

Thai Quoc Khanh
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Ref: H201807646

Dear Thai Quoc Khanh

Response to your request for official information

I refer to your request of 15 November 2018 to the Ministry of Health (the Ministry) under the Official Information Act 1982 (the Act) for:

"Could you please kindly provide statistics on Amenable Mortality from 2013 to 2017."

On 24 November 2018, you submitted a refinement to your request:

"Following the previous email on amenable mortality rate, it seems that data are separated into ethnic groups. If possible, could you please show me how to calculate the overall amenable mortality rate for each DHB?"

The information held by the Ministry relating to this request is attached as Appendix One. For your reference, data from 2000 to 2012 has also been included.

Note that 2015 is the most recent year for which mortality data is currently available. Finalising mortality data takes several years as there are a variety of data quality processes involved before this information is published. Coronial cases are also included when collating this information. Generally, provisional data becomes available around two years after the end of the year. As such, 2016 data is expected to be provisionally available in early 2019.

The Ministry published a document which explains how to calculate standardised rates, you can find this publicly available at: <https://www.health.govt.nz/publication/standardising-rates-disease>. When calculating amenable mortality rates, the Ministry standardises to the World Health Organization (WHO) World Standard population, refer to Appendix Two.

I trust this information fulfills your request.

Please note this response (with your personal details removed) may be published on the Ministry's website.

Yours sincerely



Ann-Marie Cavanagh
Acting Deputy Director-General
Data and Digital

Appendix One

Age standardised amenable mortality statistics between 2000 and 2015 (Amenable mortality, aged 0-74, by year, total population) (Source: Ministry of Health, www.moh.govt.nz)

Year	Male		Female		Total	
	Number	Rate	Number	Rate	Number	Rate
2000	3911	183.9	2445	109.6	6356	146.0
2001	3962	182.1	2492	108.6	6454	144.4
2002	3801	171.9	2440	105.0	6241	137.7
2003	3686	164.3	2417	102.1	6103	132.5
2004	3603	157.9	2393	99.7	5996	128.2
2005	3435	148.7	2255	92.2	5690	120.0
2006	3459	145.0	2184	86.3	5643	114.9
2007	3484	143.2	2264	87.6	5748	114.7
2008	3399	136.8	2216	83.7	5615	109.7
2009	3446	135.1	2208	81.5	5654	107.7
2010*	3353	128.2	2212	80.2	5565	103.7
2011	3300	122.1	2210	76.9	5510	99.0
2012	3324	120.1	2199	75.9	5523	97.5
2013	3241	113.8	2160	72.4	5401	92.6
2014	3282	113.3	2236	72.9	5518	92.6
2015	3291	110.5	2258	71.8	5549	90.7

Notes:

- * 2016 amenable mortality codes used from this year (refer to the Nationwide Service Framework Library (NSFL) website for code list: <https://nsfl.health.govt.nz/dhb-planning-package/system-level-measures-framework/data-support-system-level-measures/amenable>)
- Rates per 100 000, age-standardised to WHO world standard population (refer to Appendix Two)

Appendix Two

WHO World Standard Population Distribution (%), based on world average population between 2000 and 2025 (Source: World Health Organization, <https://www.who.int/>)

All ages	World Average 2000-2025
0-4	8.86
5-9	8.69
10-14	8.60
15-19	8.47
20-24	8.22
25-29	7.93
30-34	7.61
35-39	7.15
40-44	6.59
45-49	6.04
50-54	5.37
55-59	4.55
60-64	3.72
65-69	2.96
70-74	2.21
75-79	1.52
80-84	0.91
85-89	0.44
90-94	0.15
95-99	0.04
100+	0.005
Total	100

Note: The Ministry uses 85+ as the top age group when calculating age standardised rates (all ages 85+ = 0.635 average)