



National
Cervical
Screening
Programme

NCSP New Zealand All District Health Board Coverage Report

For the period ending
30 June 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 30 June 2019 was extracted from the Ministry of Health NCSP Datamart on 25 July 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.

All coverage

All coverage by ethnicity in the three years ending 30 June 2019

Figure 1: NCSP coverage (%) in the three years ending 30 June 2019 by ethnicity, women aged 25–69 years, Total Coverage

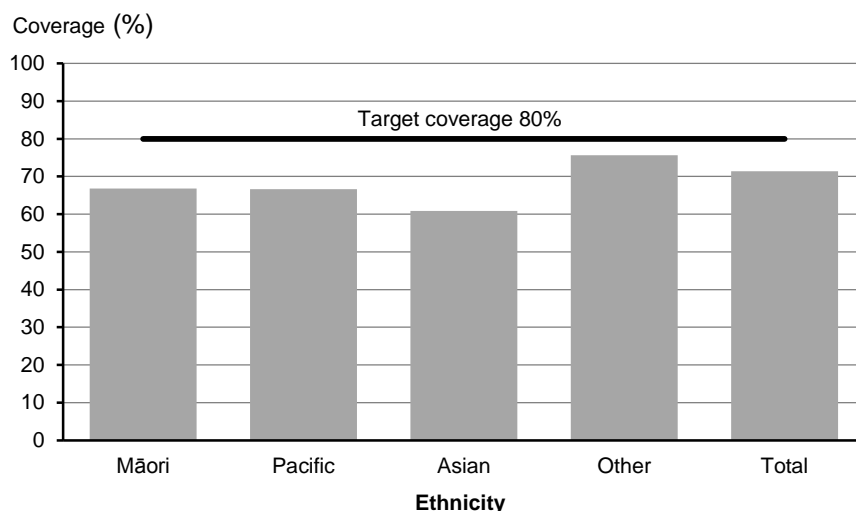


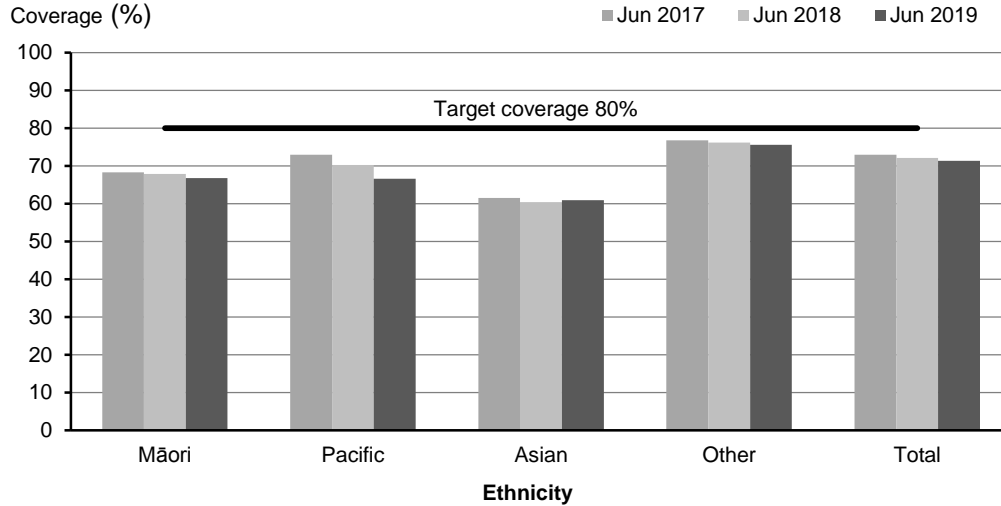
Table 1: NCSP coverage (%) in the three years ending 30 June 2019 by ethnicity, women aged 25–69 years, Total Coverage

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach target*
Māori	174,337	116,469	66.80%	23,000
Pacific	75,947	50,553	66.60%	10,204
Asian	229,337	139,748	60.90%	43,721
Other	835,732	631,831	75.60%	36,754
Total	1,315,353	938,601	71.40%	113,681

*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%.

All coverage trends by ethnicity

Figure 2: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2019 by ethnicity, Total Coverage



DHB coverage comparisons

DHB coverage by ethnicity in the three years ending 30 June 2019

Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 30 June 2019 by District Health Board

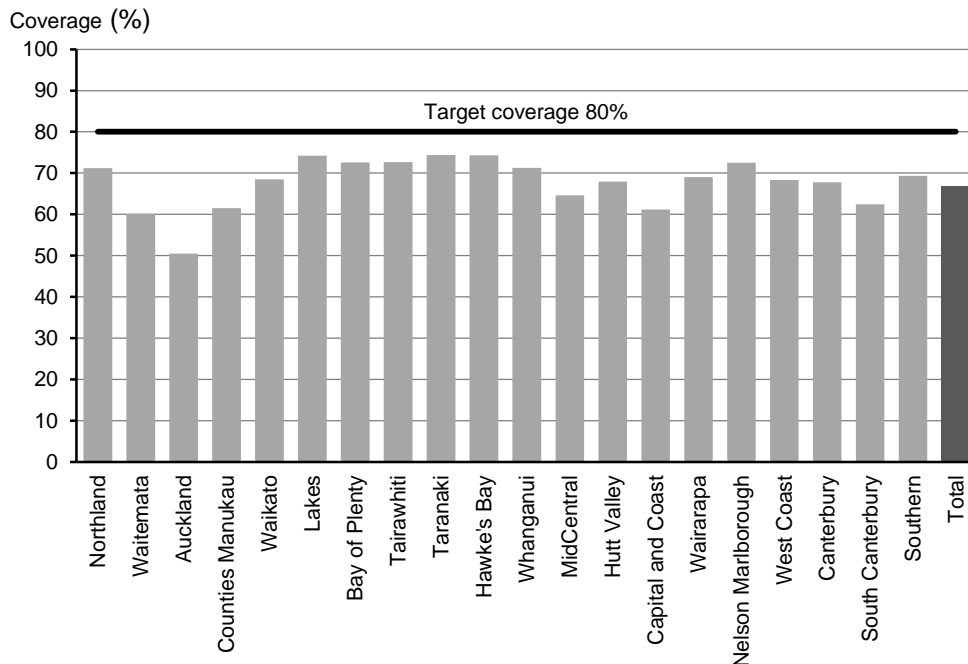


Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 30 June 2019 by District Health Board

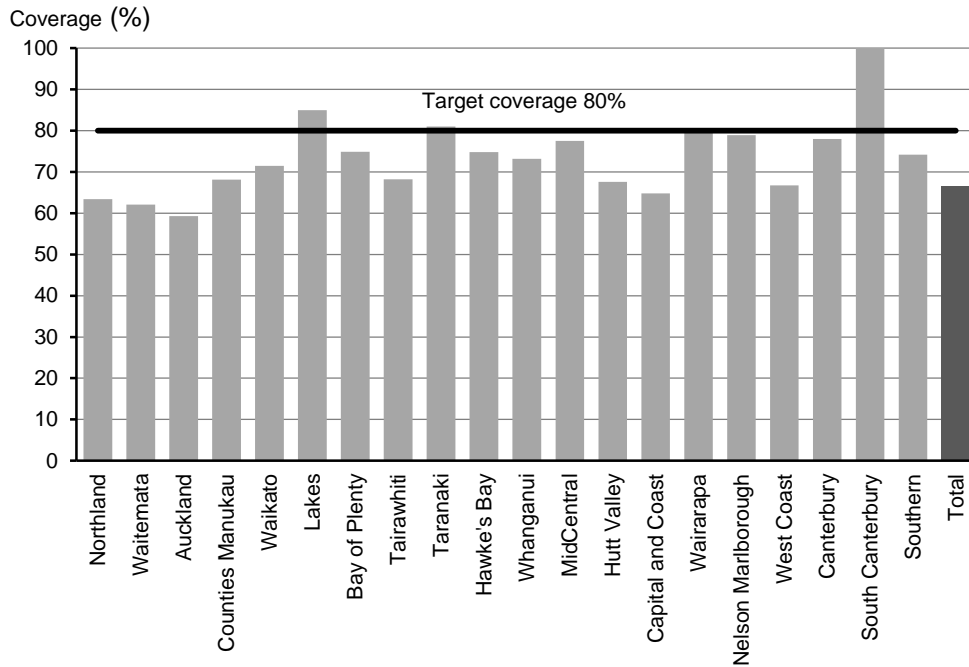


Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 June 2019 by District Health Board

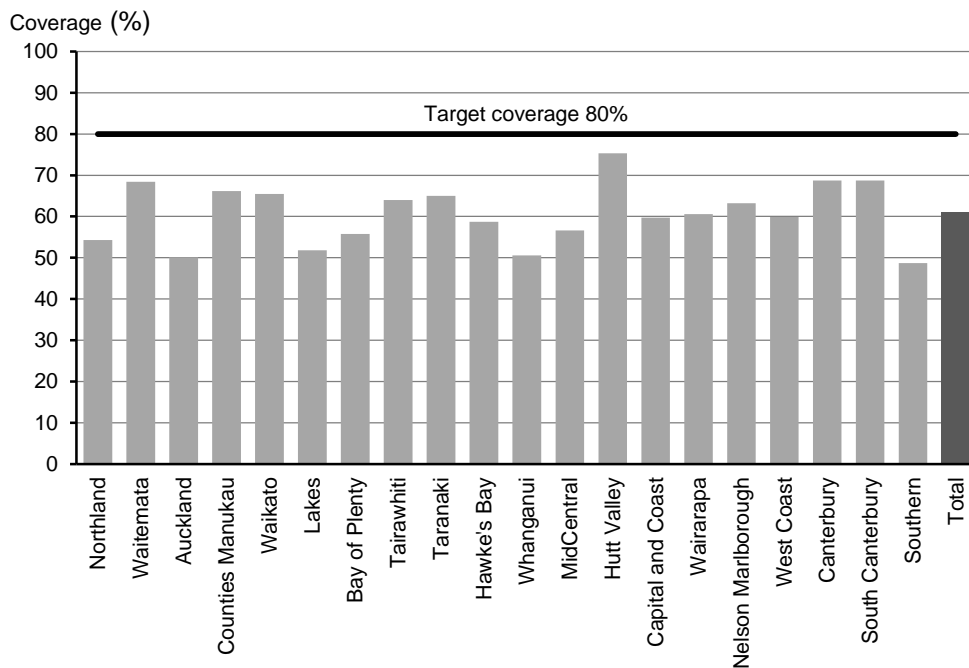


Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2019 by District Health Board

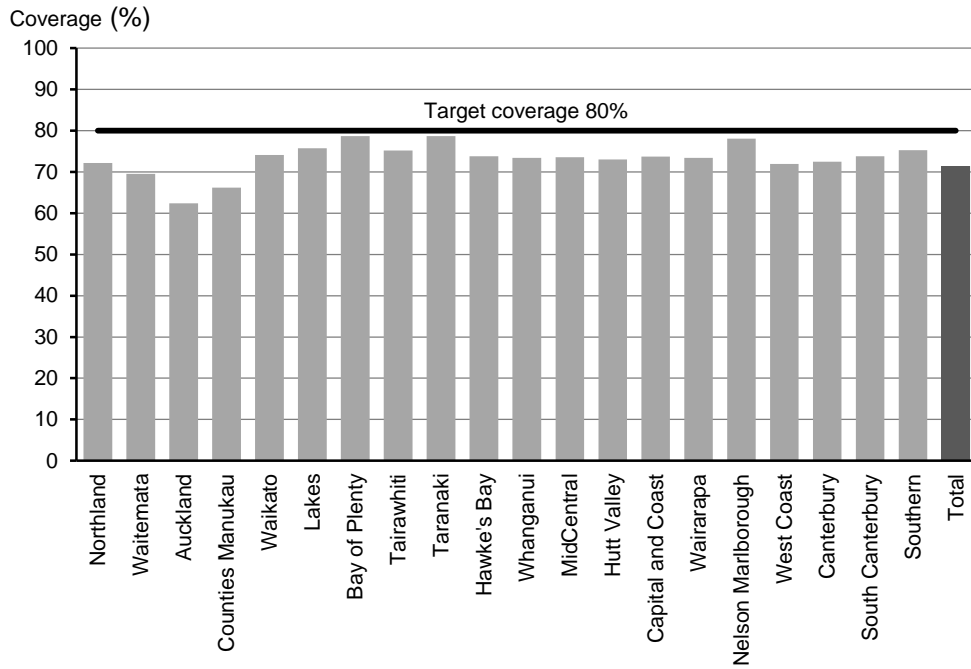


Figure 7: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 30 June 2019

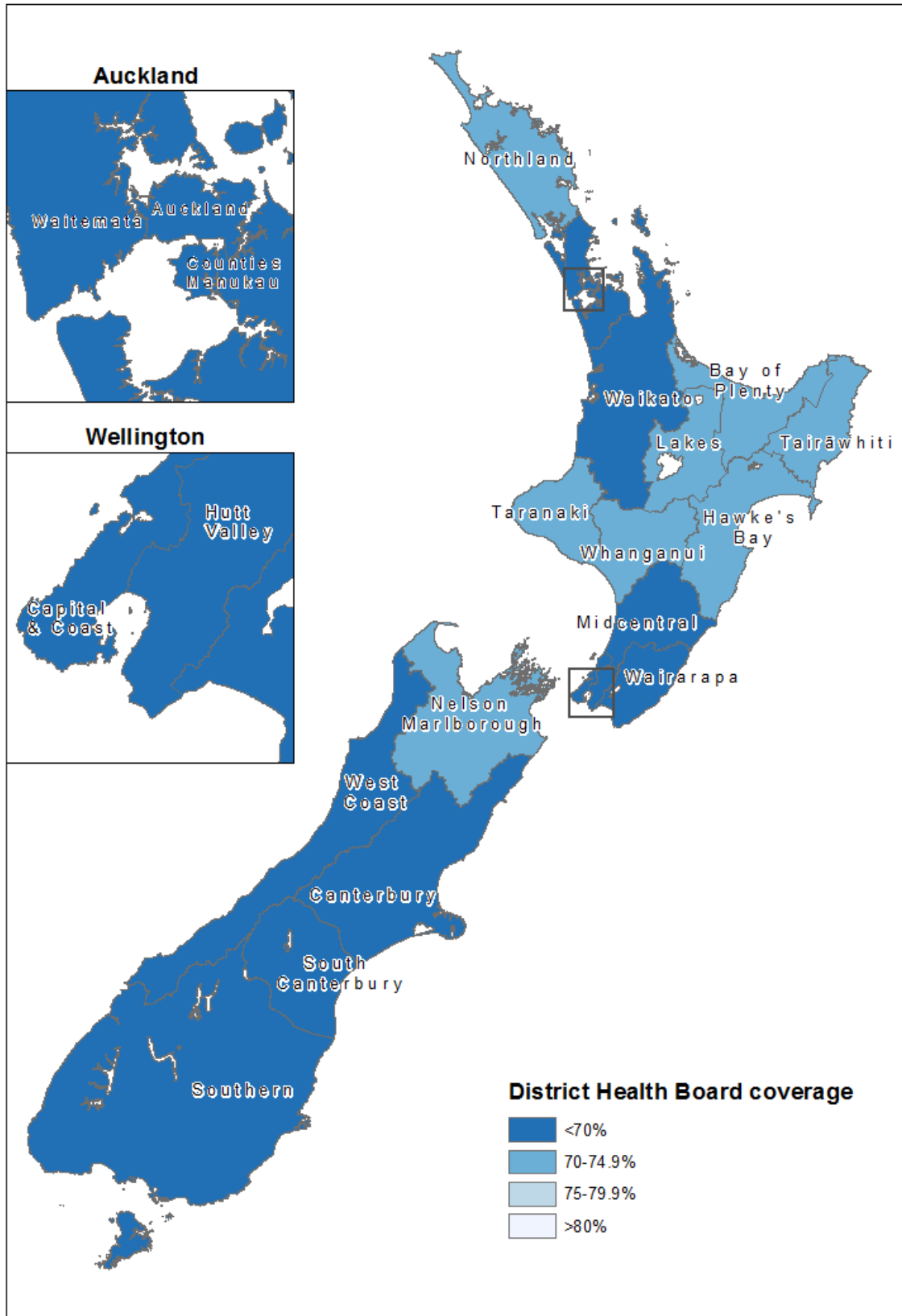


Figure 8: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 30 June 2019

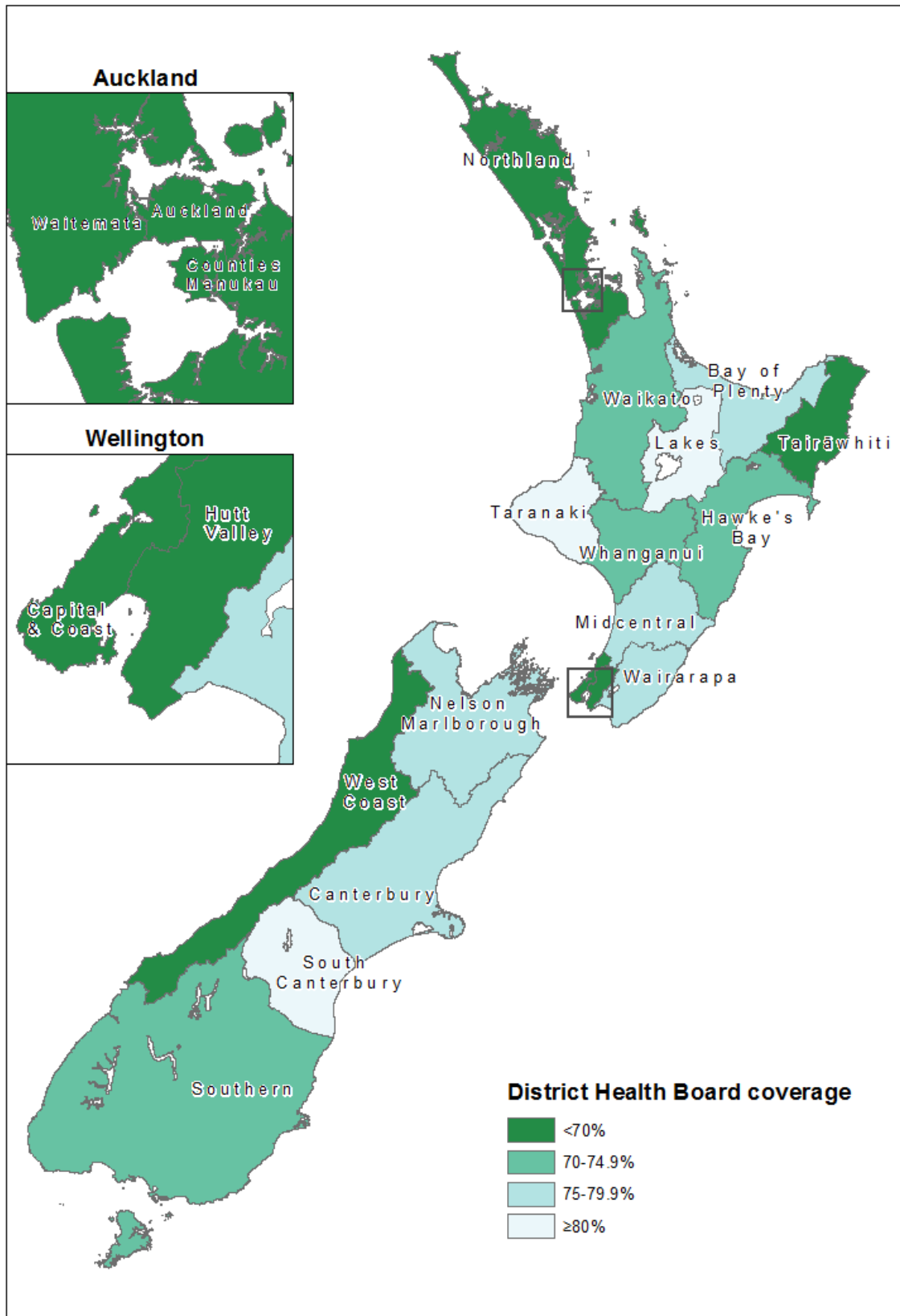


Figure 9: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 June 2019 by District Health Board

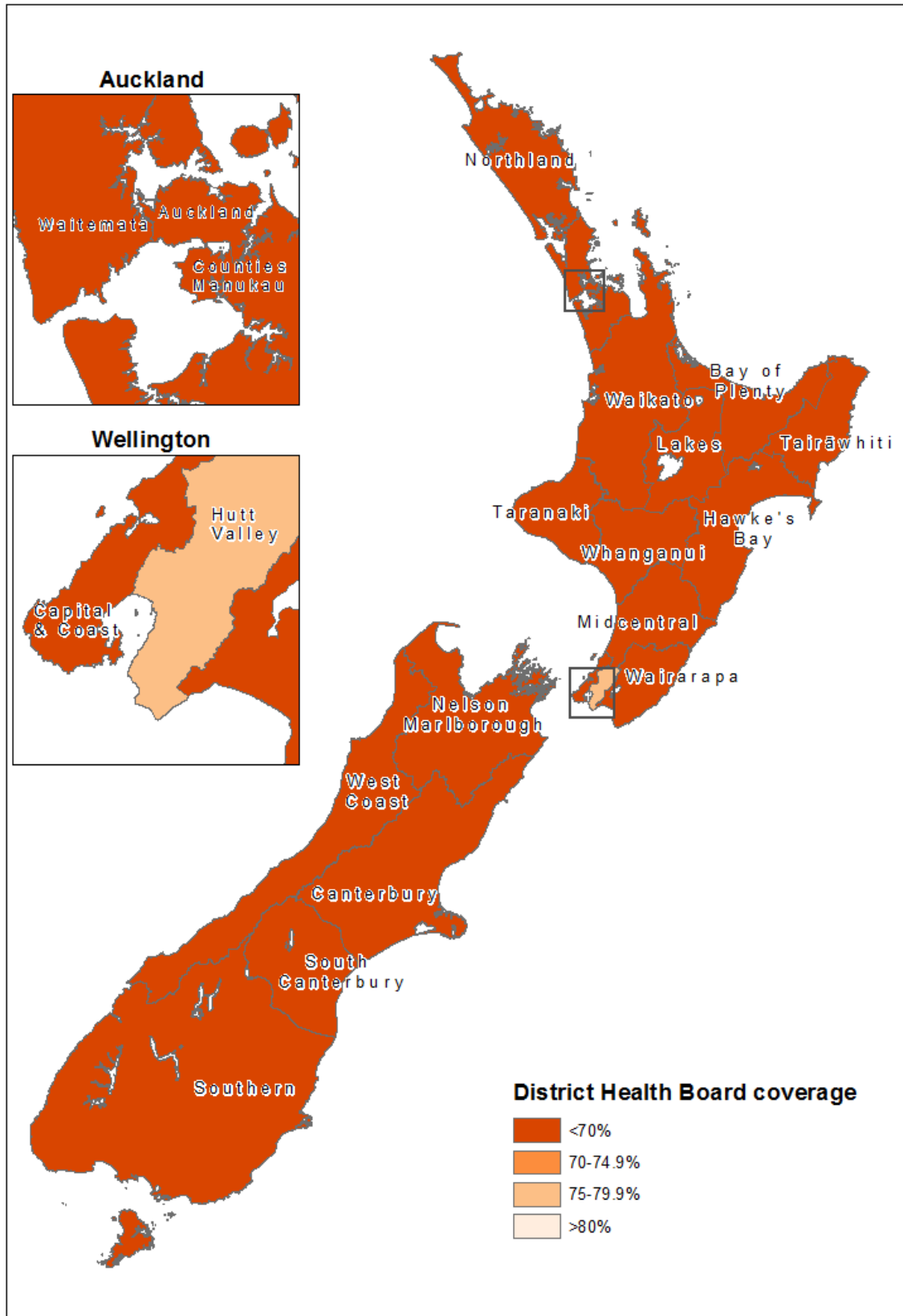


Figure 10: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2019 by District Health Board

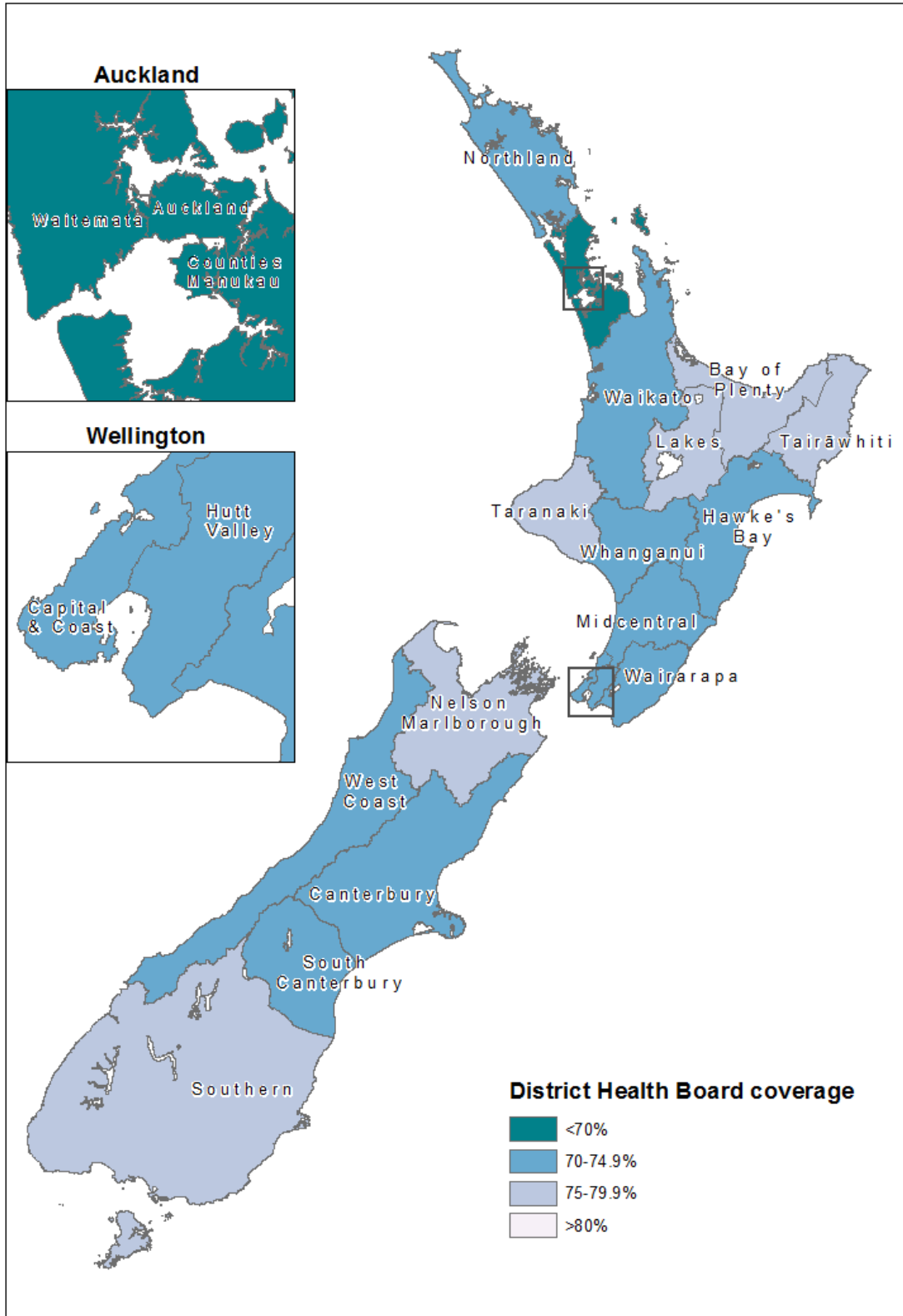


Table 2: NCSP number of screens and coverage (%) in women aged 25–69 years in the three years ending 30 June 2019 by District Health Board

DHB	Eligible Population					Screens					Coverage				
	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total
Northland	13,662	844	2,553	28,864	45,923	9,726	535	1,386	21,515	33,162	71.2%	63.4%	54.3%	74.5%	72.2%
Waitemata	13,997	10,783	44,185	105,057	174,022	8,406	6,698	30,244	75,627	120,975	60.1%	62.1%	68.4%	72.0%	69.5%
Auckland	11,203	14,483	58,882	74,805	159,373	5,663	8,594	29,478	55,649	99,384	50.5%	59.3%	50.1%	74.4%	62.4%
Counties Manukau	20,443	28,748	44,248	58,222	151,661	12,580	19,568	29,309	39,001	100,458	61.5%	68.1%	66.2%	67.0%	66.2%
Waikato	21,197	2,897	12,394	71,230	107,718	14,520	2,072	8,122	55,108	79,822	68.5%	71.5%	65.5%	77.4%	74.1%
Lakes	8,869	561	2,969	16,122	28,521	6,580	477	1,537	13,003	21,597	74.2%	85.0%	51.8%	80.7%	75.7%
Bay of Plenty	13,376	902	5,426	42,339	62,043	9,713	676	3,027	35,390	48,806	72.6%	74.9%	55.8%	83.6%	78.7%
Tairāwhiti	5,803	267	408	5,984	12,462	4,221	182	261	4,702	9,366	72.7%	68.2%	64.0%	78.6%	75.2%
Taranaki	4,820	315	1,675	24,374	31,184	3,586	255	1,088	19,624	24,553	74.4%	81.0%	65.0%	80.5%	78.7%
Hawke's Bay	9,495	1,203	2,580	29,352	42,630	7,054	900	1,515	21,992	31,461	74.3%	74.8%	58.7%	74.9%	73.8%
Whanganui	3,868	334	907	11,230	16,339	2,734	243	459	8,473	11,909	70.7%	72.8%	50.6%	75.4%	72.9%
MidCentral	7,763	1,069	4,363	32,468	45,663	5,016	829	2,471	25,278	33,594	64.6%	77.5%	56.6%	77.9%	73.6%
Hutt Valley	5,874	2,769	5,471	26,555	40,669	3,991	1,873	4,121	19,692	29,677	67.9%	67.6%	75.3%	74.2%	73.0%
Capital and Coast	8,917	5,509	14,955	58,609	87,990	5,459	3,569	8,928	46,892	64,848	61.2%	64.8%	59.7%	80.0%	73.7%
Wairarapa	1,700	173	447	9,532	11,852	1,173	138	271	7,118	8,700	69.0%	79.8%	60.6%	74.7%	73.4%
Nelson Marlborough	3,464	494	2,286	33,615	39,859	2,510	390	1,444	26,804	31,148	72.5%	78.9%	63.2%	79.7%	78.1%
West Coast	915	99	352	7,200	8,566	625	66	211	5,261	6,163	68.3%	66.7%	59.9%	73.1%	71.9%
Canterbury	10,842	2,996	17,235	117,329	148,402	7,352	2,336	11,841	86,006	107,535	67.8%	78.0%	68.7%	73.3%	72.5%
South Canterbury	1,093	125	702	13,351	15,271	682	131	482	9,978	11,273	62.4%	104.8%	68.7%	74.7%	73.8%
Southern	7,036	1,376	7,299	69,494	85,205	4,878	1,021	3,553	54,718	64,170	69.3%	74.2%	48.7%	78.7%	75.3%
National	174,337	75,947	229,337	835,732	1,315,353	116,469	50,553	139,748	631,831	938,601	66.8%	66.6%	60.9%	75.6%	71.4%

DHB coverage comparison trends by ethnicity

Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June, 2017, 2018, 2019, by ethnicity and District Health Board

DHB	Māori			Pacific			Asian			Other		
	Jun-17	Jun-18	Jun-19	Jun-17	Jun-18	Jun-19	Jun-17	Jun-18	Jun-19	Jun-17	Jun-18	Jun-19
Northland	73.3%	72.6%	71.2%	70.9%	68.9%	63.4%	55.0%	52.1%	54.3%	79.4%	76.5%	74.5%
Waitemata	62.1%	61.3%	60.1%	69.9%	65.4%	62.1%	69.8%	67.8%	68.4%	74.0%	72.6%	72.0%
Auckland	54.7%	52.6%	50.5%	66.0%	62.9%	59.3%	51.9%	49.7%	50.1%	73.2%	73.7%	74.4%
Counties Manukau	66.3%	65.0%	61.5%	79.5%	74.9%	68.1%	68.3%	66.7%	66.2%	69.6%	68.5%	67.0%
Waikato	70.1%	69.6%	68.5%	75.9%	73.1%	71.5%	63.4%	64.5%	65.5%	78.1%	77.6%	77.4%
Lakes	71.4%	74.3%	74.2%	76.5%	82.6%	85.0%	47.8%	48.9%	51.8%	79.4%	81.4%	80.7%
Bay of Plenty	72.6%	72.6%	72.6%	72.7%	73.7%	74.9%	54.7%	55.1%	55.8%	85.6%	85.3%	83.6%
Tairāwhiti	71.1%	70.9%	72.7%	66.3%	70.1%	68.2%	54.7%	58.0%	64.0%	78.6%	78.4%	78.6%
Taranaki	75.1%	75.6%	74.4%	80.3%	87.1%	81.0%	65.9%	64.5%	65.0%	82.4%	82.1%	80.5%
Hawke's Bay	75.2%	75.6%	74.3%	71.1%	72.2%	74.8%	60.5%	59.3%	58.7%	77.5%	75.8%	74.9%
Whanganui	71.5%	71.9%	70.7%	68.7%	74.2%	72.8%	51.5%	52.2%	50.6%	77.7%	76.9%	75.4%
MidCentral	64.7%	65.5%	64.6%	73.1%	75.6%	77.5%	56.1%	56.0%	56.6%	78.2%	77.6%	77.9%
Hutt Valley	66.3%	67.5%	67.9%	67.6%	66.9%	67.6%	75.9%	74.2%	75.3%	75.5%	75.0%	74.2%
Capital and Coast	61.5%	61.3%	61.2%	62.2%	64.5%	64.8%	59.6%	59.5%	59.7%	78.3%	79.5%	80.0%
Wairarapa	74.4%	70.3%	69.0%	91.2%	83.9%	79.8%	67.8%	63.2%	60.6%	79.7%	76.7%	74.7%
Nelson Marlborough	74.4%	73.9%	72.5%	69.0%	73.4%	78.9%	61.0%	62.5%	63.2%	82.0%	80.9%	79.7%
West Coast	72.5%	69.6%	68.3%	59.6%	66.3%	66.7%	51.9%	56.1%	59.9%	75.0%	74.2%	73.1%
Canterbury	68.1%	67.1%	67.8%	75.4%	77.1%	78.0%	62.8%	65.5%	68.7%	74.6%	74.0%	73.3%
South Canterbury	66.2%	64.2%	62.4%	105.0%	99.2%	104.8%	63.7%	66.9%	68.7%	77.1%	76.8%	74.7%
Southern	70.7%	70.2%	69.3%	79.0%	77.7%	74.2%	48.0%	47.2%	48.7%	79.2%	78.6%	78.7%
Total	68.3%	67.9%	66.8%	73.0%	70.3%	66.6%	61.5%	60.4%	60.9%	76.8%	76.2%	75.6%