

# **NCSP Wairarapa District Health Board Coverage Report**

For the period ending 30 June 2014

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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 30 June 2012, 2013 and 2014 were extracted from the National Cervical Screening Register (the Register) on 13 September 2012, 6 September 2013 and 6 August 2014 respectively.

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 denominator for calculating coverage is Statistics New Zealand's 2011 update of district health board (DHB) population projections (2006 Census base) adjusted for the prevalence of hysterectomy.

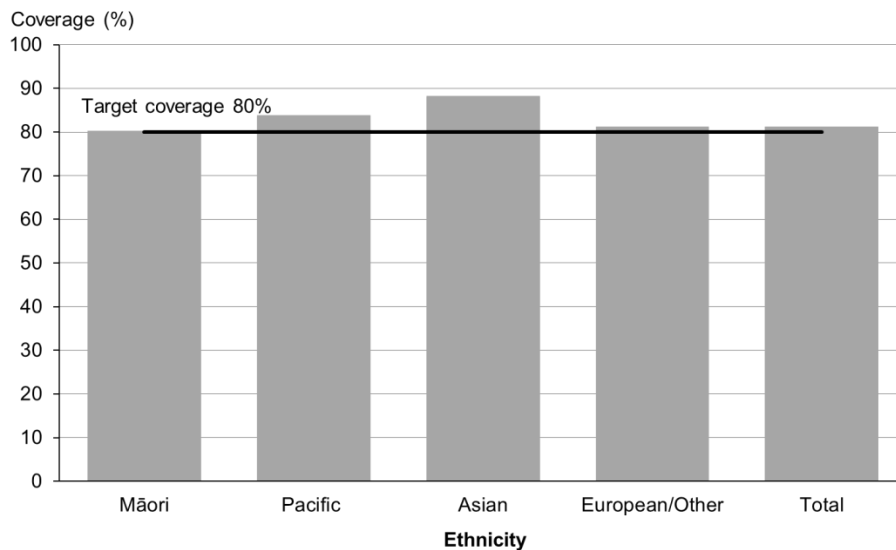
For some ethnicities coverage greater than 100% is reported for some DHBs. The 2011 Census was delayed to 2013 due to the Christchurch earthquakes. As a result, the DHB population projections are currently still based on the 2006 Census. Projections become less reliable the further they are from a Census with smaller populations and faster changing populations more impacted.

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

# Wairarapa DHB coverage

## Wairarapa DHB coverage by ethnicity in the three years ending 30 June 2014

**Figure 1: NCSP coverage (%) in the three years ending 30 June 2014 by ethnicity, women aged 25–69 years, Wairarapa District Health Board**

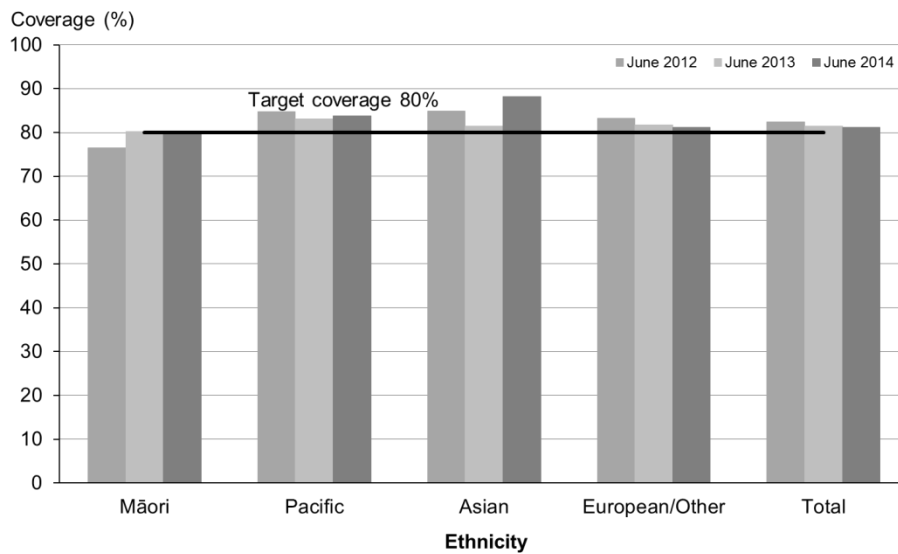


**Table 1: NCSP coverage (%) in the three years ending 30 June 2014 by ethnicity, women aged 25–69 years, Wairarapa District Health Board**

| Ethnicity      | Population | Women screened in last 3 years | 3-year coverage | Additional screens to reach 80% target |
|----------------|------------|--------------------------------|-----------------|----------------------------------------|
| Māori          | 1,280      | 1,027                          | 80.2%           |                                        |
| Pacific        | 138        | 116                            | 83.8%           |                                        |
| Asian          | 198        | 175                            | 88.2%           |                                        |
| European/Other | 8,355      | 6,778                          | 81.1%           |                                        |

## Wairarapa DHB coverage trends by ethnicity

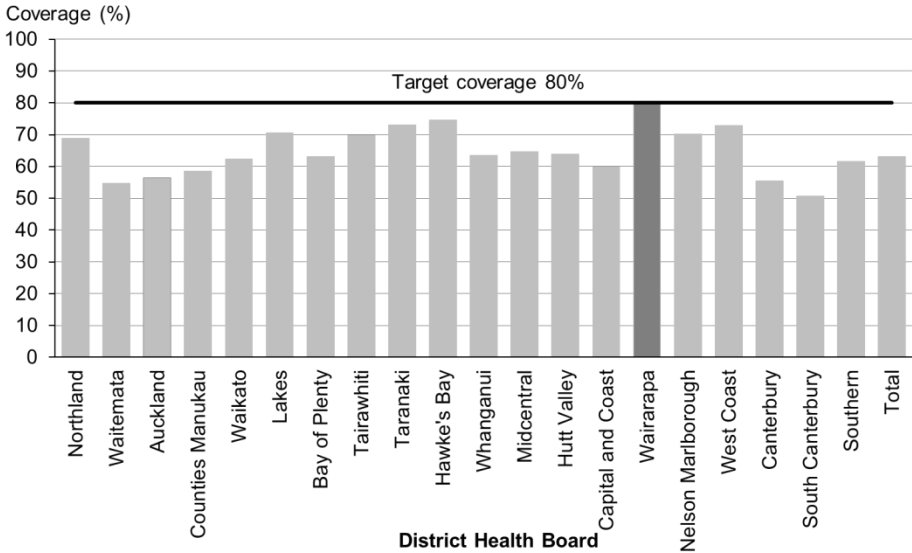
**Figure 2: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2012, 2013, and 2014 by ethnicity, Wairarapa District Health Board**



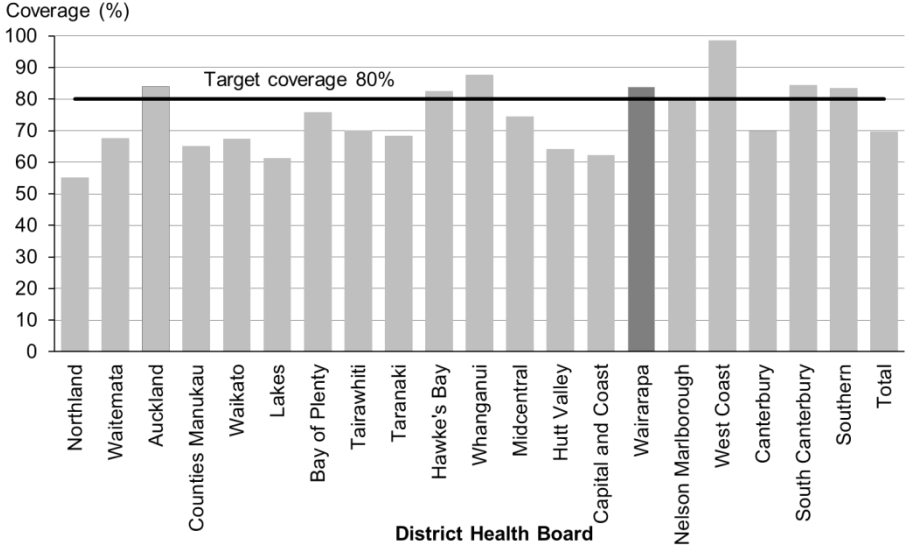
# DHB coverage comparisons

## DHB coverage by ethnicity in the three years ending 30 June 2014

**Figure 3: NCSP coverage (%) of Māori women aged 25–69 years in the three years ending 30 June 2014 by district health board**

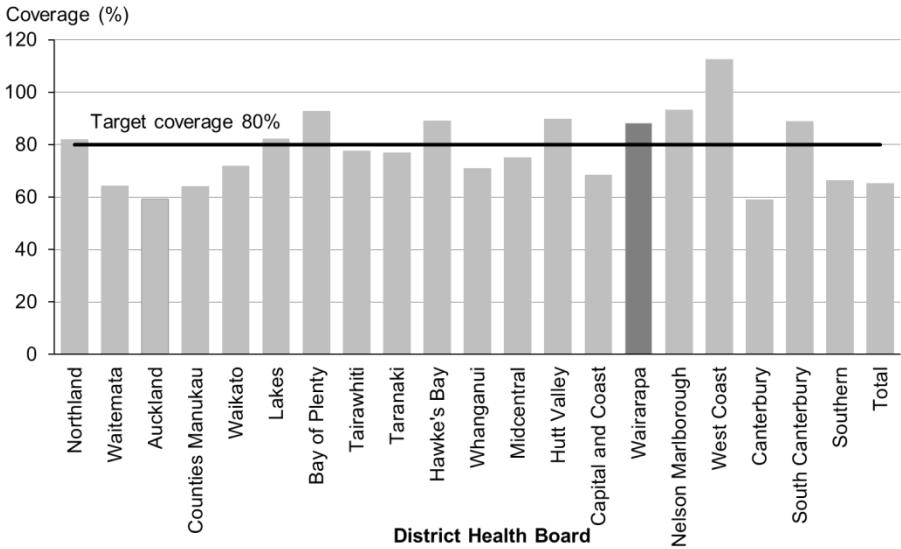


**Figure 4: NCSP coverage (%) of Pacific women aged 25–69 years in the three years ending 30 June 2014 by district health board**

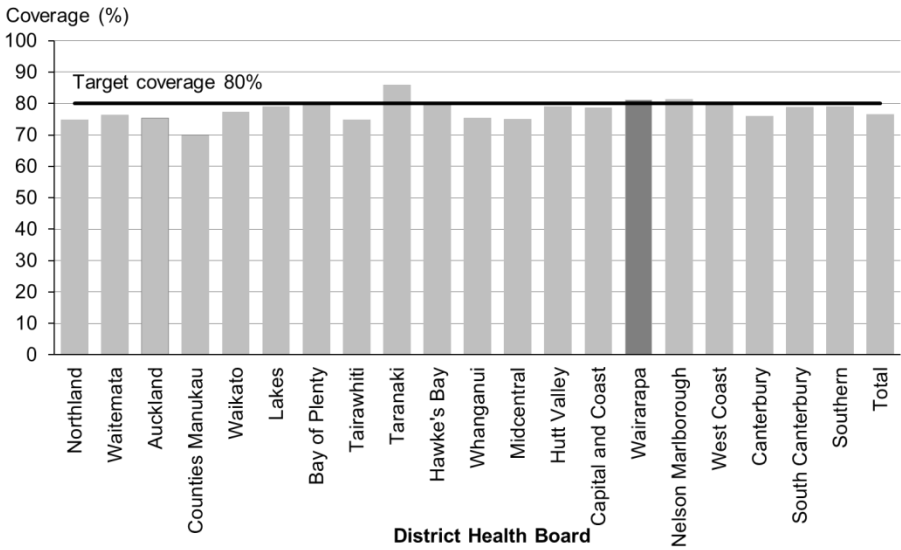




**Figure 5: NCSP coverage (%) of Asian women aged 25–69 years in the three years ending 30 June 2014 by district health board**



**Figure 6: Overall NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2014 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 2014 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          | 11,167              | 598           | 1,020          | 26,595          | 39,380           | 7,685         | 329           | 837           | 20,599          | 29,450         | 68.8%        | 55.0%        | 82.1%        | 77.5%           | 74.8%        |
| Waitemata          | 12,028              | 9,132         | 30,070         | 95,716          | 146,946          | 6,583         | 6,173         | 19,299        | 80,137          | 112,192        | 54.7%        | 67.6%        | 64.2%        | 83.7%           | 76.3%        |
| Auckland           | 9,231               | 11,573        | 42,727         | 70,362          | 133,894          | 5,214         | 9,724         | 25,329        | 60,520          | 100,787        | 56.5%        | 84.0%        | 59.3%        | 86.0%           | 75.3%        |
| Counties Manukau   | 18,518              | 26,465        | 31,264         | 54,127          | 130,373          | 10,830        | 17,229        | 20,033        | 42,849          | 90,941         | 58.5%        | 65.1%        | 64.1%        | 79.2%           | 69.8%        |
| Waikato            | 17,564              | 2,112         | 6,880          | 64,575          | 91,132           | 10,948        | 1,422         | 4,936         | 53,119          | 70,425         | 62.3%        | 67.3%        | 71.7%        | 82.3%           | 77.3%        |
| Lakes              | 7,931               | 577           | 1,292          | 15,979          | 25,779           | 5,593         | 353           | 1,063         | 13,374          | 20,383         | 70.5%        | 61.2%        | 82.3%        | 83.7%           | 79.1%        |
| Bay of Plenty      | 11,668              | 600           | 2,079          | 39,679          | 54,025           | 7,360         | 455           | 1,929         | 33,103          | 42,847         | 63.1%        | 75.8%        | 92.8%        | 83.4%           | 79.3%        |
| Tairāwhiti         | 5,062               | 204           | 240            | 5,930           | 11,436           | 3,536         | 143           | 186           | 4,698           | 8,563          | 69.9%        | 70.1%        | 77.6%        | 79.2%           | 74.9%        |
| Taranaki           | 3,796               | 236           | 917            | 22,156          | 27,105           | 2,775         | 161           | 706           | 19,647          | 23,289         | 73.1%        | 68.2%        | 77.0%        | 88.7%           | 85.9%        |
| Hawkes Bay         | 8,635               | 1,011         | 1,210          | 27,845          | 38,701           | 6,435         | 834           | 1,077         | 22,725          | 31,071         | 74.5%        | 82.5%        | 89.0%        | 81.6%           | 80.3%        |
| Whanganui          | 3,609               | 202           | 419            | 10,774          | 15,004           | 2,292         | 177           | 297           | 8,533           | 11,299         | 63.5%        | 87.7%        | 70.9%        | 79.2%           | 75.3%        |
| Midcentral         | 6,789               | 883           | 2,333          | 31,094          | 41,098           | 4,388         | 657           | 1,751         | 24,024          | 30,820         | 64.6%        | 74.4%        | 75.1%        | 77.3%           | 75.0%        |
| Hutt Valley        | 5,637               | 2,738         | 3,377          | 24,768          | 36,520           | 3,596         | 1,755         | 3,034         | 20,460          | 28,845         | 63.8%        | 64.1%        | 89.8%        | 82.6%           | 79.0%        |
| Capital and Coast  | 7,968               | 5,395         | 10,565         | 58,507          | 82,435           | 4,776         | 3,358         | 7,227         | 49,455          | 64,816         | 59.9%        | 62.2%        | 68.4%        | 84.5%           | 78.6%        |
| <b>Wairarapa</b>   | <b>1,280</b>        | <b>138</b>    | <b>198</b>     | <b>8,355</b>    | <b>9,972</b>     | <b>1,027</b>  | <b>116</b>    | <b>175</b>    | <b>6,778</b>    | <b>8,096</b>   | <b>80.2%</b> | <b>83.8%</b> | <b>88.2%</b> | <b>81.1%</b>    | <b>81.2%</b> |
| Nelson Marlborough | 2,856               | 356           | 993            | 32,285          | 36,491           | 2,007         | 286           | 926           | 26,422          | 29,641         | 70.3%        | 80.3%        | 93.2%        | 81.8%           | 81.2%        |
| West Coast         | 703                 | 54            | 150            | 7,270           | 8,177            | 512           | 53            | 169           | 5,755           | 6,489          | 72.8%        | 98.5%        | 112.4%       | 79.2%           | 79.4%        |
| Canterbury         | 8,585               | 2,557         | 11,857         | 107,495         | 130,494          | 4,770         | 1,785         | 6,993         | 85,582          | 99,130         | 55.6%        | 69.8%        | 59.0%        | 79.6%           | 76.0%        |
| South Canterbury   | 829                 | 94            | 298            | 12,467          | 13,687           | 420           | 79            | 265           | 10,013          | 10,777         | 50.7%        | 84.4%        | 88.9%        | 80.3%           | 78.7%        |
| Southern           | 5,677               | 942           | 3,308          | 67,329          | 77,255           | 3,495         | 785           | 2,191         | 54,544          | 61,015         | 61.6%        | 83.3%        | 66.2%        | 81.0%           | 79.0%        |
| <b>Total</b>       | <b>149,531</b>      | <b>65,867</b> | <b>151,196</b> | <b>783,308</b>  | <b>1,149,901</b> | <b>94,248</b> | <b>45,875</b> | <b>98,427</b> | <b>642,397</b>  | <b>880,876</b> | <b>63.0%</b> | <b>69.6%</b> | <b>65.1%</b> | <b>82.0%</b>    | <b>76.6%</b> |

## DHB coverage comparison trends by ethnicity

**Table 3: NCSP coverage (%) of women aged 25–69 years in the three years ending 30 June 2012, 2013 and 2014, by ethnicity and district health board**

| District Health Board | Māori        |              |              | Pacific      |              |              | Asian        |              |              | European/Other |              |              |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|--------------|--------------|
|                       | June 2012    | June 2013    | June 2014    | June 2012    | June 2013    | June 2014    | June 2012    | June 2013    | June 2014    | June 2012      | June 2013    | June 2014    |
| Northland             | 69.1%        | 70.4%        | 68.8%        | 52.2%        | 52.0%        | 55.0%        | 80.1%        | 79.8%        | 82.1%        | 79.8%          | 78.3%        | 77.5%        |
| Waitemata             | 52.6%        | 52.8%        | 54.7%        | 65.7%        | 65.8%        | 67.6%        | 58.9%        | 60.3%        | 64.2%        | 84.4%          | 83.9%        | 83.7%        |
| Auckland              | 56.8%        | 57.4%        | 56.5%        | 84.1%        | 87.2%        | 84.0%        | 61.0%        | 61.6%        | 59.3%        | 87.2%          | 87.9%        | 86.0%        |
| Counties Manukau      | 60.5%        | 59.9%        | 58.5%        | 63.7%        | 63.3%        | 65.1%        | 59.9%        | 60.4%        | 64.1%        | 80.9%          | 80.4%        | 79.2%        |
| Waikato               | 62.1%        | 62.2%        | 62.3%        | 68.3%        | 68.3%        | 67.3%        | 65.2%        | 68.5%        | 71.7%        | 82.6%          | 82.6%        | 82.3%        |
| Lakes                 | 69.9%        | 70.9%        | 70.5%        | 59.5%        | 57.2%        | 61.2%        | 77.8%        | 79.1%        | 82.3%        | 86.9%          | 85.1%        | 83.7%        |
| Bay of Plenty         | 62.6%        | 64.3%        | 63.1%        | 79.8%        | 82.2%        | 75.8%        | 88.1%        | 92.1%        | 92.8%        | 84.6%          | 84.2%        | 83.4%        |
| Tairāwhiti            | 74.6%        | 74.5%        | 69.9%        | 55.7%        | 60.9%        | 70.1%        | 80.4%        | 81.4%        | 77.6%        | 85.0%          | 83.1%        | 79.2%        |
| Taranaki              | 72.0%        | 72.0%        | 73.1%        | 79.1%        | 71.8%        | 68.2%        | 68.5%        | 72.2%        | 77.0%        | 87.6%          | 88.0%        | 88.7%        |
| Hawke's Bay           | 71.7%        | 74.0%        | 74.5%        | 80.0%        | 82.6%        | 82.5%        | 83.6%        | 87.2%        | 89.0%        | 82.9%          | 83.2%        | 81.6%        |
| Whanganui             | 65.5%        | 65.1%        | 63.5%        | 95.6%        | 93.5%        | 87.7%        | 76.4%        | 75.7%        | 70.9%        | 81.1%          | 79.8%        | 79.2%        |
| Hutt Valley           | 63.6%        | 63.5%        | 63.8%        | 71.3%        | 67.2%        | 64.1%        | 88.2%        | 88.8%        | 89.8%        | 83.3%          | 83.1%        | 82.6%        |
| Mid Central           | 63.6%        | 64.9%        | 64.6%        | 68.5%        | 70.4%        | 74.4%        | 71.2%        | 74.3%        | 75.1%        | 78.7%          | 77.9%        | 77.3%        |
| Capital and Coast     | 59.7%        | 59.3%        | 59.9%        | 65.4%        | 63.4%        | 62.2%        | 67.9%        | 67.6%        | 68.4%        | 88.1%          | 86.6%        | 84.5%        |
| Wairarapa             | 76.5%        | 80.2%        | 80.2%        | 84.8%        | 83.1%        | 83.8%        | 84.9%        | 81.5%        | 88.2%        | 83.2%          | 81.7%        | 81.1%        |
| Nelson Marlborough    | 61.5%        | 63.7%        | 70.3%        | 74.1%        | 78.8%        | 80.3%        | 81.4%        | 85.3%        | 93.2%        | 82.7%          | 82.2%        | 81.8%        |
| West Coast            | 59.3%        | 69.4%        | 72.8%        | 100.2%       | 100.7%       | 98.5%        | 83.6%        | 100.8%       | 112.4%       | 75.6%          | 78.1%        | 79.2%        |
| Canterbury            | 51.3%        | 53.4%        | 55.6%        | 67.0%        | 66.6%        | 69.8%        | 57.2%        | 57.1%        | 59.0%        | 79.3%          | 78.6%        | 79.6%        |
| South Canterbury      | 46.5%        | 45.9%        | 50.7%        | 79.5%        | 72.6%        | 84.4%        | 78.5%        | 82.2%        | 88.9%        | 77.6%          | 77.9%        | 80.3%        |
| Southern              | 57.4%        | 59.4%        | 61.6%        | 76.8%        | 79.1%        | 83.3%        | 62.8%        | 63.2%        | 66.2%        | 80.9%          | 80.9%        | 81.0%        |
| <b>Total</b>          | <b>62.4%</b> | <b>63.1%</b> | <b>63.0%</b> | <b>69.2%</b> | <b>69.3%</b> | <b>69.6%</b> | <b>62.7%</b> | <b>63.6%</b> | <b>65.1%</b> | <b>82.9%</b>   | <b>82.5%</b> | <b>82.0%</b> |

Key  ≥ 80%  70–79.9%  < 70%