



22 August 2022

A Smith

By email: [fyi-request-20020-b0dbdb26@requests.fyi.org.nz](mailto:fyi-request-20020-b0dbdb26@requests.fyi.org.nz)

Ref: H2022008567

Tēnā koe A Smith,

### 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) on 26 July 2022. You requested:

*“...the number of people by month who caught Covid 19 within 14 days of a Vaccination. How were these cases reported in regards to vaccination status?”*

Please refer to the below tables that show the number of people who caught COVID-19 within 14 days of vaccination and the vaccination status of those people.

**Table 1: Cases by month of people who caught COVID-19 within 14 days of a vaccination (data as of 16 August 2022)**

Date	Total
March 2021	.s
July 2021	.s
August 2021	60
September 2021	66
October 2021	288
November 2021	597
December 2021	207
January 2022	75
February 2022	11,100
March 2022	28,575
April 2022	3,522
May 2022	1,143
June 2022	390
July 2022	483
August 2022	120
<b>Grand Total</b>	<b>46,630</b>

**Table 2: Vaccination status of people who caught Covid-19 within 14 days of a vaccination (data as of 16 August 2022)**

<b>Infection within 14 days from COVID-19 Vaccination</b>	<b>Total</b>
Infection after first dose	4647
Infection after second dose	7263
Infection after third dose	34722
<b>Grand Total</b>	<b>46630</b>

Manatū Hauora utilises confidentially methods as recommended by Stats NZ. The below information explains the methods used and why we use these methods.

### **Confidentiality methods**

To avoid revealing sensitive information about potentially identifiable individuals in our data, we apply two data confidentiality methods, perturbation, and suppression, to any data that is not already released as exact counts on the Ministry’s website.

Perturbation is the adding of random noise to data and suppression is not providing 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 the 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.

FRR3 is a best-practice confidentiality method recommended by Stats NZ. For more information please visit: [www.data.govt.nz/toolkit/privacy-and-security/understanding-data-confidentiality/data-confidentiality-principles-and-methods-report/](http://www.data.govt.nz/toolkit/privacy-and-security/understanding-data-confidentiality/data-confidentiality-principles-and-methods-report/)

Examples of confidentially methods are demonstrated in the below table:

<b>True value</b>	<b>Displayed value</b>
4	.s (suppressed)
11	9 or 12
15	15
16	15 or 18
301	300 or 303

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](mailto: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](http://www.health.govt.nz/about-ministry/information-releases/responses-official-information-act-requests).

Nāku noa, nā

A handwritten signature in blue ink that reads "Gill Hall". The signature is written in a cursive style with a large initial 'G'.

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