



NCSP Northland District Health Board Coverage Report

For the period ending 31 March
2015

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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 2013, 2014 and 2015 were extracted from the National Cervical Screening Register (the Register) on 7 June 2014 for March 2013, on 23 May 2014 for March 2014 and 7 May 2015 for March 2015.

Screened women 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.

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. For 31 March 2013, the 2014 update of the 2001 to 2013 DHB population estimates based on the 2013 Census was used. Both the population projections and population estimates 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 2015

Figure 1: NCSP coverage (%) in the three years ending 31 March 2015 by ethnicity, women aged 25–69 years, Northland District Health Board

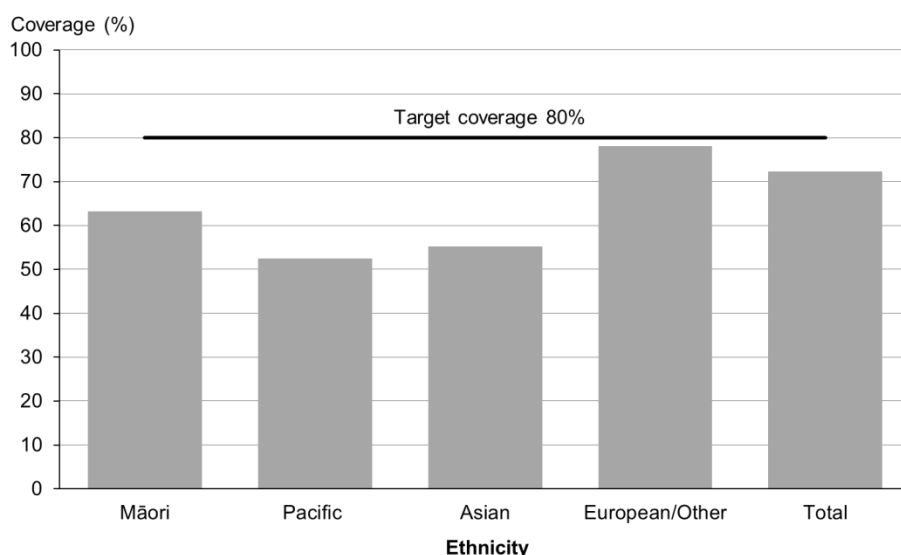


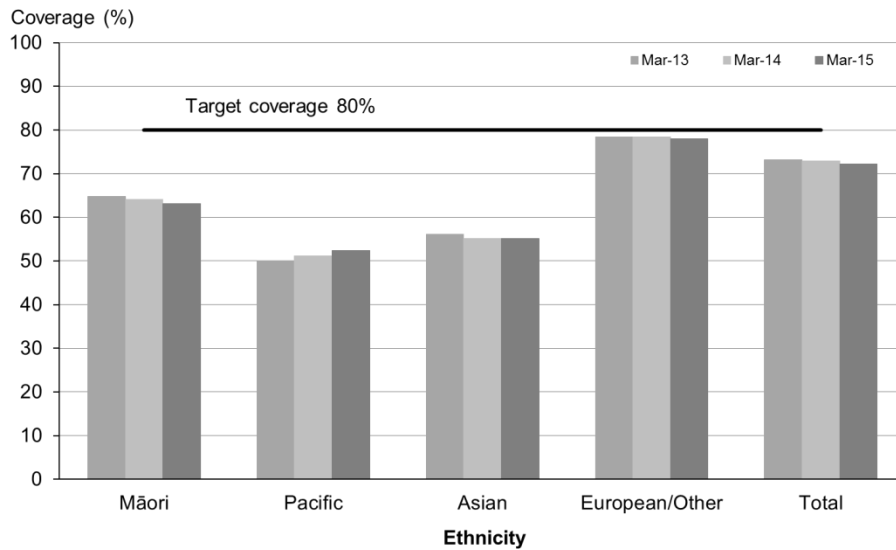
Table 1: NCSP coverage (%) in the three years ending 31 March 2015 by ethnicity, women aged 25–69 years, Northland District Health Board

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach 80% target*
Māori	12,412	7,838	63.1%	2,092
Pacific	665	348	52.4%	184
Asian	1,626	898	55.2%	403
European/Other	26,586	20,729	78.0%	540
Total	41,289	29,813	72.2%	3,218

*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 2013, 2014, and 2015 by ethnicity, Northland District Health Board



DHB coverage comparisons

DHB coverage by ethnicity in the three years ending 31 March 2015

Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 31 March 2015 by District Health Board

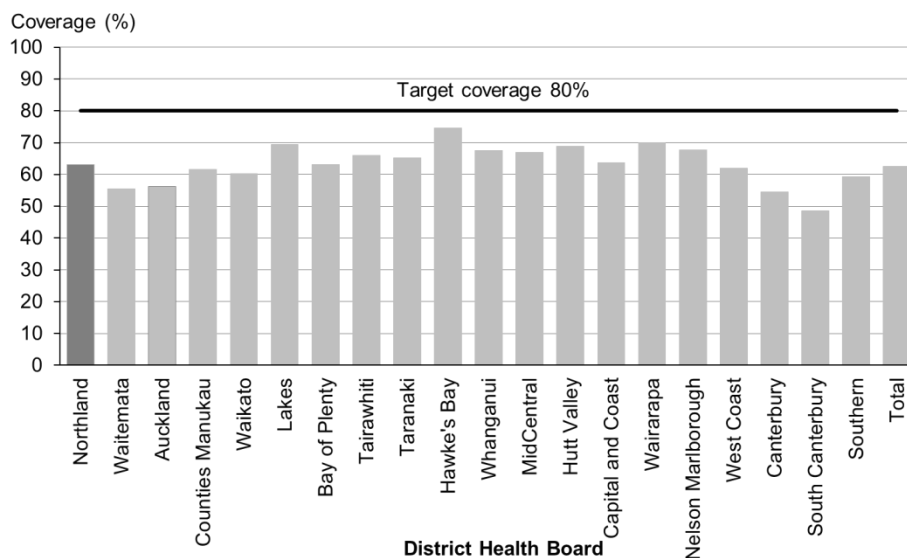


Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 31 March 2015 by District Health Board

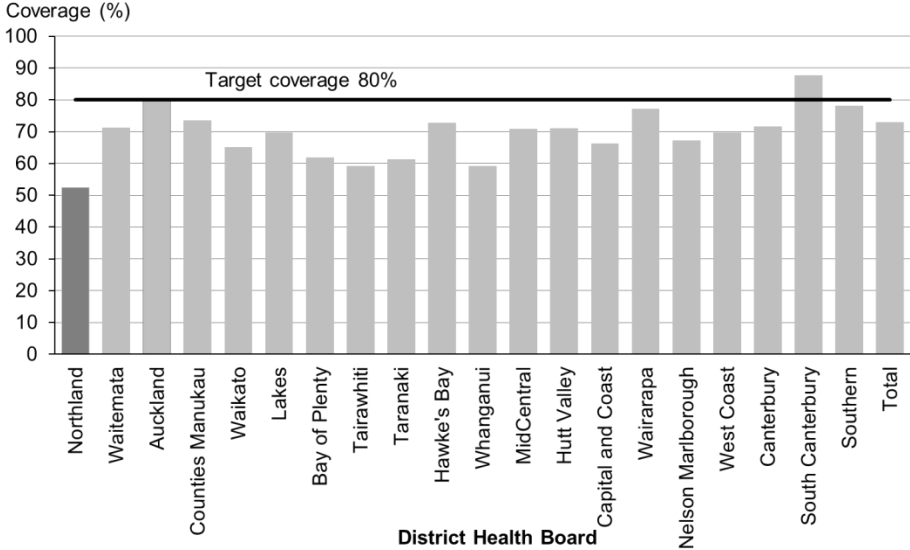


Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 31 March 2015 by District Health Board

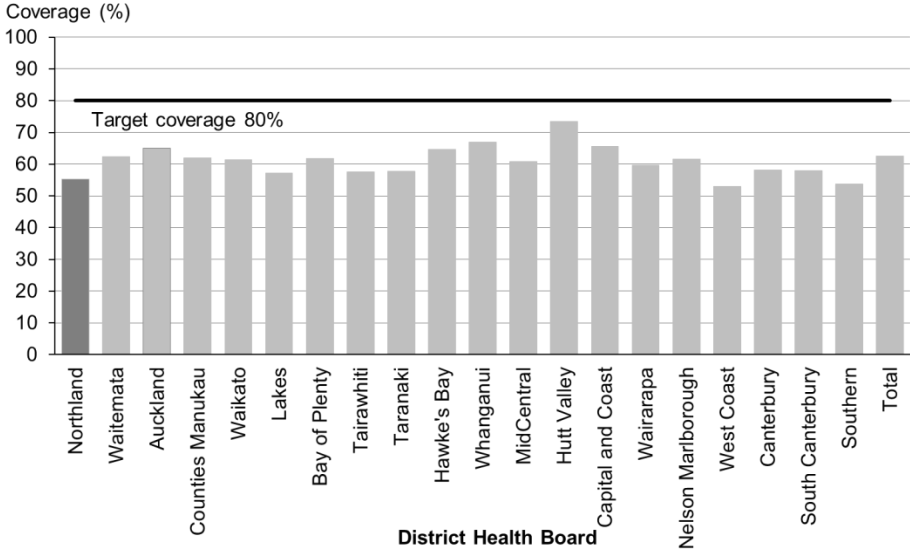


Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 31 March 2015 by District Health Board

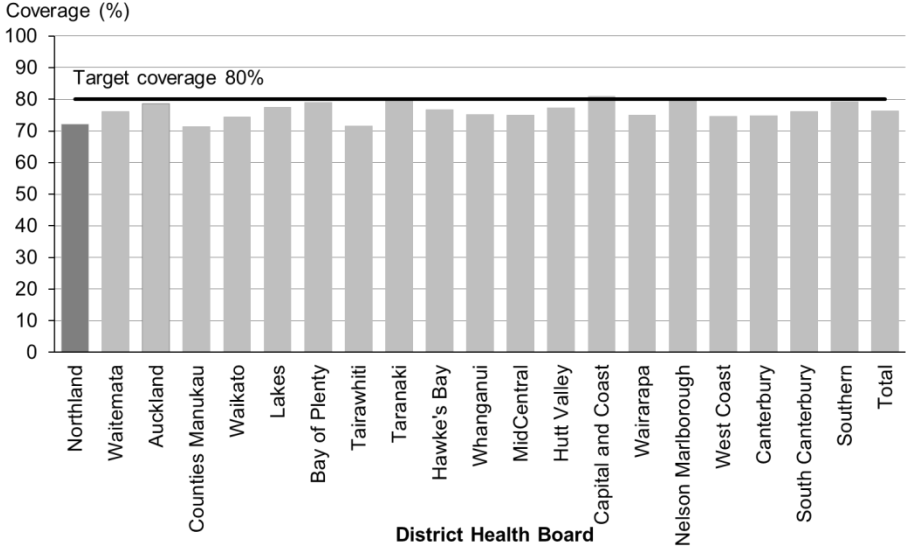


Table 2: NCSP number of screens and coverage (%) in women aged 25–69 years in the three years ending 31 March 2015 by District Health Board

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	12,412	665	1,626	26,586	41,289	7,838	348	898	20,729	29,813	63.1%	52.4%	55.2%	78.0%	72.2%
Waitemata	12,265	9,045	33,311	96,102	150,722	6,797	6,441	20,776	80,633	114,647	55.4%	71.2%	62.4%	83.9%	76.1%
Auckland	9,407	12,213	40,365	68,350	130,335	5,294	9,785	26,276	61,171	102,526	56.3%	80.1%	65.1%	89.5%	78.7%
Counties Manukau	17,777	24,314	34,394	53,678	130,164	10,940	17,854	21,308	42,818	92,920	61.5%	73.4%	62.0%	79.8%	71.4%
Waikato	18,747	2,328	8,525	66,362	95,961	11,296	1,512	5,232	53,416	71,456	60.3%	65.0%	61.4%	80.5%	74.5%
MidCentral	8,059	529	1,910	15,652	26,150	5,600	368	1,094	13,198	20,260	69.5%	69.6%	57.3%	84.3%	77.5%
Bay of Plenty	12,044	767	3,361	38,907	55,079	7,593	473	2,074	33,343	43,483	63.0%	61.7%	61.7%	85.7%	78.9%
Tairāwhiti	5,286	245	339	5,780	11,651	3,491	145	195	4,504	8,335	66.0%	59.2%	57.5%	77.9%	71.5%
Taranaki	4,345	271	1,311	23,600	29,527	2,837	166	757	19,763	23,523	65.3%	61.2%	57.8%	83.7%	79.7%
Hawke's Bay	8,761	1,137	1,738	28,250	39,886	6,532	826	1,123	22,093	30,574	74.6%	72.6%	64.6%	78.2%	76.7%
Whanganui	3,483	306	458	10,861	15,108	2,354	181	306	8,528	11,369	67.6%	59.1%	66.9%	78.5%	75.3%
MidCentral	6,820	961	3,045	31,052	41,877	4,567	680	1,854	24,260	31,361	67.0%	70.8%	60.9%	78.1%	74.9%
Hutt Valley	5,368	2,581	4,314	25,384	37,647	3,692	1,833	3,167	20,367	29,059	68.8%	71.0%	73.4%	80.2%	77.2%
Capital and Coast	7,585	5,063	11,161	55,539	79,347	4,824	3,353	7,323	48,709	64,209	63.6%	66.2%	65.6%	87.7%	80.9%
Wairarapa	1,532	165	320	8,870	10,887	1,072	127	191	6,765	8,155	70.0%	77.2%	59.7%	76.3%	74.9%
Nelson Marlborough	3,131	443	1,631	32,530	37,735	2,120	298	1,005	26,846	30,269	67.7%	67.2%	61.6%	82.5%	80.2%
West Coast	848	75	330	7,369	8,621	525	52	175	5,684	6,436	61.9%	69.6%	53.1%	77.1%	74.7%
Canterbury	9,139	2,586	12,772	108,923	133,420	4,982	1,851	7,428	85,620	99,881	54.5%	71.6%	58.2%	78.6%	74.9%
South Canterbury	955	100	537	13,065	14,658	464	88	311	10,282	11,145	48.6%	87.7%	57.9%	78.7%	76.0%
Southern	6,110	1,080	4,249	65,962	77,400	3,628	843	2,287	54,533	61,291	59.4%	78.1%	53.8%	82.7%	79.2%
Unspecified						7	1	7	27	42					
Total	154,073	64,873	165,695	782,823	1,167,464	96,446	47,224	103,780	643,262	890,712	62.6%	72.8%	62.6%	82.2%	76.3%

DHB coverage comparison trends by ethnicity

Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 31 March 2013, 2014 and 2015, by ethnicity and District Health Board

District Health Board	Māori			Pacific			Asian			European/Other		
	Mar-13	Mar-14	Mar-15	Mar-13	Mar-14	Mar-15	Mar-13	Mar-14	Mar-15	Mar-13	Mar-14	Mar-15
Northland	64.8%	64.1%	63.1%	50.1%	51.1%	52.4%	56.1%	55.1%	55.2%	78.4%	78.4%	78.0%
Waitemata	53.0%	54.7%	55.4%	67.4%	68.9%	71.2%	59.1%	60.3%	62.4%	84.1%	84.4%	83.9%
Auckland	58.2%	57.2%	56.3%	83.1%	81.4%	80.1%	69.5%	66.2%	65.1%	91.2%	90.3%	89.5%
Counties Manukau	63.6%	62.2%	61.5%	71.1%	72.1%	73.4%	59.5%	60.5%	62.0%	81.7%	81.4%	79.8%
Waikato	59.9%	59.2%	60.3%	64.8%	63.4%	65.0%	58.4%	59.2%	61.4%	81.9%	80.8%	80.5%
Lakes	69.4%	69.7%	69.5%	62.8%	67.5%	69.6%	61.4%	58.9%	57.3%	86.4%	85.6%	84.3%
Bay of Plenty	62.4%	62.4%	63.0%	69.2%	62.7%	61.7%	66.3%	60.5%	61.7%	85.8%	85.6%	85.7%
Tairāwhiti	72.5%	69.1%	66.0%	55.0%	58.4%	59.2%	62.0%	58.0%	57.5%	86.0%	83.8%	77.9%
Taranaki	65.6%	64.7%	65.3%	67.7%	59.4%	61.2%	57.3%	56.1%	57.8%	86.0%	85.3%	83.7%
Hawke's Bay	73.8%	73.7%	74.6%	77.3%	77.2%	72.6%	66.9%	64.5%	64.6%	82.3%	81.3%	78.2%
Whanganui	66.7%	65.7%	67.6%	64.6%	60.3%	59.1%	71.8%	68.4%	66.9%	79.0%	79.1%	78.5%
MidCentral	64.7%	65.5%	67.0%	67.2%	70.6%	70.8%	60.9%	59.8%	60.9%	77.9%	78.2%	78.1%
Hutt Valley	66.6%	66.4%	68.8%	72.6%	69.2%	71.0%	74.2%	71.6%	73.4%	82.1%	81.1%	80.2%
Capital and Coast	64.1%	63.6%	63.6%	66.9%	66.5%	66.2%	68.3%	66.5%	65.6%	91.0%	89.7%	87.7%
Wairarapa	69.3%	69.0%	70.0%	77.9%	72.0%	77.2%	57.0%	55.7%	59.7%	79.0%	77.6%	76.3%
Nelson Marlborough	59.3%	65.2%	67.7%	66.8%	66.4%	67.2%	59.8%	59.1%	61.6%	81.6%	82.1%	82.5%
West Coast	57.0%	60.4%	61.9%	73.1%	67.9%	69.6%	54.3%	53.5%	53.1%	77.4%	78.3%	77.1%
Canterbury	52.1%	54.1%	54.5%	69.2%	69.3%	71.6%	57.3%	56.9%	58.2%	80.3%	80.5%	78.6%
South Canterbury	40.9%	42.5%	48.6%	67.1%	75.7%	87.7%	52.2%	53.6%	57.9%	75.5%	76.1%	78.7%
Southern	57.4%	58.4%	59.4%	71.9%	73.8%	78.1%	53.7%	53.5%	53.8%	82.9%	83.3%	82.7%
Total	62.4%	62.3%	62.6%	72.0%	72.0%	72.8%	62.7%	61.9%	62.6%	83.4%	83.1%	82.2%

Key  ≥ 80%  70–79.9%  < 70%