



National
Cervical
Screening
Programme

NCSP New Zealand Northland District Health Board Coverage Report

For the period ending
30 September 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 30 September 2021 was extracted from the Ministry of Health NCSP Datamart on 26 October 2021.

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.

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 30 September 2021

Figure 1: NCSP coverage (%) in the three years ending 30 September 2021 by ethnicity, women aged 25–69 years, Total Coverage

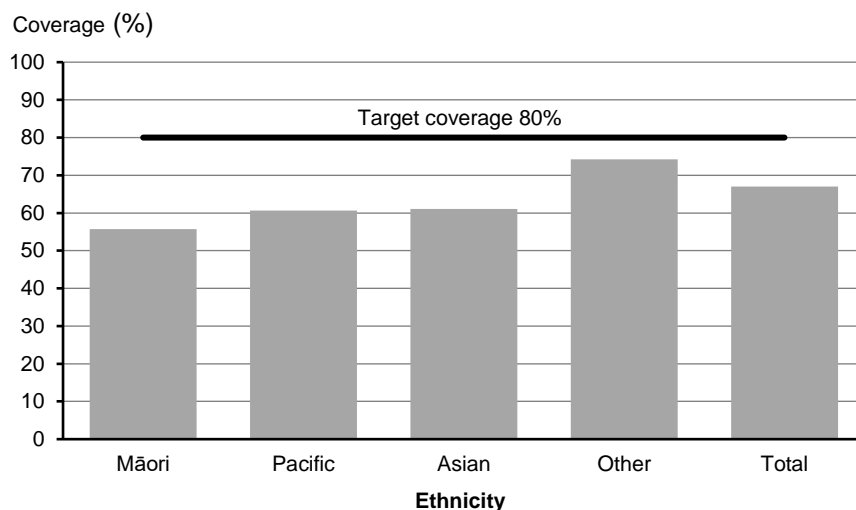


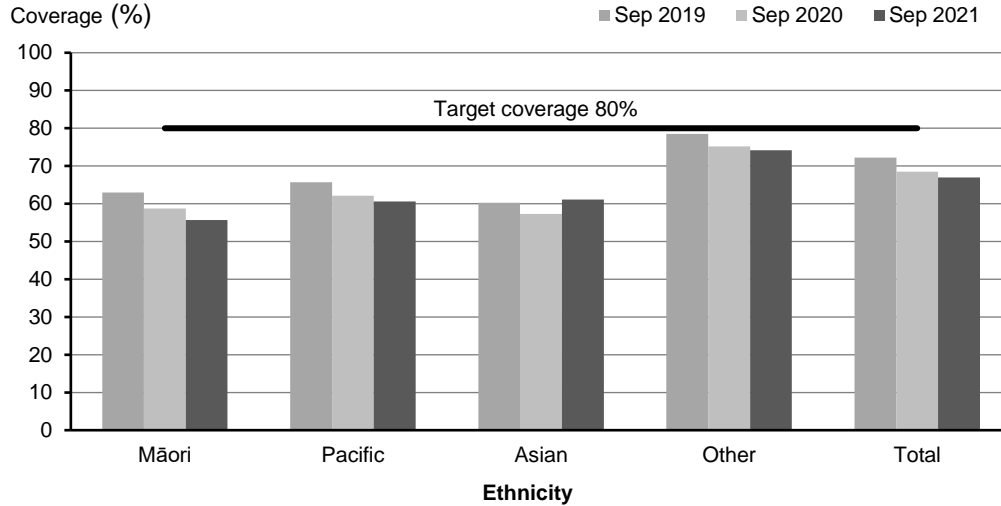
Table 1: NCSP coverage (%) in the three years ending 30 September 2021 by ethnicity, women aged 25–69 years, Total Coverage

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach target*
Māori	16,912	9,416	55.70%	4,113
Pacific	916	555	60.60%	177
Asian	2,588	1,581	61.10%	489
Other	29,130	21,622	74.20%	1,682
Total	49,546	33,174	67.00%	6,462

*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 2021 by ethnicity, Total Coverage



DHB coverage comparisons

DHB coverage by ethnicity in the three years ending 30 September 2021

Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 30 September 2021 by District Health Board

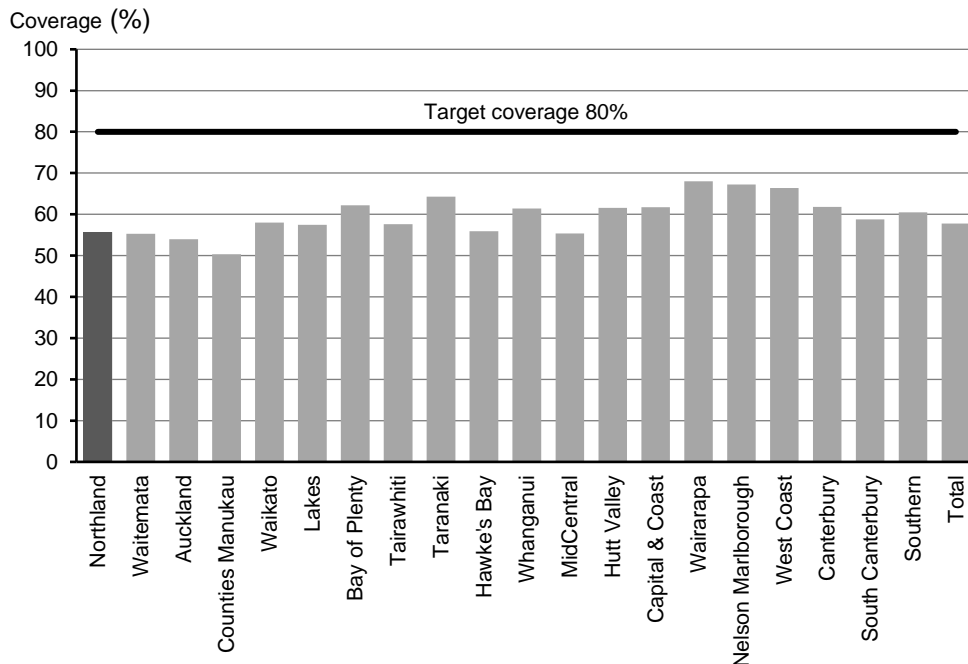


Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 30 September 2021 by District Health Board

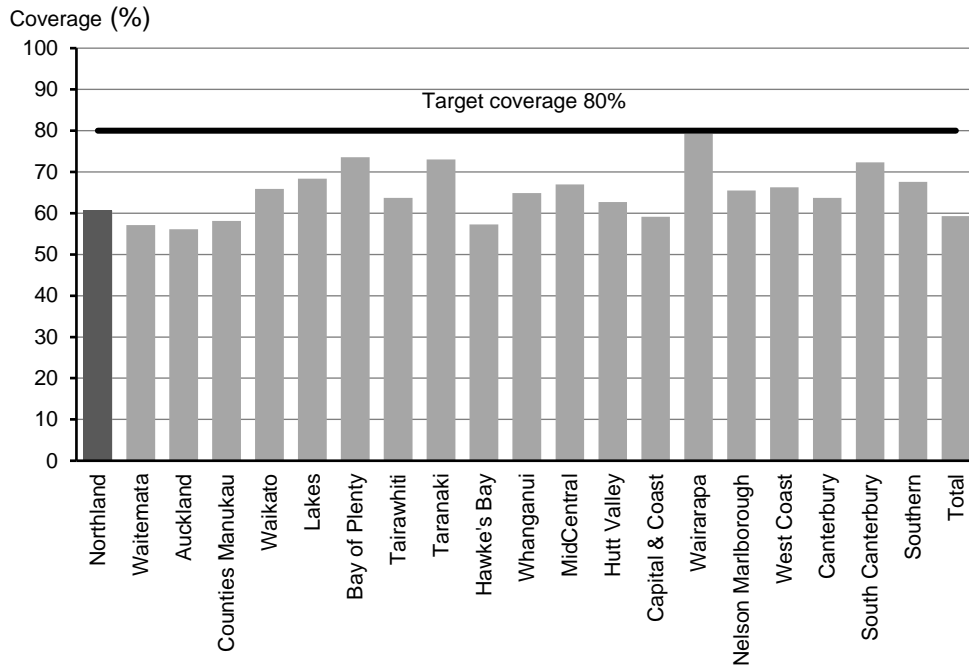


Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 September 2021 by District Health Board

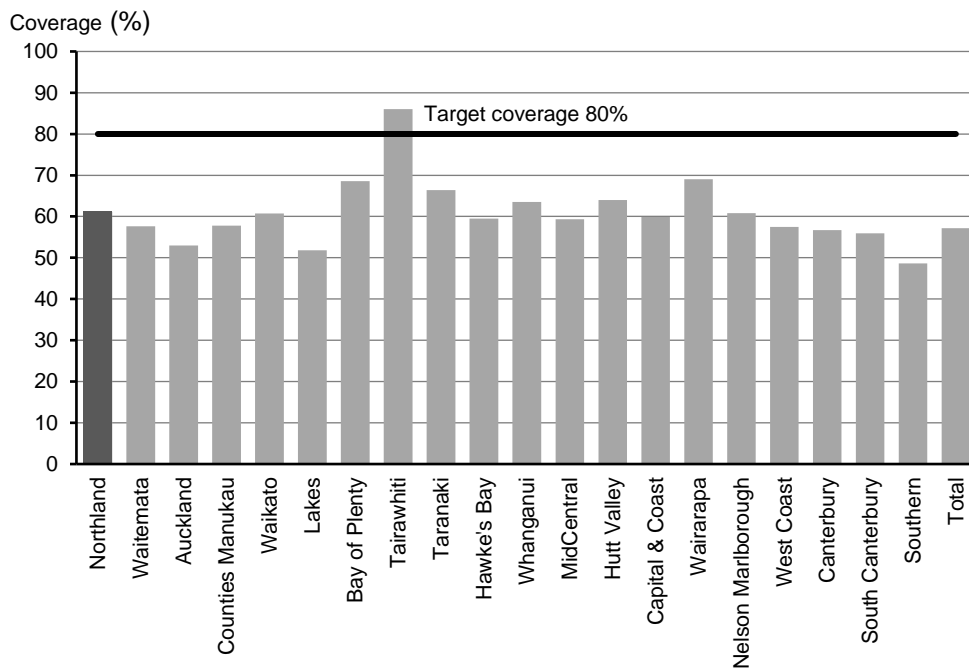


Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 September 2021 by District Health Board

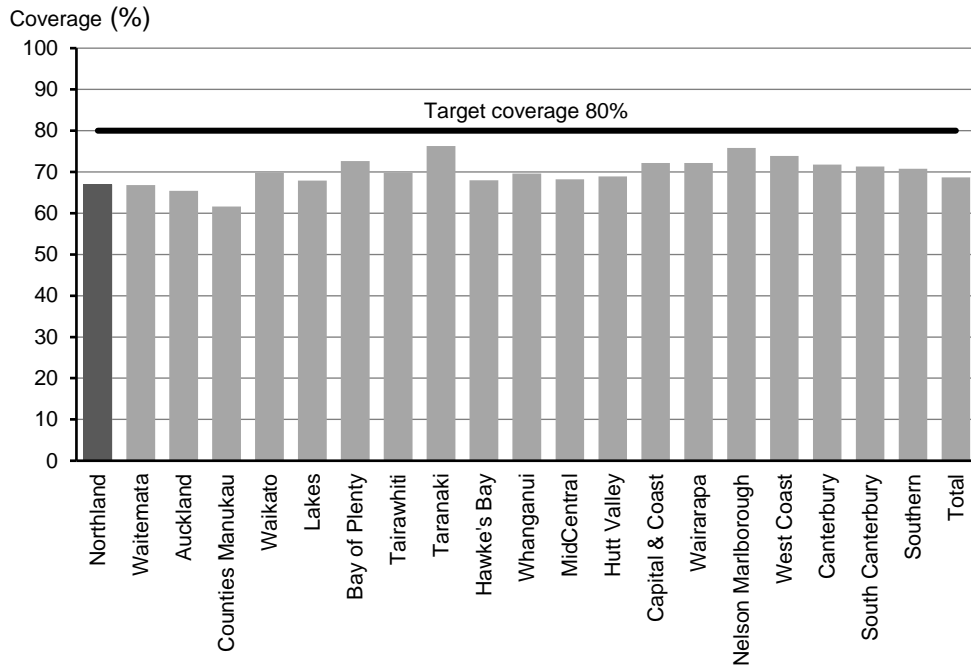


Table 2: NCSP number of screens and coverage (%) in women aged 25–69 years in the three years ending 30 September 2021 by District Health Board

DHB	Eligible Population					Screens					Coverage				
	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total
Northland	16,912	916	2,588	29,130	49,546	9,416	555	1,581	21,622	33,174	55.7%	60.6%	61.1%	74.2%	67.0%
Waitemata	14,670	11,287	55,567	97,469	178,993	8,119	6,441	31,996	73,099	119,655	55.3%	57.1%	57.6%	75.0%	66.8%
Auckland	10,511	13,996	55,361	67,058	146,926	5,676	7,856	29,325	53,175	96,032	54.0%	56.1%	53.0%	79.3%	65.4%
Counties Manukau	22,978	31,604	53,146	50,807	158,535	11,556	18,359	30,726	37,040	97,681	50.3%	58.1%	57.8%	72.9%	61.6%
Waikato	24,781	3,086	15,044	70,819	113,730	14,364	2,033	9,126	53,847	79,370	58.0%	65.9%	60.7%	76.0%	69.8%
Lakes	10,855	683	3,350	16,221	31,109	6,237	467	1,736	12,689	21,129	57.5%	68.4%	51.8%	78.2%	67.9%
Bay of Plenty	15,947	1,024	5,413	46,721	69,105	9,922	754	3,716	35,787	50,179	62.2%	73.6%	68.6%	76.6%	72.6%
Tairāwhiti	6,936	259	365	5,322	12,882	3,994	165	314	4,518	8,991	57.6%	63.7%	86.0%	84.9%	69.8%
Taranaki	5,784	382	1,822	24,439	32,427	3,720	279	1,210	19,536	24,745	64.3%	73.0%	66.4%	79.9%	76.3%
Hawke's Bay	11,851	1,534	2,927	29,606	45,918	6,622	879	1,743	22,003	31,247	55.9%	57.3%	59.5%	74.3%	68.0%
Whanganui	4,594	406	853	11,567	17,420	2,821	257	533	8,379	11,990	61.4%	63.3%	62.5%	72.4%	68.8%
MidCentral	9,063	1,241	4,395	33,003	47,702	5,019	832	2,607	24,095	32,553	55.4%	67.0%	59.3%	73.0%	68.2%
Hutt Valley	6,747	3,016	7,265	26,498	43,526	4,158	1,890	4,649	19,297	29,994	61.6%	62.7%	64.0%	72.8%	68.9%
Capital & Coast	9,600	5,856	15,923	58,508	89,887	5,922	3,458	9,534	46,022	64,936	61.7%	59.1%	59.9%	78.7%	72.2%
Wairarapa	2,006	212	493	9,939	12,650	1,365	168	340	7,254	9,127	68.0%	79.2%	69.0%	73.0%	72.2%
Nelson Marlborough	4,071	655	2,973	34,801	42,500	2,737	429	1,807	27,253	32,226	67.2%	65.5%	60.8%	78.3%	75.8%
West Coast	991	104	442	7,103	8,640	658	69	254	5,402	6,383	66.4%	66.3%	57.5%	76.1%	73.9%
Canterbury	12,998	3,796	24,832	114,723	156,349	8,031	2,419	14,068	87,815	112,333	61.8%	63.7%	56.7%	76.5%	71.8%
South Canterbury	1,247	202	1,148	13,532	16,129	733	146	642	9,984	11,505	58.8%	72.3%	55.9%	73.8%	71.3%
Southern	8,339	1,674	8,559	73,234	91,806	5,042	1,132	4,159	54,645	64,978	60.5%	67.6%	48.6%	74.6%	70.8%
National	200,881	81,933	262,466	820,500	1,365,780	116,112	48,588	150,066	623,462	938,228	57.8%	59.3%	57.2%	76.0%	68.7%

DHB coverage comparison trends by ethnicity

Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 September, 2019, 2020, 2021, by ethnicity and District Health Board

DHB	Māori			Pacific			Asian			Other		
	Sep-19	Sep-20	Sep-21	Sep-19	Sep-20	Sep-21	Sep-19	Sep-20	Sep-21	Sep-19	Sep-20	Sep-21
Northland	63.0%	58.7%	55.7%	65.7%	62.1%	60.6%	60.3%	57.3%	61.1%	78.5%	75.2%	74.2%
Waitemata	59.9%	57.5%	55.3%	63.4%	59.7%	57.1%	61.6%	57.6%	57.6%	77.5%	75.6%	75.0%
Auckland	57.3%	55.6%	54.0%	62.3%	59.3%	56.1%	54.4%	52.8%	53.0%	76.8%	76.8%	79.3%
Counties Manukau	56.2%	53.0%	50.3%	66.5%	61.8%	58.1%	61.2%	57.5%	57.8%	74.3%	72.4%	72.9%
Waikato	63.4%	60.9%	58.0%	72.4%	69.0%	65.9%	61.3%	59.2%	60.7%	79.3%	77.0%	76.0%
Lakes	64.9%	60.8%	57.5%	73.6%	70.4%	68.4%	49.4%	48.6%	51.8%	80.5%	77.7%	78.2%
Bay of Plenty	65.5%	63.6%	62.2%	74.5%	72.7%	73.6%	64.0%	63.5%	68.6%	80.0%	77.1%	76.6%
Tairāwhiti	65.3%	61.5%	57.6%	66.7%	57.1%	63.7%	72.9%	75.5%	86.0%	85.5%	81.7%	84.9%
Taranaki	66.3%	64.7%	64.3%	76.9%	72.2%	73.0%	62.5%	60.9%	66.4%	82.5%	80.0%	79.9%
Hawke's Bay	63.9%	59.6%	55.9%	61.2%	59.2%	57.3%	58.1%	55.0%	59.5%	75.8%	73.5%	74.3%
Whanganui	65.5%	63.8%	61.4%	63.9%	63.9%	63.3%	62.1%	61.6%	62.5%	74.9%	73.5%	72.4%
MidCentral	61.6%	58.3%	55.4%	72.3%	67.1%	67.0%	60.1%	57.9%	59.3%	77.3%	73.9%	73.0%
Hutt Valley	63.6%	62.0%	61.6%	64.2%	63.3%	62.7%	65.7%	62.8%	64.0%	74.6%	72.8%	72.8%
Capital & Coast	63.8%	62.1%	61.7%	64.1%	61.2%	59.1%	60.1%	57.8%	59.9%	76.5%	76.1%	78.7%
Wairarapa	67.8%	68.4%	68.0%	65.5%	66.4%	79.2%	63.1%	59.5%	69.0%	76.9%	73.1%	73.0%
Nelson Marlborough	65.4%	65.9%	67.2%	64.2%	65.2%	65.5%	54.8%	55.2%	60.8%	79.0%	77.9%	78.3%
West Coast	68.9%	67.7%	66.4%	72.3%	67.0%	66.3%	47.4%	51.5%	57.5%	77.2%	75.8%	76.1%
Canterbury	64.7%	62.7%	61.8%	66.0%	65.4%	63.7%	55.5%	54.6%	56.7%	77.0%	76.0%	76.5%
South Canterbury	60.2%	56.6%	58.8%	78.1%	76.1%	72.3%	46.9%	50.2%	55.9%	75.4%	74.4%	73.8%
Southern	63.2%	61.3%	60.5%	70.8%	66.6%	67.6%	46.7%	45.8%	48.6%	74.7%	73.9%	74.6%
National	62.6%	59.9%	57.8%	65.5%	62.0%	59.3%	58.6%	56.1%	57.2%	77.3%	75.6%	76.0%