

NCSP New Zealand Northland District Health Board Coverage Report

For the period ending
31 March 2022



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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 March 2022 was extracted from the Ministry of Health NCSP Datamart on 26 April 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.

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 March 2022

Figure 1: NCSP coverage (%) in the three years ending 31 March 2022 by ethnicity, women aged 25–69 years, Total Coverage

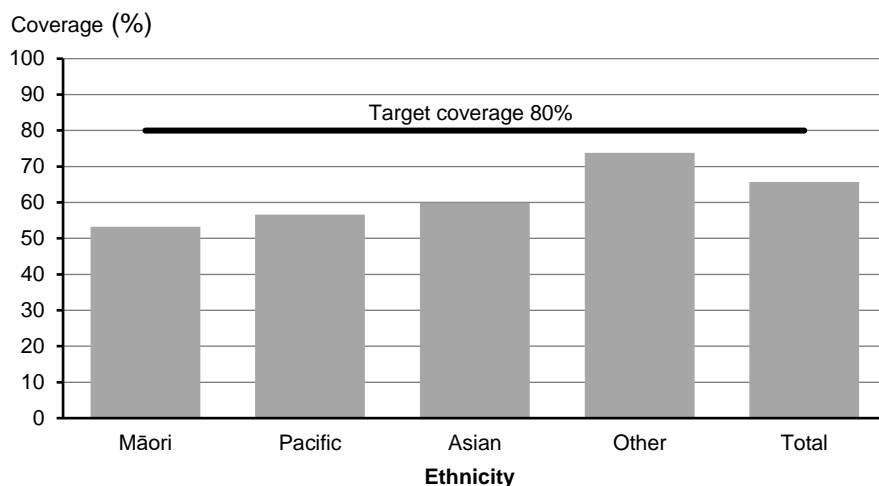


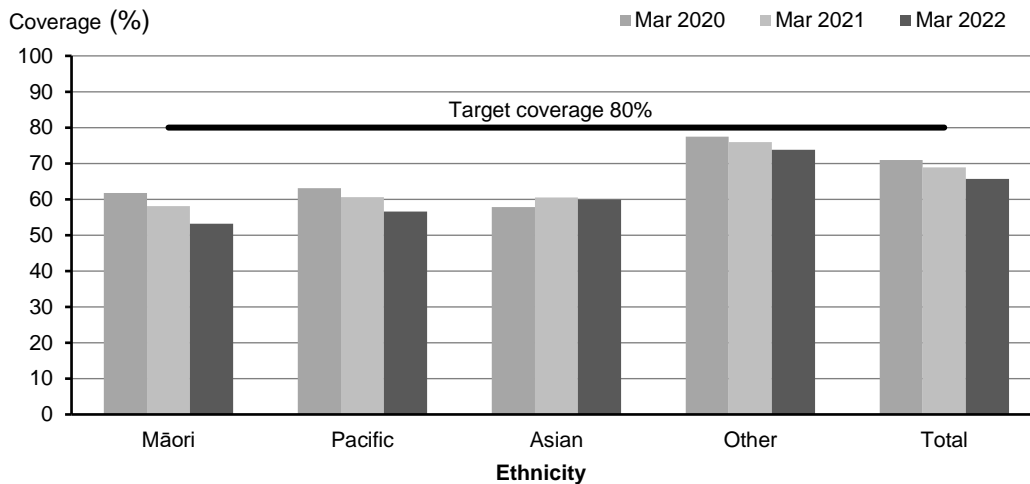
Table 1: NCSP coverage (%) in the three years ending 31 March 2022 by ethnicity, women aged 25–69 years, Total Coverage

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach target*
Māori	17,085	9,094	53.20%	4,574
Pacific	921	521	56.60%	215
Asian	2,628	1,575	59.90%	527
Other	28,974	21,382	73.80%	1,797
Total	49,608	32,572	65.70%	7,114

*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 March 2022 by ethnicity, Total Coverage



DHB coverage comparisons

DHB coverage by ethnicity in the three years ending 31 March 2022

Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 31 March 2022 by District Health Board

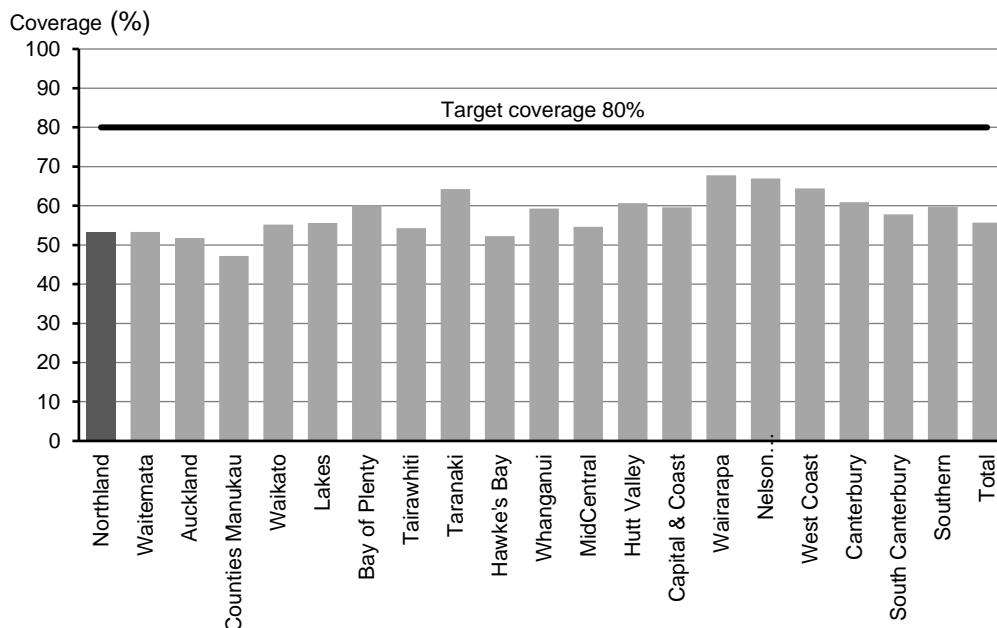


Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 31 March 2022 by District Health Board

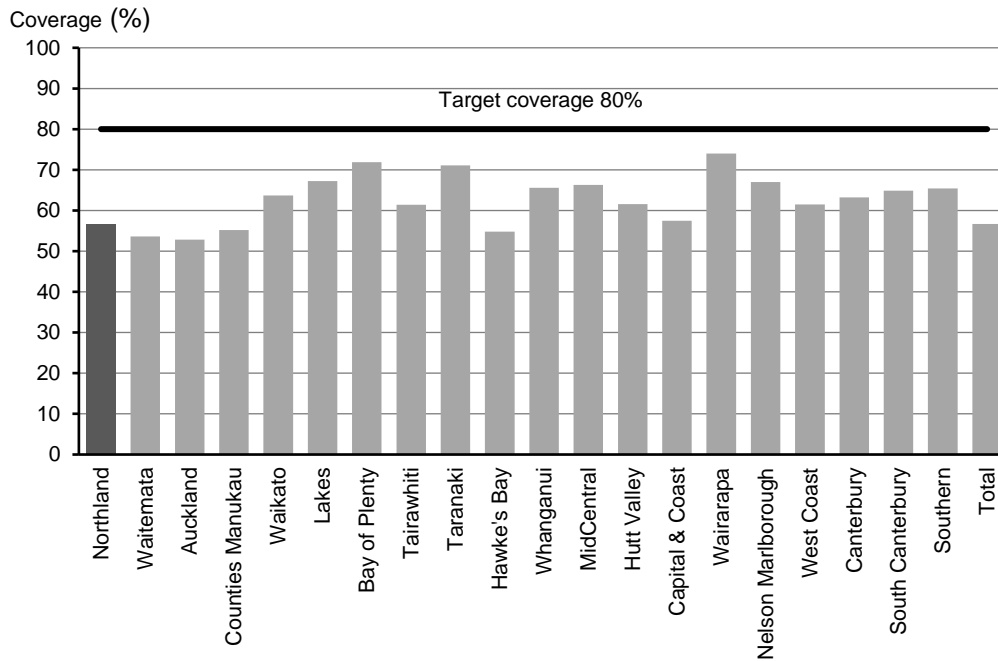


Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 31 March 2022 by District Health Board

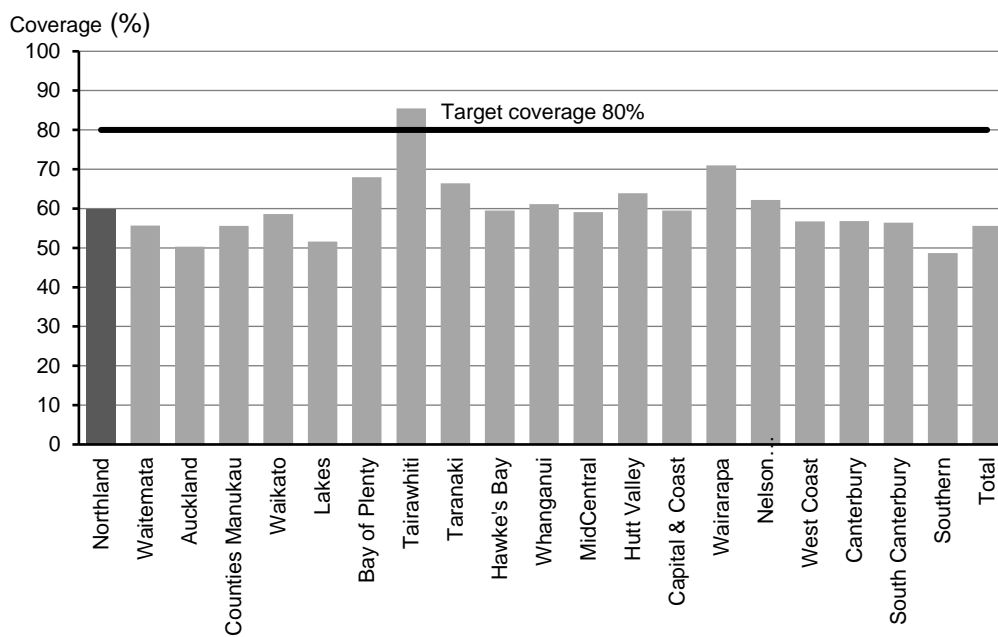


Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 31 March 2022 by District Health Board

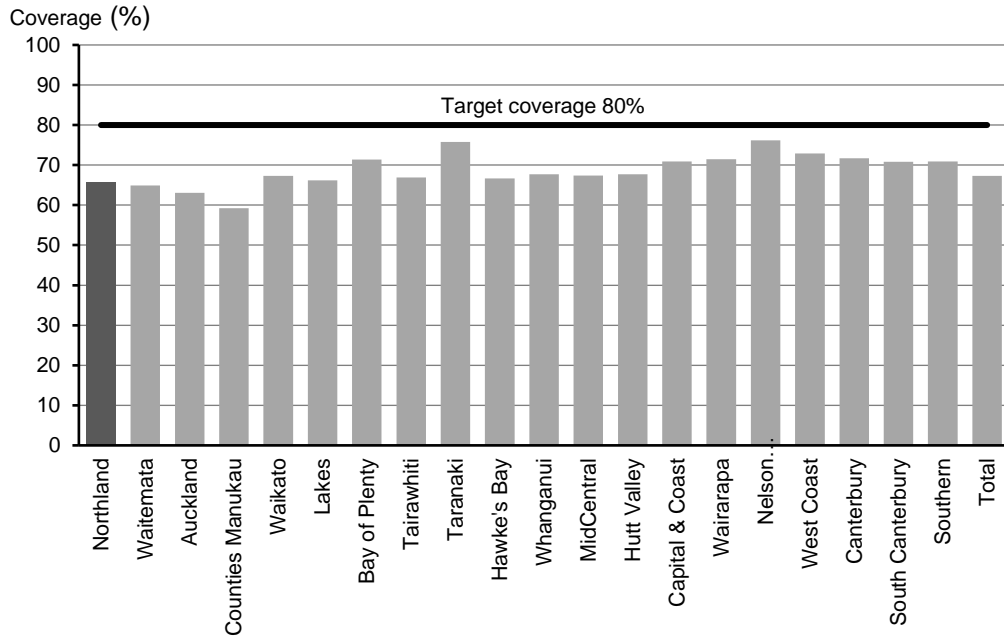


Table 2: NCSP number of screens and coverage (%) in women aged 25–69 years in the three years ending 31 March 2022 by District Health Board

DHB	Eligible Population					Screens					Coverage				
	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total
Northland	17,085	921	2,628	28,974	49,608	9,094	521	1,575	21,382	32,572	53.2%	56.6%	59.9%	73.8%	65.7%
Waitemata	14,794	11,455	56,308	97,614	180,171	7,891	6,137	31,375	71,455	116,858	53.3%	53.6%	55.7%	73.2%	64.9%
Auckland	10,591	14,131	56,197	66,879	147,798	5,488	7,468	28,280	51,951	93,187	51.8%	52.8%	50.3%	77.7%	63.1%
Counties Manukau	23,258	32,062	53,741	50,638	159,699	10,970	17,693	29,868	35,990	94,521	47.2%	55.2%	55.6%	71.1%	59.2%
Waikato	25,039	3,123	15,250	70,730	114,142	13,823	1,990	8,934	52,017	76,764	55.2%	63.7%	58.6%	73.5%	67.3%
Lakes	11,006	683	3,369	16,143	31,201	6,115	459	1,740	12,339	20,653	55.6%	67.2%	51.6%	76.4%	66.2%
Bay of Plenty	16,059	1,039	5,480	46,735	69,313	9,652	747	3,728	35,396	49,523	60.1%	71.9%	68.0%	75.7%	71.4%
Tairāwhiti	7,027	264	365	5,258	12,914	3,818	162	312	4,353	8,645	54.3%	61.4%	85.5%	82.8%	66.9%
Taranaki	5,840	384	1,847	24,400	32,471	3,755	273	1,226	19,370	24,624	64.3%	71.1%	66.4%	79.4%	75.8%
Hawke's Bay	12,001	1,544	2,965	29,481	45,991	6,281	846	1,763	21,789	30,679	52.3%	54.8%	59.5%	73.9%	66.7%
Whanganui	4,654	401	863	11,524	17,442	2,760	263	527	8,262	11,812	59.3%	65.6%	61.1%	71.7%	67.7%
MidCentral	9,170	1,263	4,443	32,959	47,835	5,010	838	2,624	23,752	32,224	54.6%	66.3%	59.1%	72.1%	67.4%
Hutt Valley	6,810	3,035	7,354	26,489	43,688	4,134	1,870	4,697	18,856	29,557	60.7%	61.6%	63.9%	71.2%	67.7%
Capital & Coast	9,747	5,897	16,134	58,391	90,169	5,814	3,393	9,603	45,115	63,925	59.6%	57.5%	59.5%	77.3%	70.9%
Wairarapa	2,028	215	497	9,937	12,677	1,374	159	353	7,177	9,063	67.8%	74.0%	71.0%	72.2%	71.5%
Nelson Marlborough	4,102	660	3,025	34,676	42,463	2,750	442	1,883	27,286	32,361	67.0%	67.0%	62.2%	78.7%	76.2%
West Coast	1,010	104	443	7,064	8,621	650	64	251	5,318	6,283	64.4%	61.5%	56.7%	75.3%	72.9%
Canterbury	13,201	3,835	25,141	114,714	156,891	8,040	2,424	14,276	87,688	112,428	60.9%	63.2%	56.8%	76.4%	71.7%
South Canterbury	1,246	208	1,174	13,512	16,140	720	135	662	9,914	11,431	57.8%	64.9%	56.4%	73.4%	70.8%
Southern	8,474	1,717	8,718	73,111	92,020	5,066	1,123	4,249	54,801	65,239	59.8%	65.4%	48.7%	75.0%	70.9%
National	203,142	82,941	265,942	819,229	1,371,254	113,205	47,007	147,926	614,211	922,349	55.7%	56.7%	55.6%	75.0%	67.3%

DHB coverage comparison trends by ethnicity

Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 31 March, 2020, 2021, 2022, by ethnicity and District Health Board

DHB	Māori			Pacific			Asian			Other		
	Mar-20	Mar-21	Mar-22	Mar-20	Mar-21	Mar-22	Mar-20	Mar-21	Mar-22	Mar-20	Mar-21	Mar-22
Northland	61.8%	58.1%	53.2%	63.1%	60.6%	56.6%	57.8%	60.5%	59.9%	77.5%	76.0%	73.8%
Waitemata	59.0%	56.7%	53.3%	62.6%	58.6%	53.6%	60.1%	58.9%	55.7%	76.9%	75.5%	73.2%
Auckland	56.2%	54.7%	51.8%	61.5%	58.2%	52.8%	53.4%	53.2%	50.3%	75.3%	77.4%	77.7%
Counties Manukau	54.4%	51.6%	47.2%	65.1%	61.0%	55.2%	59.6%	58.5%	55.6%	73.2%	72.1%	71.1%
Waikato	62.7%	59.7%	55.2%	72.2%	68.8%	63.7%	60.0%	61.7%	58.6%	78.3%	77.3%	73.5%
Lakes	64.1%	59.5%	55.6%	73.0%	66.7%	67.2%	49.6%	50.5%	51.6%	79.1%	77.7%	76.4%
Bay of Plenty	65.1%	62.8%	60.1%	75.5%	74.4%	71.9%	63.0%	66.3%	68.0%	78.8%	76.9%	75.7%
Tairāwhiti	64.1%	60.1%	54.3%	63.3%	64.7%	61.4%	75.5%	78.3%	85.5%	84.5%	83.2%	82.8%
Taranaki	66.4%	65.8%	64.3%	75.1%	70.1%	71.1%	61.1%	64.0%	66.4%	81.7%	80.8%	79.4%
Hawke's Bay	62.9%	57.9%	52.3%	61.9%	57.0%	54.8%	55.5%	58.7%	59.5%	75.4%	74.2%	73.9%
Whanganui	66.5%	62.7%	59.3%	63.7%	63.9%	65.6%	63.5%	62.3%	61.1%	75.3%	73.5%	71.7%
MidCentral	60.5%	57.1%	54.6%	72.2%	67.7%	66.3%	58.2%	59.7%	59.1%	75.7%	73.6%	72.1%
Hutt Valley	62.4%	60.8%	60.7%	64.2%	62.8%	61.6%	64.0%	64.1%	63.9%	73.1%	72.7%	71.2%
Capital & Coast	62.4%	61.2%	59.6%	62.8%	59.7%	57.5%	59.0%	59.4%	59.5%	75.8%	76.5%	77.3%
Wairarapa	69.3%	69.3%	67.8%	71.9%	80.5%	74.0%	59.4%	64.6%	71.0%	75.6%	74.0%	72.2%
Nelson Marlborough	66.5%	66.1%	67.0%	64.2%	63.0%	67.0%	55.5%	58.1%	62.2%	79.1%	77.9%	78.7%
West Coast	69.3%	69.7%	64.4%	68.4%	62.7%	61.5%	49.0%	53.4%	56.7%	77.3%	77.1%	75.3%
Canterbury	64.5%	62.8%	60.9%	66.9%	66.1%	63.2%	55.0%	57.4%	56.8%	76.9%	76.9%	76.4%
South Canterbury	61.0%	57.1%	57.8%	75.1%	74.4%	64.9%	49.8%	52.3%	56.4%	75.6%	74.5%	73.4%
Southern	63.1%	61.1%	59.8%	68.4%	67.1%	65.4%	46.2%	47.5%	48.7%	74.3%	74.4%	75.0%
National	61.8%	59.1%	55.7%	64.7%	61.2%	56.7%	57.4%	57.5%	55.6%	76.5%	75.9%	75.0%