



# **NCSP Northland District Health Board Coverage Report**

For the period ending 30  
September 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 September 2013, 2014 and 2015 were extracted from the National Cervical Screening Register (the Register) on 19 November 2013 for September 2013, on 30 October 2014 for September 2014 and 21 October 2015 for September 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.

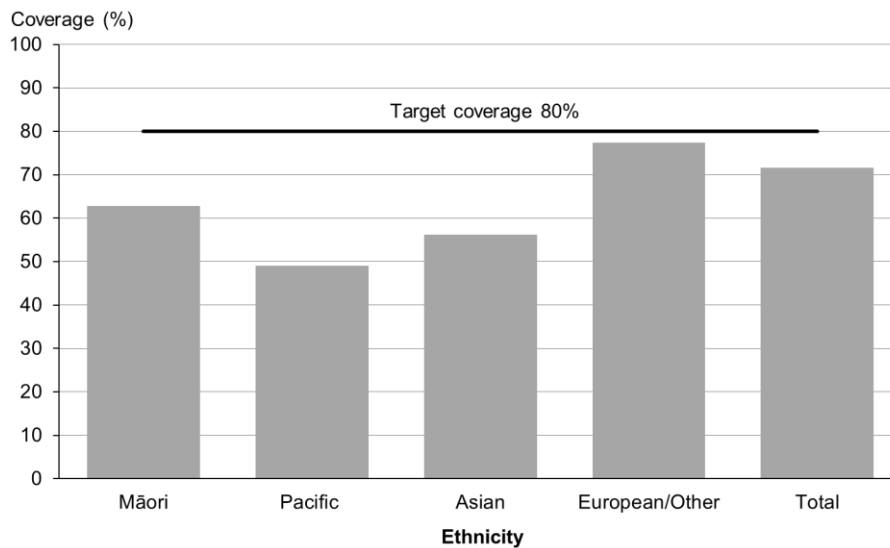
The denominators used for calculating coverage are derived from Statistics New Zealand's District Health Board (DHB) population projections 30 June 2014 update based on the 2013 Census. The population projections have been adjusted for the prevalence of hysterectomy.

Additional detail on the methodology can be obtained via a request made to [screening@moh.govt.nz](mailto:screening@moh.govt.nz).

# Northland DHB coverage

## Northland DHB coverage by ethnicity in the three years ending 30 September 2015

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



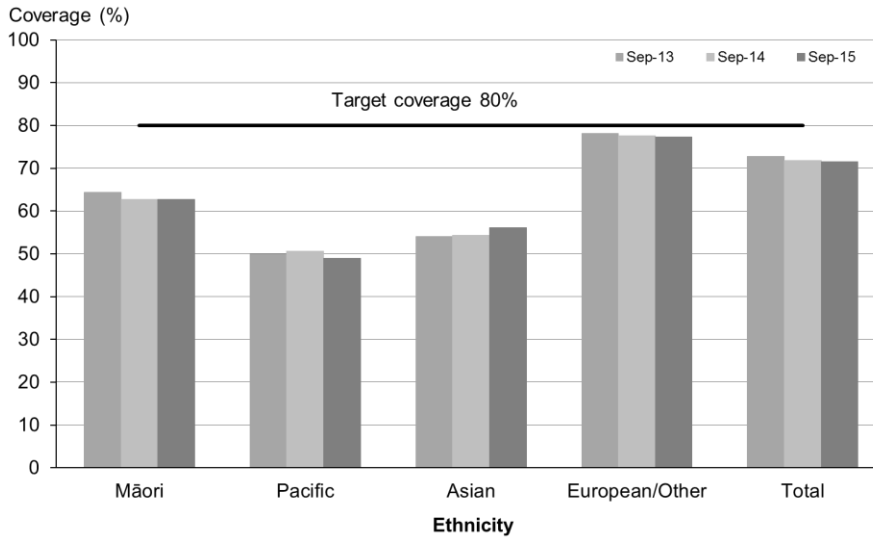
**Table 1: NCSP coverage (%) in the three years ending 30 September 2015 by ethnicity, women aged 25–69 years, Northland District Health Board**

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach 80% target*
Māori	12,519	7,848	62.7%	2,167
Pacific	678	332	49.0%	210
Asian	1,658	931	56.1%	396
European/Other	26,629	20,576	77.3%	727
<b>Total</b>	<b>41,484</b>	<b>29,687</b>	<b>71.6%</b>	<b>3,500</b>

\*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

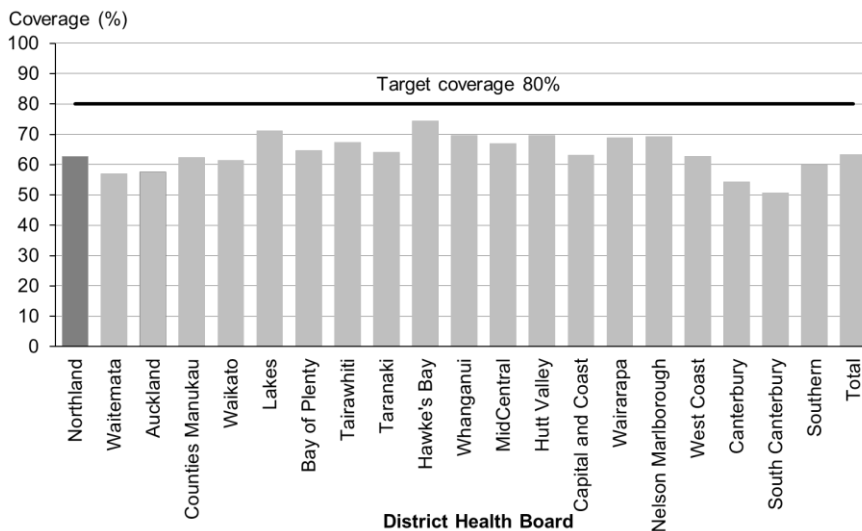
**Figure 2: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 September 2013, 2014, and 2015 by ethnicity, Northland District Health Board**



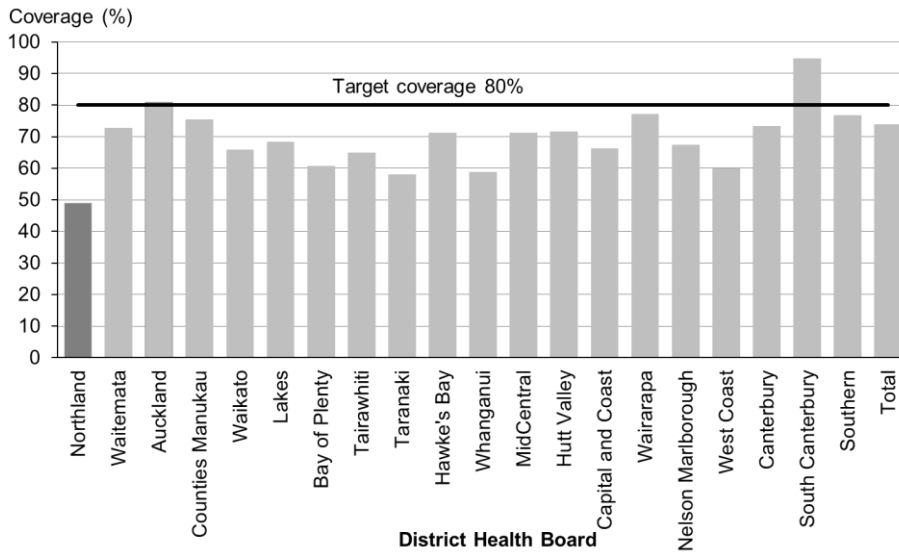
## DHB coverage comparisons

### DHB coverage by ethnicity in the three years ending 30 September 2015

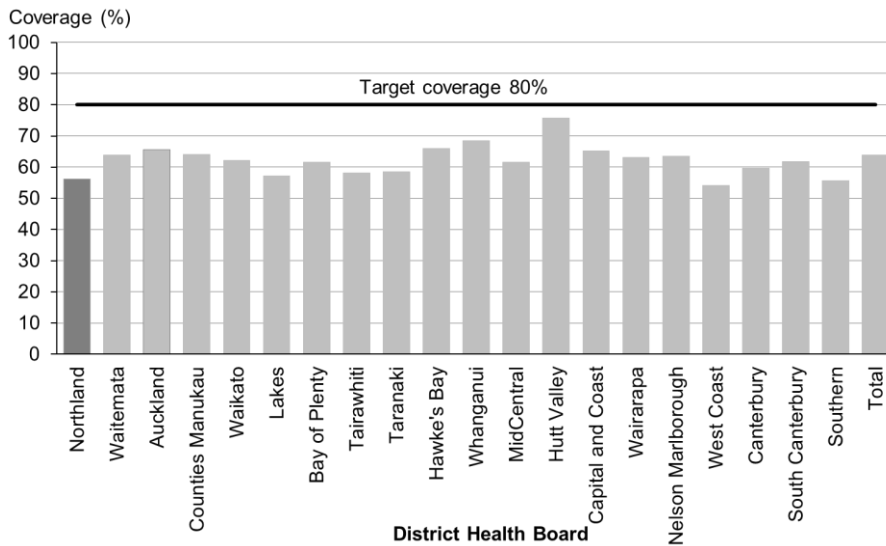
**Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 30 September 2015 by District Health Board**



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

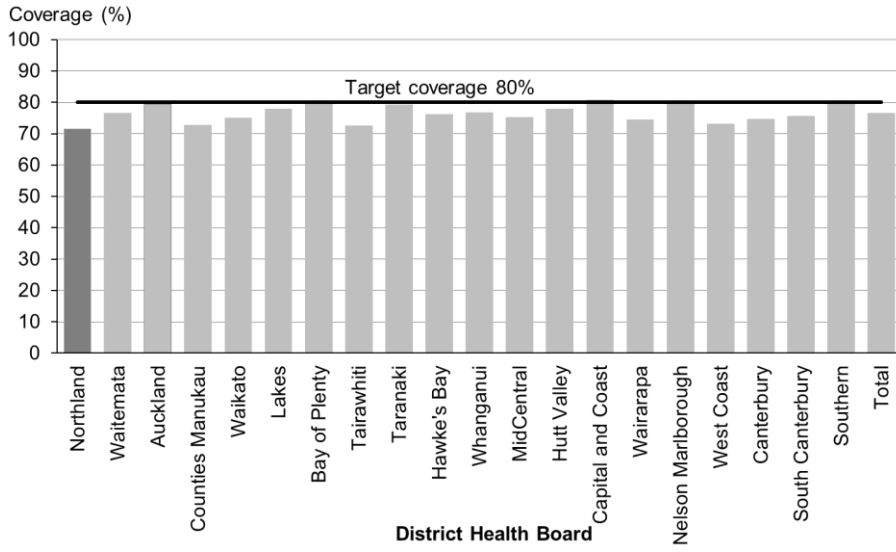


**Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 September 2015 by District Health Board**





**Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 September 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 September 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
<b>Northland</b>	<b>12,519</b>	<b>678</b>	<b>1,658</b>	<b>26,629</b>	<b>41,484</b>	<b>7,848</b>	<b>332</b>	<b>931</b>	<b>20,576</b>	<b>29,687</b>	<b>62.7%</b>	<b>49.0%</b>	<b>56.1%</b>	<b>77.3%</b>	<b>71.6%</b>
Waitemata	12,400	9,147	34,165	96,724	152,435	7,067	6,640	21,812	81,022	116,541	57.0%	72.6%	63.8%	83.8%	76.5%
Auckland	9,508	12,238	41,191	68,837	131,774	5,480	9,897	27,056	62,074	104,507	57.6%	80.9%	65.7%	90.2%	79.3%
Counties Manukau	17,916	24,670	35,232	53,859	131,678	11,182	18,588	22,577	43,279	95,626	62.4%	75.3%	64.1%	80.4%	72.6%
Waikato	18,935	2,364	8,693	66,714	96,706	11,637	1,553	5,411	53,955	72,556	61.5%	65.7%	62.2%	80.9%	75.0%
Lakes	8,084	537	1,963	15,635	26,219	5,755	367	1,124	13,190	20,436	71.2%	68.3%	57.3%	84.4%	77.9%
Bay of Plenty	12,112	789	3,466	39,079	55,446	7,826	479	2,136	33,656	44,097	64.6%	60.7%	61.6%	86.1%	79.5%
Tairāwhiti	5,301	249	345	5,811	11,706	3,566	162	201	4,568	8,497	67.3%	64.9%	58.2%	78.6%	72.6%
Taranaki	4,391	274	1,351	23,775	29,791	2,817	159	790	19,839	23,605	64.1%	58.0%	58.5%	83.4%	79.2%
Hawke's Bay	8,822	1,153	1,778	28,292	40,044	6,563	821	1,173	21,947	30,504	74.4%	71.2%	66.0%	77.6%	76.2%
Whanganui	3,486	314	464	10,863	15,127	2,430	184	318	8,673	11,605	69.7%	58.6%	68.5%	79.8%	76.7%
MidCentral	6,872	971	3,100	31,074	42,017	4,594	691	1,908	24,409	31,602	66.9%	71.1%	61.6%	78.6%	75.2%
Hutt Valley	5,398	2,595	4,364	25,452	37,809	3,753	1,856	3,309	20,542	29,460	69.5%	71.5%	75.8%	80.7%	77.9%
Capital and Coast	7,666	5,073	11,326	55,597	79,662	4,845	3,355	7,394	48,643	64,237	63.2%	66.1%	65.3%	87.5%	80.6%
Wairarapa	1,554	168	326	8,923	10,970	1,071	129	206	6,754	8,160	68.9%	77.0%	63.2%	75.7%	74.4%
Nelson Marlborough	3,160	450	1,673	32,588	37,871	2,185	303	1,061	26,935	30,484	69.1%	67.3%	63.4%	82.7%	80.5%
West Coast	849	73	338	7,400	8,660	532	44	183	5,572	6,331	62.6%	59.9%	54.2%	75.3%	73.1%
Canterbury	9,260	2,628	13,074	109,752	134,715	5,026	1,925	7,806	85,664	100,421	54.3%	73.2%	59.7%	78.1%	74.5%
South Canterbury	962	101	554	13,115	14,732	488	96	342	10,213	11,139	50.7%	94.7%	61.7%	77.9%	75.6%
Southern	6,184	1,105	4,349	66,005	77,643	3,703	848	2,419	54,832	61,802	59.9%	76.7%	55.6%	83.1%	79.6%
Unspecified						7	1	6	11	25					
<b>Total</b>	<b>155,377</b>	<b>65,576</b>	<b>169,409</b>	<b>786,125</b>	<b>1,176,487</b>	<b>98,375</b>	<b>48,430</b>	<b>108,163</b>	<b>646,354</b>	<b>901,322</b>	<b>63.3%</b>	<b>73.9%</b>	<b>63.8%</b>	<b>82.2%</b>	<b>76.6%</b>

## DHB coverage comparison trends by ethnicity

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

District Health Board	Māori			Pacific			Asian			European/Other		
	Sep-13	Sep-14	Sep-15	Sep-13	Sep-14	Sep-15	Sep-13	Sep-14	Sep-15	Sep-13	Sep-14	Sep-15
Northland	64.4%	62.7%	62.7%	49.9%	50.6%	49.0%	54.0%	54.4%	56.1%	78.2%	77.6%	77.3%
Waitemata	52.7%	54.6%	57.0%	67.8%	70.0%	72.6%	58.8%	61.1%	63.8%	84.0%	83.9%	83.8%
Auckland	57.4%	56.0%	57.6%	81.4%	79.5%	80.9%	67.3%	64.8%	65.7%	91.4%	89.5%	90.2%
Counties Manukau	62.5%	61.4%	62.4%	70.3%	72.5%	75.3%	58.9%	60.6%	64.1%	82.3%	79.9%	80.4%
Waikato	59.3%	59.7%	61.5%	65.3%	63.4%	65.7%	57.9%	60.2%	62.2%	81.6%	80.5%	80.9%
Lakes	69.3%	69.6%	71.2%	64.2%	66.4%	68.3%	57.9%	57.6%	57.3%	85.6%	85.3%	84.4%
Bay of Plenty	62.5%	61.8%	64.6%	63.8%	62.0%	60.7%	61.1%	61.4%	61.6%	85.9%	85.5%	86.1%
Tairāwhiti	71.4%	66.2%	67.3%	52.4%	60.5%	64.9%	59.2%	56.3%	58.2%	85.8%	80.5%	78.6%
Taranaki	64.2%	66.3%	64.1%	62.2%	63.6%	58.0%	56.2%	56.8%	58.5%	85.0%	84.6%	83.4%
Hawke's Bay	72.9%	73.4%	74.4%	77.2%	75.0%	71.2%	63.5%	64.7%	66.0%	82.4%	79.9%	77.6%
Whanganui	65.9%	66.6%	69.7%	61.5%	58.3%	58.6%	67.8%	65.8%	68.5%	79.2%	77.8%	79.8%
MidCentral	65.6%	65.5%	66.9%	69.0%	70.9%	71.1%	59.3%	59.8%	61.6%	78.2%	77.7%	78.6%
Hutt Valley	65.8%	68.8%	69.5%	69.4%	71.4%	71.5%	71.6%	71.7%	75.8%	81.2%	80.7%	80.7%
Capital and Coast	63.5%	63.6%	63.2%	66.5%	65.9%	66.1%	66.7%	65.9%	65.3%	90.4%	88.7%	87.5%
Wairarapa	69.0%	68.9%	68.9%	72.9%	71.8%	77.0%	54.6%	59.9%	63.2%	78.2%	76.7%	75.7%
Nelson Marlborough	62.6%	66.9%	69.1%	67.9%	68.2%	67.3%	56.8%	60.4%	63.4%	81.5%	81.7%	82.7%
West Coast	59.1%	61.6%	62.6%	68.0%	68.0%	59.9%	50.0%	52.0%	54.2%	77.2%	77.9%	75.3%
Canterbury	52.1%	53.8%	54.3%	67.6%	70.3%	73.2%	56.6%	57.1%	59.7%	80.0%	79.1%	78.1%
South Canterbury	40.7%	45.5%	50.7%	72.0%	81.6%	94.7%	51.1%	53.3%	61.7%	75.4%	78.0%	77.9%
Southern	57.2%	58.8%	59.9%	71.9%	76.9%	76.7%	52.9%	53.7%	55.6%	83.0%	82.8%	83.1%
<b>Total</b>	<b>62.0%</b>	<b>62.1%</b>	<b>63.3%</b>	<b>71.1%</b>	<b>72.0%</b>	<b>73.9%</b>	<b>61.4%</b>	<b>61.8%</b>	<b>63.8%</b>	<b>83.3%</b>	<b>82.4%</b>	<b>82.2%</b>

Key  ≥ 80%  70–79.9%  < 70%