

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

For the period ending  
31 December 2021



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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.

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 December 2021 was extracted from the Ministry of Health NCSP Datamart on 25 January 2022.

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 2020 update based on the 2018 Census. The population update may result in changes to historic denominators (from the last census year to the date of this report), this means that the denominators in this report may differ from those published in previous years. The population projections have been adjusted for the prevalence of hysterectomy.

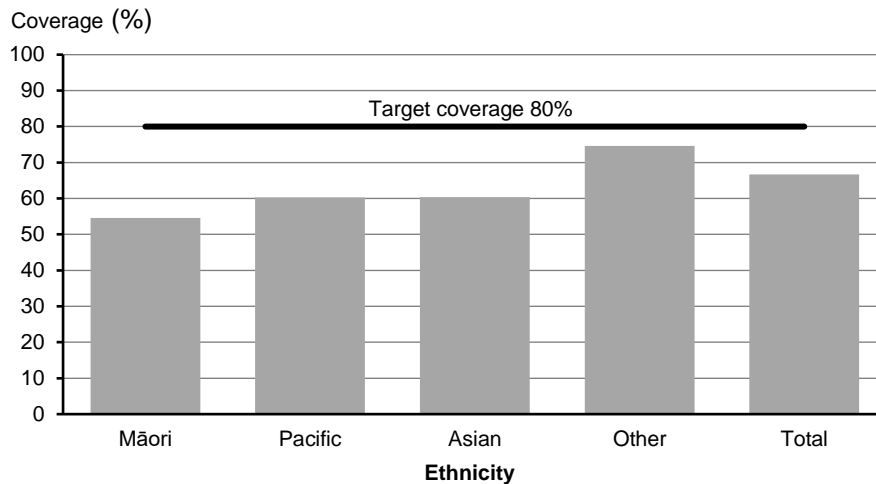
Additional detail on the methodology can be obtained via a request made to [nsu-dataenquiries@moh.govt.nz](mailto:nsu-dataenquiries@moh.govt.nz).

Please note the maps showing coverage by ethnicity (usually figures 7-10) are not available for the March 2020 reports, please see <https://minhealthnz.shinyapps.io/nsu-ncsp-coverage/> for current ethnicity coverage maps.

## Northland coverage

### Northland coverage by ethnicity in the three years ending 31 December 2021

**Figure 1: NCSP coverage (%) in the three years ending 31 December 2021 by ethnicity, women aged 25–69 years, Total Coverage**



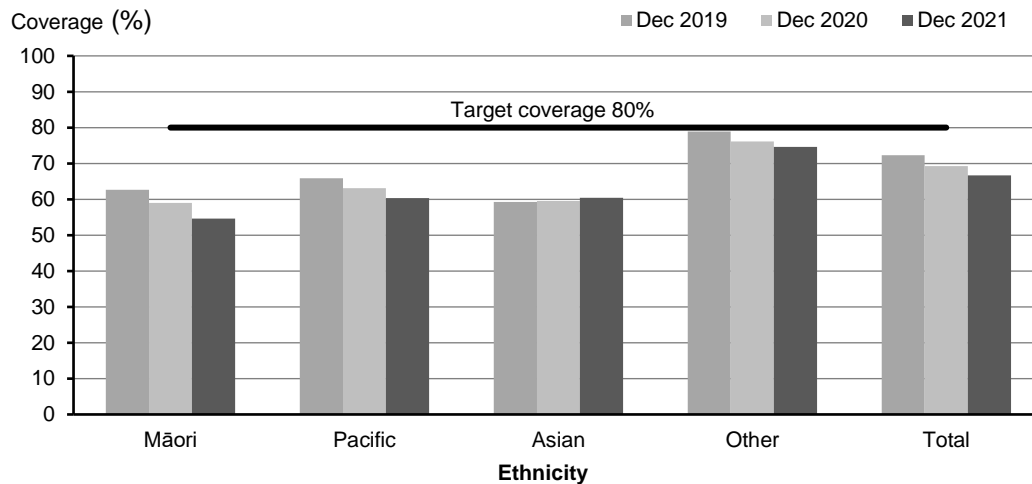
**Table 1: NCSP coverage (%) in the three years ending 31 December 2021 by ethnicity, women aged 25–69 years, Total Coverage**

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach target*
Māori	16,997	9,283	54.60%	4,314
Pacific	917	553	60.30%	180
Asian	2,607	1,575	60.40%	510
Other	29,051	21,661	74.60%	1,579
<b>Total</b>	<b>49,572</b>	<b>33,072</b>	<b>66.70%</b>	<b>6,585</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

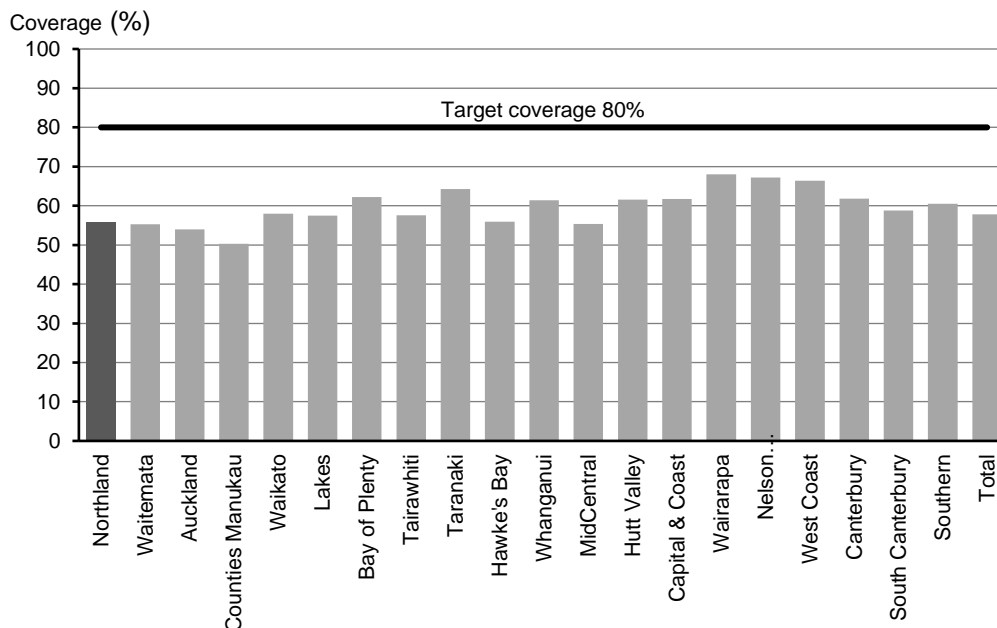
**Figure 2: NCSP coverage (%) of women aged 25–69 years in the three years ending 31 December 2021 by ethnicity, Total Coverage**



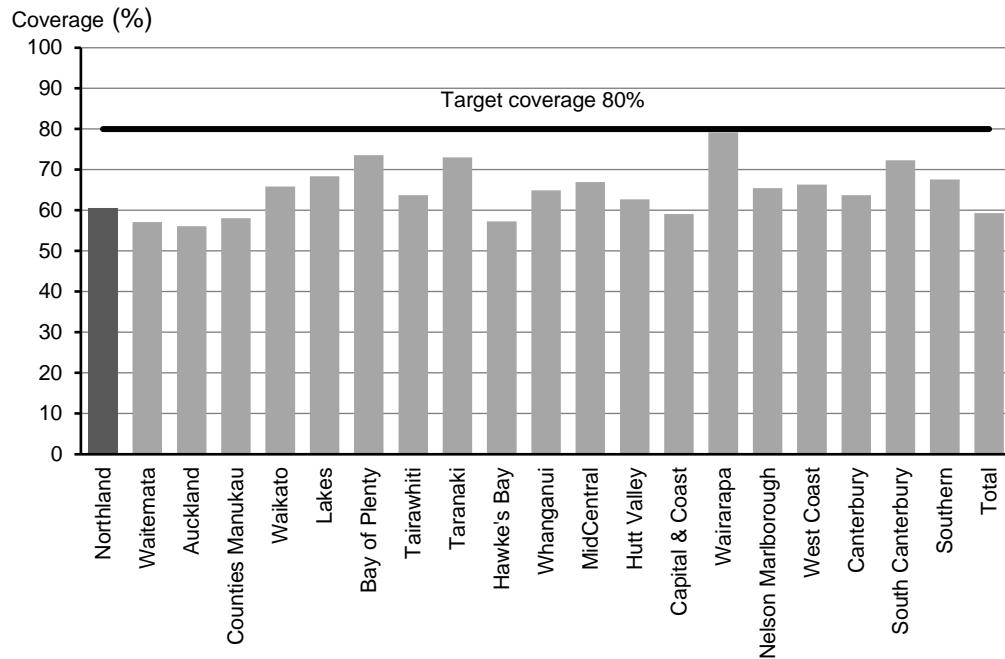
## DHB coverage comparisons

### DHB coverage by ethnicity in the three years ending 31 December 2021

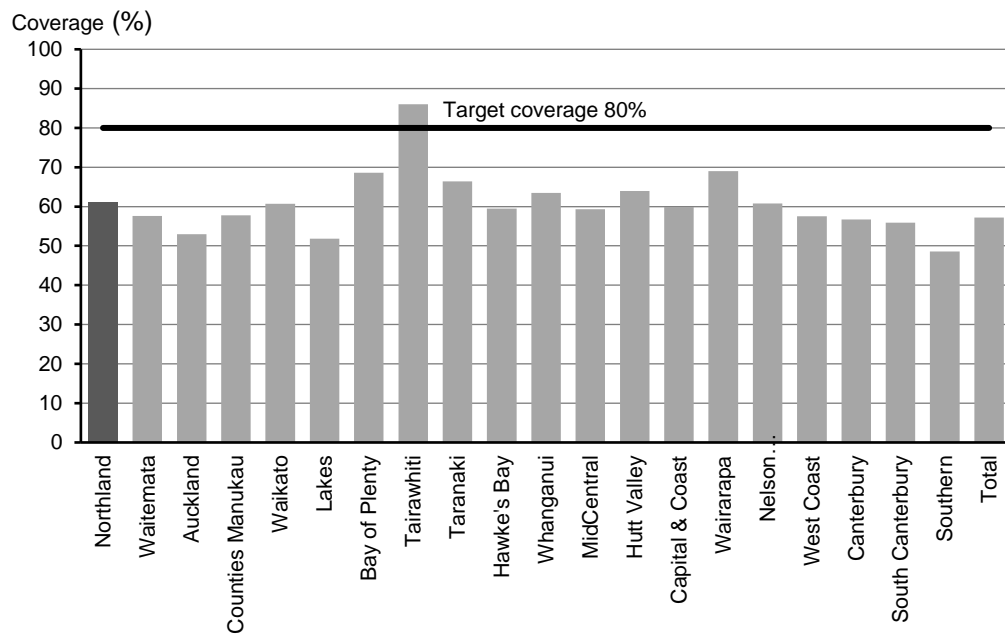
**Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 31 December 2021 by District Health Board**



**Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 31 December 2021 by District Health Board**

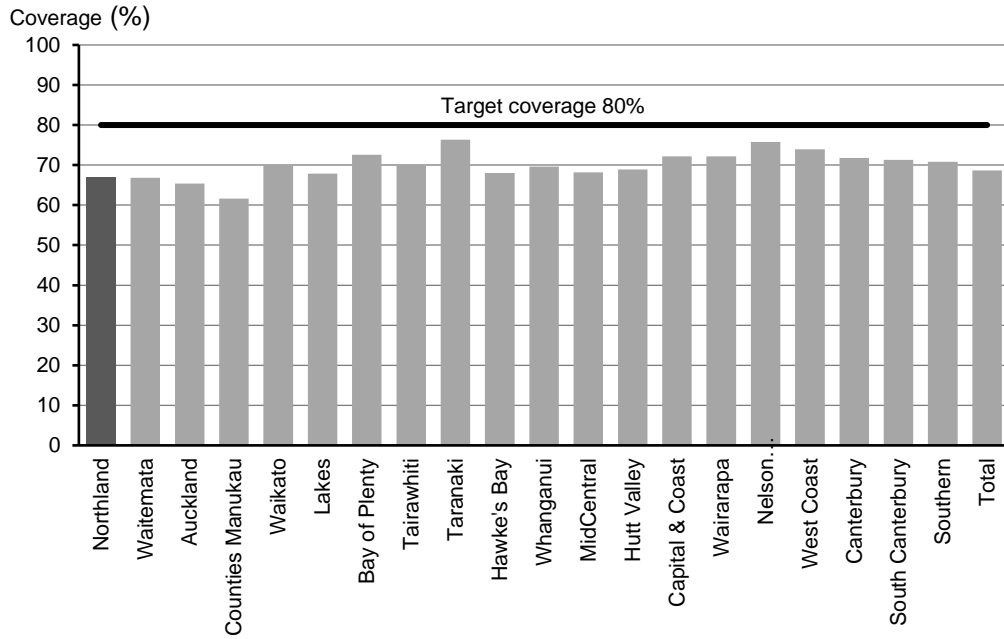


**Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 31 December 2021 by District Health Board**





**Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 31 December 2021 by District Health Board**



**Table 2: NCSP number of screens and coverage (%) in women aged 25–69 years in the three years ending 31 December 2021 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	16,997	917	2,607	29,051	49,572	9,283	553	1,575	21,661	33,072	54.6%	60.3%	60.4%	74.6%	66.7%
Waitemata	14,730	11,367	55,935	97,538	179,570	8,010	6,290	31,526	72,084	117,910	54.4%	55.3%	56.4%	73.9%	65.7%
Auckland	10,553	14,062	55,778	66,969	147,362	5,545	7,708	28,646	52,543	94,442	52.5%	54.8%	51.4%	78.5%	64.1%
Counties Manukau	23,117	31,829	53,440	50,722	159,108	11,329	18,038	30,555	36,704	96,626	49.0%	56.7%	57.2%	72.4%	60.7%
Waikato	24,909	3,103	15,143	70,772	113,927	14,160	2,008	9,046	52,962	78,176	56.8%	64.7%	59.7%	74.8%	68.6%
Lakes	10,926	682	3,357	16,180	31,145	6,251	468	1,780	12,608	21,107	57.2%	68.6%	53.0%	77.9%	67.8%
Bay of Plenty	16,001	1,030	5,443	46,725	69,199	9,898	760	3,769	35,941	50,368	61.9%	73.8%	69.2%	76.9%	72.8%
Tairāwhiti	6,982	264	366	5,288	12,900	3,935	162	331	4,502	8,930	56.4%	61.4%	90.4%	85.1%	69.2%
Taranaki	5,810	387	1,830	24,417	32,444	3,786	271	1,215	19,551	24,823	65.2%	70.0%	66.4%	80.1%	76.5%
Hawke's Bay	11,926	1,536	2,944	29,540	45,946	6,505	877	1,780	22,001	31,163	54.5%	57.1%	60.5%	74.5%	67.8%
Whanganui	4,624	403	855	11,545	17,427	2,817	260	532	8,434	12,043	60.9%	64.5%	62.2%	73.1%	69.1%
MidCentral	9,114	1,250	4,416	32,979	47,759	5,039	847	2,642	24,207	32,735	55.3%	67.8%	59.8%	73.4%	68.5%
Hutt Valley	6,777	3,025	7,308	26,492	43,602	4,212	1,910	4,751	19,340	30,213	62.2%	63.1%	65.0%	73.0%	69.3%
Capital & Coast	9,674	5,875	16,028	58,446	90,023	5,921	3,448	9,769	46,076	65,214	61.2%	58.7%	60.9%	78.8%	72.4%
Wairarapa	2,014	216	498	9,939	12,667	1,385	164	345	7,315	9,209	68.8%	75.9%	69.3%	73.6%	72.7%
Nelson Marlborough	4,085	656	2,998	34,736	42,475	2,799	442	1,858	27,532	32,631	68.5%	67.4%	62.0%	79.3%	76.8%
West Coast	997	105	443	7,081	8,626	661	68	263	5,423	6,415	66.3%	64.8%	59.4%	76.6%	74.4%
Canterbury	13,098	3,813	24,985	114,716	156,612	8,107	2,462	14,304	88,481	113,354	61.9%	64.6%	57.3%	77.1%	72.4%
South Canterbury	1,245	208	1,158	13,519	16,130	725	145	650	10,068	11,588	58.2%	69.7%	56.1%	74.5%	71.8%
Southern	8,404	1,694	8,637	73,169	91,904	5,119	1,128	4,232	55,288	65,767	60.9%	66.6%	49.0%	75.6%	71.6%
<b>National</b>	<b>201,983</b>	<b>82,422</b>	<b>264,169</b>	<b>819,824</b>	<b>1,368,398</b>	<b>115,487</b>	<b>48,009</b>	<b>149,569</b>	<b>622,721</b>	<b>935,786</b>	<b>57.2%</b>	<b>58.2%</b>	<b>56.6%</b>	<b>76.0%</b>	<b>68.4%</b>

## DHB coverage comparison trends by ethnicity

**Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 31 December, 2019, 2020, 2021, by ethnicity and District Health Board**

DHB	Māori			Pacific			Asian			Other		
	Dec-19	Dec-20	Dec-21	Dec-19	Dec-20	Dec-21	Dec-19	Dec-20	Dec-21	Dec-19	Dec-20	Dec-21
Northland	62.7%	59.0%	54.6%	65.9%	63.1%	60.3%	59.3%	59.5%	60.4%	78.9%	76.1%	74.6%
Waitemata	59.8%	57.6%	54.4%	63.2%	59.1%	55.3%	61.5%	58.7%	56.4%	77.9%	76.3%	73.9%
Auckland	57.1%	55.3%	52.5%	62.5%	59.2%	54.8%	54.3%	53.6%	51.4%	76.8%	77.8%	78.5%
Counties Manukau	55.7%	52.8%	49.0%	66.3%	61.7%	56.7%	61.0%	58.6%	57.2%	74.3%	72.9%	72.4%
Waikato	63.6%	60.6%	56.8%	72.6%	69.1%	64.7%	61.4%	60.7%	59.7%	79.2%	77.9%	74.8%
Lakes	64.9%	60.6%	57.2%	75.2%	69.3%	68.6%	50.7%	50.6%	53.0%	80.9%	78.0%	77.9%
Bay of Plenty	65.7%	64.1%	61.9%	77.0%	74.7%	73.8%	63.9%	64.9%	69.2%	79.9%	77.5%	76.9%
Tairāwhiti	64.9%	61.4%	56.4%	65.0%	60.0%	61.4%	75.3%	77.2%	90.4%	85.9%	82.9%	85.1%
Taranaki	67.1%	66.1%	65.2%	74.5%	72.3%	70.0%	61.7%	62.9%	66.4%	83.0%	81.0%	80.1%
Hawke's Bay	63.6%	59.0%	54.5%	61.4%	58.4%	57.1%	57.5%	57.3%	60.5%	75.9%	74.0%	74.5%
Whanganui	67.1%	64.2%	60.9%	65.8%	62.7%	64.5%	62.5%	62.1%	62.2%	75.8%	74.0%	73.1%
MidCentral	60.9%	58.6%	55.3%	72.2%	68.0%	67.8%	59.5%	59.0%	59.8%	76.7%	74.2%	73.4%
Hutt Valley	63.0%	61.9%	62.2%	65.1%	63.7%	63.1%	64.8%	64.0%	65.0%	74.4%	73.4%	73.0%
Capital & Coast	63.5%	62.3%	61.2%	63.3%	60.8%	58.7%	60.1%	58.8%	60.9%	76.8%	76.8%	78.8%
Wairarapa	68.2%	69.0%	68.8%	66.8%	72.1%	75.9%	60.9%	60.4%	69.3%	76.9%	74.2%	73.6%
Nelson Marlborough	66.6%	66.1%	68.5%	63.6%	65.0%	67.4%	55.3%	56.8%	62.0%	79.5%	78.3%	79.3%
West Coast	70.2%	69.4%	66.3%	74.7%	65.0%	64.8%	49.4%	52.8%	59.4%	78.6%	77.2%	76.6%
Canterbury	64.9%	63.0%	61.9%	66.5%	65.9%	64.6%	55.8%	56.2%	57.3%	77.5%	76.6%	77.1%
South Canterbury	61.3%	57.0%	58.2%	78.9%	74.1%	69.7%	49.5%	51.6%	56.1%	75.6%	74.6%	74.5%
Southern	63.4%	61.4%	60.9%	69.9%	65.7%	66.6%	47.0%	46.6%	49.0%	75.1%	74.4%	75.6%
<b>National</b>	<b>62.5%</b>	<b>60.0%</b>	<b>57.2%</b>	<b>65.5%</b>	<b>61.9%</b>	<b>58.2%</b>	<b>58.6%</b>	<b>57.3%</b>	<b>56.6%</b>	<b>77.5%</b>	<b>76.3%</b>	<b>76.0%</b>