



# The Immunisation Clinical Toolkit

This Toolkit provides key clinical information required pre- and post-vaccination. It is designed to help frontline clinical staff provide 'on the day' efficient and safe immunisation. In this edition we are including information on MMR and influenza.

Please provide feedback on this toolkit [here](https://tinyurl.com/pznjd9dw) (tinyurl.com/pznjd9dw).

## Important reminders

- **Error prevention, key learning from recent errors:** Only dilute a vaccine that you have taken the top off. We recommend you draw up all doses immediately, to allow you to double check correct dilution has taken place. This is important even if you will not be using all the doses. **Reminder; always check expiry dates from the box.** Helpful tips: mark expiry date on side of box so always visible, set reminder in diary to remove stock from fridge. Ensure you are following all guidance on reducing the risk of errors (page 8).
- Remember to always check vaccine and diluent expiry dates. Warning: you may have expired stock, please check and remove.
- Note differences in cold chain management for non-COVID-19 vaccines. Follow National cold chain standards see page 9.
- Always provide sufficient pre- and post-vaccination advice in line with guidance (pages 5-6).

## Recent changes & new information

- Influenza vaccine programme has been expanded to include people 55 to 64 years of age (inclusive) who are Māori or any Pacific ethnicity, and children aged 3-12 years. See [Influenza.org.nz](https://influenza.org.nz).
- Visit [influenza.org.nz](https://influenza.org.nz) to access the *Everything you need to know about FLU 2022* flu kit booklet.
- A Comirnaty 3rd primary dose is now available for individuals aged 5 years and over who had severe immunosuppression in proximity to their 1st or 2nd COVID-19 dose in the primary schedule. Information on criteria and spacing can be found [here](https://tinyurl.com/3y276xb3) (tinyurl.com/3y276xb3).
- Current consent form for 3rd primary dose for ages 5-11, is [here](https://covid.immune.org.nz) (covid.immune.org.nz). Consent and prescribing requirements see table on page 5.
- Comirnaty first booster doses are now approved for 16-17 year olds, to be given from six months after primary course. For those aged 12-15, new guidance is available to support prescribers, see page 3.

- COVID-19 2nd booster doses are now available for those who meet the eligibility requirements. Priority groups include those aged 65 years and over, Māori and Pacific peoples aged 50 years and over, residents of aged care and disability care facilities, severely immunocompromised people who received a 3-dose primary course and a 4th dose as a 1st booster. See [here](https://tinyurl.com/4kujcxu4) for details (tinyurl.com/4kujcxu4).
- Comirnaty 12+ has had its expiry extended at freezer level to 12 months and Nuvaxovid shelf life has been extended to 9 months- always check box for expiry.
- New COVID-19 consent form.
- Updated COVID-19 vaccine comparison chart can be found [here](https://tinyurl.com/22ytfs66) (tinyurl.com/22ytfs66).
- For clarification on vaccine spacing post COVID-19 disease see page 4.
- [COVID-19, Influenza and MMR vaccine preparation comparison table](https://tinyurl.com/22ytfs66) (tinyurl.com/22ytfs66).
- New [MMR consent form](https://tinyurl.com/396a2wvv) (tinyurl.com/396a2wvv).
- Update to current 0800IMMUNE FAQs (page 9).
- Version 17b of the Immunisation Handbook 2020 (tinyurl.com/ycx53azw) was released on 19 May 2022. The COVID-19 chapter has been updated.
- Bridging Vaccinator Foundation Course now available for those wanting to extend scope to immunise across the lifespan (infants to adults).
- Provisional Vaccinator Update Course now available.

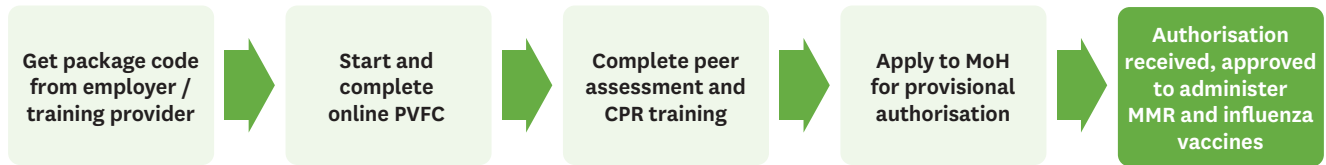
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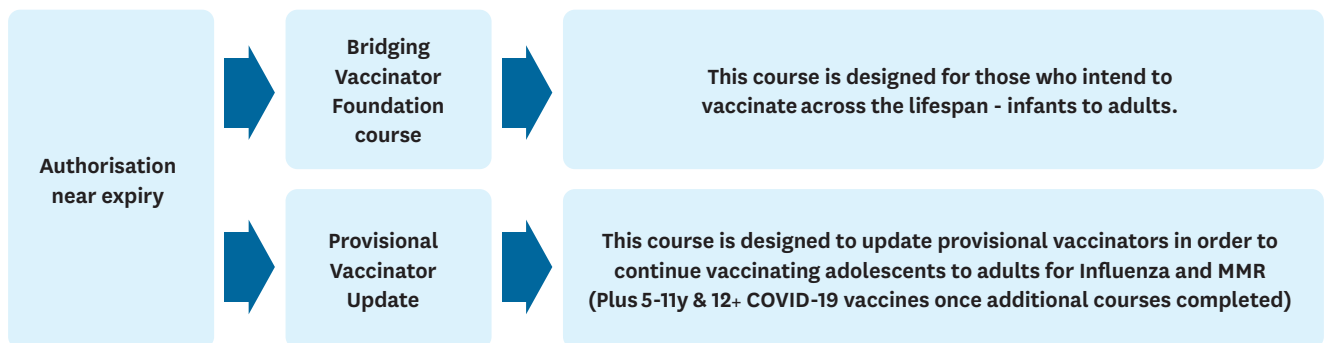
# SECTION 1 | RESOURCES AND DEVELOPMENT OPPORTUNITIES (1)

## Provisional vaccinator pathway

### TO GAIN INITIAL PROVISIONAL CERTIFICATION



### TO GAIN NEW CERTIFICATION IF AUTHORISATION NEAR EXPIRY



## Courses

Courses are accessed [here](https://tinyurl.com/4zbybbf7) (tinyurl.com/4zbybbf7) including:

- Bridging Vaccinator Foundation course
- Provisional Vaccinator Update
- Covid-19 Authorised Vaccinator (Comirnaty) course
- Provisional Vaccinator Foundation course
- Influenza Vaccine Training for Vaccinating Health Workers due out soon
- Course for Supervisors of Vaccinating Health Workers
- Pharmacy Technician Covid-19 Vaccine Storage and Preparation course
- COVID-19 Immunisation Register (CIR) Administrator course
- COVID-19 Immunisation Support Worker course

## Other courses on offer

- Vaccinator Foundation course
- Vaccinator Foundation course – Flexible Learning
- Separate online vaccinator updates for specific groups and specialties (eg, pharmacist, midwives, BCG)

- Midwife Immunisation course
- HPV Vaccination
- Storage and Handling of Vaccines
- Tuberculosis, Skin Testing and Bcg Vaccination
- Introduction to Immunisation

## Webinars

Webinars are accessed [here](https://tinyurl.com/2p8dxs6p) (tinyurl.com/2p8dxs6p) including most recently:

- Workforce update
- Ask the experts Q&A vol 2
- Tips & Tricks for vaccinating children

## Resuscitation certification

Maintaining appropriate resuscitation qualification every two years is a legal requirement for all vaccinators. During these challenging times, recently expired certificates have been accepted for authorisation purposes, on the understanding that when possible staff will complete the training. Please remember that it is your professional responsibility to ensure that you book onto the next available course.

## SECTION 1 | RESOURCES AND DEVELOPMENT OPPORTUNITIES (2)

### New and updated resources:

- [Vaccine preparation Videos \(tinyurl.com/2p9mwhza\)](https://tinyurl.com/2p9mwhza)
- [Boosters for adolescents fact sheet \(tinyurl.com/2p8j4k6k\)](https://tinyurl.com/2p8j4k6k)
- [Adult and Paediatric pre-vaccination screening and guidance V15 \(tinyurl.com/2p8j4k6k\)](https://tinyurl.com/2p8j4k6k)
- [Booster and third doses lit review \(tinyurl.com/2p8j4k6k\)](https://tinyurl.com/2p8j4k6k)
- [COVID 19 vaccination, pregnancy and breastfeeding fact sheet \(tinyurl.com/2p8j4k6k\)](https://tinyurl.com/2p8j4k6k)
- [COVID-19 and COVID-19 vaccination in pregnancy \(for health professionals\) \(tinyurl.com/2p8j4k6k\)](https://tinyurl.com/2p8j4k6k)
- [Vaccine comparison chart \(tinyurl.com/2p8j4k6k\)](https://tinyurl.com/2p8j4k6k)
- [Comirnaty and MMR vaccine comparison chart \(tinyurl.com/2p8j4k6k\)](https://tinyurl.com/2p8j4k6k)
- [Summary of differences between 10mcg and 30mcg Comirnaty chart \(tinyurl.com/2p8j4k6k\)](https://tinyurl.com/2p8j4k6k)
- [COVID-19 vaccination consent form \(tinyurl.com/2p8j4k6k\)](https://tinyurl.com/2p8j4k6k)
- [New MMR consent form \(tinyurl.com/396a2wvvv\)](https://tinyurl.com/396a2wvvv)

## SECTION 2 | COMPARING VACCINES

**Vaccine preparation comparison** See [covid.immune.org.nz](https://covid.immune.org.nz) for most up to date chart.

VERSION 1	COVID-19	Influenza	Measles, Mumps & Rubella (MMR)
<b>Funded brand name</b>	Comirnaty	Afluria Quad Junior/ Afluria Quad	Priorix
<b>Vaccine type</b>	mRNA	Inactivated	Live
<b>Preparation</b>	Requires dilution	Ready to use	Requires reconstitution (diluent & powder)
<b>Alcohol swabbing bung</b>	Yes	N/A	No, unless contaminated
<b>Diluent supplied</b>	No	N/A	Yes
<b>Mixing</b>	Invert vial 10x before and after dilution	Shake prior to administering	Gently swirl after diluent added
<b>Syringe supplied</b>	No	Pre-filled syringe	Yes - pre-filled with diluent only
<b>Vial</b>	Multidose vial - concentrated vaccine liquid	N/A	Single dose - vaccine powder
<b>Air bubbles</b>	Avoid, ensuring accuracy of dose	Keep bubble- dose pre-measured	Expel excess air prior to attaching new needle
<b>Needle</b>	Same low dead space (LDS) needle used for drawing up and administering	Pre-attached to syringe	Needle discarded after drawing up reconstituted vaccine, new needle for administering
<b>Labelling</b>	Fill in the label (supplied with vaccine) and attach to needle guard	Pre-labelled (Peel-off)	Pre-labelled syringe and vial, ensure vial is kept with syringe (Peel-off)
<b>Time out of cold chain (at room temperature)</b>	6hrs at +2 to +30°C	Use immediately	Use immediately
<b>Document</b>	CIR	CIR	NIR

## SECTION 3 | UPDATES AND CLARIFICATION OF VACCINE SCHEDULES (1)

### Third primary dose for severely immunocompromised

A third vaccine dose is now available for individuals aged 5 years and over who had severe immunosuppression in proximity to their first or second COVID-19 doses in the primary schedule. Information on criteria and spacing can be found [here](https://tinyurl.com/y9dpmzn2) (tinyurl.com/y9dpmzn2).

### Influenza Vaccines

**Reminder:** Children aged 6 months to under 9 years who are receiving the influenza vaccine for the first time should receive two doses four weeks apart. Children who have received a previous influenza vaccination need only a single dose.

### First booster doses

#### Comirnaty 30mcg

- Those aged **18 years and over**, approved from minimum 3 months after primary course.
- Those aged **16 & 17 years**, approved from minimum 6 months after primary course.
- Those aged **12-15 years**, not currently part of the programme but new guidance is now available to support prescribers.

#### Nuvaxovid (18 years and over)

First booster 6 months after primary course.

#### Vaxzevria (18 years and over)

First booster 3 months after primary course (off label - prescription and consent form required).

### Second boosters for 'at risk' groups

Groups at greater risk of poor health outcomes may be given a second booster.

A second booster is recommended, due to waning protection, for those at increased risk of severe illness from COVID-19 – a minimum of 6 months after a first booster. For those who are not considered at risk of severe illness from COVID-19, a two-dose primary course and a first booster dose provides very good protection against severe illness from COVID-19 at this time.

#### Eligible population

The following people are recommended to receive a second booster as a priority:

- people aged 65 years and over
- Māori and Pacific peoples aged 50 years and over
- residents of aged care and disability care facilities
- severely immunocompromised people who received a three-dose primary course and a fourth dose as a first booster (noting this would be a fifth dose for these people)
- people aged 16 years and over who have a medical condition that increases the risk of severe breakthrough COVID-19 illness and
- people aged 16 years and over who live with disability with significant or complex health needs or multiple comorbidities.

In addition, a second booster is available for:

- all people aged 50 years and over
- health, aged care and disability workers aged 30 years and over.

#### Second booster doses in pregnancy

Pregnant women are at higher risk of complications from COVID-19 disease compared to those who are not pregnant.

Comirnaty 30mcg is recommended at all stages of pregnancy. First booster doses can be given from 3 months after completion of the primary course. Second booster doses are not recommended for healthy pregnant women as they are well protected with their primary course and first booster. If pregnant AND have eligible co-morbid conditions, and are therefore at higher risk of severe disease from COVID-19, they can receive a second booster 6 months after the first booster.

#### Timing of a second booster

A second booster dose may be given at least 6 months after the first booster dose. This is the minimum length of time to have between boosters. Incomplete courses need to be finished before giving the second booster. Those people who have not completed their primary course, or first booster, should do so before getting their second booster. For example, an immunocompromised person who has not had their third dose, may be given that, then their first booster, and finally the second booster at the normal intervals for these doses.

#### Preferred vaccine

The preferred vaccine for a second booster dose is Comirnaty 30mcg (from aged 16 years) however if clinically indicated from the age of 18 years Nuvaxovid or Vaxzevria can be used (these currently require prescription and consent form when used as a second booster). More information about boosters [here](https://tinyurl.com/39vy43s2) (tinyurl.com/39vy43s2). More information about high risk groups [here](https://tinyurl.com/42pf5u66) (tinyurl.com/42pf5u66).

### Vaccine spacing post COVID-19 disease

Although COVID-19 vaccines can be given any time following infection, an interval of 3 months after infection is recommended. This allows for the development of a better immunological response, particularly for 5-17 year olds. Clinical discretion can be applied for those with a higher risk of severe disease from COVID-19 re-infection. This recommendation applies to any dose of the primary course or a booster, for any COVID-19 vaccine currently offered in New Zealand. For more information, see [Getting a COVID-19 vaccine if you've had COVID-19](https://tinyurl.com/3fmjpew2) (tinyurl.com/3fmjpew2) and 5.5.8 of [Immunisation Handbook](https://tinyurl.com/3z5hh72v) (tinyurl.com/3z5hh72v).

### Non-COVID-19 vaccines after COVID-19 disease

All scheduled vaccines can be given as soon as the person has recovered/no longer infectious. This includes Influenza and MMR vaccines.

## SECTION 3 | UPDATES AND CLARIFICATION OF VACCINE SCHEDULES (2)

### When is written consent or a prescription required?

Please also refer to Ministry of Health Operating Guidelines ([tinyurl.com/4b3krr3s](https://tinyurl.com/4b3krr3s)) and Booster Vaccination Policy Statement ([tinyurl.com/2p8528cs](https://tinyurl.com/2p8528cs)).

\*If used off label a prescription and consent form are required.

#### OFF label use:

- 3rd primary dose all COVID-19 vaccines
- Nuvaxovid as a first booster given before 6 months
- Mixed schedule primary course eg when Nuvaxovid or Vaxzevria are given as a primary dose 2 when dose 1 was a different vaccine.

- Comirnaty 30mcg second booster dose for those 16+ who do not meet the eligibility criteria
- Vaxzevria first and second boosters
- Nuvaxovid second booster

When consent form is used, ensure the full document has been completed. Preferably the top section of page 2 is completed by the prescriber. If this has been missed, full or provisionally authorised vaccinators and vaccinating pharmacists can complete this section if they feel comfortable. The person that signs this section must have competently explained the reasons for, risks and benefits of the vaccination.

**Contact IMAC for support if required.**

## SECTION 4 | PRE-VACCINATION (1)

### IMPORTANT REMINDER

In order to gain informed consent from a consumer, the vaccinator must ascertain that the person/caregiver has received adequate information about the vaccine, including the benefits, the common side effects and the rare but serious adverse events, including anaphylaxis and myocarditis for Comirnaty & Nuvaxovid vaccines, and Thrombosis with Thrombocytopenia Syndrome (TTS) for Vaxzevria. Offer them an opportunity for questions.

### Key pre-vaccination screening and guidance documents

- [Adult and Paediatric pre-vaccination screening and guidance V15](https://tinyurl.com/2p8j4k6k) ([tinyurl.com/2p8j4k6k](https://tinyurl.com/2p8j4k6k))
- [Vaxzevria Version 3](https://tinyurl.com/3a5tb9ps) ([tinyurl.com/3a5tb9ps](https://tinyurl.com/3a5tb9ps))
- [Nuvaxovid \(Novavax\) Version 3](https://tinyurl.com/23a2a4xf) ([tinyurl.com/23a2a4xf](https://tinyurl.com/23a2a4xf))

### Live vaccines- MMR:

Reminder when live vaccines may be contraindicated:

- Immunocompromised
- Blood products in the last 12 months
- Pregnancy
- History of previous anaphylaxis to the vaccine

Live vaccines are contraindicated for all individuals with T lymphocyte-mediated immunodeficiency, a combined

B- and T-lymphocyte deficiency or type 1 interferon receptor (IFNAR1) signaling pathway defects. Many of these individuals will be on immunoglobulin replacement therapy, which provides passive protection against most vaccine-preventable infections.

### Previous adverse events

If you have concerns as to whether someone is safe to receive their second vaccine, to discuss the AEFI, please contact IMAC (0800 466 863). For further information and guidance on managing and reporting AEFIs, see: [Clinical review of early onset AEFIs](https://tinyurl.com/bdrttj53) ([tinyurl.com/bdrttj53](https://tinyurl.com/bdrttj53)) and/or [Clinical review of late onset AEFIs](https://tinyurl.com/bdrttj53) ([tinyurl.com/bdrttj53](https://tinyurl.com/bdrttj53)).

### Immunisation conversations

- [IMAC Myocarditis information for health professionals](https://tinyurl.com/56rd5txe) ([tinyurl.com/56rd5txe](https://tinyurl.com/56rd5txe))
- [Ministry of Health Myocarditis consumer webpage](https://tinyurl.com/mrts2u6y) ([tinyurl.com/mrts2u6y](https://tinyurl.com/mrts2u6y))
- [Information for health professionals: IMAC fact sheet COVID-19 Vaccine Vaxzevria \(AstraZeneca\)](https://tinyurl.com/42p3p6a9) ([tinyurl.com/42p3p6a9](https://tinyurl.com/42p3p6a9)).
- [IMAC Pregnancy information for health professionals and consumers](https://tinyurl.com/ye29dbht) ([tinyurl.com/ye29dbht](https://tinyurl.com/ye29dbht))
- [Ministry of Health consumer webpage](https://tinyurl.com/2wau7dke) ([tinyurl.com/2wau7dke](https://tinyurl.com/2wau7dke)). This includes a video COVID-19 vaccine and pregnancy featuring Dr Nikki Turner.

## SECTION 4 | PRE VACCINATION (2)

### Other resources

- See page 11 for links to resources for Māori, Pacific peoples, and disabled people.
- Visit [influenza.org.nz](http://influenza.org.nz) to access the Everything you need to know about FLU 2022 flu kit booklet.

### MMR resources

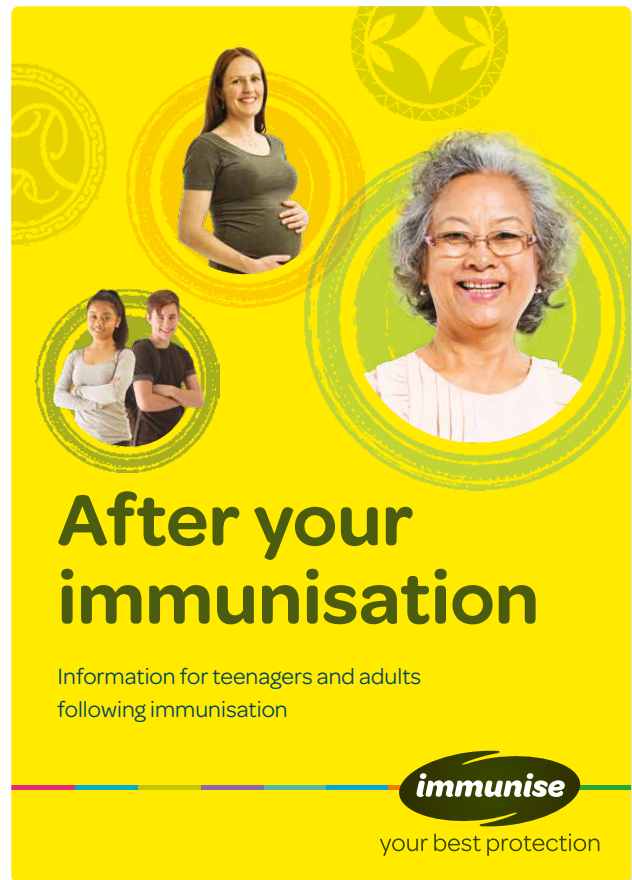
- [Screening form for live vaccines \(tinyurl.com/5fuwh7kb\)](http://tinyurl.com/5fuwh7kb)
- [Pre-vaccination screening tool \(tinyurl.com/5fuwh7kb\)](http://tinyurl.com/5fuwh7kb)
- [Comparison of possible disease complications and vaccine responses \(tinyurl.com/5fuwh7kb\)](http://tinyurl.com/5fuwh7kb)
- [MMR immunisation: Key messages \(tinyurl.com/5fuwh7kb\)](http://tinyurl.com/5fuwh7kb)
- [New MMR consent form \(tinyurl.com/396a2wvv\)](http://tinyurl.com/396a2wvv)

### Post COVID-19 vaccination advice

It is important that every consumer is given clear post vaccination advice verbally and in writing during consent process.

This advice is needed for each dose of vaccine, and for all ages and MUST include the following information:

- **Discussion of potential minor side effects as well as the rare but serious ones.** The advice should include expected side effects and how to manage them with the use of paracetamol or other analgesia for pain, or discomfort, and if unwell rest, drinking fluids and avoid vigorous activities, such as going to the gym.
- **Awareness that anaphylaxis, although very unlikely, could occur within a few hours of vaccination** and should they have any breathing difficulties, they should dial 111.
- **Cardiac problems are extremely rare but can be serious**, so ensure they understand the importance of seeking medical advice early for any out of character symptoms such as: chest pain, chest heaviness, discomfort or tightness, shortness breath or breathing difficulty, feeling lightheaded, faint or dizzy, heart palpitations, racing or fluttering heart, skipped beats. These symptoms should not be ignored. It is important that they seek advice from a doctor or Healthline. **For those who are insulin dependent diabetics, discuss the need to closely monitor blood sugars for next few days**, as high or low sugars can occasionally be a side effect of the vaccine.
- **For those who have had Vaxzevria**, the usual advice post COVID-19 vaccine applies, plus guidance on the need to seek immediate medical attention if they develop symptoms such as a severe or persistent



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[www.health.govt.nz/resource/after-your-immunisation](http://www.health.govt.nz/resource/after-your-immunisation)

headache, blurred vision, confusion, seizures, shortness of breath, chest pain, leg swelling, leg pain, persistent abdominal pain or unusual skin bruising and/or petechia a few days after vaccination.

- Supply information on how and when to make a second appointment. See [After your child's Pfizer vaccination \(tinyurl.com/2p8shjry\)](http://tinyurl.com/2p8shjry) and for 12+ years see [After your Pfizer vaccination \(tinyurl.com/st2x6a4f\)](http://tinyurl.com/st2x6a4f). For Vaxzevria guidance, see [Things you need to know about the Vaxzevria \(AstraZeneca\) vaccine \(tinyurl.com/27puvz3m\)](http://tinyurl.com/27puvz3m), near the bottom of the webpage.

### MMR post vaccine advice

Mild reactions that can happen (usually 1-2 days post vaccination) include: headache, fever, nausea, fainting or feeling faint.

Some people may get a rash and/or swollen glands approximately 5-12 days after their vaccination. These responses are usually mild, seek medical attention if concerned.

Pregnancy should be avoided for 1 month post vaccination.

## SECTION 5 | VACCINE PREPARATION

### Key vaccine preparation documents

- [Pfizer/BioNTech 12+ \(30mcg\) full guidance V2](https://tinyurl.com/2p8j4k6k) (tinyurl.com/2p8j4k6k)
- [Pfizer/BioNTech Paediatric \(10mcg\) full guidance](https://tinyurl.com/2p8j4k6k) (tinyurl.com/2p8j4k6k)
- [Vaxzevria \(AstraZeneca\): full guidance are here](https://tinyurl.com/2p8j4k6k) (tinyurl.com/2p8j4k6k)
- [Nuvaxovid full guidance & quick reference are here](https://tinyurl.com/2p8j4k6k) (tinyurl.com/2p8j4k6k)
- [Reconstitution of MMR video](https://tinyurl.com/3ksppez) (tinyurl.com/3ksppez)

Use the Orange standard needles for diluting the Pfizer/BioNTech vaccine, NOT the 21G larger needles, or you may end up with rubber debris in the vial and the vaccine being wasted.

## SECTION 6 | VACCINE ADMINISTRATION

**Reminder:** The 7 rights of COVID-19 vaccine administration below is a vital tool in avoiding many vaccine errors.

It is based on this article [The Immunization Action Coalition - Technically Speaking](https://tinyurl.com/5n8phm9) (tinyurl.com/5n8phm9).

For a printable business card/lanyard version click [here](https://tinyurl.com/2nwyw2r7) (tinyurl.com/2nwyw2r7).

**7 RIGHTS of COVID-19 vaccine administration**

- 1 **RIGHT Person**
- 2 **RIGHT Vaccine & diluent**
- 3 **RIGHT Time**
- 4 **RIGHT Dosage**
- 5 **RIGHT Route, needle length & technique**
- 6 **RIGHT Injection site**
- 7 **RIGHT Documentation**

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**ALWAYS CHECK:**

- Name and age on CIR
- Are they aged <12 or <18?
- Informed consent
- Check correct:
  - vaccine for age
  - time since last dose
  - volume in syringe
  - needle length
  - injection site
- Documentation completed & post-vaccination advice provided

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### Needle size and guide

- A 16mm needle should be sufficient to effect deep IM deposition in the deltoid in most children.
- If a longer needle is required, then the vaccine must be drawn up using the 25mm or the 38mm needle, so the needle hub contains vaccine. If needles are swapped after draw up, dose is lessened due to vaccine left in needle.
- **Note: Do not use paediatric LDS syringes with LDS needles. If you need 25mm needle use the non-LDS drawing up needle.**

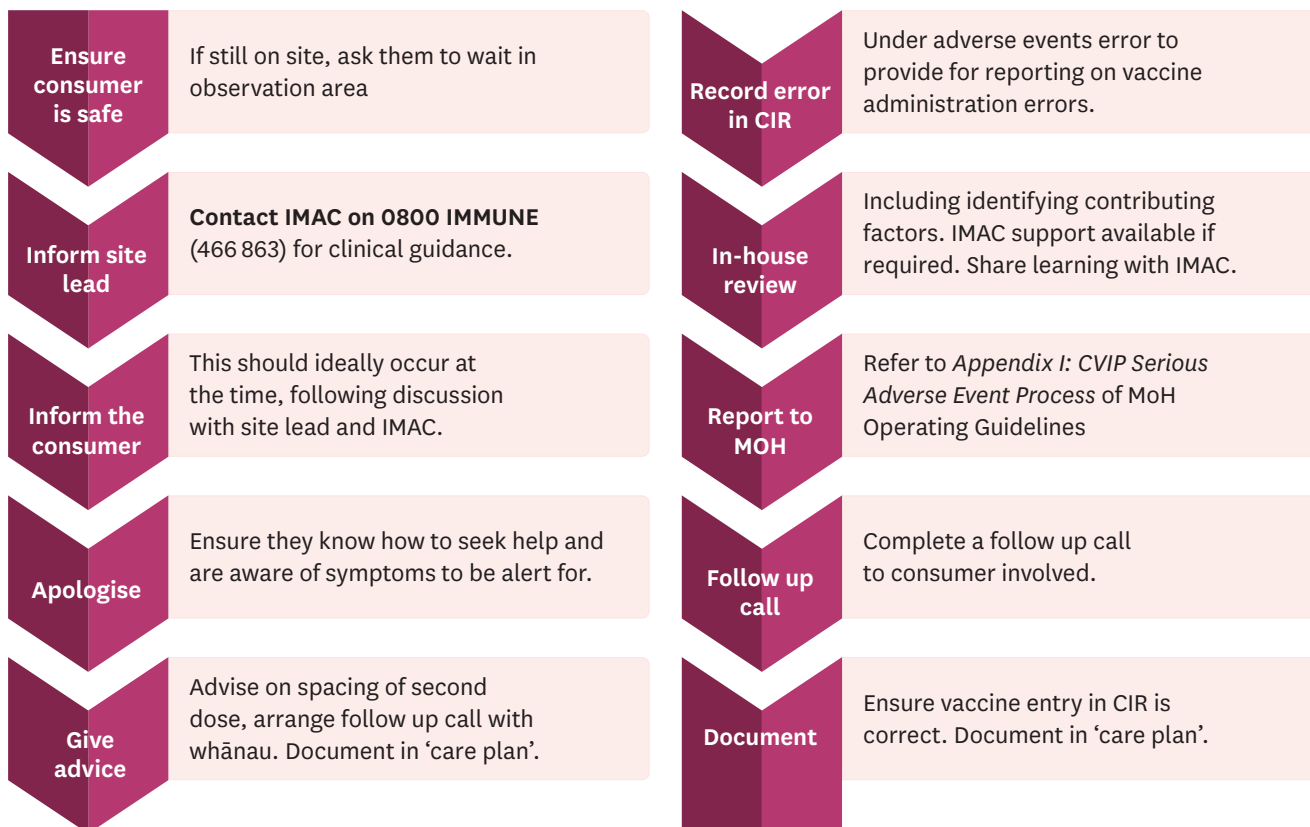
# SECTION 7 | ERROR PREVENTION AND INCIDENT MANAGEMENT

## General guidance vaccine preparation

- Prepare vaccines in a dedicated space. Either one space allocated to each vaccine, or if space is tight, prepare one vaccine, then clear area before preparing the next.
- Ensure vaccine preparation is not interrupted.
- Ensure staff are suitably trained and that there is a second checker.
- Take your time, have regular breaks.
- Ensure vaccines are kept in their boxes when in the fridge.
- Double check you have correct in date vaccine before starting vaccine preparation.
- Label every syringe with colour coded labels attached to needle guards.
- Keep syringes in different colour trays/containers.
- Maintain good vaccine preparation records.
- Only dilute a vial that you have personally just taken the top off.
- We recommend that you draw up all doses from a diluted vial immediately to allow you to double check correct dilution, even if this means some doses are wasted.
- Always check expiry dates from the box not the vial.
- Keep dilution records.
- Review systems to ensure practice meets clinical guidelines.
- Always ask a child's age.
- Where possible, one vaccinator gives only one type of vaccine.
- Check syringe volume, needle attachment and vaccine label before administering.
- Consumers could move from child to adult vaccination areas.

## CHECK, CHECK and CHECK AGAIN

### Incident management





## SECTION 8 | USEFUL INFORMATION/CONTACTS/Q&As (1)

### 0800 IMMUNE frequently asked questions

Question	Answer
What are the new hours for 0800IMMUNE?	<p><b>COVID-19 immunisation inquiries</b>                      Weekdays: 8.30am - 6pm                      Weekends: 8.45am - 3.30pm                      Public holidays: Critical support only 8.45am - 3.30pm</p> <p><b>Other immunisation inquiries</b>                      Weekdays: 9am - 4.30pm</p>
How long post COVID infection can someone be vaccinated?	At least 3 months after first positive test
Can we shorten the spacing of the Comirnaty 10mcg dose schedule from 8 weeks to 21 days?	The recommended spacing is 8 weeks for 2nd dose for 5-11 year olds of Comirnaty (10mcg) for an optimal immune response. This can be reduced to 21 days in situations where an earlier interval is important for quicker protection, eg, significant medical issues such as immunosuppression, or if delaying vaccine might cause access issues.
Should vaccine doses be adjusted based on consumer's size?	No, all vaccines doses are calculated based on age. Comirnaty 10mcg vaccine 5-11 year old criteria are by chronological age of the child's immune system not by the child's weight or size.
Can a flu vaccine be given straight after COVID disease?	Yes, so long as the patient is well in themselves and afebrile, the flu vaccine can be given. There is no stand down time between COVID-19 disease and the flu vaccine.
Can the flu vaccine be given with any other vaccines?	Yes. The only exception to this is Flud Quad with Nuvaxovid as both are adjuvanted vaccines and the recommendation is to wait a minimum of three days between vaccines.
When can a child receive their National Schedule vaccines post COVID disease?	There is no stand down time between National Schedule vaccines and COVID-19 disease. So long as the child is well and afebrile they can receive their National Schedule immunisations.

### Help with cold chain

What Do You Need?	Resource & Guidance
To report a cold chain breach	<ol style="list-style-type: none"> <li>1. Inform your local cold chain or clinical lead for immediate actions</li> <li>2. Complete the <a href="https://tinyurl.com/5fuwh7kb">COVID-19 Cold Chain Reporting Form</a> (<a href="https://tinyurl.com/5fuwh7kb">tinyurl.com/5fuwh7kb</a>) and send to your local COVID-19 RIA</li> </ol>
Transit cold chain breach	Quarantine the Credo-Cube in your vaccine fridge. Once quarantined contact: <a href="mailto:covid-19.logistics@health.govt.nz">covid-19.logistics@health.govt.nz</a> or call 0800 335 778.
To contact my local IMAC COVID-19 Regional Advisor (RIA)	View your local IMAC COVID-19 Education Team staff: <a href="https://covid.immune.org.nz/about/meet-team">covid.immune.org.nz/about/meet-team</a> ( <a href="https://tinyurl.com/th5hfcae">tinyurl.com/th5hfcae</a> )
Our clinic needs Cold Chain Accreditation/ Compliance OR ours has expired	<ol style="list-style-type: none"> <li>1. Complete the CCA Self-assessment form found here: <a href="https://health.govt.nz/coldchain">health.govt.nz/coldchain</a></li> <li>2. <a href="https://tinyurl.com/6jtdhsc9">Contact your local Immunisation Coordinator</a> to arrange a date for review (<a href="https://tinyurl.com/6jtdhsc9">tinyurl.com/6jtdhsc9</a>)</li> </ol>
In-depth information on cold chain processes and National Standards	<p>See <a href="https://tinyurl.com/y5uuezk7">National Standards for Vaccine Storage and Transportation for Immunisation Providers 2017 (2nd Ed.)</a> (<a href="https://tinyurl.com/y5uuezk7">tinyurl.com/y5uuezk7</a>)</p> <p>See <a href="https://tinyurl.com/568p6hs">2021 Addendum to Standards (Pfizer COVID-19 vaccine specific)</a> (<a href="https://tinyurl.com/568p6hs">tinyurl.com/568p6hs</a>)</p> <p>All requirements (including appropriate equipment, monitoring, recording, and policies and procedures) are outlined in the <a href="https://tinyurl.com/y5uuezk7">National Standards for Vaccine Storage and Transportation for Immunisation Providers 2017 (2nd Edition)</a> (<a href="https://tinyurl.com/y5uuezk7">tinyurl.com/y5uuezk7</a>)</p> <p>See <a href="https://immune.org.nz/cold-chain">immune.org.nz/cold-chain</a> for more information.</p>

## SECTION 8 | USEFUL INFORMATION/CONTACTS/Q&As (2)

### Help with adverse events

Question	Answer										
How should I store adrenaline vials?	Adrenaline vials should be stored safely in an easily accessible container, with range of syringes, needles and a dose chart. Store below +25°C and monitor room temp during warm summer months										
How long is the post-vaccination waiting time for a person who has previously had an anaphylactic allergic reaction?	Those who have had a previous anaphylactic allergic reaction to ANYTHING should wait 30 minutes post vaccination.										
How can I tell the difference between anaphylaxis and Acute Stress Response?	Assess carefully. Distinguishing between anaphylaxis and Acute Stress Response can sometimes be difficult. See <a href="https://tinyurl.com/we2fcasv">Comparison chart (tinyurl.com/we2fcasv)</a> . For more detailed information see <a href="https://tinyurl.com/228cbndu">Immunisation Stress-related Response (tinyurl.com/228cbndu)</a> .										
What dose of adrenaline do I administer in an anaphylaxis situation?	<table border="1"> <thead> <tr> <th>AGE</th> <th>DOSE</th> </tr> </thead> <tbody> <tr> <td>&lt;2 years</td> <td>100 mcg (0.1ml)</td> </tr> <tr> <td>2-4 years</td> <td>200 mcg (0.2mL)</td> </tr> <tr> <td>5-11 years</td> <td>300 mcg (0.3mL)</td> </tr> <tr> <td>12 years and over</td> <td>500 mcg (0.5mL)</td> </tr> </tbody> </table>	AGE	DOSE	<2 years	100 mcg (0.1ml)	2-4 years	200 mcg (0.2mL)	5-11 years	300 mcg (0.3mL)	12 years and over	500 mcg (0.5mL)
AGE	DOSE										
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5-11 years	300 mcg (0.3mL)										
12 years and over	500 mcg (0.5mL)										
What actions should I take after an anaphylaxis event?	<ol style="list-style-type: none"> <li>1. Complete this form <a href="https://tinyurl.com/5fuwh7kb">Anaphylaxis Checklist for Vaccinator Version 2, 9 Feb 2022 (tinyurl.com/5fuwh7kb)</a></li> <li>2. Upload to CARM as per instructions on the form</li> </ol>										
How should I report an adverse event following immunisation?	<ul style="list-style-type: none"> <li>• While in clinic: Report via CIR; this saves to their consumer's profile AND forward to CARM.</li> <li>• Events occurring after they have left the clinic: Report straight to CARM, either online <a href="https://nzphvc.otago.ac.nz/reporting">nzphvc.otago.ac.nz/reporting</a> or <a href="https://tinyurl.com/59en2cbj">paper form (pdf) (tinyurl.com/59en2cbj)</a>. This includes any side effects reported when attending for next vaccine.</li> <li>• These do not report back to the CIR.</li> </ul>										

## SECTION 8 | USEFUL INFORMATION/CONTACTS/Q&As (3)

### Help with consumables/resources/supply issues

What Do You Need?	Who do you contact, and when?
Help with a vaccine or consumables supply issue	0800 223 987 8am-8pm 7 days Covid-19.logistics@health.govt.nz 8am-5pm weekdays
Help with a privacy concern or reporting a privacy breach	COVIDPrivacy@health.govt.nz 9am-5pm weekdays
Our Interwaste vial disposal bin to be collected	0800 102 131 8am-5pm weekdays
COVID-19 information in a specific language or easy-to-read format	MoH webpage COVID-19: Vaccine resources ( <a href="https://tinyurl.com/7tbmwwdr">tinyurl.com/7tbmwwdr</a> ) For resources for whānau, hapū, iwi, and Māori communities see <a href="https://karawhiua.nz">karawhiua.nz</a> ( <a href="https://tinyurl.com/3x74fav5">tinyurl.com/3x74fav5</a> )  For Pacific Peoples resources see <a href="#">here</a> ( <a href="https://tinyurl.com/3xnfj28v">tinyurl.com/3xnfj28v</a> )  To support disabled people: • See <a href="#">Toolkit for organisations working with disabled people</a> ( <a href="https://tinyurl.com/5y2bpfjx">tinyurl.com/5y2bpfjx</a> ) • Consumers can call to speak with a support specialist, call 0800 28 29 26, 8am-8pm Mon to Fri
More printed COVID-19 patient resources	Contact your local Communications Manager or visit the <a href="#">MoH webpage COVID-19: Vaccine resources</a> ( <a href="https://tinyurl.com/7tbmwwdr">tinyurl.com/7tbmwwdr</a> )
Patient resources for other vaccines	' <a href="#">HealthEd</a> ' ( <a href="https://tinyurl.com/y3w8c5sj">tinyurl.com/y3w8c5sj</a> )
Clinical advice regarding the vaccine or immunisation process	<b>COVID-19 immunisation inquiries</b> Weekdays: 8.30am - 6pm Weekends: 8.45am - 3.30pm Public holidays: Critical support only 8.45am - 3.30pm  <b>Other immunisation inquiries</b> Weekdays: 9am - 4.30pm
To contact my local IMAC COVID-19 representative	<a href="#">IMAC COVID-19 webpage Meet the team</a> ( <a href="https://tinyurl.com/snnvbbsj">tinyurl.com/snnvbbsj</a> ) 9am-5pm weekdays
To access the latest clinical info regarding COVID-19, vaccines, operating guidelines, vaccine admin and vaccine storage	See <a href="#">MoH website</a> ( <a href="https://tinyurl.com/mh74fr52">tinyurl.com/mh74fr52</a> ) to find useful resources, guidance and the latest information on the COVID-19 vaccine for the health sector, DHBs, health providers and vaccinators.  See <a href="#">IMAC COVID-19 written resources</a> ( <a href="https://tinyurl.com/3n9n29j6">tinyurl.com/3n9n29j6</a> ) for vaccine administration information, COVID-19 vaccine data sheets, access to the Immunisation Handbook and cold chain information.  Check the <b>Āwhina App</b> on your phone ( <a href="https://tinyurl.com/yrbmccasy">tinyurl.com/yrbmccasy</a> ). It is strongly recommended to download the Āwhina App.
Help with an IMAC training or education query	0800 882 873 9am-4.30pm weekdays <a href="mailto:imacetadmin@auckland.ac.nz">imacetadmin@auckland.ac.nz</a>

## SECTION 8 | USEFUL INFORMATION/CONTACTS/Q&As (4)

### Help with COVID-19 Immunisation Register

What Do You Need?	Who do you contact, and when are they available?
Help accessing CIR, resetting my password, or after-hours help with CIR	0800 223 987 8am-6pm 7 days help@c-19imms.min.health.nz
Help entering vaccine doses into CIR	See Quick Step Guides to recording on CIR of: <ul style="list-style-type: none"> <li>• <a href="https://tinyurl.com/2b55z3vh">Booster doses</a> (tinyurl.com/2b55z3vh)</li> <li>• <a href="https://tinyurl.com/25aws645">Additional or replacement doses in response to an error</a> (tinyurl.com/25aws645)</li> <li>• <a href="https://tinyurl.com/5n94vttv">Paediatric Pfizer doses</a> (tinyurl.com/5n94vttv)</li> <li>• <a href="https://tinyurl.com/2f8zfa99">Overseas Vaccinations</a> (tinyurl.com/2f8zfa99)</li> </ul>
CIR training	IMAC Learning <a href="https://lms.immune.org.nz">lms.immune.org.nz</a> has a combined 'CIR and BookMyVaccine' training course. It is embedded in the COVID-19 Vaccinator Education Course for Vaccinators, or as a stand-alone course for reception/admin staff. Visit anytime.
Live virtual training for CIR	The Ministry runs daily Q&A sessions at 9:30am. <a href="https://tinyurl.com/b3hyaydc">Click here to join the meeting</a> (tinyurl.com/b3hyaydc). For primary health (GP practices and pharmacies) the Ministry live training sessions can be booked via the <a href="https://tinyurl.com/p3ppa38x">live training dashboard</a> (tinyurl.com/p3ppa38x).
The latest training notes for CIR	<a href="https://tinyurl.com/s6m9zj3t">Book My Vaccine Detailed Release Notes-21-8</a> (tinyurl.com/s6m9zj3t) Access by logging into CIR. Notes can be downloaded.

### Help with Book My Vaccine

What Do You Need?	Who do you contact, and when?
Information on how clients book, move or cancel their vaccine appointment	Encourage them to visit <a href="https://bookmyvaccine.nz">bookmyvaccine.nz</a> or call the COVID Vaccination Health line on 0800 28 29 26 Visit anytime, or call 8am-8pm, 7 days/week
Book My Vaccine quick guide notes	See Book My Vaccine Quick Step Guides (tinyurl.com/xx7fsa6y) Access by logging into CIR. Video can be downloaded.
To attend virtual Book My Vaccine training	The Ministry runs Q&A sessions. <a href="https://tinyurl.com/b3hyaydc">Click here to join the meeting</a> (tinyurl.com/b3hyaydc). Daily at 9:30am
To teach clients how to use the booking system	See <a href="https://tinyurl.com/4dm69sf7">Bookings Demo Video</a> (tinyurl.com/4dm69sf7) Access by logging into CIR. Video can be downloaded.

### Consumer information

See Unite against COVID-19 webpage [What to expect when you get your vaccination](https://tinyurl.com/4afwh9bb) (tinyurl.com/4afwh9bb).

### My Vaccine Pass

See Unite against COVID-19 webpage [How to get a My Vaccine Pass](https://tinyurl.com/yckntbxa) (tinyurl.com/yckntbxa).

### Vaccine exemption

Ministry of Health COVID-19 vaccine exemption information, including clinical criteria and a process flowchart, can be found [here](https://tinyurl.com/2dvaw565) (tinyurl.com/2dvaw565).