



National
Cervical
Screening
Programme

NCSP New Zealand Bay of Plenty District Health Board Coverage Report

For the period ending
30 June 2021



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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 June 2021 was extracted from the Ministry of Health NCSP Datamart on 26 July 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.

Bay of Plenty coverage

Bay of Plenty coverage by ethnicity in the three years ending 30 June 2021

Figure 1: NCSP coverage (%) in the three years ending 30 June 2021 by ethnicity, women aged 25–69 years, Total Coverage

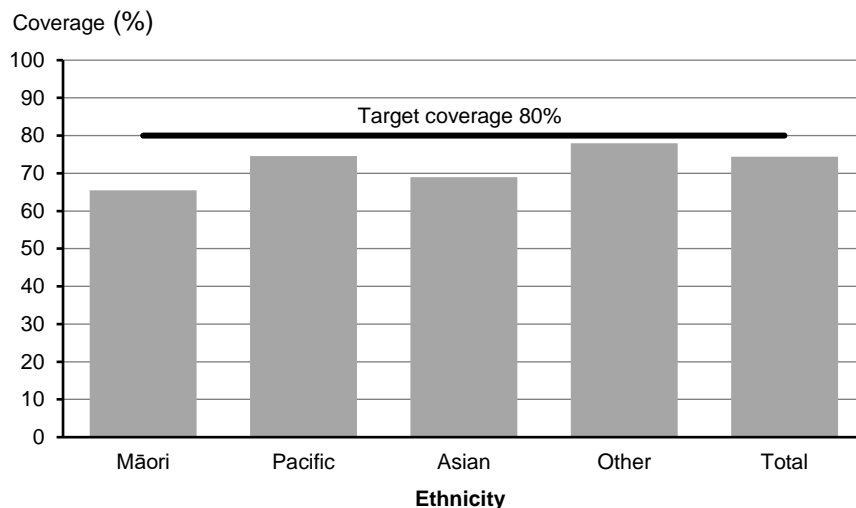


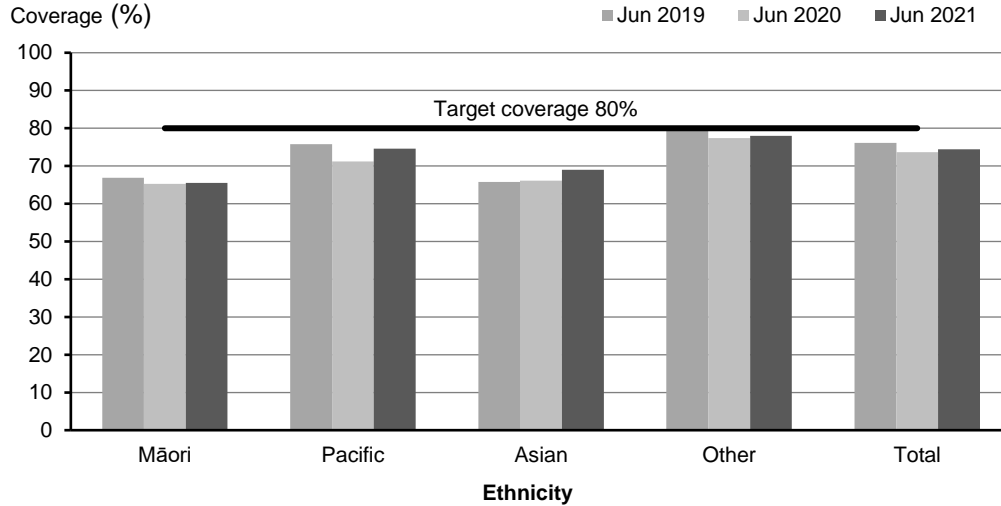
Table 1: NCSP coverage (%) in the three years ending 30 June 2021 by ethnicity, women aged 25–69 years, Total Coverage

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach target*
Māori	15,276	10,009	65.50%	2,211
Pacific	986	736	74.60%	52
Asian	5,289	3,647	69.00%	584
Other	46,170	35,991	78.00%	945
Total	67,721	50,383	74.40%	3,793

*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%.

Bay of Plenty coverage trends by ethnicity

Figure 2: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2021 by ethnicity, Total Coverage



DHB coverage comparisons

DHB coverage by ethnicity in the three years ending 30 June 2021

Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 30 June 2021 by District Health Board

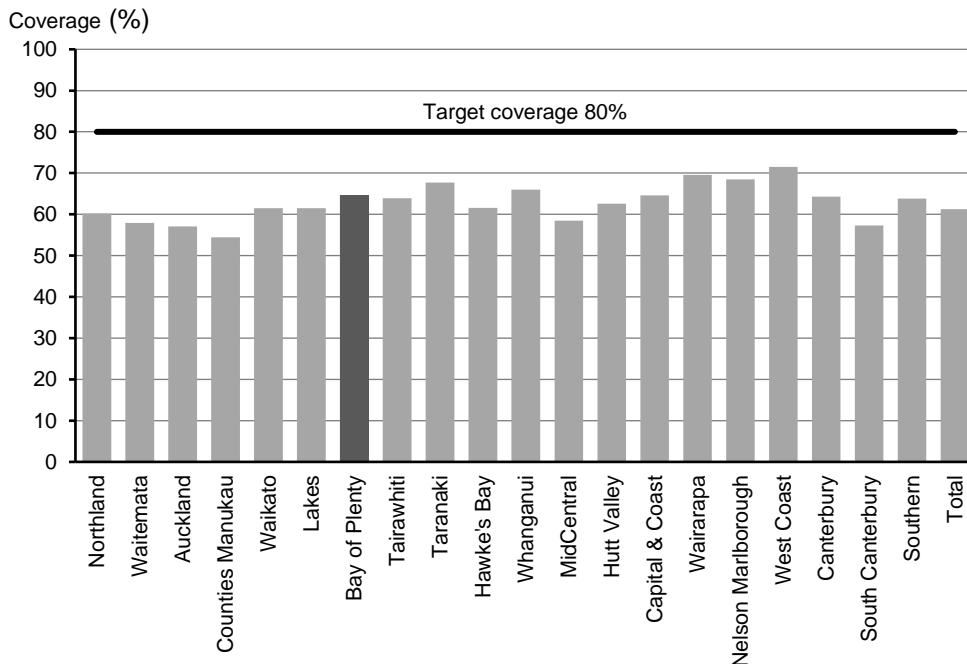


Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 30 June 2021 by District Health Board

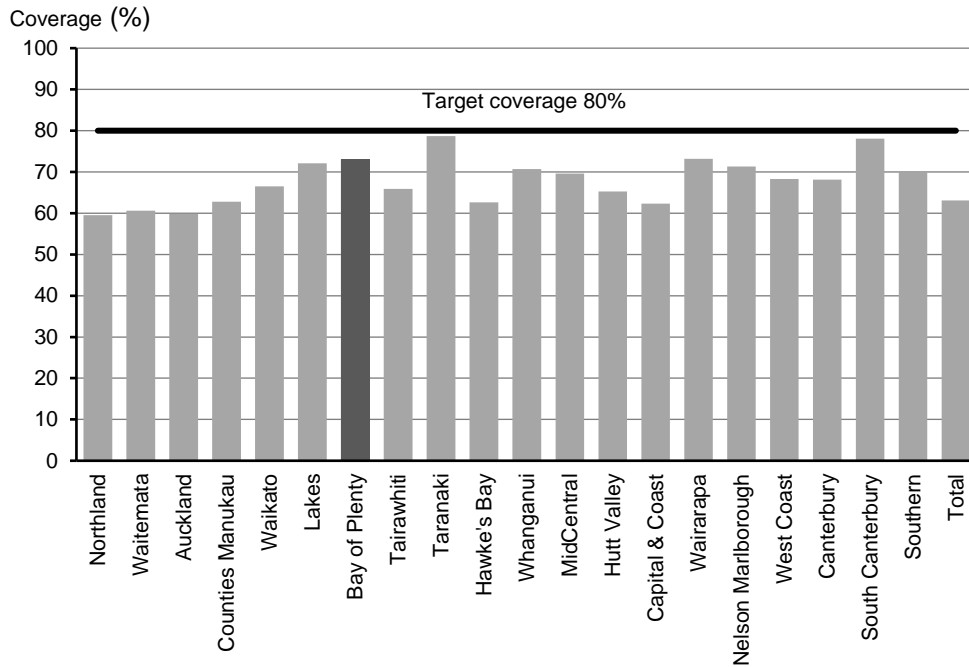


Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 June 2021 by District Health Board

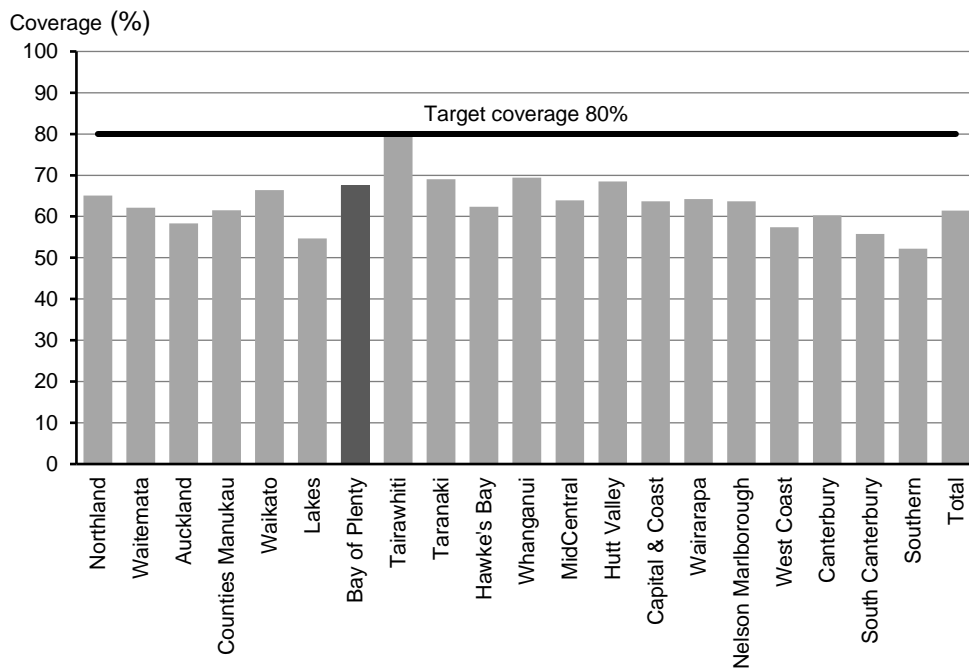


Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2021 by District Health Board

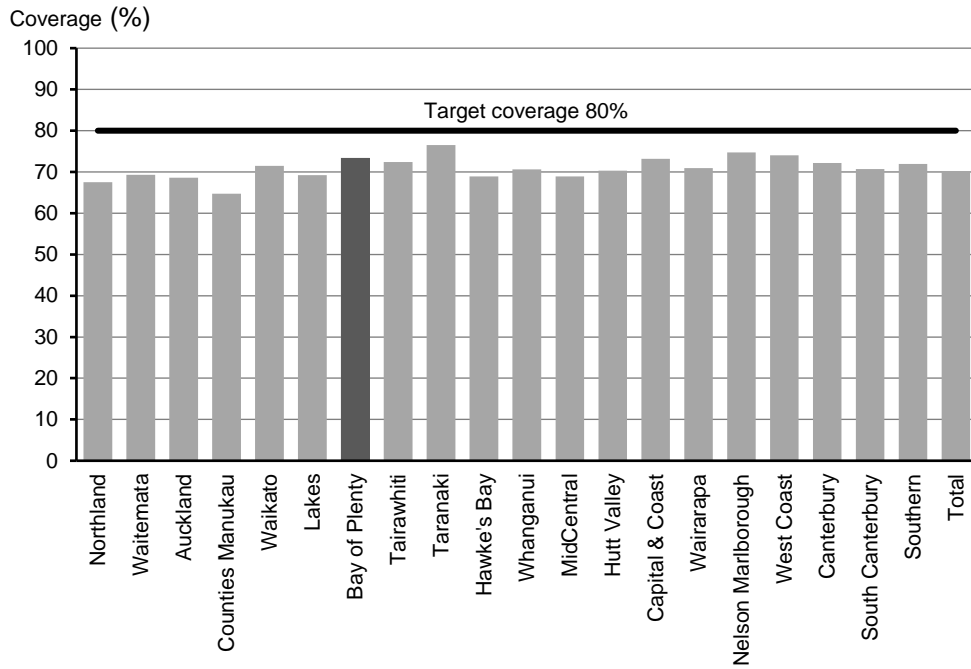


Table 2: NCSP number of screens and coverage (%) in women aged 25–69 years in the three years ending 30 June 2021 by District Health Board

DHB	Eligible Population					Screens					Coverage				
	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total
Northland	15,824	921	2,436	30,061	49,242	9,564	548	1,594	21,935	33,641	60.4%	59.5%	65.4%	73.0%	68.3%
Waitemata	14,386	10,857	51,955	97,788	174,986	8,353	6,627	32,654	74,946	122,580	58.1%	61.0%	62.9%	76.6%	70.1%
Auckland	10,137	13,668	51,587	67,806	143,198	5,862	8,126	30,181	54,601	98,770	57.8%	59.5%	58.5%	80.5%	69.0%
Counties Manukau	21,837	30,204	50,331	50,809	153,181	11,940	18,975	31,315	38,031	100,261	54.7%	62.8%	62.2%	74.9%	65.5%
Waikato	23,610	3,051	13,923	71,876	112,460	14,590	2,030	9,218	54,765	80,603	61.8%	66.5%	66.2%	76.2%	71.7%
Lakes	10,274	627	3,143	16,587	30,631	6,334	478	1,722	12,860	21,394	61.7%	76.2%	54.8%	77.5%	69.8%
Bay of Plenty	15,276	986	5,289	46,170	67,721	10,009	736	3,647	35,991	50,383	65.5%	74.6%	69.0%	78.0%	74.4%
Tairāwhiti	6,434	251	364	5,436	12,485	4,153	173	305	4,638	9,269	64.5%	68.9%	83.8%	85.3%	74.2%
Taranaki	5,448	348	1,695	24,793	32,284	3,721	289	1,214	19,661	24,885	68.3%	83.0%	71.6%	79.3%	77.1%
Hawke's Bay	10,889	1,397	2,743	30,245	45,274	6,777	873	1,720	22,316	31,686	62.2%	62.5%	62.7%	73.8%	70.0%
Whanganui	4,296	375	772	11,842	17,285	2,844	256	544	8,532	12,176	66.2%	68.3%	70.5%	72.0%	70.4%
MidCentral	8,658	1,191	4,107	33,606	47,562	5,071	824	2,604	24,412	32,911	58.6%	69.2%	63.4%	72.6%	69.2%
Hutt Valley	6,485	2,861	6,691	26,696	42,733	4,182	1,908	4,654	19,717	30,461	64.5%	66.7%	69.6%	73.9%	71.3%
Capital & Coast	9,144	5,642	14,954	59,127	88,867	6,031	3,501	9,603	46,615	65,750	66.0%	62.1%	64.2%	78.8%	74.0%
Wairarapa	1,916	212	487	10,029	12,644	1,340	165	322	7,297	9,124	69.9%	77.8%	66.1%	72.8%	72.2%
Nelson Marlborough	3,854	577	2,722	35,117	42,270	2,723	415	1,767	27,239	32,144	70.7%	71.9%	64.9%	77.6%	76.0%
West Coast	932	105	421	7,160	8,618	661	72	254	5,476	6,463	70.9%	68.6%	60.3%	76.5%	75.0%
Canterbury	12,310	3,587	23,147	115,644	154,688	8,041	2,444	14,017	88,698	113,200	65.3%	68.1%	60.6%	76.7%	73.2%
South Canterbury	1,198	183	1,117	13,662	16,160	711	154	638	10,134	11,637	59.3%	84.2%	57.1%	74.2%	72.0%
Southern	7,786	1,578	7,741	72,624	89,729	5,093	1,131	4,136	55,260	65,620	65.4%	71.7%	53.4%	76.1%	73.1%
National	190,694	78,621	245,625	827,078	1,342,018	118,000	49,725	152,109	633,124	952,958	61.9%	63.2%	61.9%	76.5%	71.0%

DHB coverage comparison trends by ethnicity

Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June, 2019, 2020, 2021, by ethnicity and District Health Board

DHB	Māori			Pacific			Asian			Other		
	Jun-19	Jun-20	Jun-21	Jun-19	Jun-20	Jun-21	Jun-19	Jun-20	Jun-21	Jun-19	Jun-20	Jun-21
Northland	65.1%	61.3%	60.4%	66.6%	63.6%	59.5%	63.8%	63.4%	65.4%	76.4%	72.1%	73.0%
Waitemata	60.9%	58.5%	58.1%	66.1%	62.4%	61.0%	65.2%	62.3%	62.9%	77.1%	75.2%	76.6%
Auckland	58.6%	57.1%	57.8%	64.5%	61.6%	59.5%	58.3%	57.1%	58.5%	76.7%	75.9%	80.5%
Counties Manukau	58.6%	55.2%	54.7%	69.6%	65.3%	62.8%	64.8%	61.6%	62.2%	74.2%	72.4%	74.9%
Waikato	64.5%	62.0%	61.8%	73.3%	69.0%	66.5%	65.0%	63.7%	66.2%	78.1%	74.9%	76.2%
Lakes	66.6%	63.1%	61.7%	76.0%	70.7%	76.2%	51.6%	52.2%	54.8%	79.1%	75.8%	77.5%
Bay of Plenty	66.9%	65.3%	65.5%	75.8%	71.2%	74.6%	65.8%	66.1%	69.0%	80.2%	77.4%	78.0%
Tairāwhiti	68.1%	64.8%	64.5%	71.5%	57.5%	68.9%	77.7%	76.7%	83.8%	85.7%	81.6%	85.3%
Taranaki	69.0%	66.3%	68.3%	78.0%	77.5%	83.0%	68.9%	67.5%	71.6%	81.3%	77.8%	79.3%
Hawke's Bay	66.3%	63.8%	62.2%	66.6%	63.4%	62.5%	61.2%	59.8%	62.7%	74.7%	71.6%	73.8%
Whanganui	67.5%	66.9%	66.2%	66.3%	67.2%	68.3%	66.1%	69.7%	70.5%	72.8%	71.6%	72.0%
MidCentral	62.9%	59.5%	58.6%	73.9%	70.9%	69.2%	64.0%	62.2%	63.4%	76.0%	72.2%	72.6%
Hutt Valley	63.2%	62.5%	64.5%	65.9%	64.8%	66.7%	68.8%	67.2%	69.6%	73.1%	71.5%	73.9%
Capital & Coast	65.8%	63.7%	66.0%	65.3%	62.5%	62.1%	62.9%	61.5%	64.2%	76.2%	75.0%	78.8%
Wairarapa	67.8%	67.5%	69.9%	71.0%	64.2%	77.8%	62.4%	61.1%	66.1%	75.4%	71.4%	72.8%
Nelson Marlborough	68.0%	68.0%	70.7%	77.6%	72.1%	71.9%	59.7%	61.3%	64.9%	77.7%	76.3%	77.6%
West Coast	69.8%	68.6%	70.9%	77.8%	62.6%	68.6%	51.1%	52.3%	60.3%	74.6%	74.5%	76.5%
Canterbury	66.3%	63.9%	65.3%	68.8%	67.5%	68.1%	58.5%	58.1%	60.6%	75.9%	74.1%	76.7%
South Canterbury	62.5%	60.4%	59.3%	78.0%	83.2%	84.2%	50.3%	53.0%	57.1%	74.0%	72.6%	74.2%
Southern	65.7%	63.7%	65.4%	73.2%	69.0%	71.7%	51.6%	50.4%	53.4%	75.3%	73.3%	76.1%
National	64.3%	61.8%	61.9%	68.2%	64.6%	63.2%	62.2%	60.4%	61.9%	76.6%	74.4%	76.5%