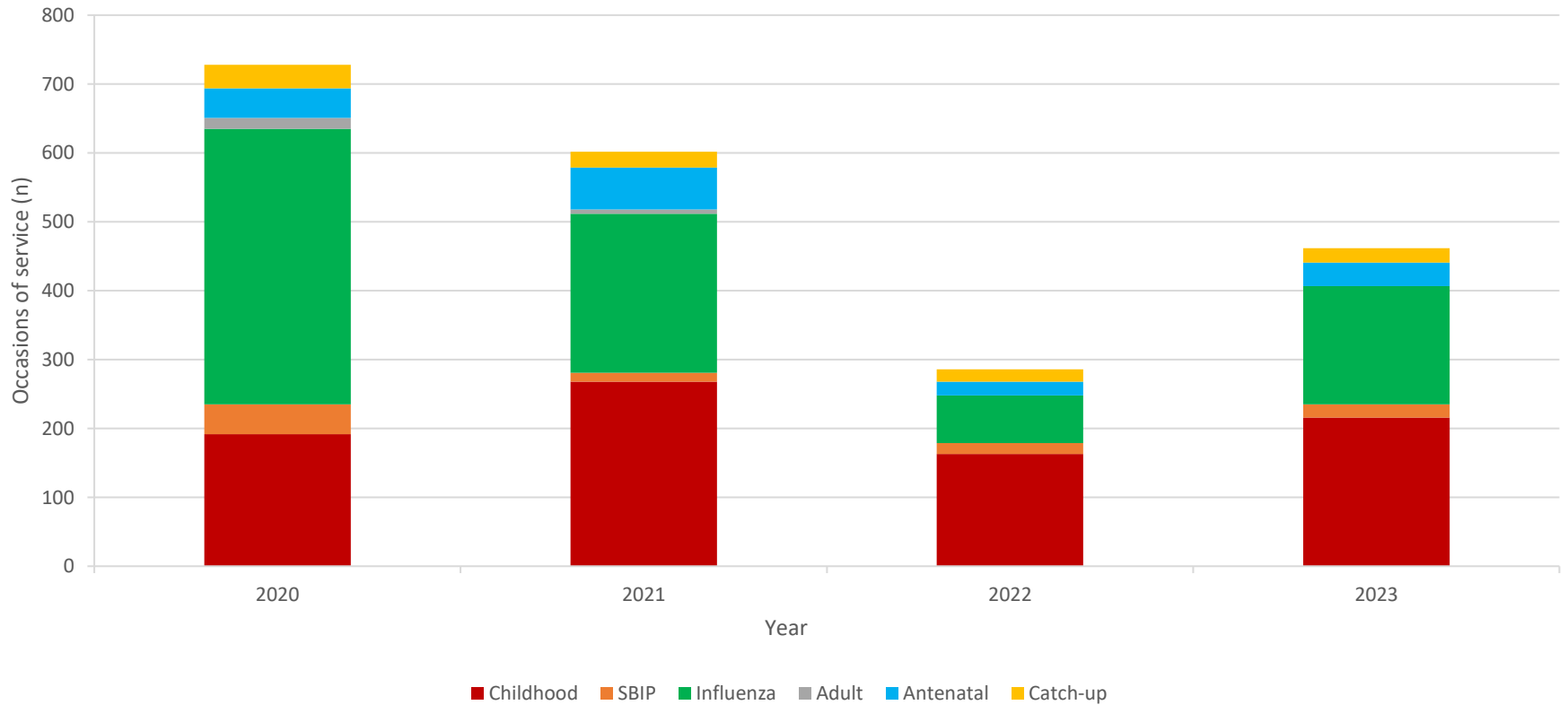


# Occasions of service by month and year





# Occasions of service by year and schedule



NOTE: 2023 only included up to 31 August.



# Results

- **Timeliness**
  - Of the 833 clients who were seen for childhood vaccines (not catch-up)
    - 376 (45.1%) received their scheduled vaccines 30 days or less from due date.
    - 457 (54.9%) were delayed in receiving their scheduled vaccines (>30 days after due).
  - Of the 457 clients who were overdue for childhood vaccines
    - Ranged from 1 day to 910 days overdue.
    - Half (n = 231) were seen within three months of becoming due.
  - **Changed each year, with a large decrease in 2023**
    - Range 47% (2023) to 63% (2022)



# Results

- The main reason for presenting for vaccination was for influenza and childhood vaccines.
- Most presentations for childhood vaccines were in children overdue (>30 days).
- Health Hub is an accessible service for childhood, Influenza, catch-up, adult, and school vaccines.

## Limitations

- No further information for clients not receiving influenza vaccines
- No comparison with other Karratha Community Health services.
- Errors in data.

## What Next?

- Service closed its doors on 5 October 2023.
- The space will now be used by the local AMS.
- Continue to look for an alternative space to provide another access point for vaccinations in the community.



# Thank you

- Community health, school health, and child health nurses.
- Aboriginal Health Workers.
- WA Centre for Rural Health.
- Clients and families who attended the Health Hub.

