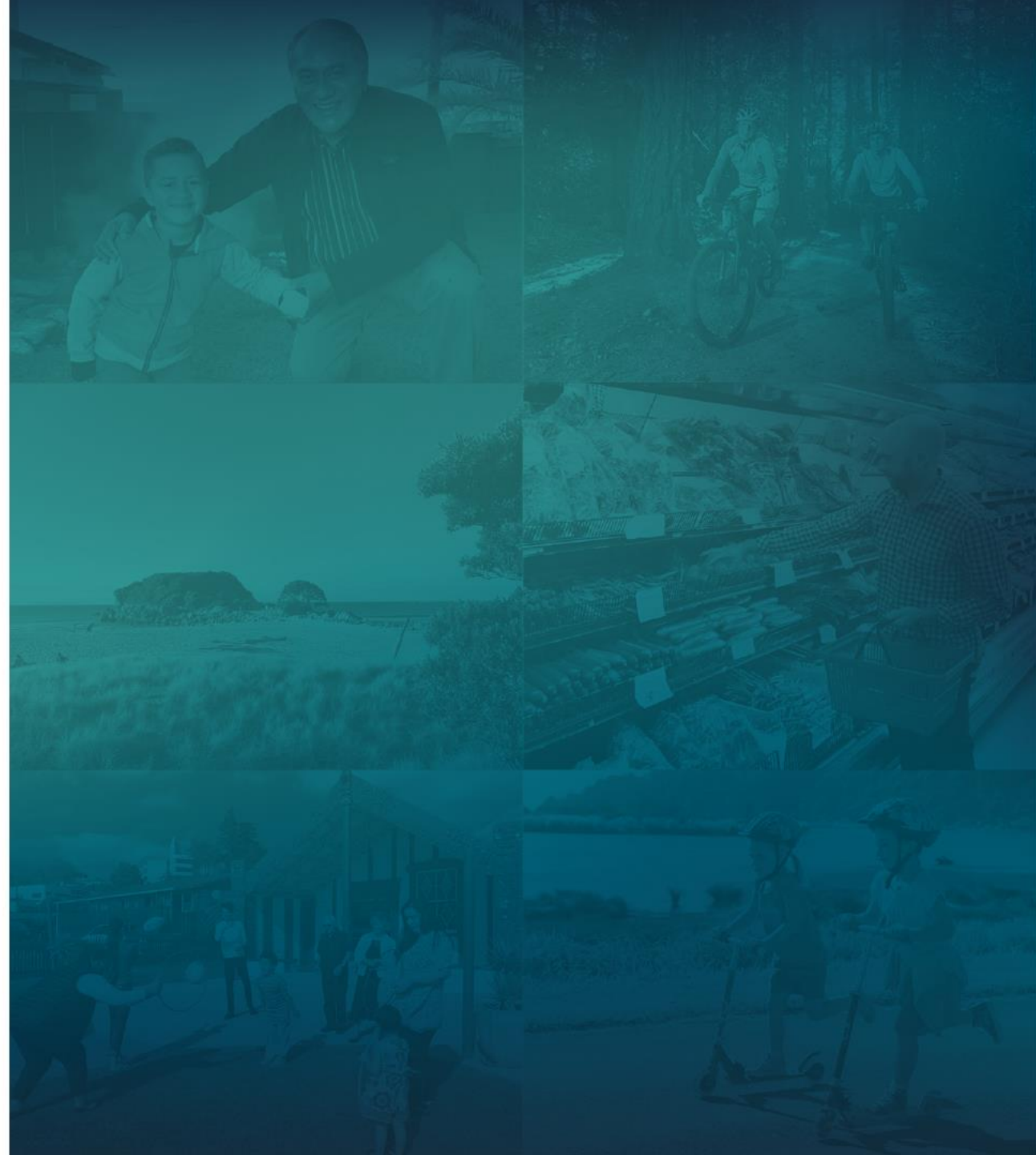


COVID-19 Vaccination

Toi Te Ora Public Health

November 2021



COVID-19 Virus

(SARS-CoV-2)

- Pandemic declared March 2020
- > 259 million cases
- > 5.1 million deaths
- Pandemic continues globally



Director general of health Dr Ashley Bloomfield takes a Covid-19 test at the Ora Toa Cannons Creek Medical Centre in Porirua. Photo / Katie Harris

[Covid 19 coronavirus: So you've tested positive for the virus. Here's what happens next - NZ Herald](#)



COVID-19 in NZ: October 2021

- > 11,000 cases
- 43 deaths
- NZ so far avoided level of COVID illness/death seen elsewhere
 - Economic & social cost
- Current outbreak – Delta variant
 - 93% of cases not fully vaccinated
- Ongoing threat of further outbreaks



COVID-19 Disease

- About 1/5 people have no symptoms
- Symptoms range from mild (cold like) to severe (breathing support, intensive care)
- ~ 1 cases per 100 may die
- Long COVID – many develop long-term health problems e.g. changes to sense smell/taste, fatigue, brain fog (cognitive dysfunction), shortness of breath



COVID-19 Vaccination

- > 7.7 billion vaccine doses administered worldwide
- Pfizer vaccine being rolled out in NZ
- AstraZeneca available end of November
- Assessed and approved by Medsafe (NZ medicines safety authority)
- NZ has bought enough for 2 doses for everyone in the country
- 92% of the 12+ population have received first dose in NZ (Nov 21)



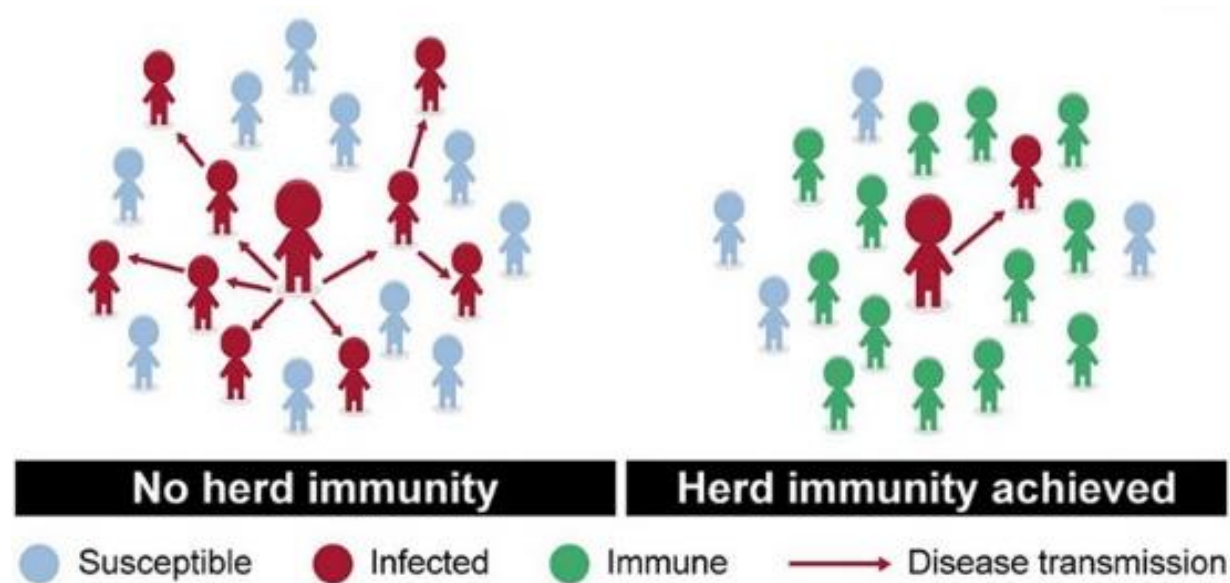
Pfizer Vaccination

1. Stops you from getting the disease
~ 95% effective against symptomatic COVID-19 after 2 doses
2. Breakthrough cases possible - Some vaccinated people may still get symptoms from COVID-19 (typically older or immunocompromised). But likely to be a milder, shorter illness
~ 90% chance not going to hospital, intensive care or dying
3. It greatly reduces transmission of the virus
~ 65% less likely to spread the virus to others



Herd Immunity

- Almost all New Zealanders will need to be vaccinated to stop the spread in our communities

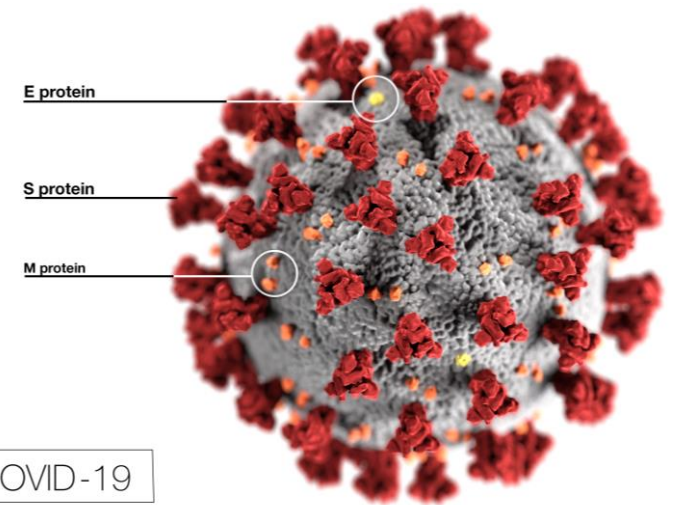


- 1 person vaccinated in household – others risk of infection reduced by up to ~60%
- 2 people vaccinated in household – others risk of infection reduced by up to ~85%



How does the Pfizer vaccine work?

- The virus has spike proteins on its surface.
- The Pfizer vaccine works by giving the body instructions (mRNA) to make the spike proteins.
- The immune system can then learn to recognise the proteins (antibodies).
- If you catch the real virus, your body can act quickly to stop the illness or reduce the effect of the illness.



What is in the Pfizer vaccine?

- 1. Antigen (mRNA)** The mRNA is for the spike protein of SARS-CoV-2, the virus that causes COVID-19.
- 2. Fatty bubble** Protects the mRNA, so that it does not break down before it gets into our cells.
- 3. Sugar** Keeps the fats from sticking to each other or the sides of the vaccine vial.
- 4. Salts** Keeps the PH similar to that in our body.

It **does not** contain: the virus, animal products, anything that can affect your DNA.



How has this vaccine been developed faster than usual vaccines?

- Scientists had a head start because of all the research already carried out on related viruses.
- Governments, private companies and funding agencies have spent a lot of money.
- Researchers and governments from different countries shared information and worked together.
- More people than usual volunteered for clinical trials. Some clinical trials were done at the same time, instead of one after another.
- Large manufacturing plants were built so more vaccines can be made faster than was possible before.
- Researchers could show the vaccine worked sooner than usual, because there were so many cases of COVID-19.



Vaccine Rollout

- Everyone aged 12+ is eligible
- It is **free** regardless of immigration status.
- Aim: almost all of 12+ population by end 2021
- Biggest task health system ever faced

New Zealand's vaccine plan is to:



Supply enough vaccine to protect Aotearoa and the Pacific



Protect Māori, Pacific peoples, and other groups at greater risk of COVID-19



Make it easy for people to get vaccinated



Put safety first with all COVID-19 vaccines




Ensure we are prepared for future outbreaks




Support New Zealand's contribution to global wellbeing



Getting A COVID-19 Vaccination

- 

1 A healthcare worker will do a health check with you and answer your questions.
- 

2 You will need to agree to be vaccinated. Remember, you can ask questions at any time.

- 

3 A fully-trained healthcare worker will then give you the vaccine in your upper arm.
- 

4 You will need to stay for at least 15 minutes so a healthcare worker can look out for you and make sure you are ok.
- 

5 Once the healthcare worker is confident that you're fine and you are feeling ok, you can leave and carry on with your day.



After Your COVID-19 Vaccination



You will be asked to get your second dose of the vaccine at least 21 days later.



You get your best protection against COVID-19 after 2 doses of the vaccine.



If you have side effects or feel unwell after your vaccination, speak with your trusted health professional.



Frequently Asked Questions



What are the side effects?

- Like all medicines, the vaccine may cause some side effects in some people. These are common, usually mild, don't last long and are similar to other vaccines
- The most reported reactions include: pain at the injection site, headache, feeling tired
- Side effects are more common after the 2nd dose, generally mild and last only 24–48 hours



What are the side effects?

- Serious reactions, such as anaphylaxis, are very rare – everyone is monitored for 15 minutes after vaccination
- Myocarditis – Rare, <1:25,000
- The risk of developing myocarditis is higher (4x) and it is more severe if you become infected with COVID-19 than as a reaction to the Pfizer vaccine



Can I get the vaccine if I have underlying health conditions?

- People with underlying health conditions are more at risk of getting very sick from COVID-19 and are encouraged to get the vaccine
- For specific advice about getting the Pfizer vaccine, talk to your doctor or other healthcare professional.



Can I get a vaccine if I'm pregnant or breastfeeding?

- COVID-19 Pfizer vaccine encouraged at any stage
- Those who are pregnant are more likely to become very sick with COVID-19 and their babies are more likely to be born early
- Data from a large number of pregnant women already vaccinated globally, shows that there are no additional safety concerns
- Vaccinated mothers may also provide some protection against COVID-19 for their babies via the placenta or through breastmilk.



Who cannot have the vaccine?

- Those who have had previous anaphylaxis (severe allergic reaction) to this vaccine or any of its components
- Caution:
 - Anaphylaxis to other triggers
 - High risk clinics
- Ongoing monitoring internationally as with all vaccines/medications



Are there alternative vaccines?

- AstraZeneca will be available soon as a second option
 - Small number of people who cannot have the Pfizer vaccine for medical reasons. This is estimated to be only a few hundred people.
 - People who wish to have the option of another COVID-19 vaccine for different reasons, this includes people who need to be vaccinated because of the work they do.
- MEDSAFE
 - Jansen - Approved
 - Novavax – Under evaluation



AstraZeneca

- Need 2 doses
- Viral vector vaccine – uses a modified virus with the spike protein code which can enter cells but not cause illness (no live vaccine)
- 80% effective against hospital admission after the first dose
- Rare side effect of blood clots with low levels of platelets (thrombosis with thrombocytopenia syndrome or TTS) typically affecting <50yrs after the first dose, <15 cases per million
- COVID-19 disease increases risk of blood clots, >1 in 5 cases



Boosters

- Medsafe has granted approval of a booster dose of the Pfizer vaccine for people aged 18+
- You can get a booster dose from 29 November if it has been 6 months since your second dose.
- The booster is different to the third primary dose recommended for people who are immunocompromised. People eligible for a third primary dose can access a booster dose 6 months after receiving their third primary dose.



Getting the right information matters

- Accurate and reliable information is needed to make an informed decision
- Be aware of incorrect information on social media and other places
- False or misleading information such as leaflets, publications or websites can be reported to **CERT NZ**:
 - [Cert.govt.nz/report-covid-19-vaccine-scams-or-misinformation/](https://cert.govt.nz/report-covid-19-vaccine-scams-or-misinformation/)
 - Or call 0800 2378 69.



Tips for addressing misinformation

- Check the information - Go to reliable sources to check the facts.
- Acknowledge peoples concerns and fears.
- Decide if it is best to engage directly, send a message or talk privately.
- Try to find areas you can agree on.
- If a person you are engaging with gets defensive and you feel that it is no longer constructive, it may be best not to proceed.
- If you see misinformation on social media you may want to report it to the platform. You have the option to remain anonymous.
- Share accurate resources and encourage others to do so




Unite against COVID-19 (covid19.govt.nz)

Protect yourself, your whānau and your community

Vaccinations are free and are one of the most powerful tools against COVID-19. If you are aged 12 or over, you can book now.

[How to get vaccinated](#)

[Book My Vaccine](#) 

You might be interested in

[Vaccinations required for non-New Zealand citizens](#)

[Your vaccine questions answered](#)

[Side effects](#)

[Change your appointment](#)

[Pfizer vaccine](#)

[Walk-in and drive-through vaccinations](#)

[Proof of vaccination](#)

[Delta variant](#)

[Karawhiua — information for Māori communities](#) 

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against
COVID-19





The vaccine helps us plan for tomorrow

Covid19.govt.nz



Community Unites

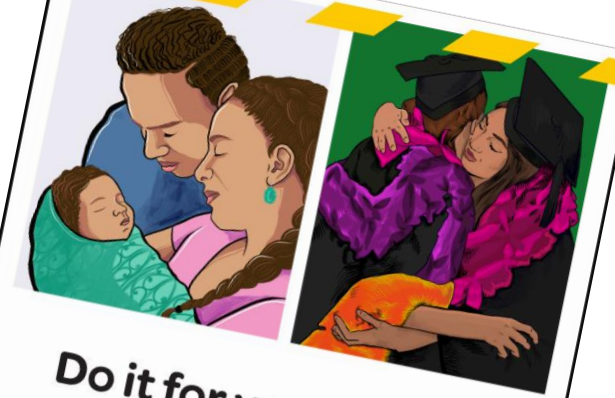
Unite against COVID-19



The vaccine keeps us together

Unite

Covid19.govt.nz



Do it for your family BookMyVaccine.nz

New Zealand Government

Unite against COVID-19

MINISTRY OF HEALTH

Getting your COVID-19 vaccine: What to expect

Vaccines are one of the ways we can fight the COVID-19 pandemic and protect the welfare and wellbeing of our communities.

Protection
COVID-19 vaccines are free and available to everyone in New Zealand. Vaccines protect your health and prevent disease by working with your body's natural defences to help you fight the virus. You're expected to have a COVID-19 vaccine to protect yourself and others. Getting a COVID-19 vaccination is important to protect yourself from the effects of the virus.

Prize vaccine
The vaccine will not give you COVID-19, but it will help you to avoid getting it or make it less severe. You should get the vaccine as soon as you can. If you can't make your appointment, we can help you find an alternative.

Things to consider before getting your vaccine
If you have had a severe allergic reaction to any vaccine or medicine, please discuss this with your doctor. If you are not sure if you should get the vaccine, please talk to your doctor. If you have any other health conditions, please discuss this with your doctor. If you have any other health conditions, please discuss this with your doctor.

How do we know it's safe?
The vaccine has been tested in thousands of people. It is safe and effective. It is safe and effective. It is safe and effective.

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New Zealand Government

COVID-19 vaccine Q&A #1: How were the COVID-19 vaccines created...

Jennifer Ward-Lealand and Helen Petousis-Harris

Answer your COVID-19 vaccine questions

Watch on YouTube

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Lifelong health + wellbeing for all

Karawhiua (<https://karawhiua.nz/>)



How can we help?

Search

English

Māori

Protecting whānau

Get in the know ▾

Where to get vaccinated

Resources

About Karawhiua

Pānui



Protecting whānau is what we do

We can be proud of what we've done to protect each other from COVID-19. Let's not waste our hard mahi. You and your whānau can find trusted information here so you can make an informed choice about the COVID-19 vaccine.

[Find a vaccination centre near you](#)



Lifelong health + wellbeing for all



Ko te tiaki i te whānau koia tā tātou mahi

Me whakahihi tātou i ngā mahi tiaki i te katoa i te KOWHEORI-19. Kei moumou ngā mahi nui. Me tiaki tonungā whānau me ngā hapori i te KOWHEORI-19. He KOREUTU te rongoā Pfizer. Ka nui te rongoā āraimate e wero katoa a i te hunga 12 tau neke atu rānei, ki ngā whiwhinga rongoā e rua hei tiaki i te hunga nei i te KOWHEORI-19.

He pēhea te tiaki a te rongoā āraimate KOWHEORI 19 a tātou?

Ko te tukunga rongoā āraimate tēhā huahiri e tākina ai o tōtau whānau me o tōtau hapori hoki. Mā te ako i tōtinana ki te rongoā, ki te whiwhi hoki i te huaketo etiahi ai tātou. Mānā kua whiwhi rongoā āraimate te nuinga o tātau, ka heke iho te mōrearea o te mate ununā. Ki te tūpono anō te ununā ki te hapori, ka nōho tātahi anō tātau, ā, ka tīmia te pūnaha hauora.

Ka āhoro e te rongoā āraimate te pūnaha awhirihi ki te tautohu me te whiwhi i te huaketo. E kore koe e mōkuri i te rongoā āraimate KOWHEORI-19, nā te mea kōre he huaketo ora, he huaketo mate rānei o roto ka pā ki ngā kōwhiri i te iri tangata. Ka puta katoa te rongoā āraimate i tō tinana i roto i ngā rangi ruaru, ā, ka rite te pūnaha awhirihi ki te whiwhi i te KOWHEORI-19.

Me pēhea tātau e mōhio ai he pai tēnei mō o tātau whānau?

I Aotearoa nei, ko Medsafe e ahoi he pāpāanga mō te arotahi i ngā rongoā āraimate. He wāhanga a Medsafe nō te Mānati Hauora.

Kia mātua tau rawa i a Medsafe kua tutuki ngā paerewa ā-motu, ā-aorā hoki mō te haumanu, te whakaaorao me te koinga, kātahi ka whakaae ki te whakamahi ngā otātahi rongoā āraimate ki Aotearoa.

Te kōwhiri i te rongoā āraimate

Keia ko te kōwhiri ngā ki te whiwhi i te rongoā āraimate.

Mā te whiwhi i ngā tukunga rongoā e rua ka kaha rawa atu te tiaki i a koutou kōwhiri whānau. Me mātua whiwhi rongoā āraimate e haumanu ai ngā kōwhiri, ngā koroua, ngā Māori hapū me te hunga mōrearea ake ki te pāngao te KOWHEORI-19. Mānā anō etiahi ngā tamariki me te hunga kāore anō kia shei ki te whiwhi rongoā āraimate.

Ka aha inā haere au ki te whiwhi i te rongoā āraimate

- Ka pātaihia koe ki te tukunga ngā kōwhiri mōu ake me tō whakaaetanga.
- Mā te kaiwero kua whakangungua te rongoā āraimate e wero ki tō uki ki pūki.
- Me mātua nōho koe mō te 15 meneti i muri i te tukunga rongoā āraimate.
- Kote tīanga, ka puta tētahi pāngao iti, ā, he tohu ānō e ako haere ana tōtinana ki te whiwhi i te huaketo. Haere ki karawhiua.nz/FAGs
- Ka whakarite he weronga ruaru mōu. Tuhia ki tō rae kia mātua mōhio koe āhea, ki hea anō hoki.



Further Resources

- Ministry of Health

<https://www.health.govt.nz/our-work/diseases-and-conditions/covid-19-novel-coronavirus/covid-19-vaccines>

- Te Puni Kōkiri Ministry of Māori Development

<https://www.tpk.govt.nz>

- Ministry for Pacific Peoples

<https://www.mpp.govt.nz>

- Immunisation Advisory Centre (IMAC)

<https://covid.immune.org.nz>

- Bay of Plenty DHB COVID-19 Vaccinations

<https://vaccinations.bopdhb.health.nz>

- Lakes DHB COVID-19 Vaccinations

<http://lakesdhb.govt.nz>

- GP, pharmacist, iwi health provider or other health professional

- Healthline - 0800 358 5453

- World Health Organization (WHO)

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019>



Book My Vaccine

Protect yourself, your whānau, and your community

Everyone in Aotearoa New Zealand aged 12 years and over can book their **free** COVID-19 vaccination now. It doesn't matter what your visa or citizenship status is.

Book your vaccine →

Change or cancel appointments →

- Online: <https://bookmyvaccine.covid19.health.nz/>
- By phone: [0800 28 29 26](tel:0800282926) (8 am to 8 pm, seven days a week)



Locations

- Vaccination hubs in Tauranga, Whakatāne, Rotorua and Taupō
- GP's, Pharmacies and Māori Health Providers
- Pop up events
- Walk in



Why get vaccinated

- COVID-19 is not going away and it is a disease of the unvaccinated
- We have lots of data now on safety and effectiveness
- Protect yourself, your whānau and community
- Protect those who can't be vaccinated or are more vulnerable
- Protect your colleagues and support business/NZ to open up



Any
Questions?

