



National
Cervical
Screening
Programme

NCSP New Zealand Northland District Health Board Coverage Report

For the period ending
30 September 2019

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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 2019 was extracted from the Ministry of Health NCSP Datamart on 04 November 2019.

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 September 2019 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 2019

Figure 1: NCSP coverage (%) in the three years ending 30 September 2019 by ethnicity, women aged 25–69 years, Total Coverage

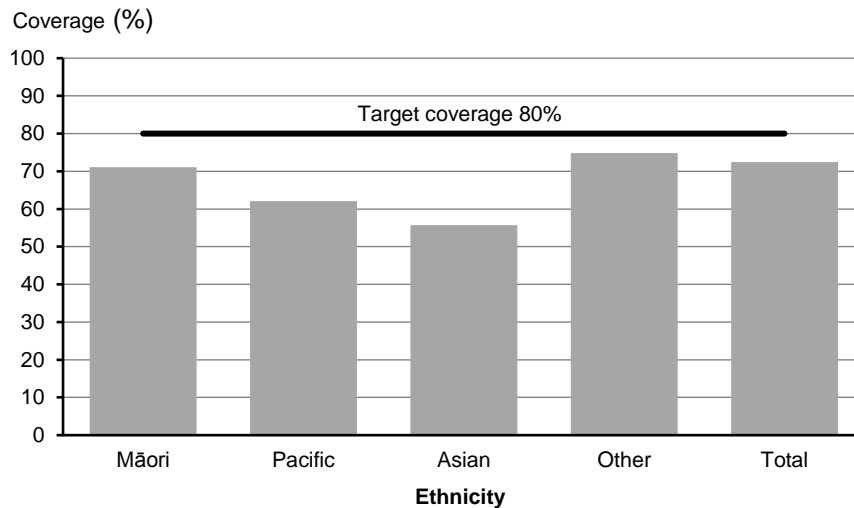


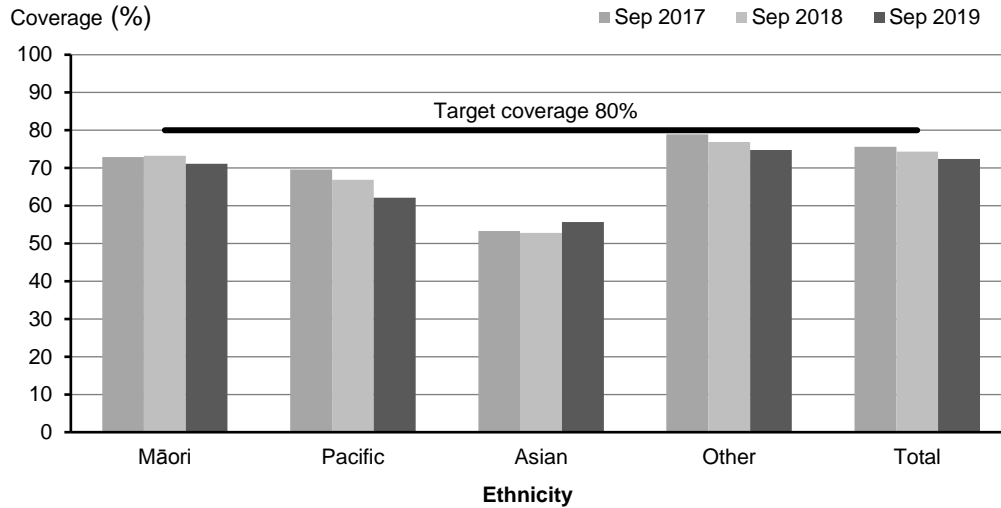
Table 1: NCSP coverage (%) in the three years ending 30 September 2019 by ethnicity, women aged 25–69 years, Total Coverage

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach target*
Māori	13,699	9,738	71.10%	1,221
Pacific	848	527	62.10%	151
Asian	2,589	1,442	55.70%	629
Other	28,876	21,605	74.80%	1,495
Total	46,012	33,312	72.40%	3,497

*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 2019 by ethnicity, Total Coverage



DHB coverage comparisons

DHB coverage by ethnicity in the three years ending 30 September 2019

Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 30 September 2019 by District Health Board

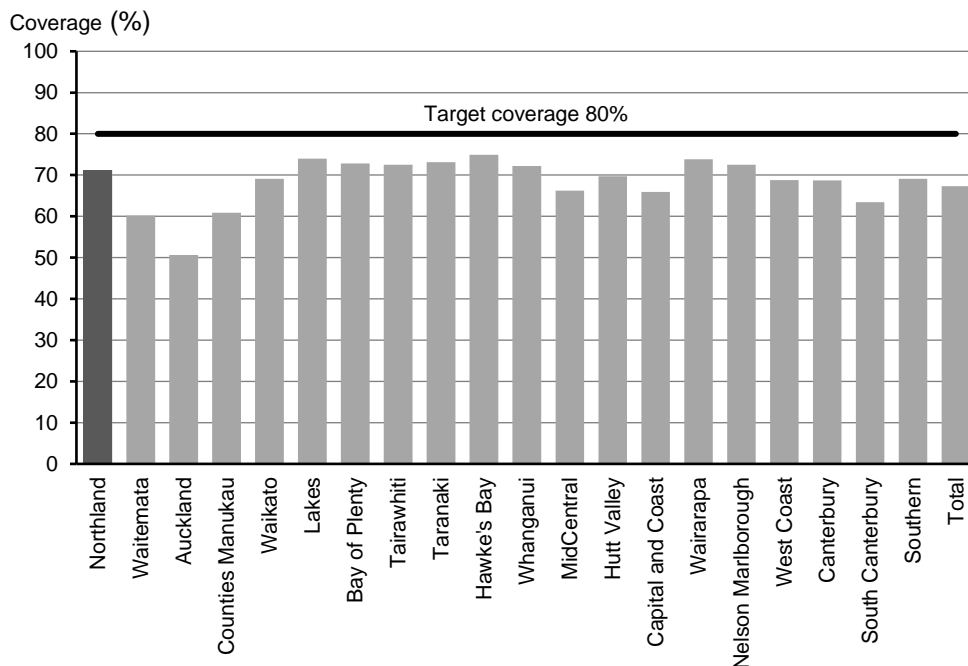


Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 30 September 2019 by District Health Board

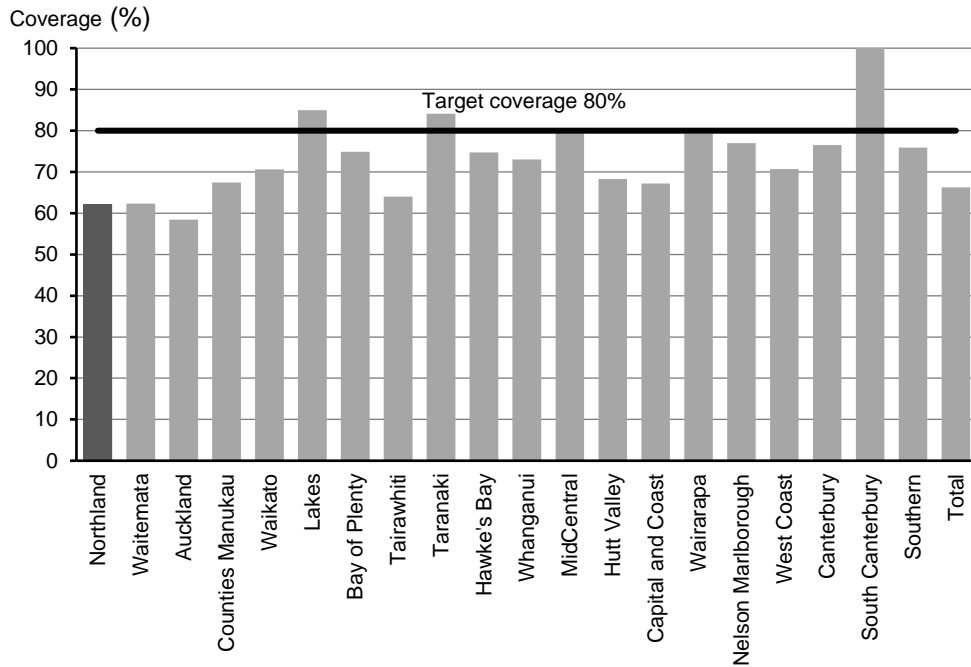


Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 September 2019 by District Health Board

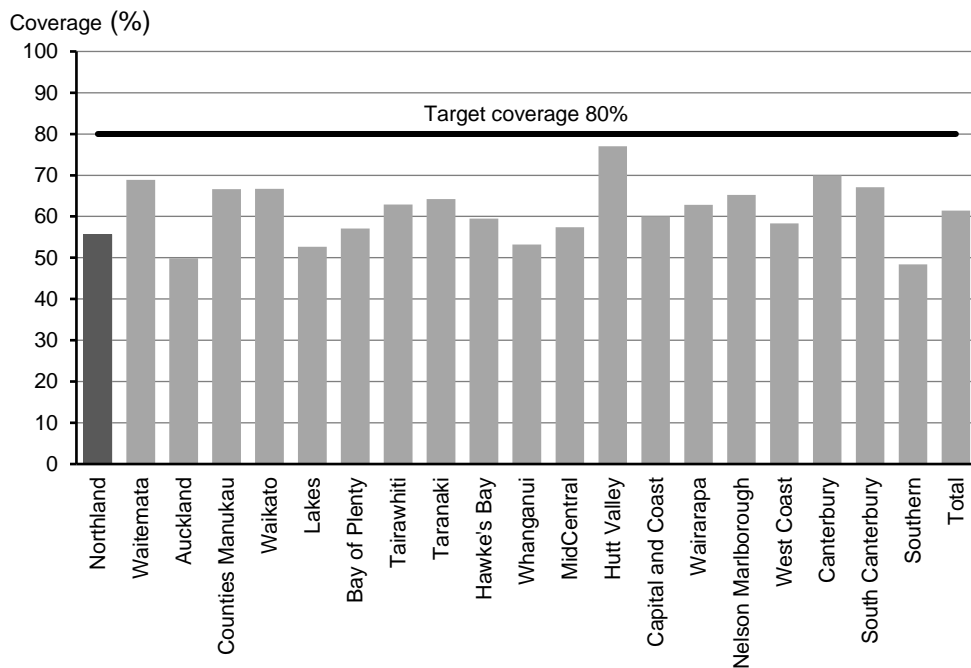


Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 September 2019 by District Health Board

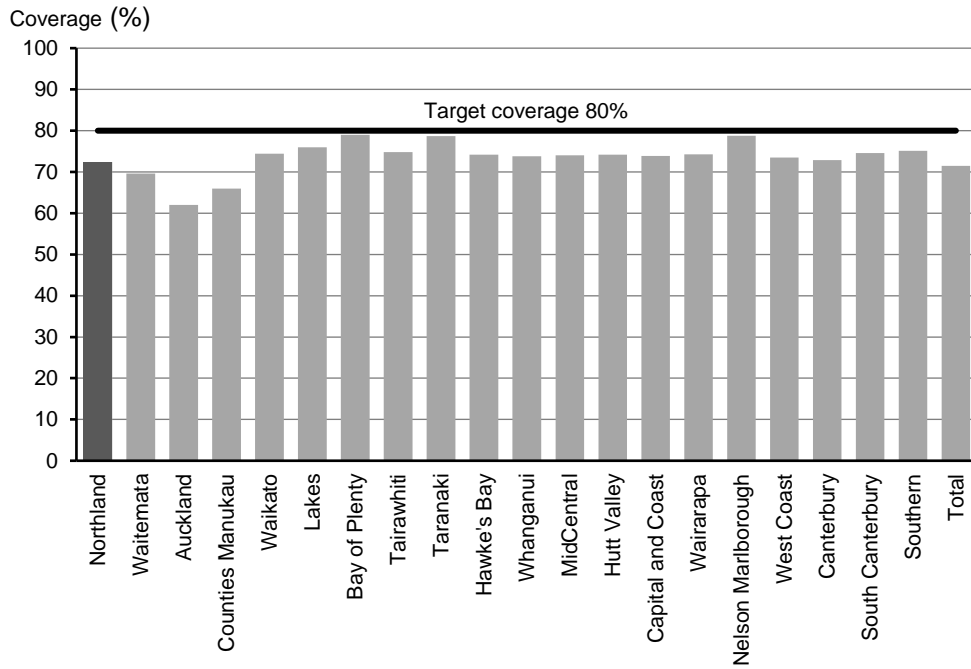


Table 2: NCSP number of screens and coverage (%) in women aged 25–69 years in the three years ending 30 September 2019 by District Health Board

DHB	Eligible Population					Screens					Coverage				
	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total
Northland	13,699	848	2,589	28,876	46,012	9,738	527	1,442	21,605	33,312	71.1%	62.1%	55.7%	74.8%	72.4%
Waitemata	14,059	10,866	44,659	105,291	174,875	8,460	6,766	30,778	75,783	121,787	60.2%	62.3%	68.9%	72.0%	69.6%
Auckland	11,290	14,578	59,632	75,004	160,504	5,714	8,509	29,750	55,607	99,580	50.6%	58.4%	49.9%	74.1%	62.0%
Counties Manukau	20,575	28,943	44,625	58,381	152,524	12,527	19,522	29,730	38,877	100,656	60.9%	67.4%	66.6%	66.6%	66.0%
Waikato	21,304	2,921	12,557	71,305	108,087	14,725	2,063	8,381	55,295	80,464	69.1%	70.6%	66.7%	77.5%	74.4%
Lakes	8,889	559	3,018	16,096	28,562	6,582	475	1,591	13,048	21,696	74.0%	85.0%	52.7%	81.1%	76.0%
Bay of Plenty	13,417	913	5,505	42,408	62,243	9,764	684	3,141	35,589	49,178	72.8%	74.9%	57.1%	83.9%	79.0%
Tairāwhiti	5,818	267	412	5,982	12,479	4,217	171	259	4,686	9,333	72.5%	64.0%	62.9%	78.3%	74.8%
Taranaki	4,839	315	1,694	24,372	31,220	3,535	265	1,088	19,685	24,573	73.1%	84.1%	64.2%	80.8%	78.7%
Hawke's Bay	9,512	1,210	2,616	29,315	42,653	7,120	904	1,557	22,066	31,647	74.9%	74.7%	59.5%	75.3%	74.2%
Whanganui	3,878	335	928	11,205	16,346	2,782	244	480	8,471	11,977	71.7%	72.8%	51.7%	75.6%	73.3%
MidCentral	7,809	1,073	4,407	32,469	45,758	5,171	859	2,528	25,288	33,846	66.2%	80.1%	57.4%	77.9%	74.0%
Hutt Valley	5,900	2,780	5,510	26,547	40,737	4,113	1,900	4,244	19,974	30,231	69.7%	68.3%	77.0%	75.2%	74.2%
Capital and Coast	8,980	5,526	15,110	58,662	88,278	5,914	3,715	9,071	46,570	65,270	65.9%	67.2%	60.0%	79.4%	73.9%
Wairarapa	1,708	174	452	9,543	11,877	1,261	138	284	7,141	8,824	73.8%	79.3%	62.8%	74.8%	74.3%
Nelson Marlborough	3,476	499	2,313	33,582	39,870	2,521	384	1,509	26,984	31,398	72.5%	77.0%	65.2%	80.4%	78.8%
West Coast	918	99	355	7,180	8,552	632	70	207	5,373	6,282	68.8%	70.7%	58.3%	74.8%	73.5%
Canterbury	10,909	3,018	17,399	117,574	148,900	7,499	2,309	12,179	86,548	108,535	68.7%	76.5%	70.0%	73.6%	72.9%
South Canterbury	1,105	126	718	13,338	15,287	701	133	482	10,087	11,403	63.4%	105.6%	67.1%	75.6%	74.6%
Southern	7,076	1,388	7,424	69,522	85,410	4,892	1,053	3,593	54,599	64,137	69.1%	75.9%	48.4%	78.5%	75.1%
National	175,161	76,438	231,923	836,652	1,320,174	117,868	50,691	142,294	633,276	944,129	67.3%	66.3%	61.4%	75.7%	71.5%

DHB coverage comparison trends by ethnicity

Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 September, 2017, 2018, 2019, by ethnicity and District Health Board

DHB	Māori			Pacific			Asian			Other		
	Sep-17	Sep-18	Sep-19	Sep-17	Sep-18	Sep-19	Sep-17	Sep-18	Sep-19	Sep-17	Sep-18	Sep-19
Northland	72.9%	73.2%	71.1%	69.6%	66.9%	62.1%	53.3%	52.8%	55.7%	78.9%	76.9%	74.8%
Waitemata	62.3%	61.3%	60.2%	69.9%	65.3%	62.3%	69.9%	68.3%	68.9%	73.6%	72.4%	72.0%
Auckland	54.1%	52.7%	50.6%	65.3%	62.7%	58.4%	51.1%	49.8%	49.9%	73.0%	73.5%	74.1%
Counties Manukau	65.9%	64.9%	60.9%	79.3%	74.3%	67.4%	68.8%	67.6%	66.6%	69.2%	68.3%	66.6%
Waikato	70.1%	69.7%	69.1%	75.0%	73.2%	70.6%	63.6%	66.0%	66.7%	77.9%	77.8%	77.5%
Lakes	72.0%	75.3%	74.0%	79.0%	84.0%	85.0%	47.9%	49.9%	52.7%	79.6%	81.5%	81.1%
Bay of Plenty	72.8%	73.4%	72.8%	73.8%	73.3%	74.9%	55.2%	55.5%	57.1%	85.8%	85.0%	83.9%
Tairāwhiti	71.1%	71.7%	72.5%	68.5%	68.5%	64.0%	55.7%	59.5%	62.9%	78.4%	78.4%	78.3%
Taranaki	76.0%	76.5%	73.1%	84.6%	88.7%	84.1%	65.4%	65.1%	64.2%	82.7%	82.0%	80.8%
Hawke's Bay	75.8%	75.3%	74.9%	71.3%	70.4%	74.7%	60.5%	58.8%	59.5%	77.4%	75.5%	75.3%
Whanganui	70.8%	71.7%	71.7%	71.6%	74.2%	72.8%	51.9%	52.7%	51.7%	77.4%	76.1%	75.6%
MidCentral	66.0%	66.6%	66.2%	74.4%	77.3%	80.1%	55.6%	56.6%	57.4%	77.4%	77.3%	77.9%
Hutt Valley	66.7%	67.9%	69.7%	65.5%	65.8%	68.3%	76.1%	74.7%	77.0%	75.5%	75.1%	75.2%
Capital and Coast	65.4%	66.3%	65.9%	63.9%	66.7%	67.2%	59.6%	59.8%	60.0%	77.9%	78.8%	79.4%
Wairarapa	77.0%	73.0%	73.8%	94.2%	85.1%	79.3%	65.0%	63.4%	62.8%	78.9%	76.5%	74.8%
Nelson Marlborough	73.5%	74.5%	72.5%	70.6%	74.6%	77.0%	61.3%	62.9%	65.2%	81.5%	81.0%	80.4%
West Coast	70.8%	69.3%	68.8%	62.4%	71.4%	70.7%	53.3%	57.3%	58.3%	76.2%	74.3%	74.8%
Canterbury	68.5%	68.5%	68.7%	74.6%	76.3%	76.5%	63.8%	67.2%	70.0%	74.4%	74.2%	73.6%
South Canterbury	65.2%	63.6%	63.4%	100.0%	99.2%	105.6%	64.5%	65.9%	67.1%	77.2%	76.6%	75.6%
Southern	70.2%	71.1%	69.1%	79.5%	78.5%	75.9%	48.0%	47.8%	48.4%	78.8%	79.2%	78.5%
Total	68.5%	68.5%	67.3%	72.8%	70.1%	66.3%	61.5%	61.0%	61.4%	76.5%	76.1%	75.7%