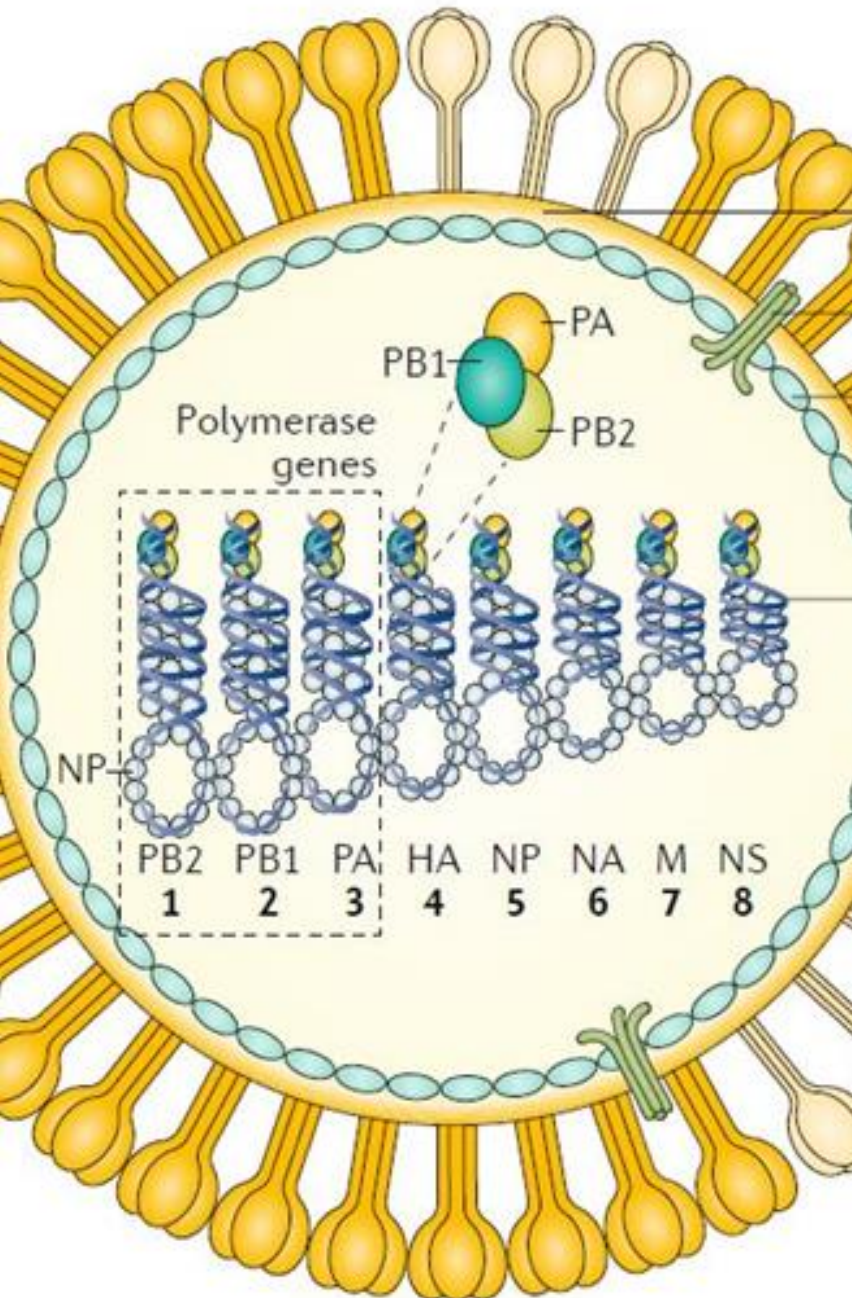


# Influenza Vaccination 2024

Keep calm and vaccinate

**Rebecca Johnson**  
Immunisation Clinical Nurse Consultant

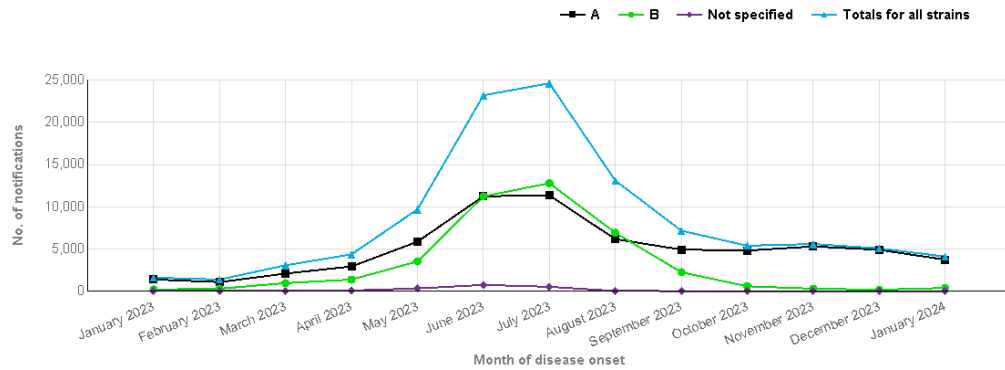
03 April 2024



# Influenza activity returned in 2022 and continued in 2023



Influenza (A, B, Not specified) notifications in NSW residents, by month of disease onset. January 2023 to January 2024.



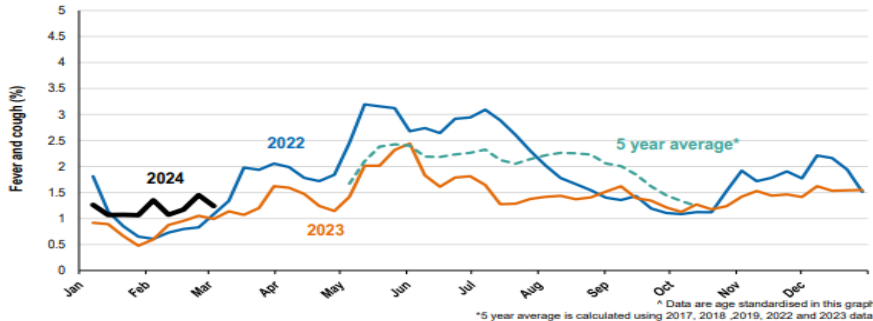
Source: NSW Health Notifiable Conditions Information Management System (NCIMS), Communicable Diseases Branch and Centre for Epidemiology and Evidence, NSW Health

**Both 2022 and 2023 seasons were atypically early compared to pre-COVID**

**It is unknown what pattern the 2024 flu season will follow**

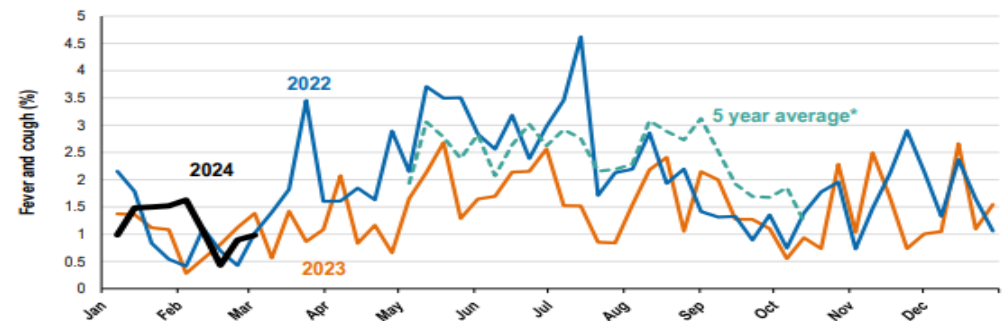
**Optimal time for vaccination remains Mid-April**

**Figure 1- Respiratory illness activity\***  
\*Respiratory illness activity is defined as fever & cough for this report  
**1.2% this week and 1.5% last week**



\*Data are age standardised in this graph  
\*5 year average is calculated using 2017, 2018, 2019, 2022 and 2023 data

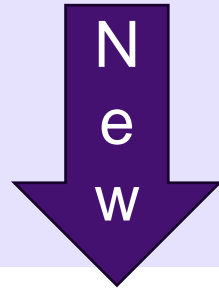
**Figure 2- Respiratory illness activity among Aboriginal and Torres Strait Islander participants**  
**1% this week and 0.9% last week**



\*Average Number of Aboriginal and Torres Strait Islander Participants=572  
\*5 year average is calculated using 2017, 2018, 2019, 2022 and 2023 data

# 2024 Influenza Vaccine Composition

Nil Preference between Egg-based and Cell-based vaccines



Egg-based influenza vaccines	Cell-based influenza vaccines
A/Victoria/4897/2022 (H1N1)pdm09-like virus	A/Wisconsin/67/2022 (H1N1)pdm09-like virus
A/Thailand/8/2022 (H3N2)-like virus	A/Massachusetts/18/2022 (H3N2)-like virus
B/Austria/1359417/2021 (B/Victoria lineage)-like virus	B/Austria/1359417/2021 (B/Victoria lineage)-like virus
B/Phuket/3073/2013 (B/Yamagata lineage)-like virus	B/Phuket/3073/2013 (B/Yamagata lineage)-like virus



- WHO and AIVC recommend the B Yamagata is no longer needed as this strain has not been seen in several years. ATAGI supports the use of these vaccines in 2024.
- Egg-based and cell-based strains will sometimes differ if one virus cannot be used for both production systems. Similar viruses are used

# 2024 Influenza Vaccine Presentation

<b>2024 INFLUENZA VACCINE</b> <b>6 months</b> <b>– less than 5 years</b> <i>Vaxigrip Tetra and Fluarix Tetra</i>	<b>2024 INFLUENZA VACCINE</b> <b>5 years</b> <b>– 64 years at risk</b> <i>Vaxigrip Tetra, Fluarix Tetra and Flucelvac Quad</i>
<b>Privately Funded Influenza Vaccines</b>	<b>2024 INFLUENZA VACCINE</b> <b>65 years and over</b> <i>Fluad Quad</i>

- Check correct brand for age
- Children receive a full dose
- 6 months – 9 years give 2 doses 1 month apart in the first year
- NIP flu vaccines latex free
- Egg allergic individuals may be safely vaccinated with any Influenza vaccine (including cell-based or egg-based)

<b>6 MONTHS TO LESS THAN 5 YEARS</b>	 <p><b>Vaxigrip Tetra® and Fluarix® Tetra</b></p> <p>Registered for use in people aged 6 months and over:</p> <ul style="list-style-type: none"><li>• All children 6 months to less than 5 years</li><li>• Give two doses one month apart for children aged 6 months to less than 5 years if first year of receiving flu vaccine</li><li>• Fluarix Tetra is available in 10 and single packs. Vaxigrip Tetra is only available in 10-dose packs.</li><li>• <b>Children should receive a full dose (i.e. not a half dose)</b></li><li>• <b>Do NOT contain latex</b></li></ul> <p>Ten pack dimensions: 17.8 cm (L) x 10.4 cm (W) x 4.2 cm (H) Single pack dimensions: 13.3 cm (L) x 4.3 cm (W) x 2.4 cm (H)</p>
<b>5 YEARS TO 64 YEARS</b>	 <p><b>Vaxigrip Tetra®, Fluarix® Tetra and Flucelvac® Quad (new to the NIP in 2024)</b></p> <ul style="list-style-type: none"><li>• People 5 years and over with medical risk factors predisposing to severe influenza</li><li>• All Aboriginal persons 5 years to 64 years of age</li><li>• Pregnant women</li><li>• Give two doses one month apart for children aged 5 years to less than 9 years if first year of receiving flu vaccine</li><li>• Fluarix Tetra is available in 10 and single packs. Vaxigrip Tetra and Flucelvac® Quad are only available in a 10 pack.</li><li>• <b>Children should receive a full dose (i.e. not a half dose)</b></li><li>• <b>Do NOT contain latex</b></li></ul> <p>Ten pack dimensions: 17.8 cm (L) x 10.4 cm (W) x 4.2 cm (H) Single pack dimensions: 13.3 cm (L) x 4.3 cm (W) x 2.4 cm (H)</p>
<b>65 YEARS AND OVER</b>	 <p><b>Fluad® Quad</b></p> <ul style="list-style-type: none"><li>• Adjuvanted quadrivalent vaccine</li><li>• All persons aged 65 years and over</li><li>• Milky-white suspension</li><li>• Available in 10 packs</li><li>• <b>Does NOT contain latex</b></li><li>• <b>Do not use in pregnant women or children</b></li></ul> <p>Ten pack dimensions: 15.5 cm (L) x 13 cm (W) x 2.5 cm (H)</p>



# Eligibility for NIP Funded Influenza Vaccination

Category	Example medical conditions	NIP funded
<b>Cardiac disease</b>	Congenital heart disease, congestive heart failure, coronary artery disease	Yes
<b>Chronic respiratory condition</b>	Suppurative lung disease, bronchiectasis, cystic fibrosis, chronic obstructive pulmonary disease, chronic emphysema, severe asthma (requiring frequent medical consultations or the use of multiple medicines)	Yes
<b>Immunocompromising condition</b>	HIV infection, malignancy, immunocompromise due to disease or treatment, asplenia or splenic dysfunction, solid organ transplant, haematopoietic stem cell transplant, CAR-T cell therapy	Yes
<b>Haematological disorder</b>	Haemoglobinopathies	Yes
<b>Chronic metabolic disorder</b>	Type 1 or 2 diabetes, amino acid disorders, carbohydrate disorders, cholesterol biosynthesis disorders, fatty acid oxidation defects, lactic acidosis, mitochondrial disorders, organic acid disorders, urea cycle disorders, vitamin/cofactor disorders, porphyria	Yes
<b>Chronic kidney disease</b>	Chronic kidney disease stage 4 or 5	Yes
<b>Chronic neurological condition</b>	Hereditary and degenerative central nervous system diseases, seizure disorders, spinal cord injuries, neuromuscular disorders, conditions that increase respiratory infection risk	Yes
<b>Long-term aspirin therapy in children aged 5 to 10 years</b>	These children are at increased risk of Reye's syndrome following influenza infection	Yes
<b>Chronic liver disease</b>	Cirrhosis, autoimmune hepatitis, non-alcoholic fatty liver disease, alcoholic liver disease	No
<b>Obesity</b>	Body mass index $\geq 30$ kg/m <sup>2</sup>	No
<b>Chromosomal abnormality</b>	Trisomy 21	No
<b>Harmful use of alcohol</b>	Any harmful use of alcohol	No

- all children aged 6 months to <5 years
- all adults aged  $\geq 65$  years
- all Aboriginal and Torres Strait Islander people
- all pregnant women
- people who have certain medical conditions

# Vaccine Delivery and Resources

- Discard 2023 stock
- Confirm your Pre-allocation
- It takes 4 weeks to get all pre-allocated NSW Flu vaccines delivered
- No longer need to confirm delivery
- Order enough for max 4 weeks
- Access resources

<https://www.health.nsw.gov.au/immunisation/Pages/flu.aspx>

[flu-provider-toolkit.pdf \(nsw.gov.au\)](#)

[Influenza \(nsw.gov.au\)](#)



## 2024 seasonal influenza vaccination information for immunisation providers

The best way to protect your patients from the risk of serious influenza is to offer annual influenza vaccination. This page contains information about the 2024 influenza vaccination program.

### On this page

- Updated ATAGI advice on administering seasonal influenza vaccines in 2024
- Eligibility for free influenza vaccine
- Vaccine strains
- Influenza vaccines
- Reporting influenza vaccinations to the Australian Immunisation Register
- Influenza vaccine supply
- Ordering influenza vaccines
- Influenza vaccine safety
- Gettting prepared - 2024 influenza vaccination program resources
- Other resources

