



NCSP New Zealand Total District Health Board Coverage Report

For the period ending 31 December
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 December 2013, 31 December 2014 and 31 December 2015 were extracted from the National Cervical Screening Register (the Register) on 17 February 2014 for December 2013, on 20 January 2015 for December 2014 and on 15 January 2016 for 31 December 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.

New Zealand Total coverage

New Zealand Total coverage by ethnicity in the three years ending 31 December 2015

Figure 1: NCSP coverage (%) in the three years ending 31 December 2015 by ethnicity, women aged 25–69 years, Total Coverage

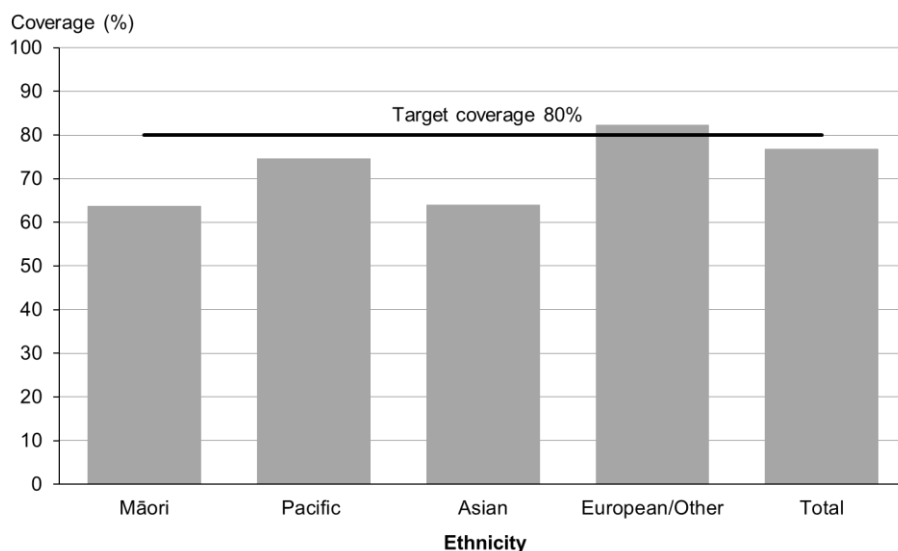


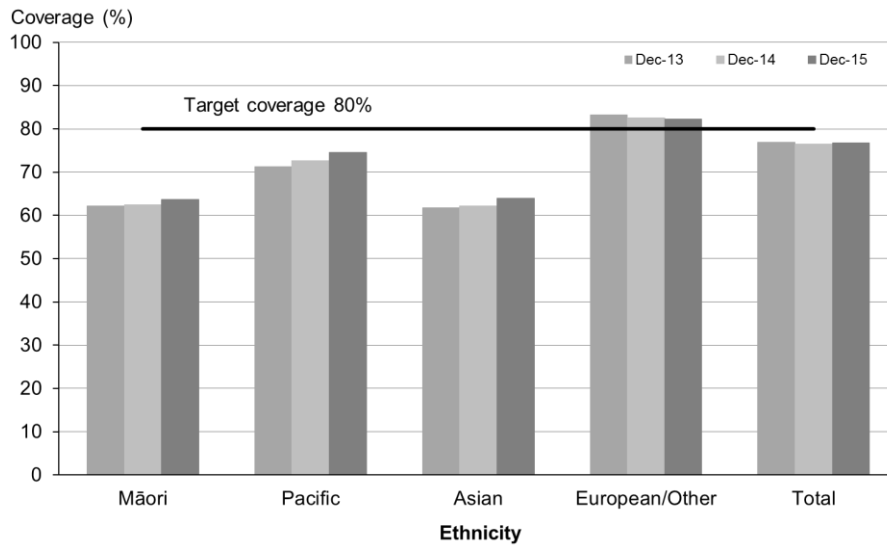
Table 1: NCSP coverage (%) in the three years ending 31 December 2015 by ethnicity, women aged 25–69 years, Total Coverage

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach 80% target*
Māori	156,409	99,703	63.7%	25,424
Pacific	66,088	49,248	74.5%	3,622
Asian	171,530	109,830	64.0%	27,394
European/Other	790,092	649,614	82.2%	
Total	1,184,119	908,395	76.7%	38,900

*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%.

New Zealand Total coverage trends by ethnicity

Figure 2: NCSP coverage (%) of women aged 25–69 years in the three years ending 31 December 2013, 2014 and 2015 by ethnicity, Total Coverage



DHB coverage comparisons

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

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

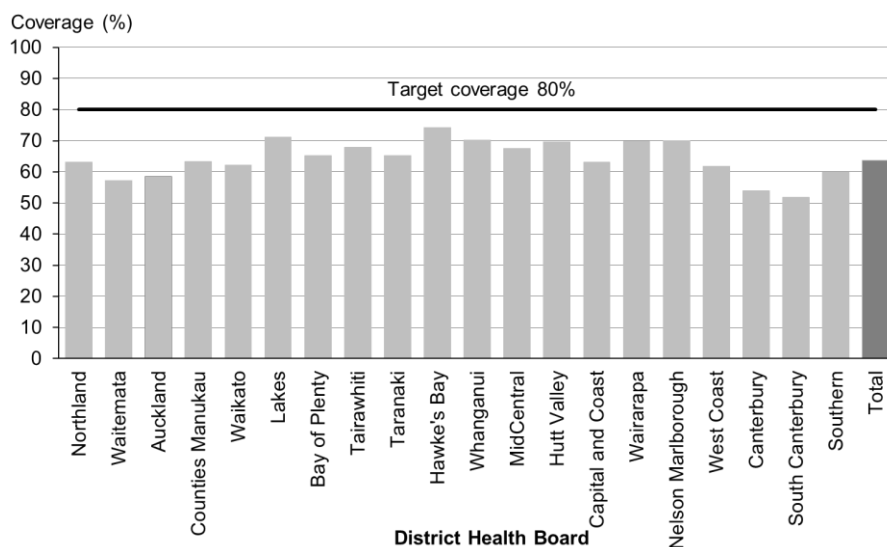


Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 31 December 2015 by District Health Board

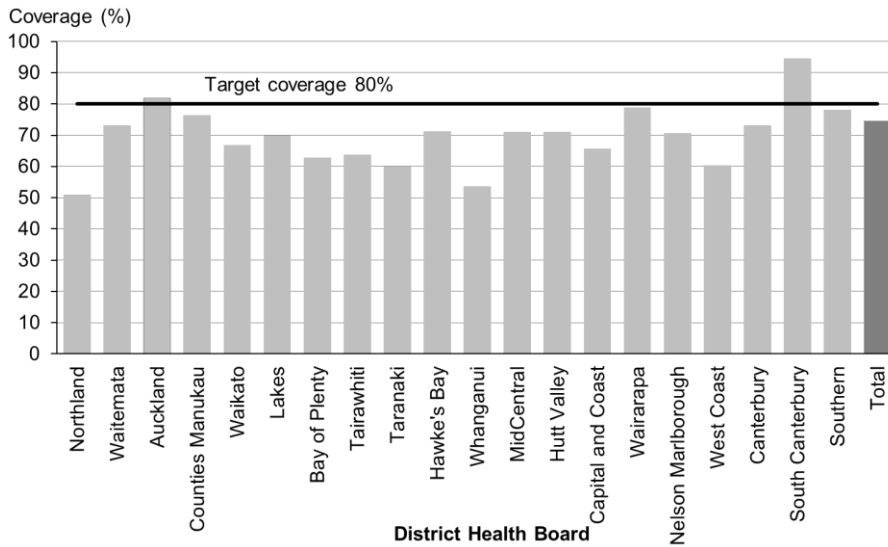


Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 31 December 2015 by District Health Board

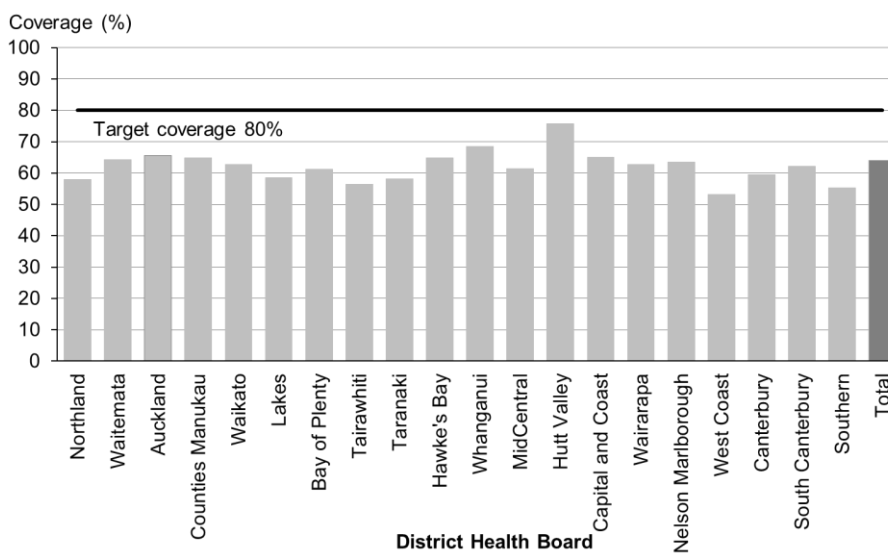


Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 31 December 2015 by District Health Board

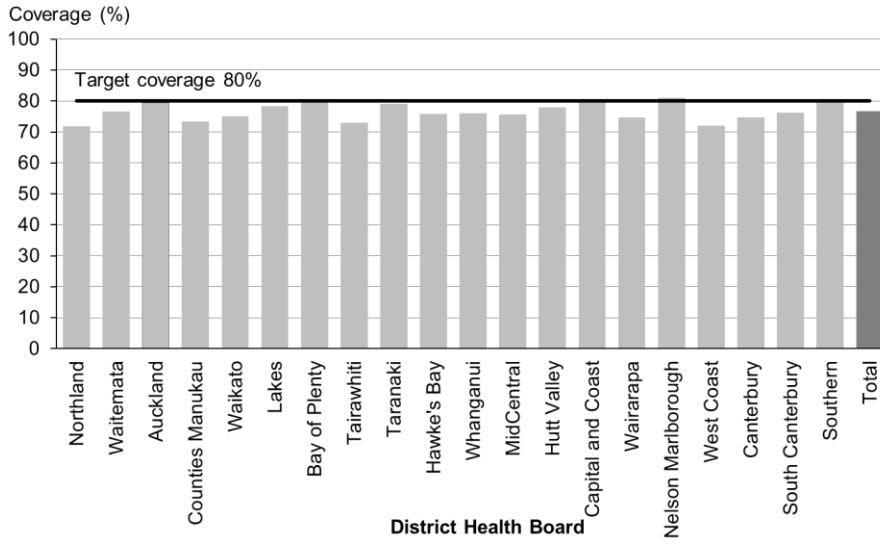


Table 2: NCSP number of screens and coverage (%) in women aged 25–69 years in the three years ending 31 December 2015 by District Health Board

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	12,600	684	1,676	26,752	41,711	7,961	348	971	20,668	29,948	63.2%	50.9%	57.9%	77.3%	71.8%
Waitemata	12,495	9,221	34,643	97,321	153,680	7,155	6,745	22,293	81,371	117,564	57.3%	73.1%	64.4%	83.6%	76.5%
Auckland	9,583	12,280	41,674	69,276	132,813	5,602	10,053	27,327	62,555	105,537	58.5%	81.9%	65.6%	90.3%	79.5%
Counties Manukau	18,017	24,917	35,712	54,087	132,733	11,411	19,013	23,123	43,633	97,180	63.3%	76.3%	64.7%	80.7%	73.2%
Waikato	19,065	2,382	8,789	67,105	97,341	11,855	1,589	5,512	54,123	73,079	62.2%	66.7%	62.7%	80.7%	75.1%
Lakes	8,116	544	1,991	15,681	26,332	5,773	380	1,165	13,264	20,582	71.1%	69.8%	58.5%	84.6%	78.2%
Bay of Plenty	12,180	799	3,523	39,296	55,798	7,949	502	2,154	34,031	44,636	65.3%	62.8%	61.1%	86.6%	80.0%
Tairāwhiti	5,323	251	349	5,843	11,767	3,610	160	197	4,615	8,582	67.8%	63.7%	56.4%	79.0%	72.9%
Taranaki	4,421	275	1,369	23,914	29,979	2,880	165	795	19,861	23,701	65.1%	59.9%	58.1%	83.1%	79.1%
Hawke's Bay	8,880	1,158	1,800	28,415	40,252	6,584	824	1,166	21,938	30,512	74.1%	71.2%	64.8%	77.2%	75.8%
Whanganui	3,501	319	468	10,900	15,188	2,456	171	320	8,589	11,536	70.1%	53.6%	68.4%	78.8%	76.0%
MidCentral	6,926	976	3,134	31,178	42,214	4,679	692	1,925	24,615	31,911	67.6%	70.9%	61.4%	78.9%	75.6%
Hutt Valley	5,427	2,608	4,397	25,560	37,991	3,781	1,852	3,333	20,576	29,542	69.7%	71.0%	75.8%	80.5%	77.8%
Capital and Coast	7,732	5,096	11,424	55,779	80,031	4,881	3,339	7,421	48,708	64,349	63.1%	65.5%	65.0%	87.3%	80.4%
Wairarapa	1,567	170	330	8,981	11,048	1,093	134	207	6,798	8,232	69.8%	78.8%	62.7%	75.7%	74.5%
Nelson Marlborough	3,180	453	1,698	32,723	38,054	2,227	320	1,077	27,150	30,774	70.0%	70.6%	63.4%	83.0%	80.9%
West Coast	847	75	343	7,439	8,704	523	45	182	5,506	6,256	61.7%	60.2%	53.1%	74.0%	71.9%
Canterbury	9,339	2,657	13,242	110,434	135,672	5,037	1,942	7,867	86,273	101,119	53.9%	73.1%	59.4%	78.1%	74.5%
South Canterbury	973	103	563	13,177	14,816	504	97	350	10,322	11,273	51.8%	94.5%	62.1%	78.3%	76.1%
Southern	6,238	1,119	4,403	66,235	77,995	3,736	873	2,433	54,994	62,036	59.9%	78.0%	55.3%	83.0%	79.5%
Unspecified						6	4	12	24	46					
Total	156,409	66,088	171,530	790,092	1,184,119	99,703	49,248	109,830	649,614	908,395	63.7%	74.5%	64.0%	82.2%	76.7%

DHB coverage comparison trends by ethnicity

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

District Health Board	Māori			Pacific			Asian			European/Other		
	Dec-13	Dec-14	Dec-15	Dec-13	Dec-14	Dec-15	Dec-13	Dec-14	Dec-15	Dec-13	Dec-14	Dec-15
Northland	63.9%	63.5%	63.2%	50.6%	50.2%	50.9%	54.3%	55.2%	57.9%	78.5%	78.2%	77.3%
Waitemata	54.0%	54.9%	57.3%	67.3%	70.5%	73.1%	59.7%	61.7%	64.4%	84.3%	84.3%	83.6%
Auckland	57.5%	56.1%	58.5%	81.7%	80.2%	81.9%	66.9%	64.8%	65.6%	91.1%	90.0%	90.3%
Counties Manukau	61.9%	62.0%	63.3%	71.0%	73.2%	76.3%	60.0%	61.3%	64.7%	81.9%	80.3%	80.7%
Waikato	59.4%	60.0%	62.2%	64.0%	64.8%	66.7%	58.4%	61.0%	62.7%	81.3%	80.5%	80.7%
Lakes	69.5%	69.6%	71.1%	64.6%	68.6%	69.8%	58.2%	58.1%	58.5%	85.5%	84.9%	84.6%
Bay of Plenty	62.5%	62.0%	65.3%	63.0%	61.6%	62.8%	60.9%	61.3%	61.1%	85.8%	85.7%	86.6%
Tairāwhiti	70.5%	65.7%	67.8%	53.7%	61.7%	63.7%	60.8%	58.4%	56.4%	84.6%	80.1%	79.0%
Taranaki	64.9%	65.4%	65.1%	62.7%	63.1%	59.9%	56.1%	56.7%	58.1%	85.6%	84.4%	83.1%
Hawke's Bay	73.4%	73.8%	74.1%	77.0%	72.8%	71.2%	64.5%	65.3%	64.8%	82.5%	78.8%	77.2%
Whanganui	65.8%	67.1%	70.1%	61.1%	56.7%	53.6%	67.2%	69.0%	68.4%	79.0%	77.8%	78.8%
MidCentral	66.0%	65.9%	67.6%	70.1%	71.0%	70.9%	60.3%	60.8%	61.4%	78.5%	78.1%	78.9%
Hutt Valley	66.2%	69.5%	69.7%	68.5%	72.0%	71.0%	71.0%	72.7%	75.8%	80.9%	80.9%	80.5%
Capital and Coast	63.4%	64.1%	63.1%	66.5%	66.0%	65.5%	66.7%	66.0%	65.0%	90.4%	88.3%	87.3%
Wairarapa	69.6%	69.4%	69.8%	72.4%	73.9%	78.8%	55.0%	60.3%	62.7%	77.8%	76.6%	75.7%
Nelson Marlborough	64.1%	67.9%	70.0%	66.3%	68.1%	70.6%	58.2%	60.4%	63.4%	82.0%	82.5%	83.0%
West Coast	59.3%	61.9%	61.7%	66.0%	67.5%	60.2%	52.6%	52.1%	53.1%	77.7%	77.6%	74.0%
Canterbury	53.0%	54.4%	53.9%	67.8%	71.0%	73.1%	56.6%	57.1%	59.4%	79.9%	79.2%	78.1%
South Canterbury	41.6%	46.6%	51.8%	77.7%	86.6%	94.5%	50.8%	55.6%	62.1%	76.3%	78.5%	78.3%
Southern	56.8%	59.7%	59.9%	73.4%	78.1%	78.0%	53.1%	52.7%	55.3%	83.3%	82.8%	83.0%
Total	62.1%	62.5%	63.7%	71.3%	72.6%	74.5%	61.8%	62.2%	64.0%	83.3%	82.5%	82.2%

Key ≥ 80% 70–79.9% < 70%