NCSP New Zealand All District Health Board Coverage Report

For the period ending
30 June 2017

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Introduction

Well-organised cervical cancer screening programmes can significantly reduce the incidence and mortality of the disease. The National Cervical Screening Programme (NCSP) was established in New Zealand in 1990, and since that time, the number of women who develop cervical cancer, and the number of women who die from it, has reduced by 60 percent. Having regular cervical smear tests continues to be a woman's best protection against the development of invasive cervical cancer.

One of the main performance measures of NCSP is coverage. Coverage is defined as the proportion of women eligible for screening who have been screened in the previous three years. Our target is to reach 80 percent screening coverage for all eligible women. While we have met this target nationally for European/ Other women, coverage rates for Maori, and Asian women remain at under 70 percent.

The incidence of cervical cancer among Māori, Pacific and Asian women remains higher than that among European/Other ethnicities. One of the primary reasons for this is lower rates of screening coverage among these groups.

This NCSP District Health Board Coverage Report is intended to support those working in increasing coverage and improving equity in cervical screening. Tihei mauri ora!

Technical notes

The data for the period ending 30 June 2017 was extracted from the Ministry of Health NCSP Datamart on 25 July 2017.

Screened women (the 'numerator') are included in the coverage calculations based on their age at the end of the monitoring period. This means that coverage for women aged 25-69 years includes women who were aged 22, 23 or 24 at the start of the monitoring period. Since February 2016 the ethnicity and domicile of a screened woman is that recorded on the Ministry of Health's National Health Index (NHI). Prior to this date, demographic information was obtained from the NCSP Register. The impact of this change can be found in the comparison document re: December 2015 coverage: https://www.nsu.govt.nz/health-professionals/national-cervical-screening-programme/cervical-screening-coverage

Any time series data produced from February 2016 will use demographic information from the NHI across all time periods.

For both women screened and in the denominator, women have been prioritised to a single ethnicity using the following priority order: Māori, Pacific, Asian, European/Other. This means that if a woman chooses more than one category, and one of these is Māori, she is counted as Māori. The ethnicity recorded on the Ministry of Health's National Health Index has been used for any screened woman with no ethnicity recorded on the Register.

The denominators used for calculating coverage are derived from Statistics New Zealand's District Health Board (DHB) population projections 30 June 2015 update based on the 2013 Census. The population projections have been adjusted for the prevalence of hysterectomy.

Additional detail on the methodology can be obtained via a request made to screening@moh.govt.nz.

All coverage

All coverage by ethnicity in the three years ending 30 June 2017

Figure 1: NCSP coverage (%) in the three years ending 30 June 2017 by ethnicity, women aged 25–69 years, Total Coverage

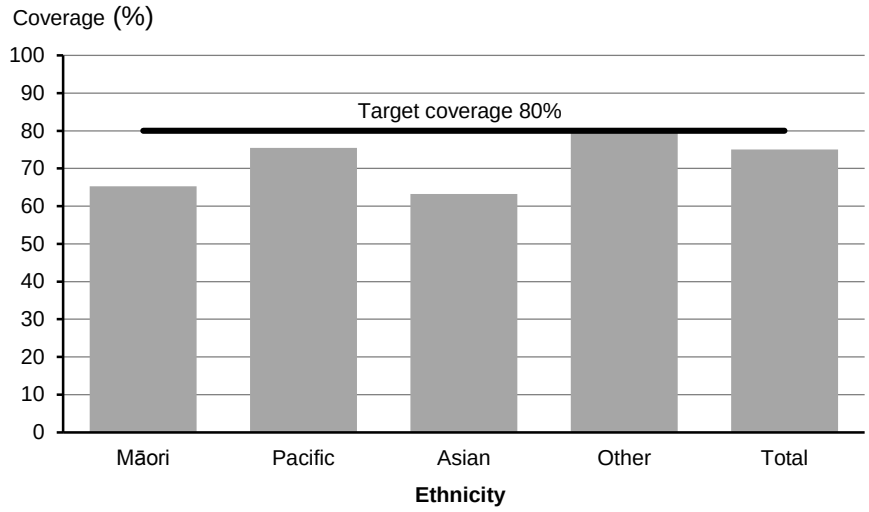


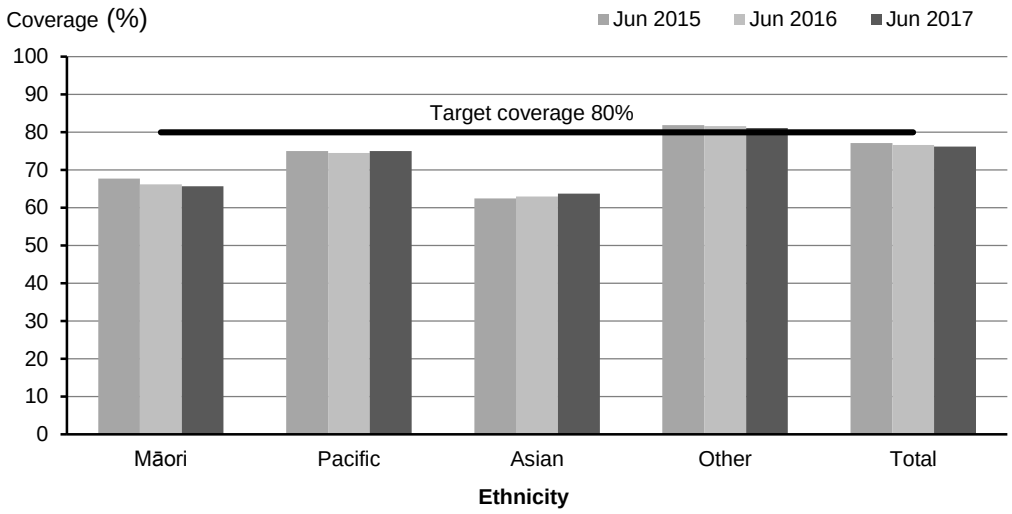
Table 1: NCSP coverage (%) in the three years ending 30 June 2017 by ethnicity, women aged 25–69 years, Total Coverage

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach target*
Māori	165,686	108,153	65.30%	24,395
Pacific	68,651	51,865	75.50%	3,055
Asian	194,322	122,767	63.20%	32,690
Other	802,450	640,024	79.80%	1,936
Total	**1,231,109**	**922,809**	**75.00%**	**62,078**

**For the total population the number of additional screens is the number required to move from the total population coverage to 80%. This may not be the same as the sum of additional screens required for each ethnic group to reach 80%.*

All coverage trends by ethnicity

Figure 2: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2017 by ethnicity, Total Coverage



DHB coverage comparisons

DHB coverage by ethnicity in the three years ending 30 June 2017

Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 30 June 2017 by District Health Board

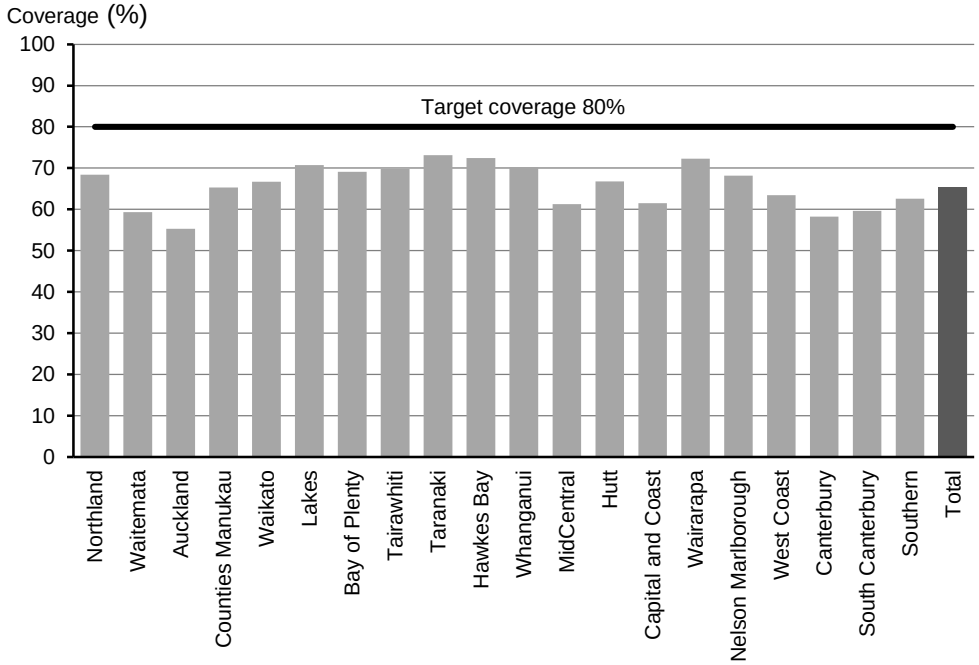


Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 30 June 2017 by District Health Board

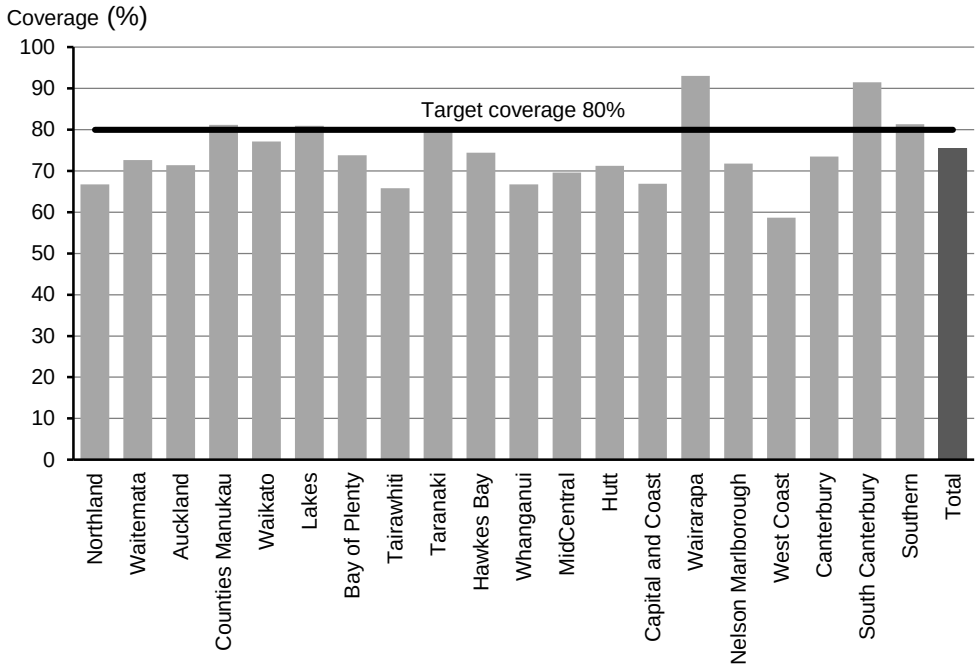


Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 June 2017 by District Health Board

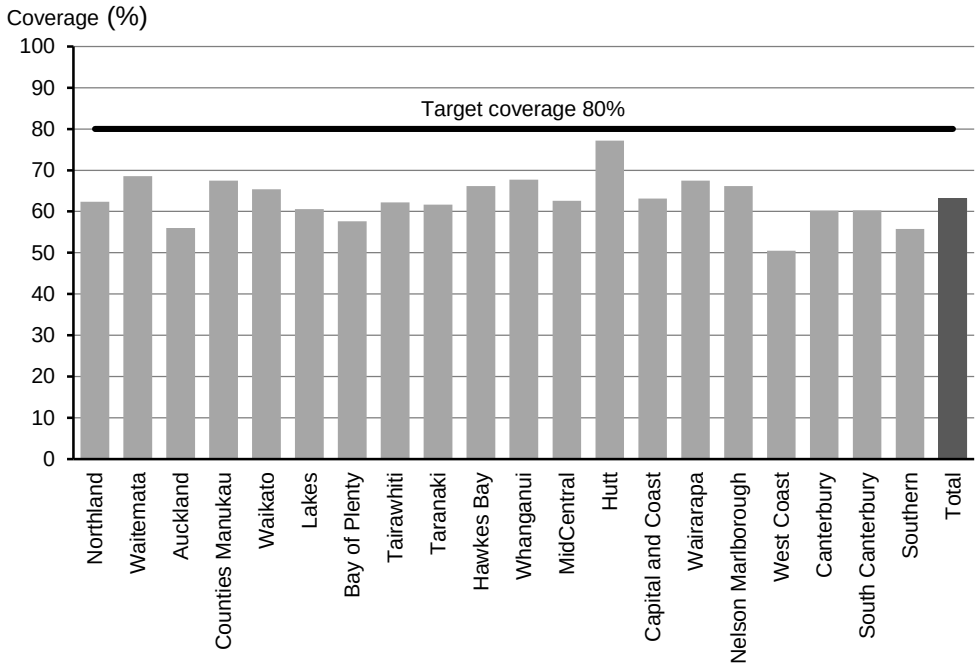


Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2017 by District Health Board

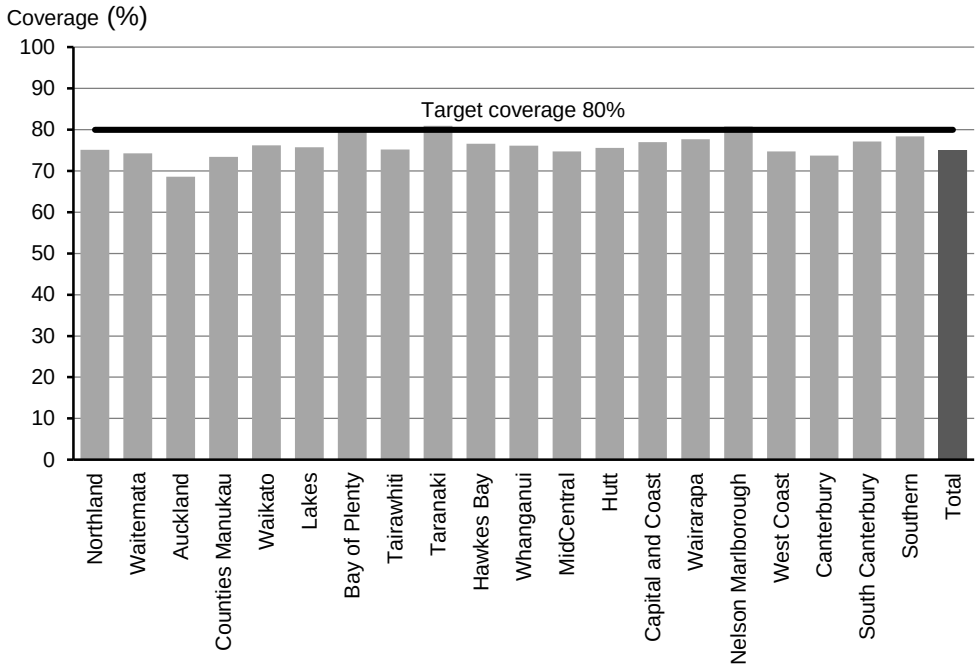


Figure 7: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 30 June 2017

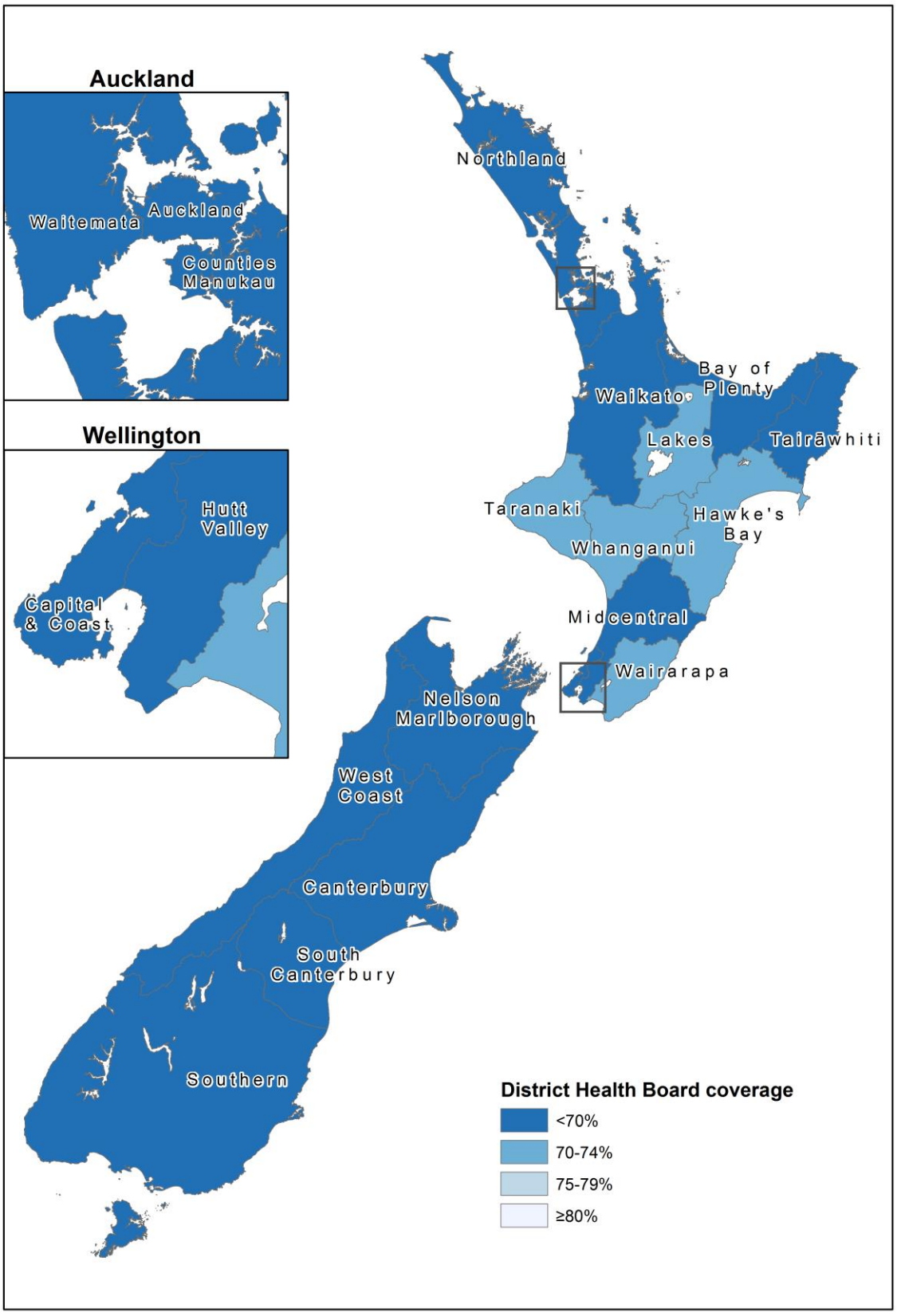


Figure 8: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 30 June 2017

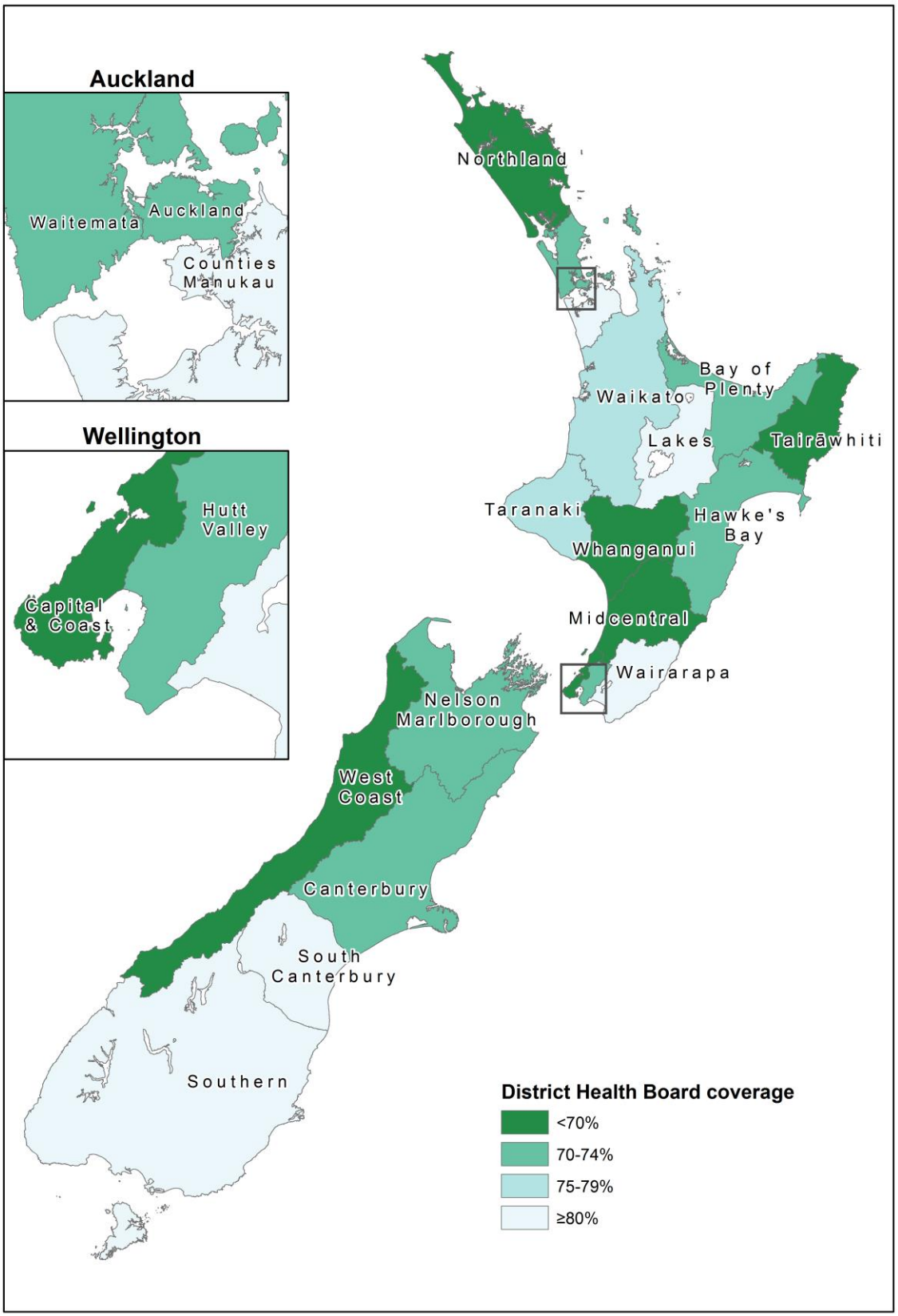


Figure 9: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 June 2017 by District Health Board

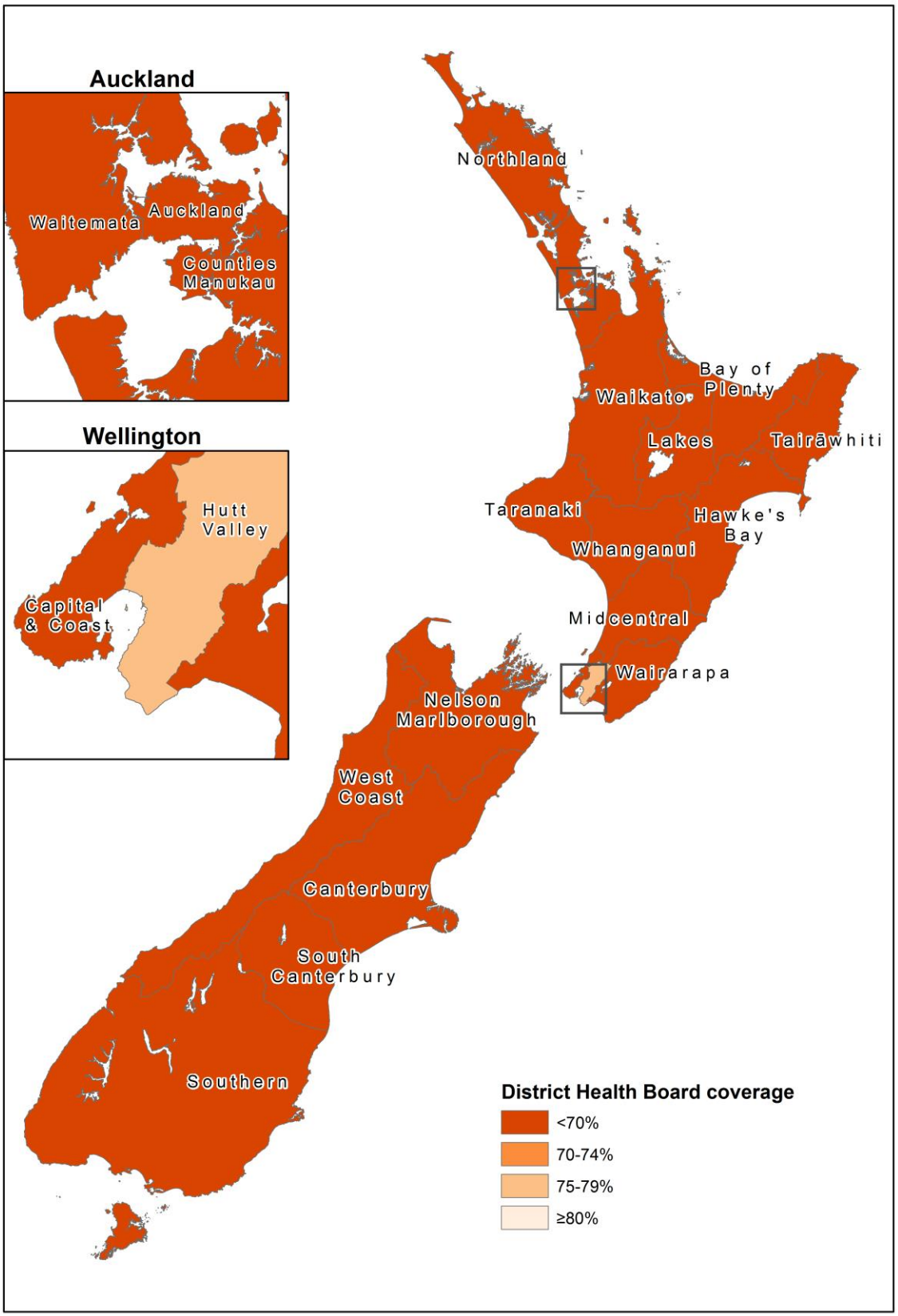


Figure 10: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2017 by District Health Board

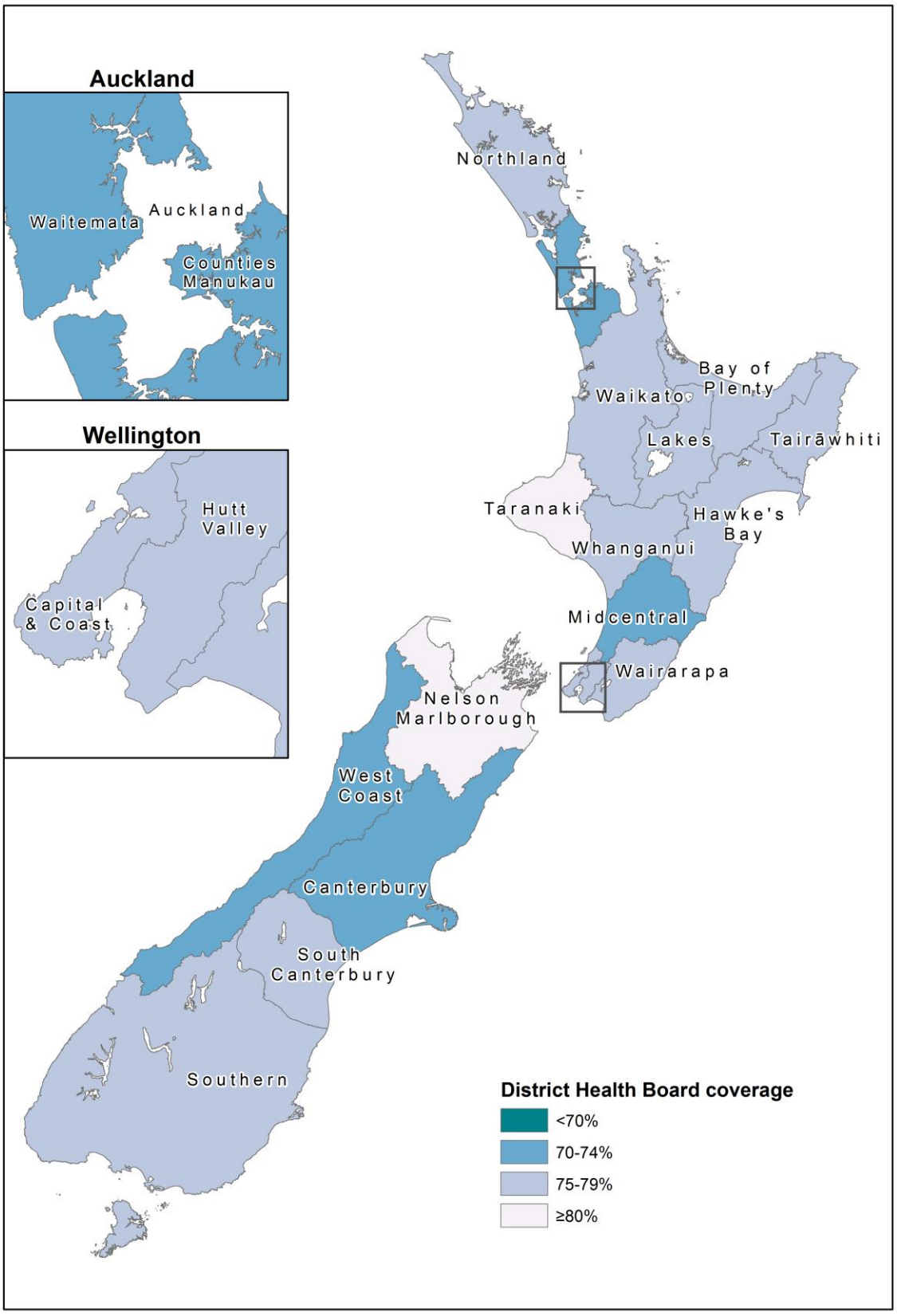


Table 2: NCSP number of screens and coverage (%) in women aged 25–69 years in the three years ending 30 June 2017 by District Health Board

DHB	Eligible Population					Screens					Coverage				
	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total
Northland	13,179	717	1,892	27,067	42,855	9,005	478	1,181	21,544	32,208	68.3%	66.7%	62.4%	79.6%	75.2%
Waitemata	13,240	9,737	38,407	99,625	161,009	7,848	7,067	26,345	78,415	119,675	59.3%	72.6%	68.6%	78.7%	74.3%
Auckland	10,289	13,044	49,926	73,810	147,069	5,692	9,309	27,942	57,920	100,863	55.3%	71.4%	56.0%	78.5%	68.6%
Counties Manukau	19,466	25,916	39,141	54,577	139,100	12,721	21,055	26,443	41,949	102,168	65.3%	81.2%	67.6%	76.9%	73.4%
Waikato	20,111	2,510	10,086	68,321	101,028	13,411	1,937	6,593	54,995	76,936	66.7%	77.2%	65.4%	80.5%	76.2%
Lakes	8,518	545	2,024	16,114	27,201	6,023	440	1,225	12,901	20,589	70.7%	80.7%	60.5%	80.1%	75.7%
Bay of Plenty	12,667	827	4,257	40,370	58,121	8,752	610	2,453	34,491	46,306	69.1%	73.8%	57.6%	85.4%	79.7%
Tairawhiti	5,637	240	347	5,681	11,905	3,937	158	216	4,638	8,949	69.8%	65.8%	62.2%	81.6%	75.2%
Taranaki	4,619	281	1,576	23,308	29,784	3,380	224	973	19,515	24,092	73.2%	79.7%	61.7%	83.7%	80.9%
Hawkes Bay	9,254	1,135	2,049	28,232	40,670	6,703	844	1,356	22,265	31,168	72.4%	74.4%	66.2%	78.9%	76.6%
Whanganui	3,692	309	548	10,814	15,363	2,594	206	371	8,518	11,689	70.3%	66.7%	67.7%	78.8%	76.1%
MidCentral	7,379	974	3,429	31,368	43,150	4,522	679	2,148	24,899	32,248	61.3%	69.7%	62.6%	79.4%	74.7%
Hutt	5,643	2,585	4,733	25,624	38,585	3,767	1,840	3,655	19,901	29,163	66.8%	71.2%	77.2%	77.7%	75.6%
Capital and Coast	8,216	5,048	12,688	56,759	82,711	5,054	3,380	8,011	47,228	63,673	61.5%	67.0%	63.1%	83.2%	77.0%
Wairarapa	1,635	157	360	8,884	11,036	1,184	146	243	7,003	8,576	72.4%	93.0%	67.5%	78.8%	77.7%
Nelson Marlborough	3,309	458	1,868	32,557	38,192	2,255	329	1,237	27,057	30,878	68.1%	71.8%	66.2%	83.1%	80.8%
West Coast	887	92	378	7,062	8,419	562	54	191	5,489	6,296	63.4%	58.7%	50.5%	77.7%	74.8%
Canterbury	10,307	2,791	14,837	112,108	140,043	5,993	2,052	8,936	86,200	103,181	58.1%	73.5%	60.2%	76.9%	73.7%
South Canterbury	1,040	118	625	13,177	14,960	620	108	377	10,436	11,541	59.6%	91.5%	60.3%	79.2%	77.1%
Southern	6,598	1,167	5,151	66,992	79,908	4,130	949	2,871	54,660	62,610	62.6%	81.3%	55.7%	81.6%	78.4%
Total	**165,686**	**68,651**	**194,322**	**802,450**	**1,231,109**	**108,153**	**51,865**	**122,767**	**640,024**	**922,809**	**65.3%**	**75.5%**	**63.2%**	**79.8%**	**75.0%**

DHB coverage comparison trends by ethnicity

Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June, 2015, 2016, 2017, by ethnicity and District Health Board

DHB	Māori			Pacific			Asian			Other		
	June 2015	June 2016	June 2017	June 2015	June 2016	June 2017	June 2015	June 2016	June 2017	June 2015	June 2016	June 2017
Northland	69.6%	69.3%	68.3%	63.7%	65.8%	66.7%	62.0%	59.5%	62.4%	83.1%	81.7%	79.6%
Waitemata	60.4%	60.5%	59.3%	75.9%	75.7%	72.6%	70.0%	69.7%	68.6%	80.6%	80.3%	78.7%
Auckland	55.0%	56.0%	55.3%	71.0%	73.0%	71.4%	58.7%	57.4%	56.0%	77.9%	78.4%	78.5%
Counties Manukau	63.5%	66.3%	65.3%	79.6%	83.7%	81.2%	67.6%	68.2%	67.6%	77.9%	77.8%	76.9%
Waikato	65.7%	67.2%	66.7%	78.7%	79.1%	77.2%	63.2%	63.5%	65.4%	82.0%	81.1%	80.5%
Lakes	70.6%	71.2%	70.7%	74.5%	79.5%	80.7%	56.9%	59.9%	60.5%	82.1%	81.5%	80.1%
Bay of Plenty	70.5%	70.4%	69.1%	75.9%	73.0%	73.8%	60.6%	58.4%	57.6%	88.7%	87.6%	85.4%
Tairawhiti	68.4%	68.6%	69.8%	59.8%	62.7%	65.8%	60.8%	58.2%	62.2%	80.2%	81.8%	81.6%
Taranaki	73.9%	73.3%	73.2%	75.5%	73.2%	79.7%	62.2%	61.1%	61.7%	84.9%	84.7%	83.7%
Hawkes Bay	74.5%	74.4%	72.4%	70.4%	75.0%	74.4%	65.0%	64.3%	66.2%	81.2%	80.7%	78.9%
Whanganui	69.7%	71.2%	70.3%	66.8%	63.8%	66.7%	66.0%	69.7%	67.7%	80.9%	81.5%	78.8%
MidCentral	63.3%	63.4%	61.3%	68.6%	71.5%	69.7%	61.2%	60.8%	62.6%	80.9%	79.9%	79.4%
Hutt	67.4%	68.6%	66.8%	72.1%	73.2%	71.2%	75.6%	77.0%	77.2%	79.4%	78.7%	77.7%
Capital and Coast	62.3%	63.1%	61.5%	67.7%	67.8%	67.0%	63.6%	64.2%	63.1%	82.5%	83.1%	83.2%
Wairarapa	71.1%	71.4%	72.4%	81.9%	82.8%	93.0%	68.6%	65.9%	67.5%	82.4%	80.9%	78.8%
Nelson Marlborough	68.2%	68.7%	68.1%	66.4%	69.8%	71.8%	63.0%	64.4%	66.2%	85.1%	84.7%	83.1%
West Coast	62.3%	64.7%	63.4%	52.9%	58.2%	58.7%	45.7%	48.9%	50.5%	78.2%	79.0%	77.7%
Canterbury	61.4%	59.5%	58.1%	72.3%	72.3%	73.5%	56.2%	57.8%	60.2%	78.5%	78.1%	76.9%
South Canterbury	61.7%	60.9%	59.6%	79.2%	87.8%	91.5%	56.7%	55.0%	60.3%	79.5%	80.1%	79.2%
Southern	63.1%	63.4%	62.6%	78.6%	78.2%	81.3%	53.8%	54.4%	55.7%	82.0%	81.3%	81.6%
Total	**65.7%**	**66.3%**	**65.3%**	**75.1%**	**77.2%**	**75.5%**	**63.7%**	**63.6%**	**63.2%**	**81.1%**	**80.7%**	**79.8%**