



National
Cervical
Screening
Programme

NCSP New Zealand Northland District Health Board Coverage Report

For the period ending
30 September 2020

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Contents

Introduction.....	2
Technical notes	3
Northland coverage	4
Northland coverage by ethnicity in the three years ending 30 September 2020.....	4
Northland coverage trends by ethnicity	5
DHB coverage comparisons	5
DHB coverage by ethnicity in the three years ending 30 September 2020	5
DHB coverage comparison trends by ethnicity	9

List of tables

Table 1: NCSP coverage (%) in the three years ending 30 September 2020 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 September 2020 by District Health Board.....	8
Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 September, 2018, 2019, 2020, by ethnicity and District Health Board.....	9

List of figures

Figure 1: NCSP coverage (%) in the three years ending 30 September 2020 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 September 2020 by ethnicity, Total Coverage	5
Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 30 September 2020 by District Health Board	5
Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 30 September 2020 by District Health Board	6
Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 September 2020 by District Health Board	6
Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 September 2020 by District Health Board	7

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 2020 was extracted from the Ministry of Health NCSP Datamart on 02 November 2020.

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 2019 update based on the 2013 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 2020

Figure 1: NCSP coverage (%) in the three years ending 30 September 2020 by ethnicity, women aged 25–69 years, Total Coverage

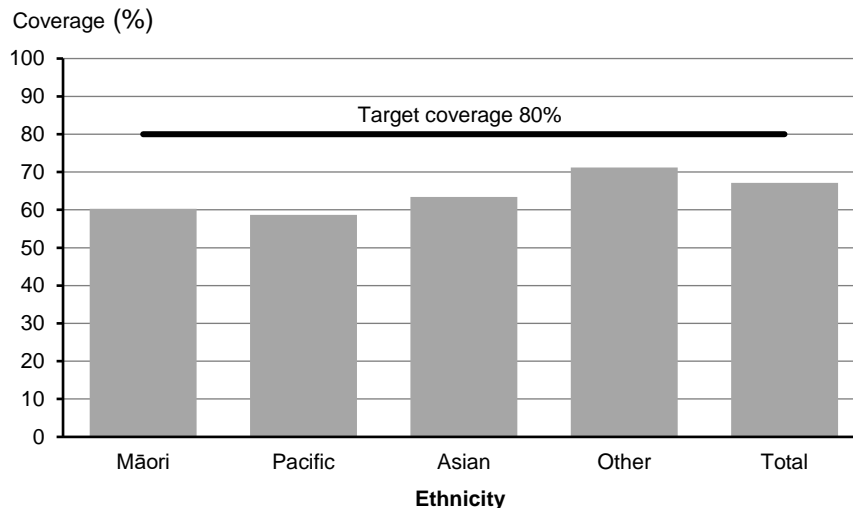


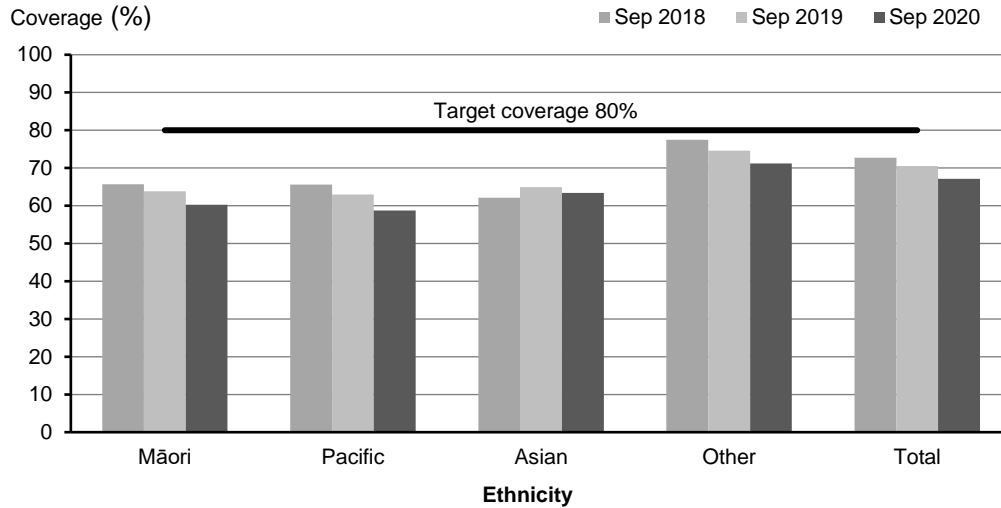
Table 1: NCSP coverage (%) in the three years ending 30 September 2020 by ethnicity, women aged 25–69 years, Total Coverage

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach target*
Māori	15,696	9,460	60.30%	3,096
Pacific	887	521	58.70%	188
Asian	2,360	1,497	63.40%	391
Other	29,949	21,336	71.20%	2,623
Total	48,892	32,814	67.10%	6,299

*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 2020 by ethnicity, Total Coverage



DHB coverage comparisons

DHB coverage by ethnicity in the three years ending 30 September 2020

Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 30 September 2020 by District Health Board

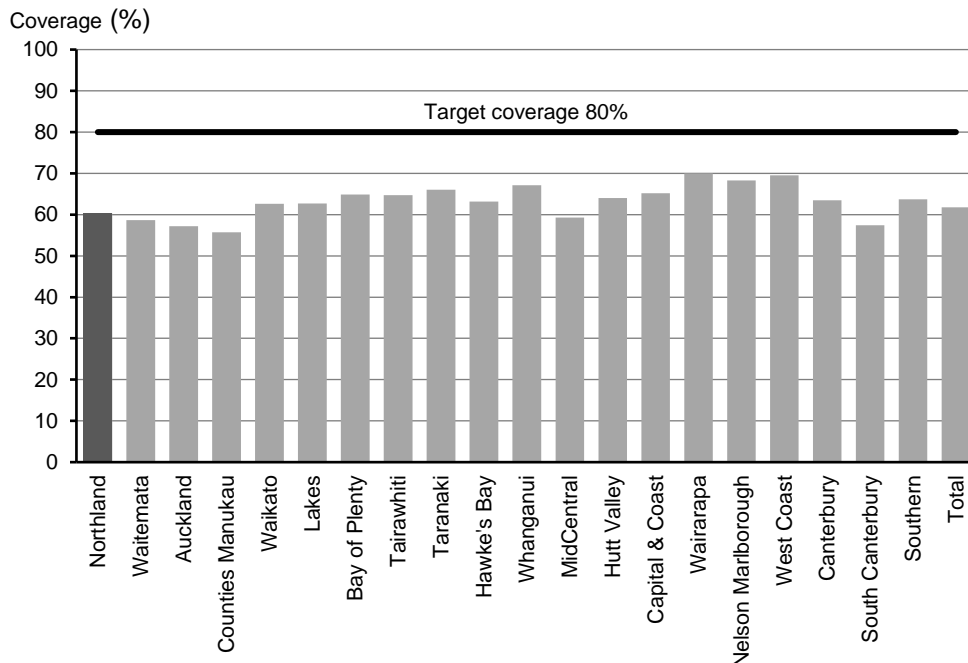


Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 30 September 2020 by District Health Board

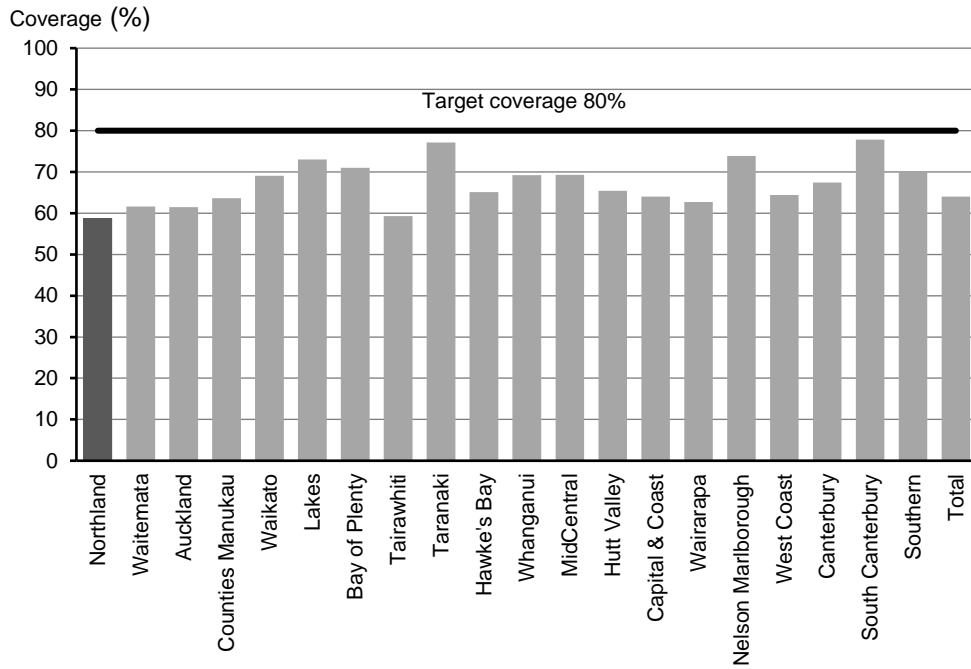


Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 September 2020 by District Health Board

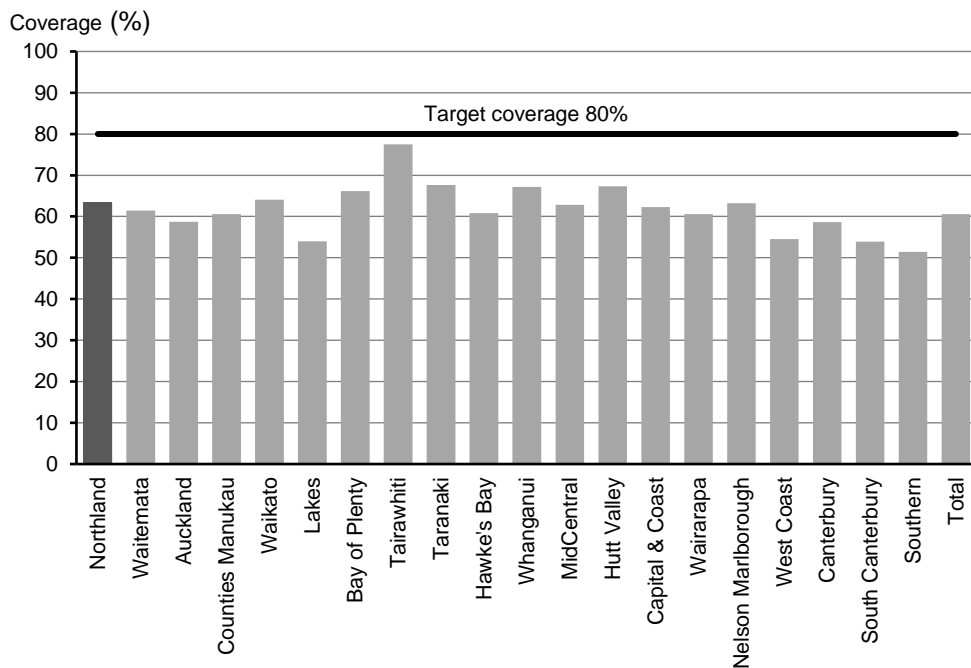


Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 September 2020 by District Health Board

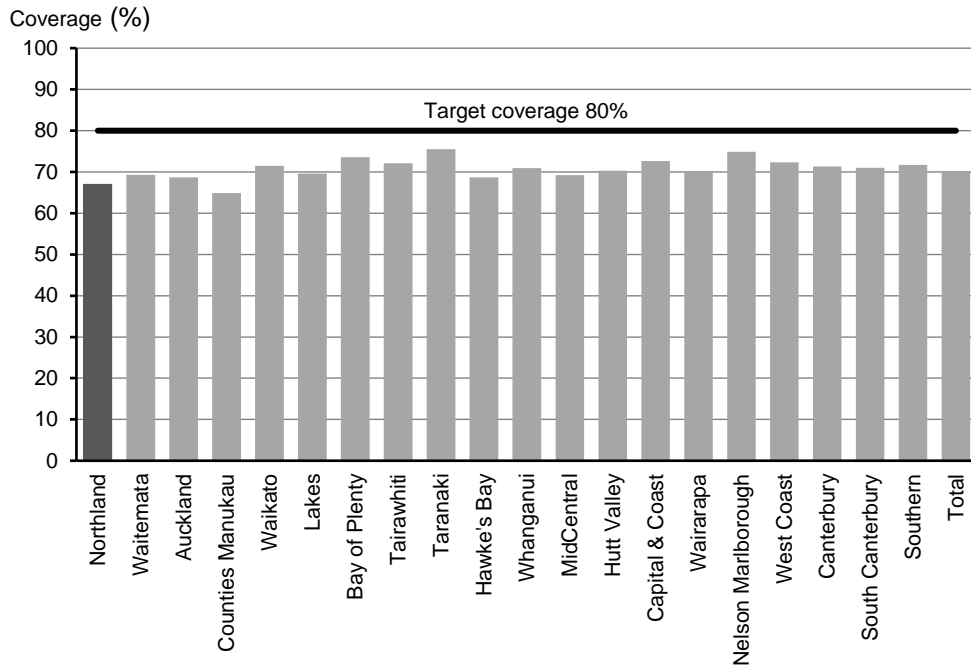


Table 2: NCSP number of screens and coverage (%) in women aged 25–69 years in the three years ending 30 September 2020 by District Health Board

DHB	Eligible Population					Screens					Coverage				
	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total
Northland	15,696	887	2,360	29,949	48,892	9,460	521	1,497	21,336	32,814	60.3%	58.7%	63.4%	71.2%	67.1%
Waitemata	14,185	10,628	50,387	97,424	172,624	8,326	6,545	30,955	73,736	119,562	58.7%	61.6%	61.4%	75.7%	69.3%
Auckland	10,024	13,425	50,178	67,678	141,305	5,735	8,253	29,449	53,674	97,111	57.2%	61.5%	58.7%	79.3%	68.7%
Counties Manukau	21,514	29,456	48,925	50,927	150,822	11,989	18,735	29,640	37,496	97,860	55.7%	63.6%	60.6%	73.6%	64.9%
Waikato	23,336	2,983	13,481	71,651	111,451	14,600	2,061	8,642	54,355	79,658	62.6%	69.1%	64.1%	75.9%	71.5%
Lakes	10,156	649	3,027	16,568	30,400	6,367	474	1,634	12,673	21,148	62.7%	73.0%	54.0%	76.5%	69.6%
Bay of Plenty	15,128	980	5,111	45,911	67,130	9,819	696	3,383	35,503	49,401	64.9%	71.0%	66.2%	77.3%	73.6%
Tairāwhiti	6,378	253	360	5,462	12,453	4,125	150	279	4,424	8,978	64.7%	59.3%	77.5%	81.0%	72.1%
Taranaki	5,418	341	1,653	24,710	32,122	3,574	263	1,118	19,288	24,243	66.0%	77.1%	67.6%	78.1%	75.5%
Hawke's Bay	10,790	1,385	2,659	30,225	45,059	6,821	902	1,617	21,629	30,969	63.2%	65.1%	60.8%	71.6%	68.7%
Whanganui	4,253	375	740	11,875	17,243	2,833	254	495	8,500	12,082	66.6%	67.7%	66.9%	71.6%	70.1%
MidCentral	8,527	1,186	4,028	33,605	47,346	5,056	822	2,528	24,361	32,767	59.3%	69.3%	62.8%	72.5%	69.2%
Hutt Valley	6,445	2,869	6,518	26,599	42,431	4,128	1,877	4,385	19,435	29,825	64.0%	65.4%	67.3%	73.1%	70.3%
Capital & Coast	8,995	5,590	14,585	58,986	88,156	5,863	3,575	9,092	45,499	64,029	65.2%	64.0%	62.3%	77.1%	72.6%
Wairarapa	1,884	217	472	10,018	12,591	1,318	136	286	7,071	8,811	70.0%	62.7%	60.6%	70.6%	70.0%
Nelson Marlborough	3,818	564	2,606	35,120	42,108	2,609	417	1,647	26,875	31,548	68.3%	73.9%	63.2%	76.5%	74.9%
West Coast	932	101	418	7,180	8,631	648	65	228	5,298	6,239	69.5%	64.4%	54.5%	73.8%	72.3%
Canterbury	12,048	3,509	22,323	115,230	153,110	7,648	2,364	13,082	86,037	109,131	63.5%	67.4%	58.6%	74.7%	71.3%
South Canterbury	1,181	180	1,071	13,625	16,057	678	140	577	10,000	11,395	57.4%	77.8%	53.9%	73.4%	71.0%
Southern	7,693	1,521	7,400	72,586	89,200	4,899	1,064	3,803	54,152	63,918	63.7%	70.0%	51.4%	74.6%	71.7%
National	188,401	77,099	238,302	825,329	1,329,131	116,496	49,314	144,337	621,342	931,489	61.8%	64.0%	60.6%	75.3%	70.1%

DHB coverage comparison trends by ethnicity

Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 September 2018, 2019, 2020, by ethnicity and District Health Board

DHB	Māori			Pacific			Asian			Other		
	Sep-18	Sep-19	Sep-20	Sep-18	Sep-19	Sep-20	Sep-18	Sep-19	Sep-20	Sep-18	Sep-19	Sep-20
Northland	65.7%	63.8%	60.3%	65.6%	63.0%	58.7%	62.1%	64.9%	63.4%	77.5%	74.6%	71.2%
Waitemata	62.2%	61.3%	58.7%	68.9%	65.6%	61.6%	64.9%	64.9%	61.4%	77.1%	77.6%	75.7%
Auckland	60.2%	59.0%	57.2%	69.0%	64.7%	61.5%	58.9%	60.1%	58.7%	77.7%	79.4%	79.3%
Counties Manukau	62.5%	58.7%	55.7%	75.5%	68.4%	63.6%	65.9%	64.2%	60.6%	75.3%	75.2%	73.6%
Waikato	65.2%	64.7%	62.6%	75.2%	71.9%	69.1%	65.0%	65.4%	64.1%	78.6%	78.2%	75.9%
Lakes	67.8%	66.1%	62.7%	77.0%	75.0%	73.0%	51.6%	54.0%	54.0%	80.2%	79.2%	76.5%
Bay of Plenty	67.0%	66.2%	64.9%	74.2%	73.5%	71.0%	64.0%	66.2%	66.2%	80.8%	79.5%	77.3%
Tairāwhiti	66.9%	67.3%	64.7%	70.9%	66.5%	59.3%	71.1%	74.7%	77.5%	85.0%	85.4%	81.0%
Taranaki	70.1%	67.2%	66.0%	81.8%	79.9%	77.1%	68.8%	68.6%	67.6%	82.4%	80.7%	78.1%
Hawke's Bay	66.8%	66.8%	63.2%	62.3%	66.9%	65.1%	61.0%	61.6%	60.8%	74.6%	73.8%	71.6%
Whanganui	67.3%	67.4%	66.6%	65.0%	66.4%	67.7%	65.6%	67.3%	66.9%	73.9%	72.5%	71.6%
MidCentral	62.5%	62.5%	59.3%	71.5%	74.3%	69.3%	62.8%	64.1%	62.8%	75.8%	75.9%	72.5%
Hutt Valley	63.3%	64.9%	64.0%	63.4%	66.2%	65.4%	68.2%	69.1%	67.3%	74.8%	74.7%	73.1%
Capital & Coast	67.2%	66.8%	65.2%	66.6%	66.7%	64.0%	63.4%	64.0%	62.3%	76.8%	77.7%	77.1%
Wairarapa	68.5%	69.5%	70.0%	69.8%	63.6%	62.7%	65.0%	62.1%	60.6%	76.0%	74.1%	70.6%
Nelson Marlborough	68.2%	66.9%	68.3%	71.3%	74.4%	73.9%	59.8%	61.9%	63.2%	78.1%	77.4%	76.5%
West Coast	70.2%	70.2%	69.5%	76.7%	74.7%	64.4%	50.3%	48.8%	54.5%	74.8%	74.9%	73.8%
Canterbury	65.7%	65.4%	63.5%	68.1%	68.0%	67.4%	57.6%	58.4%	58.6%	76.0%	75.7%	74.7%
South Canterbury	61.5%	61.4%	57.4%	69.0%	74.2%	77.8%	49.7%	49.3%	53.9%	75.6%	74.5%	73.4%
Southern	66.0%	65.2%	63.7%	76.3%	73.2%	70.0%	51.5%	51.7%	51.4%	76.0%	75.3%	74.6%
National	65.1%	64.1%	61.8%	71.5%	67.6%	64.0%	62.3%	62.6%	60.6%	77.1%	76.9%	75.3%