

15 NOV 2019

Hemant

By email: fyi-request-11469-222dab7e@requests.fyi.org.nz

Ref: H201909146

Dear Hemant

Response to your request for official information

Thank you for your request of 16 October 2019 under the Official Information Act 1982 (the Act) for information on the measles, mumps and rubella (MMR) vaccine:

- “1) how many people are unvaccinated for measles in New Zealand. Can this please be broken down in*
- 1)a) people that have had 1 but not 2 MMR vaccines*
 - 1)b) people that have not had any MMR Vaccines*
- 2) how many MMR vaccines would be needed for everyone have to have had 2 MMR vaccines?*
- 3) What are the estimate of the number of people that have not had the vaccine that cannot have the vaccine for medical (as opposed to ethical/not wanting it) reasons?”*

Information in response to your request is outlined in Appendix 1 of this letter. Please be advised that this data is sourced from the National Immunisation Register (NIR) for 2006 to 2019 birth cohorts.

It is important to note that the number of declines (see Table 3) refer to both MMR 1 and MMR 2. As such, older birth cohorts would have had multiple opportunities to decline the MMR vaccine and may be counted in the figures more than once. Additional information to assist in interpreting the dataset is also outlined in the appendix.

I trust that 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.

Please note that this response, with your personal details removed, may be published on the Ministry of Health website.

Yours sincerely



Deborah Woodley
Deputy Director-General
Population Health and Prevention

Appendix 1

#	Requested information	Response																																																												
1	<p>How many people are unvaccinated for measles in New Zealand.</p> <p>1)a) people that have had 1 but not 2 MMR vaccines</p> <p>1)b) people that have not had any MMR Vaccines</p>	<p>Table 1. Data on MMR vaccinations between 2006 and 2019</p> <table border="1"> <thead> <tr> <th>Birth Cohort</th> <th>1 MMR dose</th> <th>No MMR</th> <th>Eligible</th> </tr> </thead> <tbody> <tr><td>2019</td><td>1,152</td><td>40,517</td><td>41,677</td></tr> <tr><td>2018</td><td>30,226</td><td>27,246</td><td>59,145</td></tr> <tr><td>2017</td><td>51,551</td><td>3,902</td><td>60,979</td></tr> <tr><td>2016</td><td>51,581</td><td>3,350</td><td>62,505</td></tr> <tr><td>2015</td><td>23,317</td><td>2,771</td><td>63,243</td></tr> <tr><td>2014</td><td>3,623</td><td>2,448</td><td>63,795</td></tr> <tr><td>2013</td><td>2,845</td><td>2,348</td><td>64,281</td></tr> <tr><td>2012</td><td>2,893</td><td>2,331</td><td>67,374</td></tr> <tr><td>2011</td><td>3,225</td><td>2,458</td><td>66,385</td></tr> <tr><td>2010</td><td>4,120</td><td>2,661</td><td>68,511</td></tr> <tr><td>2009</td><td>4,441</td><td>2,750</td><td>68,197</td></tr> <tr><td>2008</td><td>4,431</td><td>3,941</td><td>70,018</td></tr> <tr><td>2007</td><td>4,553</td><td>5,793</td><td>71,661</td></tr> <tr><td>2006</td><td>4,544</td><td>6,139</td><td>68,741</td></tr> </tbody> </table> <p>The New Zealand Immunisation Schedule lists eligibility for first MMR at 15 months and second at four years, which is why there is a large number of individuals with only one dose: https://health.govt.nz/our-work/preventative-health-wellness/immunisation/new-zealand-immunisation-schedule.</p>	Birth Cohort	1 MMR dose	No MMR	Eligible	2019	1,152	40,517	41,677	2018	30,226	27,246	59,145	2017	51,551	3,902	60,979	2016	51,581	3,350	62,505	2015	23,317	2,771	63,243	2014	3,623	2,448	63,795	2013	2,845	2,348	64,281	2012	2,893	2,331	67,374	2011	3,225	2,458	66,385	2010	4,120	2,661	68,511	2009	4,441	2,750	68,197	2008	4,431	3,941	70,018	2007	4,553	5,793	71,661	2006	4,544	6,139	68,741
Birth Cohort	1 MMR dose	No MMR	Eligible																																																											
2019	1,152	40,517	41,677																																																											
2018	30,226	27,246	59,145																																																											
2017	51,551	3,902	60,979																																																											
2016	51,581	3,350	62,505																																																											
2015	23,317	2,771	63,243																																																											
2014	3,623	2,448	63,795																																																											
2013	2,845	2,348	64,281																																																											
2012	2,893	2,331	67,374																																																											
2011	3,225	2,458	66,385																																																											
2010	4,120	2,661	68,511																																																											
2009	4,441	2,750	68,197																																																											
2008	4,431	3,941	70,018																																																											
2007	4,553	5,793	71,661																																																											
2006	4,544	6,139	68,741																																																											
2	<p>How many MMR vaccines would be needed for everyone have to have had 2 MMR vaccines?</p>	<p>Table 2. Number of MMR vaccines required</p> <table border="1"> <thead> <tr> <th>Birth Cohort</th> <th>No MMR</th> <th>Eligible</th> <th>Number of vaccines needed for all to have two doses of MMR</th> </tr> </thead> <tbody> <tr><td>2019</td><td>40,517</td><td>41,677</td><td>82,186</td></tr> <tr><td>2018</td><td>27,246</td><td>59,145</td><td>84,718</td></tr> <tr><td>2017</td><td>3,902</td><td>60,979</td><td>59,355</td></tr> <tr><td>2016</td><td>3,350</td><td>62,505</td><td>58,281</td></tr> <tr><td>2015</td><td>2,771</td><td>63,243</td><td>28,859</td></tr> <tr><td>2014</td><td>2,448</td><td>63,795</td><td>8,519</td></tr> </tbody> </table>	Birth Cohort	No MMR	Eligible	Number of vaccines needed for all to have two doses of MMR	2019	40,517	41,677	82,186	2018	27,246	59,145	84,718	2017	3,902	60,979	59,355	2016	3,350	62,505	58,281	2015	2,771	63,243	28,859	2014	2,448	63,795	8,519																																
Birth Cohort	No MMR	Eligible	Number of vaccines needed for all to have two doses of MMR																																																											
2019	40,517	41,677	82,186																																																											
2018	27,246	59,145	84,718																																																											
2017	3,902	60,979	59,355																																																											
2016	3,350	62,505	58,281																																																											
2015	2,771	63,243	28,859																																																											
2014	2,448	63,795	8,519																																																											

		Birth Cohort	No MMR	Eligible	Number of vaccines needed for all to have two doses of MMR
		2013	2,348	64,281	7,541
		2012	2,331	67,374	7,555
		2011	2,458	66,385	8,141
		2010	2,661	68,511	9,442
		2009	2,750	68,197	9,941
		2008	3,941	70,018	12,313
		2007	5,793	71,661	16,139
		2006	6,139	68,741	16,822
		Total			409,812

3	What are the estimate of the number of people that have not had the vaccine that cannot have the vaccine for medical (as opposed to ethical/not wanting it) reasons?	Table 3. Number of unvaccinated people			
		Birth Cohort	Declined Naturally Immune or Permanent Contraindications	Declined Any Reason	Eligible
		2019	0	162	41,677
		2018	10	1,363	59,145
		2017	20	2,893	60,979
		2016	25	3,036	62,505
		2015	36	2,792	63,243
		2014	46	3,306	63,795
		2013	58	3,289	64,281
		2012	54	3,323	67,374
		2011	59	3,381	66,385
		2010	44	3,424	68,511
		2009	86	3,770	68,197
		2008	66	4,064	70,018
		2007	76	4,359	71,661
		2006	94	4,066	68,741

- Notes:
1. Date of birth is based on the individual's National Health Index (NHI)
 2. The number of records for MMR doses in the NIR was used to determine vaccination coverage
 3. The number of people who are eligible is based on enrolment on the NIR
 4. Individuals who have been recorded as having left New Zealand or have died are excluded from this data
 5. The number of declines (see Table 3) refer to both MMR 1 and MMR 2, therefore older birth cohorts have had multiple opportunities to decline the vaccine and may be counted in the figures more than once
 6. This data was extracted on 27 September 2019