



National
Cervical
Screening
Programme

NCSP New Zealand Northland District Health Board Coverage Report

For the period ending
30 September 2018

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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 2018 was extracted from the Ministry of Health NCSP Datamart on 25 October 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.

Northland coverage

Northland coverage by ethnicity in the three years ending 30 September 2018

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

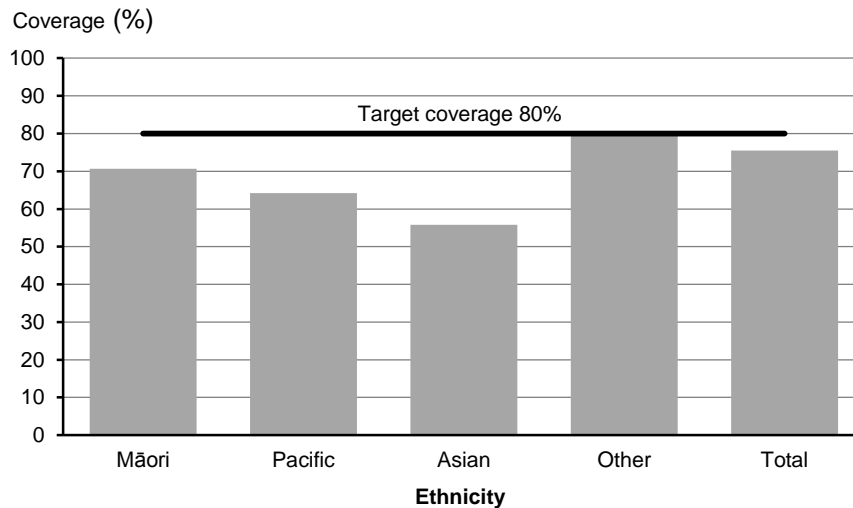


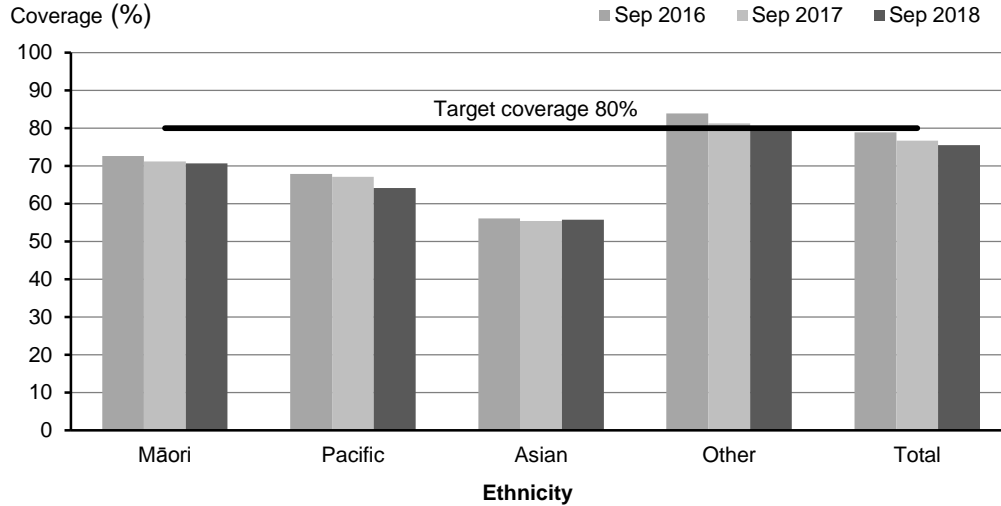
Table 1: NCSP coverage (%) in the three years ending 30 September 2018 by ethnicity, women aged 25–69 years, Total Coverage

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach target*
Māori	13,308	9,410	70.70%	1,236
Pacific	804	516	64.20%	127
Asian	2,334	1,303	55.80%	564
Other	27,372	21,874	79.90%	23
Total	43,818	33,103	75.50%	1,951

*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 2018 by ethnicity, Total Coverage



DHB coverage comparisons

DHB coverage by ethnicity in the three years ending 30 September 2018

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

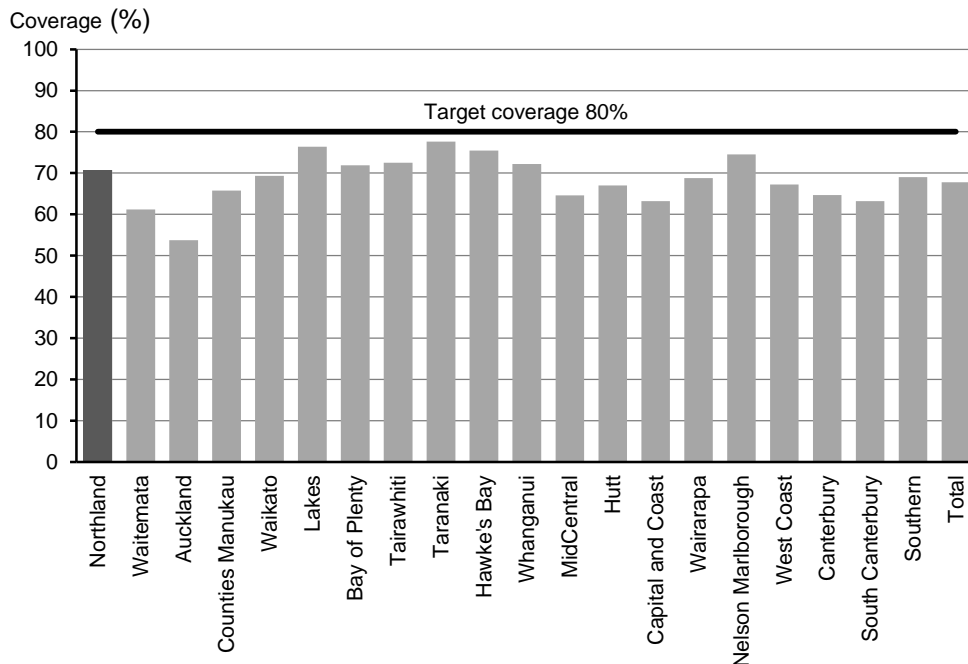


Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 30 September 2018 by District Health Board

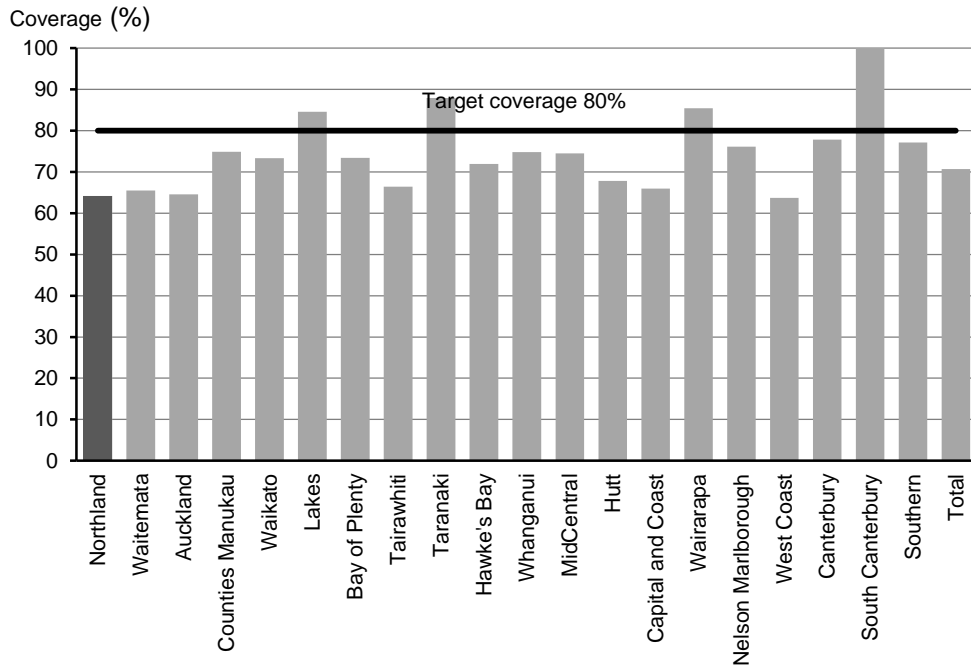


Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 September 2018 by District Health Board

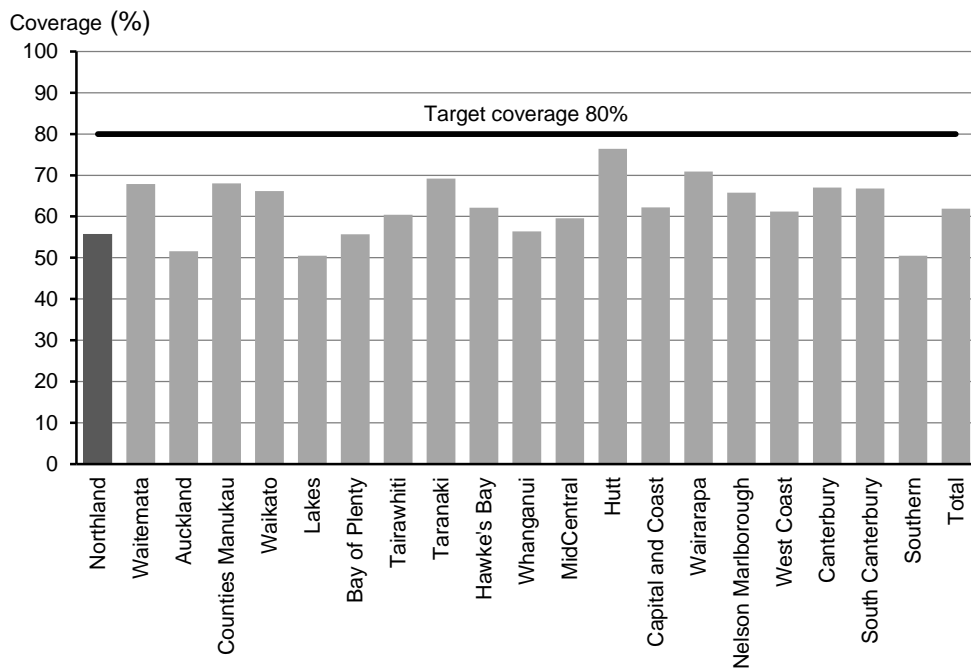


Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 September 2018 by District Health Board

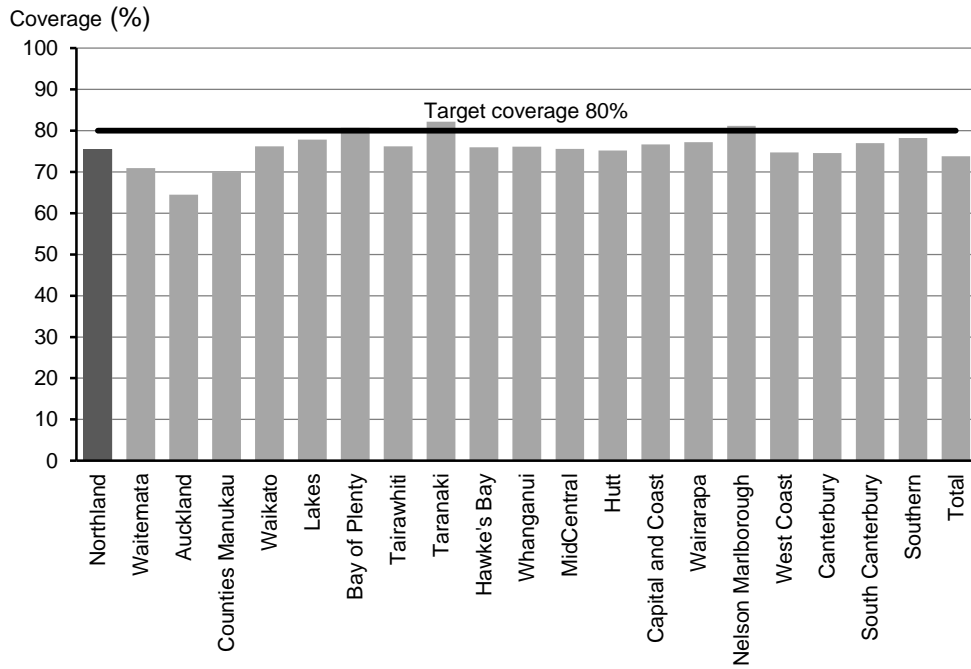


Figure 7: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 30 September 2018

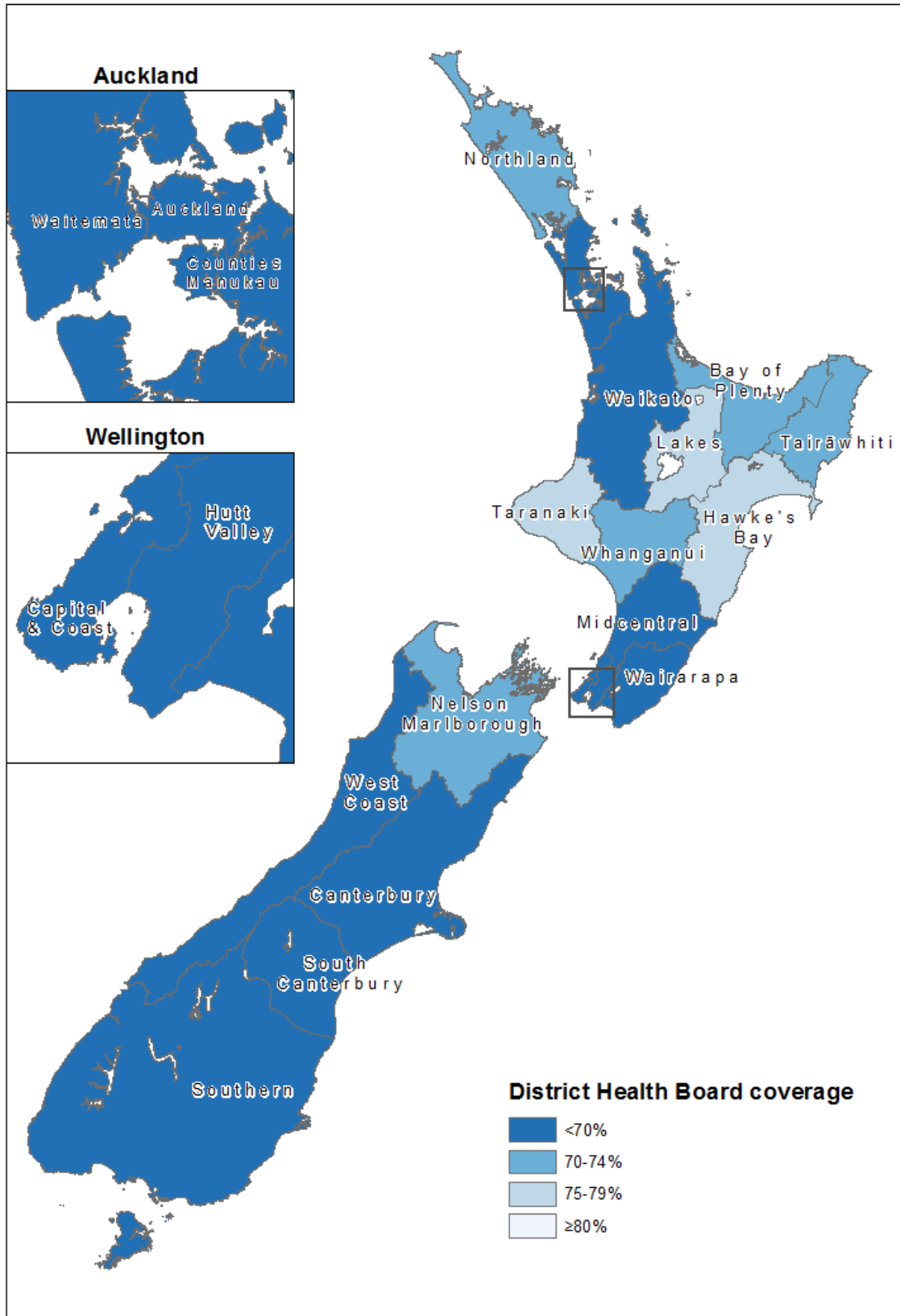


Figure 8: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 30 September 2018

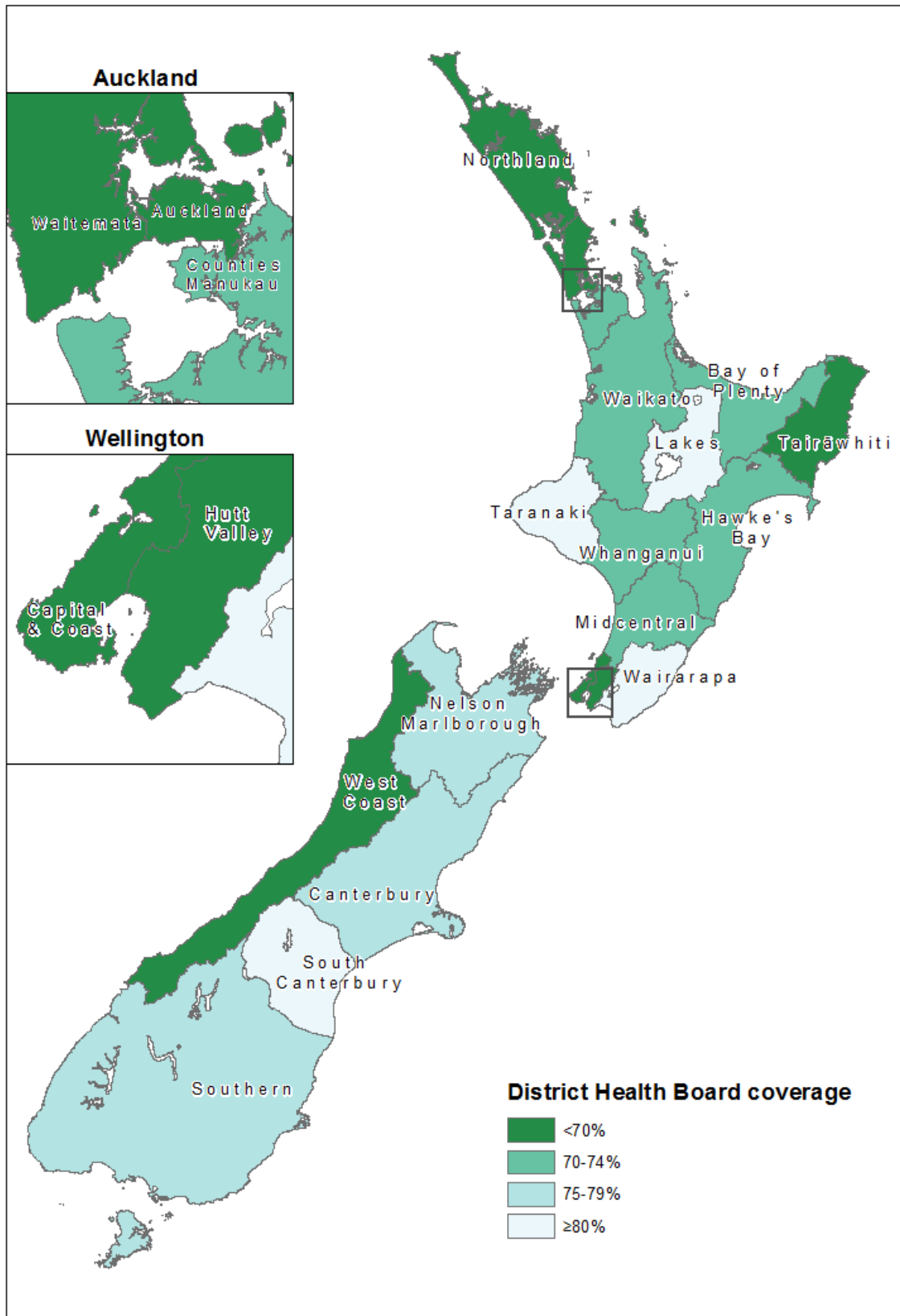


Figure 9: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 September 2018 by District Health Board

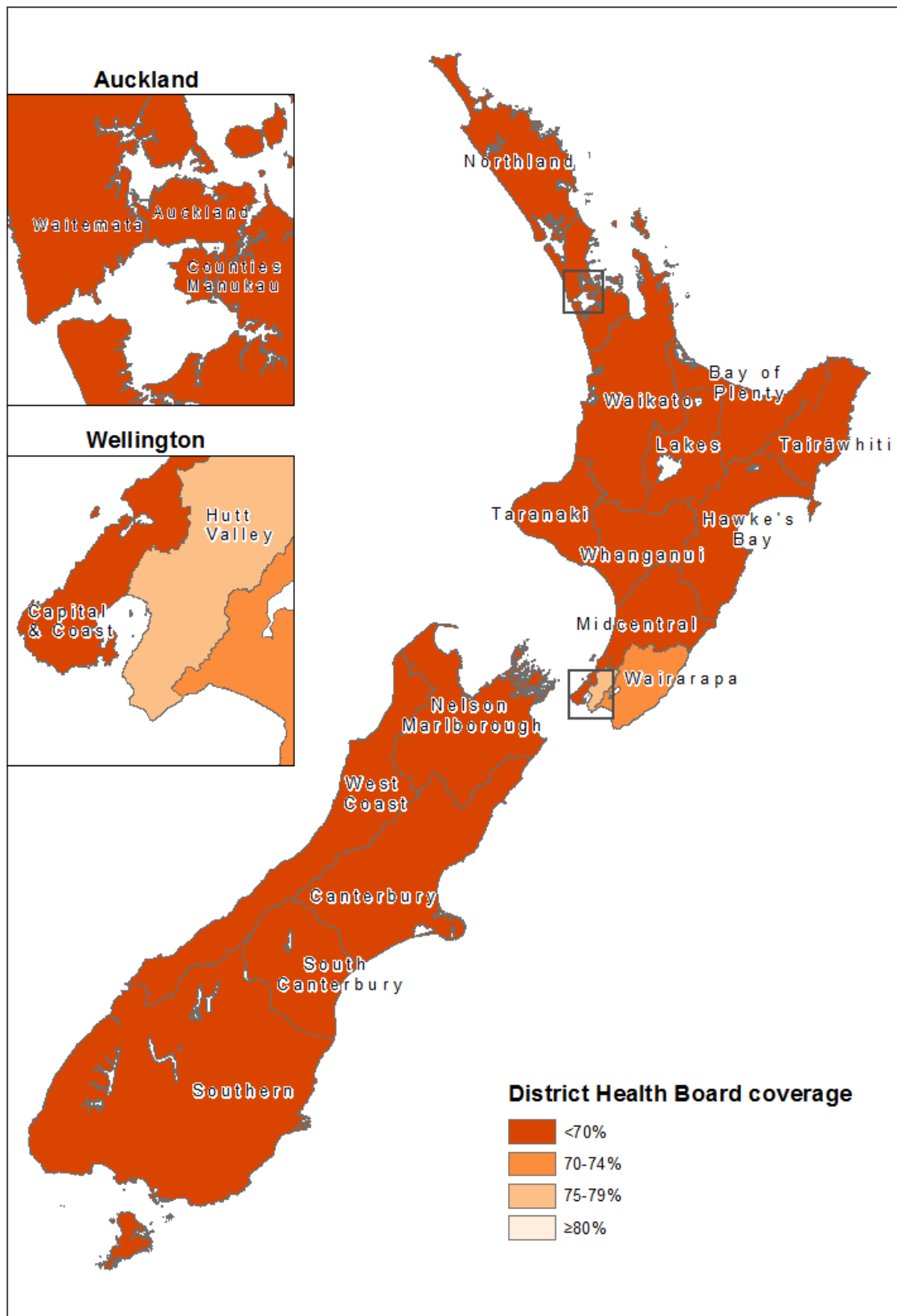


Figure 10: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 September 2018 by District Health Board

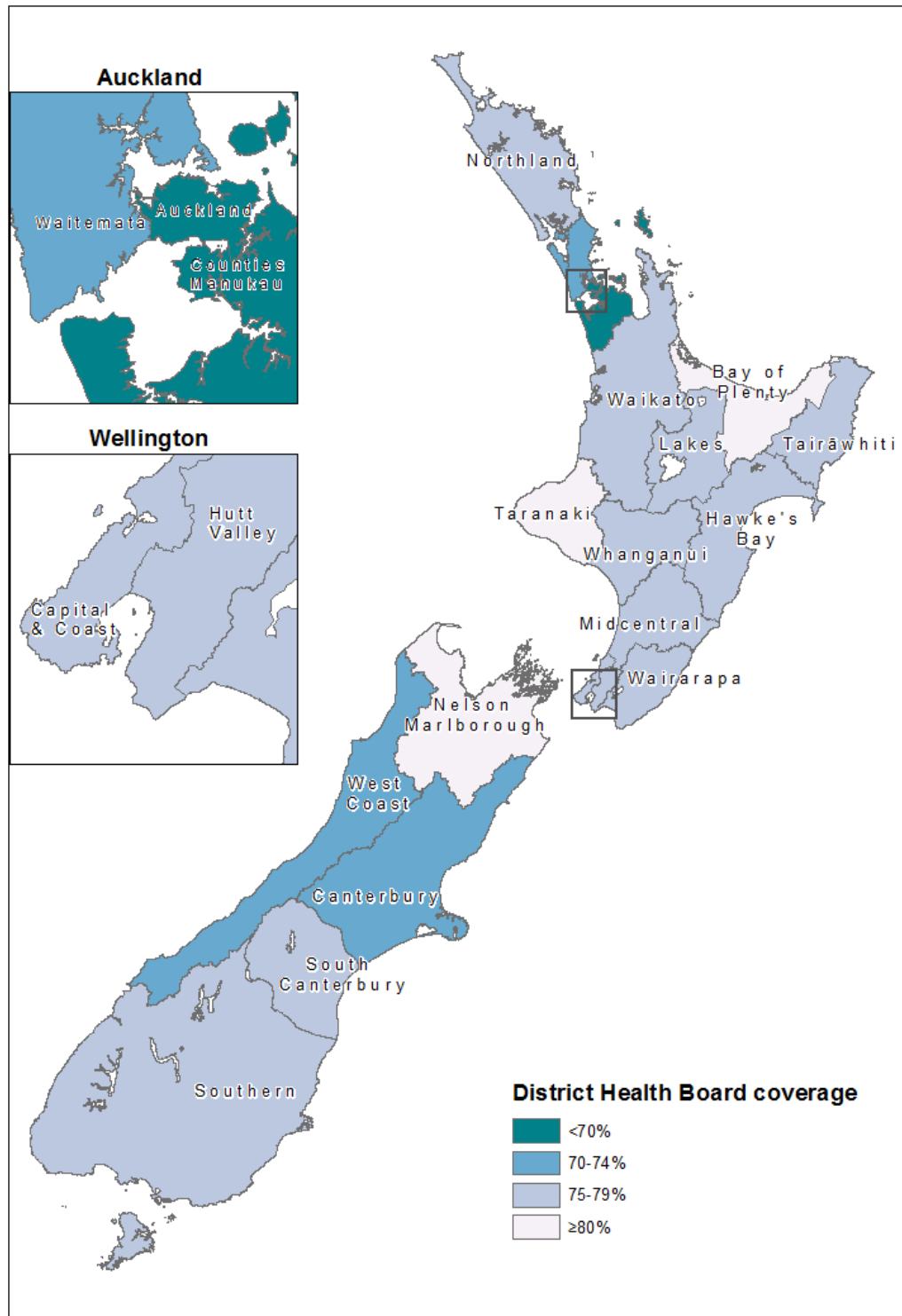


Table 2: NCSP number of screens and coverage (%) in women aged 25–69 years in the three years ending 30 September 2018 by District Health Board

DHB	Eligible Population					Screens					Coverage				
	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total
Northland	13,308	804	2,334	27,372	43,818	9,410	516	1,303	21,874	33,103	70.7%	64.2%	55.8%	79.9%	75.5%
Waitemata	13,545	10,398	42,174	102,792	168,909	8,295	6,811	28,633	76,010	119,749	61.2%	65.5%	67.9%	73.9%	70.9%
Auckland	10,780	14,008	55,738	74,221	154,747	5,794	9,046	28,781	56,120	99,741	53.7%	64.6%	51.6%	75.6%	64.5%
Counties Manukau	19,836	27,727	42,201	56,961	146,725	13,058	20,756	28,683	39,998	102,495	65.8%	74.9%	68.0%	70.2%	69.9%
Waikato	20,621	2,803	11,650	68,812	103,886	14,295	2,054	7,717	55,130	79,196	69.3%	73.3%	66.2%	80.1%	76.2%
Lakes	8,646	558	2,839	15,766	27,809	6,606	472	1,434	13,121	21,633	76.4%	84.6%	50.5%	83.2%	77.8%
Bay of Plenty	13,032	883	5,043	40,565	59,523	9,374	648	2,811	35,219	48,052	71.9%	73.4%	55.7%	86.8%	80.7%
Tairāwhiti	5,690	253	399	5,726	12,068	4,126	168	241	4,665	9,200	72.5%	66.4%	60.4%	81.5%	76.2%
Taranaki	4,715	298	1,547	23,546	30,106	3,658	262	1,071	19,745	24,736	77.6%	87.9%	69.2%	83.9%	82.2%
Hawke's Bay	9,294	1,174	2,366	28,265	41,099	7,019	844	1,469	21,917	31,249	75.5%	71.9%	62.1%	77.5%	76.0%
Whanganui	3,783	321	778	10,756	15,638	2,732	237	439	8,478	11,886	72.2%	73.8%	56.4%	78.8%	76.0%
MidCentral	7,538	1,039	4,003	31,137	43,717	4,866	774	2,387	25,018	33,045	64.6%	74.5%	59.6%	80.3%	75.6%
Hutt Valley	5,753	2,710	5,122	25,683	39,268	3,856	1,838	3,913	19,934	29,541	67.0%	67.8%	76.4%	77.6%	75.2%
Capital and Coast	8,609	5,391	14,049	56,676	84,725	5,445	3,556	8,735	47,238	64,974	63.2%	66.0%	62.2%	83.3%	76.7%
Wairarapa	1,662	171	392	8,991	11,216	1,144	146	278	7,092	8,660	68.8%	85.4%	70.9%	78.9%	77.2%
Nelson Marlborough	3,361	493	2,109	32,487	38,450	2,504	375	1,388	26,973	31,240	74.5%	76.1%	65.8%	83.0%	81.2%
West Coast	895	91	345	6,995	8,326	601	58	211	5,348	6,218	67.2%	63.7%	61.2%	76.5%	74.7%
Canterbury	10,504	2,893	16,366	112,930	142,693	6,796	2,251	10,961	86,408	106,416	64.7%	77.8%	67.0%	76.5%	74.6%
South Canterbury	1,058	119	671	13,048	14,896	669	121	448	10,239	11,477	63.2%	101.7%	66.8%	78.5%	77.0%
Southern	6,802	1,315	6,565	66,874	81,556	4,692	1,014	3,317	54,781	63,804	69.0%	77.1%	50.5%	81.9%	78.2%
National	169,432	73,449	216,691	809,603	1,269,175	114,940	51,947	134,220	635,308	936,415	67.8%	70.7%	61.9%	78.5%	73.8%

DHB coverage comparison trends by ethnicity

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

DHB	Māori			Pacific			Asian			Other		
	Sep-16	Sep-17	Sep-18	Sep-16	Sep-17	Sep-18	Sep-16	Sep-17	Sep-18	Sep-16	Sep-17	Sep-18
Northland	72.6%	71.2%	70.7%	67.9%	67.1%	64.2%	56.1%	55.4%	55.8%	83.9%	81.3%	79.9%
Waitemata	63.2%	62.1%	61.2%	72.7%	70.1%	65.5%	70.9%	69.8%	67.9%	76.9%	75.5%	73.9%
Auckland	56.4%	55.3%	53.7%	69.2%	67.4%	64.6%	54.8%	53.0%	51.6%	75.6%	75.5%	75.6%
Counties Manukau	68.2%	66.9%	65.8%	82.3%	79.8%	74.9%	69.6%	69.0%	68.0%	72.6%	71.2%	70.2%
Waikato	70.4%	69.8%	69.3%	79.5%	75.4%	73.3%	63.4%	63.8%	66.2%	81.4%	80.2%	80.1%
Lakes	73.2%	72.7%	76.4%	76.8%	78.6%	84.6%	50.3%	48.9%	50.5%	83.0%	81.6%	83.2%
Bay of Plenty	72.5%	71.4%	71.9%	74.2%	73.8%	73.4%	57.4%	55.3%	55.7%	89.1%	87.5%	86.8%
Tairāwhiti	70.6%	72.1%	72.5%	68.5%	67.9%	66.4%	55.3%	56.3%	60.4%	81.4%	81.0%	81.5%
Taranaki	76.8%	77.0%	77.6%	79.8%	84.7%	87.9%	68.3%	68.8%	69.2%	85.2%	84.3%	83.9%
Hawke's Bay	76.8%	76.2%	75.5%	73.8%	73.2%	71.9%	62.4%	62.9%	62.1%	80.8%	79.2%	77.5%
Whanganui	72.7%	70.8%	72.2%	68.7%	70.2%	73.8%	58.7%	55.3%	56.4%	82.1%	79.3%	78.8%
MidCentral	65.4%	64.0%	64.6%	73.9%	73.0%	74.5%	58.3%	58.0%	59.6%	80.6%	79.9%	80.3%
Hutt Valley	67.9%	66.2%	67.0%	71.8%	67.4%	67.8%	77.4%	77.8%	76.4%	79.1%	77.8%	77.6%
Capital and Coast	64.3%	62.4%	63.2%	64.7%	63.3%	66.0%	62.6%	61.8%	62.2%	81.7%	81.7%	83.3%
Wairarapa	73.4%	72.8%	68.8%	91.0%	91.7%	85.4%	70.6%	70.1%	70.9%	82.8%	80.2%	78.9%
Nelson Marlborough	74.3%	73.4%	74.5%	69.1%	73.2%	76.1%	63.3%	63.9%	65.8%	85.6%	83.4%	83.0%
West Coast	70.0%	68.2%	67.2%	50.0%	52.7%	63.7%	53.9%	54.9%	61.2%	77.7%	78.5%	76.5%
Canterbury	66.0%	65.0%	64.7%	74.3%	76.3%	77.8%	61.0%	63.4%	67.0%	77.3%	76.5%	76.5%
South Canterbury	66.1%	64.8%	63.2%	108.8%	101.7%	101.7%	60.6%	65.2%	66.8%	80.2%	79.3%	78.5%
Southern	69.4%	68.2%	69.0%	76.4%	77.5%	77.1%	50.4%	49.9%	50.5%	81.6%	81.0%	81.9%
Total	68.9%	67.9%	67.8%	75.5%	73.5%	70.7%	63.2%	62.4%	61.9%	79.8%	78.7%	78.5%