



NCSP Northland District Health Board Coverage Report

For the period ending 30 June 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 30 June 2013, 2014 and 2015 were extracted from the National Cervical Screening Register (the Register) on 6 September 2013 for June 2013, on 6 August 2014 for June 2014 and 21 October 2015 for June 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 30 June 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 30 June 2015

Figure 1: NCSP coverage (%) in the three years ending 30 June 2015 by ethnicity, women aged 25–69 years, Northland District Health Board

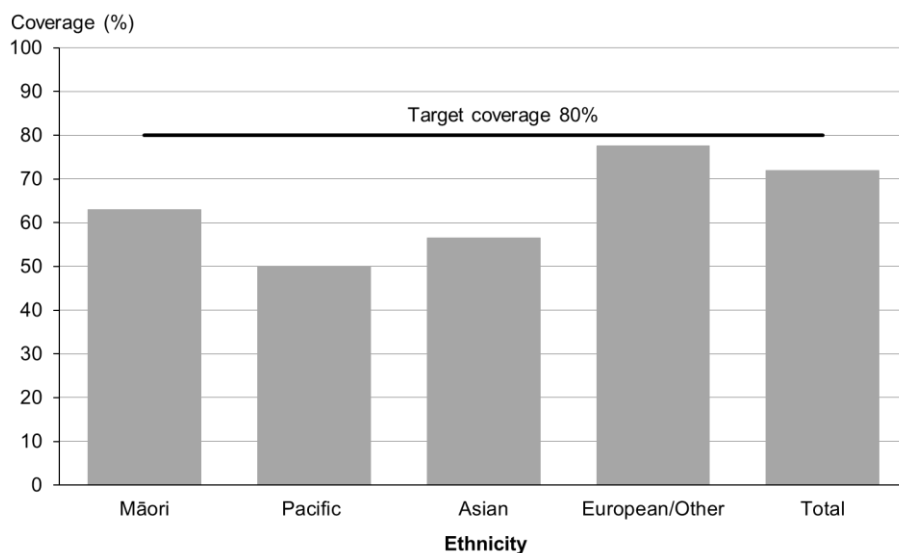


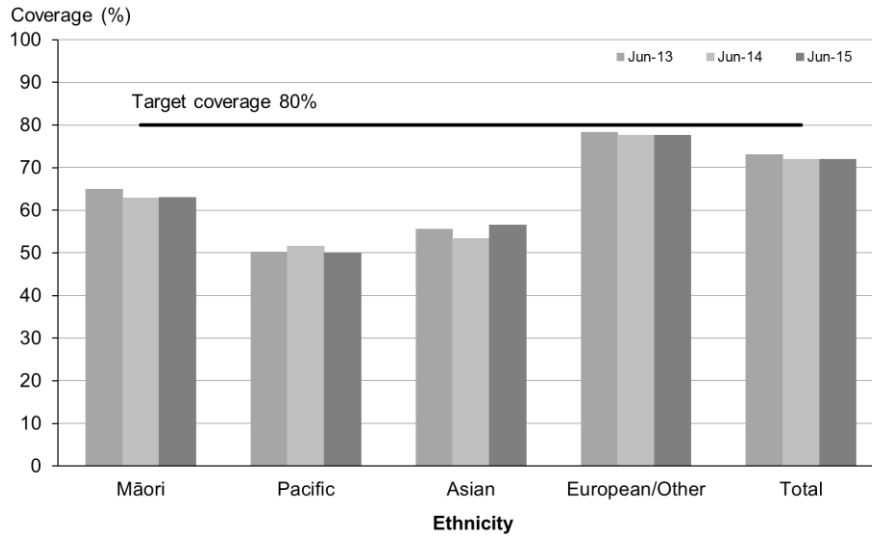
Table 1: NCSP coverage (%) in the three years ending 30 June 2015 by ethnicity, women aged 25–69 years, Northland District Health Board

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach 80% target*
Māori	12,475	7,861	63.0%	2,119
Pacific	674	337	50.0%	202
Asian	1,645	930	56.5%	650
European/Other	26,606	20,634	77.6%	650
Total	41,399	29,762	71.9%	3,358

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



DHB coverage comparisons

DHB coverage by ethnicity in the three years ending 30 June 2015

Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 30 June 2015 by District Health Board

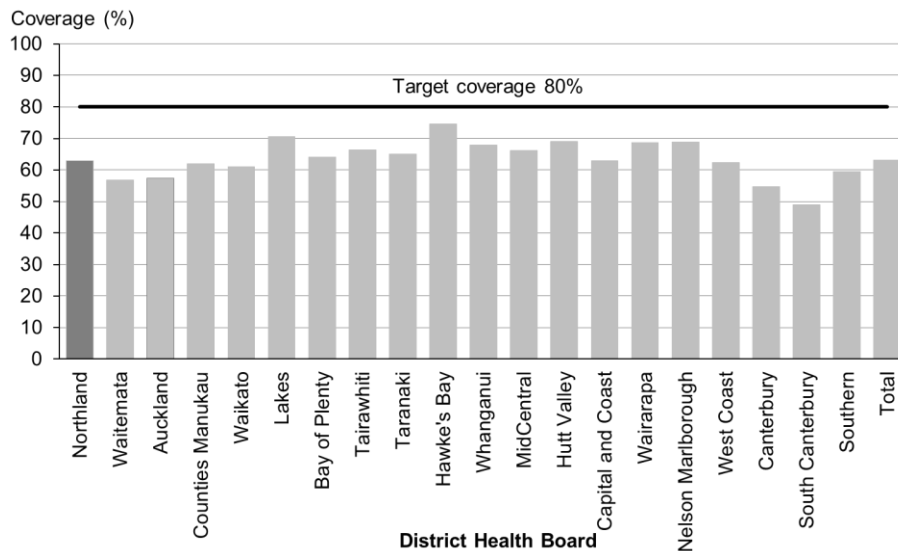


Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 30 June 2015 by District Health Board

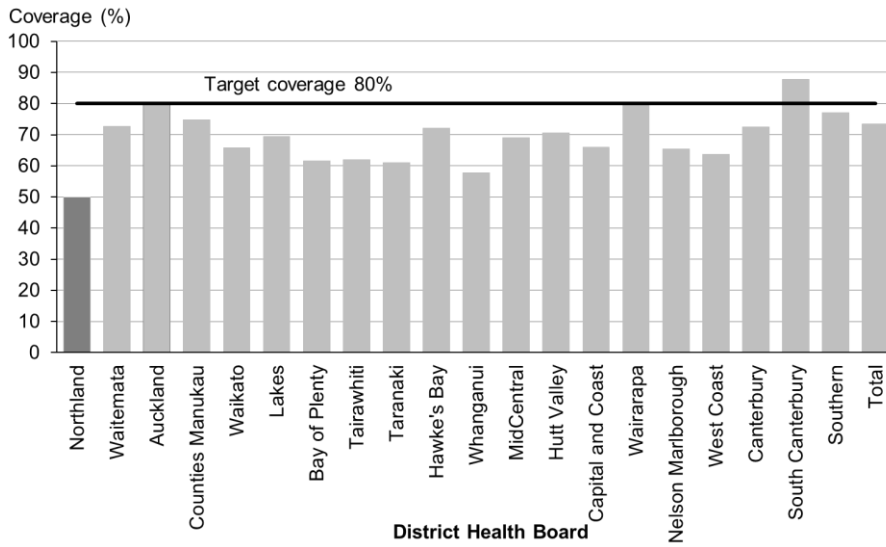


Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 June 2015 by District Health Board

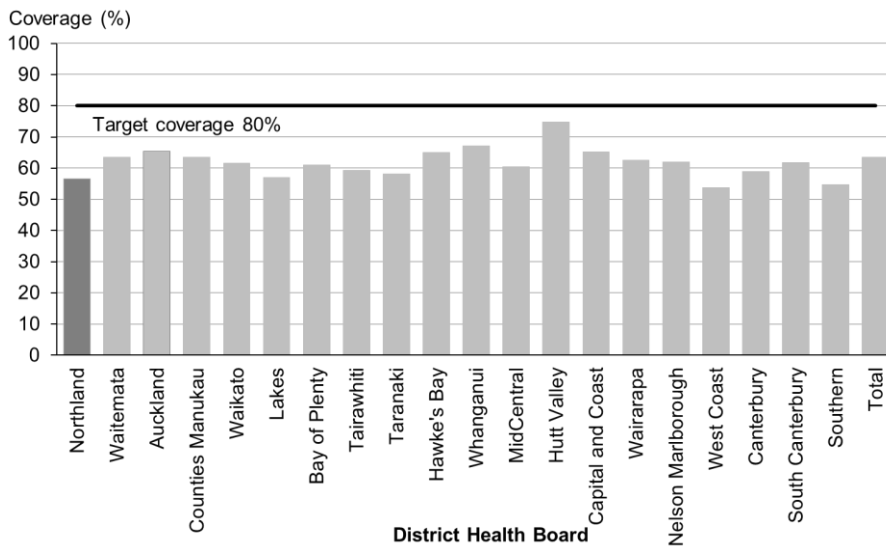


Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2015 by District Health Board

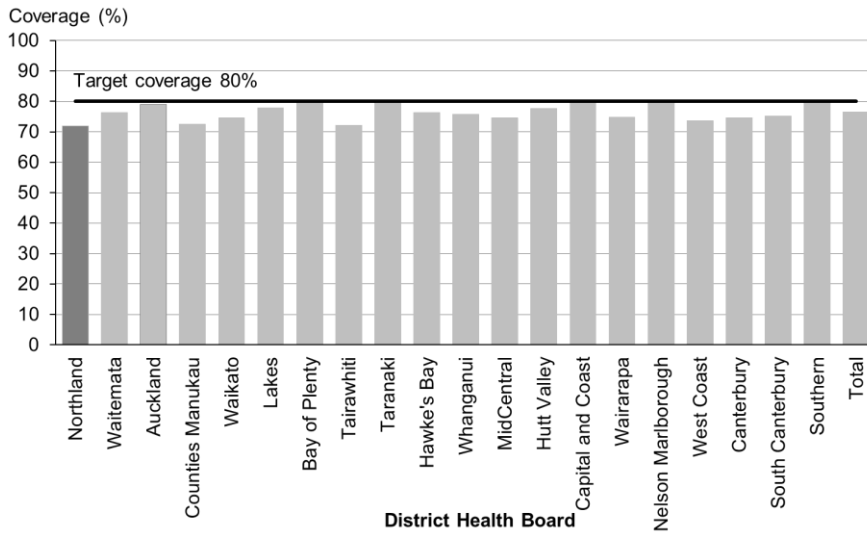


Table 2: NCSP number of screens and coverage (%) in women aged 25–69 years in the three years ending 30 June 2015 by District Health Board

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	12,475	674	1,645	26,606	41,399	7,861	337	930	20,634	29,762	63.0%	50.0%	56.5%	77.6%	71.9%
Waitemata	12,336	9,096	33,771	96,430	151,633	7,002	6,616	21,453	80,753	115,824	56.8%	72.7%	63.5%	83.7%	76.4%
Auckland	9,456	12,227	40,801	68,590	131,073	5,432	9,855	26,702	61,647	103,636	57.4%	80.6%	65.4%	89.9%	79.1%
Counties Manukau	17,859	24,484	34,843	53,806	130,992	11,074	18,292	22,159	43,392	94,917	62.0%	74.7%	63.6%	80.6%	72.5%
Waikato	18,855	2,351	8,616	66,543	96,365	11,493	1,549	5,307	53,621	71,970	61.0%	65.9%	61.6%	80.6%	74.7%
Lakes	8,074	531	1,938	15,643	26,187	5,692	369	1,105	13,211	20,377	70.5%	69.5%	57.0%	84.5%	77.8%
Bay of Plenty	12,079	780	3,418	39,000	55,276	7,742	480	2,088	33,628	43,938	64.1%	61.5%	61.1%	86.2%	79.5%
Tairāwhiti	5,294	248	343	5,798	11,683	3,518	154	203	4,539	8,414	66.5%	62.0%	59.3%	78.3%	72.0%
Taranaki	4,373	273	1,335	23,715	29,697	2,846	167	775	19,817	23,605	65.1%	61.1%	58.1%	83.6%	79.5%
Hawke's Bay	8,788	1,151	1,760	28,269	39,967	6,552	829	1,144	22,013	30,538	74.6%	72.1%	65.0%	77.9%	76.4%
Whanganui	3,481	309	461	10,864	15,116	2,364	179	310	8,597	11,450	67.9%	57.9%	67.2%	79.1%	75.7%
MidCentral	6,835	969	3,072	31,076	41,952	4,527	669	1,858	24,246	31,300	66.2%	69.1%	60.5%	78.0%	74.6%
Hutt Valley	5,383	2,589	4,343	25,426	37,740	3,722	1,828	3,244	20,504	29,298	69.1%	70.6%	74.7%	80.6%	77.6%
Capital and Coast	7,619	5,062	11,255	55,579	79,515	4,795	3,340	7,337	48,511	63,983	62.9%	66.0%	65.2%	87.3%	80.5%
Wairarapa	1,545	165	323	8,897	10,930	1,060	132	202	6,785	8,179	68.6%	79.8%	62.6%	76.3%	74.8%
Nelson Marlborough	3,148	448	1,651	32,570	37,816	2,165	293	1,023	27,003	30,484	68.8%	65.4%	62.0%	82.9%	80.6%
West Coast	854	72	333	7,386	8,645	533	46	179	5,600	6,358	62.4%	63.6%	53.8%	75.8%	73.5%
Canterbury	9,204	2,606	12,938	109,421	134,169	5,029	1,891	7,624	85,453	99,997	54.6%	72.6%	58.9%	78.1%	74.5%
South Canterbury	954	100	546	13,099	14,699	466	88	337	10,170	11,061	48.9%	87.7%	61.7%	77.6%	75.3%
Southern	6,145	1,093	4,303	65,993	77,535	3,661	843	2,352	54,827	61,683	59.6%	77.1%	54.7%	83.1%	79.6%
Unspecified						10	1	6	12	29					
Total	154,757	65,228	167,694	784,710	1,172,389	97,544	47,958	106,338	644,963	896,803	63.0%	73.5%	63.4%	82.2%	76.5%

DHB coverage comparison trends by ethnicity

Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2013, 2014 and 2015, by ethnicity and District Health Board

District Health Board	Māori			Pacific			Asian			European/Other		
	Jun-13	Jun-14	Jun-15	Jun-13	Jun-14	Jun-15	Jun-13	Jun-14	Jun-15	Jun-13	Jun-14	Jun-15
Northland	64.9%	62.9%	63.0%	50.2%	51.6%	50.0%	55.5%	53.4%	56.5%	78.2%	77.7%	77.6%
Waitemata	53.1%	54.6%	56.8%	68.0%	69.4%	72.7%	59.7%	60.4%	63.5%	84.0%	84.3%	83.7%
Auckland	58.6%	56.3%	57.4%	83.3%	79.9%	80.6%	69.6%	64.8%	65.4%	91.7%	89.5%	89.9%
Counties Manukau	63.6%	61.8%	62.0%	70.9%	72.4%	74.7%	59.8%	60.6%	63.6%	81.9%	80.4%	80.6%
Waikato	59.8%	59.4%	61.0%	65.9%	62.9%	65.9%	59.3%	59.8%	61.6%	81.9%	80.7%	80.6%
Lakes	69.9%	69.8%	70.5%	61.1%	67.7%	69.5%	60.6%	58.2%	57.0%	86.1%	85.3%	84.5%
Bay of Plenty	62.9%	61.7%	64.1%	67.7%	62.6%	61.5%	65.3%	60.4%	61.1%	86.2%	85.7%	86.2%
Tairāwhiti	72.3%	67.2%	66.5%	55.7%	61.0%	62.0%	62.4%	56.6%	59.3%	86.2%	82.0%	78.3%
Taranaki	64.9%	65.2%	65.1%	63.7%	60.7%	61.1%	57.5%	57.0%	58.1%	85.4%	84.5%	83.6%
Hawke's Bay	73.8%	74.1%	74.6%	77.8%	76.1%	72.1%	66.5%	64.4%	65.0%	82.1%	80.6%	77.9%
Whanganui	66.6%	65.7%	67.9%	63.1%	59.5%	57.9%	69.8%	66.6%	67.2%	79.3%	78.6%	79.1%
MidCentral	65.2%	64.8%	66.2%	68.5%	70.2%	69.1%	60.9%	59.1%	60.5%	78.0%	77.5%	78.0%
Hutt Valley	66.8%	67.6%	69.1%	71.1%	68.6%	70.6%	73.6%	71.8%	74.7%	82.1%	81.0%	80.6%
Capital and Coast	64.1%	63.8%	62.9%	67.0%	66.3%	66.0%	68.0%	66.4%	65.2%	90.6%	89.2%	87.3%
Wairarapa	70.0%	68.8%	68.6%	78.3%	71.5%	79.8%	54.6%	56.3%	62.6%	78.6%	77.1%	76.3%
Nelson Marlborough	59.5%	65.1%	68.8%	68.1%	66.5%	65.4%	58.5%	59.0%	62.0%	81.7%	81.5%	82.9%
West Coast	58.6%	61.7%	62.4%	74.4%	64.8%	63.6%	53.3%	52.8%	53.8%	77.6%	78.6%	75.8%
Canterbury	52.3%	53.3%	54.6%	69.6%	70.7%	72.6%	57.6%	57.0%	58.9%	80.1%	79.7%	78.1%
South Canterbury	40.7%	43.7%	48.9%	65.5%	78.6%	87.7%	52.4%	51.9%	61.7%	75.5%	77.2%	77.6%
Southern	57.4%	58.2%	59.6%	72.6%	75.5%	77.1%	54.3%	53.6%	54.7%	82.8%	82.8%	83.1%
Total	62.5%	62.0%	63.0%	72.1%	71.9%	73.5%	62.9%	61.6%	63.4%	83.4%	82.7%	82.2%

Key  ≥ 80%  70–79.9%  < 70%