

8 March 2022

s 9(2)(a)

By email: **s 9(2)(a)**
Ref: H202201155

Tēnā koe **s 9(2)(a)**

Response to your request for official information

Thank you for your request under the Official Information Act 1982 (the Act) to the Ministry of Health (the Ministry) on 9 February 2022 for information related to the Medsafe COVID-19 vaccine safety report, number 39. I will respond to each part of your request in turn.

Medsafe covid19 vaccine safety report #39 -31, it states the number of reports of myocarditis and pericarditis COMBINED together is 455.

Out of those 455 reports, Please specify:

- 1) The number of just myocarditis reports.*
- 2) The number of just pericarditis reports.*

This information is available in the Adverse Events Following Immunisation (AEFI) reports, published under the heading "Latest listing of all cases received". These reports are available here: www.medsafe.govt.nz/COVID-19/vaccine-report-overview.asp.

Each case is listed with the AEFI codes associated with their symptoms, including myocarditis (10028606) and pericarditis (10034484).

In report number 39 there were 281 counts of myocarditis, and 341 counts of pericarditis. Please note that some cases reported both myocarditis and pericarditis. Please refer to the published spreadsheet for more information.

You may also be interested in the following safety reminder regarding myocarditis and pericarditis published by Medsafe on 20 December 2021. The safety reminder is available here: www.medsafe.govt.nz/safety/Alerts/comirnaty-myocarditis-reminder.htm. This document includes the number of confirmed cases of myocarditis and/or pericarditis following Pfizer COVID-19 vaccination as of 1 December 2021, which was 233.

- 1) What year the background data used is from.*
- 2) The background rate of just myocarditis reports alone.*
- 3) The background rate of just pericarditis reports alone.*

The adverse event of special interest (AESI) background hospitalisation rates used to estimate the expected number of events in the general population are an average of the hospitalisation rate for the calendar years from 2016 to 2019. This information is published in the notes alongside the AESI report, and the data is publicly available at: www.health.govt.nz/nz-health-statistics/health-statistics-and-data-sets/hospital-event-data-and-stats.

Please provide the total number of myocarditis cases for ALL causes reported in:

- 1) 2019
- 2) 2020
- 3) 2021

Please provide the total number of pericarditis cases for ALL causes reported in:

- 1) 2019
- 2) 2020
- 3) 2021

Please note that the Ministry is only able to provide data on people who were discharged from hospital with a diagnosis of myocarditis or pericarditis, not people who are diagnosed with myocarditis or pericarditis in other healthcare settings. The data enclosed in Appendix 1 counts the number of hospital discharges with a primary diagnosis associated with myocarditis and/or pericarditis. This data captures publicly funded hospitalisations only, as private hospitalisations data is not yet available for 2020 or 2021.

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 Ministry website at: www.health.govt.nz/about-ministry/information-releases/responses-official-information-act-requests.

Nāku noa, nā



Astrid Koornneef
Director
National Immunisation Programme

Pericarditis

ICD code	Code Description
I010	Acute rheumatic pericarditis
I092	Chronic rheumatic pericarditis
I300	Acute nonspecific idiopathic pericarditis
I301	Infective pericarditis
I308	Other forms of acute pericarditis
I309	Acute pericarditis, unspecified
I310	Chronic adhesive pericarditis
I311	Chronic constrictive pericarditis
I320	Pericarditis in bacterial diseases classified elsewhere
I321	Pericarditis in other infectious and parasitic diseases classified elsewhere
I328	Pericarditis in other diseases classified elsewhere
I319	Disease of pericardium, unspecified

Myocarditis

ICD code	Code Description
I012	Acute rheumatic myocarditis
I090	Rheumatic myocarditis
I400	Infective myocarditis
I401	Isolated myocarditis
I408	Other acute myocarditis
I409	Acute myocarditis, unspecified
I410	Myocarditis in bacterial diseases classified elsewhere
I411	Myocarditis in viral diseases classified elsewhere
I412	Myocarditis in other infectious and parasitic diseases classified elsewhere
I418	Myocarditis in other diseases classified elsewhere
I514	Myocarditis, unspecified

Note that ICD10-AM version 8 is used.

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Pericarditis publicly funded hospital discharges by calendar year
 ICD-10-AM version 8
 Extracted: 16/02/2022
 Source: National Minimum Dataset (NMDS)
 December 2021 data may be incomplete.

Year	ICD-10-AM code	Discharges
2019		
	I010	3
	I092	3
	I300	16
	I301	117
	I308	1
	I309	123
	I311	18
	I319	519
	I320	5
	I328	9
	Total	814
2020		
	I010	2
	I092	3
	I300	7
	I301	127
	I308	4
	I309	112
	I311	12
	I319	642
	I320	1
	I328	13
	Total	923
2021		
	I010	3
	I092	1
	I300	20
	I301	108
	I308	6
	I309	87
	I311	33
	I319	612
	I328	10
	Total	880

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Myocarditis publicly funded hospital discharges by calendar year

ICD-10-AM version 8

Extracted: 16/02/2022

Source: National Minimum Dataset (NMDS)

December 2021 data may be incomplete.

Year	ICD-10-AM code	Discharges
2019		
	I012	3
	I400	52
	I401	1
	I408	2
	I409	6
	I411	2
	I418	2
	I514	92
	Total	160
2020		
	I012	4
	I090	1
	I400	30
	I401	1
	I408	6
	I409	9
	I418	3
	I514	106
	Total	160
2021		
	I012	1
	I400	31
	I401	3
	I409	16
	I514	142
	Total	193

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Myocarditis and pericarditis publicly funded hospital discharges by calendar year
 ICD-10-AM version 8
 Extracted: 16/02/2022
 Source: National Minimum Dataset (NMDS)
 December 2021 data may be incomplete.

Year	Diagnosis	Discharges
2019	Myocarditis	160
	Pericarditis	814
	Total	974
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2020	Myocarditis	160
	Pericarditis	923
	Total	1083
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2021	Myocarditis	193
	Pericarditis	880
	Total	1073
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Diagnosis	ICD codes
Myocarditis	I012, I090, I400, I401, I408, I409, I410, I411, I412, I418, I514
Pericarditis	I010, I092, I300, I301, I308, I309, I310, I311, I320, I321, I328, I31E

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