



National  
Cervical  
Screening  
Programme

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

For the period ending  
31 March 2019

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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.

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 data for the period ending 31 March 2019 was extracted from the Ministry of Health NCSP Datamart on 24 April 2019.

Screened women (the ‘numerator’) 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. Since February 2016 the ethnicity and domicile of a screened woman is that recorded on the Ministry of Health’s National Health Index (NHI). Prior to this date, demographic information was obtained from the NCSP Register. The impact of this change can be found in the comparison document re: December 2015 coverage: <https://www.nsu.govt.nz/health-professionals/national-cervical-screening-programme/cervical-screening-coverage>

Any time series data produced from February 2016 will use demographic information from the NHI across all time periods.

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.

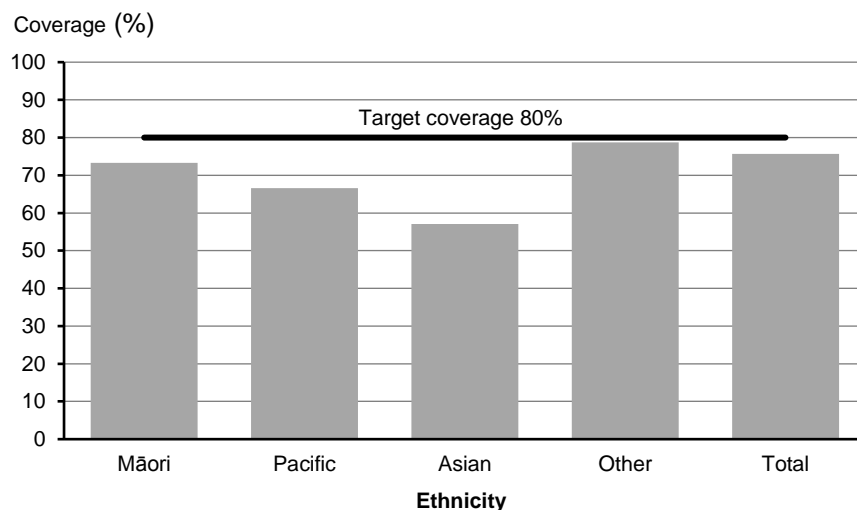
The denominators used for calculating coverage are derived from Statistics New Zealand’s District Health Board (DHB) population projections 30 June 2017 update based on the 2013 Census. The population update may result in changes to historic denominators (from the last census year to the date of this report), this means that the denominators in this report may differ from those published in previous years. 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 coverage

### Northland coverage by ethnicity in the three years ending 31 March 2019

**Figure 1: NCSP coverage (%) in the three years ending 31 March 2019 by ethnicity, women aged 25–69 years, Total Coverage**



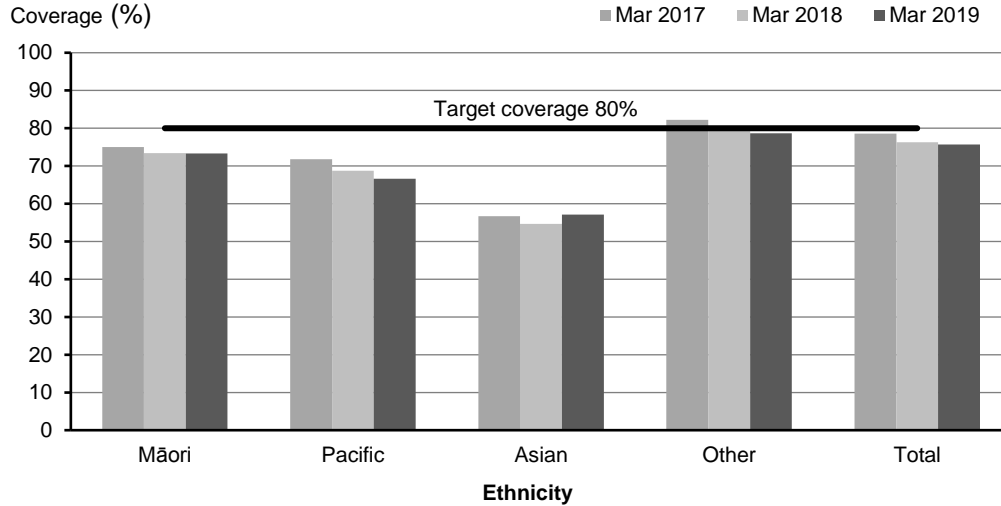
**Table 1: NCSP coverage (%) in the three years ending 31 March 2019 by ethnicity, women aged 25–69 years, Total Coverage**

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach target*
Māori	13,376	9,810	73.30%	890
Pacific	821	547	66.60%	109
Asian	2,398	1,370	57.10%	548
Other	27,318	21,499	78.70%	355
<b>Total</b>	<b>43,913</b>	<b>33,226</b>	<b>75.70%</b>	<b>1,904</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

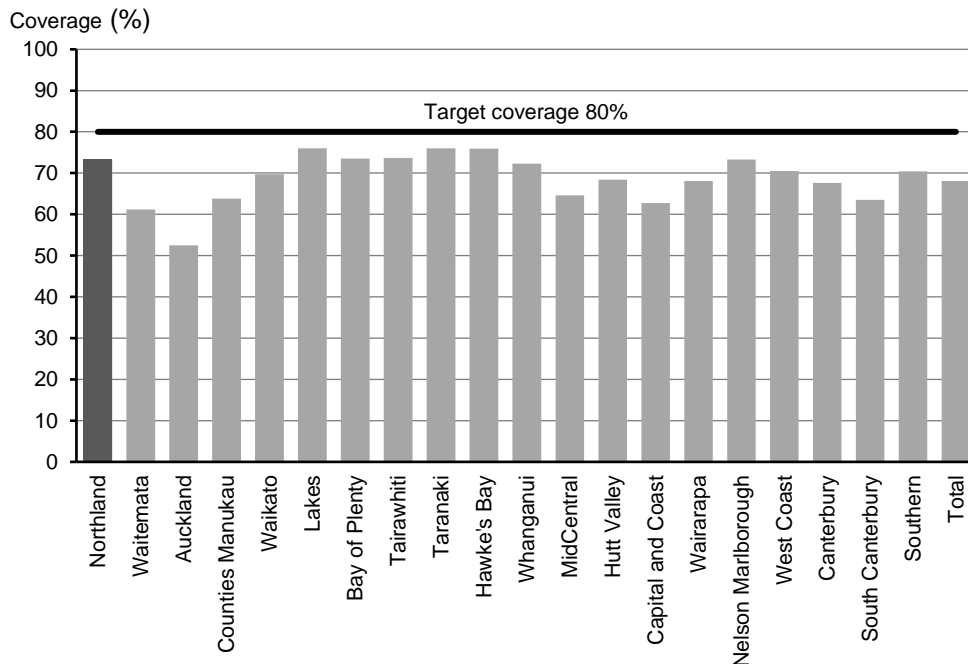
**Figure 2: NCSP coverage (%) of women aged 25–69 years in the three years ending 31 March 2019 by ethnicity, Total Coverage**



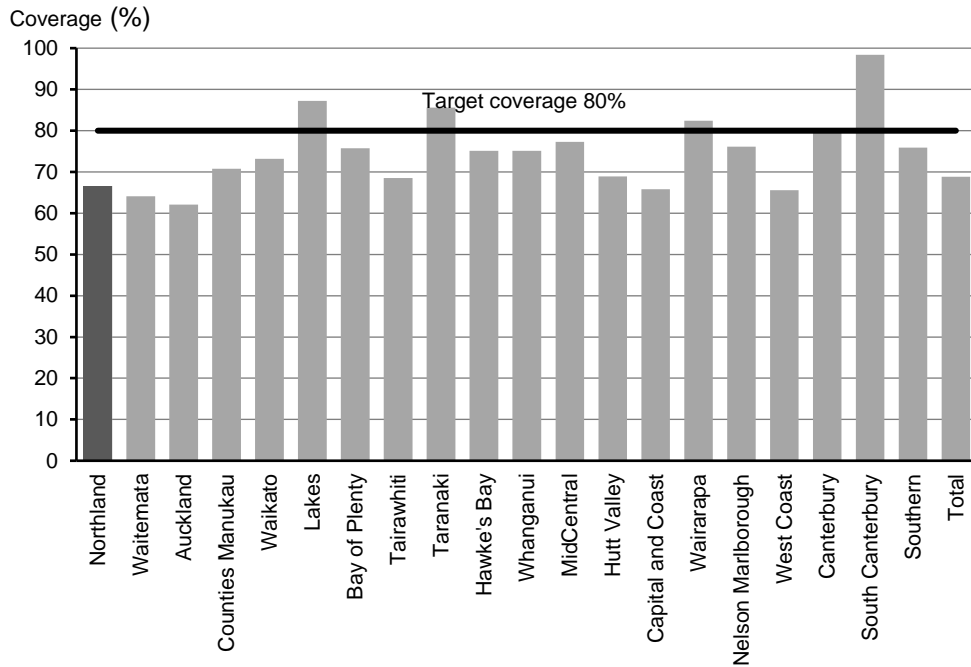
## DHB coverage comparisons

### DHB coverage by ethnicity in the three years ending 31 March 2019

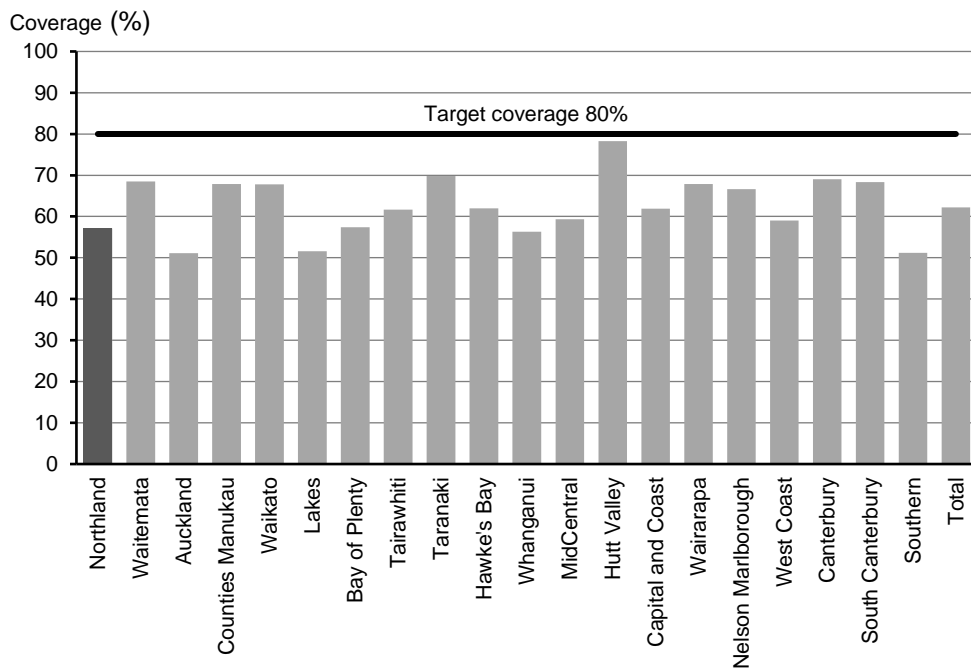
**Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 31 March 2019 by District Health Board**



**Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 31 March 2019 by District Health Board**

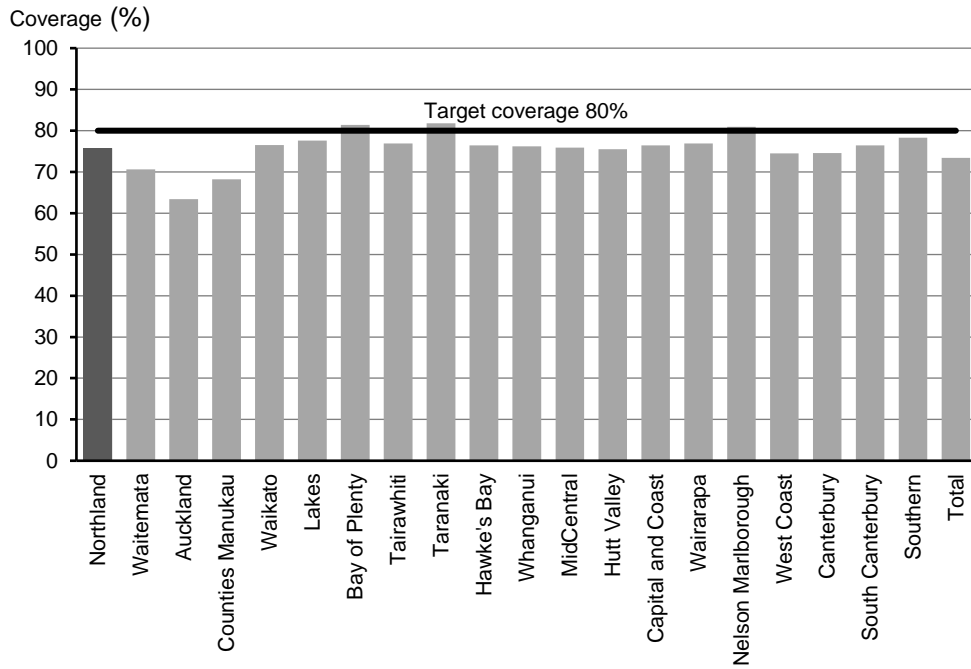


**Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 31 March 2019 by District Health Board**

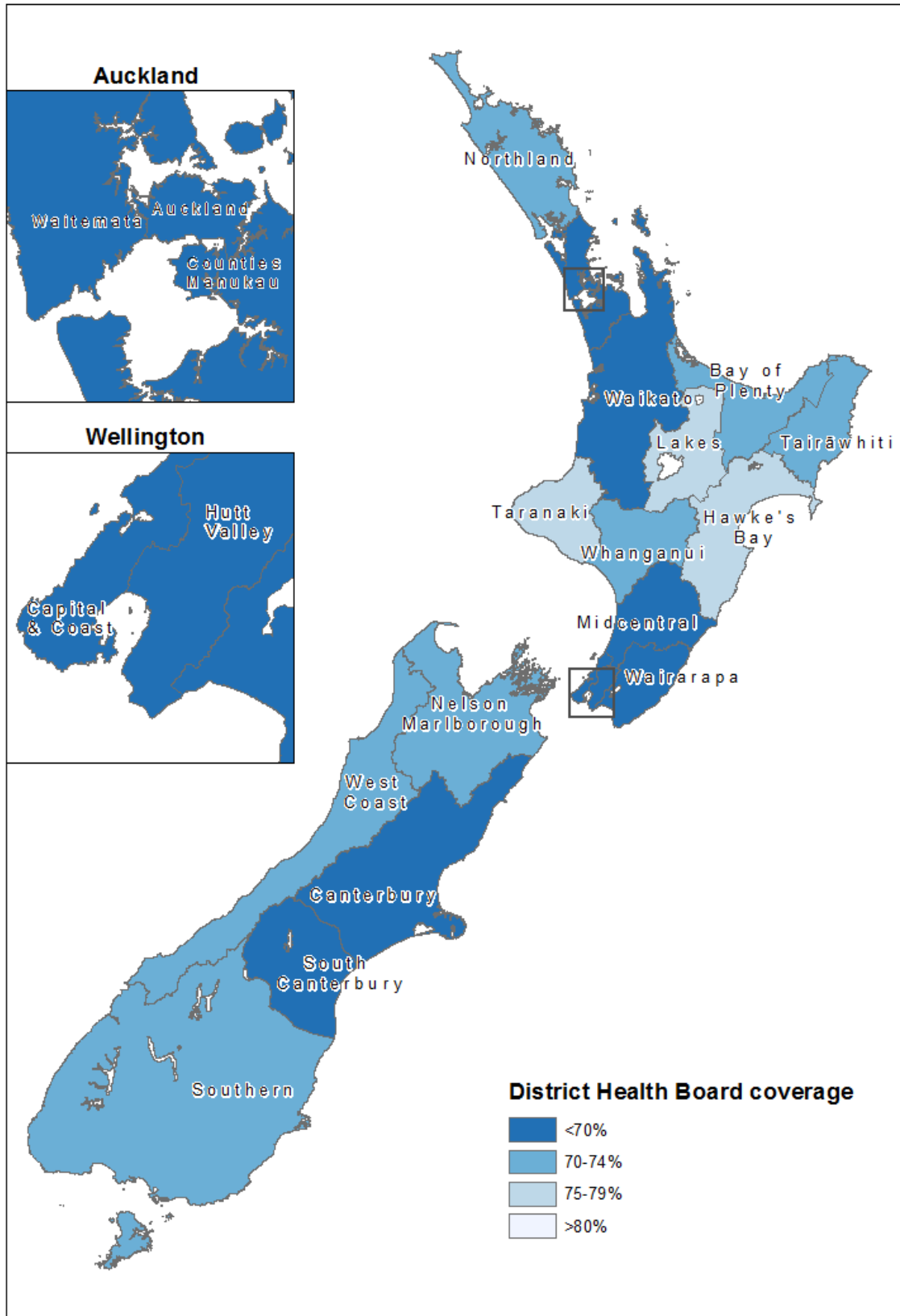




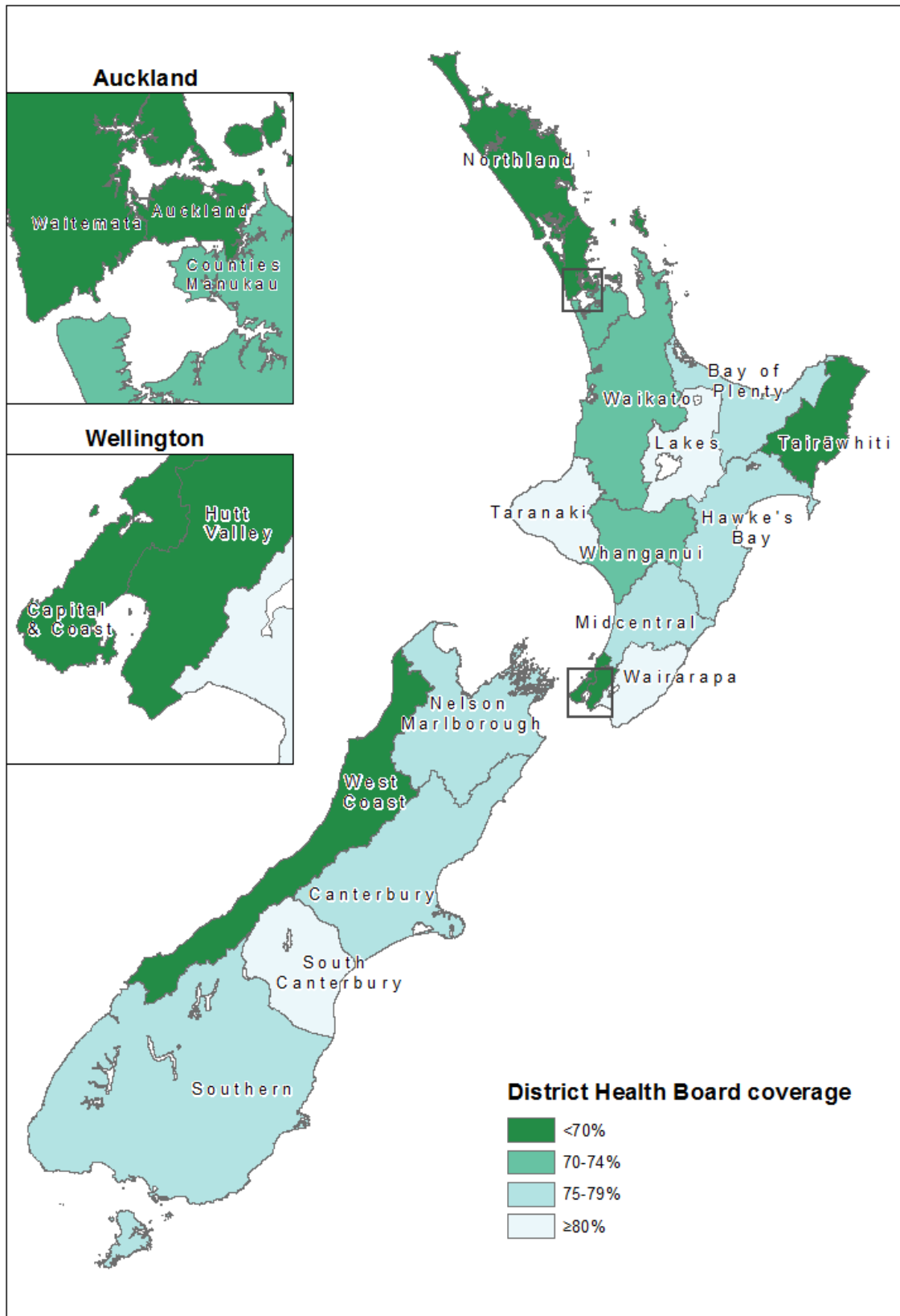
**Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 31 March 2019 by District Health Board**



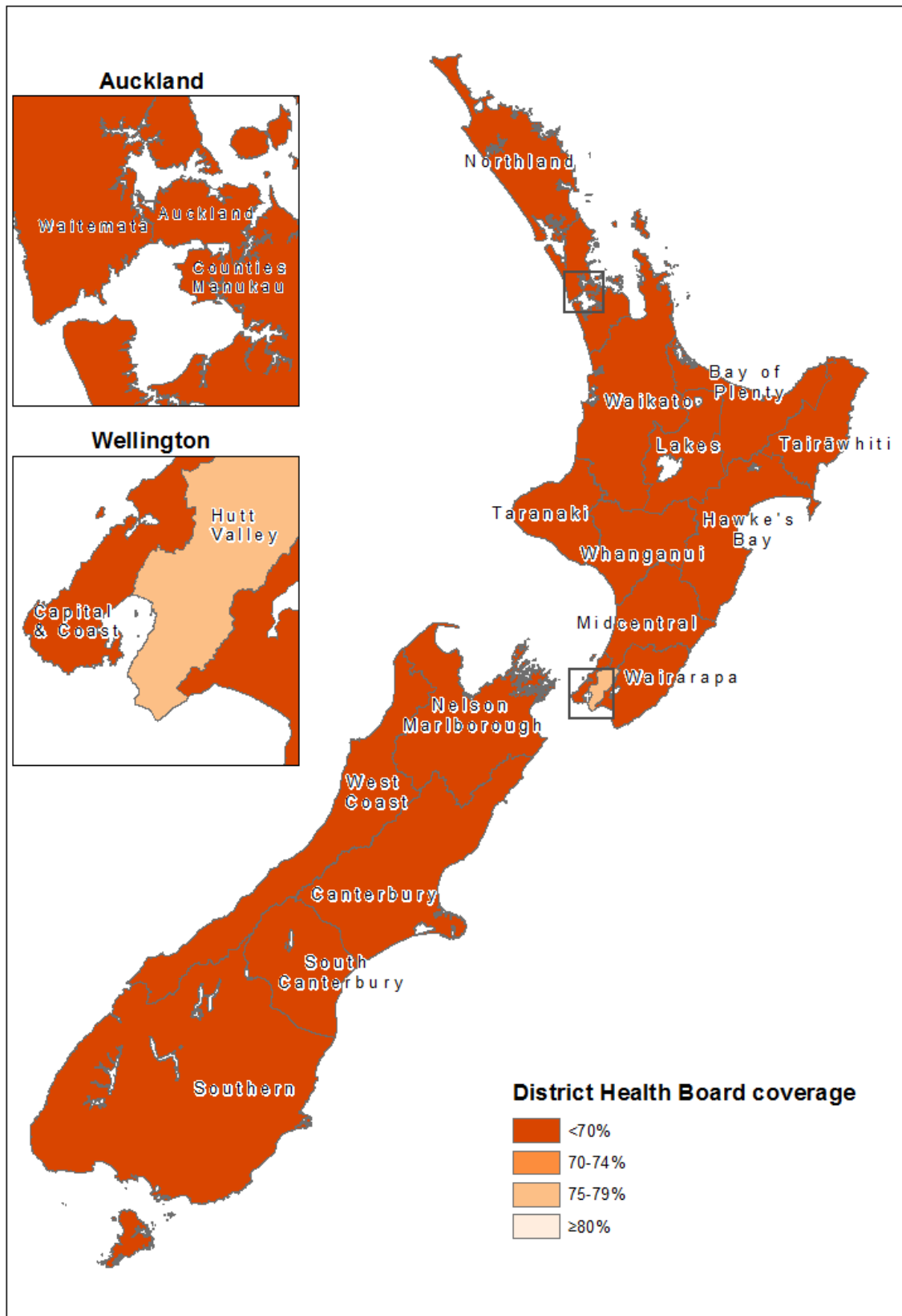
**Figure 7: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 31 March 2019**



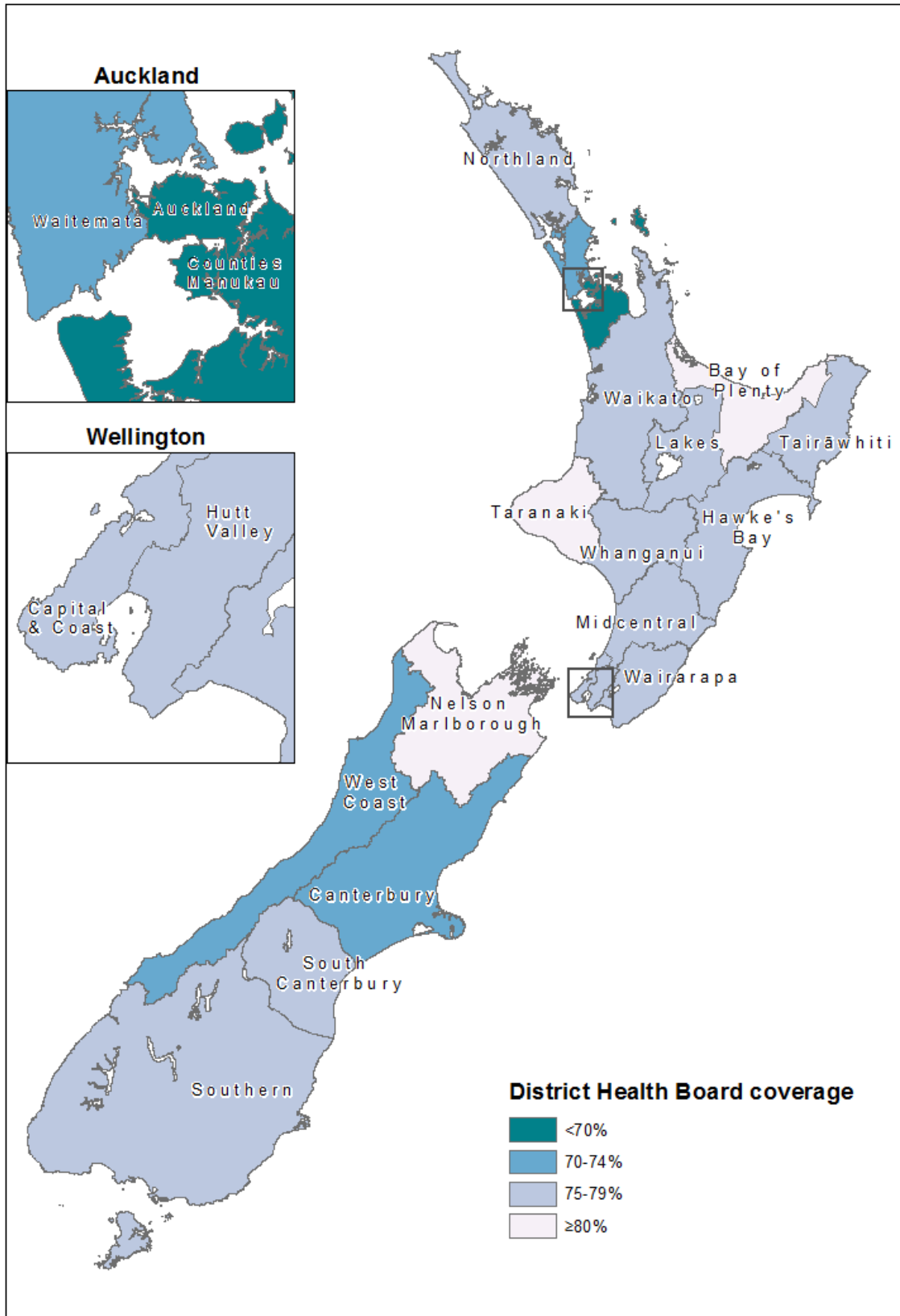
**Figure 8: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 31 March 2019**



**Figure 9: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 31 March 2019 by District Health Board**



**Figure 10: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 31 March 2019 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 2019 by District Health Board**

DHB	Eligible Population					Screens					Coverage				
	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total
Northland	13,376	821	2,398	27,318	43,913	9,810	547	1,370	21,499	33,226	73.3%	66.6%	57.1%	78.7%	75.7%
Waitemata	13,711	10,553	43,294	103,233	170,791	8,391	6,763	29,647	75,710	120,511	61.2%	64.1%	68.5%	73.3%	70.6%
Auckland	10,953	14,190	57,316	74,712	157,171	5,750	8,813	29,302	55,777	99,642	52.5%	62.1%	51.1%	74.7%	63.4%
Counties Manukau	20,056	28,157	42,993	57,285	148,491	12,792	19,941	29,182	39,370	101,285	63.8%	70.8%	67.9%	68.7%	68.2%
Waikato	20,786	2,840	11,904	68,928	104,458	14,491	2,079	8,066	55,325	79,961	69.7%	73.2%	67.8%	80.3%	76.5%
Lakes	8,676	553	2,903	15,730	27,862	6,592	482	1,499	13,037	21,610	76.0%	87.2%	51.6%	82.9%	77.6%
Bay of Plenty	13,116	888	5,171	40,677	59,852	9,639	672	2,968	35,450	48,729	73.5%	75.7%	57.4%	87.1%	81.4%
Tairāwhiti	5,710	260	402	5,705	12,077	4,211	178	248	4,653	9,290	73.7%	68.5%	61.7%	81.6%	76.9%
Taranaki	4,731	306	1,567	23,495	30,099	3,594	262	1,093	19,659	24,608	76.0%	85.6%	69.8%	83.7%	81.8%
Hawke's Bay	9,329	1,181	2,412	28,110	41,032	7,078	887	1,495	21,894	31,354	75.9%	75.1%	62.0%	77.9%	76.4%
Whanganui	3,795	326	804	10,682	15,607	2,743	243	453	8,447	11,886	72.3%	74.5%	56.3%	79.1%	76.2%
MidCentral	7,608	1,050	4,080	31,068	43,806	4,913	812	2,418	25,104	33,247	64.6%	77.3%	59.3%	80.8%	75.9%
Hutt Valley	5,785	2,723	5,189	25,650	39,347	3,956	1,875	4,061	19,827	29,719	68.4%	68.9%	78.3%	77.3%	75.5%
Capital and Coast	8,748	5,416	14,307	56,661	85,132	5,486	3,565	8,854	47,126	65,031	62.7%	65.8%	61.9%	83.2%	76.4%
Wairarapa	1,673	170	399	8,976	11,218	1,140	140	271	7,079	8,630	68.1%	82.4%	67.9%	78.9%	76.9%
Nelson Marlborough	3,391	489	2,158	32,359	38,397	2,487	372	1,437	26,778	31,074	73.3%	76.1%	66.6%	82.8%	80.9%
West Coast	896	96	351	6,964	8,307	632	63	207	5,288	6,190	70.5%	65.6%	59.0%	75.9%	74.5%
Canterbury	10,630	2,927	16,750	113,327	143,634	7,188	2,327	11,561	86,044	107,120	67.6%	79.5%	69.0%	75.9%	74.6%
South Canterbury	1,068	123	685	12,987	14,863	678	121	468	10,081	11,348	63.5%	98.4%	68.3%	77.6%	76.4%
Southern	6,889	1,344	6,757	66,881	81,871	4,853	1,020	3,462	54,757	64,092	70.4%	75.9%	51.2%	81.9%	78.3%
<b>National</b>	<b>170,927</b>	<b>74,413</b>	<b>221,840</b>	<b>810,748</b>	<b>1,277,928</b>	<b>116,424</b>	<b>51,162</b>	<b>138,062</b>	<b>632,905</b>	<b>938,553</b>	<b>68.1%</b>	<b>68.8%</b>	<b>62.2%</b>	<b>78.1%</b>	<b>73.4%</b>

## DHB coverage comparison trends by ethnicity

**Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 31 March, 2017, 2018, 2019, by ethnicity and District Health Board**

DHB	Māori			Pacific			Asian			Other		
	Mar-17	Mar-18	Mar-19	Mar-17	Mar-18	Mar-19	Mar-17	Mar-18	Mar-19	Mar-17	Mar-18	Mar-19
Northland	75.0%	73.4%	73.3%	71.8%	68.7%	66.6%	56.7%	54.7%	57.1%	82.2%	79.7%	78.7%
Waitemata	63.1%	62.2%	61.2%	71.7%	68.4%	64.1%	70.4%	69.1%	68.5%	75.7%	74.2%	73.3%
Auckland	55.3%	53.9%	52.5%	67.6%	65.1%	62.1%	53.1%	51.1%	51.1%	74.2%	74.1%	74.7%
Counties Manukau	67.7%	66.4%	63.8%	81.0%	77.1%	70.8%	69.4%	68.2%	67.9%	70.8%	70.0%	68.7%
Waikato	70.5%	70.2%	69.7%	77.8%	74.2%	73.2%	64.3%	64.9%	67.8%	80.8%	80.2%	80.3%
Lakes	72.5%	74.3%	76.0%	76.9%	82.6%	87.2%	47.9%	48.5%	51.6%	81.9%	82.4%	82.9%
Bay of Plenty	73.1%	72.9%	73.5%	73.6%	74.4%	75.7%	56.8%	56.3%	57.4%	88.7%	87.6%	87.1%
Tairāwhiti	72.4%	71.8%	73.7%	65.9%	69.2%	68.5%	55.5%	57.6%	61.7%	81.4%	81.9%	81.6%
Taranaki	76.6%	76.2%	76.0%	79.8%	85.1%	85.6%	68.9%	69.0%	69.8%	85.2%	84.3%	83.7%
Hawke's Bay	76.6%	77.0%	75.9%	72.6%	74.6%	75.1%	62.6%	62.1%	62.0%	80.0%	78.8%	77.9%
Whanganui	73.8%	74.0%	72.3%	72.3%	76.1%	74.5%	59.0%	56.6%	56.3%	80.8%	79.9%	79.1%
MidCentral	65.5%	65.4%	64.6%	73.7%	75.5%	77.3%	57.8%	57.8%	59.3%	80.7%	80.2%	80.8%
Hutt Valley	67.8%	67.5%	68.4%	70.0%	68.0%	68.9%	77.9%	77.8%	78.3%	77.4%	77.0%	77.3%
Capital and Coast	62.8%	62.0%	62.7%	63.3%	64.1%	65.8%	61.7%	61.4%	61.9%	80.3%	81.6%	83.2%
Wairarapa	75.4%	72.1%	68.1%	93.4%	88.8%	82.4%	71.0%	68.7%	67.9%	82.5%	80.2%	78.9%
Nelson Marlborough	74.4%	74.1%	73.3%	69.0%	72.0%	76.1%	63.0%	64.8%	66.6%	84.6%	83.8%	82.8%
West Coast	73.0%	70.4%	70.5%	50.6%	58.9%	65.6%	52.4%	57.8%	59.0%	77.1%	76.6%	75.9%
Canterbury	68.3%	66.7%	67.6%	76.4%	77.4%	79.5%	63.1%	65.0%	69.0%	76.8%	76.1%	75.9%
South Canterbury	65.9%	64.9%	63.5%	109.5%	98.3%	98.4%	62.1%	67.3%	68.3%	80.2%	79.4%	77.6%
Southern	70.7%	70.3%	70.4%	76.1%	78.2%	75.9%	49.5%	49.9%	51.2%	81.2%	81.0%	81.9%
<b>Total</b>	<b>69.2%</b>	<b>68.6%</b>	<b>68.1%</b>	<b>74.4%</b>	<b>72.1%</b>	<b>68.8%</b>	<b>62.7%</b>	<b>61.8%</b>	<b>62.2%</b>	<b>78.9%</b>	<b>78.2%</b>	<b>78.1%</b>