

# **NCSP New Zealand Auckland District Health Board Coverage Report**

For the period ending  
31 March 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 31 March 2017 was extracted from the Ministry of Health NCSP Datamart on 20 April 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.

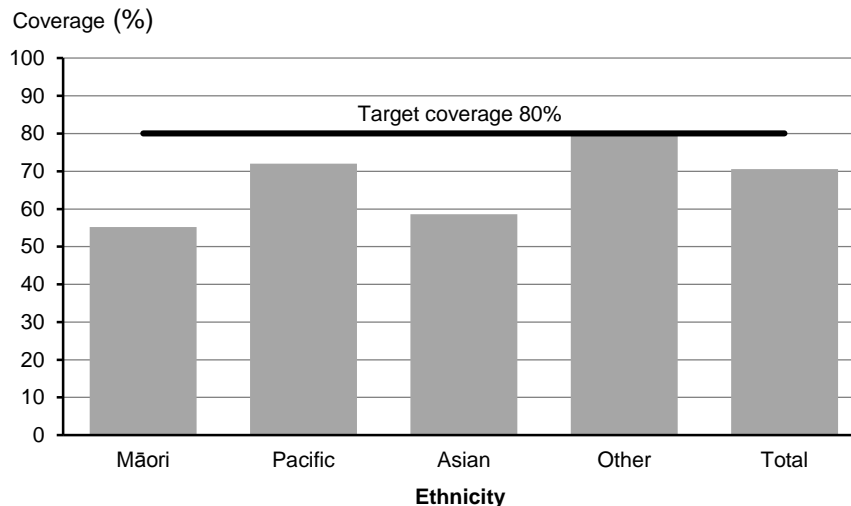
The denominators used for calculating coverage are derived from Statistics New Zealand’s District Health Board (DHB) population projections 30 June 2015 update based on the 2013 Census. The population projections have been adjusted for the prevalence of hysterectomy.

Additional detail on the methodology can be obtained via a request made to [screening@moh.govt.nz](mailto:screening@moh.govt.nz).

## Auckland coverage

### Auckland coverage by ethnicity in the three years ending 31 March 2017

**Figure 1: NCSP coverage (%) in the three years ending 31 March 2017 by ethnicity, women aged 25–69 years, Total Coverage**



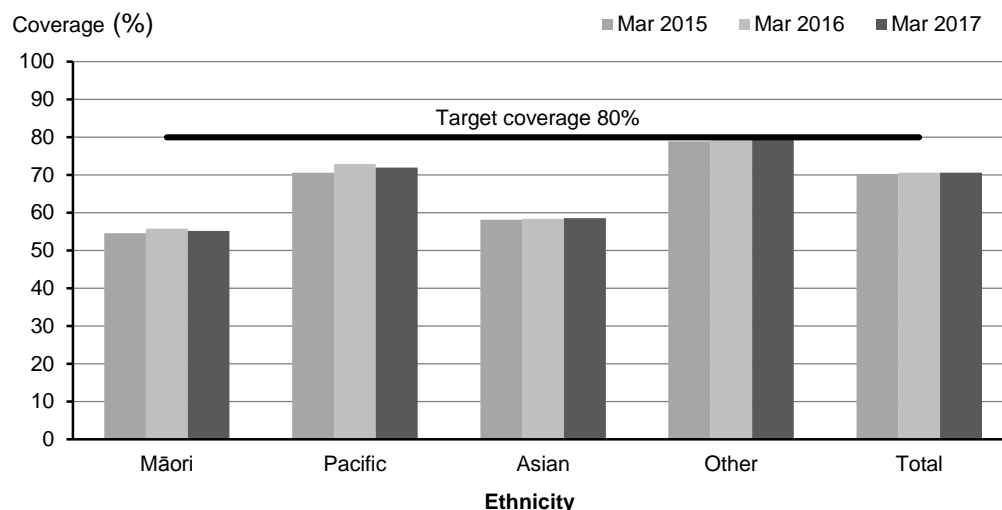
**Table 1: NCSP coverage (%) in the three years ending 31 March 2017 by ethnicity, women aged 25–69 years, Total Coverage**

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach target*
Māori	10,293	5,684	55.20%	2,550
Pacific	12,986	9,347	72.00%	1,041
Asian	47,475	27,833	58.60%	10,147
Other	72,326	58,114	80.40%	
<b>Total</b>	<b>143,080</b>	<b>100,978</b>	<b>70.60%</b>	<b>13,486</b>

*\*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%.*

## Auckland coverage trends by ethnicity

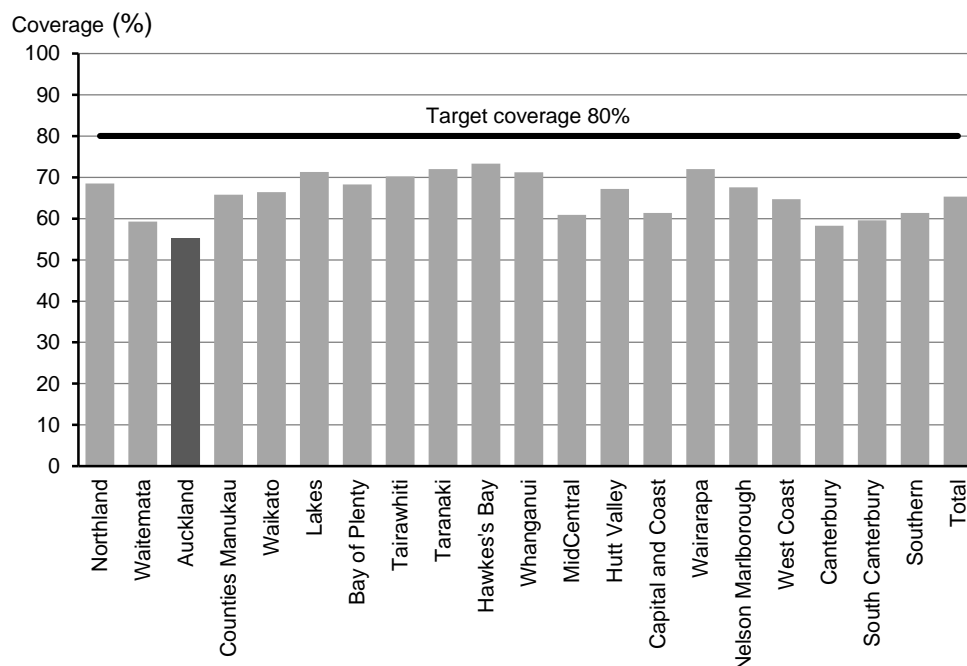
**Figure 2: NCSP coverage (%) of women aged 25–69 years in the three years ending 31 March 2017 by ethnicity, Total Coverage**



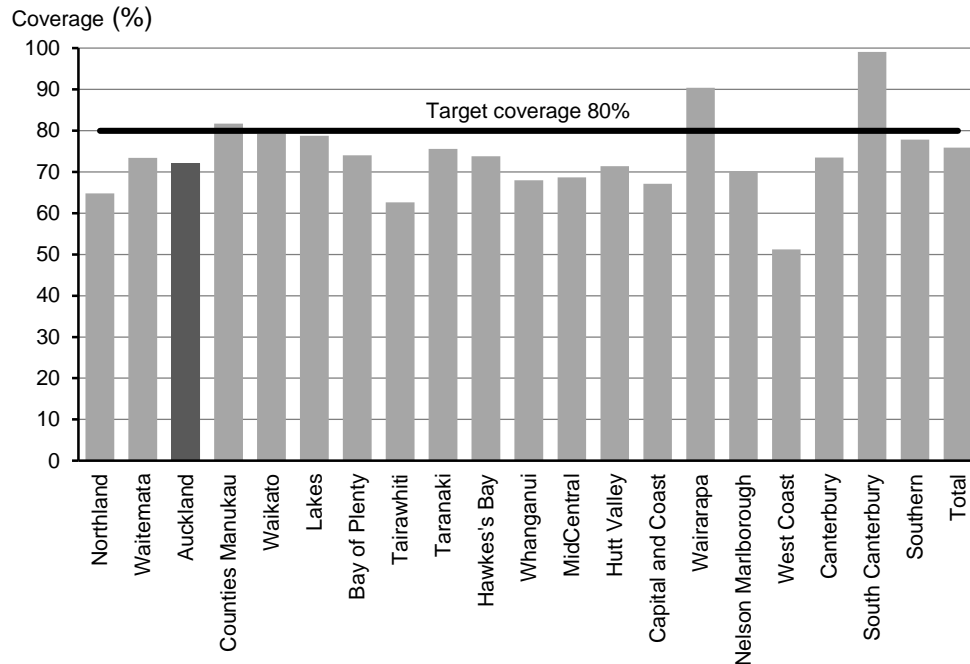
## DHB coverage comparisons

### DHB coverage by ethnicity in the three years ending 31 March 2017

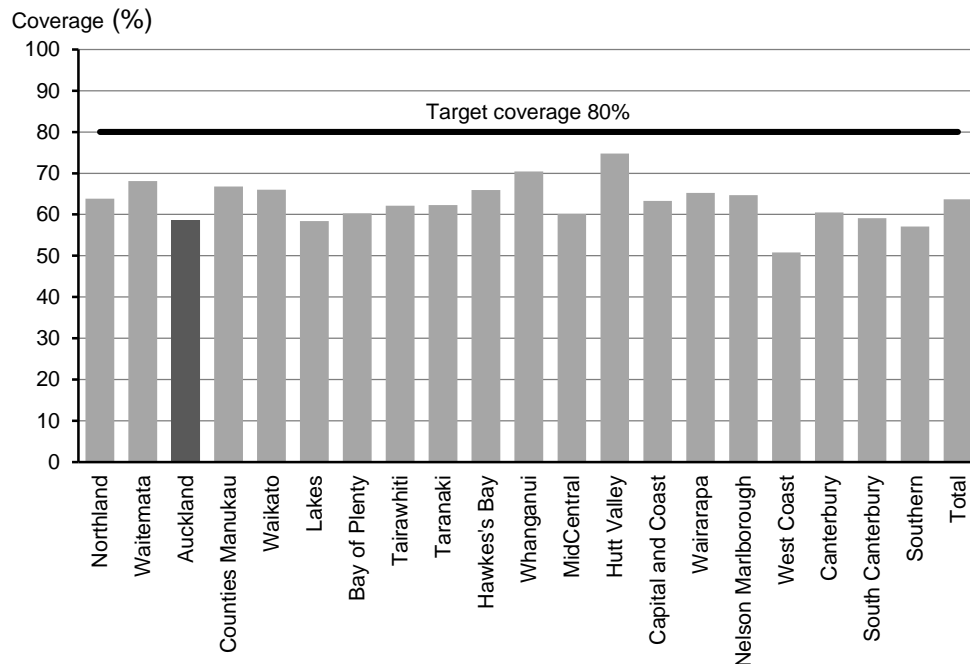
**Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 31 March 2017 by District Health Board**



**Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 31 March 2017 by District Health Board**

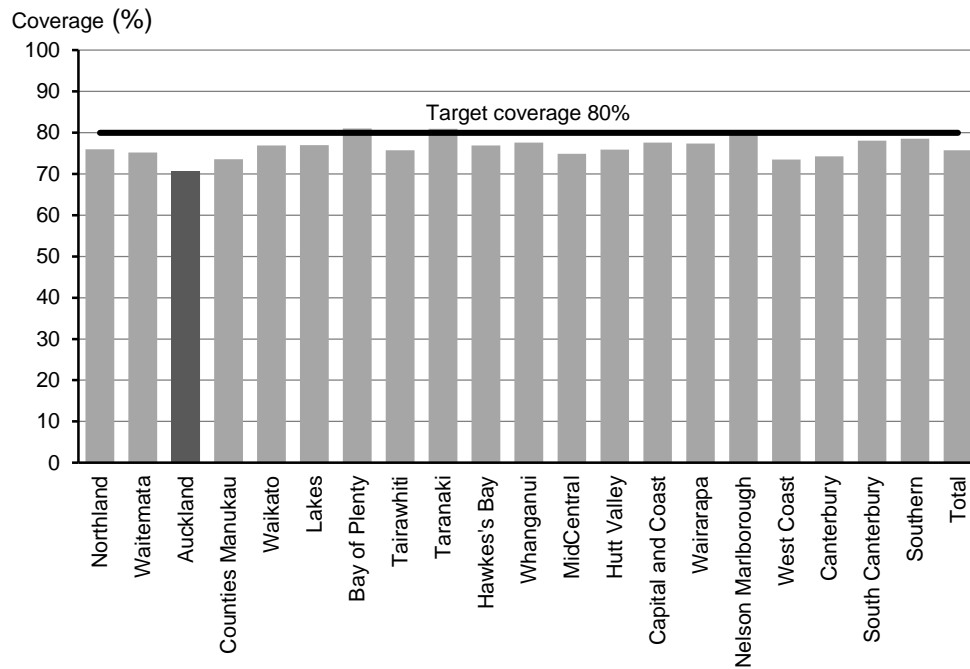


**Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 31 March 2017 by District Health Board**

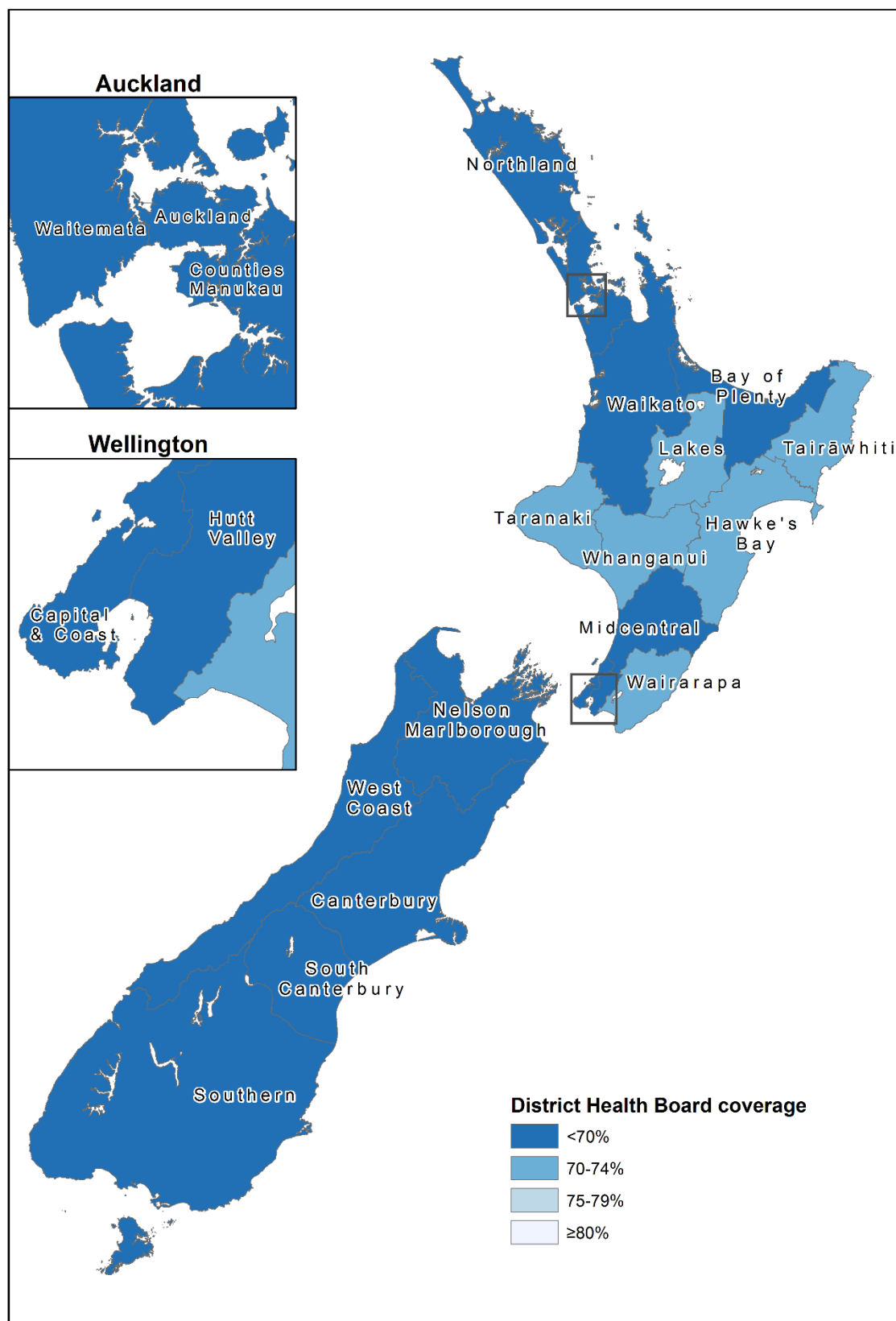




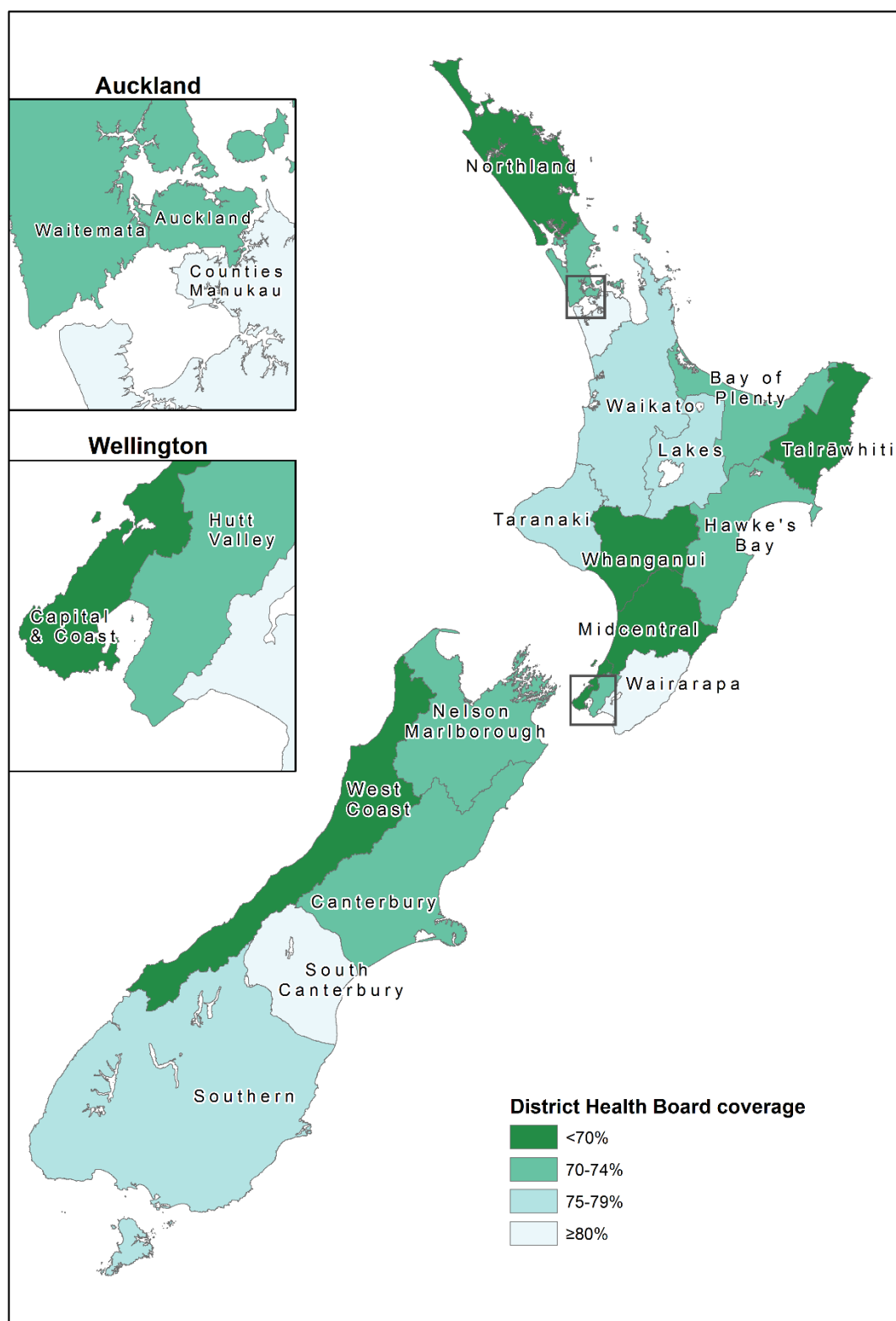
**Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 31 March 2017 by District Health Board**



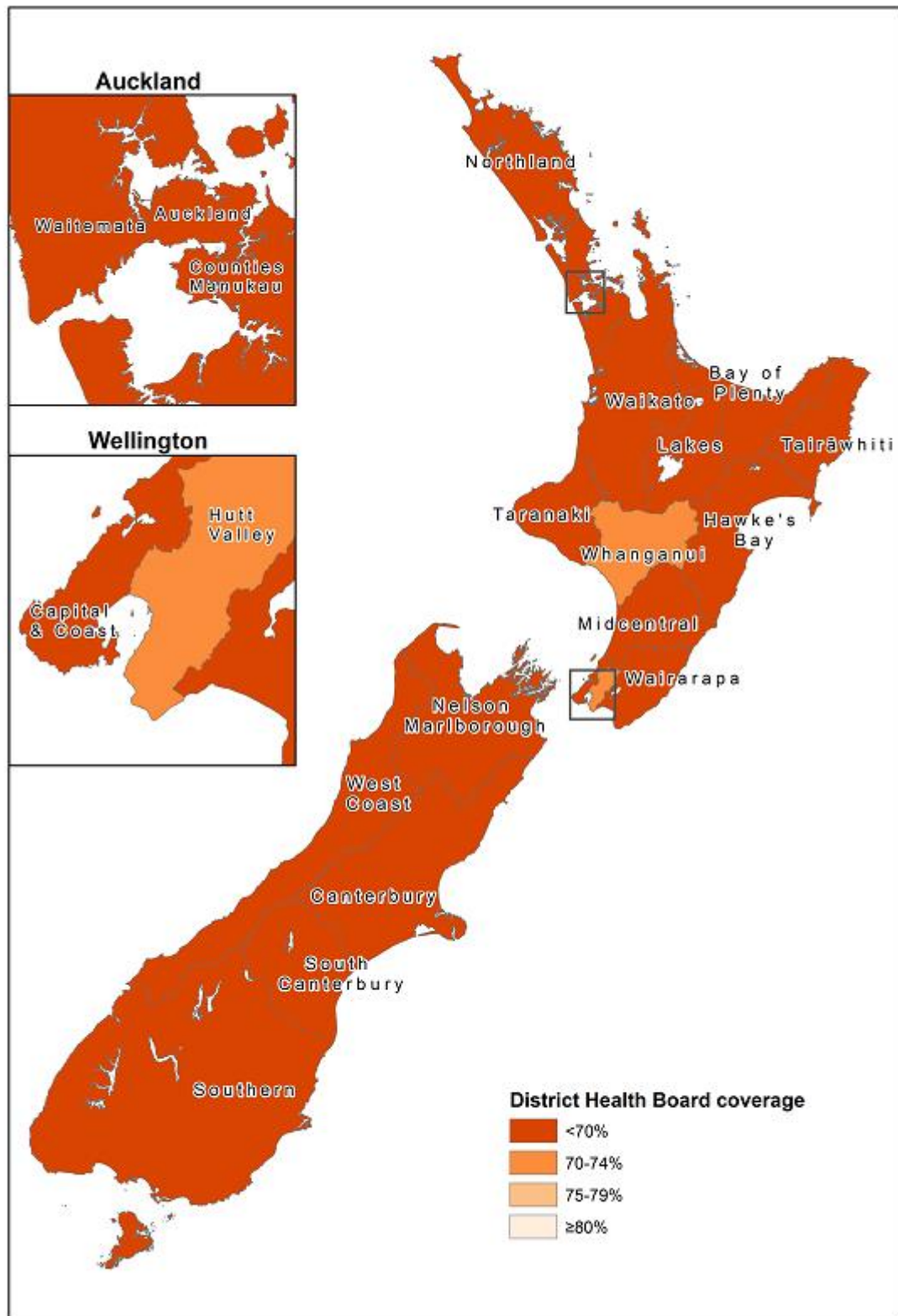
**Figure 7: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 31 March 2017**



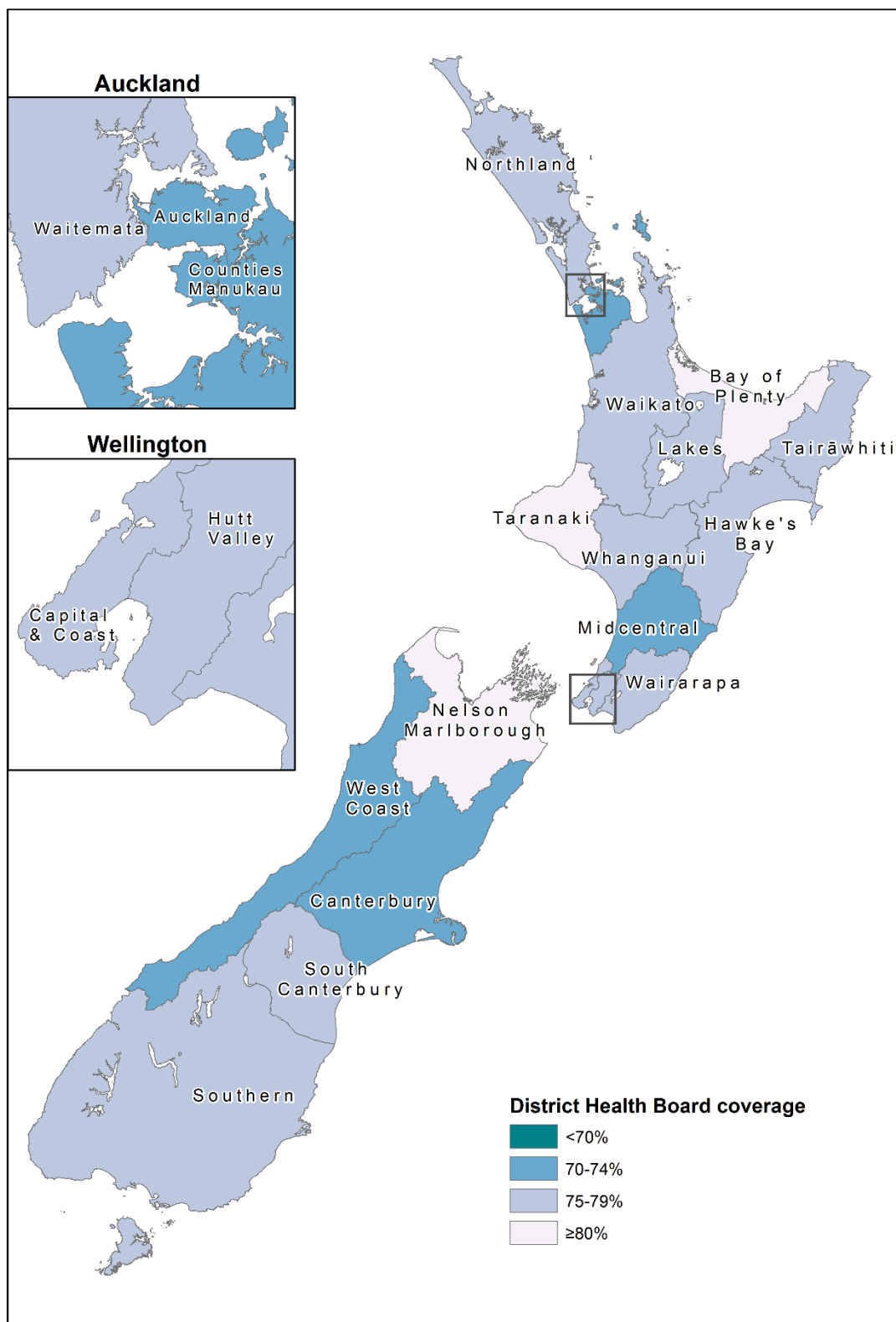
**Figure 8: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 31 March 2017**



**Figure 9: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 31 March 2017 by District Health Board**



**Figure 10: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 31 March 2017 by District Health Board**



**Table 2: NCSP number of screens and coverage (%) in women aged 25–69 years in the three years ending 31 March 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	13,083	710	1,767	26,522	42,082	8,964	460	1,127	21,433	31,984	68.5%	64.8%	63.8%	80.8%	76.0%
Waitemata	13,115	9,666	38,051	98,284	159,116	7,774	7,095	25,912	78,944	119,725	59.3%	73.4%	68.1%	80.3%	75.2%
Auckland	10,293	12,986	47,475	72,326	143,080	5,684	9,347	27,833	58,114	100,978	55.2%	72.0%	58.6%	80.4%	70.6%
Counties Manukau	19,264	25,736	38,959	54,326	138,285	12,675	21,016	26,031	42,115	101,837	65.8%	81.7%	66.8%	77.5%	73.6%
Waikato	20,021	2,478	9,729	67,477	99,705	13,286	1,962	6,424	54,975	76,647	66.4%	79.2%	66.0%	81.5%	76.9%
Lakes	8,420	542	2,054	15,582	26,598	6,005	427	1,200	12,845	20,477	71.3%	78.8%	58.4%	82.4%	77.0%
Bay of Plenty	12,647	822	4,024	39,504	56,997	8,634	608	2,428	34,477	46,147	68.3%	74.0%	60.3%	87.3%	81.0%
Tairāwhiti	5,578	243	348	5,649	11,818	3,914	152	216	4,666	8,948	70.2%	62.6%	62.1%	82.6%	75.7%
Taranaki	4,619	283	1,560	23,483	29,945	3,325	214	972	19,714	24,225	72.0%	75.6%	62.3%	84.0%	80.9%
Hawke's Bay	9,158	1,131	2,017	28,187	40,493	6,714	835	1,330	22,258	31,137	73.3%	73.8%	65.9%	79.0%	76.9%
Whanganui	3,640	309	550	10,680	15,179	2,590	210	387	8,589	11,776	71.2%	68.0%	70.4%	80.4%	77.6%
MidCentral	7,359	975	3,453	31,141	42,928	4,478	670	2,075	24,922	32,145	60.9%	68.7%	60.1%	80.0%	74.9%
Hutt Valley	5,657	2,580	4,819	25,275	38,331	3,800	1,841	3,604	19,865	29,110	67.2%	71.4%	74.8%	78.6%	75.9%
Capital and Coast	8,202	5,039	12,520	56,330	82,091	5,038	3,383	7,928	47,314	63,663	61.4%	67.1%	63.3%	84.0%	77.6%
Wairarapa	1,635	157	356	8,916	11,064	1,177	142	232	7,009	8,560	72.0%	90.4%	65.2%	78.6%	77.4%
Nelson Marlborough	3,306	457	1,862	32,712	38,337	2,236	321	1,204	27,035	30,796	67.6%	70.2%	64.7%	82.6%	80.3%
West Coast	884	86	372	7,253	8,595	572	44	189	5,515	6,320	64.7%	51.2%	50.8%	76.0%	73.5%
Canterbury	10,189	2,772	14,408	111,146	138,515	5,942	2,038	8,714	86,279	102,973	58.3%	73.5%	60.5%	77.6%	74.3%
South Canterbury	1,044	116	628	13,117	14,905	622	115	371	10,539	11,647	59.6%	99.1%	59.1%	80.3%	78.1%
Southern	6,600	1,163	4,897	66,685	79,345	4,050	905	2,795	54,568	62,318	61.4%	77.8%	57.1%	81.8%	78.5%
<b>Total</b>	<b>164,714</b>	<b>68,251</b>	<b>189,849</b>	<b>794,595</b>	<b>1,217,409</b>	<b>107,480</b>	<b>51,785</b>	<b>120,972</b>	<b>641,176</b>	<b>921,413</b>	<b>65.3%</b>	<b>75.9%</b>	<b>63.7%</b>	<b>80.7%</b>	<b>75.7%</b>

## DHB coverage comparison trends by ethnicity

**Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 31 March, 2015, 2016, 2017, by ethnicity and District Health Board**

DHB	Māori			Pacific			Asian			Other		
	Mar 2015	Mar 2016	Mar 2017	Mar 2015	Mar 2016	Mar 2017	Mar 2015	Mar 2016	Mar 2017	Mar 2015	Mar 2016	Mar 2017
Northland	69.8%	69.0%	68.5%	62.3%	64.2%	64.8%	60.5%	60.0%	63.8%	82.6%	81.9%	80.8%
Waitemata	60.1%	60.4%	59.3%	74.4%	75.7%	73.4%	67.5%	68.1%	68.1%	81.5%	81.5%	80.3%
Auckland	54.6%	55.8%	55.2%	70.6%	72.9%	72.0%	58.1%	58.4%	58.6%	78.9%	79.9%	80.4%
Counties Manukau	62.9%	65.2%	65.8%	78.5%	82.3%	81.7%	65.6%	66.8%	66.8%	78.0%	78.8%	77.5%
Waikato	64.9%	66.4%	66.4%	78.5%	79.2%	79.2%	62.8%	62.7%	66.0%	81.6%	81.5%	81.5%
Lakes	70.5%	71.4%	71.3%	75.7%	79.4%	78.8%	55.5%	58.0%	58.4%	81.7%	82.6%	82.4%
Bay of Plenty	69.2%	70.0%	68.3%	75.8%	74.8%	74.0%	61.7%	60.1%	60.3%	88.2%	87.4%	87.3%
Tairāwhiti	68.0%	68.7%	70.2%	58.7%	61.7%	62.6%	59.3%	56.8%	62.1%	78.7%	82.3%	82.6%
Taranaki	72.9%	71.4%	72.0%	74.9%	74.8%	75.6%	60.7%	60.9%	62.3%	85.0%	84.0%	84.0%
Hawke's Bay	74.3%	74.8%	73.3%	71.2%	73.6%	73.8%	63.1%	63.3%	65.9%	81.3%	80.5%	79.0%
Whanganui	69.8%	71.3%	71.2%	66.6%	61.8%	68.0%	65.4%	67.1%	70.4%	80.3%	82.0%	80.4%
MidCentral	63.5%	62.8%	60.9%	71.9%	70.8%	68.7%	59.7%	59.1%	60.1%	81.2%	80.8%	80.0%
Hutt Valley	67.4%	68.2%	67.2%	71.7%	72.4%	71.4%	73.4%	74.7%	74.8%	79.3%	79.9%	78.6%
Capital and Coast	62.4%	61.9%	61.4%	67.6%	67.9%	67.1%	63.5%	63.9%	63.3%	83.0%	83.7%	84.0%
Wairarapa	72.4%	70.6%	72.0%	76.3%	79.7%	90.4%	67.5%	65.2%	65.2%	81.8%	80.5%	78.6%
Nelson Marlborough	67.8%	68.4%	67.6%	68.4%	70.2%	70.2%	60.3%	63.0%	64.7%	84.9%	84.8%	82.6%
West Coast	63.9%	64.3%	64.7%	50.0%	53.8%	51.2%	45.3%	48.6%	50.8%	78.6%	77.5%	76.0%
Canterbury	61.5%	60.0%	58.3%	72.6%	73.1%	73.5%	55.2%	57.5%	60.5%	78.4%	78.5%	77.6%
South Canterbury	61.7%	62.5%	59.6%	82.1%	89.0%	99.1%	54.4%	57.7%	59.1%	79.8%	80.3%	80.3%
Southern	62.1%	62.6%	61.4%	79.3%	76.9%	77.8%	53.7%	55.1%	57.1%	81.9%	81.9%	81.8%
<b>Total</b>	<b>65.3%</b>	<b>65.9%</b>	<b>65.3%</b>	<b>74.4%</b>	<b>76.6%</b>	<b>75.9%</b>	<b>62.4%</b>	<b>63.1%</b>	<b>63.7%</b>	<b>81.2%</b>	<b>81.3%</b>	<b>80.7%</b>