



24 August 2022

Neal Sales

By email: fyi-request-20026-e3e5f423@requests.fyi.org.nz

Ref: H2022008734

Tēnā koe Neal,

Response to your request for official information

Thank you for your request under the Official Information Act 1982 (the Act) to Manatū Hauora Ministry of Health (Manatū Hauora) on 27 July 2022. You requested:

Please provide any information held by the Ministry of Health regarding the number or percentage of people who have been infected with Covid 19 more than once (reinfecting) And whether those people are vaccinated against COVID-19 or not vaccinated against COVID-19.

Please find the information you have requested in the table below:

Vaccination status	First infection	Reinfection	Total
Fully vaccinated at least 7 days before reported as a case.	508,488	10,023	518,508
No doses received prior to being reported as a case.	58,701	1,110	59,811
Not eligible for vaccine due to being less than 12 years old.	214,569	2,085	216,654
Partially vaccinated.	15,000	288	15,285
Received booster at least 7 days before being reported as a case.	820,671	11,406	832,074
Total	1,617,420	24,912	1,642,335

Manatū Hauora applies two data confidentiality methods for data that is not already released as exact counts on the Ministry's website, in accordance with best-practice confidentiality methods recommended by Stats NZ. More information can be found on data practices at: www.data.govt.nz/toolkit/privacy-and-security/understanding-data-confidentiality/data-confidentiality-principles-and-methods-report/.

Two data confidentiality methods called perturbation and suppression have been applied. Perturbation is the adding of random noise to data, for example, rounding up or rounding down, and suppression is not providing data, where doing so could compromise confidentiality.

For data that is not already provided exactly on our website:

- All values between 1 and 5 are suppressed.
- Zero values are provided exactly, except for in sensitive categories where a zero value may be suppressed to protect other low values.
- Values of 6 and above are perturbed using fixed random rounding to base 3 (FRR3). This entails rounding values to neighbouring multiples of 3. For example, 11 may be rounded to 12 or 9.

I trust this information fulfils your request. Under section 28(3) of the Act, you have the right to ask the Ombudsman to review any decisions made under this request. The Ombudsman may be contacted by email at: info@ombudsman.parliament.nz or by calling 0800 802 602.

Please note that this response, with your personal details removed, may be published on the Manatū Hauora website at: www.health.govt.nz/about-ministry/information-releases/responses-official-information-act-requests.

Nāku noa, nā



Gill Hall

**Group Leader, Intelligence, Surveillance and Knowledge
Public Health Agency, Ministry of Health**