



NCSP New Zealand Northland District Health Board Coverage Report

For the period ending
30 September 2016

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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 September 2016 was extracted from the Ministry of Health NCSP Datamart on 13 October 2016.

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.

Northland coverage

Northland coverage by ethnicity in the three years ending 30 September 2016

Figure 1: NCSP coverage (%) in the three years ending 30 September 2016 by ethnicity, women aged 25–69 years, Total Coverage

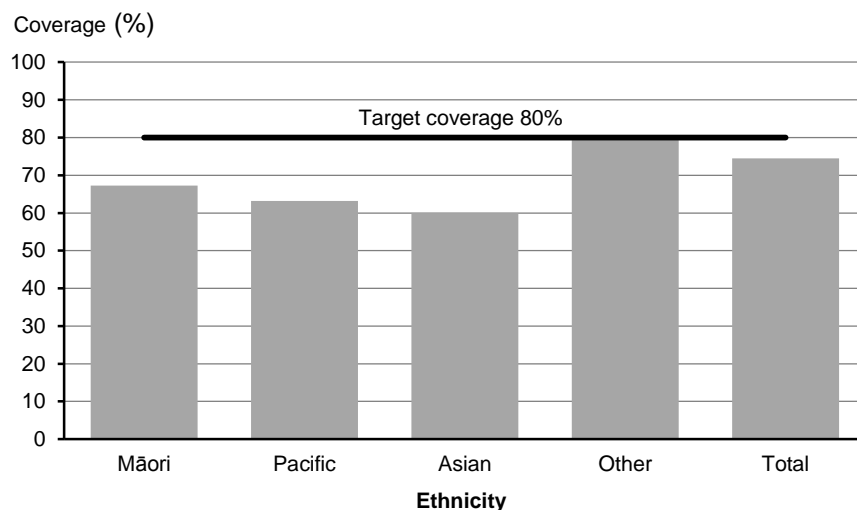


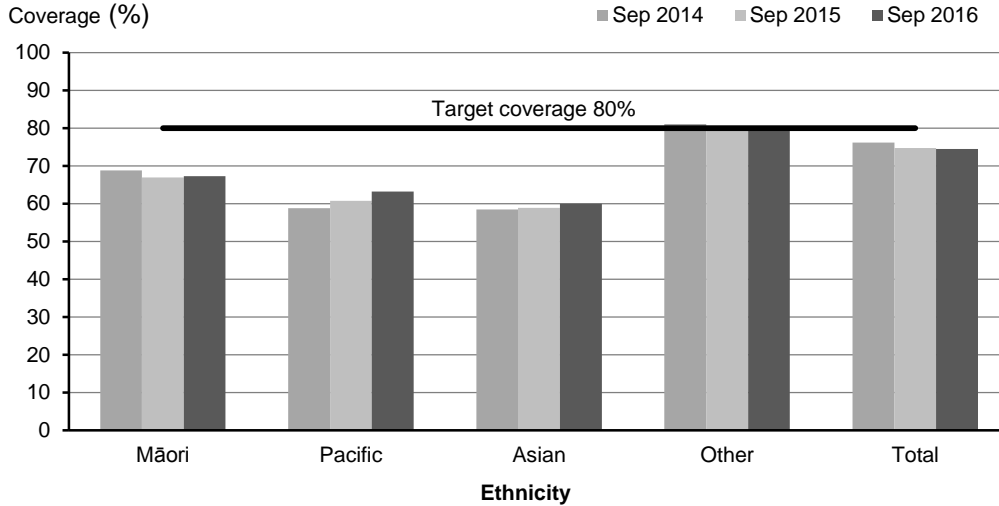
Table 1: NCSP coverage (%) in the three years ending 30 September 2016 by ethnicity, women aged 25–69 years, Total Coverage

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach target*
Māori	12,919	8,697	67.30%	1,638
Pacific	692	437	63.20%	116
Asian	1,744	1,046	60.00%	349
Other	26,563	21,054	79.30%	196
Total	41,918	31,234	74.50%	2,300

*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%.

Northland coverage trends by ethnicity

Figure 2: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 September 2016 by ethnicity, Total Coverage



DHB coverage comparisons

DHB coverage by ethnicity in the three years ending 30 September 2016

Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 30 September 2016 by District Health Board

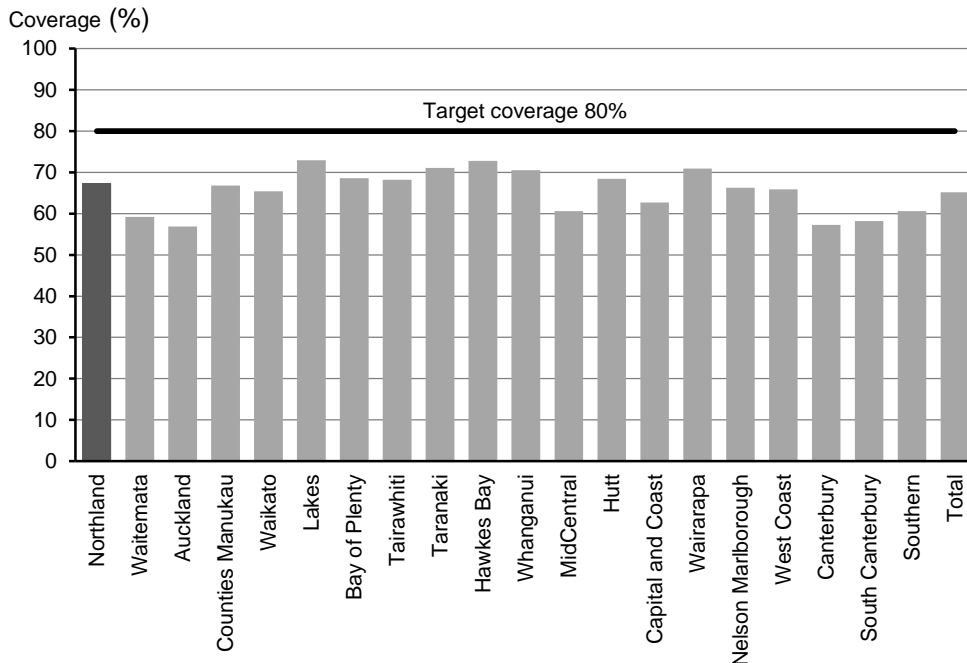


Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 30 September 2016 by District Health Board

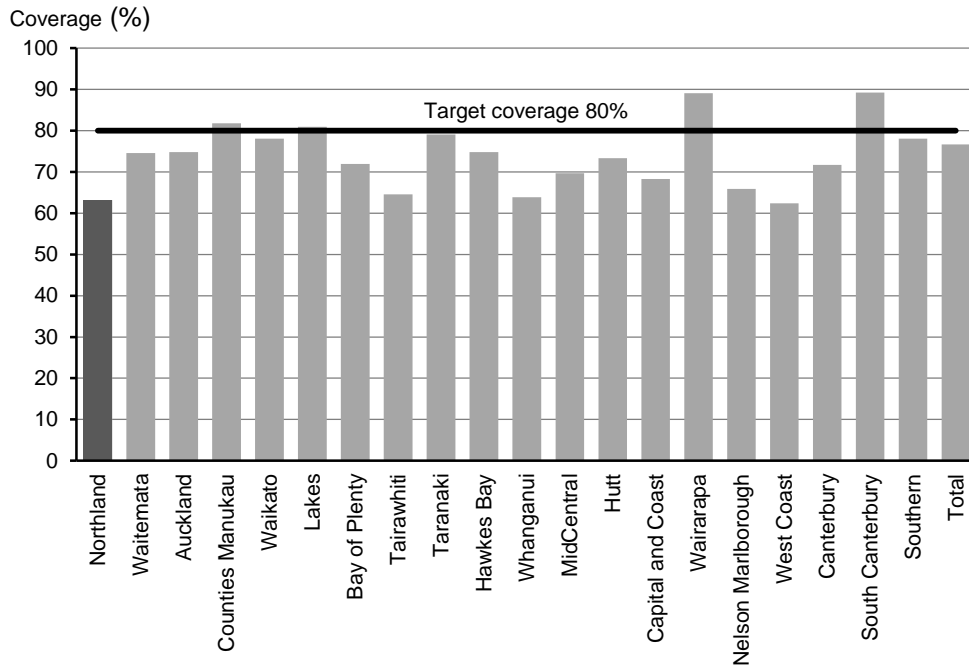


Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 September 2016 by District Health Board

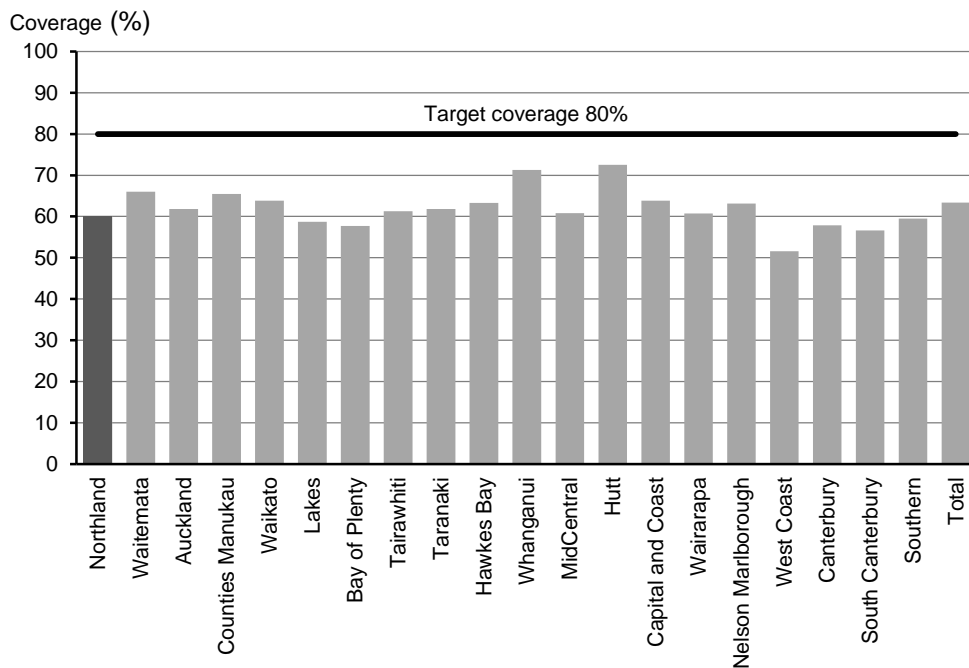


Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 September 2016 by District Health Board

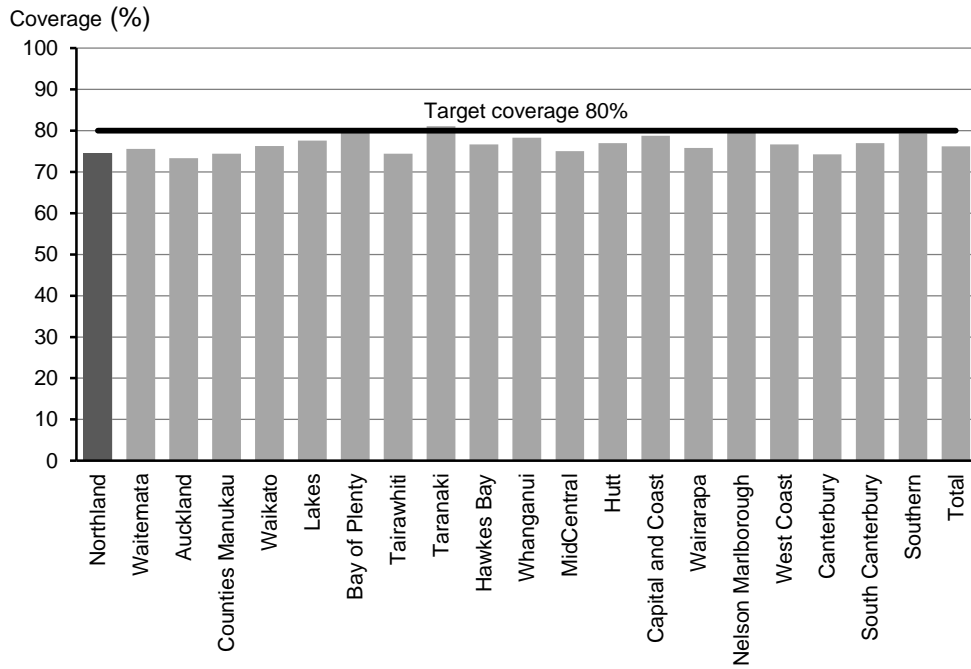


Figure 7: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 30 September 2016

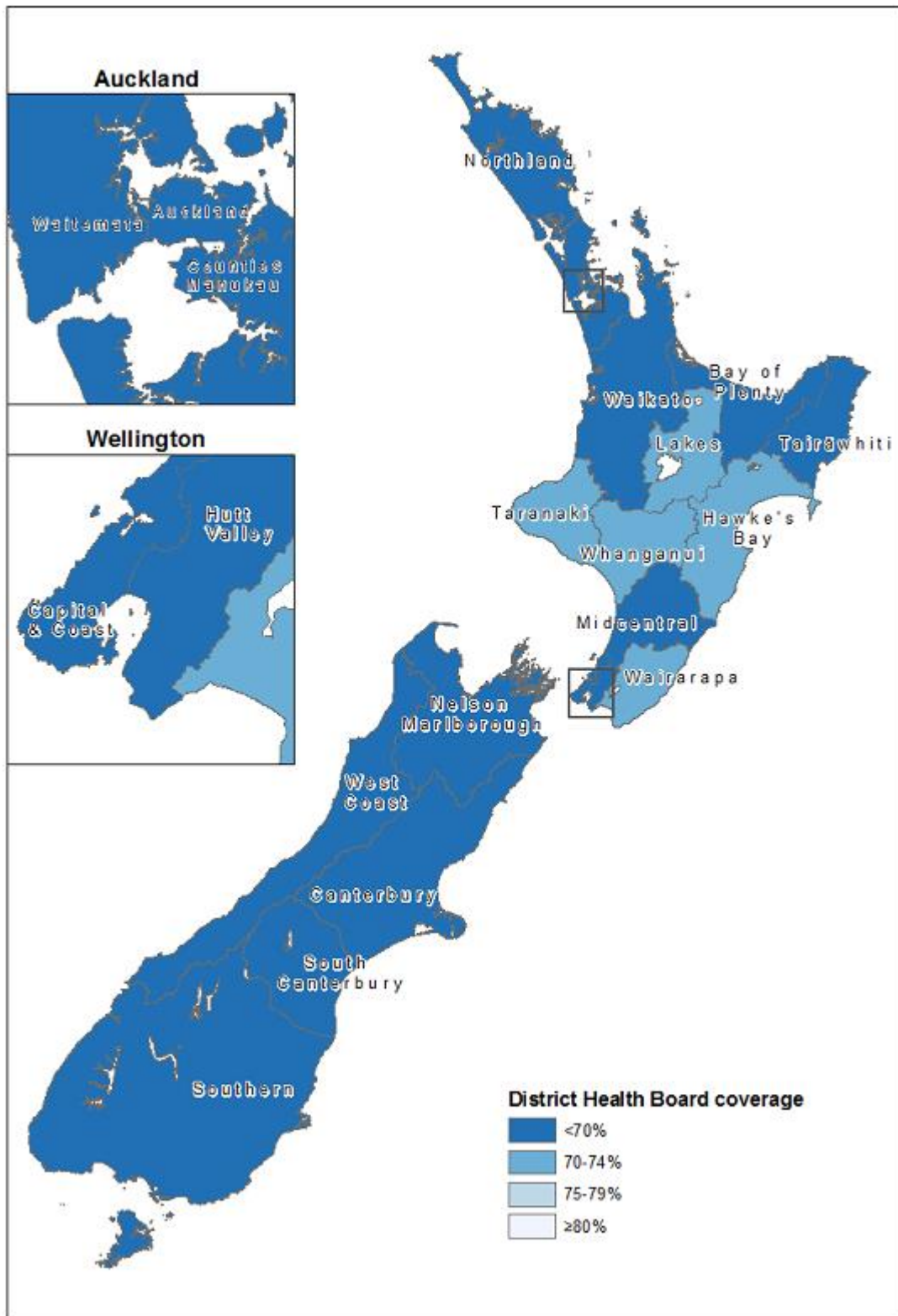


Figure 8: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 30 September 2016

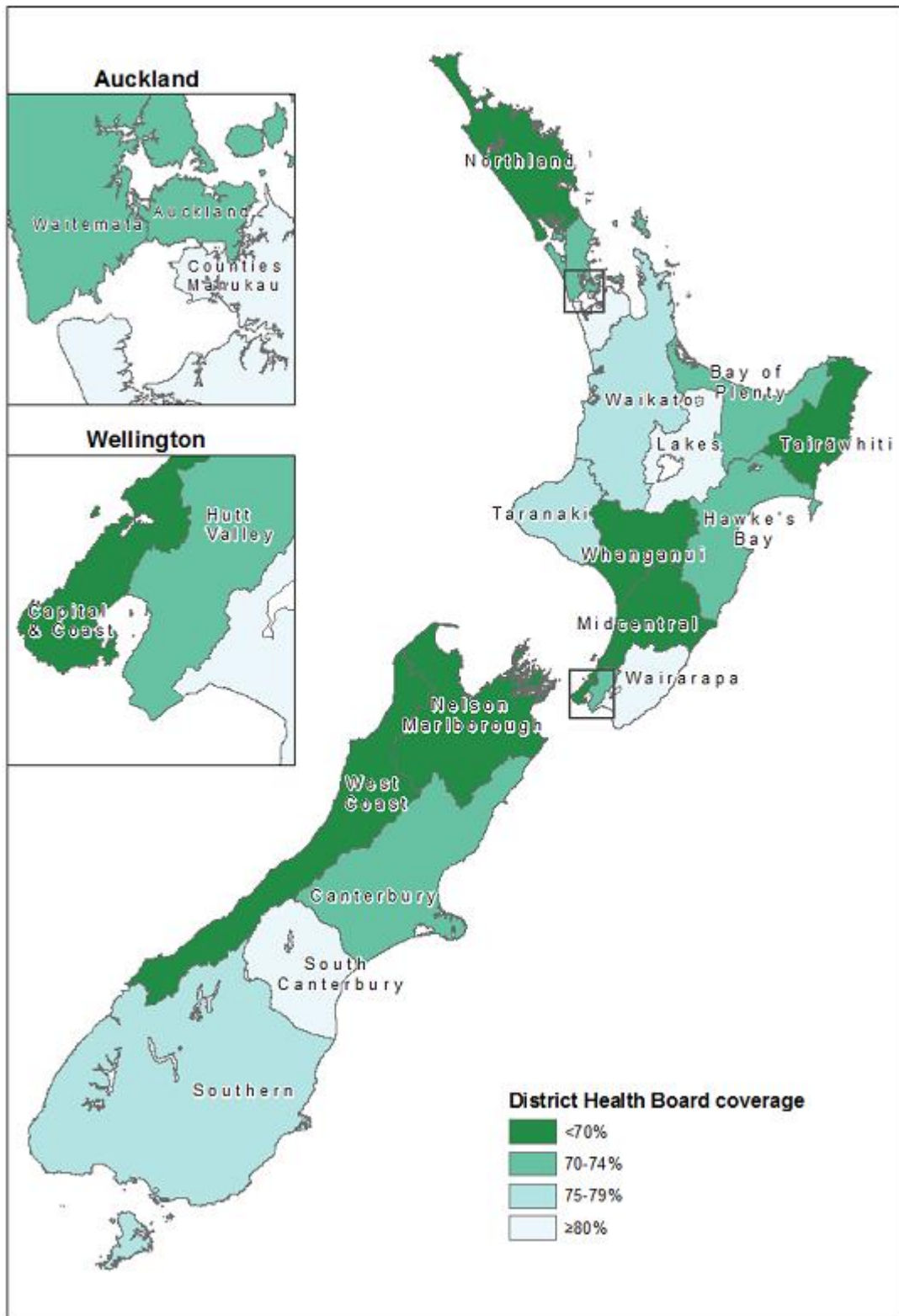


Figure 9: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 September 2016 by District Health Board

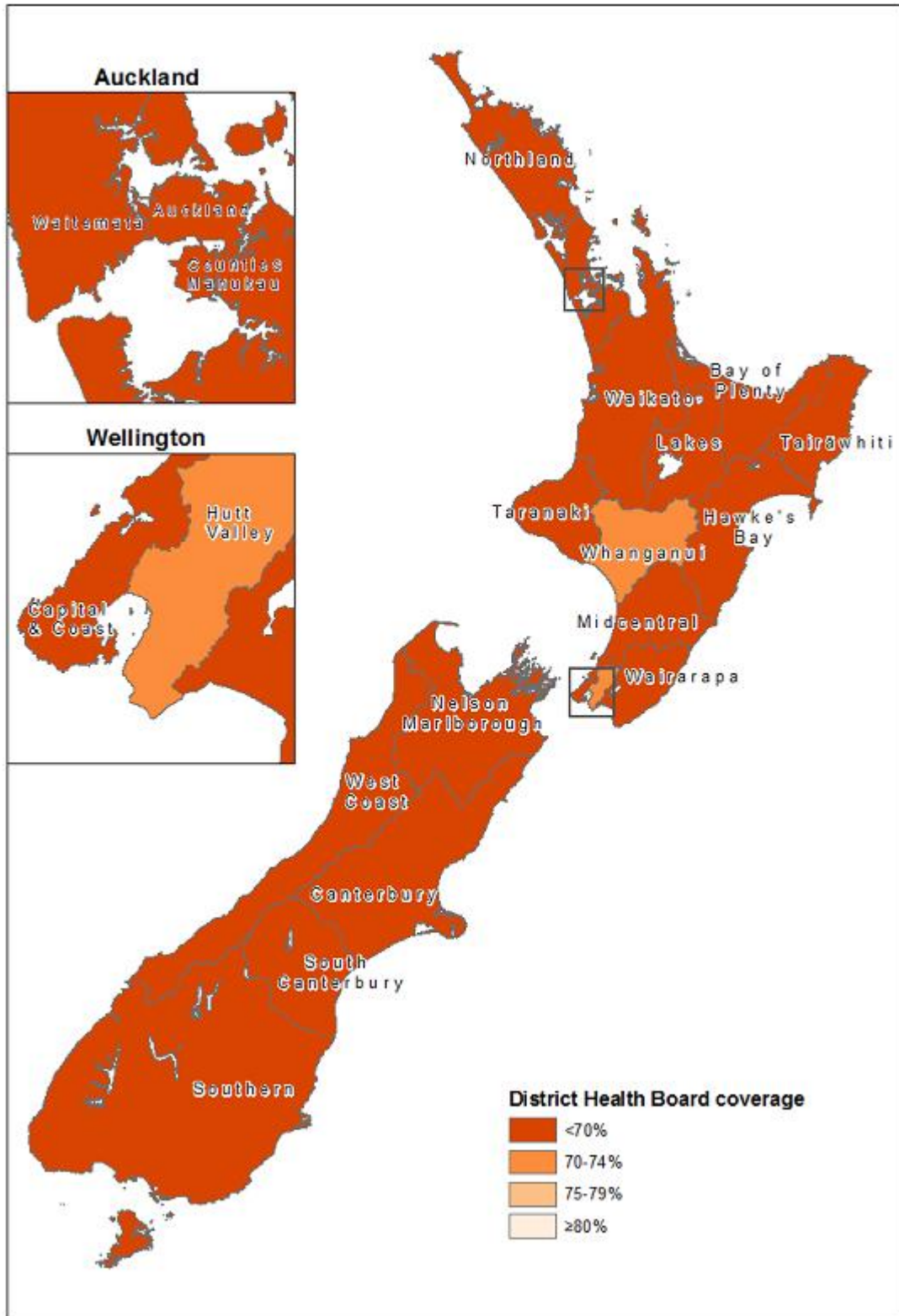


Figure 10: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 September 2016 by District Health Board

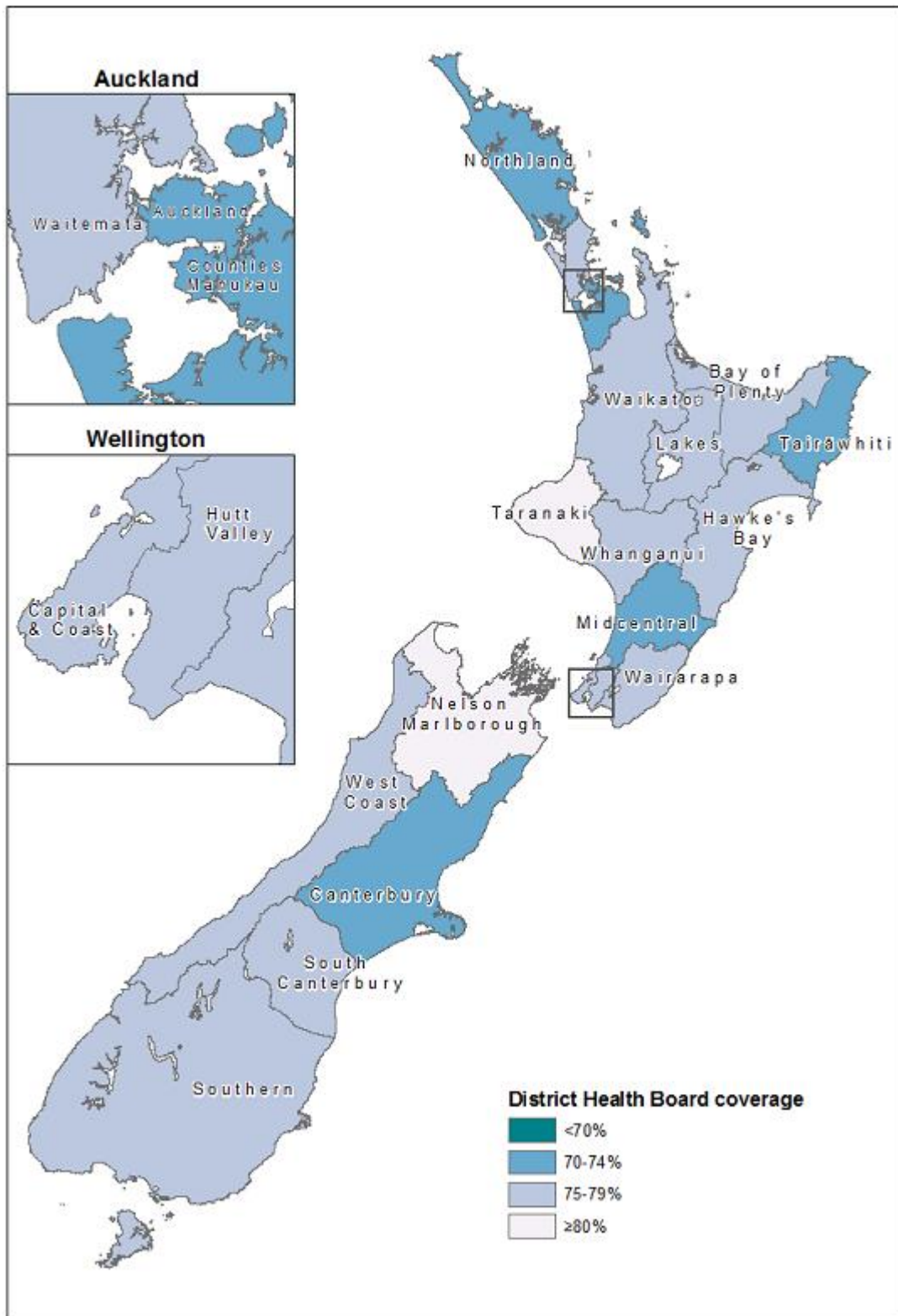


Table 2: NCSP number of screens and coverage (%) in women aged 25–69 years in the three years ending 30 September 2016 by District Health Board

DHB	Eligible Population					Screens					Coverage				
	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total
Northland	12,919	692	1,744	26,563	41,918	8,697	437	1,046	21,054	31,234	67.3%	63.2%	60.0%	79.3%	74.5%
Waitemata	12,929	9,539	37,089	97,582	157,139	7,658	7,116	24,465	79,538	118,777	59.2%	74.6%	66.0%	81.5%	75.6%
Auckland	10,143	12,840	46,094	71,865	140,942	5,776	9,605	28,471	59,520	103,372	56.9%	74.8%	61.8%	82.8%	73.3%
Counties Manukau	18,974	25,355	38,016	53,899	136,244	12,672	20,743	24,895	43,096	101,406	66.8%	81.8%	65.5%	80.0%	74.4%
Waikato	19,730	2,421	9,515	67,166	98,832	12,911	1,891	6,066	54,517	75,385	65.4%	78.1%	63.8%	81.2%	76.3%
Lakes	8,360	535	2,013	15,621	26,529	6,094	433	1,181	12,875	20,583	72.9%	80.9%	58.7%	82.4%	77.6%
Bay of Plenty	12,536	811	3,896	39,417	56,660	8,605	583	2,249	33,757	45,194	68.6%	71.9%	57.7%	85.6%	79.8%
Tairāwhiti	5,523	246	349	5,659	11,777	3,767	159	214	4,622	8,762	68.2%	64.6%	61.3%	81.7%	74.4%
Taranaki	4,568	278	1,507	23,389	29,742	3,249	220	931	19,707	24,107	71.1%	79.1%	61.8%	84.3%	81.1%
Hawkes Bay	9,072	1,118	1,969	28,204	40,363	6,602	836	1,247	22,261	30,946	72.8%	74.8%	63.3%	78.9%	76.7%
Whanganui	3,613	305	534	10,747	15,199	2,547	195	381	8,773	11,896	70.5%	63.9%	71.3%	81.6%	78.3%
MidCentral	7,259	979	3,381	31,154	42,773	4,397	682	2,056	24,941	32,076	60.6%	69.7%	60.8%	80.1%	75.0%
Hutt	5,615	2,566	4,748	25,216	38,145	3,840	1,882	3,444	20,187	29,353	68.4%	73.3%	72.5%	80.1%	77.0%
Capital and Coast	8,059	5,013	12,268	56,131	81,471	5,055	3,425	7,821	47,891	64,192	62.7%	68.3%	63.8%	85.3%	78.8%
Wairarapa	1,615	156	349	8,877	10,997	1,145	139	212	6,839	8,335	70.9%	89.1%	60.7%	77.0%	75.8%
Nelson Marlborough	3,271	452	1,824	32,632	38,179	2,169	298	1,151	27,118	30,736	66.3%	65.9%	63.1%	83.1%	80.5%
West Coast	873	85	368	7,211	8,537	575	53	190	5,726	6,544	65.9%	62.4%	51.6%	79.4%	76.7%
Canterbury	9,985	2,732	14,065	110,423	137,205	5,722	1,958	8,143	86,133	101,956	57.3%	71.7%	57.9%	78.0%	74.3%
South Canterbury	1,031	111	608	13,079	14,829	600	99	344	10,369	11,412	58.2%	89.2%	56.6%	79.3%	77.0%
Southern	6,505	1,153	4,776	66,579	79,013	3,943	900	2,840	54,937	62,620	60.6%	78.1%	59.5%	82.5%	79.3%
Total	162,580	67,387	185,113	791,414	1,206,494	106,024	51,654	117,347	643,861	918,886	65.2%	76.7%	63.4%	81.4%	76.2%

DHB coverage comparison trends by ethnicity

Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 September 2014, 2015, 2016, by ethnicity and District Health Board

DHB	Māori			Pacific			Asian			Other		
	Sep 2014	Sep 2015	Sep 2016	Sep 2014	Sep 2015	Sep 2016	Sep 2014	Sep 2015	Sep 2016	Sep 2014	Sep 2015	Sep 2016
Northland	68.8%	67.0%	67.3%	58.8%	60.8%	63.2%	58.5%	58.9%	60.0%	81.1%	80.0%	79.3%
Waitemata	59.3%	59.7%	59.2%	74.6%	75.3%	74.6%	65.7%	65.6%	66.0%	82.1%	82.1%	81.5%
Auckland	55.5%	55.5%	56.9%	71.6%	72.8%	74.8%	60.3%	61.1%	61.8%	82.2%	82.1%	82.8%
Counties Manukau	63.3%	63.6%	66.8%	77.7%	78.9%	81.8%	64.1%	64.9%	65.5%	79.2%	79.7%	80.0%
Waikato	63.8%	64.6%	65.4%	75.9%	76.9%	78.1%	61.5%	61.8%	63.8%	81.3%	81.2%	81.2%
Lakes	71.1%	71.5%	72.9%	74.1%	74.1%	80.9%	53.9%	56.0%	58.7%	82.2%	81.4%	82.4%
Bay of Plenty	67.8%	69.6%	68.6%	73.2%	72.6%	71.9%	60.7%	58.6%	57.7%	87.1%	86.1%	85.6%
Tairāwhiti	68.3%	68.0%	68.2%	61.6%	64.6%	64.6%	57.0%	59.8%	61.3%	79.9%	80.4%	81.7%
Taranaki	73.1%	70.4%	71.1%	75.5%	73.0%	79.1%	60.5%	61.0%	61.8%	85.9%	84.6%	84.3%
Hawkes Bay	73.1%	72.5%	72.8%	73.4%	73.5%	74.8%	65.0%	64.1%	63.3%	81.1%	79.9%	78.9%
Whanganui	69.2%	69.9%	70.5%	63.5%	68.1%	63.9%	68.5%	67.7%	71.3%	80.4%	81.8%	81.6%
MidCentral	62.7%	62.1%	60.6%	70.5%	69.2%	69.7%	59.5%	61.7%	60.8%	81.0%	81.4%	80.1%
Hutt	68.4%	68.2%	68.4%	71.6%	72.4%	73.3%	71.6%	73.1%	72.5%	79.6%	79.9%	80.1%
Capital and Coast	62.6%	62.1%	62.7%	68.7%	68.2%	68.3%	64.1%	63.1%	63.8%	84.5%	84.5%	85.3%
Wairarapa	72.3%	70.8%	70.9%	77.3%	78.1%	89.1%	60.9%	63.2%	60.7%	80.6%	78.6%	77.0%
Nelson Marlborough	66.4%	66.4%	66.3%	65.7%	66.2%	65.9%	58.7%	61.8%	63.1%	84.3%	83.8%	83.1%
West Coast	66.7%	65.0%	65.9%	58.3%	59.3%	62.4%	45.6%	46.1%	51.6%	80.2%	80.0%	79.4%
Canterbury	60.4%	59.0%	57.3%	71.2%	72.6%	71.7%	53.8%	55.8%	57.9%	78.8%	78.5%	78.0%
South Canterbury	57.9%	60.9%	58.2%	76.4%	82.2%	89.2%	49.3%	55.0%	56.6%	78.6%	78.9%	79.3%
Southern	61.9%	60.9%	60.6%	78.3%	77.1%	78.1%	55.3%	56.9%	59.5%	82.4%	82.3%	82.5%
Total	64.9%	64.8%	65.2%	74.2%	75.0%	76.7%	62.1%	62.6%	63.4%	81.7%	81.5%	81.4%