



NCSP Northland District Health Board Coverage Report

For the period ending 31 March
2016

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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. While we have met this target nationally for European/ Other women, coverage rates for Maori, Asian and Pacific women remain at under 70 percent.

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 number of women screened for the three year periods ending 31 March 2014 and 31 March 2015 were extracted from the NCSP Datamart on 29 April 2016. The data for the period ending 31 March 2016 was extracted from the Ministry of Health NCSP Datamart on 15 April 2016.

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 2014 update based on the 2013 Census. The population projections have been adjusted for the prevalence of hysterectomy.

Additional detail on the methodology can be obtained via a request made to screening@moh.govt.nz.

Northland DHB coverage

Northland DHB coverage by ethnicity in the three years ending 31 March 2016

Figure 1: NCSP coverage (%) in the three years ending 31 March 2016 by ethnicity, women aged 25–69 years, Northland District Health Board

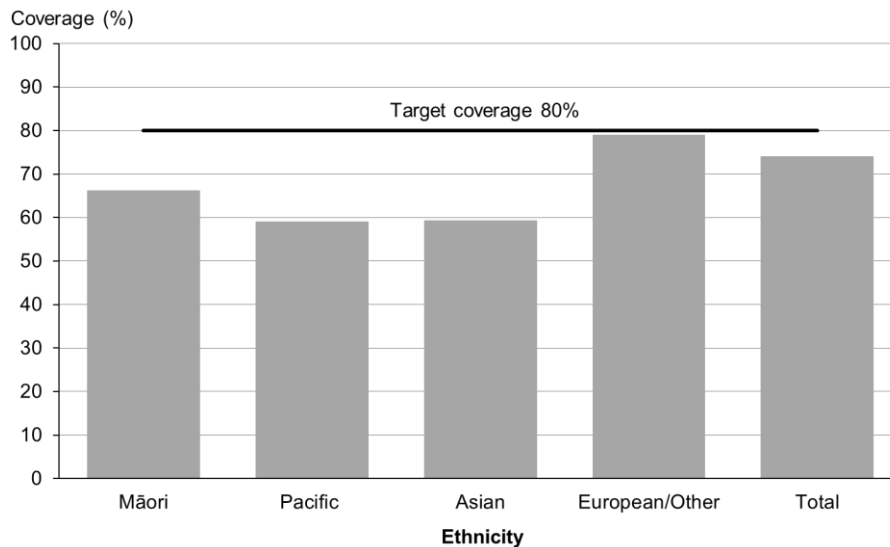


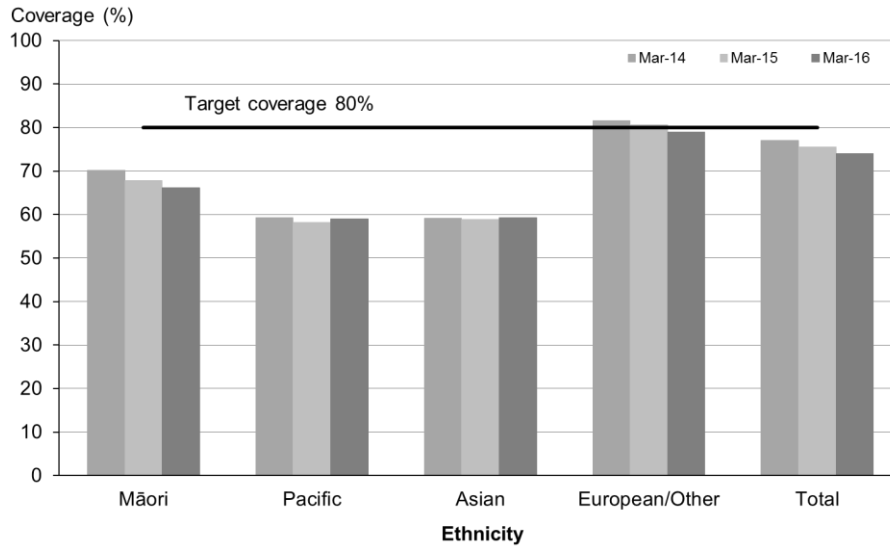
Table 1: NCSP coverage (%) in the three years ending 31 March 2016 by ethnicity, women aged 25–69 years, Northland District Health Board

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach 80% target*
Māori	12,680	8,398	66.2%	1,746
Pacific	691	408	59.0%	145
Asian	1,692	1,004	59.3%	350
European/Other	26,874	21,208	78.9%	291
Total	41,937	31,018	74.0%	2,532

*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 2014, 2015 and 2016 by ethnicity, Northland District Health Board



DHB coverage comparisons

DHB coverage by ethnicity in the three years ending 31 March 2016

Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 31 March 2016 by District Health Board

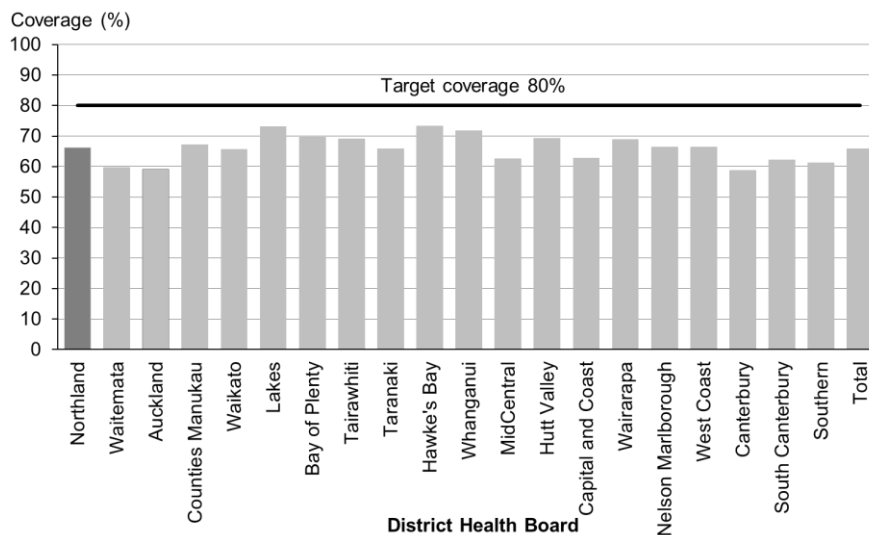


Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 31 March 2016 by District Health Board

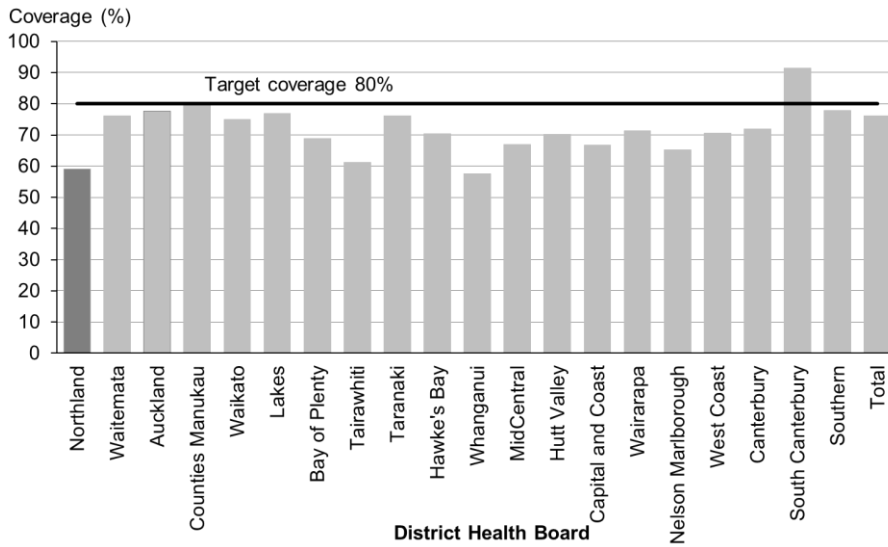


Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 31 March 2016 by District Health Board

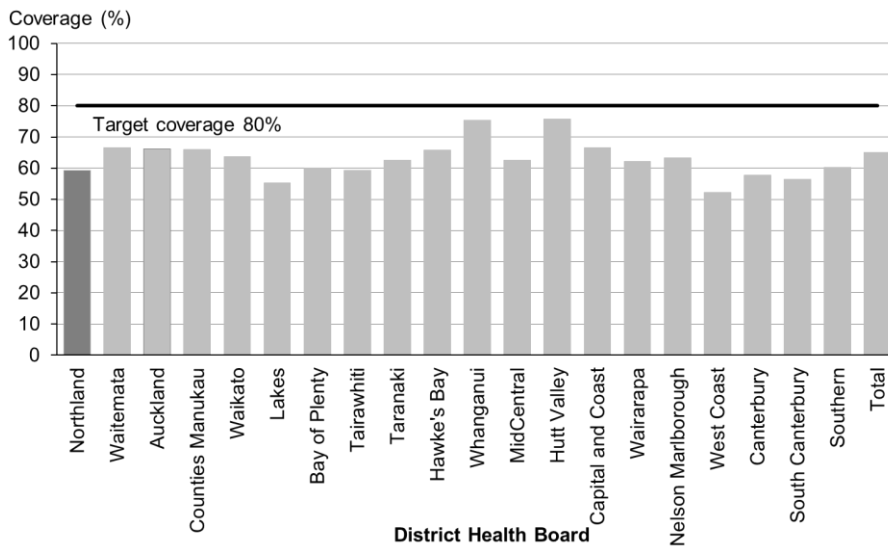


Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 31 March 2016 by District Health Board

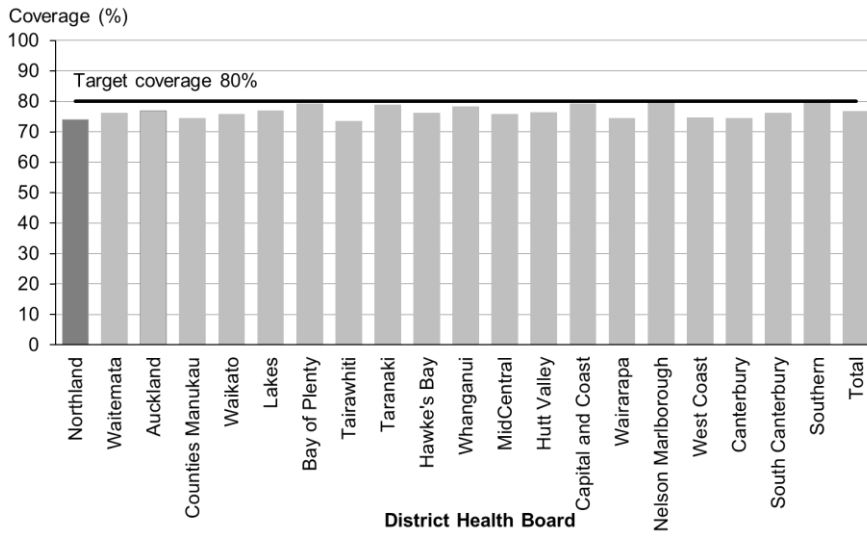


Table 2: NCSP number of screens and coverage (%) in women aged 25–69 years in the three years ending 31 March 2016 by District Health Board

DHB name	Eligible population					Screens					Coverage				
	Māori	Pacific	Asian	European/ Other	Total	Māori	Pacific	Asian	European/ Other	Total	Māori	Pacific	Asian	European/ Other	Total
Northland	12,680	691	1,692	26,874	41,937	8,398	408	1,004	21,208	31,018	66.2%	59.0%	59.3%	78.9%	74.0%
Waitemata	12,589	9,296	35,121	97,914	154,920	7,516	7,083	23,381	79,934	117,914	59.7%	76.2%	66.6%	81.6%	76.1%
Auckland	9,658	12,322	42,153	69,709	133,842	5,706	9,576	27,877	59,739	102,898	59.1%	77.7%	66.1%	85.7%	76.9%
Counties Manukau	18,118	25,163	36,191	54,310	133,782	12,171	20,151	23,887	43,352	99,561	67.2%	80.1%	66.0%	79.8%	74.4%
Waikato	19,193	2,400	8,885	67,491	97,969	12,596	1,800	5,657	54,079	74,132	65.6%	75.0%	63.7%	80.1%	75.7%
Lakes	8,145	552	2,021	15,725	26,443	5,948	424	1,117	12,861	20,350	73.0%	76.8%	55.3%	81.8%	77.0%
Bay of Plenty	12,249	810	3,580	39,511	56,150	8,533	558	2,151	33,193	44,435	69.7%	68.9%	60.1%	84.0%	79.1%
Tairāwhiti	5,345	253	351	5,876	11,825	3,686	155	208	4,633	8,682	69.0%	61.3%	59.3%	78.8%	73.4%
Taranaki	4,449	276	1,388	24,050	30,163	2,924	210	869	19,764	23,767	65.7%	76.1%	62.6%	82.2%	78.8%
Hawke's Bay	8,937	1,162	1,821	28,536	40,456	6,546	818	1,197	22,236	30,797	73.2%	70.4%	65.7%	77.9%	76.1%
Whanganui	3,515	323	472	10,937	15,247	2,519	186	356	8,856	11,917	71.7%	57.6%	75.4%	81.0%	78.2%
MidCentral	6,979	982	3,167	31,280	42,408	4,365	658	1,980	25,117	32,120	62.5%	67.0%	62.5%	80.3%	75.7%
Hutt Valley	5,456	2,620	4,429	25,665	38,170	3,778	1,841	3,356	20,153	29,128	69.2%	70.3%	75.8%	78.5%	76.3%
Capital and Coast	7,798	5,120	11,521	55,957	80,396	4,894	3,416	7,659	47,720	63,689	62.8%	66.7%	66.5%	85.3%	79.2%
Wairarapa	1,580	174	336	9,039	11,129	1,088	124	209	6,866	8,287	68.9%	71.3%	62.2%	76.0%	74.5%
Nelson Marlborough	3,202	457	1,723	32,855	38,237	2,123	298	1,092	27,215	30,728	66.3%	65.2%	63.4%	82.8%	80.4%
West Coast	844	78	348	7,479	8,749	560	55	182	5,734	6,531	66.4%	70.5%	52.3%	76.7%	74.6%
Canterbury	9,417	2,684	13,411	111,110	136,622	5,531	1,932	7,757	86,418	101,638	58.7%	72.0%	57.8%	77.8%	74.4%
South Canterbury	984	104	573	13,238	14,899	611	95	323	10,321	11,350	62.1%	91.3%	56.4%	78.0%	76.2%
Southern	6,293	1,131	4,458	66,461	78,343	3,857	880	2,688	54,826	62,251	61.3%	77.8%	60.3%	82.5%	79.5%
Unspecified						192	88	123	1,398	1,801					
Total	157,431	66,598	173,641	794,017	1,191,687	103,542	50,756	113,073	645,623	912,994	65.8%	76.2%	65.1%	81.3%	76.6%

DHB coverage comparison trends by ethnicity

Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 31 March 2014, 2015 and 2016, by ethnicity and District Health Board

District Health Board	Māori			Pacific			Asian			European/Other		
	Mar-14	Mar-15	Mar-16	Mar-14	Mar-15	Mar-16	Mar-14	Mar-15	Mar-16	Mar-14	Mar-15	Mar-16
Northland	70.2%	67.8%	66.2%	59.3%	58.2%	59.0%	59.1%	58.9%	59.3%	81.5%	80.7%	78.9%
Waitemata	60.4%	59.5%	59.7%	75.7%	75.1%	76.2%	65.6%	65.5%	66.6%	83.0%	82.3%	81.6%
Auckland	59.1%	57.3%	59.1%	74.4%	74.4%	77.7%	62.7%	63.8%	66.1%	84.6%	84.6%	85.7%
Counties Manukau	66.1%	64.1%	67.2%	79.3%	77.3%	80.1%	64.6%	64.4%	66.0%	81.0%	79.7%	79.8%
Waikato	65.1%	64.4%	65.6%	76.6%	75.4%	75.0%	61.4%	62.8%	63.7%	81.4%	80.8%	80.1%
Lakes	72.5%	72.1%	73.0%	75.7%	74.4%	76.8%	53.1%	53.6%	55.3%	82.9%	82.0%	81.8%
Bay of Plenty	69.0%	69.0%	69.7%	71.5%	70.2%	68.9%	60.5%	61.1%	60.1%	86.1%	85.3%	84.0%
Tairāwhiti	72.2%	68.1%	69.0%	64.9%	59.2%	61.3%	57.1%	59.4%	59.3%	81.6%	77.3%	78.8%
Taranaki	68.8%	67.4%	65.7%	72.3%	78.1%	76.1%	59.5%	61.4%	62.6%	86.3%	84.2%	82.2%
Hawke's Bay	74.4%	73.1%	73.2%	75.6%	69.5%	70.4%	66.2%	64.3%	65.7%	81.1%	79.6%	77.9%
Whanganui	70.9%	69.8%	71.7%	65.4%	65.5%	57.6%	72.2%	72.4%	75.4%	80.9%	80.4%	81.0%
MidCentral	64.4%	63.2%	62.5%	70.8%	68.1%	67.0%	59.5%	62.1%	62.5%	81.3%	81.2%	80.3%
Hutt Valley	67.8%	68.3%	69.2%	69.8%	70.6%	70.3%	72.1%	73.6%	75.8%	79.7%	79.3%	78.5%
Capital and Coast	65.2%	63.3%	62.8%	69.3%	67.8%	66.7%	65.5%	65.2%	66.5%	85.8%	84.9%	85.3%
Wairarapa	73.0%	72.1%	68.9%	71.3%	75.6%	71.3%	59.3%	61.8%	62.2%	80.1%	78.1%	76.0%
Nelson Marlborough	66.5%	65.7%	66.3%	64.1%	62.7%	65.2%	56.6%	59.6%	63.4%	84.0%	83.8%	82.8%
West Coast	67.6%	65.3%	66.4%	70.4%	71.3%	70.5%	49.4%	48.3%	52.3%	79.9%	78.8%	76.7%
Canterbury	61.7%	60.1%	58.7%	71.3%	71.5%	72.0%	53.4%	54.9%	57.8%	80.2%	78.4%	77.8%
South Canterbury	57.8%	61.2%	62.1%	76.7%	86.1%	91.3%	47.0%	51.0%	56.4%	77.2%	78.7%	78.0%
Southern	63.3%	61.1%	61.3%	79.2%	80.8%	77.8%	55.4%	57.1%	60.3%	83.0%	82.6%	82.5%
Total	66.6%	65.3%	65.8%	75.6%	74.5%	76.2%	62.8%	63.4%	65.1%	82.7%	81.8%	81.3%

Key ■ < 70% ■ 70–79.9% ■ ≥ 80%