



NCSP Northland District Health Board Coverage Report

For the period ending 30 June 2014

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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 2012, 2013 and 2014 were extracted from the National Cervical Screening Register (the Register) on 13 September 2012, 6 September 2013 and 6 August 2014 respectively.

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 denominator for calculating coverage is Statistics New Zealand's 2011 update of district health board (DHB) population projections (2006 Census base) adjusted for the prevalence of hysterectomy.

For some ethnicities coverage greater than 100% is reported for some DHBs. The 2011 Census was delayed to 2013 due to the Christchurch earthquakes. As a result, the DHB population projections are currently still based on the 2006 Census. Projections become less reliable the further they are from a Census with smaller populations and faster changing populations more impacted.

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 2014

Figure 1: NCSP coverage (%) in the three years ending 30 June 2014 by ethnicity, women aged 25–69 years, Northland District Health Board

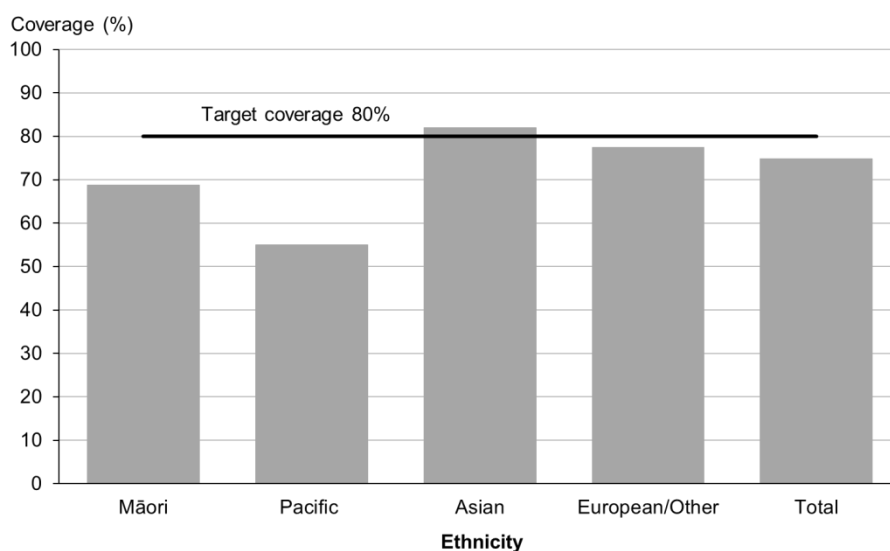
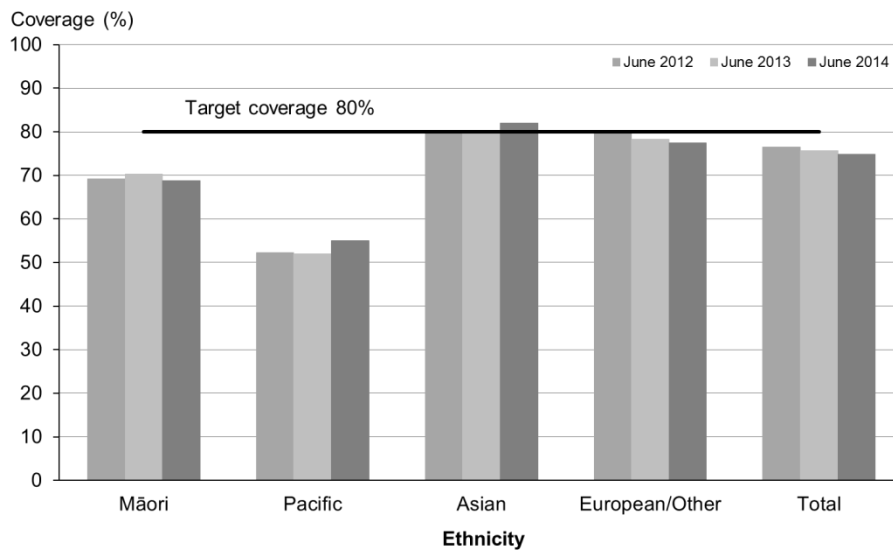


Table 1: NCSP coverage (%) in the three years ending 30 June 2014 by ethnicity, women aged 25–69 years, Northland District Health Board

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach 80% target
Māori	11,167	7,685	68.8%	1,248
Pacific	598	329	55.0%	149
Asian	1,020	837	82.1%	
European/Other	26,595	20,599	77.5%	677

Northland DHB coverage trends by ethnicity

Figure 2: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2012, 2013, and 2014 by ethnicity, Northland District Health Board



DHB coverage comparisons

DHB coverage by ethnicity in the three years ending 30 June 2014

Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 30 June 2014 by district health board

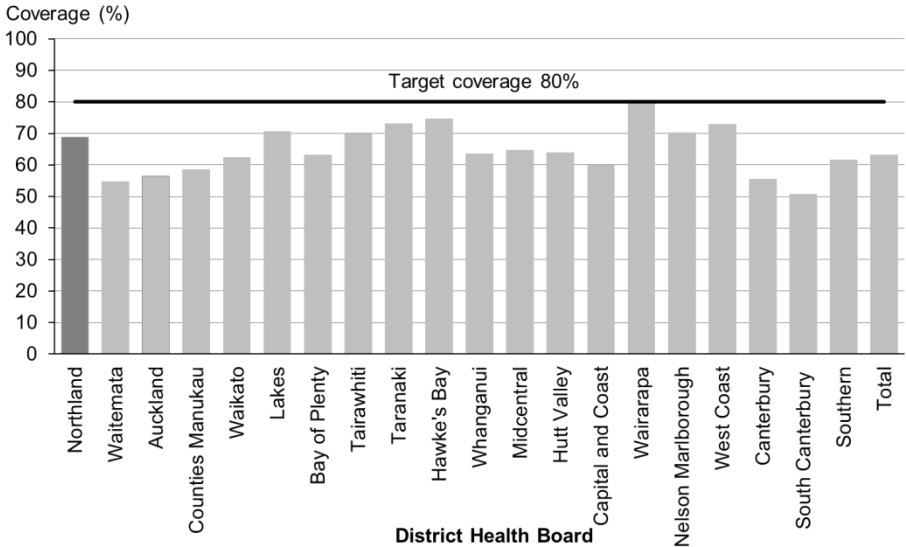


Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 30 June 2014 by district health board

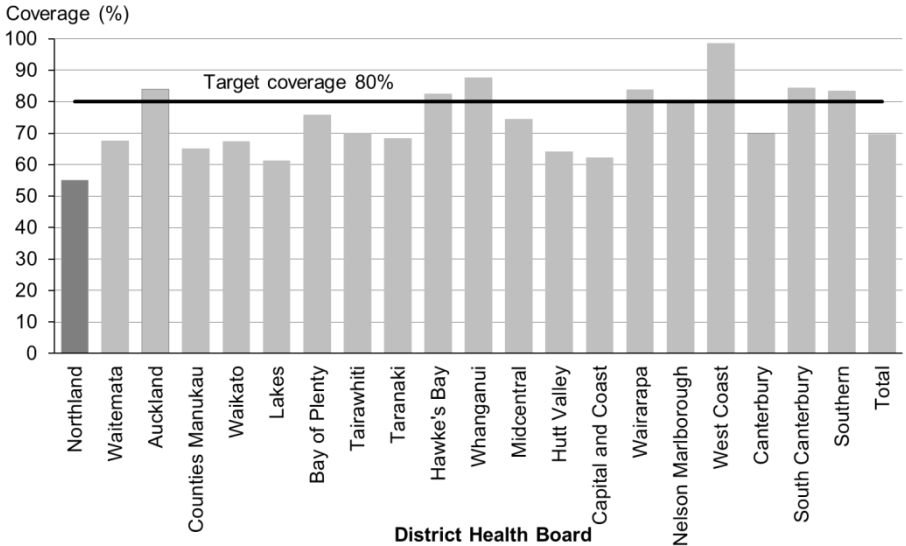


Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 June 2014 by district health board

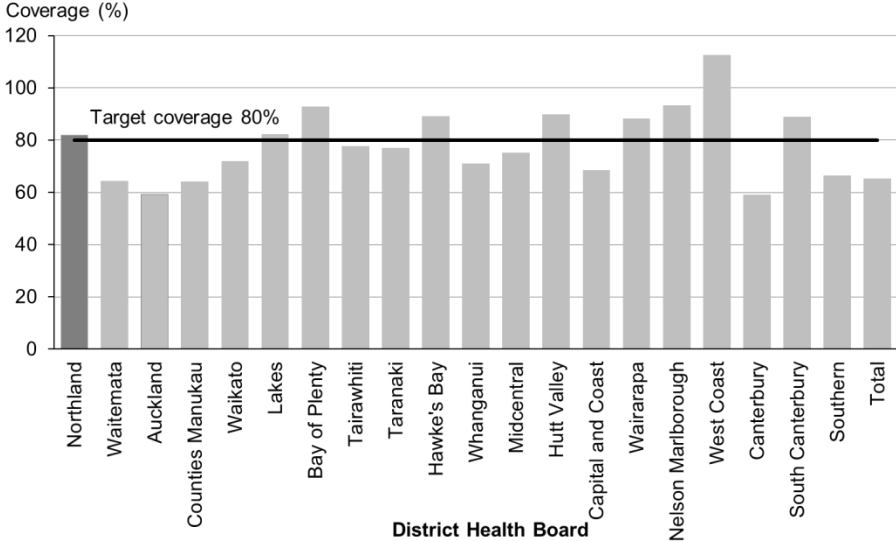


Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2014 by district health board

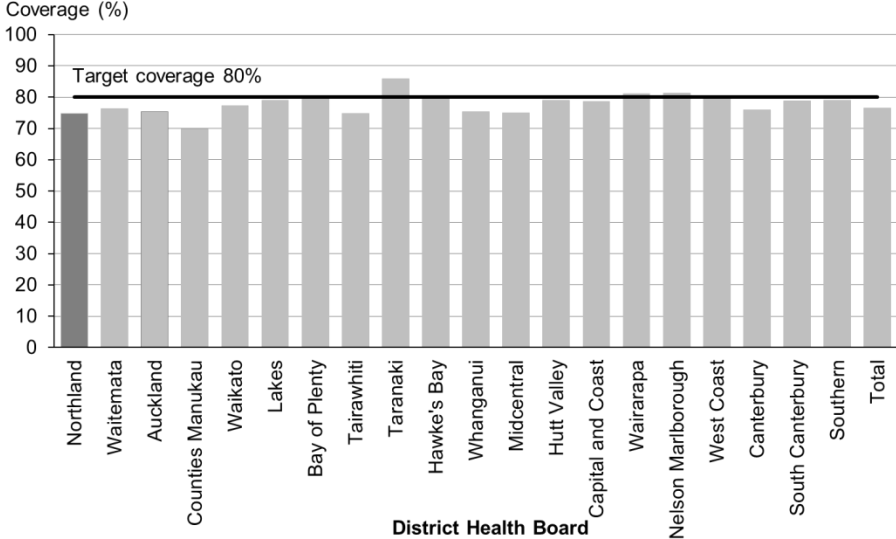


Table 2: NCSP number of screens and coverage (%) in women aged 25–69 years in the three years ending 30 June 2014 by district health board

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	11,167	598	1,020	26,595	39,380	7,685	329	837	20,599	29,450	68.8%	55.0%	82.1%	77.5%	74.8%
Waitemata	12,028	9,132	30,070	95,716	146,946	6,583	6,173	19,299	80,137	112,192	54.7%	67.6%	64.2%	83.7%	76.3%
Auckland	9,231	11,573	42,727	70,362	133,894	5,214	9,724	25,329	60,520	100,787	56.5%	84.0%	59.3%	86.0%	75.3%
Counties Manukau	18,518	26,465	31,264	54,127	130,373	10,830	17,229	20,033	42,849	90,941	58.5%	65.1%	64.1%	79.2%	69.8%
Waikato	17,564	2,112	6,880	64,575	91,132	10,948	1,422	4,936	53,119	70,425	62.3%	67.3%	71.7%	82.3%	77.3%
Lakes	7,931	577	1,292	15,979	25,779	5,593	353	1,063	13,374	20,383	70.5%	61.2%	82.3%	83.7%	79.1%
Bay of Plenty	11,668	600	2,079	39,679	54,025	7,360	455	1,929	33,103	42,847	63.1%	75.8%	92.8%	83.4%	79.3%
Tairāwhiti	5,062	204	240	5,930	11,436	3,536	143	186	4,698	8,563	69.9%	70.1%	77.6%	79.2%	74.9%
Taranaki	3,796	236	917	22,156	27,105	2,775	161	706	19,647	23,289	73.1%	68.2%	77.0%	88.7%	85.9%
Hawke's Bay	8,635	1,011	1,210	27,845	38,701	6,435	834	1,077	22,725	31,071	74.5%	82.5%	89.0%	81.6%	80.3%
Whanganui	3,609	202	419	10,774	15,004	2,292	177	297	8,533	11,299	63.5%	87.7%	70.9%	79.2%	75.3%
Midcentral	6,789	883	2,333	31,094	41,098	4,388	657	1,751	24,024	30,820	64.6%	74.4%	75.1%	77.3%	75.0%
Hutt Valley	5,637	2,738	3,377	24,768	36,520	3,596	1,755	3,034	20,460	28,845	63.8%	64.1%	89.8%	82.6%	79.0%
Capital and Coast	7,968	5,395	10,565	58,507	82,435	4,776	3,358	7,227	49,455	64,816	59.9%	62.2%	68.4%	84.5%	78.6%
Wairarapa	1,280	138	198	8,355	9,972	1,027	116	175	6,778	8,096	80.2%	83.8%	88.2%	81.1%	81.2%
Nelson Marlborough	2,856	356	993	32,285	36,491	2,007	286	926	26,422	29,641	70.3%	80.3%	93.2%	81.8%	81.2%
West Coast	703	54	150	7,270	8,177	512	53	169	5,755	6,489	72.8%	98.5%	112.4%	79.2%	79.4%
Canterbury	8,585	2,557	11,857	107,495	130,494	4,770	1,785	6,993	85,582	99,130	55.6%	69.8%	59.0%	79.6%	76.0%
South Canterbury	829	94	298	12,467	13,687	420	79	265	10,013	10,777	50.7%	84.4%	88.9%	80.3%	78.7%
Southern	5,677	942	3,308	67,329	77,255	3,495	785	2,191	54,544	61,015	61.6%	83.3%	66.2%	81.0%	79.0%
Total	149,531	65,867	151,196	783,308	1,149,901	94,248	45,875	98,427	642,397	880,876	63.0%	69.6%	65.1%	82.0%	76.6%

DHB coverage comparison trends by ethnicity

Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2012, 2013 and 2014, by ethnicity and district health board

District Health Board	Māori			Pacific			Asian			European/Other		
	June 2012	June 2013	June 2014	June 2012	June 2013	June 2014	June 2012	June 2013	June 2014	June 2012	June 2013	June 2014
Northland	69.1%	70.4%	68.8%	52.2%	52.0%	55.0%	80.1%	79.8%	82.1%	79.8%	78.3%	77.5%
Waitemata	52.6%	52.8%	54.7%	65.7%	65.8%	67.6%	58.9%	60.3%	64.2%	84.4%	83.9%	83.7%
Auckland	56.8%	57.4%	56.5%	84.1%	87.2%	84.0%	61.0%	61.6%	59.3%	87.2%	87.9%	86.0%
Counties Manukau	60.5%	59.9%	58.5%	63.7%	63.3%	65.1%	59.9%	60.4%	64.1%	80.9%	80.4%	79.2%
Waikato	62.1%	62.2%	62.3%	68.3%	68.3%	67.3%	65.2%	68.5%	71.7%	82.6%	82.6%	82.3%
Lakes	69.9%	70.9%	70.5%	59.5%	57.2%	61.2%	77.8%	79.1%	82.3%	86.9%	85.1%	83.7%
Bay of Plenty	62.6%	64.3%	63.1%	79.8%	82.2%	75.8%	88.1%	92.1%	92.8%	84.6%	84.2%	83.4%
Tairāwhiti	74.6%	74.5%	69.9%	55.7%	60.9%	70.1%	80.4%	81.4%	77.6%	85.0%	83.1%	79.2%
Taranaki	72.0%	72.0%	73.1%	79.1%	71.8%	68.2%	68.5%	72.2%	77.0%	87.6%	88.0%	88.7%
Hawke's Bay	71.7%	74.0%	74.5%	80.0%	82.6%	82.5%	83.6%	87.2%	89.0%	82.9%	83.2%	81.6%
Whanganui	65.5%	65.1%	63.5%	95.6%	93.5%	87.7%	76.4%	75.7%	70.9%	81.1%	79.8%	79.2%
Hutt Valley	63.6%	63.5%	63.8%	71.3%	67.2%	64.1%	88.2%	88.8%	89.8%	83.3%	83.1%	82.6%
Mid Central	63.6%	64.9%	64.6%	68.5%	70.4%	74.4%	71.2%	74.3%	75.1%	78.7%	77.9%	77.3%
Capital and Coast	59.7%	59.3%	59.9%	65.4%	63.4%	62.2%	67.9%	67.6%	68.4%	88.1%	86.6%	84.5%
Wairarapa	76.5%	80.2%	80.2%	84.8%	83.1%	83.8%	84.9%	81.5%	88.2%	83.2%	81.7%	81.1%
Nelson Marlborough	61.5%	63.7%	70.3%	74.1%	78.8%	80.3%	81.4%	85.3%	93.2%	82.7%	82.2%	81.8%
West Coast	59.3%	69.4%	72.8%	100.2%	100.7%	98.5%	83.6%	100.8%	112.4%	75.6%	78.1%	79.2%
Canterbury	51.3%	53.4%	55.6%	67.0%	66.6%	69.8%	57.2%	57.1%	59.0%	79.3%	78.6%	79.6%
South Canterbury	46.5%	45.9%	50.7%	79.5%	72.6%	84.4%	78.5%	82.2%	88.9%	77.6%	77.9%	80.3%
Southern	57.4%	59.4%	61.6%	76.8%	79.1%	83.3%	62.8%	63.2%	66.2%	80.9%	80.9%	81.0%
Total	62.4%	63.1%	63.0%	69.2%	69.3%	69.6%	62.7%	63.6%	65.1%	82.9%	82.5%	82.0%

Key  ≥ 80%  70–79.9%  < 70%