

Office of the Director of Mental Health

1 The Terrace
PO Box 5013
Wellington 6145
New Zealand
Phone (04) 496 2213
Fax (04) 496 2559
www.health.govt.nz

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Tania Williams
fyi-request-2112-245b22b3@requests.fyi.org.nz
tania@tekopuchambers.co.nz

Tena koe Tania

Thank you for your email of 20 October 2014 requesting the number of people subject to compulsory treatment under the Mental Health (Compulsory Assessment and Treatment) Act 1992 (the Mental Health Act). We are happy to provide this information to you in accordance with the Official Information Act 1982.

As requested, this information has been provided for the years 2011, 2012, and 2013 by Māori and non-Māori, and district health board (DHB).

In addition, graphs of the rate-ratio between Māori and non-Māori for 2011, 2012 and 2013 have been provided to give greater context to DHB comparisons. The 99 percent confidence intervals assist to make allowances for the different sized DHB populations.

It is important to note that these figures do not account for the different demographic structures of DHB populations. To do this, the rates per 100,000 for each DHB would need to be age-standardized. This is a project we intend to undertake in early 2015.

I appreciate your interest in this issue. Reducing the disparity of Māori mental health outcomes is a priority for the Ministry. Analysing the data is a good step towards gaining a better understanding of Māori over-representation under the Mental Health Act. It is my hope that sharing this information will further underline the need for the mental health sector to engage in meaningful action to address the disparity of mental health outcomes for Māori in New Zealand.

Please find the information you requested enclosed below.

Yours sincerely



Arran Culver
Deputy Director of Mental Health

Official Information Act Request

Number of people subject to compulsory assessment and treatment under the Mental Health (Compulsory Assessment and Treatment) Act 1992

Table 1: Number and rate per 100,000 of people subject to the Mental Health Act in New Zealand as at 31 December for 2011, 2012, 2013, Māori and non-Māori

Period	Māori		non-Māori		Total		Rate ratio
	Number	Rate	Number	Rate	Number	Rate	
As at 31 December 2011	1552	232	2986	80	4538	103	2.9:1
As at 31 December 2012	1616	239	3198	85	4814	109	2.8:1
As at 31 December 2013	1679	246	3264	86	4943	111	2.9:1

Source: PRIMHD, extracted 4 November 2014

Notes: Includes people subject to both compulsory assessment (sections 11, 13, 14(4), 15(1) and 15(2)), and compulsory treatment (sections 29, 30 and 31).

Data quality concerns have been identified with PRIMHD Mental Health Act data. The numbers and rates presented in the table above are likely to be inflated due to some DHBs not closing off completed assessments and treatment orders in their Patient Management Systems. Despite this inflation, the rate ratio of Māori to non-Māori should remain a stable indicator of the disparity between the two groups.

The rate ratio represents Māori rate per 100,000 (of the Māori population), to non-Māori rate per 100,000 (of the non-Māori population).

Table 2: Number and rate per 100,000 of people subject to the Mental Health Act by DHB during 2011, Māori and non-Māori

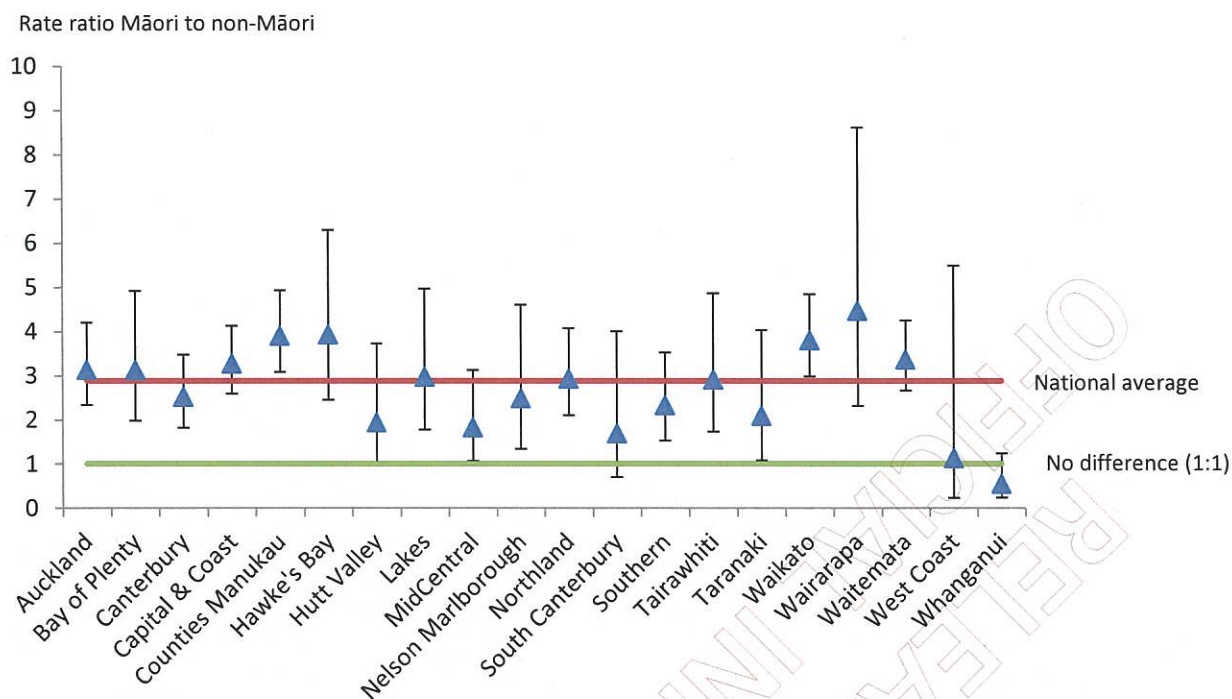
DHB	Māori		Non-Māori		Rate ratio
	Number	Rate	Number	Rate	
Auckland	97	270	368	87	3.1 :1
Bay of Plenty	65	124	63	40	3.1 :1
Canterbury	78	192	344	74	2.6 :1
Capital & Coast	173	536	426	162	3.3 :1
Counties Manukau	211	258	277	66	3.9 :1
Hawke's Bay	70	179	52	45	4.0 :1
Hutt	22	88	53	44	2.0 :1
Lakes	65	183	41	61	3.0 :1
MidCentral	33	105	77	56	1.9 :1
Nelson Marlborough	22	168	84	66	2.5 :1
Northland	146	287	104	97	3.0 :1
South Canterbury	10	255	77	147	1.7 :1
Southern	47	173	204	73	2.4 :1
Tairāwhiti	93	414	34	141	2.9 :1
Taranaki	22	118	50	55	2.1 :1
Waikato	231	290	217	75	3.9 :1
Wairarapa	28	449	34	99	4.5 :1
Waitemata	166	313	458	93	3.4 :1
West Coast	3	90	23	78	1.2 :1
Whanganui	12	74	62	132	0.6 :1
NZ	1,552	232	2,986	80	2.9:1

Source: PRIMHD, extracted 4 November 2014

Notes: Includes people subject to both compulsory assessment (sections 11, 13, 14(4), 15(1) and 15(2)), and compulsory treatment (sections 29, 30 and 31).

Data quality concerns have been identified with PRIMHD Mental Health Act data. The numbers and rates presented in the table above are likely to be inflated due to some DHBs not closing off completed assessments and treatment orders in their Patient Management Systems. Despite this inflation, the rate ratio of Māori to non-Māori should remain a stable indicator of the disparity between the two groups.

Figure 1: The rate ratio of Māori to non-Māori under the Mental Health Act, by DHB, 1 January to 31 December 2011



Source: PRIMHD, extracted 4 November 2014

Notes: New Zealand total is a unique client count – it is not a sum of the DHB figures. Some clients were under the Mental Health Act at more than one DHB.

While some data quality concerns have been identified for PRIMHD data, the ethnicity rate ratio of the data set remains stable.

Confidence intervals (for 99 percent confidence) have been used to aid interpretation. Where a DHB region's confidence interval crosses the national average, this means the DHB's rate was not statistically significantly different to the national average.

Table 3: Number and rate per 100,000 of people subject to the Mental Health Act by DHB during 2012, Māori and non-Māori

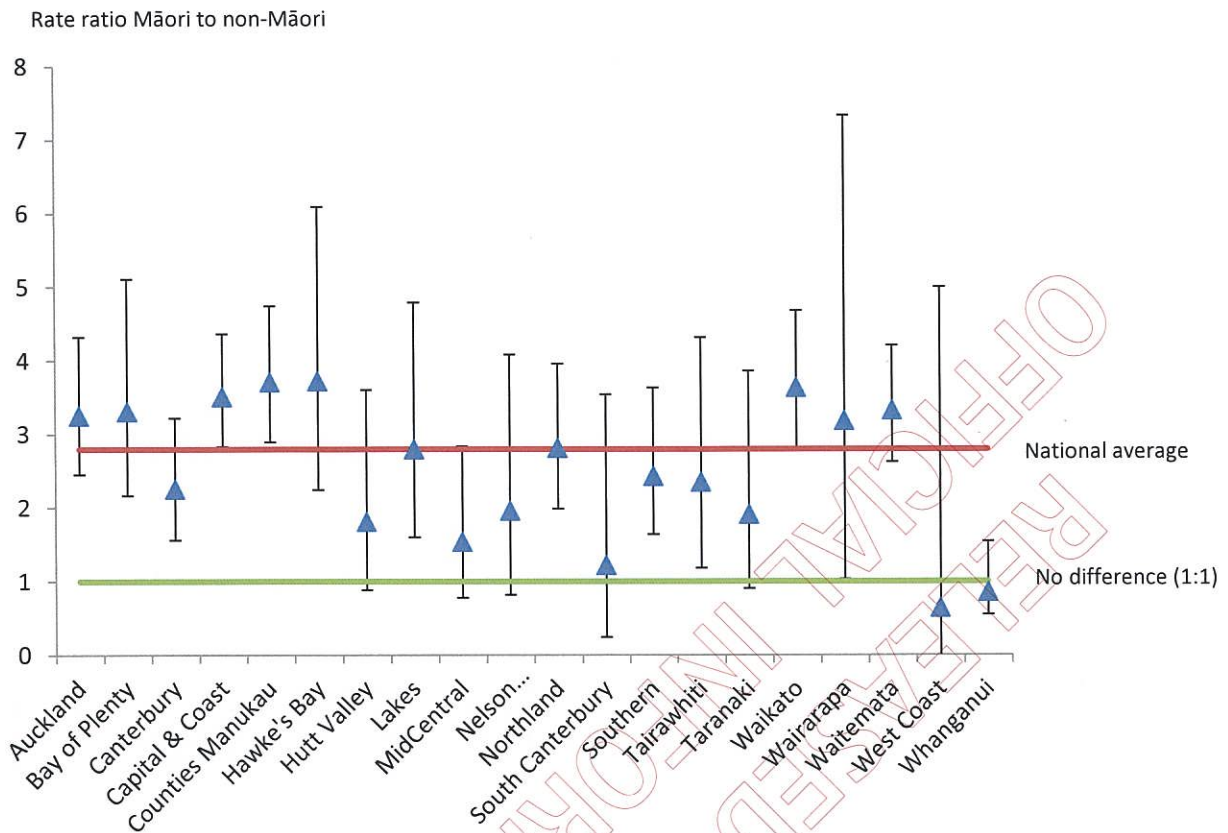
DHB	Māori		Non-Māori		Rate ratio
	Number	Rate	Number	Rate	
Auckland	104	288	380	89	3.2 :1
Bay of Plenty	70	133	64	40	3.3 :1
Canterbury	71	172	349	75	2.3 :1
Capital & Coast	183	561	420	159	3.5 :1
Counties Manukau	195	236	269	64	3.7 :1
Hawke's Bay	74	187	58	50	3.8 :1
Hutt	38	150	98	82	1.8 :1
Lakes	76	213	51	76	2.8 :1
MidCentral	31	97	86	63	1.6 :1
Nelson Marlborough	19	143	92	72	2.0 :1
Northland	182	355	135	125	2.8 :1
South Canterbury	8	202	85	162	1.2 :1
Southern	55	200	228	81	2.5 :1
Tairāwhiti	82	364	37	154	2.4 :1
Taranaki	23	122	57	63	1.9 :1
Waikato	222	276	218	75	3.7 :1
Wairarapa	27	431	46	134	3.2 :1
Waitemata	177	330	494	99	3.3 :1
West Coast	2	59	27	91	0.6 :1
Whanganui	18	111	60	128	0.9 :1
NZ	1,616	239	3,198	85	2.8 :1

Source: PRIMHD, extracted 4 November 2014

Notes: Includes people subject to both compulsory assessment (sections 11, 13, 14(4), 15(1) and 15(2)), and compulsory treatment (sections 29, 30 and 31).

Data quality concerns have been identified with PRIMHD Mental Health Act data. The numbers and rates presented in the table above are likely to be inflated due to some DHBs not closing off completed assessments and treatment orders in their Patient Management Systems. Despite this inflation, the rate ratio of Māori to non-Māori should remain a stable indicator of the disparity between the two groups.

Figure 2: The rate ratio of Māori to non-Māori under the Mental Health Act, by DHB, 1 January to 31 December 2012



Source: PRIMHD, extracted 4 November 2014

Notes: New Zealand total is a unique client count – it is not a sum of the DHB figures. Some clients were under the Mental Health Act at more than one DHB.

While some data quality concerns have been identified for PRIMHD data, the ethnicity rate ratio of the data set remains stable.

Confidence intervals (for 99 percent confidence) have been used to aid interpretation. Where a DHB region's confidence interval crosses the national average, this means the DHB's rate was not statistically significantly different to the national average.

Table 4: Number and rate per 100,000 of people subject to the Mental Health Act by DHB during 2013, Māori and non-Māori

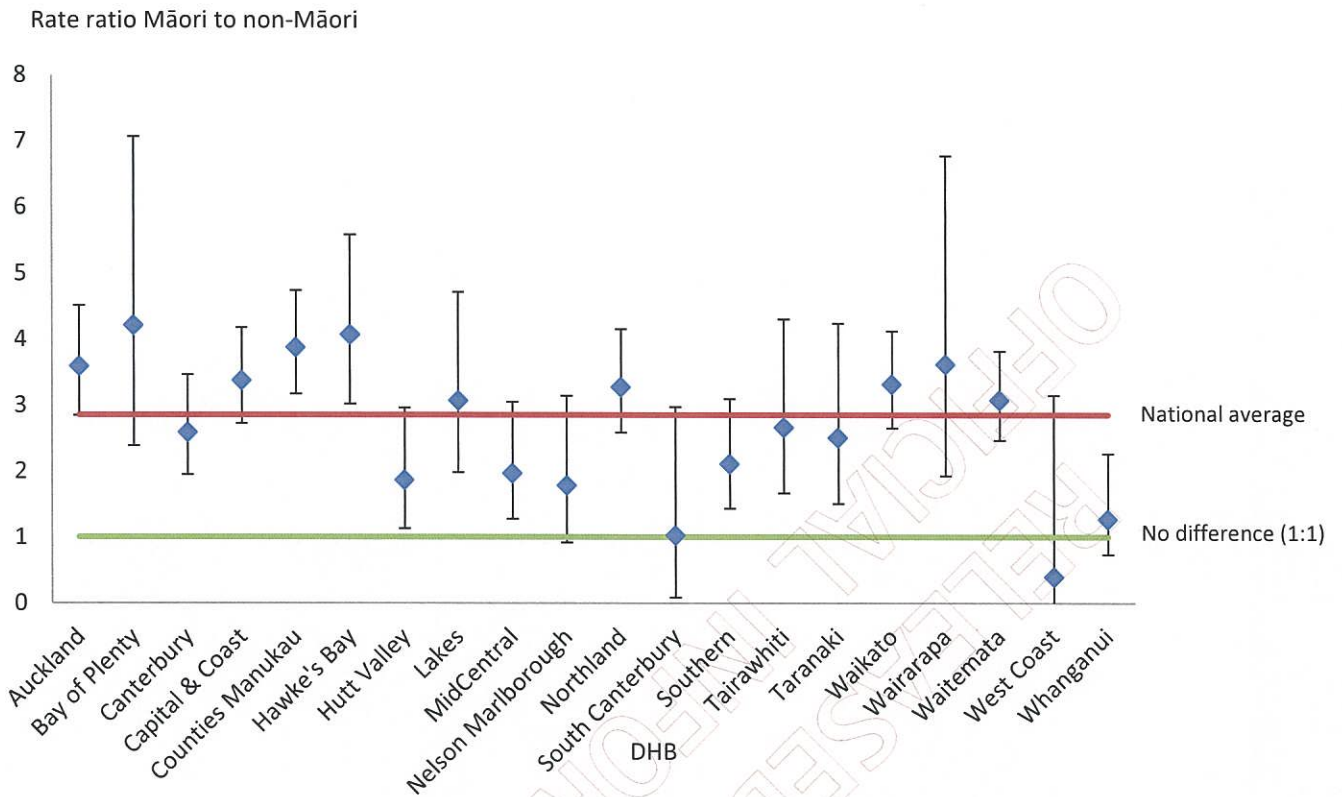
DHB	Māori		Non-Māori		Rate ratio
	Number	Rate	Number	Rate	
Auckland	127	351	421	98	3.6 :1
Bay of Plenty	82	154	59	37	4.2 :1
Canterbury	78	186	335	72	2.6 :1
Capital & Coast	188	570	449	169	3.4 :1
Counties Manukau	192	229	254	59	3.9 :1
Hawke's Bay	71	178	51	44	4.1 :1
Hutt	55	215	138	116	1.9 :1
Lakes	85	237	52	77	3.1 :1
MidCentral	35	109	76	55	2.0 :1
Nelson Marlborough	18	134	96	75	1.8 :1
Northland	207	401	132	122	3.3 :1
South Canterbury	7	173	89	169	1.0 :1
Southern	47	169	225	80	2.1 :1
Tairāwhiti	75	331	30	125	2.7 :1
Taranaki	29	151	55	60	2.5 :1
Waikato	219	269	236	81	3.3 :1
Wairarapa	28	442	42	122	3.6 :1
Waitemata	172	316	520	103	3.1 :1
West Coast	1	29	22	74	0.4 :1
Whanganui	20	122	45	97	1.3 :1
NZ	1,679	246	3,264	86	2.9 :1

Source: PRIMHD, extracted 4 November 2014

Notes: Includes people subject to both compulsory assessment (sections 11, 13, 14(4), 15(1) and 15(2)), and compulsory treatment (sections 29, 30 and 31).

Data quality concerns have been identified with PRIMHD Mental Health Act data. The numbers and rates presented in the table above are likely to be inflated due to some DHBs not closing off completed treatment orders or assessments in their Patient Management Systems. Despite this inflation, the rate ratio of Māori to non-Māori should remain a stable indicator of the disparity between the two groups with regards to the Mental Health Act.

Figure 3: The rate ratio of Māori to non-Māori under the Mental Health Act, by DHB, 1 January to 31 December 2013



Source: PRIMHD, extracted 4 November 2014

Notes: New Zealand total is a unique client count – it is not a sum of the DHB figures. Some clients were under the Mental Health Act at more than one DHB.

While some data quality concerns have been identified for PRIMHD data, the ethnicity rate ratio of the data set remains stable.

Confidence intervals (for 99 percent confidence) have been used to aid interpretation. Where a DHB region's confidence interval crosses the national average, this means the DHB's rate was not statistically significantly different to the national average.