



National
Cervical
Screening
Programme

NCSP New Zealand All District Health Board Coverage Report

For the period ending
31 December 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 December 2020 was extracted from the Ministry of Health NCSP Datamart on 26 January 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 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.

All coverage

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

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

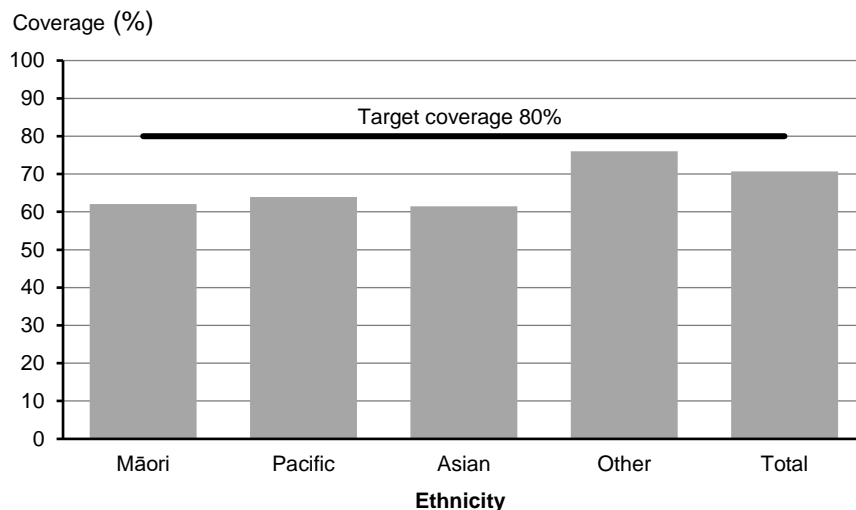


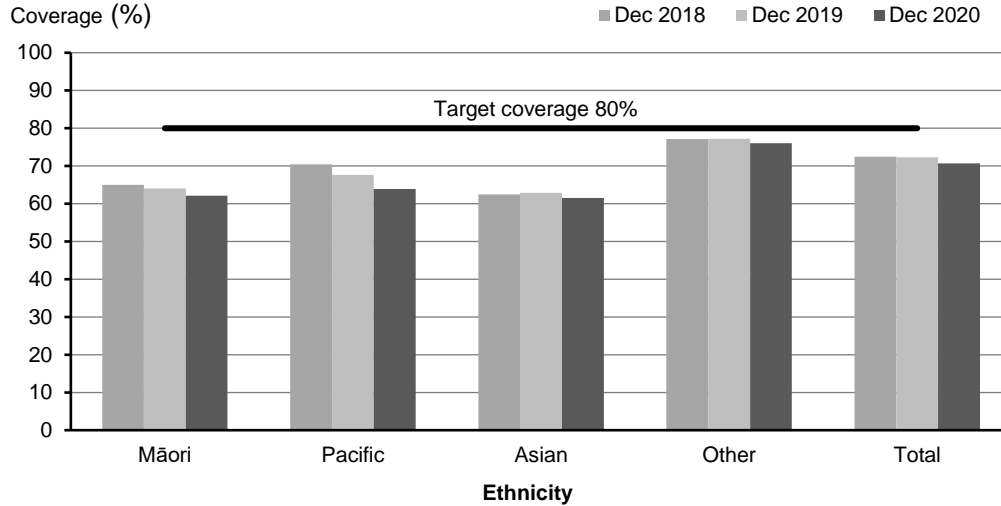
Table 1: NCSP coverage (%) in the three years ending 31 December 2020 by ethnicity, women aged 25–69 years, Total Coverage

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach target*
Māori	189,100	117,374	62.10%	33,906
Pacific	77,589	49,563	63.90%	12,508
Asian	240,686	147,997	61.50%	44,551
Other	825,588	627,451	76.00%	33,019
Total	1,332,963	942,385	70.70%	123,985

*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 December 2020 by ethnicity, Total Coverage



DHB coverage comparisons

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

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

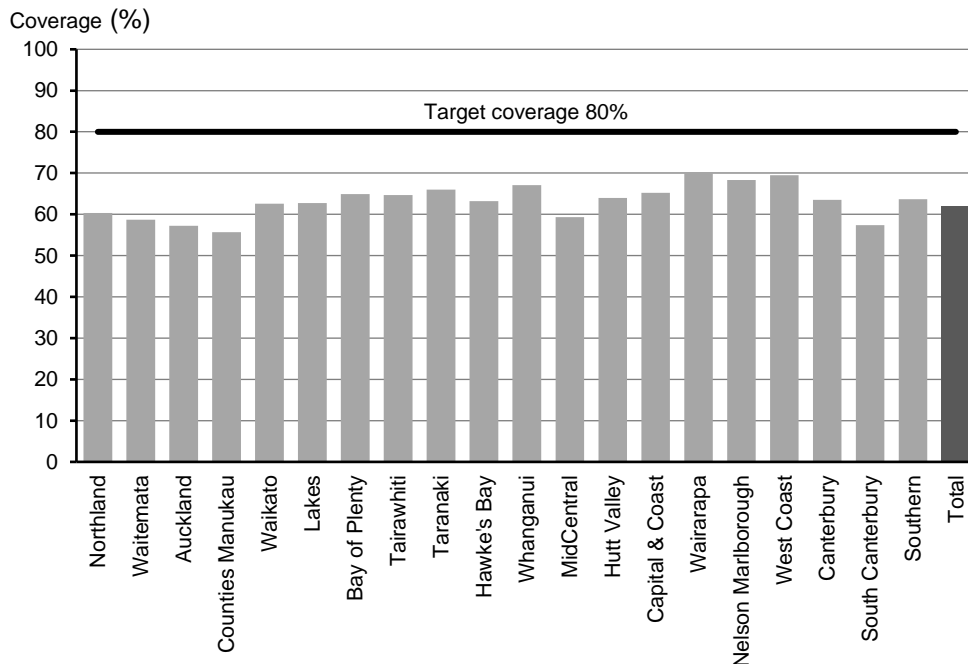


Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 31 December 2020 by District Health Board

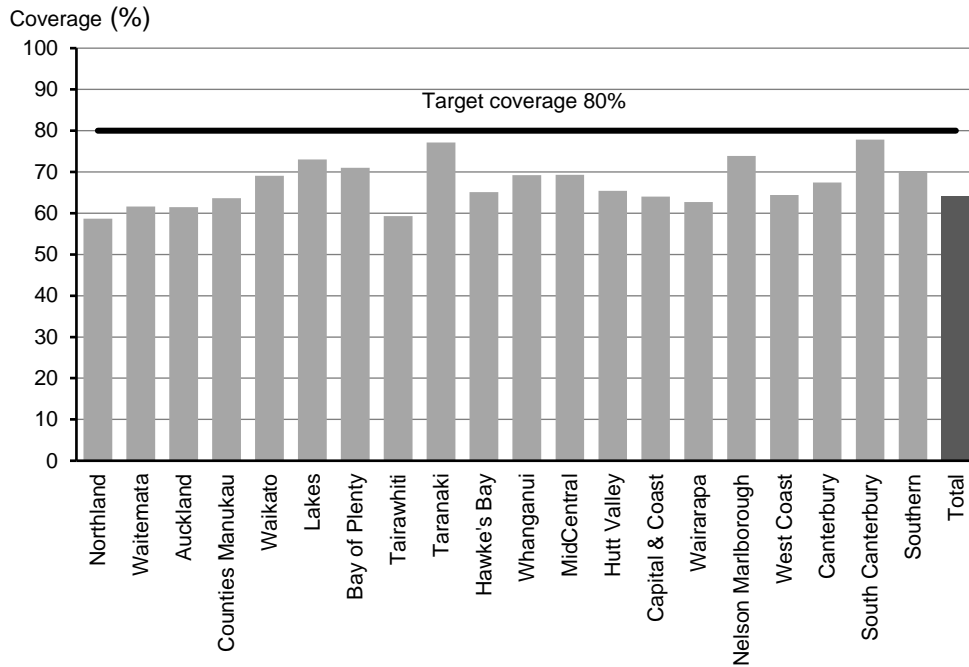


Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 31 December 2020 by District Health Board

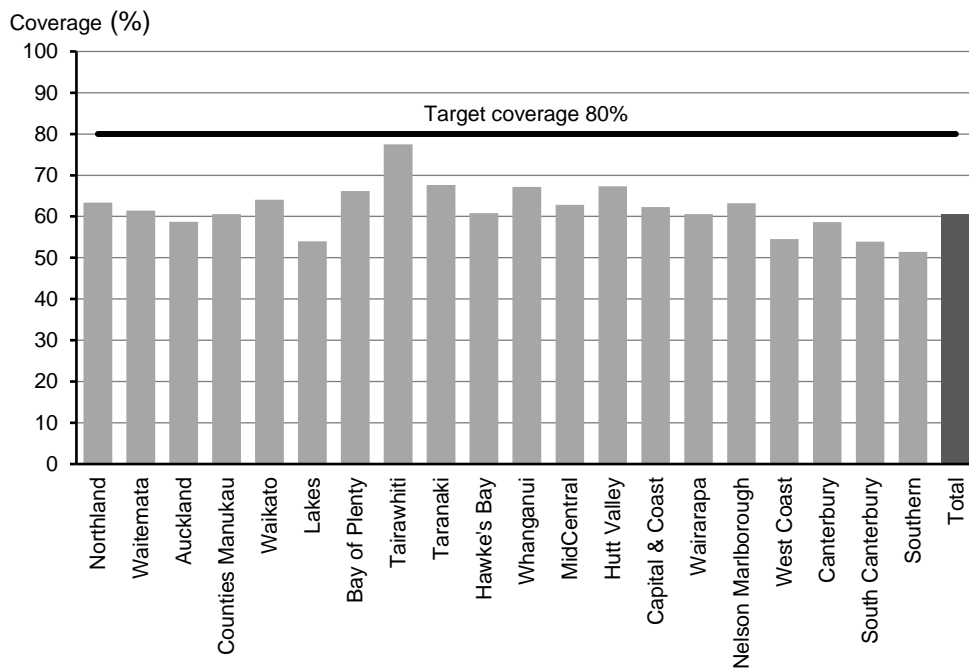


Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 31 December 2020 by District Health Board

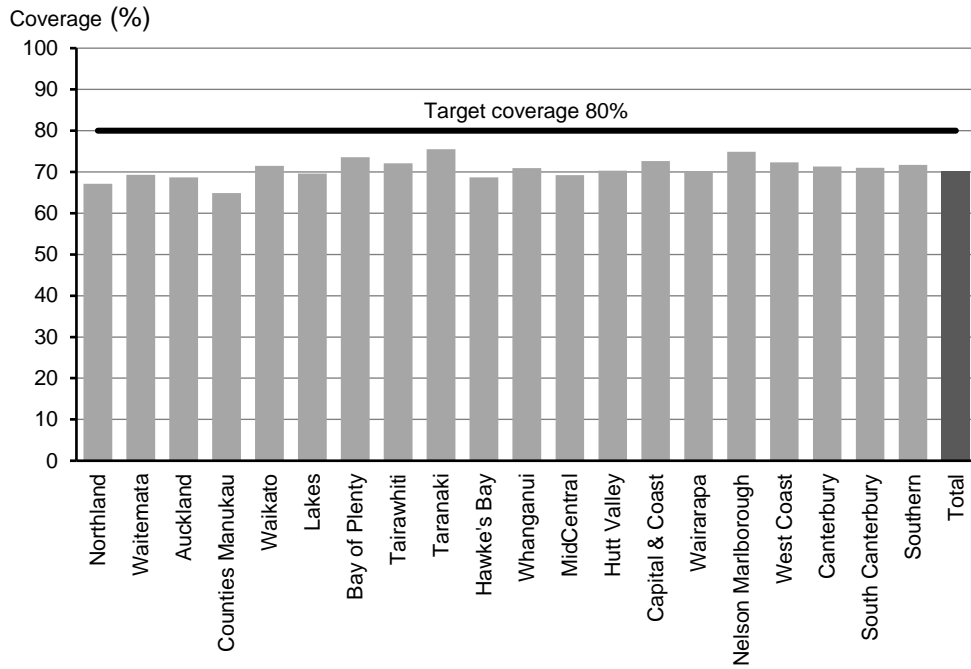


Table 2: NCSP number of screens and coverage (%) in women aged 25–69 years in the three years ending 31 December 2020 by District Health Board

DHB	Eligible Population					Screens					Coverage				
	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total
Northland	15,734	895	2,384	29,972	48,985	9,567	541	1,553	21,536	33,197	60.8%	60.4%	65.1%	71.9%	67.8%
Waitemata	14,249	10,700	50,897	97,513	173,359	8,388	6,536	31,728	74,679	121,331	58.9%	61.1%	62.3%	76.6%	70.0%
Auckland	10,059	13,504	50,638	67,701	141,902	5,814	8,284	30,040	54,571	98,709	57.8%	61.3%	59.3%	80.6%	69.6%
Counties Manukau	21,617	29,702	49,381	50,871	151,571	12,032	18,892	30,382	37,823	99,129	55.7%	63.6%	61.5%	74.4%	65.4%
Waikato	23,421	3,005	13,625	71,696	111,747	14,578	2,028	8,926	55,050	80,582	62.2%	67.5%	65.5%	76.8%	72.1%
Lakes	10,190	641	3,065	16,568	30,464	6,356	470	1,680	12,712	21,218	62.4%	73.3%	54.8%	76.7%	69.6%
Bay of Plenty	15,172	981	5,169	45,975	67,297	9,931	714	3,465	35,673	49,783	65.5%	72.8%	67.0%	77.6%	74.0%
Tairāwhiti	6,393	255	364	5,450	12,462	4,134	157	276	4,483	9,050	64.7%	61.6%	75.8%	82.3%	72.6%
Taranaki	5,426	346	1,664	24,725	32,161	3,673	275	1,158	19,546	24,652	67.7%	79.5%	69.6%	79.1%	76.7%
Hawke's Bay	10,819	1,388	2,686	30,217	45,110	6,766	881	1,671	21,780	31,098	62.5%	63.5%	62.2%	72.1%	68.9%
Whanganui	4,265	377	750	11,858	17,250	2,847	248	510	8,507	12,112	66.8%	65.8%	68.0%	71.7%	70.2%
MidCentral	8,568	1,187	4,053	33,592	47,400	5,120	837	2,576	24,389	32,922	59.8%	70.5%	63.6%	72.6%	69.5%
Hutt Valley	6,456	2,863	6,572	26,622	42,513	4,133	1,894	4,513	19,648	30,188	64.0%	66.2%	68.7%	73.8%	71.0%
Capital & Coast	9,042	5,605	14,705	59,015	88,367	5,952	3,572	9,292	46,070	64,886	65.8%	63.7%	63.2%	78.1%	73.4%
Wairarapa	1,893	216	479	10,015	12,603	1,333	145	295	7,187	8,960	70.4%	67.1%	61.6%	71.8%	71.1%
Nelson Marlborough	3,829	568	2,644	35,102	42,143	2,640	416	1,682	27,025	31,763	68.9%	73.2%	63.6%	77.0%	75.4%
West Coast	931	104	421	7,169	8,625	668	65	231	5,402	6,366	71.8%	62.5%	54.9%	75.4%	73.8%
Canterbury	12,131	3,531	22,592	115,327	153,581	7,790	2,402	13,520	86,843	110,555	64.2%	68.0%	59.8%	75.3%	72.0%
South Canterbury	1,184	183	1,085	13,631	16,083	691	141	600	10,002	11,434	58.4%	77.0%	55.3%	73.4%	71.1%
Southern	7,721	1,538	7,512	72,569	89,340	4,961	1,065	3,899	54,525	64,450	64.3%	69.2%	51.9%	75.1%	72.1%
National	189,100	77,589	240,686	825,588	1,332,963	117,374	49,563	147,997	627,451	942,385	62.1%	63.9%	61.5%	76.0%	70.7%

DHB coverage comparison trends by ethnicity

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

DHB	Māori			Pacific			Asian			Other		
	Dec-18	Dec-19	Dec-20	Dec-18	Dec-19	Dec-20	Dec-18	Dec-19	Dec-20	Dec-18	Dec-19	Dec-20
Northland	65.1%	63.6%	60.8%	68.3%	64.0%	60.4%	63.6%	65.6%	65.1%	77.5%	74.9%	71.9%
Waitemata	61.9%	61.1%	58.9%	67.6%	65.6%	61.1%	65.2%	65.3%	62.3%	77.3%	78.3%	76.6%
Auckland	59.6%	59.3%	57.8%	67.7%	64.9%	61.3%	59.0%	60.1%	59.3%	77.8%	79.6%	80.6%
Counties Manukau	61.6%	58.3%	55.7%	73.3%	68.2%	63.6%	65.6%	64.4%	61.5%	75.1%	75.6%	74.4%
Waikato	65.1%	64.7%	62.2%	74.6%	71.4%	67.5%	65.1%	66.1%	65.5%	78.9%	78.2%	76.8%
Lakes	67.7%	66.2%	62.4%	77.5%	77.7%	73.3%	51.3%	55.0%	54.8%	79.9%	79.8%	76.7%
Bay of Plenty	67.1%	66.7%	65.5%	73.8%	75.3%	72.8%	65.0%	66.9%	67.0%	80.8%	79.6%	77.6%
Tairāwhiti	67.3%	67.1%	64.7%	70.8%	64.8%	61.6%	69.0%	77.5%	75.8%	84.5%	85.7%	82.3%
Taranaki	69.7%	67.7%	67.7%	82.4%	79.9%	79.5%	69.4%	68.5%	69.6%	82.2%	81.1%	79.1%
Hawke's Bay	66.9%	66.5%	62.5%	63.6%	67.0%	63.5%	60.9%	62.1%	62.2%	74.6%	74.1%	72.1%
Whanganui	67.4%	69.0%	66.8%	67.8%	68.7%	65.8%	65.9%	69.1%	68.0%	73.8%	73.5%	71.7%
MidCentral	62.5%	62.1%	59.8%	71.6%	72.8%	70.5%	63.5%	64.1%	63.6%	75.9%	75.2%	72.6%
Hutt Valley	62.8%	64.1%	64.0%	65.0%	67.3%	66.2%	68.8%	69.0%	68.7%	74.6%	74.7%	73.8%
Capital & Coast	66.6%	66.6%	65.8%	66.4%	66.4%	63.7%	63.3%	64.0%	63.2%	76.8%	78.1%	78.1%
Wairarapa	67.3%	69.5%	70.4%	68.0%	63.7%	67.1%	64.2%	62.8%	61.6%	76.1%	74.2%	71.8%
Nelson Marlborough	68.4%	69.0%	68.9%	71.6%	72.0%	73.2%	60.1%	63.2%	63.6%	77.9%	78.2%	77.0%
West Coast	72.0%	71.8%	71.8%	73.3%	72.6%	62.5%	49.5%	49.8%	54.9%	75.1%	76.2%	75.4%
Canterbury	66.2%	65.5%	64.2%	68.9%	68.4%	68.0%	58.0%	59.3%	59.8%	76.0%	76.1%	75.3%
South Canterbury	63.1%	62.3%	58.4%	70.8%	78.0%	77.0%	49.4%	52.9%	55.3%	74.8%	74.3%	73.4%
Southern	66.4%	65.5%	64.3%	75.7%	72.6%	69.2%	51.7%	52.2%	51.9%	76.0%	75.6%	75.1%
National	65.0%	64.1%	62.1%	70.4%	67.6%	63.9%	62.5%	62.9%	61.5%	77.1%	77.2%	76.0%