



National
Cervical
Screening
Programme

NCSP New Zealand All District Health Board Coverage Report

For the period ending
31 March 2020



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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 2020 was extracted from the Ministry of Health NCSP Datamart on 28 April 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 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.

All coverage

All coverage by ethnicity in the three years ending 31 March 2020

Figure 1: NCSP coverage (%) in the three years ending 31 March 2020 by ethnicity, women aged 25–69 years, Total Coverage

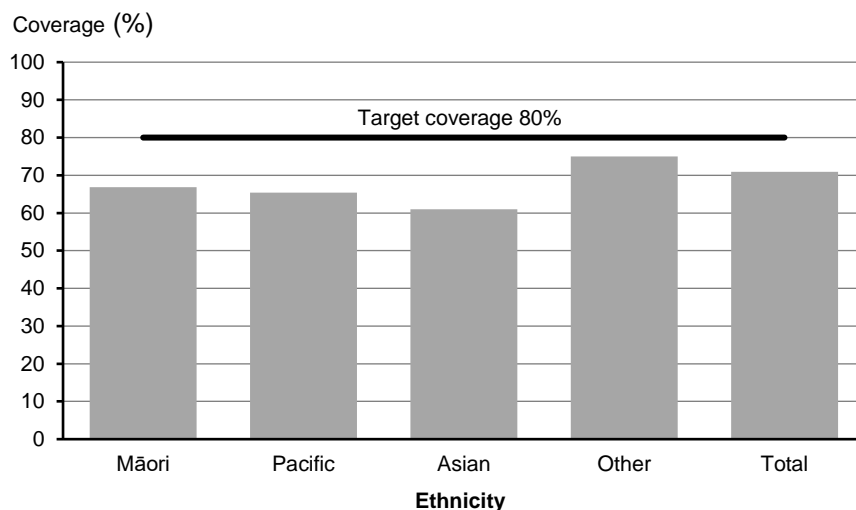


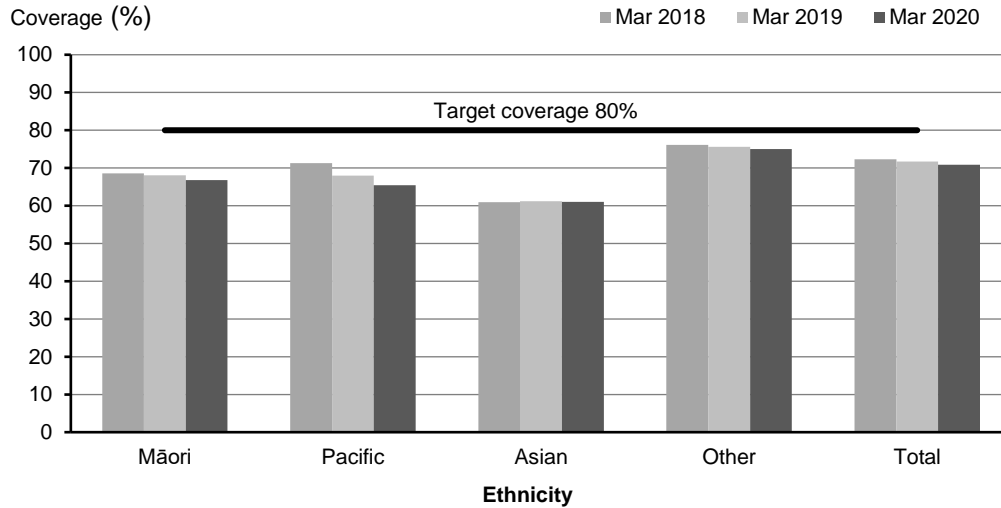
Table 1: NCSP coverage (%) in the three years ending 31 March 2020 by ethnicity, women aged 25–69 years, Total Coverage

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach target*
Māori	176,865	118,146	66.80%	23,346
Pacific	77,413	50,638	65.40%	11,292
Asian	237,218	144,807	61.00%	44,967
Other	839,388	629,708	75.00%	41,802
Total	1,330,884	943,299	70.90%	121,408

*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%.

All coverage trends by ethnicity

Figure 2: NCSP coverage (%) of women aged 25–69 years in the three years ending 31 March 2020 by ethnicity, Total Coverage



DHB coverage comparisons

DHB coverage by ethnicity in the three years ending 31 March 2020

Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 31 March 2020 by District Health Board

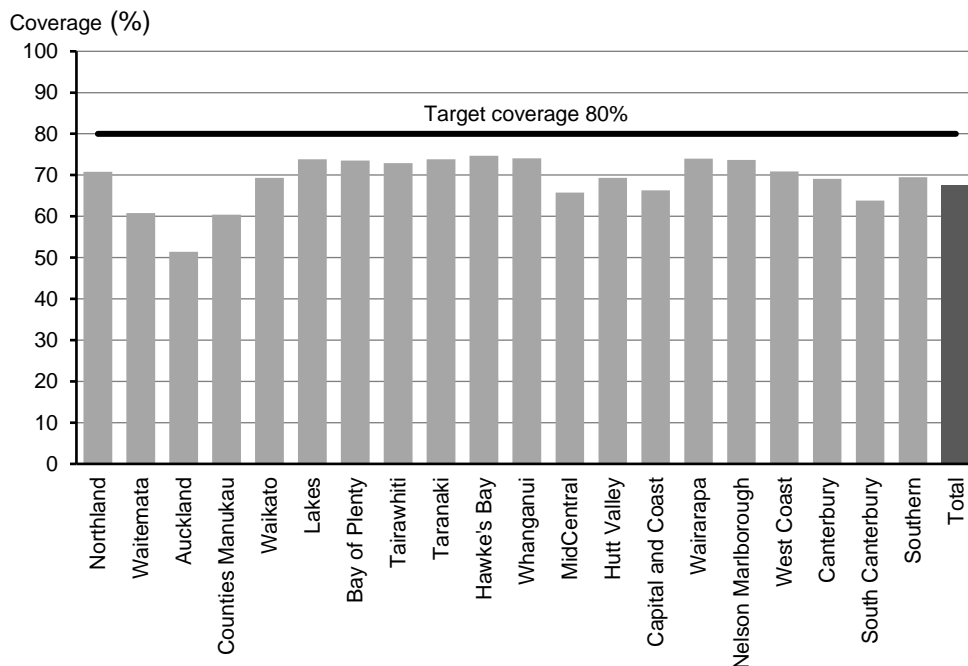


Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 31 March 2020 by District Health Board

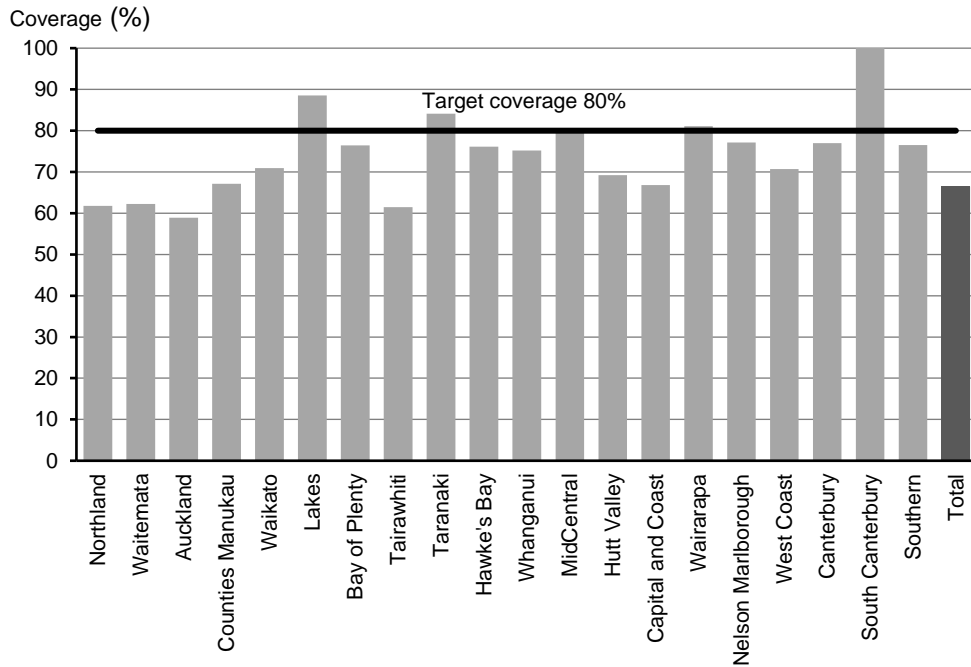


Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 31 March 2020 by District Health Board

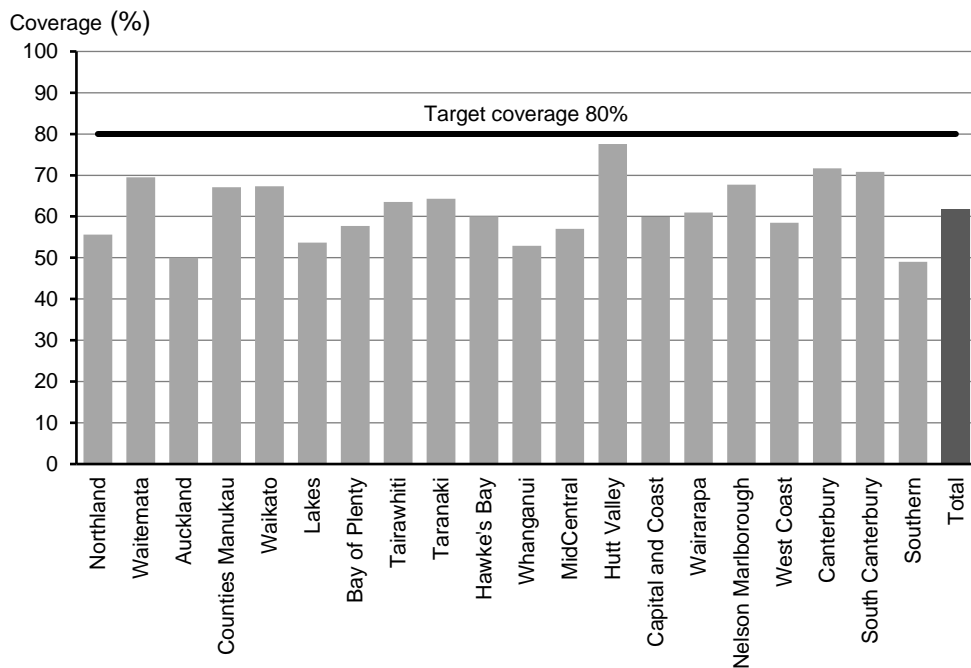


Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 31 March 2020 by District Health Board

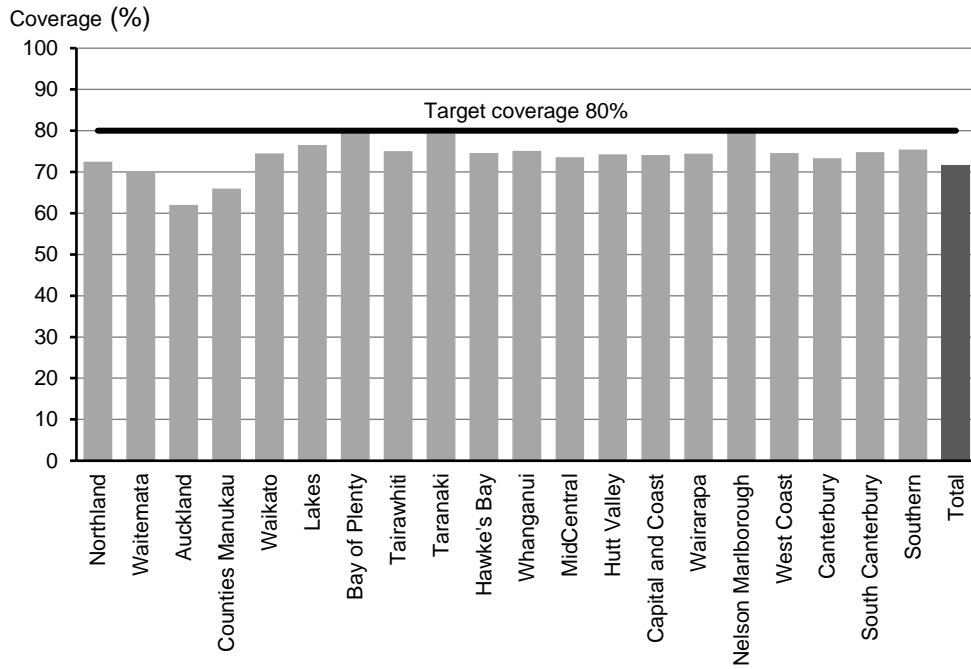


Table 2: NCSP number of screens and coverage (%) in women aged 25–69 years in the three years ending 31 March 2020 by District Health Board

DHB	Eligible Population					Screens					Coverage				
	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total
Northland	13,786	851	2,658	28,946	46,241	9,658	514	1,474	21,540	33,186	70.1%	60.4%	55.5%	74.4%	71.8%
Waitemata	14,189	11,032	45,636	105,854	176,711	8,525	6,746	31,278	75,492	122,041	60.1%	61.1%	68.5%	71.3%	69.1%
Auckland	11,474	14,769	61,165	75,470	162,878	5,751	8,560	29,991	54,681	98,983	50.1%	58.0%	49.0%	72.5%	60.8%
Counties Manukau	20,844	29,354	45,420	58,757	154,375	12,388	19,337	30,080	38,519	100,324	59.4%	65.9%	66.2%	65.6%	65.0%
Waikato	21,532	2,969	12,888	71,536	108,925	14,713	2,107	8,525	54,740	80,085	68.3%	71.0%	66.1%	76.5%	73.5%
Lakes	8,934	548	3,116	16,065	28,663	6,539	478	1,660	12,901	21,578	73.2%	87.2%	53.3%	80.3%	75.3%
Bay of Plenty	13,505	932	5,664	42,597	62,698	9,887	699	3,265	35,588	49,439	73.2%	75.0%	57.6%	83.5%	78.9%
Tairāwhiti	5,847	268	422	5,985	12,522	4,203	159	274	4,606	9,242	71.9%	59.3%	64.9%	77.0%	73.8%
Taranaki	4,876	313	1,727	24,395	31,311	3,570	265	1,112	19,506	24,453	73.2%	84.7%	64.4%	80.0%	78.1%
Hawke's Bay	9,549	1,218	2,686	29,278	42,731	7,100	928	1,575	22,058	31,661	74.4%	76.2%	58.6%	75.3%	74.1%
Whanganui	3,901	337	971	11,160	16,369	2,881	247	499	8,573	12,200	73.9%	73.3%	51.4%	76.8%	74.5%
MidCentral	7,902	1,077	4,493	32,511	45,983	5,128	866	2,512	24,968	33,474	64.9%	80.4%	55.9%	76.8%	72.8%
Hutt Valley	5,947	2,799	5,593	26,556	40,895	4,104	1,909	4,346	19,686	30,045	69.0%	68.2%	77.7%	74.1%	73.5%
Capital & Coast	9,106	5,564	15,427	58,816	88,913	5,941	3,664	9,170	46,435	65,210	65.2%	65.9%	59.4%	78.9%	73.3%
Wairarapa	1,723	174	461	9,570	11,928	1,290	143	271	7,106	8,810	74.9%	82.2%	58.8%	74.3%	73.9%
Nelson Marlborough	3,502	508	2,364	33,564	39,938	2,570	393	1,630	27,072	31,665	73.4%	77.4%	69.0%	80.7%	79.3%
West Coast	923	98	367	7,144	8,532	643	67	220	5,354	6,284	69.7%	68.4%	59.9%	74.9%	73.7%
Canterbury	11,045	3,063	17,736	118,199	150,043	7,620	2,363	12,656	86,370	109,009	69.0%	77.1%	71.4%	73.1%	72.7%
South Canterbury	1,123	128	746	13,330	15,327	711	134	534	10,074	11,453	63.3%	104.7%	71.6%	75.6%	74.7%
Southern	7,157	1,411	7,678	69,655	85,901	4,924	1,059	3,735	54,439	64,157	68.8%	75.1%	48.6%	78.2%	74.7%
National	176,865	77,413	237,218	839,388	1,330,884	118,146	50,638	144,807	629,708	943,299	66.8%	65.4%	61.0%	75.0%	70.9%

DHB coverage comparison trends by ethnicity

Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 31 March, 2018, 2019, 2020, by ethnicity and District Health Board

DHB	Māori			Pacific			Asian			Other		
	Mar-18	Mar-19	Mar-20	Mar-18	Mar-19	Mar-20	Mar-18	Mar-19	Mar-20	Mar-18	Mar-19	Mar-20
Northland	73.1%	73.0%	70.1%	68.3%	65.6%	60.4%	53.1%	55.3%	55.5%	78.4%	76.2%	74.4%
Waitemata	61.9%	61.0%	60.1%	67.8%	63.4%	61.1%	69.4%	68.9%	68.5%	72.8%	71.9%	71.3%
Auckland	53.6%	52.2%	50.1%	63.3%	60.3%	58.0%	49.5%	49.5%	49.0%	71.9%	72.5%	72.5%
Counties Manukau	65.2%	62.6%	59.4%	76.5%	70.3%	65.9%	68.2%	67.5%	66.2%	68.0%	66.7%	65.6%
Waikato	70.1%	69.6%	68.3%	74.4%	73.7%	71.0%	64.3%	66.3%	66.1%	77.9%	77.8%	76.5%
Lakes	73.4%	74.8%	73.2%	82.2%	85.7%	87.2%	48.3%	51.0%	53.3%	80.5%	80.9%	80.3%
Bay of Plenty	73.2%	73.8%	73.2%	73.2%	75.1%	75.0%	56.1%	56.6%	57.6%	86.1%	85.0%	83.5%
Tairāwhiti	71.1%	73.3%	71.9%	68.5%	67.2%	59.3%	56.5%	60.4%	64.9%	79.3%	78.3%	77.0%
Taranaki	75.1%	74.7%	73.2%	88.2%	86.2%	84.7%	65.3%	65.5%	64.4%	82.4%	81.4%	80.0%
Hawke's Bay	76.3%	75.5%	74.4%	73.2%	72.6%	76.2%	59.4%	58.3%	58.6%	76.8%	75.4%	75.3%
Whanganui	73.3%	71.5%	73.9%	74.7%	73.0%	73.3%	51.1%	51.2%	51.4%	78.0%	76.5%	76.8%
MidCentral	66.9%	66.0%	64.9%	75.2%	77.8%	80.4%	55.0%	56.2%	55.9%	77.5%	77.8%	76.8%
Hutt Valley	67.3%	68.0%	69.0%	66.1%	66.6%	68.2%	76.1%	76.7%	77.7%	74.7%	74.3%	74.1%
Capital & Coast	64.9%	65.6%	65.2%	65.0%	66.9%	65.9%	58.9%	59.0%	59.4%	77.5%	78.4%	78.9%
Wairarapa	75.7%	72.4%	74.9%	85.5%	79.9%	82.2%	62.0%	60.1%	58.8%	78.4%	76.2%	74.3%
Nelson Marlborough	74.2%	72.7%	73.4%	71.9%	76.1%	77.4%	63.4%	64.5%	69.0%	81.7%	80.1%	80.7%
West Coast	70.6%	70.7%	69.7%	66.7%	70.1%	68.4%	57.6%	57.3%	59.9%	74.9%	73.9%	74.9%
Canterbury	68.3%	69.3%	69.0%	75.1%	76.7%	77.1%	65.2%	68.9%	71.4%	74.2%	73.7%	73.1%
South Canterbury	65.2%	64.4%	63.3%	98.3%	100.0%	104.7%	66.7%	67.0%	71.6%	77.4%	75.5%	75.6%
Southern	70.1%	70.1%	68.8%	80.0%	77.8%	75.1%	47.5%	48.2%	48.6%	78.6%	78.8%	78.2%
Total	68.6%	68.1%	66.8%	71.3%	68.0%	65.4%	60.9%	61.2%	61.0%	76.1%	75.6%	75.0%