



National
Cervical
Screening
Programme

NCSP New Zealand Northland District Health Board Coverage Report

For the period ending
31 March 2021



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Contents

Introduction.....	2
Technical notes	3
Northland coverage	4
Northland coverage by ethnicity in the three years ending 31 March 2021.....	4
Northland coverage trends by ethnicity	5
DHB coverage comparisons	5
DHB coverage by ethnicity in the three years ending 31 March 2021.....	5
DHB coverage comparison trends by ethnicity	9

List of tables

Table 1: NCSP coverage (%) in the three years ending 31 March 2021 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 31 March 2021 by District Health Board.....	8
Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 31 March, 2019, 2020, 2021, by ethnicity and District Health Board.....	9

List of figures

Figure 1: NCSP coverage (%) in the three years ending 31 March 2021 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 31 March 2021 by ethnicity, Total Coverage.....	5
Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 31 March 2021 by District Health Board.....	5
Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 31 March 2021 by District Health Board.....	6
Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 31 March 2021 by District Health Board.....	6
Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 31 March 2021 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 31 March 2021 was extracted from the Ministry of Health NCSP Datamart on 27 April 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 2018 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 31 March 2021

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

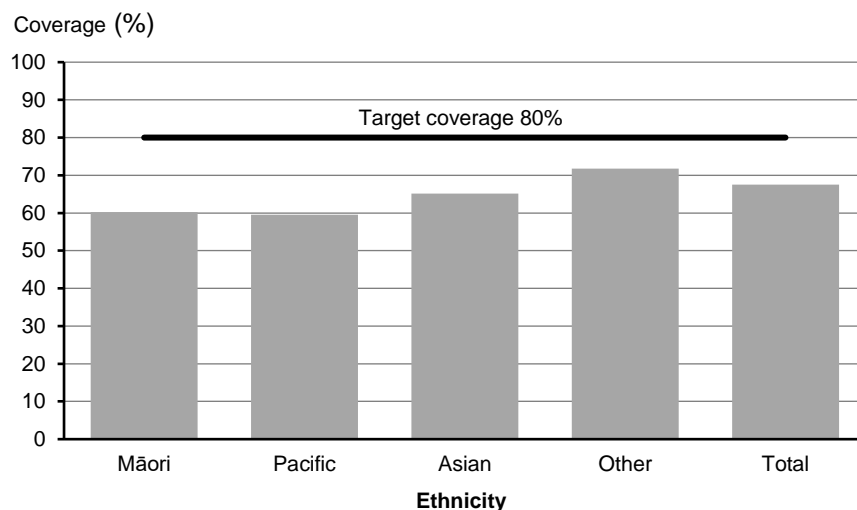


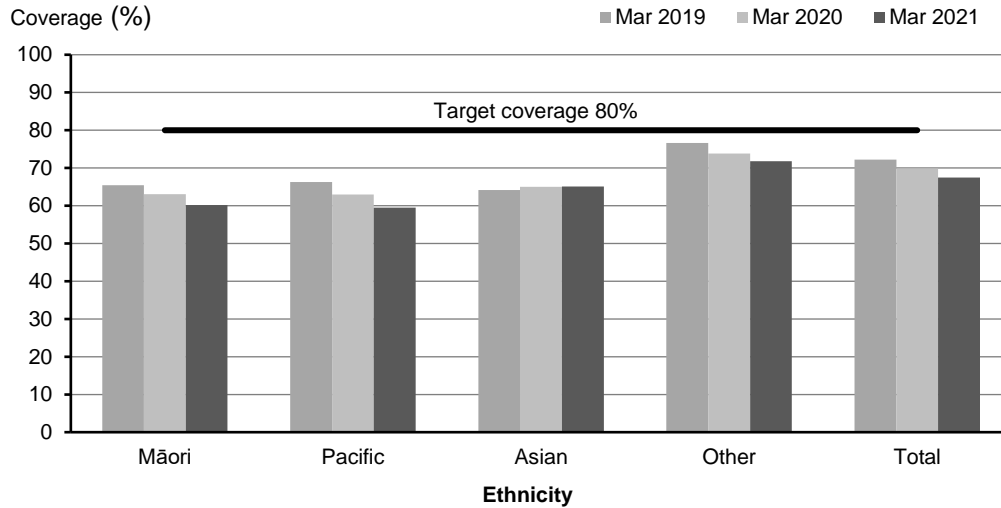
Table 1: NCSP coverage (%) in the three years ending 31 March 2021 by ethnicity, women aged 25–69 years, Total Coverage

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach target*
Māori	15,787	9,506	60.20%	3,123
Pacific	910	541	59.50%	187
Asian	2,413	1,570	65.10%	360
Other	30,040	21,554	71.80%	2,478
Total	49,150	33,171	67.50%	6,149

*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 2021 by ethnicity, Total Coverage



DHB coverage comparisons

DHB coverage by ethnicity in the three years ending 31 March 2021

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

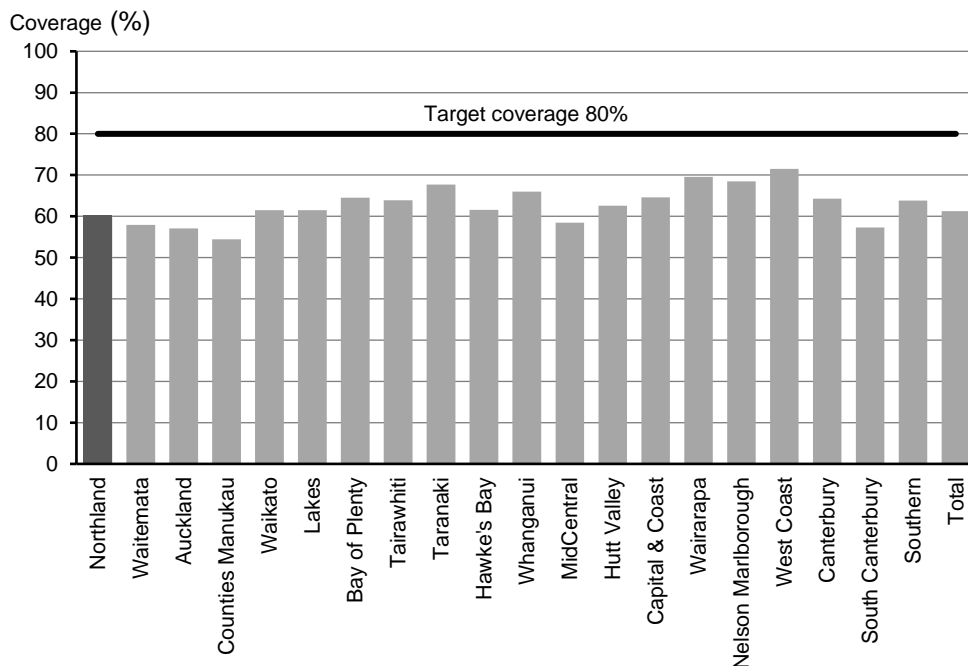


Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 31 March 2021 by District Health Board

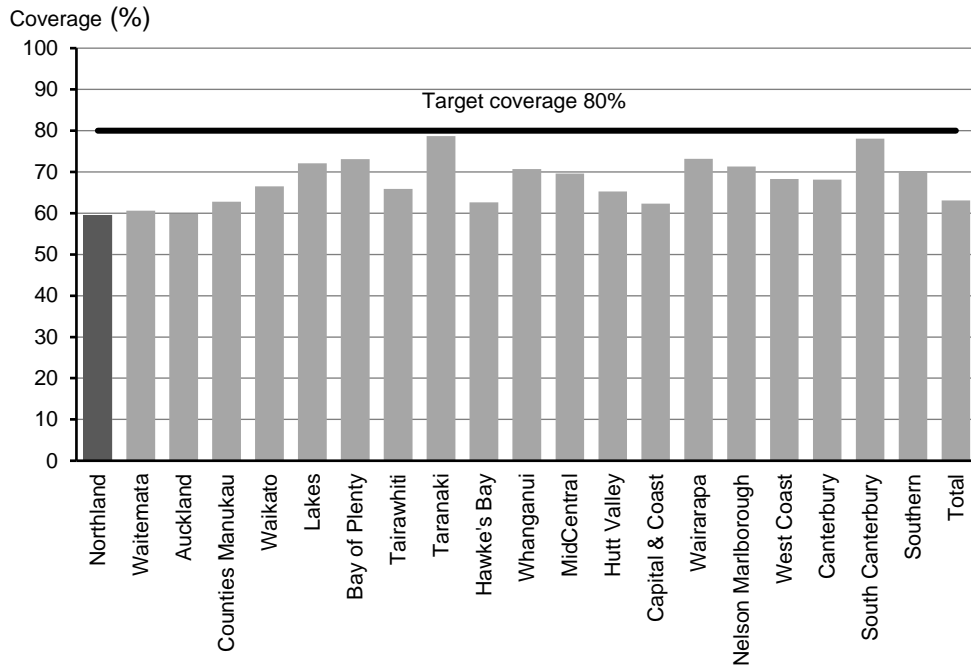


Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 31 March 2021 by District Health Board

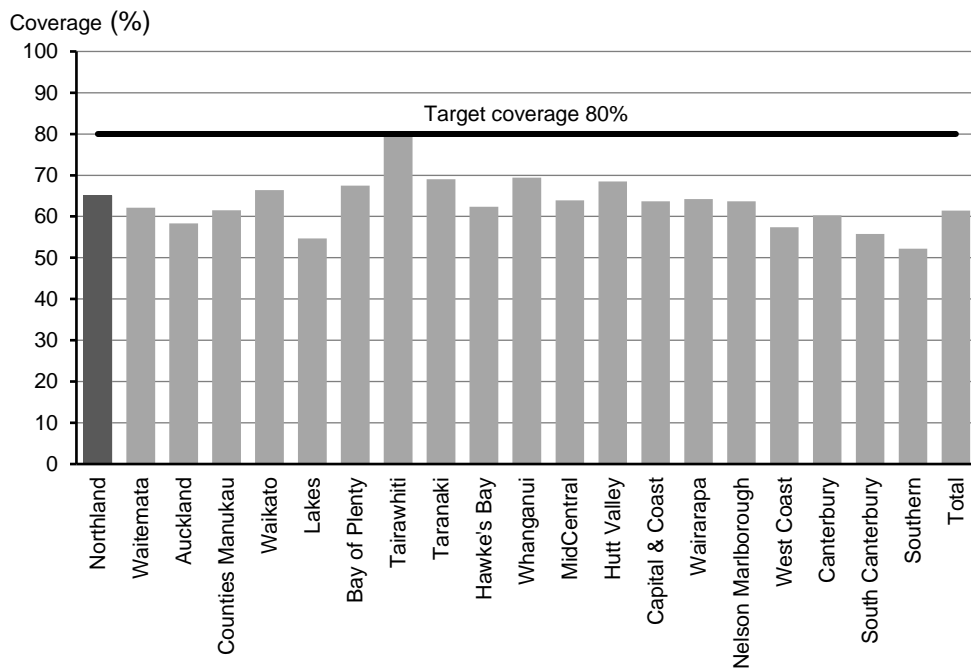


Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 31 March 2021 by District Health Board

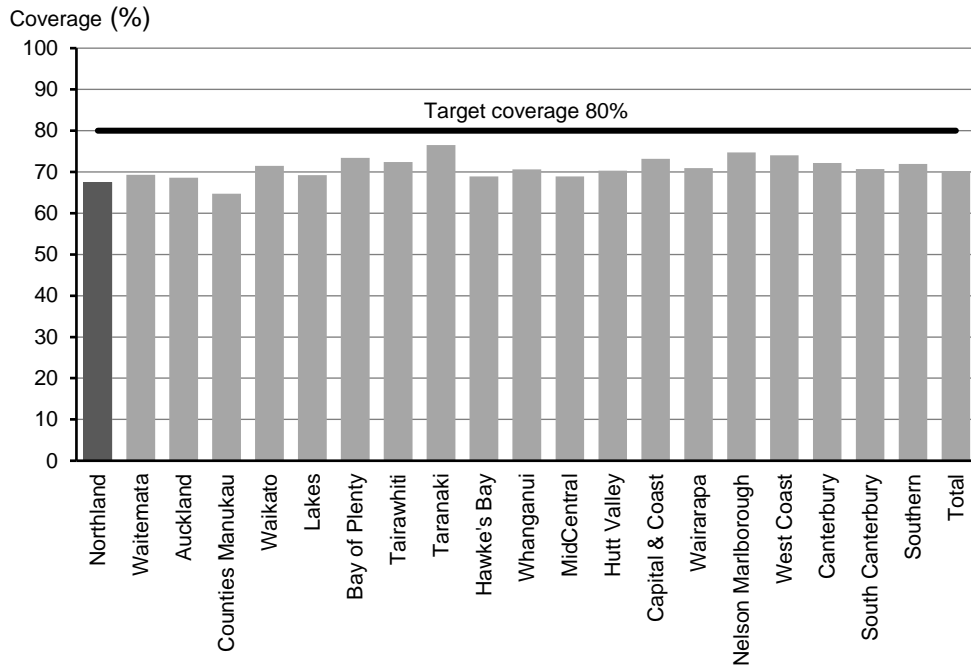


Table 2: NCSP number of screens and coverage (%) in women aged 25–69 years in the three years ending 31 March 2021 by District Health Board

DHB	Eligible Population					Screens					Coverage				
	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total
Northland	15,787	910	2,413	30,040	49,150	9,506	541	1,570	21,554	33,171	60.2%	59.5%	65.1%	71.8%	67.5%
Waitemata	14,322	10,784	51,445	97,698	174,249	8,297	6,540	31,940	73,961	120,738	57.9%	60.6%	62.1%	75.7%	69.3%
Auckland	10,104	13,591	51,126	67,782	142,603	5,769	8,122	29,827	54,146	97,864	57.1%	59.8%	58.3%	79.9%	68.6%
Counties Manukau	21,735	29,961	49,873	50,865	152,434	11,830	18,825	30,667	37,341	98,663	54.4%	62.8%	61.5%	73.4%	64.7%
Waikato	23,523	3,031	13,780	71,830	112,164	14,468	2,017	9,144	54,609	80,238	61.5%	66.5%	66.4%	76.0%	71.5%
Lakes	10,239	635	3,107	16,589	30,570	6,301	458	1,698	12,706	21,163	61.5%	72.1%	54.7%	76.6%	69.2%
Bay of Plenty	15,231	985	5,233	46,105	67,554	9,820	720	3,532	35,516	49,588	64.5%	73.1%	67.5%	77.0%	73.4%
Tairāwhiti	6,418	252	363	5,448	12,481	4,102	166	288	4,478	9,034	63.9%	65.9%	79.3%	82.2%	72.4%
Taranaki	5,441	348	1,683	24,775	32,247	3,684	274	1,161	19,536	24,655	67.7%	78.7%	69.0%	78.9%	76.5%
Hawke's Bay	10,860	1,393	2,717	30,253	45,223	6,694	872	1,696	21,890	31,152	61.6%	62.6%	62.4%	72.4%	68.9%
Whanganui	4,283	375	764	11,861	17,283	2,804	256	530	8,459	12,049	65.5%	68.3%	69.4%	71.3%	69.7%
MidCentral	8,616	1,190	4,083	33,621	47,510	5,038	828	2,610	24,266	32,742	58.5%	69.6%	63.9%	72.2%	68.9%
Hutt Valley	6,472	2,867	6,637	26,674	42,650	4,049	1,873	4,545	19,505	29,972	62.6%	65.3%	68.5%	73.1%	70.3%
Capital & Coast	9,096	5,627	14,834	59,098	88,655	5,880	3,508	9,442	46,091	64,921	64.6%	62.3%	63.7%	78.0%	73.2%
Wairarapa	1,905	213	481	10,031	12,630	1,325	156	309	7,167	8,957	69.6%	73.2%	64.2%	71.4%	70.9%
Nelson Marlborough	3,842	574	2,686	35,137	42,239	2,632	409	1,710	26,811	31,562	68.5%	71.3%	63.7%	76.3%	74.7%
West Coast	934	104	420	7,172	8,630	668	71	241	5,409	6,389	71.5%	68.3%	57.4%	75.4%	74.0%
Canterbury	12,227	3,563	22,875	115,546	154,211	7,864	2,426	13,804	87,183	111,277	64.3%	68.1%	60.3%	75.5%	72.2%
South Canterbury	1,194	183	1,102	13,658	16,137	684	143	615	9,974	11,416	57.3%	78.1%	55.8%	73.0%	70.7%
Southern	7,759	1,561	7,628	72,638	89,586	4,947	1,094	3,980	54,351	64,372	63.8%	70.1%	52.2%	74.8%	71.9%
National	189,988	78,147	243,250	826,821	1,338,206	116,362	49,299	149,309	624,953	939,923	61.2%	63.1%	61.4%	75.6%	70.2%

DHB coverage comparison trends by ethnicity

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

DHB	Māori			Pacific			Asian			Other		
	Mar-19	Mar-20	Mar-21	Mar-19	Mar-20	Mar-21	Mar-19	Mar-20	Mar-21	Mar-19	Mar-20	Mar-21
Northland	65.4%	63.1%	60.2%	66.3%	63.0%	59.5%	64.2%	65.0%	65.1%	76.6%	73.8%	71.8%
Waitemata	61.5%	60.4%	57.9%	66.9%	64.8%	60.6%	65.1%	64.2%	62.1%	77.0%	77.2%	75.7%
Auckland	59.3%	58.4%	57.1%	66.5%	63.6%	59.8%	58.6%	58.9%	58.3%	77.1%	78.0%	79.9%
Counties Manukau	60.1%	57.0%	54.4%	71.4%	67.1%	62.8%	65.4%	63.5%	61.5%	74.5%	74.6%	73.4%
Waikato	65.2%	64.1%	61.5%	74.8%	71.1%	66.5%	65.5%	65.4%	66.4%	78.5%	77.1%	76.0%
Lakes	67.1%	65.4%	61.5%	77.2%	74.2%	72.1%	51.9%	55.0%	54.7%	79.3%	78.2%	76.6%
Bay of Plenty	67.4%	66.4%	64.5%	75.5%	73.7%	73.1%	64.8%	66.4%	67.5%	80.7%	79.0%	77.0%
Tairāwhiti	68.2%	66.3%	63.9%	72.0%	64.4%	65.9%	72.4%	79.1%	79.3%	85.0%	84.1%	82.2%
Taranaki	68.9%	67.2%	67.7%	81.9%	81.2%	78.7%	69.1%	68.1%	69.0%	81.6%	79.8%	78.9%
Hawke's Bay	66.6%	66.1%	61.6%	65.5%	67.5%	62.6%	61.1%	61.4%	62.4%	74.5%	73.9%	72.4%
Whanganui	66.9%	68.9%	65.5%	67.4%	67.6%	68.3%	66.6%	70.6%	69.4%	73.4%	73.1%	71.3%
MidCentral	62.4%	61.7%	58.5%	71.7%	73.9%	69.6%	63.6%	63.9%	63.9%	75.9%	74.5%	72.2%
Hutt Valley	62.6%	63.5%	62.6%	65.0%	66.7%	65.3%	68.8%	68.7%	68.5%	73.7%	73.5%	73.1%
Capital & Coast	66.2%	65.6%	64.6%	66.4%	65.2%	62.3%	62.7%	63.6%	63.7%	76.8%	77.4%	78.0%
Wairarapa	66.5%	69.3%	69.6%	68.1%	67.6%	73.2%	63.7%	62.3%	64.2%	75.7%	73.3%	71.4%
Nelson Marlborough	67.6%	68.7%	68.5%	74.2%	73.8%	71.3%	60.2%	63.5%	63.7%	77.4%	77.7%	76.3%
West Coast	70.5%	71.0%	71.5%	79.8%	72.2%	68.3%	51.0%	51.2%	57.4%	74.7%	75.2%	75.4%
Canterbury	65.9%	65.3%	64.3%	68.3%	68.6%	68.1%	58.3%	59.0%	60.3%	75.9%	75.6%	75.5%
South Canterbury	61.9%	60.9%	57.3%	71.1%	78.9%	78.1%	50.4%	54.1%	55.8%	74.4%	74.3%	73.0%
Southern	66.1%	65.1%	63.8%	74.8%	70.7%	70.1%	51.5%	51.3%	52.2%	75.5%	74.7%	74.8%
National	64.6%	63.5%	61.2%	69.4%	66.7%	63.1%	62.4%	62.1%	61.4%	76.8%	76.3%	75.6%