

# 6-week immunisation event given report guide

## About this document

This guide describes the Power BI 6-week immunisation event given report purpose, and includes an example, data dictionary, known data issues, the filters, ways to sort the report, and information for data analysts.

Version	1.4
Date	11 September 2024
Changes	Added 'Enrolled with Provider' column to indicate if a consumer is enrolled (or not) with a practice. Y indicates pre-enrolled or enrolled and N indicates nominated or not enrolled.

## Report purpose

The report identifies pēpi who have a recorded outcome on the Aotearoa Immunisation Register (AIR) for one or more of the immunisations on the National Immunisation Schedule (NIS) due at six weeks of age.

It has been designed to support Primary Health Organisations (PHOs) with the reconciliation of funding to their practices for best practice pre-call, recall and completion of 6-week immunisation services for their enrolled populations during the period 1 April 2024 to 30 June 2025.

**Note:** There are known data issues relating to PMS integration with the AIR that are being worked through. This report provides information from the AIR, and PHOs will need to supplement with PMS data from their practices to accurately manage funding distribution to practices for 6-week immunisations given to their enrolled population. Updates will be made to this report to include additional components (see the data dictionary below) in future releases.

## When used

This report can be used by PHOs and Health New Zealand immunisation teams to track the uptake of 6-week immunisations.

It can be used by PHOs as the base-level information for 6-week immunisations delivered to their enrolled population (including immunisations delivered in settings outside general practice), however will require supplementary data from PHO general practices to ensure any data that is recorded in the PMS, but is not yet in AIR, can be reconciled and respective funding distributed at the end of each quarter.

**Note:** The contractual PHO quarterly reporting will enable PHOs to provide detail on the full distribution of funding to their general practices for 6-week immunisations.

Example report

### 6week Immunisation Events Given

Te Whatu Ora Health New Zealand | AOTEAROA IMMUNISATION REGISTER

District	PHO	Practice	NHI	Full Name	Date of Birth	Age Band	Gender	Prioritised Ethnicity	Ethnicity
Canterbury	Pegasus Health (Charitable) Limited	Medical Corner Doctors Limited	123456789	John Smith	1990-01-01	2+ Years	Female	Other	NZ Europ
Canterbury	Pegasus Health (Charitable) Limited	Rolliston Central Health Limited	987654321	Jane Doe	2000-05-15	2+ Years	Male	Other	NZ Europ
Canterbury	Pegasus Health (Charitable) Limited	Canterbury GP Limited	567890123	Michael Brown	1985-03-22	2+ Years	Female	Other	NZ Europ
Canterbury	Pegasus Health (Charitable) Limited	Canterbury GP Limited	234567890	Emily White	1995-07-10	2+ Years	Female	Other	NZ Europ
Canterbury	Pegasus Health (Charitable) Limited	Canterbury GP Limited	012345678	David Black	1978-11-05	2+ Years	Female	Other	NZ Europ
Canterbury	Pegasus Health (Charitable) Limited	Christchurch North Health Centre Limited	345678901	Sarah Green	1992-02-28	2+ Years	Male	Other	NZ Europ
Canterbury	Pegasus Health (Charitable) Limited	White Cross New Brighton Healthcare Limited	678901234	James Lee	2001-09-12	2+ Years	Female	Asian	Other Asi
Canterbury	Pegasus Health (Charitable) Limited	Medical Corner Doctors Limited	890123456	Olivia King	1998-04-03	1-2 Years	Female	Other	NZ Europ
Canterbury	Pegasus Health (Charitable) Limited	Medical Corner Doctors Limited	456789012	Benjamin Hill	2003-06-18	1-2 Years	Female	Other	NZ Europ
Bay of Plenty	Pegasus Health (Charitable) Limited	Hei Hei Health Limited	789012345	Ahina Te Aho	1993-08-25	1-2 Years	Male	Maori	Maori
Bay of Plenty	Pegasus Health (Charitable) Limited	Hei Hei Health Limited	123456789	Ngatahi Te Aho	1997-10-14	1-2 Years	Male	Maori	Maori
Canterbury	Pegasus Health (Charitable) Limited	Mairehau Medical Centre	567890123	Ngatahi Te Aho	1999-01-20	1-2 Years	Female	Pacific Peoples	NZ Europ
Canterbury	Pegasus Health (Charitable) Limited	Mairehau Medical Centre	234567890	Ngatahi Te Aho	2002-03-08	1-2 Years	Female	Pacific Peoples	NZ Europ
Canterbury	Pegasus Health (Charitable) Limited	Mairehau Medical Centre	901234567	Ngatahi Te Aho	2005-05-22	1-2 Years	Female	Pacific Peoples	NZ Europ
Canterbury	Pegasus Health (Charitable) Limited	Silverstream Healthcare Limited	345678901	Ngatahi Te Aho	1996-07-15	2+ Years	Male	Other	Other Eur
Canterbury	Pegasus Health (Charitable) Limited	Silverstream Healthcare Limited	678901234	Ngatahi Te Aho	1999-09-01	2+ Years	Male	Other	Other Eur
Canterbury	Pegasus Health (Charitable) Limited	Silverstream Healthcare Limited	012345678	Ngatahi Te Aho	2001-11-18	2+ Years	Male	Other	Other Eur
Canterbury	Pegasus Health (Charitable) Limited	Village Health Limited	456789012	Ngatahi Te Aho	1994-12-05	1-2 Years	Male	Pacific Peoples	Samoan
Canterbury	Pegasus Health (Charitable) Limited	White Cross New Brighton Healthcare Limited	789012345	Ngatahi Te Aho	2000-02-12	1-2 Years	Female	Other	NZ Europ
Canterbury	Pegasus Health (Charitable) Limited	White Cross New Brighton Healthcare Limited	123456789	Ngatahi Te Aho	2003-04-28	1-2 Years	Female	Other	NZ Europ

Stuart.Turner@health.govt.nz    28/05/2024 00:00    2368    # Records

aset    Summary

Example summary

### 6-week Immunisation Events Summary

Last data refresh 17/06/2024 00:00    Version 2.1    Te Whatu Ora Health New Zealand | AOTEAROA IMMUNISATION REGISTER

District: All

PHO: Pegasus Health (Charitable) Limited

Practice: All

Facility Type: All

Provider Type: All

Facility: All

Indication: 6W

Vaccine Type & Code: All

Consumer Status: All

No. of Vaccinations: **34,118**

No. of Facilities: **1,060**

No. of Individuals: **11,761**

No. with Outreach: **569**

No. pre-enrolled: [Bar chart]

Region

Northern: 40% (13,705)

Te Manawa Taki: 20% (6,934)

Central: 17% (5,820)

Te Wai Pounamu: 22% (7,654)

blank: 0% (5)

Age at Vaccination

1M: 82% (28,000)

2M: 10% (3,312)

3M: [Bar]

4M: 1% (346)

12M/1Y: 1% (244)

5M: [Bar]

6M: [Bar]

Antigen Type

DTaP-IPV-HepB/Hib: 34% (11,589)

RV1: 27% (9,167)

PCV13: 7% (2,352)

PCV10: 0% (33)

HepB: 0% (4)

Hib: 0% (4)

DTaP-IPV: 0% (4)

Vaccine Events by Date

Date Administered: [Bar chart]

Date of Birth: [Bar chart]

Date Modified: [Bar chart]

Ethnicity

Other: 36% (12,191)

Maori: 28% (9,685)

Asian: 23% (7,606)

Pacific Peoples: 11% (3,625)

Missing: 0% (11)

Immunisation event status/sub status

Declined by parent/g...: 2,194 (6.4%)

Vaccination given: 31,8... (93...)

Legend: Vaccination given, Declined by parent/..., Permanent contrain..., Declined by individual, Alternative vaccinati..., (Blank)

Facility

(Blank): 2% (760)

Papakura Obstetric Hosp...: 1% (195)

AIR Unknown NZ Clinic: 1% (192)

Ropata Health: 1% (192)

Halswellhealth - Ensign St: 1% (181)

Counties Manukau DHB...: 1% (181)

The Hastings Health Cen...: 1% (181)

Info    Dataset    **Summary**

## Known data issues

- Some PCV13 vaccinations are being incorrectly recorded as PCV10 by some general practices using MedTech as their Practice Management System (PMS). These practices should record PCV10 as alternative given and then PCV13 as given. However, if this process is followed there will be two PCV immunisation events shown in this report and only one should be included for the reconciliation of funding.
- Vaccinations delivered by general practice for unenrolled or previously enrolled consumers are not included.
- Immunisation events with an indication of 6W are included. This means that any events recorded with any other indications will not be shown.
- Delays and errors in the recording and sending of immunisation events to the AIR will impact the records shown on this report.
- A small number of facility names are currently not shown on the report. These facilities are stored in the AIR, and we are working on surfacing the names.

## Report components

### Data dictionary for dataset (column header definitions)

Attribute (column header)	Description	Example	Datatype
District	Health New Zealand boundaries replacing the 20 District Health Boards from 2022.	Lakes	TEXT
PHO	Primary Health Organisation where the consumer is enrolled.	Rotorua Area Primary Health Services Limited	TEXT
Practice	Name of the general practice where the consumer is enrolled sourced from the National Enrolment Service (NES).	The Auckland City Doctors	TEXT
NHI	The National Health Index number of the consumer who received the vaccine.	ZZZ1234	TEXT
Full Name	Full name of consumer.	Person A	TEXT
Date of Birth	Date of birth of the consumer.	27/03/2001	DATE
Age band	The report uses the following age bands: <ul style="list-style-type: none"> <li>• 0-6wks</li> <li>• 7-12wks (3 mths)</li> <li>• 3mths-5mths</li> <li>• 6mths-12mths</li> <li>• 1-2yrs</li> <li>• +2yr</li> </ul>	0-6wks	TEXT
Gender	Gender type description: Female, Male, Gender diverse, Unknown.	Female	TEXT

6w Immunisation events given report

Attribute (column header)	Description	Example	Datatype
Ethnicity MPAO	Prioritised Level 1 ethnicity is allocated to a single ethnic group in an order of priority, even if they identified with more than one ethnicity. The priority Level 1 groups are Māori, Pacific peoples, Asian and other. Level 2 defines more detail.	Other	TEXT
Ethnicity Level 2	Prioritised Level 2 ethnicity is allocated to a single ethnic group in an order of priority, even if they identified with more than one ethnicity. Level 2 defines in more detail than Level 1 groups of Māori, Pacific peoples, Asian and other.	NZ European/Pakeha	TEXT
Ethnicity Other	This will display data for people who have more than one ethnicity recorded in the NHI. This isn't their prioritised ethnicity. <b>Example:</b> If their ethnicity is Māori/Pacific. Māori will be displayed in Ethnicity MPAO and their other ethnicity will be displayed in this column.	Pacific	TEXT
Consumer Substatus	Sub-status of consumer: <ul style="list-style-type: none"> <li>• Blank (when consumer is active with no sub-status)</li> <li>• Under review</li> <li>• With outreach</li> <li>• Unable to contact</li> </ul>	Under review	TEXT
Event status	There are two event statuses: <ul style="list-style-type: none"> <li>• Completed</li> <li>• Not done</li> </ul>	Completed	TEXT
Status reason	There are multiple status reasons. Refer to the <a href="#">table</a> at the end of this document.	Vaccination given	TEXT
Vaccine Type and Code	Name of the vaccine administered and vaccine code.	RV1 - 119	TEXT
Dose	The number of the dose within dosing sequence	2	NUMBER
Indication	This report is limited to events with the indication of 6W.	6W	TEXT
Facility	Health provider facility name of the facility that administered the vaccination.	Brooklyn Medical Centre	TEXT
Provider type	Hauora Māori partners and Pacific providers Māori partners and Pacific providers include identified providers who are specifically included in this report.	Pacific	TEXT

Attribute (column header)	Description	Example	Datatype
Date Modified	Date and time of insert into the AIR datastore (ImmSOT). Modified by system on insert/update.	20/02/2023 1:11:09 p.m.	DATETIME
Deprivation	Deprivation measures the level of deprivation for people in each small area. It is based on nine Census variables. NZDep is displayed as deciles.	5	NUMBER
SA2 Code	Statistical Area Code (SA2s) based on a consumer's current residence.	542550	TEXT
SA2 Name	Statistical Area Name (SA2s) based on a consumer's current residence.	Matahina - Minginui	TEXT
GGH Rural Category	The Geographical Classification of Health (GCH) used to indicate the rurality of the enrolled practice.	R3	TEXT
Nominated GP	The name of the GP where the consumer is enrolled or pre-enrolled. <b>Note:</b> Column and data will be available in a later release.	Ropata Health	TEXT
Age at vaccination	The age of the consumer on the date a vaccination outcome was recorded.	1M	TEXT
Enrolled with provider	Indicates if a consumer is enrolled (or not) with a practice. Y indicates pre-enrolled or enrolled and N indicates nominated or not enrolled.	Y	TEXT

### Data dictionary for summary (sub-section definitions)

The Summary tab provides a dashboard containing visual representations of the dataset. If a consumer has two vaccinations in the time range selected, the number of vaccinations will count as two and the number of individuals will count as one.

Field	Data definition
No. of vaccinations	Number of 6W vaccinations with a recorded outcome
No. of facilities	Number of facilities where a 6W vaccination outcome is recorded
No. of individuals	Number of consumers with one or more outcomes recorded for a 6W vaccination
No. with outreach	Number of consumers who have been referred to Outreach Services
No. pre-enrolled	Data will be available in a later release.
Region	The number and percent of outcomes recorded for 6W vaccinations by region
Vaccine events by date administered	Number of 6W vaccinations by date administered

Field	Data definition
Vaccine events by date of birth	Number of 6W vaccinations by the consumer's date of birth
Vaccine events by date modified	Number of 6W vaccinations by the date they were modified
Age at vaccination	The number and percent of consumers by the age of the consumer on the date a 6W vaccination outcome was recorded.
Antigen type	The number and percent of 6W vaccinations by antigen type
Ethnicity	The number and percent of 6W vaccinations by ethnicity
Immunisation event status/ sub status	The number and percent of 6W vaccinations by event status and sub status
Facility	The number and percent of 6W vaccinations by facility
Facility Type	The number and percent of 6W vaccinations by facility type

### Main filters panel (dataset and summary)

- District
- PHO
- Practice
- Facility type
- Provider type
- Facility
- Indication
- Vaccine type & code
- Consumer status

### More filters panel (dataset and summary)

- Consumer sub-status
- Event status
- Status reason
- Date administered
- DOB
- Date modified
- NHI number
- 1/4

### Sorting

The dataset can be sorted by any one column. Export the report to Excel to sort by multiple columns.

## Viewing more data

To view more details on the graphs, hover arrow in the top-right corner of the dashboard to display icons and click the **Enlarge** icon.



## About this data

### Sources

- Individuals are sourced from National Enrolment Service (NES) and National Health Index (NHI) registers. The National Enrolment Service provides national enrolment (used by all general practices) and identity data.
- Immunisation data is sourced from the Aotearoa Immunisation Register (AIR), which includes migrated data from the COVID-19 Immunisation Register (CIR) and the National Immunisation Register (NIR).

### Filters applied to data

- Only vaccinations recorded with an indication of '6W' for any of the following vaccine names and codes are included: DTaP-IPV-HepB/Hib - 210307, DTaP-IPV – 99001, HepB – 08, Hib – 48, PCV10 – 260209, PCV13 – 133 and RV1 – 119.
- The date administered is filtered from 1 April 2024.
- For PHOs, data is limited to your currently enrolled and pre-enrolled population.
- The underlying data excludes vaccinations with the status of given overseas.
- The underlying data excludes deceased individuals.

### Disclaimers

1. NIR and CIR data migrated during cutover (2 December 2023) may highlight a small number of historical data quality issues.
2. AIR data is refreshed overnight and available at the beginning of each day.

## Event status and event status reasons

Event status	Event status reasons
Completed	<ul style="list-style-type: none"><li>• Vaccination given</li><li>• Overseas vaccination (not included)</li><li>• Alternative vaccination</li><li>• Historic vaccination</li></ul>
Not done	<ul style="list-style-type: none"><li>• Declined by parent/guardian</li><li>• Declined by individual</li><li>• Immune</li><li>• Permanent contraindication</li></ul>