



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

For the period ending 30 June 2016

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# Contents

Introduction.....	2
Technical notes.....	3
Northland coverage .....	4
Northland coverage by ethnicity in the three years ending 30 June 2016.....	4
Northland coverage trends by ethnicity .....	5
DHB coverage comparisons .....	5
DHB coverage by ethnicity in the three years ending 30 June 2016.....	5
DHB coverage comparison trends by ethnicity .....	9
<b>List of tables</b>	
Table 1: NCSP coverage (%) in the three years ending 30 June 2016 by ethnicity, women aged 25–69 years, Total Coverage.....	4
Table 2: NCSP number of screens and coverage (%) in women aged 25–69 years in the three years ending 30 June 2016 by District Health Board.....	8
Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2014, 2015, 2016, by ethnicity and District Health Board .....	9
<b>List of figures</b>	
Figure 1: NCSP coverage (%) in the three years ending 30 June 2016 by ethnicity, women aged 25–69 years, Total Coverage.....	4
Figure 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2016 by ethnicity, Total Coverage .....	5
Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 30 June 2016 by District Health Board.....	5
Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 30 June 2016 by District Health Board.....	6
Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 June 2016 by District Health Board.....	6
Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2016 by District Health Board.....	7

## 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 data for the period ending 30 June 2016 was extracted from the Ministry of Health NCSP Datamart on 12 August 2016.

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.

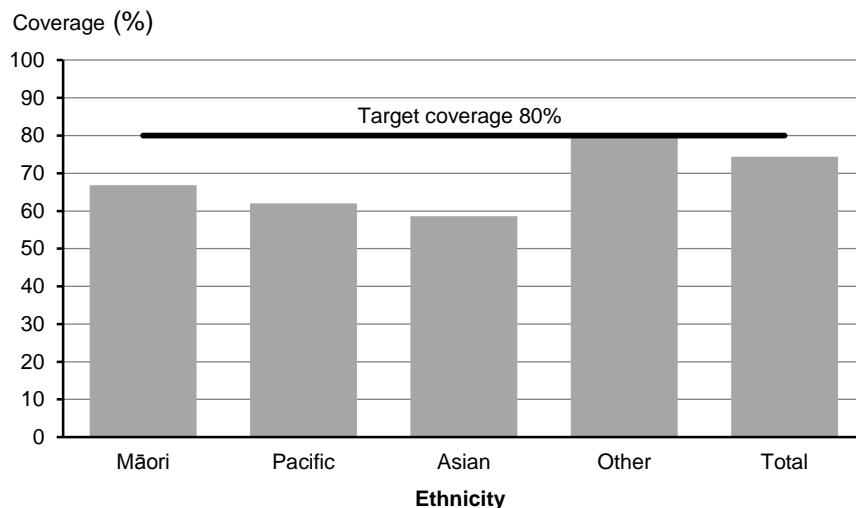
The denominators used for calculating coverage are derived from Statistics New Zealand’s District Health Board (DHB) population projections 30 June 2015 update based on the 2013 Census. The population projections have been adjusted for the prevalence of hysterectomy.

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

## Northland coverage

### Northland coverage by ethnicity in the three years ending 30 June 2016

**Figure 1: NCSP coverage (%) in the three years ending 30 June 2016 by ethnicity, women aged 25–69 years, Total Coverage**



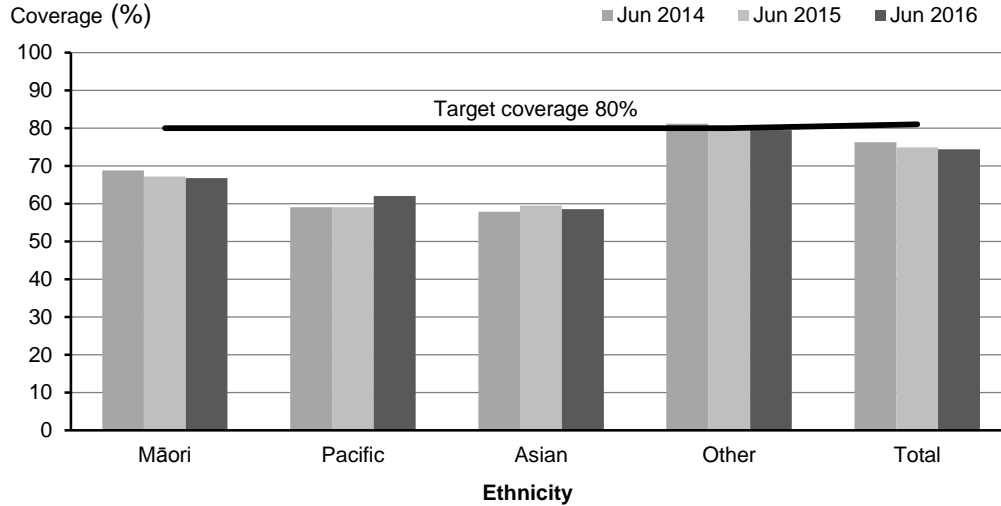
**Table 1: NCSP coverage (%) in the three years ending 30 June 2016 by ethnicity, women aged 25–69 years, Total Coverage**

Ethnicity	Population	Women screened in last 3 years	3-year coverage	Additional screens to reach target*
Māori	12,856	8,588	66.80%	1,696
Pacific	684	424	62.00%	123
Asian	1,733	1,015	58.60%	371
Other	26,628	21,165	79.50%	137
<b>Total</b>	<b>41,901</b>	<b>31,192</b>	<b>74.40%</b>	<b>2,328</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

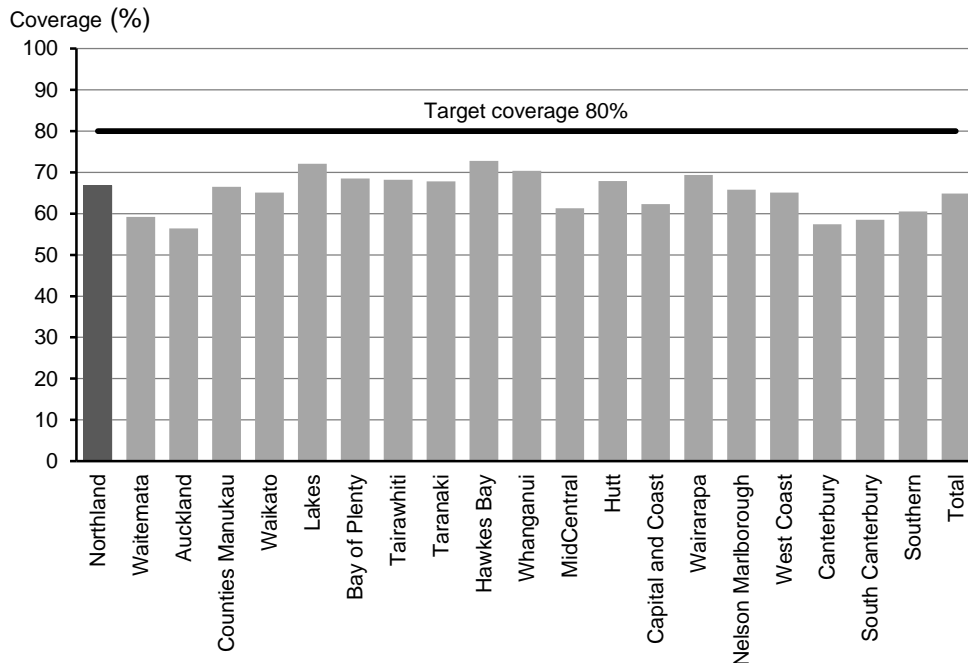
**Figure 2: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2016 by ethnicity, Total Coverage**



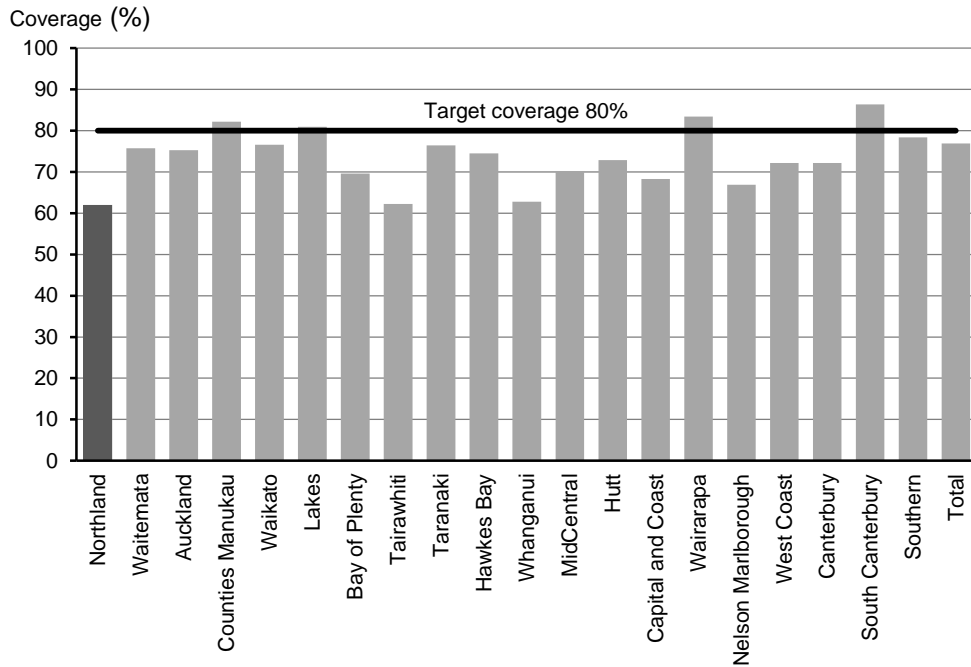
## DHB coverage comparisons

### DHB coverage by ethnicity in the three years ending 30 June 2016

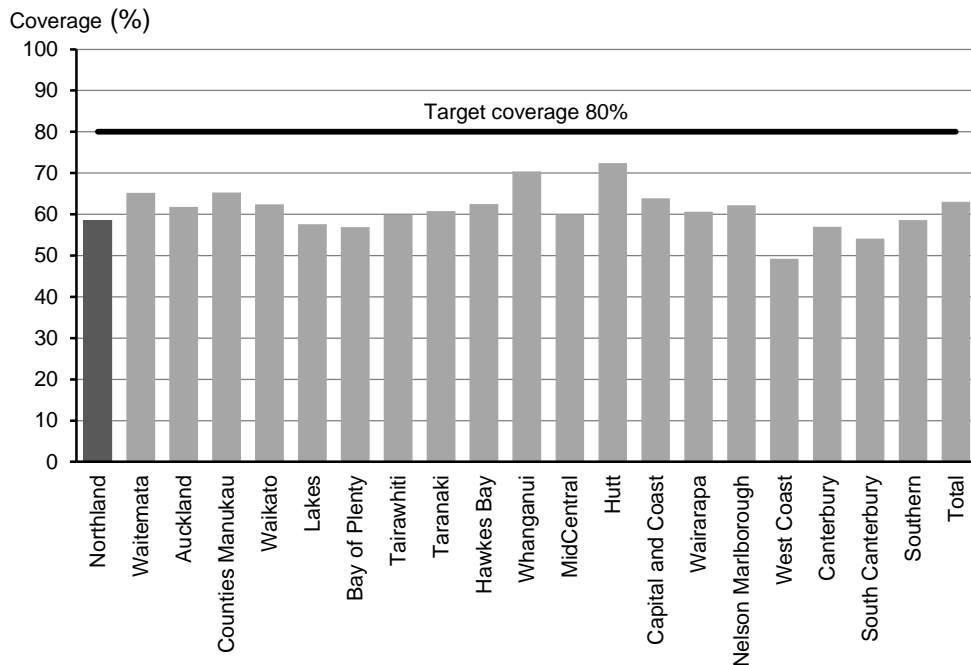
**Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 30 June 2016 by District Health Board**



**Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 30 June 2016 by District Health Board**

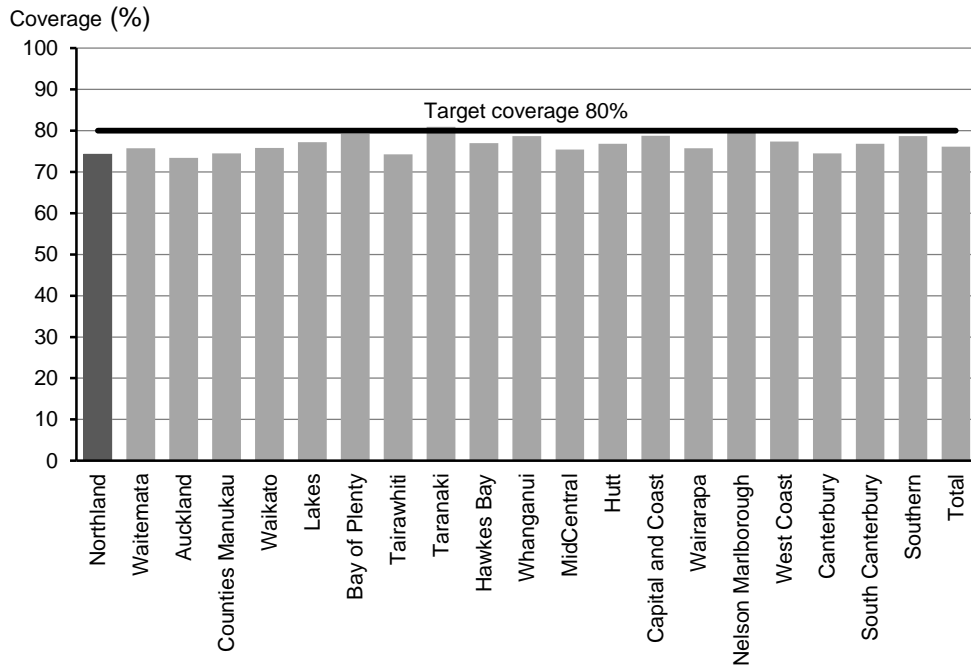


**Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 June 2016 by District Health Board**





**Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2016 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 2016 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	12,856	684	1,733	26,628	41,901	8,588	424	1,015	21,165	31,192	66.8%	62.0%	58.6%	79.5%	74.4%
Waitemata	12,852	9,488	36,650	97,379	156,369	7,608	7,183	23,911	79,671	118,373	59.2%	75.7%	65.2%	81.8%	75.7%
Auckland	10,078	12,781	45,449	71,731	140,039	5,689	9,626	28,071	59,445	102,831	56.4%	75.3%	61.8%	82.9%	73.4%
Counties Manukau	18,848	25,193	37,591	53,772	135,404	12,542	20,709	24,555	43,112	100,918	66.5%	82.2%	65.3%	80.2%	74.5%
Waikato	19,606	2,398	9,416	67,118	98,538	12,764	1,836	5,876	54,169	74,645	65.1%	76.6%	62.4%	80.7%	75.8%
Lakes	8,340	533	1,994	15,666	26,533	6,009	431	1,148	12,886	20,474	72.1%	80.9%	57.6%	82.3%	77.2%
Bay of Plenty	12,499	807	3,836	39,443	56,585	8,563	562	2,184	33,504	44,813	68.5%	69.6%	56.9%	84.9%	79.2%
Tairāwhiti	5,501	249	349	5,675	11,774	3,754	155	209	4,635	8,753	68.2%	62.2%	59.9%	81.7%	74.3%
Taranaki	4,549	276	1,483	23,377	29,685	3,082	211	901	19,830	24,024	67.8%	76.4%	60.8%	84.8%	80.9%
Hawkes Bay	9,041	1,114	1,949	28,261	40,365	6,581	830	1,219	22,455	31,085	72.8%	74.5%	62.5%	79.5%	77.0%
Whanganui	3,603	304	524	10,799	15,230	2,538	191	369	8,895	11,993	70.4%	62.8%	70.4%	82.4%	78.7%
MidCentral	7,215	980	3,351	31,211	42,757	4,423	688	2,012	25,103	32,226	61.3%	70.2%	60.0%	80.4%	75.4%
Hutt	5,602	2,560	4,717	25,223	38,102	3,803	1,867	3,413	20,163	29,246	67.9%	72.9%	72.4%	79.9%	76.8%
Capital and Coast	7,998	5,006	12,157	56,114	81,275	4,985	3,417	7,772	47,879	64,053	62.3%	68.3%	63.9%	85.3%	78.8%
Wairarapa	1,607	157	343	8,875	10,982	1,116	131	208	6,861	8,316	69.4%	83.4%	60.6%	77.3%	75.7%
Nelson Marlborough	3,259	450	1,808	32,650	38,167	2,143	301	1,124	27,163	30,731	65.8%	66.9%	62.2%	83.2%	80.5%
West Coast	869	79	366	7,203	8,517	566	57	180	5,791	6,594	65.1%	72.2%	49.2%	80.4%	77.4%
Canterbury	9,894	2,714	13,910	110,233	136,751	5,680	1,959	7,930	86,341	101,910	57.4%	72.2%	57.0%	78.3%	74.5%
South Canterbury	1,028	110	599	13,082	14,819	601	95	324	10,365	11,385	58.5%	86.4%	54.1%	79.2%	76.8%
Southern	6,464	1,149	4,721	66,631	78,965	3,908	901	2,768	54,598	62,175	60.5%	78.4%	58.6%	81.9%	78.7%
<b>Total</b>	<b>161,709</b>	<b>67,032</b>	<b>182,946</b>	<b>791,071</b>	<b>1,202,758</b>	<b>104,943</b>	<b>51,574</b>	<b>115,189</b>	<b>644,031</b>	<b>915,737</b>	<b>64.9%</b>	<b>76.9%</b>	<b>63.0%</b>	<b>81.4%</b>	<b>76.1%</b>

## DHB coverage comparison trends by ethnicity

**Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2014, 2015, 2016, by ethnicity and District Health Board**

DHB	Māori			Pacific			Asian			Other		
	June 2014	June 2015	June 2016	June 2014	June 2015	June 2016	June 2014	June 2015	June 2016	June 2014	June 2015	June 2016
Northland	68.8%	67.2%	66.8%	59.1%	59.1%	62.0%	57.9%	59.5%	58.6%	81.2%	79.9%	79.5%
Waitemata	59.4%	59.2%	59.2%	74.6%	75.7%	75.7%	65.3%	65.4%	65.2%	82.4%	82.4%	81.8%
Auckland	56.1%	55.6%	56.4%	71.6%	72.8%	75.3%	60.6%	61.5%	61.8%	82.6%	82.3%	82.9%
Counties Manukau	63.9%	63.3%	66.5%	78.2%	78.3%	82.2%	64.3%	64.8%	65.3%	79.7%	80.4%	80.2%
Waikato	63.9%	63.9%	65.1%	76.5%	76.1%	76.6%	61.8%	61.7%	62.4%	81.4%	81.0%	80.7%
Lakes	71.3%	71.1%	72.1%	75.9%	74.3%	80.9%	54.1%	55.2%	57.6%	82.8%	80.9%	82.3%
Bay of Plenty	67.8%	68.7%	68.5%	71.1%	72.3%	69.6%	59.9%	58.3%	56.9%	87.1%	85.6%	84.9%
Tairāwhiti	68.7%	67.7%	68.2%	63.4%	61.9%	62.2%	56.7%	60.9%	59.9%	81.4%	80.1%	81.7%
Taranaki	70.3%	68.8%	67.8%	75.2%	78.4%	76.4%	60.0%	61.1%	60.8%	86.2%	85.5%	84.8%
Hawkes Bay	73.4%	72.5%	72.8%	74.6%	71.3%	74.5%	64.6%	63.2%	62.5%	81.5%	80.0%	79.5%
Whanganui	68.0%	68.7%	70.4%	63.3%	67.8%	62.8%	69.6%	67.9%	70.4%	81.3%	80.8%	82.4%
MidCentral	62.5%	61.5%	61.3%	70.4%	66.9%	70.2%	58.8%	60.3%	60.0%	80.6%	80.8%	80.4%
Hutt	67.3%	67.2%	67.9%	68.9%	71.4%	72.9%	71.9%	71.8%	72.4%	79.4%	79.8%	79.9%
Capital and Coast	63.3%	62.2%	62.3%	68.8%	67.9%	68.3%	64.6%	63.2%	63.9%	84.9%	84.3%	85.3%
Wairarapa	71.7%	69.2%	69.4%	78.9%	81.9%	83.4%	56.4%	61.9%	60.6%	80.6%	78.6%	77.3%
Nelson Marlborough	64.9%	65.6%	65.8%	64.6%	64.3%	66.9%	57.4%	60.2%	62.2%	84.0%	83.8%	83.2%
West Coast	66.3%	63.3%	65.1%	62.7%	60.9%	72.2%	45.7%	47.2%	49.2%	80.5%	80.4%	80.4%
Canterbury	60.6%	59.3%	57.4%	71.1%	71.7%	72.2%	53.5%	54.9%	57.0%	79.3%	78.7%	78.3%
South Canterbury	57.9%	59.5%	58.5%	74.5%	74.5%	86.4%	47.9%	54.3%	54.1%	77.8%	78.8%	79.2%
Southern	61.5%	60.4%	60.5%	78.6%	79.0%	78.4%	55.1%	56.3%	58.6%	82.2%	82.2%	81.9%
<b>Total</b>	<b>65.0%</b>	<b>64.4%</b>	<b>64.9%</b>	<b>74.3%</b>	<b>74.7%</b>	<b>76.9%</b>	<b>62.1%</b>	<b>62.5%</b>	<b>63.0%</b>	<b>81.9%</b>	<b>81.5%</b>	<b>81.4%</b>