

NCSP New Zealand Counties Manukau District Health Board Coverage Report

For the period ending
31 December 2017



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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, and Asian 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 data for the period ending 31 December 2017 was extracted from the Ministry of Health NCSP Datamart on 23 January 2018.

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 2016 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.

Counties Manukau coverage

Counties Manukau coverage by ethnicity in the three years ending 31 December 2017

Figure 1: NCSP coverage (%) in the three years ending 31 December 2017 by ethnicity, women aged 25–69 years, Total Coverage

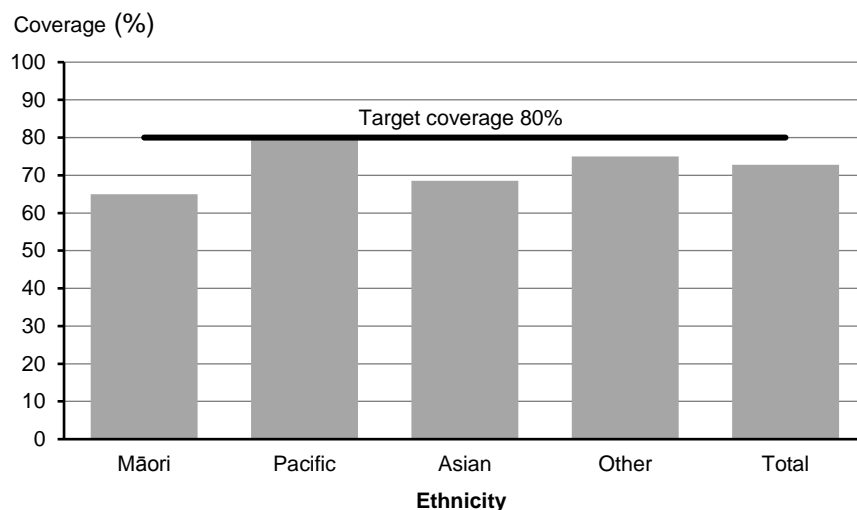


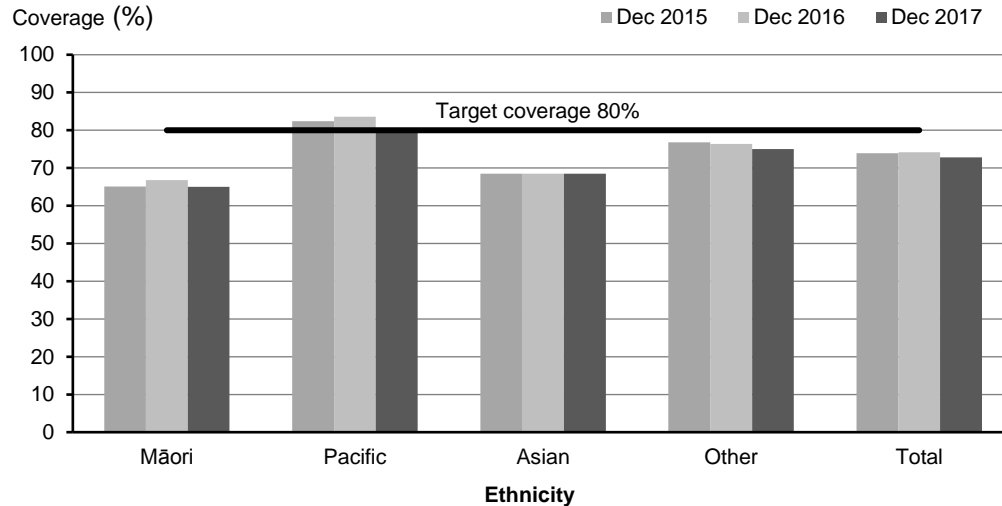
Table 1: NCSP coverage (%) in the three years ending 31 December 2017 by ethnicity, women aged 25–69 years, Total Coverage

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach target*
Māori	19,716	12,810	65.00%	2,962
Pacific	26,255	21,069	80.20%	
Asian	39,850	27,311	68.50%	4,569
Other	54,894	41,181	75.00%	2,734
Total	140,715	102,371	72.80%	10,201

*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%.

Counties Manukau coverage trends by ethnicity

Figure 2: NCSP coverage (%) of women aged 25–69 years in the three years ending 31 December 2017 by ethnicity, Total Coverage



DHB coverage comparisons

DHB coverage by ethnicity in the three years ending 31 December 2017

Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 31 December 2017 by District Health Board

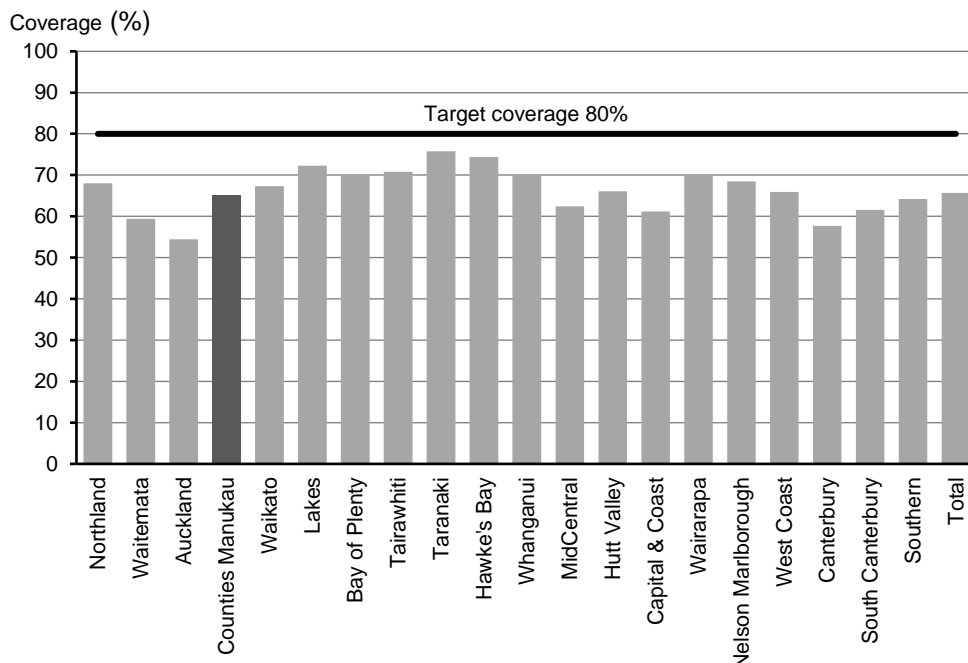


Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 31 December 2017 by District Health Board

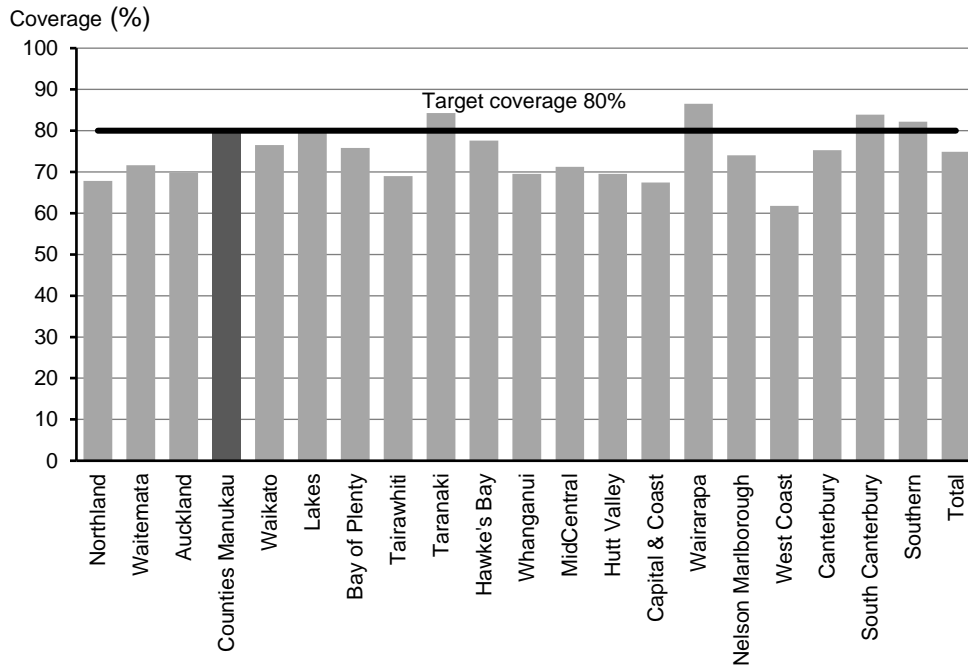


Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 31 December 2017 by District Health Board

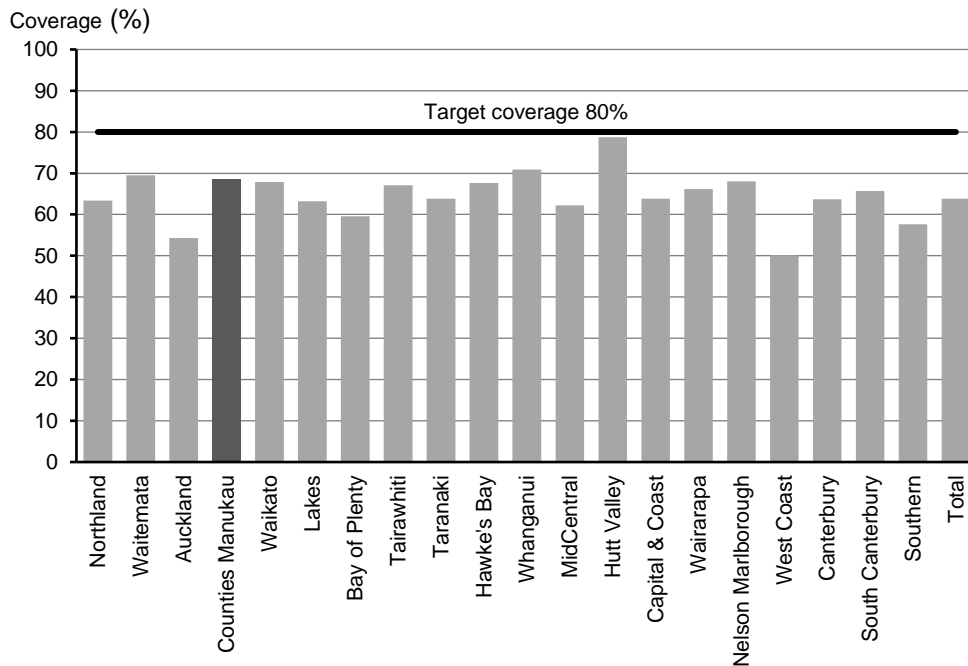


Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 31 December 2017 by District Health Board

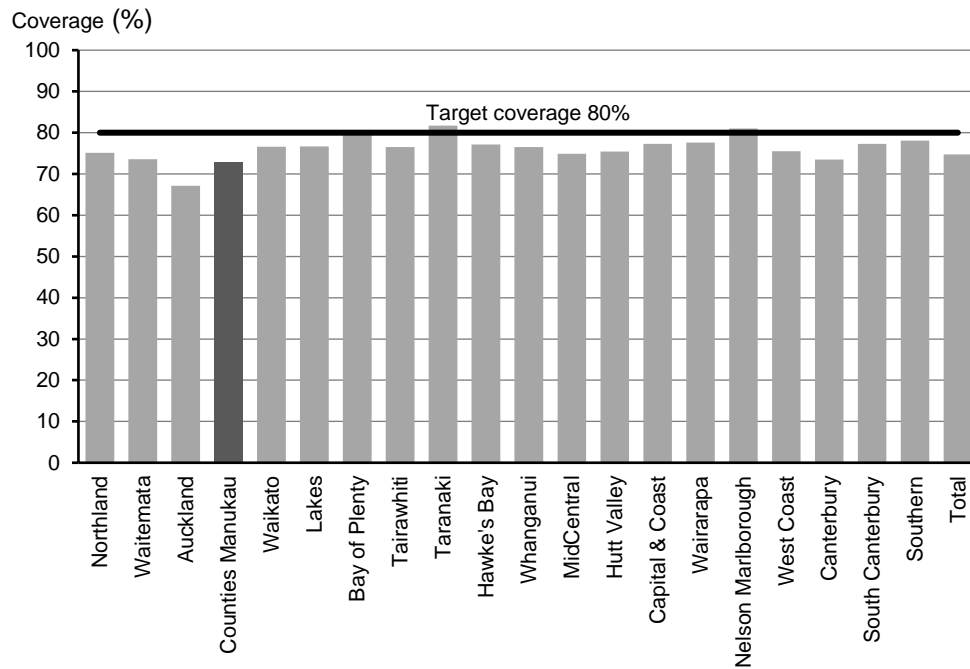


Figure 7: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 31 December 2017

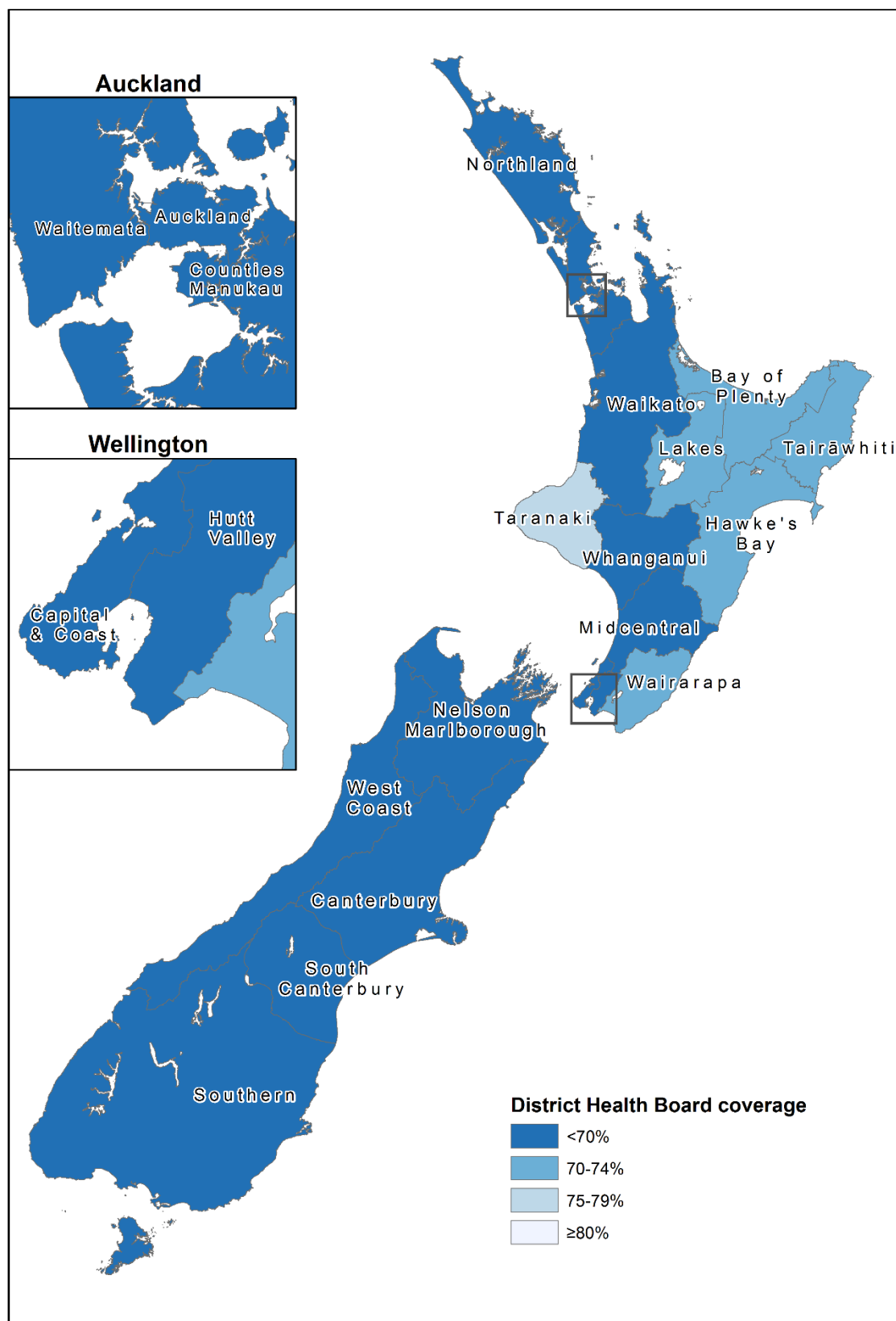


Figure 8: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 31 December 2017

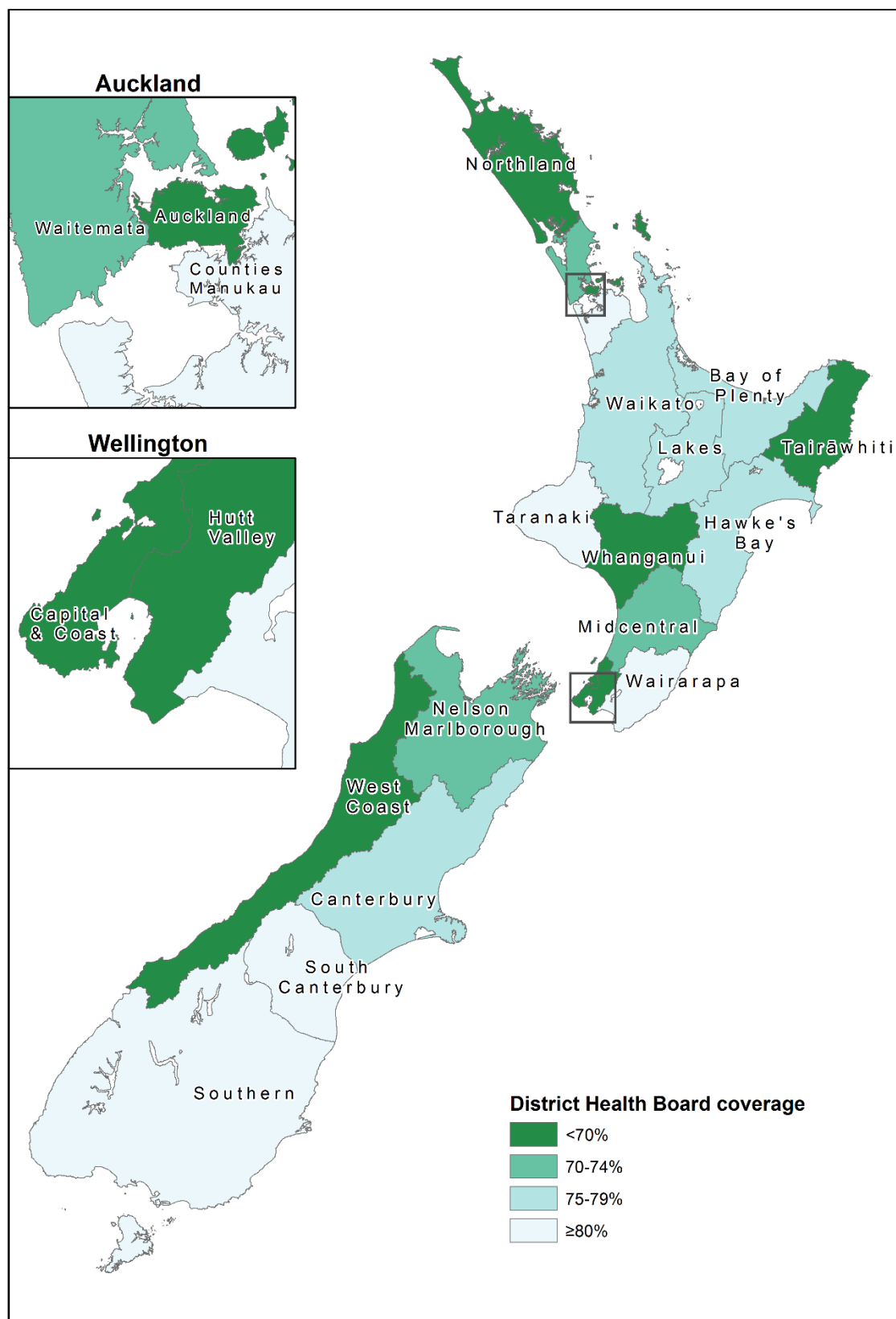


Figure 9: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 31 December 2017 by District Health Board

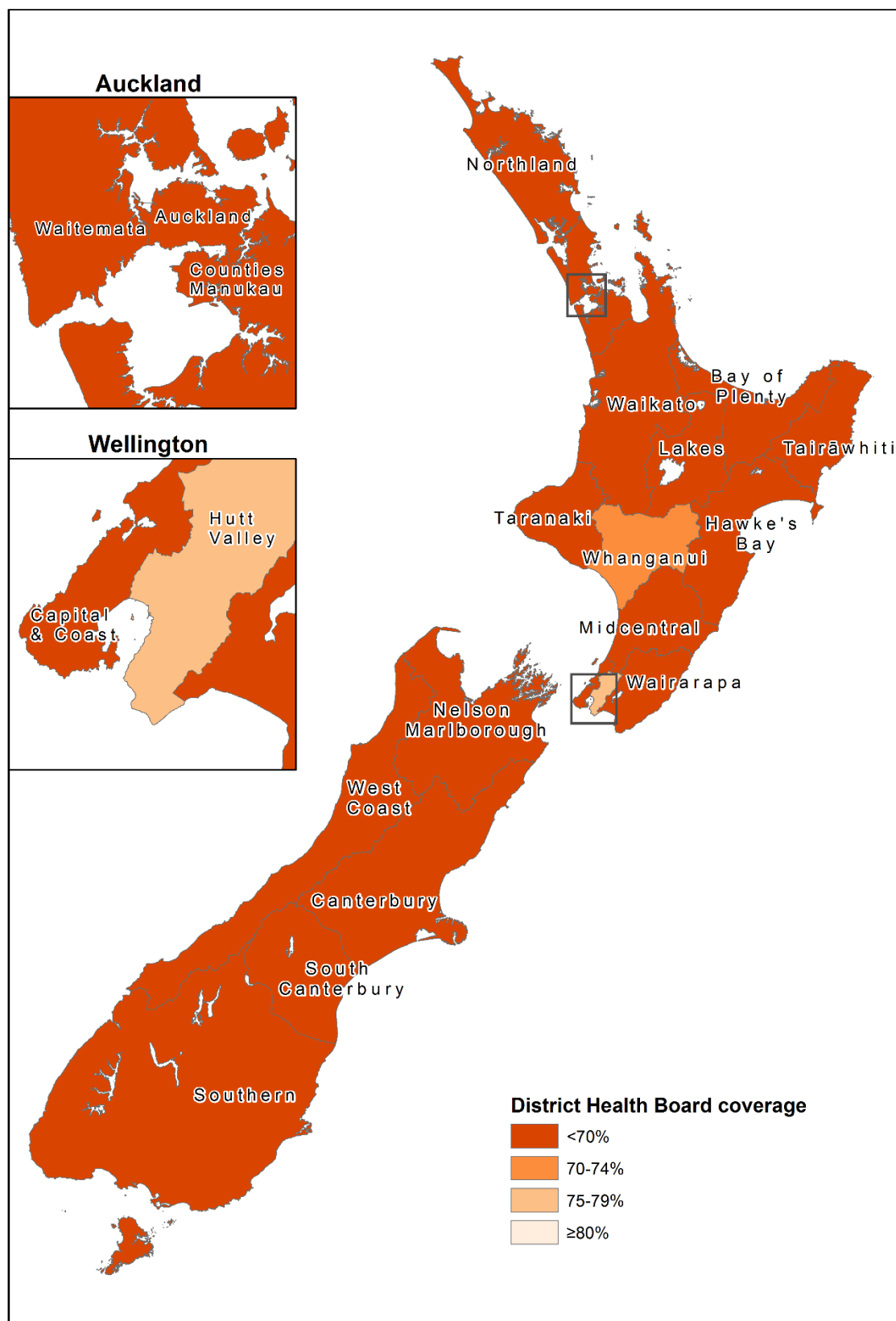


Figure 10: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 31 December 2017 by District Health Board

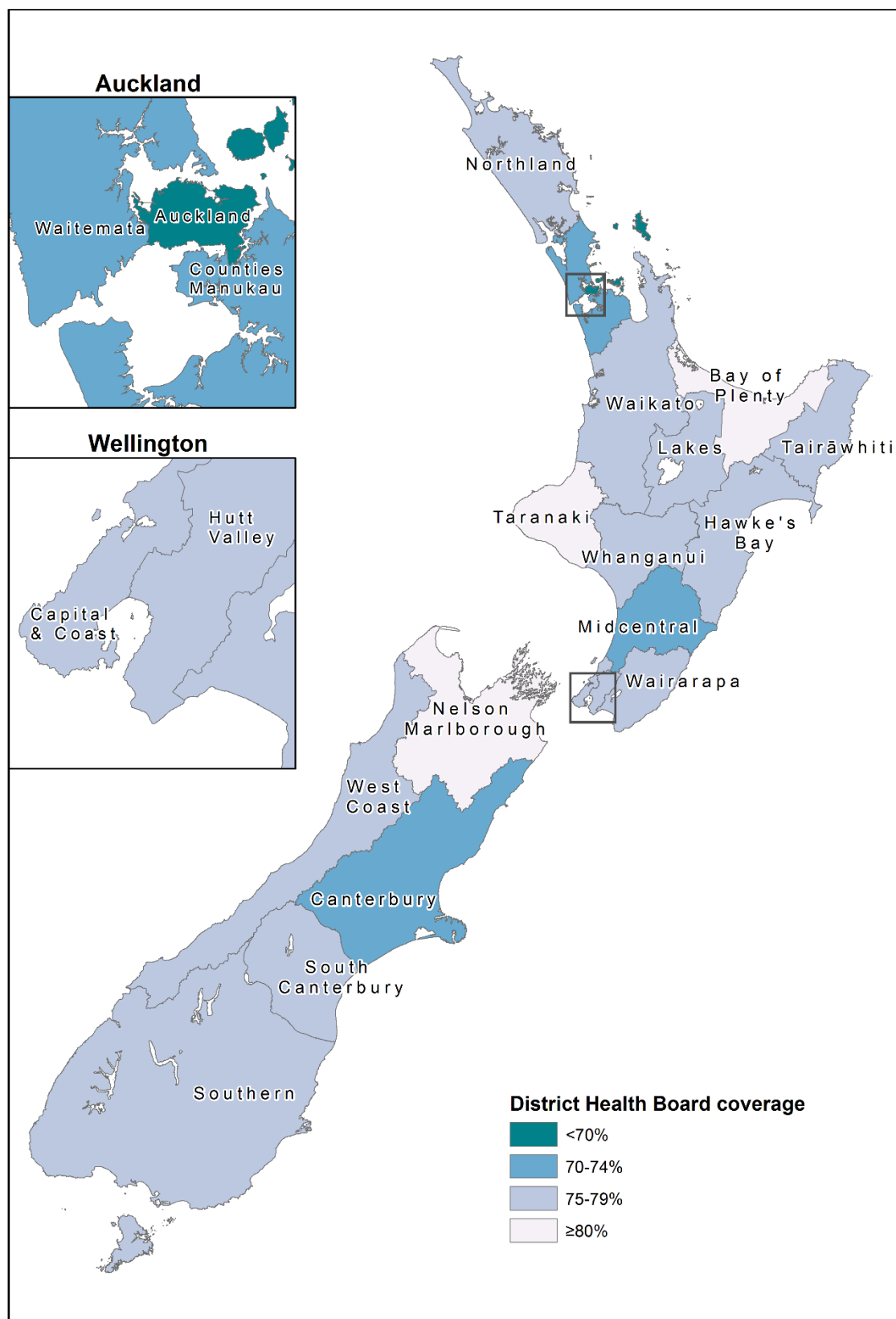


Table 2: NCSP number of screens and coverage (%) in women aged 25–69 years in the three years ending 31 December 2017 by District Health Board

DHB	Eligible Population					Screens					Coverage				
	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total	Māori	Pacific	Asian	Other	Total
Northland	13,287	738	1,920	27,112	43,057	9,040	500	1,217	21,571	32,328	68.0%	67.8%	63.4%	79.6%	75.1%
Waitemata	13,405	9,883	39,404	100,455	163,147	7,969	7,074	27,375	77,715	120,133	59.4%	71.6%	69.5%	77.4%	73.6%
Auckland	10,449	13,150	51,635	74,359	149,593	5,684	9,176	28,062	57,431	100,353	54.4%	69.8%	54.3%	77.2%	67.1%
Counties Manukau	19,716	26,255	39,850	54,894	140,715	12,810	21,069	27,311	41,181	102,371	65.0%	80.2%	68.5%	75.0%	72.8%
Waikato	20,318	2,544	10,285	68,718	101,865	13,680	1,947	6,982	55,407	78,016	67.3%	76.5%	67.9%	80.6%	76.6%
Lakes	8,574	542	2,048	16,111	27,275	6,197	433	1,294	13,002	20,926	72.3%	79.9%	63.2%	80.7%	76.7%
Bay of Plenty	12,764	831	4,368	40,588	58,551	8,979	630	2,603	34,906	47,118	70.3%	75.8%	59.6%	86.0%	80.5%
Tairāwhiti	5,696	245	353	5,630	11,924	4,032	169	237	4,679	9,117	70.8%	69.0%	67.1%	83.1%	76.5%
Taranaki	4,666	280	1,612	23,360	29,918	3,538	236	1,028	19,649	24,451	75.8%	84.3%	63.8%	84.1%	81.7%
Hawke's Bay	9,305	1,133	2,074	28,181	40,693	6,923	879	1,401	22,191	31,394	74.4%	77.6%	67.6%	78.7%	77.1%
Whanganui	3,722	315	553	10,759	15,349	2,604	219	392	8,534	11,749	70.0%	69.5%	70.9%	79.3%	76.5%
MidCentral	7,438	995	3,479	31,343	43,255	4,638	708	2,163	24,879	32,388	62.4%	71.2%	62.2%	79.4%	74.9%
Hutt Valley	5,667	2,584	4,780	25,630	38,661	3,745	1,797	3,764	19,834	29,140	66.1%	69.5%	78.7%	77.4%	75.4%
Capital & Coast	8,354	5,049	12,915	56,770	83,088	5,113	3,401	8,239	47,448	64,201	61.2%	67.4%	63.8%	83.6%	77.3%
Wairarapa	1,652	163	364	8,858	11,037	1,160	141	241	7,024	8,566	70.2%	86.5%	66.2%	79.3%	77.6%
Nelson Marlborough	3,338	470	1,894	32,479	38,181	2,288	348	1,287	26,991	30,914	68.5%	74.0%	68.0%	83.1%	81.0%
West Coast	886	89	387	7,033	8,395	584	55	194	5,506	6,339	65.9%	61.8%	50.1%	78.3%	75.5%
Canterbury	10,503	2,829	15,112	112,880	141,324	6,062	2,129	9,621	86,094	103,906	57.7%	75.3%	63.7%	76.3%	73.5%
South Canterbury	1,054	118	633	13,172	14,977	649	99	416	10,418	11,582	61.6%	83.9%	65.7%	79.1%	77.3%
Southern	6,685	1,184	5,308	66,977	80,154	4,291	973	3,059	54,296	62,619	64.2%	82.2%	57.6%	81.1%	78.1%
Total	167,479	69,397	198,974	805,309	1,241,159	109,986	51,983	126,886	638,756	927,611	65.7%	74.9%	63.8%	79.3%	74.7%

DHB coverage comparison trends by ethnicity

Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 31 December, 2015, 2016, 2017, by ethnicity and District Health Board

DHB	Māori			Pacific			Asian			Other		
	Dec-15	Dec-16	Dec-17	Dec-15	Dec-16	Dec-17	Dec-15	Dec-16	Dec-17	Dec-15	Dec-16	Dec-17
Northland	70.5%	70.6%	68.0%	68.6%	70.8%	67.8%	61.0%	61.7%	63.4%	83.8%	82.0%	79.6%
Waitemata	61.5%	61.0%	59.4%	75.3%	74.3%	71.6%	70.8%	70.2%	69.5%	80.1%	79.0%	77.4%
Auckland	55.8%	56.1%	54.4%	71.5%	71.3%	69.8%	57.2%	56.2%	54.3%	77.3%	77.5%	77.2%
Counties Manukau	65.1%	66.8%	65.0%	82.4%	83.6%	80.2%	68.5%	68.5%	68.5%	76.8%	76.4%	75.0%
Waikato	67.3%	67.6%	67.3%	80.1%	79.9%	76.5%	63.6%	65.4%	67.9%	82.1%	81.5%	80.6%
Lakes	71.3%	71.6%	72.3%	75.4%	78.4%	79.9%	59.5%	61.2%	63.2%	82.3%	81.2%	80.7%
Bay of Plenty	72.5%	71.0%	70.3%	75.3%	72.9%	75.8%	60.1%	59.0%	59.6%	89.3%	87.6%	86.0%
Tairāwhiti	70.3%	70.7%	70.8%	64.4%	63.1%	69.0%	57.0%	62.0%	67.1%	81.7%	81.9%	83.1%
Taranaki	75.8%	76.2%	75.8%	74.6%	79.5%	84.3%	63.1%	63.6%	63.8%	85.1%	84.6%	84.1%
Hawke's Bay	75.7%	75.0%	74.4%	74.0%	73.8%	77.6%	64.6%	65.6%	67.6%	81.5%	79.9%	78.7%
Whanganui	72.5%	72.0%	70.0%	63.7%	69.1%	69.5%	67.7%	70.6%	70.9%	82.2%	80.8%	79.3%
MidCentral	64.7%	63.1%	62.4%	72.4%	71.8%	71.2%	61.4%	61.4%	62.2%	81.3%	80.0%	79.4%
Hutt Valley	68.4%	68.3%	66.1%	73.6%	73.4%	69.5%	77.7%	78.7%	78.7%	79.2%	78.7%	77.4%
Capital & Coast	62.3%	63.0%	61.2%	67.9%	67.5%	67.4%	64.1%	63.9%	63.8%	82.5%	82.6%	83.6%
Wairarapa	71.7%	71.4%	70.2%	83.0%	90.4%	86.5%	67.6%	66.7%	66.2%	83.1%	80.8%	79.3%
Nelson Marlborough	69.2%	68.9%	68.5%	69.4%	70.7%	74.0%	62.8%	64.9%	68.0%	86.2%	84.4%	83.1%
West Coast	65.3%	66.4%	65.9%	56.8%	54.0%	61.8%	44.4%	47.8%	50.1%	76.9%	77.9%	78.3%
Canterbury	61.2%	59.8%	57.7%	73.5%	74.5%	75.3%	57.8%	60.5%	63.7%	78.6%	77.5%	76.3%
South Canterbury	65.9%	63.9%	61.6%	83.8%	96.6%	83.9%	59.3%	61.4%	65.7%	79.8%	80.0%	79.1%
Southern	65.2%	64.7%	64.2%	78.7%	78.1%	82.2%	54.6%	55.6%	57.6%	82.0%	81.5%	81.1%
Total	67.0%	66.9%	65.7%	76.5%	76.9%	74.9%	63.9%	63.9%	63.8%	81.0%	80.2%	79.3%