



National  
Cervical  
Screening  
Programme

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

For the period ending  
30 June 2018

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# Contents

Introduction .....	2
Technical notes.....	3
Northland coverage.....	4
Northland coverage by ethnicity in the three years ending 30 June 2018 .....	4
Northland coverage trends by ethnicity.....	5
DHB coverage comparisons .....	5
DHB coverage by ethnicity in the three years ending 30 June 2018 .....	5
DHB coverage comparison trends by ethnicity .....	13
<b>List of tables</b>	
Table 1: NCSP coverage (%) in the three years ending 30 June 2018 by ethnicity, women aged 25–69 years, Total Coverage .....	4
Table 2: NCSP number of screens and coverage (%) in women aged 25–69 years in the three years ending 30 June 2018 by District Health Board .....	12
Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June, 2016, 2017, 2018, by ethnicity and District Health Board .....	13
<b>List of figures</b>	
Figure 1: NCSP coverage (%) in the three years ending 30 June 2018 by ethnicity, women aged 25–69 years, Total Coverage .....	4
Figure 2: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2018 by ethnicity, Total Coverage.....	5
Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 30 June 2018 by District Health Board .....	5
Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 30 June 2018 by District Health Board .....	6
Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 June 2018 by District Health Board .....	6
Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2018 by District Health Board .....	7
Figure 7: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 30 June 2018 .....	8
Figure 8: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 30 June 2018 .....	9
Figure 9: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 June 2018 by District Health Board .....	10
Figure 10: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2018 by District Health Board .....	11

## 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 2018 was extracted from the Ministry of Health NCSP Datamart on 17 July 2018.

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.

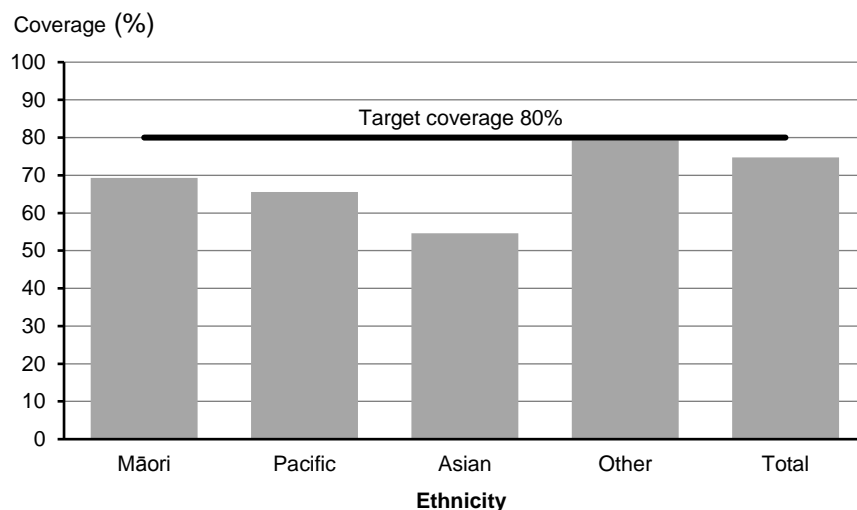
The denominators used for calculating coverage are derived from Statistics New Zealand’s District Health Board (DHB) population projections 30 June 2017 update based on the 2013 Census. The population projections have been adjusted for the prevalence of hysterectomy.

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

## Northland coverage

### Northland coverage by ethnicity in the three years ending 30 June 2018

**Figure 1: NCSP coverage (%) in the three years ending 30 June 2018 by ethnicity, women aged 25–69 years, Total Coverage**



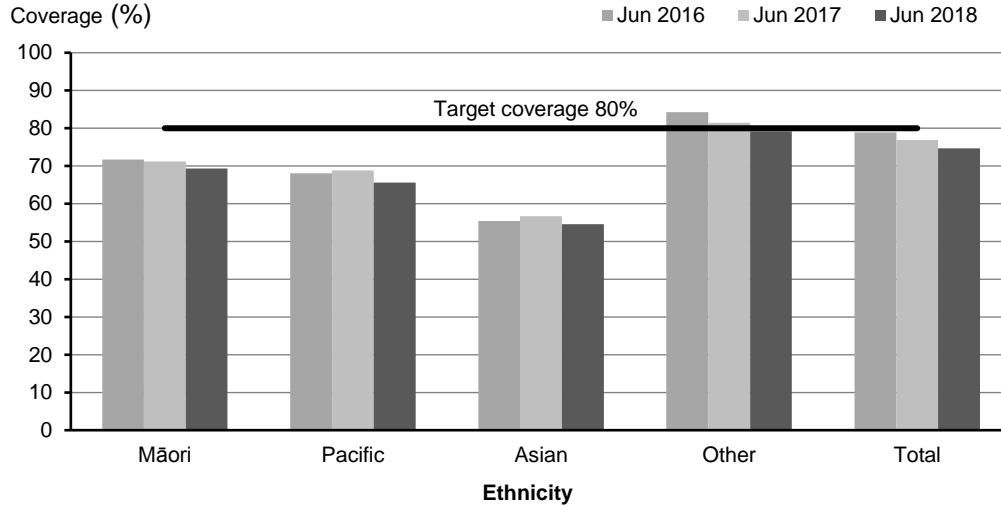
**Table 1: NCSP coverage (%) in the three years ending 30 June 2018 by ethnicity, women aged 25–69 years, Total Coverage**

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach target*
Māori	13,275	9,197	69.30%	1,423
Pacific	794	521	65.60%	114
Asian	2,302	1,258	54.60%	583
Other	27,399	21,699	79.20%	220
<b>Total</b>	<b>43,770</b>	<b>32,675</b>	<b>74.70%</b>	<b>2,341</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%.

## Northland coverage trends by ethnicity

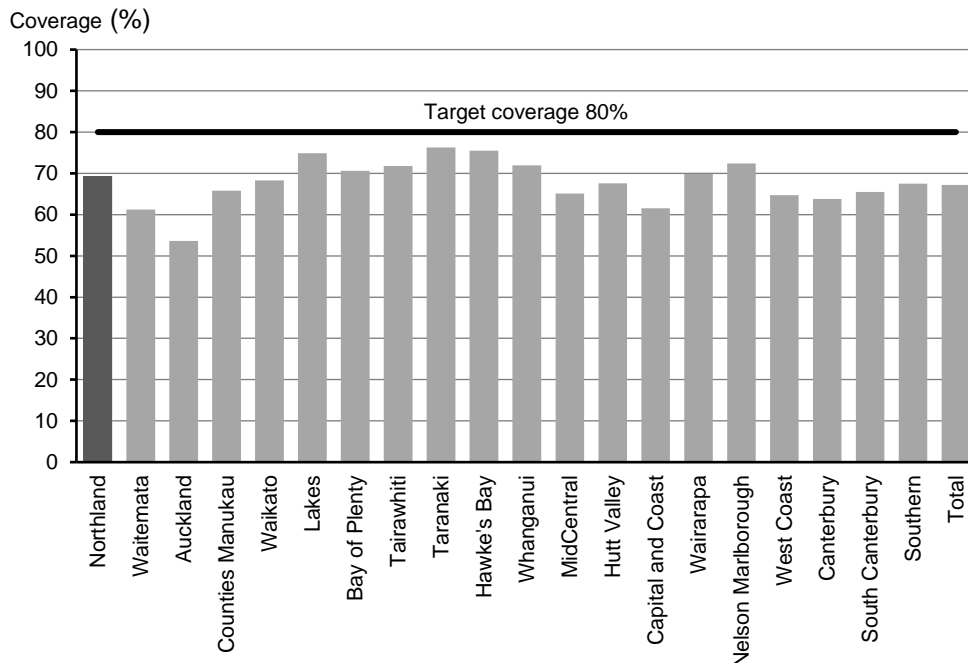
**Figure 2: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2018 by ethnicity, Total Coverage**



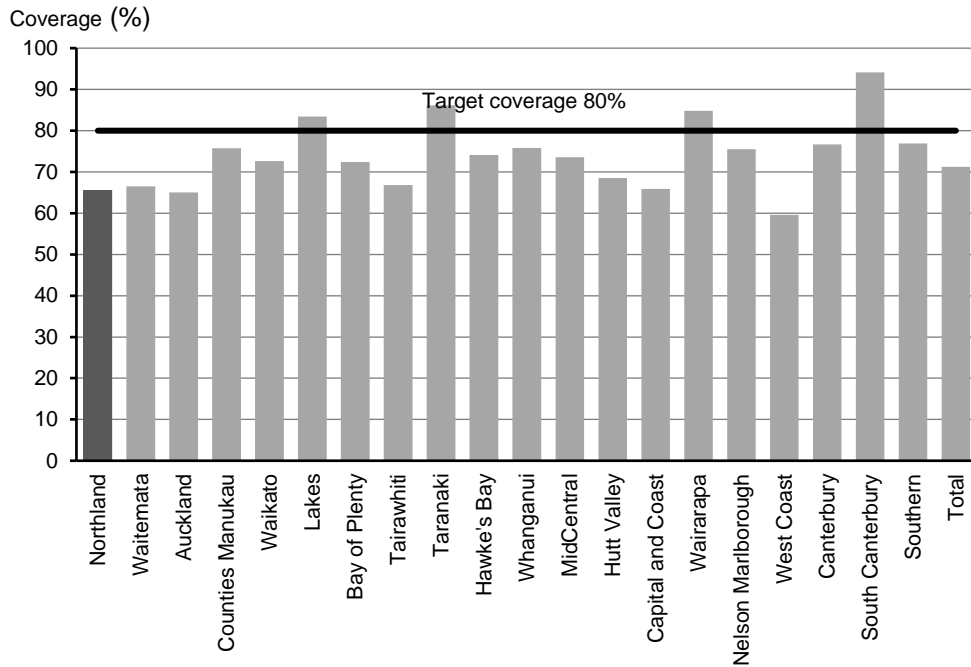
## DHB coverage comparisons

### DHB coverage by ethnicity in the three years ending 30 June 2018

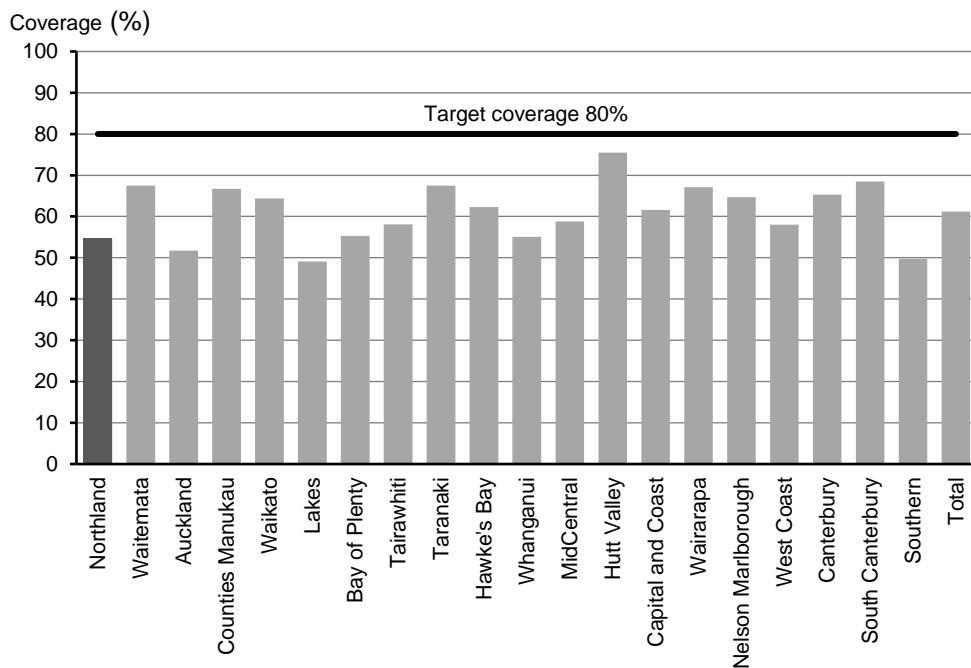
**Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 30 June 2018 by District Health Board**



**Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 30 June 2018 by District Health Board**

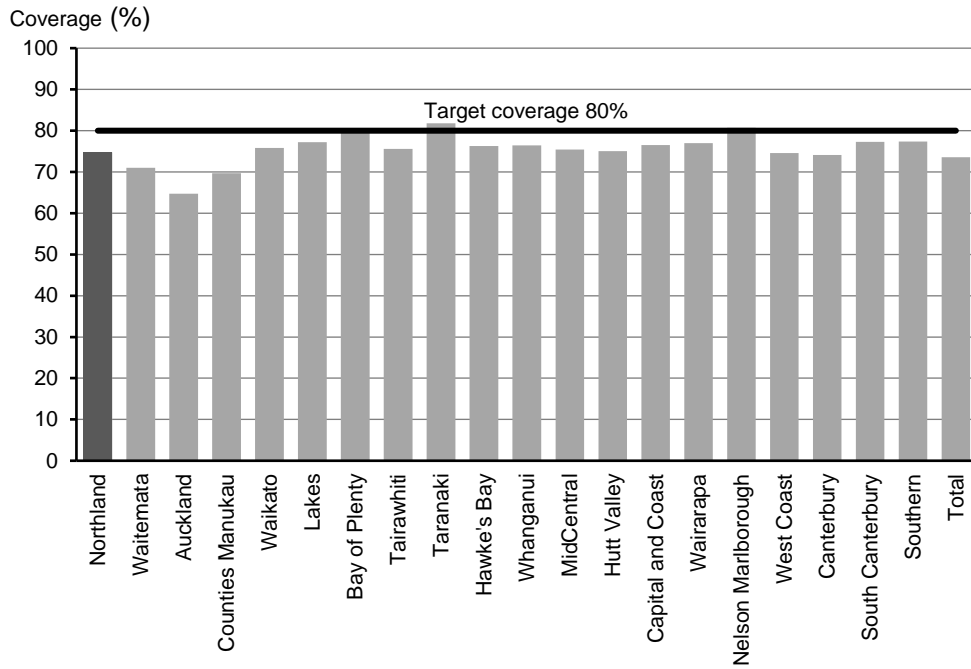


**Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 June 2018 by District Health Board**

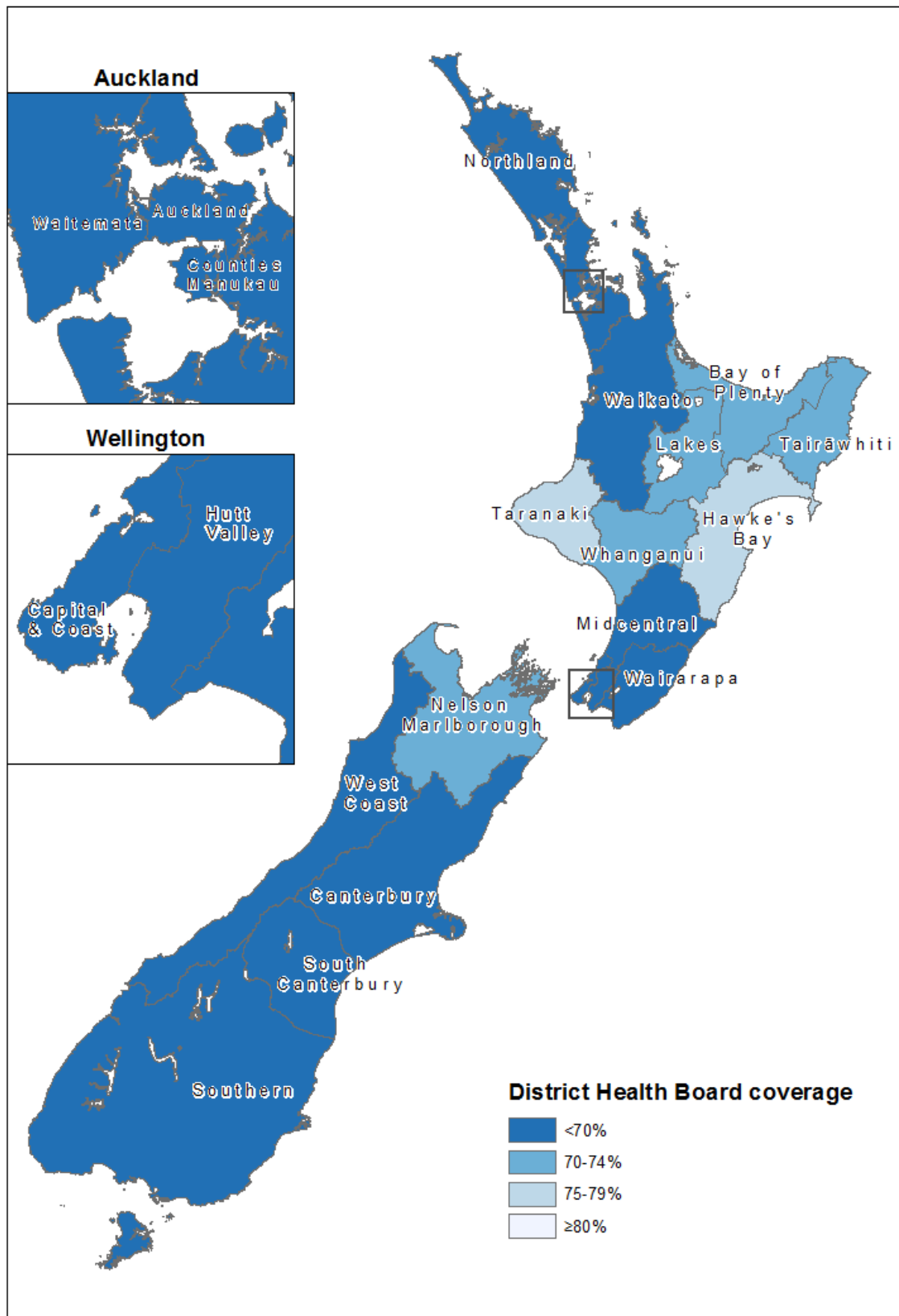




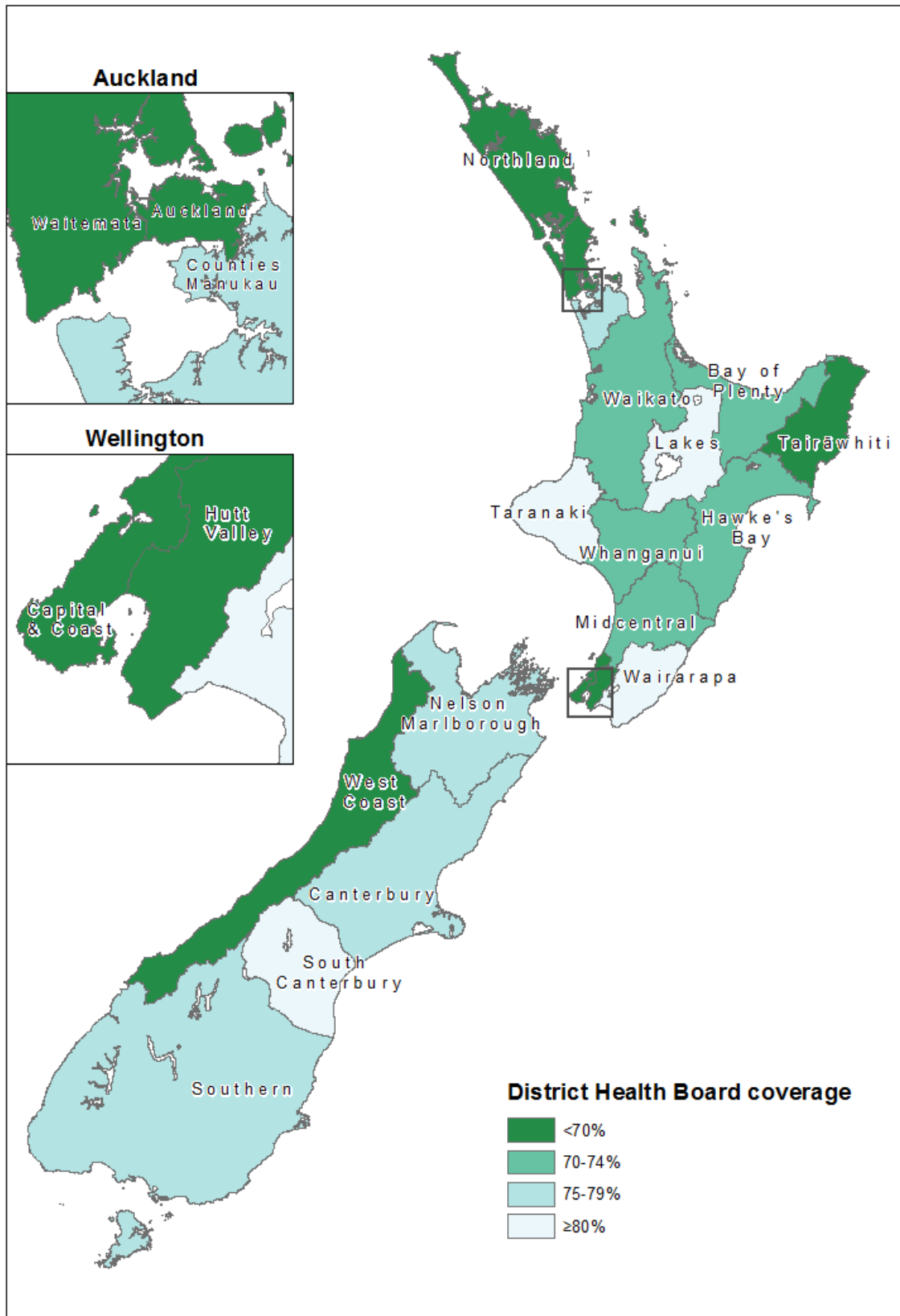
**Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2018 by District Health Board**



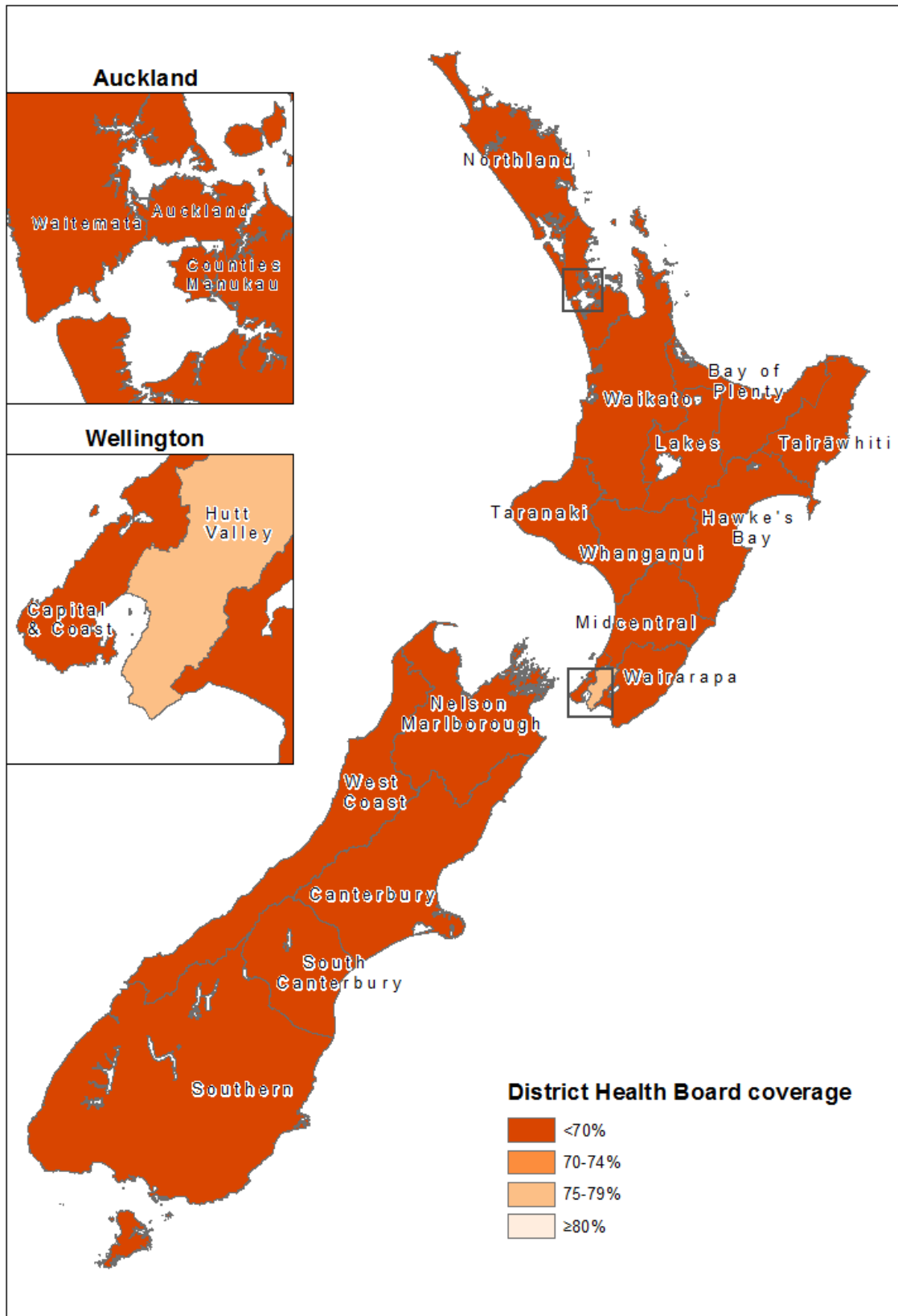
**Figure 7: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 30 June 2018**



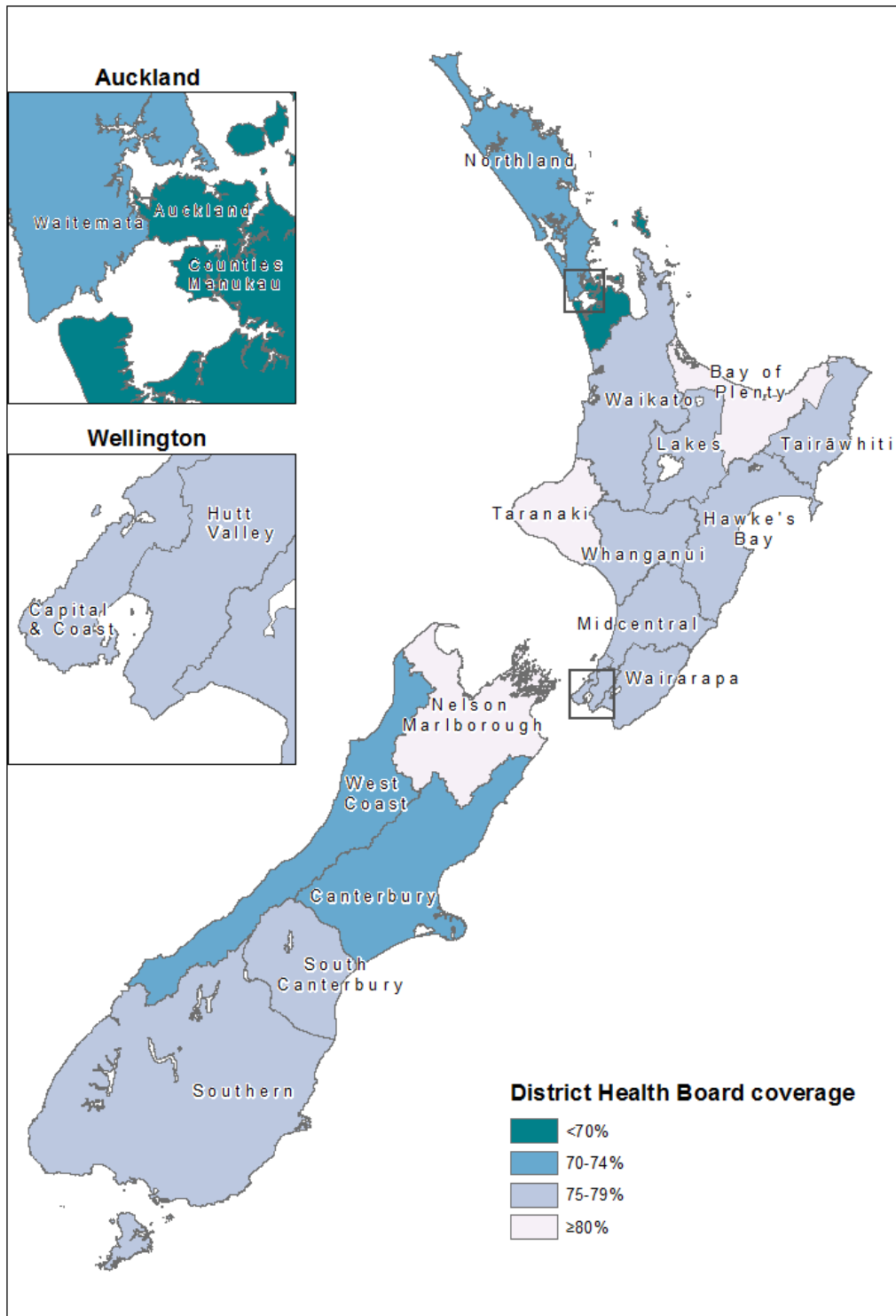
**Figure 8: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 30 June 2018**



**Figure 9: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 June 2018 by District Health Board**



**Figure 10: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2018 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 2018 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	13,275	794	2,302	27,399	43,770	9,197	521	1,258	21,699	32,675	69.3%	65.6%	54.6%	79.2%	74.7%
Waitemata	13,463	10,320	41,614	102,571	167,968	8,235	6,858	28,074	76,019	119,186	61.2%	66.5%	67.5%	74.1%	71.0%
Auckland	10,692	13,919	54,947	73,972	153,530	5,735	9,053	28,384	56,166	99,338	53.6%	65.0%	51.7%	75.9%	64.7%
Counties Manukau	19,726	27,511	41,805	56,800	145,842	12,970	20,825	27,888	39,976	101,659	65.8%	75.7%	66.7%	70.4%	69.7%
Waikato	20,539	2,786	11,524	68,756	103,605	14,027	2,022	7,420	55,067	78,536	68.3%	72.6%	64.4%	80.1%	75.8%
Lakes	8,629	561	2,805	15,785	27,780	6,463	468	1,378	13,140	21,449	74.9%	83.4%	49.1%	83.2%	77.2%
Bay of Plenty	12,994	882	4,980	40,508	59,364	9,179	639	2,755	35,264	47,837	70.6%	72.4%	55.3%	87.1%	80.6%
Tairāwhiti	5,680	250	399	5,738	12,067	4,078	167	232	4,642	9,119	71.8%	66.8%	58.1%	80.9%	75.6%
Taranaki	4,705	295	1,537	23,571	30,108	3,591	254	1,038	19,745	24,628	76.3%	86.1%	67.5%	83.8%	81.8%
Hawke's Bay	9,276	1,172	2,343	28,343	41,134	7,003	868	1,460	22,042	31,373	75.5%	74.1%	62.3%	77.8%	76.3%
Whanganui	3,778	320	766	10,792	15,656	2,717	238	422	8,556	11,933	71.9%	74.4%	55.1%	79.3%	76.2%
MidCentral	7,501	1,035	3,966	31,172	43,674	4,881	762	2,331	24,953	32,927	65.1%	73.6%	58.8%	80.0%	75.4%
Hutt Valley	5,737	2,705	5,088	25,698	39,228	3,878	1,854	3,843	19,846	29,421	67.6%	68.5%	75.5%	77.2%	75.0%
Capital and Coast	8,538	5,379	13,920	56,682	84,519	5,252	3,543	8,577	47,267	64,639	61.5%	65.9%	61.6%	83.4%	76.5%
Wairarapa	1,653	171	389	8,998	11,211	1,154	145	261	7,077	8,637	69.8%	84.8%	67.1%	78.7%	77.0%
Nelson Marlborough	3,346	497	2,084	32,549	38,476	2,421	375	1,349	26,910	31,055	72.4%	75.5%	64.7%	82.7%	80.7%
West Coast	893	89	343	7,012	8,337	578	53	199	5,386	6,216	64.7%	59.6%	58.0%	76.8%	74.6%
Canterbury	10,444	2,874	16,174	112,734	142,226	6,667	2,205	10,564	86,013	105,449	63.8%	76.7%	65.3%	76.3%	74.1%
South Canterbury	1,051	118	664	13,079	14,912	688	111	455	10,276	11,530	65.5%	94.1%	68.5%	78.6%	77.3%
Southern	6,758	1,301	6,470	66,874	81,403	4,562	1,000	3,215	54,266	63,043	67.5%	76.9%	49.7%	81.1%	77.4%
<b>National</b>	<b>168,678</b>	<b>72,979</b>	<b>214,120</b>	<b>809,033</b>	<b>1,264,810</b>	<b>113,276</b>	<b>51,961</b>	<b>131,103</b>	<b>634,310</b>	<b>930,650</b>	<b>67.2%</b>	<b>71.2%</b>	<b>61.2%</b>	<b>78.4%</b>	<b>73.6%</b>

## DHB coverage comparison trends by ethnicity

**Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June, 2016, 2017, 2018, by ethnicity and District Health Board**

DHB	Māori			Pacific			Asian			Other		
	Jun-16	Jun-17	Jun-18	Jun-16	Jun-17	Jun-18	Jun-16	Jun-17	Jun-18	Jun-16	Jun-17	Jun-18
Northland	71.7%	71.2%	69.3%	68.1%	68.8%	65.6%	55.4%	56.7%	54.6%	84.3%	81.5%	79.2%
Waitemata	63.2%	61.9%	61.2%	74.3%	70.8%	66.5%	70.4%	69.4%	67.5%	77.2%	76.0%	74.1%
Auckland	56.6%	55.8%	53.6%	70.2%	68.3%	65.0%	55.4%	53.9%	51.7%	75.8%	76.1%	75.9%
Counties Manukau	68.1%	67.2%	65.8%	83.1%	80.4%	75.7%	69.2%	68.2%	66.7%	72.8%	71.7%	70.4%
Waikato	69.1%	68.8%	68.3%	78.0%	75.6%	72.6%	62.4%	63.4%	64.4%	81.4%	80.8%	80.1%
Lakes	72.3%	71.7%	74.9%	76.0%	76.4%	83.4%	50.4%	48.4%	49.1%	82.9%	81.6%	83.2%
Bay of Plenty	72.1%	70.9%	70.6%	72.5%	72.0%	72.4%	57.2%	54.9%	55.3%	89.1%	87.4%	87.1%
Tairāwhiti	70.2%	72.0%	71.8%	66.3%	63.8%	66.8%	53.8%	54.9%	58.1%	81.9%	80.7%	80.9%
Taranaki	75.6%	75.7%	76.3%	77.0%	79.4%	86.1%	66.8%	69.1%	67.5%	84.7%	83.8%	83.8%
Hawke's Bay	76.6%	75.1%	75.5%	75.1%	72.9%	74.1%	62.5%	62.8%	62.3%	81.6%	79.4%	77.8%
Whanganui	72.0%	71.0%	71.9%	68.0%	69.3%	74.4%	56.5%	54.3%	55.1%	83.2%	79.4%	79.3%
MidCentral	66.5%	64.5%	65.1%	74.5%	71.9%	73.6%	58.0%	58.3%	58.8%	81.0%	80.1%	80.0%
Hutt Valley	68.1%	66.5%	67.6%	71.3%	69.4%	68.5%	77.3%	76.9%	75.5%	78.9%	77.6%	77.2%
Capital and Coast	63.6%	61.9%	61.5%	65.2%	63.5%	65.9%	63.2%	61.7%	61.6%	82.2%	81.5%	83.4%
Wairarapa	72.5%	74.0%	69.8%	82.6%	90.4%	84.8%	71.3%	69.4%	67.1%	83.3%	80.2%	78.7%
Nelson Marlborough	72.6%	73.1%	72.4%	71.1%	70.8%	75.5%	63.3%	63.4%	64.7%	85.8%	83.7%	82.7%
West Coast	67.8%	67.2%	64.7%	56.3%	53.2%	59.6%	53.4%	53.2%	58.0%	77.9%	77.5%	76.8%
Canterbury	65.6%	64.8%	63.8%	74.5%	74.7%	76.7%	60.2%	62.4%	65.3%	77.5%	76.8%	76.3%
South Canterbury	66.7%	66.3%	65.5%	100.9%	100.8%	94.1%	59.1%	65.2%	68.5%	79.7%	79.2%	78.6%
Southern	68.7%	68.0%	67.5%	76.6%	78.2%	76.9%	50.4%	49.8%	49.7%	81.3%	81.3%	81.1%
National	<b>68.5%</b>	<b>67.7%</b>	<b>67.2%</b>	<b>76.1%</b>	<b>74.0%</b>	<b>71.2%</b>	<b>63.1%</b>	<b>62.3%</b>	<b>61.2%</b>	<b>80.0%</b>	<b>79.0%</b>	<b>78.4%</b>