

# **2019 DHB Health Care Worker Influenza Immunisation Coverage**

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# Contents

<b>Background</b>	<b>1</b>
<b>Occupational groups</b>	<b>2</b>
<b>Non-employed individuals</b>	<b>3</b>
<b>DHB staff vaccinated elsewhere</b>	<b>4</b>
<b>Total DHB health care worker coverage 2010–2019</b>	<b>5</b>
<b>Comparison of DHB health care worker coverage by DHB 2016–2019</b>	<b>6</b>
<b>Comparison of DHB health care worker coverage by occupation 2016–2019</b>	<b>7</b>
Appendix 1: DHB health care worker influenza immunisation coverage rates 2016–2019	12
Appendix 2: 2019 DHB health care worker influenza immunisation coverage by occupation (in alphabetical order)	13
<b>List of Figures</b>	
Figure 1: Total DHB health care worker influenza immunisation coverage 2010–2019	5
Figure 2: DHB health care worker influenza immunisation coverage by DHB 2016–2019	6
Figure 3: DHB health care worker influenza immunisation coverage by occupation 2016–2019	7
Figure 4: Nurses’ influenza immunisation coverage by DHB 2016–2019	8
Figure 5: Doctors’ influenza immunisation coverage by DHB 2016–2019	8
Figure 6: Midwives’ influenza immunisation coverage by DHB 2016–2019	9
Figure 7: Allied staff influenza immunisation coverage by DHB 2016–2019	9
Figure 8: Health care assistants’ influenza immunisation coverage by DHB 2018–2019	10
Figure 9: Other employees’ influenza immunisation coverage by DHB 2016–2019	11
Figure 10: Auckland DHB 2019 workforce influenza immunisation coverage rates	13

Figure 11: Bay of Plenty DHB 2019 workforce influenza immunisation coverage rates	14
Figure 12: Canterbury DHB 2019 workforce influenza immunisation coverage rates	14
Figure 13: Capital & Coast DHB 2019 workforce influenza immunisation coverage rates	15
Figure 14: Counties Manukau DHB 2019 workforce influenza immunisation coverage rates	15
Figure 15: Hawke’s Bay DHB 2019 workforce influenza immunisation coverage rates	16
Figure 16: Hutt Valley DHB 2019 workforce influenza immunisation coverage rates	16
Figure 17: Lakes DHB 2019 workforce influenza immunisation coverage rates	17
Figure 18: MidCentral DHB 2019 workforce influenza immunisation coverage rates	17
Figure 19: Nelson–Marlborough DHB 2019 workforce influenza immunisation coverage rates	18
Figure 20: Northland DHB 2019 workforce influenza immunisation coverage rates	18
Figure 21: South Canterbury DHB 2019 workforce influenza immunisation coverage rates	19
Figure 22: Tairāwhiti DHB 2019 workforce influenza immunisation coverage rates	19
Figure 23: Taranaki DHB 2019 workforce influenza immunisation coverage rates	20
Figure 24: Waikato DHB 2019 workforce influenza immunisation coverage rates	20
Figure 25: Wairarapa DHB 2019 workforce influenza immunisation coverage rates	21
Figure 26: Waitematā DHB 2019 workforce influenza immunisation coverage rates	21
Figure 27: West Coast DHB 2019 workforce influenza immunisation coverage rates	22
Figure 28: Whanganui DHB 2019 workforce influenza immunisation coverage rates	22

# Background

Health care workers (HCW), by virtue of their occupation, are at increased risk of contracting influenza and may transmit the infection to susceptible contacts, with the potential for serious outcomes.

All district health boards (DHBs) offer free influenza immunisation to their employed staff. Since 2010, the Ministry of Health (the Ministry) has reported DHB HCW influenza immunisation coverage rates, which remained stable between 65 to 68 percent from 2015 to 2018.

In 2018, the Ministry introduced a goal of 80 percent of all HCW to be immunised annually against influenza. DHB HCW influenza coverage for 2019 was 73 percent which is the highest rate since 2010.

# Occupational groups

The following occupational groups are included for the collection and comparison of influenza immunisation coverage:

Nurses	Includes registered and enrolled nurses.
Doctors	Includes registered doctors.
Midwives	Includes registered midwives.
Allied staff	Includes but not limited to physiotherapists, laboratory technicians, occupational therapists, dieticians, social workers, pharmacists, radiologists, speech language therapists, etc.
Health care assistants*	Includes unregistered health care workers who work under the guidance of a registered health care professional and provide direct personal patient care, for example health care assistants, nurse aids or patient carers.
Other employees	May include but not limited to health care assistants, cleaners, orderlies, administrators, management etc.

\* Health care assistants were added as a new occupational group in 2018.

# Non-employed individuals

DHBs also offer free influenza immunisation to individuals not employed by the DHB but working in their facilities such as contractors, registered midwives, health care students, etc. The numbers of vaccines given to this group are collected by DHBs but it is not possible to calculate the immunisation coverage as there is no set denominator for this group.

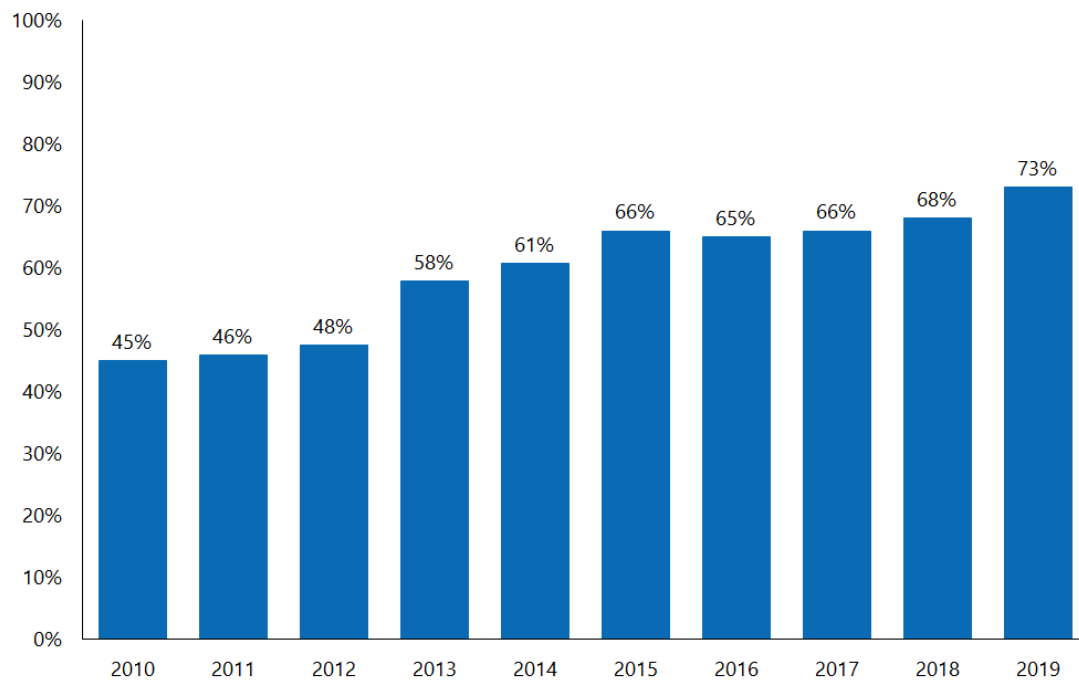
# DHB staff vaccinated elsewhere

DHB employed staff who have had their influenza immunisation elsewhere (eg, own general practitioner) are not included in these DHB coverage rates. However, some DHBs collect this information and staff are asked to inform the DHB if they have been vaccinated elsewhere.



# Total DHB health care worker coverage 2010–2019

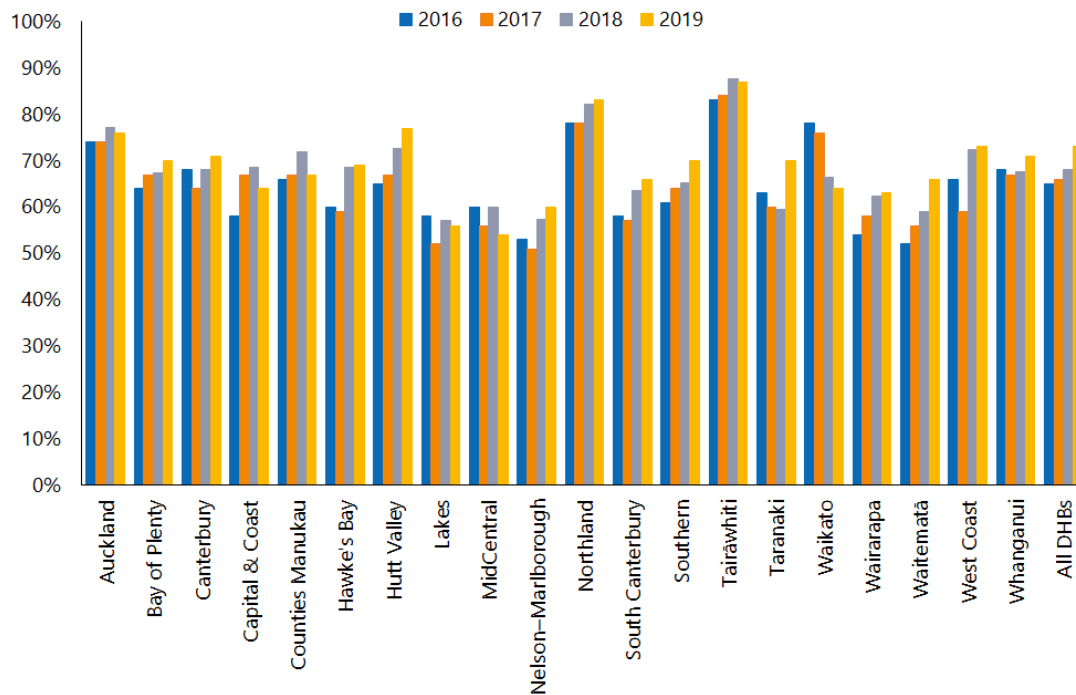
**Figure 1: Total DHB health care worker influenza immunisation coverage 2010–2019**



Total DHB HCW influenza immunisation coverage rates have remained steady for the past few years with 73 percent recorded in 2019, the highest coverage to date.

# Comparison of DHB health care worker influenza immunisation coverage by DHB 2016–2019

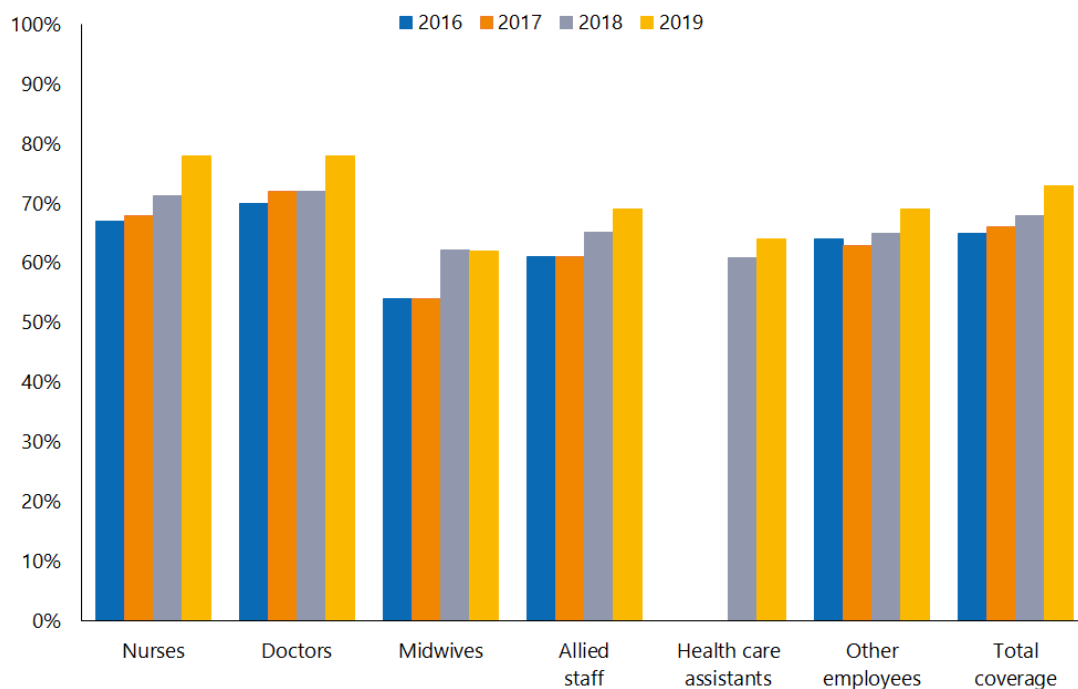
**Figure 2: DHB health care worker influenza immunisation coverage by DHB 2016–2019**



DHB HCW influenza immunisation coverage rates in 2019 varied, with an average of 73 percent across all DHBs, a 5 percent increase from 2018. Eleven DHBs achieved coverage over 70 percent, with Tairāwhiti and Northland over 80 percent. The most significant increase in coverage was seen in Taranaki with an increase of 11 percent.

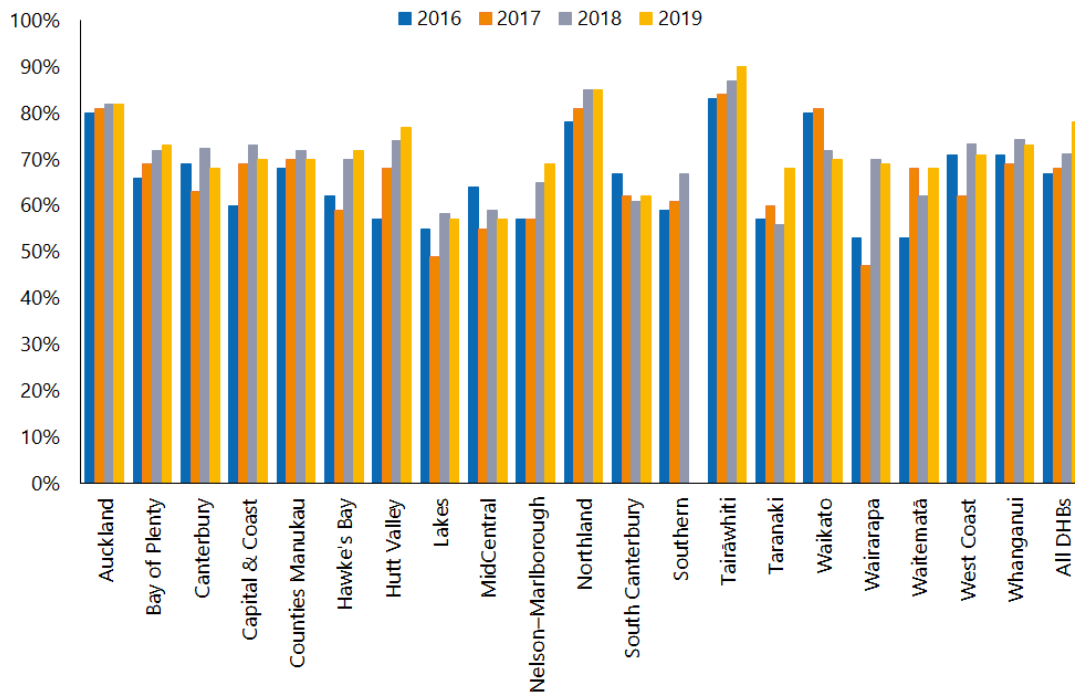
# Comparison of DHB health care worker coverage by occupation 2016–2019

**Figure 3: DHB health care worker influenza immunisation coverage by occupation 2016–2019**



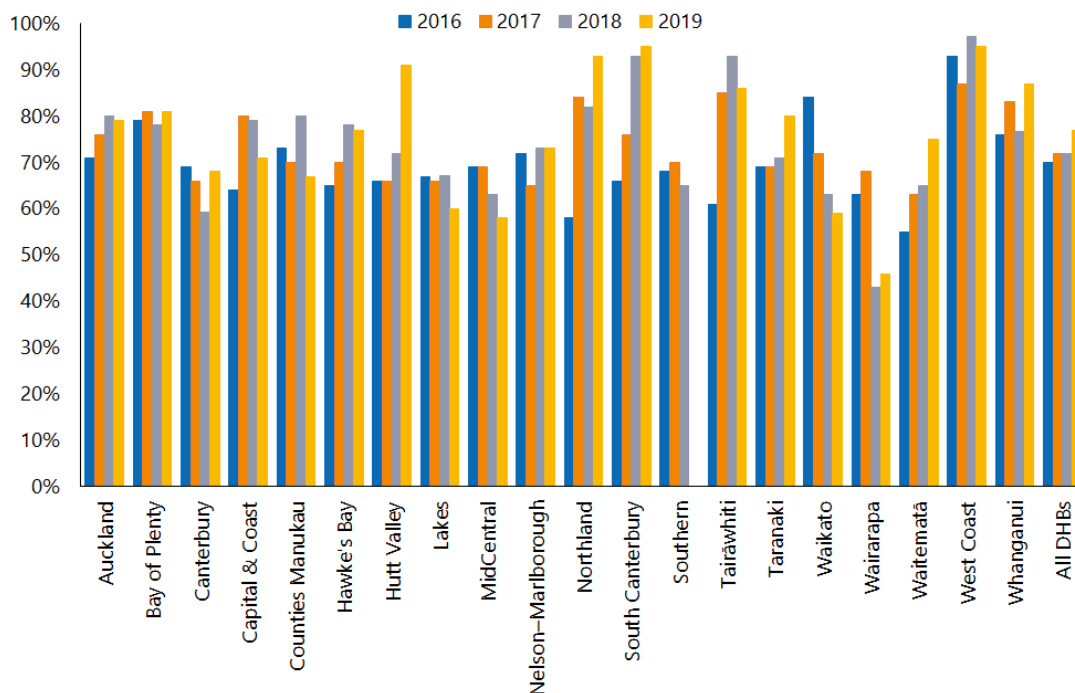
DHB HCW total influenza immunisation coverage by occupation has increased across most occupational groups in 2019, averaging 73 percent. Midwives' coverage remained stable at 62 percent this year while other groups increased by between 3 and 7 percent. Note: In 2018, health care assistants were included as a separate occupational group; previously they may have been recorded under other occupational groupings.

**Figure 4: Nurses' influenza immunisation coverage by DHB 2016–2019**



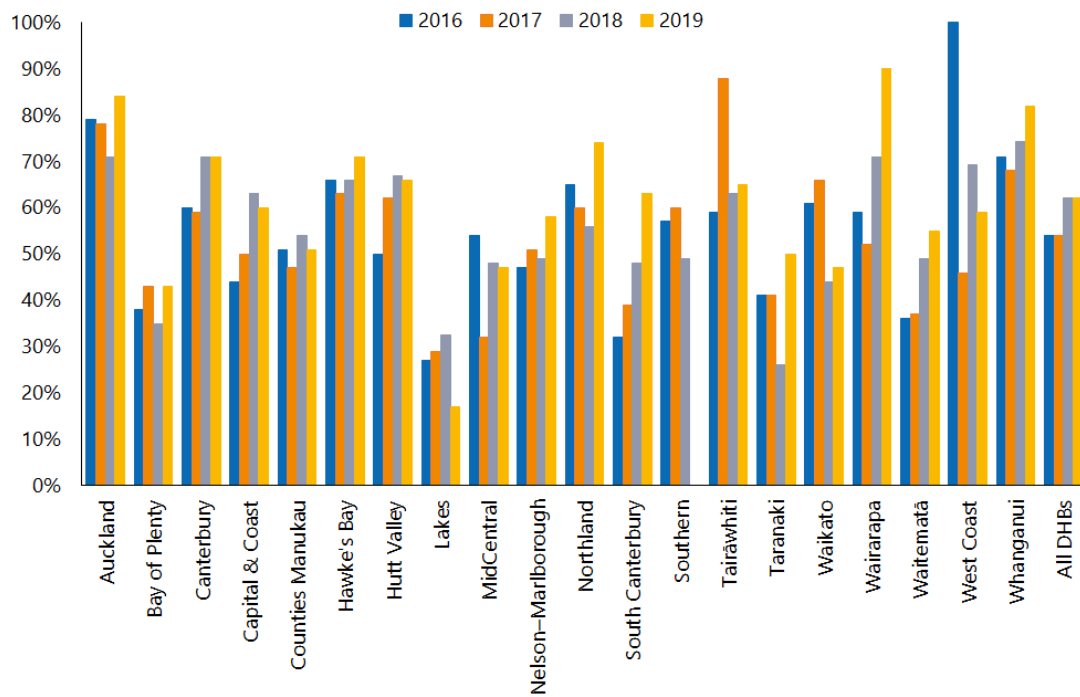
The 2019 total influenza immunisation coverage rate for DHB nurses averaged 78 percent, an increase of 7 percent from 2018. Nine DHBs maintained or increased their nursing staff coverage with Tairāwhiti, Northland and Auckland reporting over 80 percent and Taranaki increasing by 12 percent this year.

**Figure 5: Doctors' influenza immunisation coverage by DHB 2016–2019**



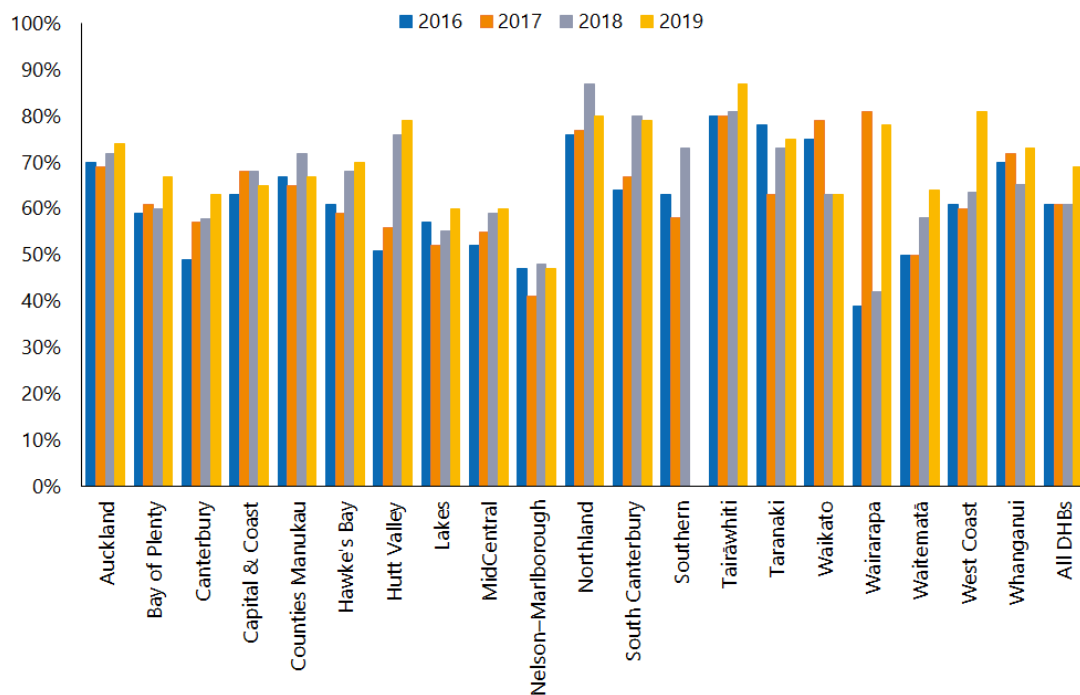
The 2019 total influenza immunisation coverage rate for DHB doctors has increased by 5 percent with Bay of Plenty, Hutt Valley, Northland, South Canterbury, Tairāwhiti, Taranaki, West Coast and Whanganui reporting coverage over 80 percent.

**Figure 6: Midwives' influenza immunisation coverage by DHB 2016–2019**



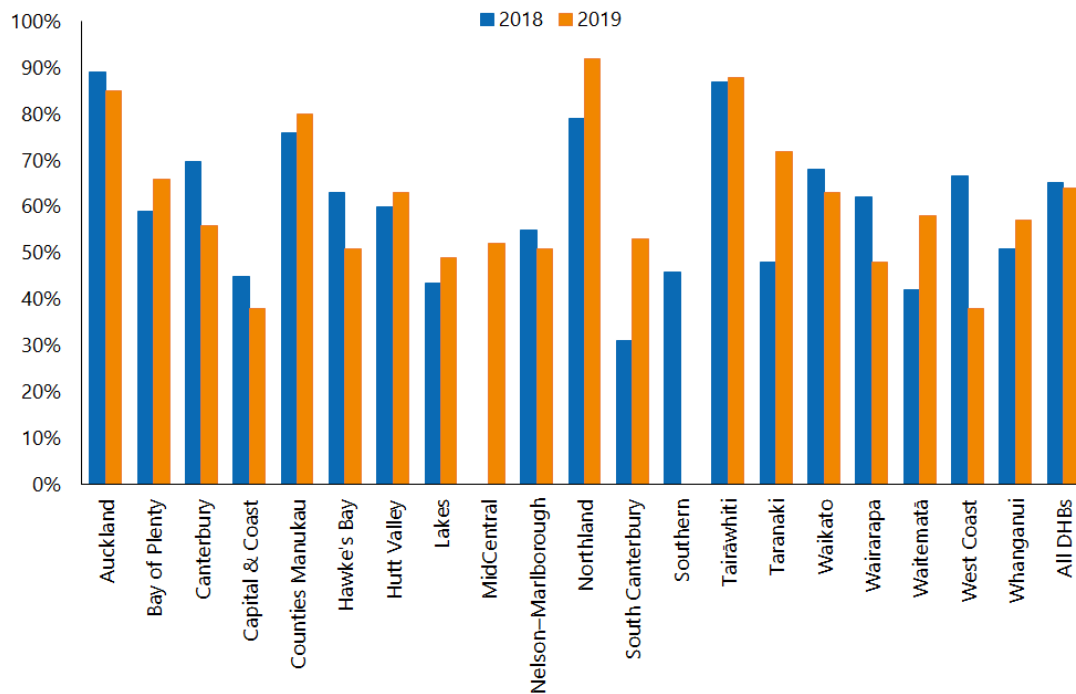
The 2019 total influenza immunisation coverage rate for DHB remained the same as 2018 at 62 percent. While coverage varied across all DHBs, six achieved over 70 percent and five increased their midwives' coverage by more than 10 percent compared to 2018. Taranaki increased coverage by 24 percent.

**Figure 7: Allied staff influenza immunisation coverage by DHB 2016–2019**



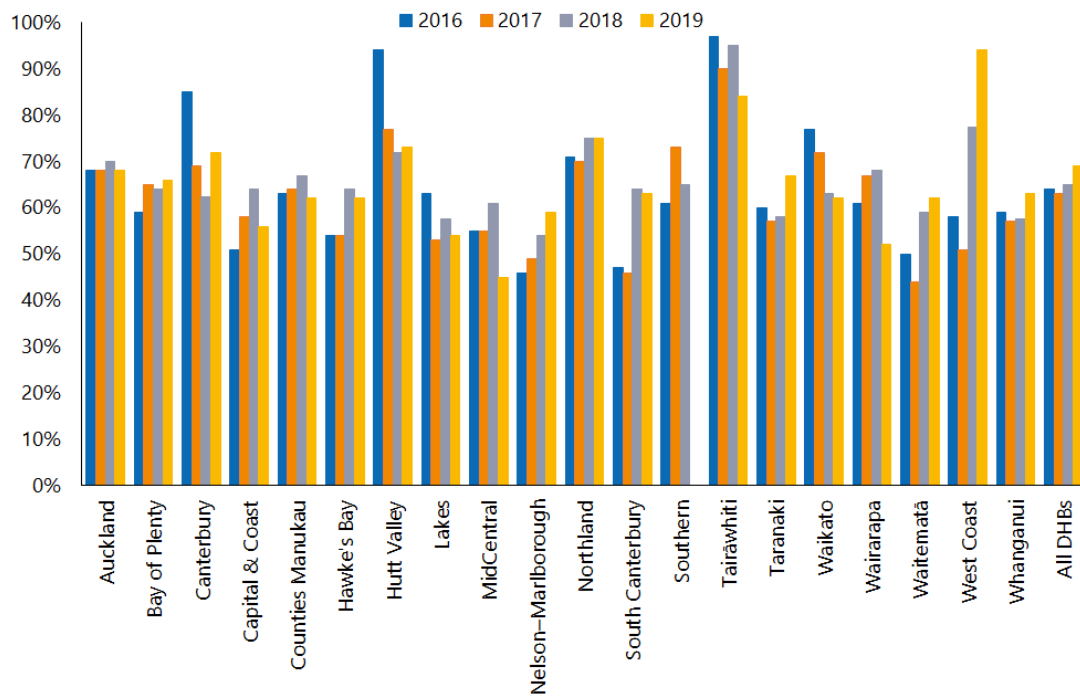
The 2019 total influenza immunisation coverage rate for DHB allied staff has increased by 8 percent this year after remaining the same at 61 percent for the past three years. This year Northland, Tairāwhiti and West Coast achieved the 80 percent target for this occupational group while Wairarapa increased its coverage by 36 percent.

**Figure 8: Health care assistants' influenza immunisation coverage by DHB 2018–2019**



Health care assistants are a new group that was added to the reporting for DHB HCW influenza coverage in 2018. Auckland, Counties Manukau, Northland and Tairāwhiti exceeded the 80 percent target in this group. South Canterbury and Taranaki increased their coverage in this group by 22 and 24 percent respectively.

**Figure 9: Other employees' influenza immunisation coverage by DHB 2016–2019**



The 2019 total influenza immunisation coverage rate for other DHB employees increased by 4 percent in 2019. Tairāwhiti and West Coast achieved 80 percent for this group. Canterbury increased coverage in this group by 10 percent.

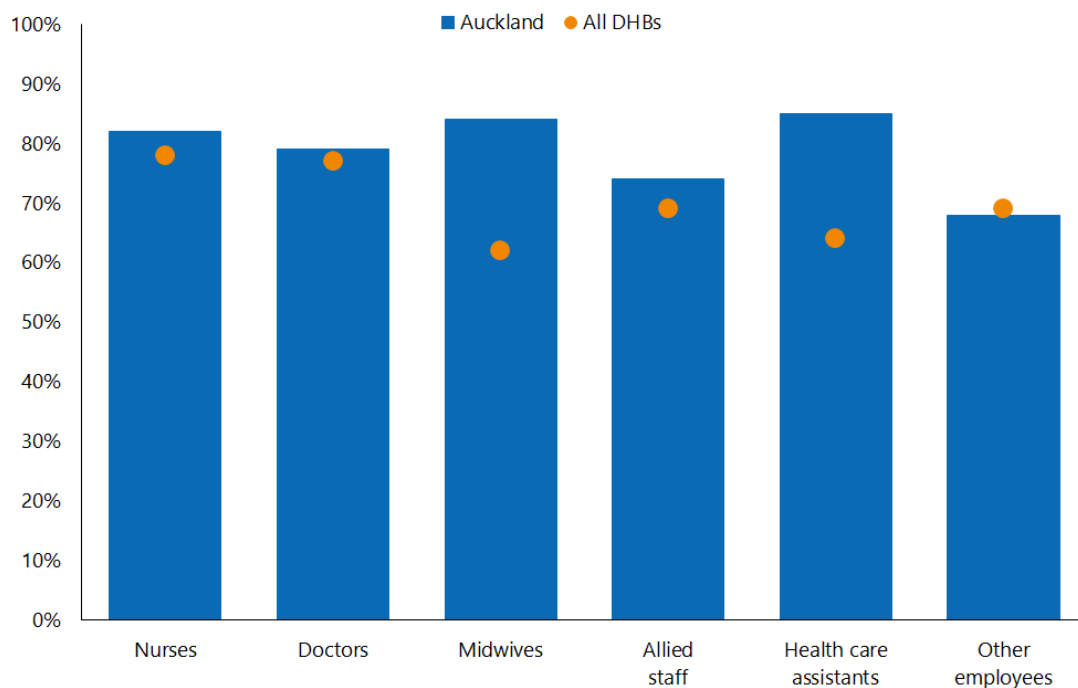
# Appendix 1: DHB health care worker influenza immunisation coverage rates 2016–2019

District Health Boards	Nurses				Doctors				Midwives				Allied staff				Health care assistants		Other employees				Total coverage			
	2016 %	2017 %	2018 %	2019 %	2016 %	2017 %	2018 %	2019 %	2016 %	2017 %	2018 %	2019 %	2016 %	2017 %	2018 %	2019 %	2018 %	2019 %	2016 %	2017 %	2018 %	2019 %	2016 %	2017 %	2018 %	2019 %
Auckland	80	81	82	82	71	76	80	79	79	78	71	84	70	69	72	74	89	85	68	68	70	68	74	74	77	76
Bay of Plenty	66	69	72	73	79	81	78	81	38	43	35	43	59	61	60	67	59	66	59	65	64	66	64	67	67	70
Canterbury	69	63	72	68	69	66	59	68	60	59	71	71	49	57	58	63	70	56	85	69	62	72	68	64	68	71
Capital & Coast	60	69	73	70	64	80	79	71	44	50	63	60	63	68	68	65	45	38	51	58	64	56	58	67	69	64
Counties Manukau	68	70	72	70	73	70	80	67	51	47	54	51	67	65	72	67	76	80	63	64	67	62	66	67	72	67
Hawke's Bay	62	59	70	72	65	70	78	77	66	63	66	71	61	59	68	70	63	51	54	54	64	62	60	59	69	69
Hutt Valley	57	68	74	77	66	66	72	91	50	62	67	66	51	56	76	79	60	63	94	77	72	73	65	67	73	77
Lakes	55	49	58	57	67	66	67	60	27	29	33	17	57	52	55	60	43	49	63	53	58	54	58	52	57	56
MidCentral	64	55	59	57	69	69	63	58	54	32	48	47	52	55	59	60	0	52	55	55	61	45	60	56	60	54
Nelson–Marlborough	57	57	65	69	72	65	73	73	47	51	49	58	47	41	48	47	55	51	46	49	54	59	53	51	57	60
Northland	78	81	85	85	58	84	82	93	65	60	56	74	76	77	87	80	79	92	71	70	75	75	78	78	82	83
South Canterbury	67	62	61	62	66	76	93	95	32	39	48	63	64	67	80	79	31	53	47	46	64	63	58	57	64	66
Southern	59	61	67	68	70	65	57	60	49	63	58	73	46	61	73	65	61	64	65	70						
Tairāwhiti	83	84	87	90	61	85	93	86	59	88	63	65	80	80	81	87	87	88	97	90	95	84	83	84	88	87
Taranaki	57	60	56	68	69	69	71	80	41	41	26	50	78	63	73	75	48	72	60	57	58	67	63	60	59	70
Waikato	80	81	72	70	84	72	63	59	61	66	44	47	75	79	63	63	68	63	77	72	63	62	78	76	66	64
Wairarapa	53	47	70	69	63	68	43	46	59	52	71	90	39	81	42	78	62	48	61	67	68	52	54	58	62	63
Waitematā	53	68	62	68	55	63	65	75	36	37	49	55	50	50	58	64	42	58	50	44	59	62	52	56	59	66
West Coast	71	62	73	71	93	87	97	95	100	46	69	59	61	60	64	81	67	38	58	51	77	94	66	59	72	73
Whanganui	71	69	74	73	76	83	77	87	71	68	74	82	70	72	65	73	51	57	59	57	58	63	68	67	68	71
<b>All DHBs</b>	<b>67</b>	<b>68</b>	<b>72</b>	<b>78</b>	<b>70</b>	<b>72</b>	<b>72</b>	<b>78</b>	<b>54</b>	<b>54</b>	<b>63</b>	<b>62</b>	<b>61</b>	<b>61</b>	<b>61</b>	<b>69</b>	<b>65</b>	<b>64</b>	<b>64</b>	<b>63</b>	<b>66</b>	<b>69</b>	<b>65</b>	<b>66</b>	<b>68</b>	<b>73</b>

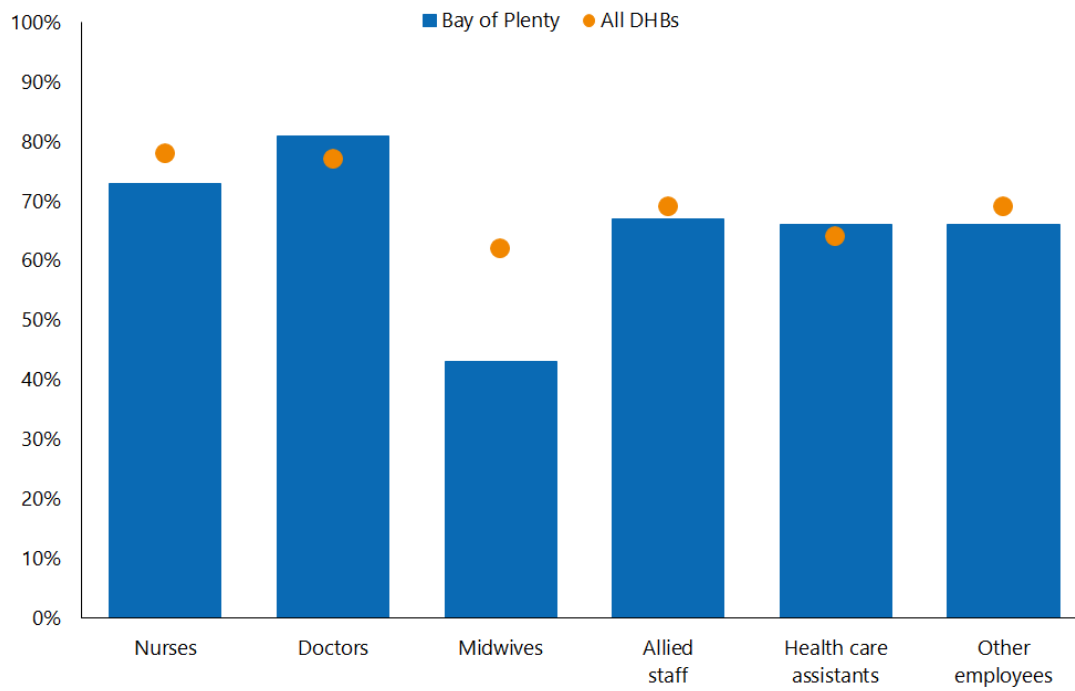


## Appendix 2: 2019 DHB health care worker influenza immunisation coverage by occupation (in alphabetical order)

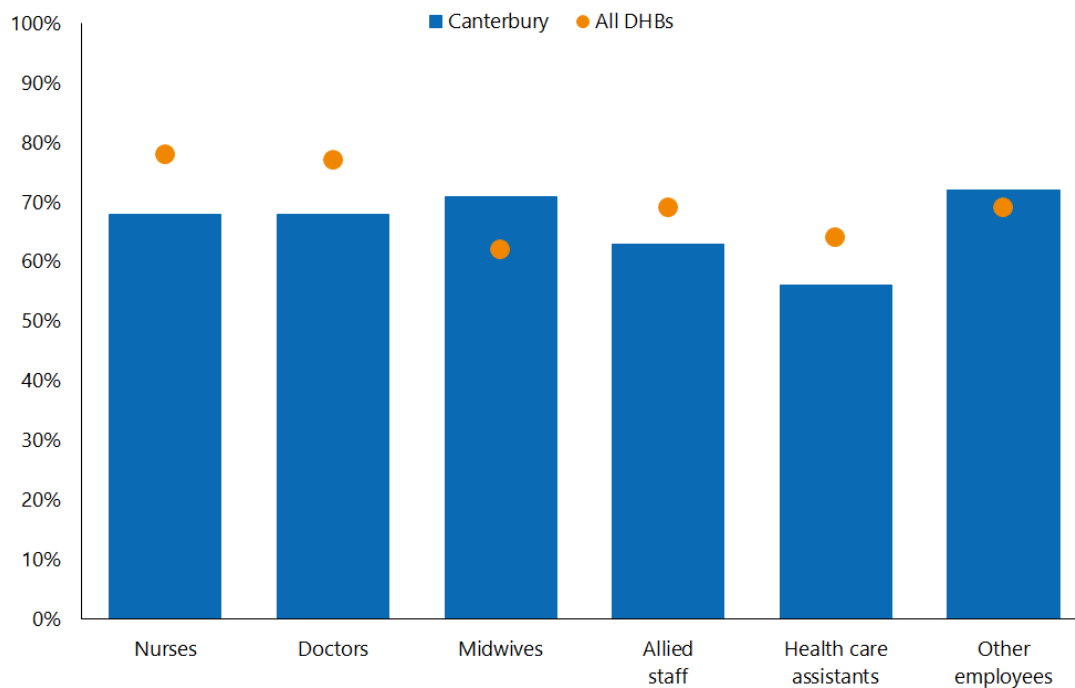
Figure 10: Auckland DHB 2019 workforce influenza immunisation coverage rates



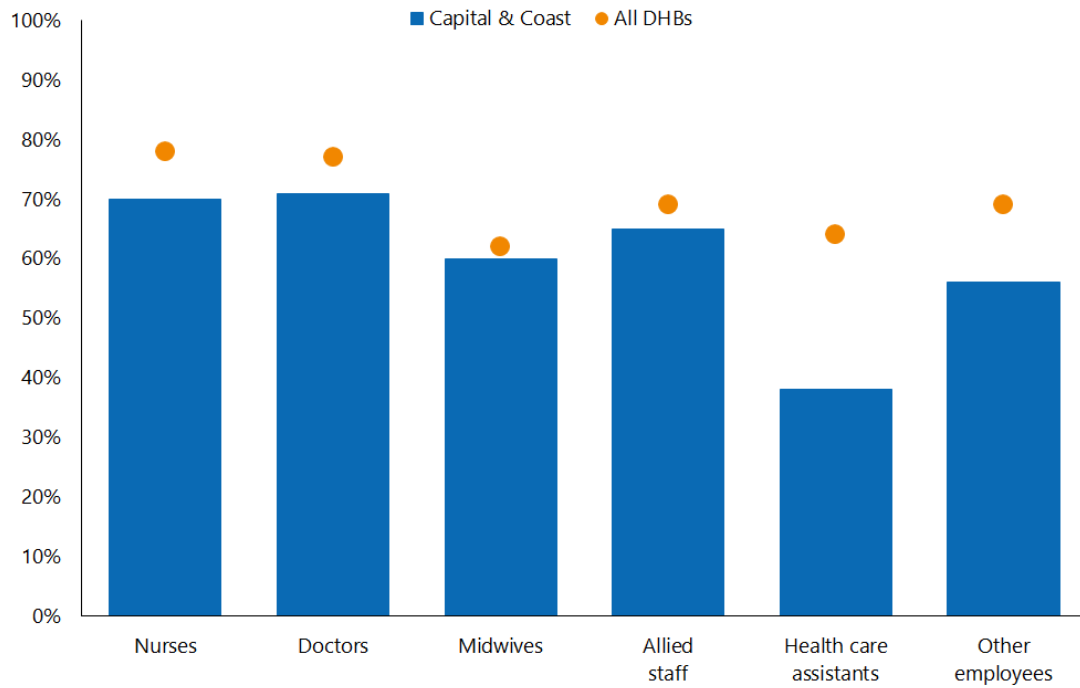
**Figure 11: Bay of Plenty DHB 2019 workforce influenza immunisation coverage rates**



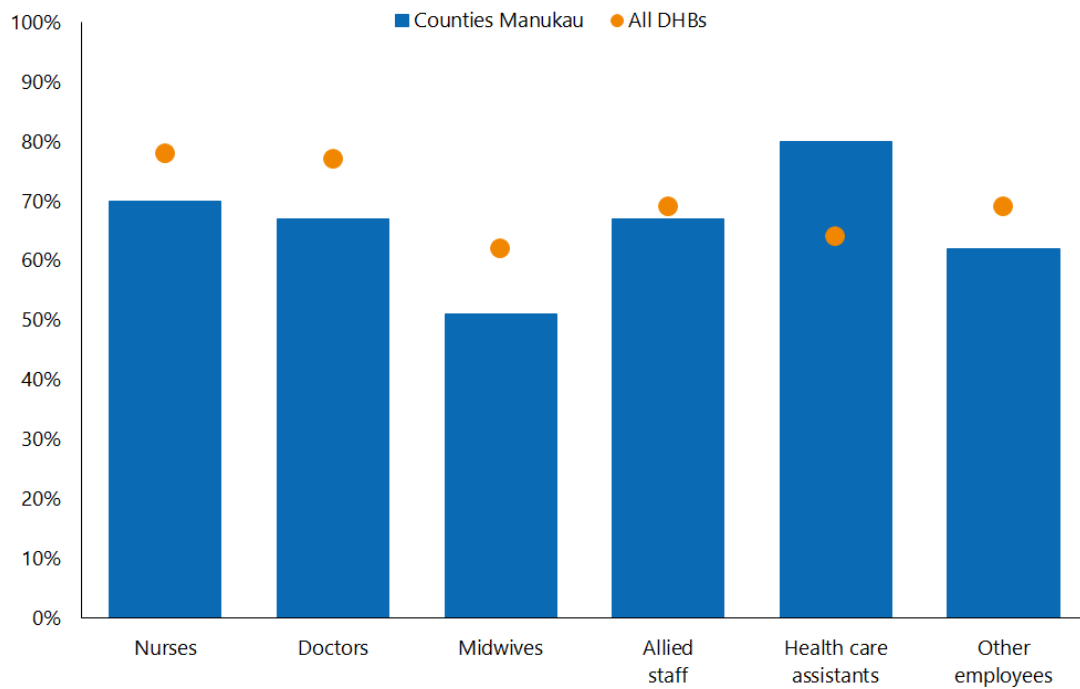
**Figure 12: Canterbury DHB 2019 workforce influenza immunisation coverage rates**



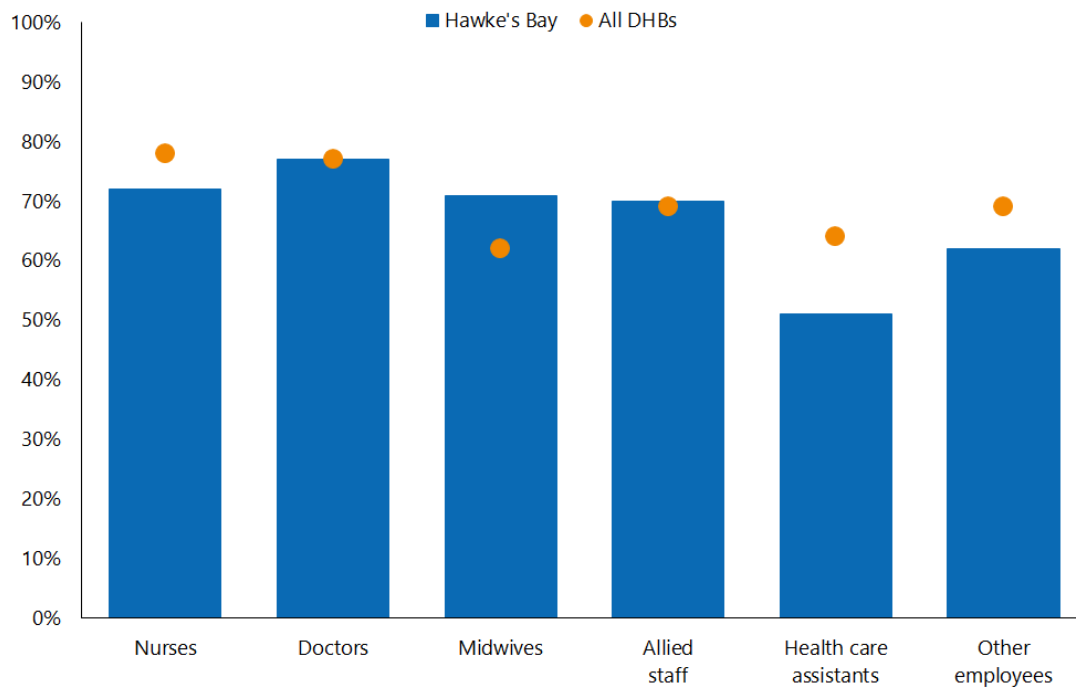
**Figure 13: Capital & Coast DHB 2019 workforce influenza immunisation coverage rates**



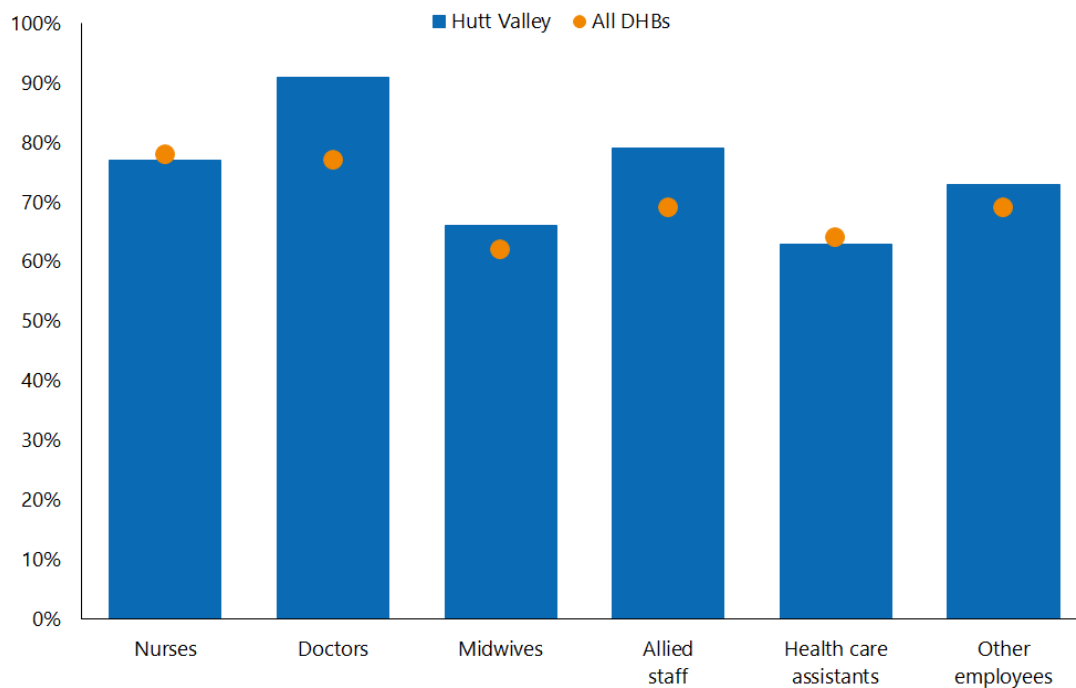
**Figure 14: Counties Manukau DHB 2019 workforce influenza immunisation coverage rates**



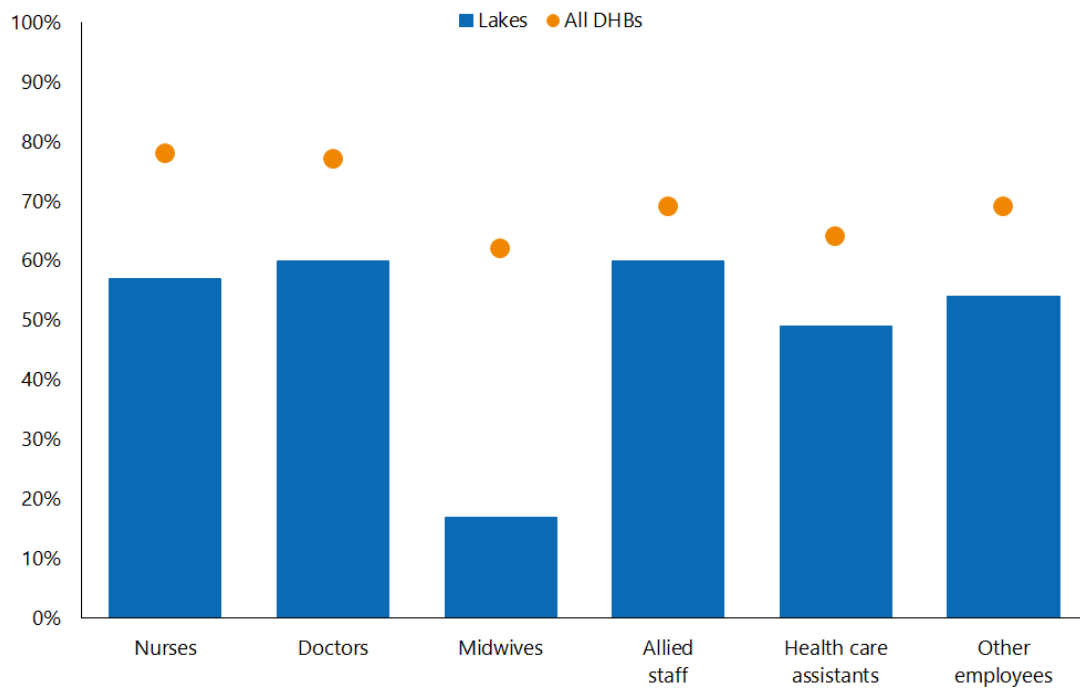
**Figure 15: Hawke's Bay DHB 2019 workforce influenza immunisation coverage rates**



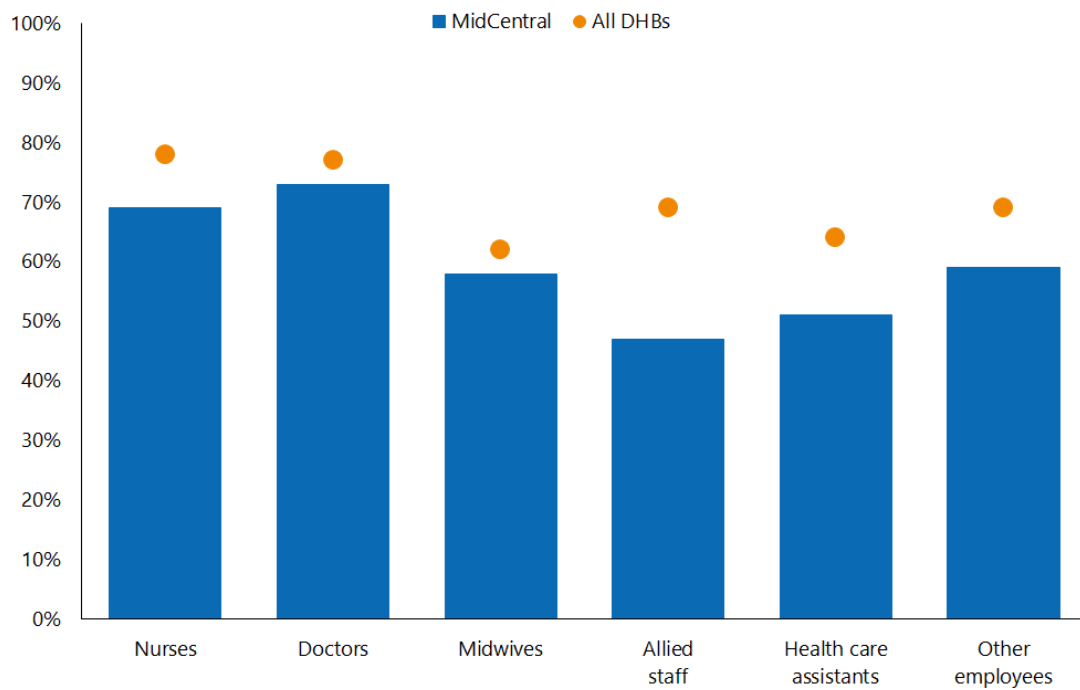
**Figure 16: Hutt Valley DHB 2019 workforce influenza immunisation coverage rates**



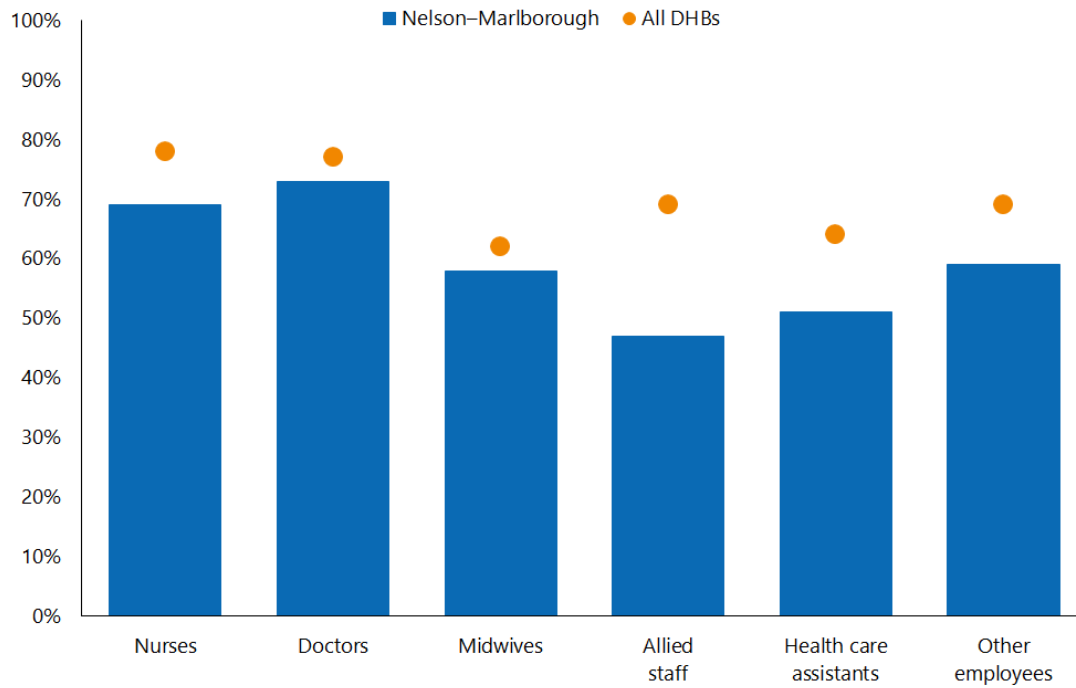
**Figure 17: Lakes DHB 2019 workforce influenza immunisation coverage rates**



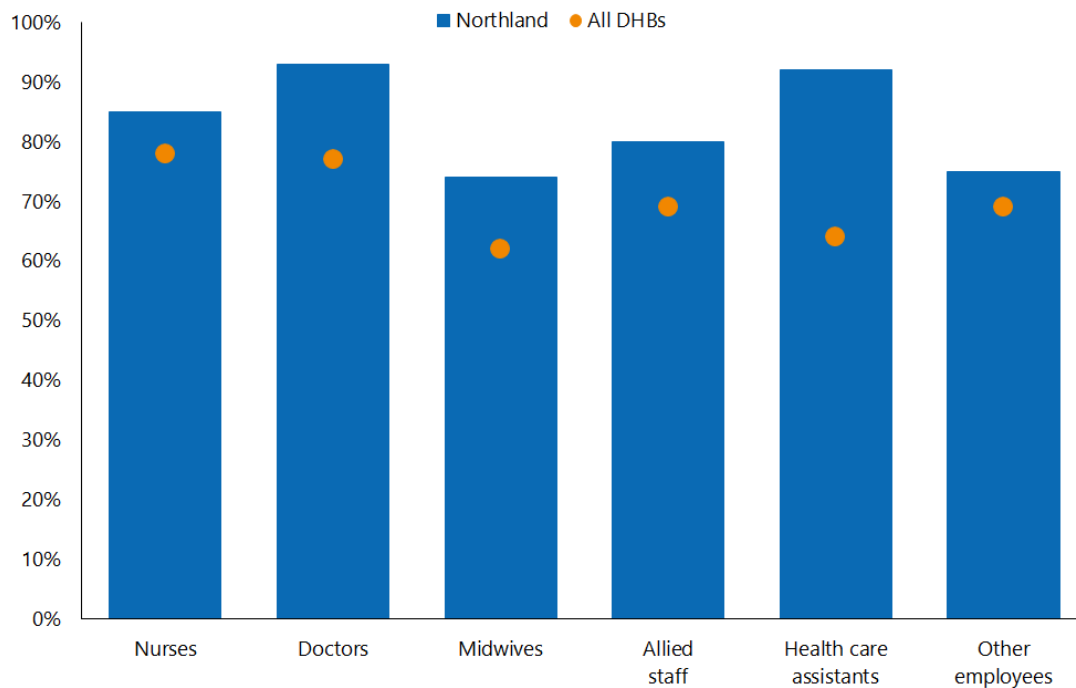
**Figure 18: MidCentral DHB 2019 workforce influenza immunisation coverage rates**



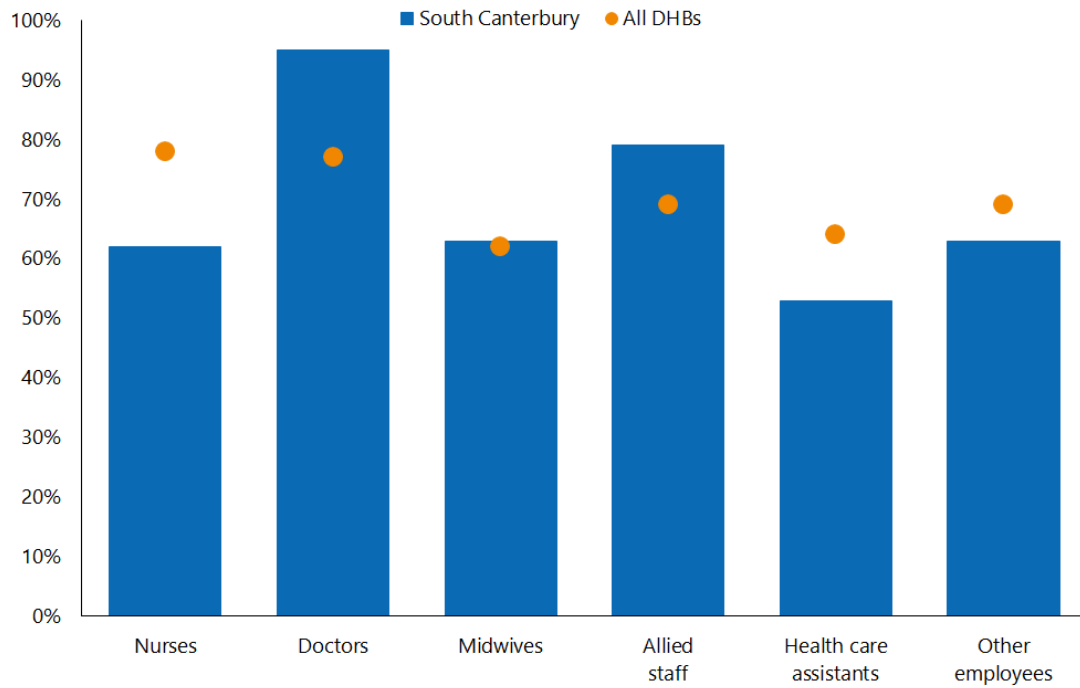
**Figure 19: Nelson–Marlborough DHB 2019 workforce influenza immunisation coverage rates**



**Figure 20: Northland DHB 2019 workforce influenza immunisation coverage rates**

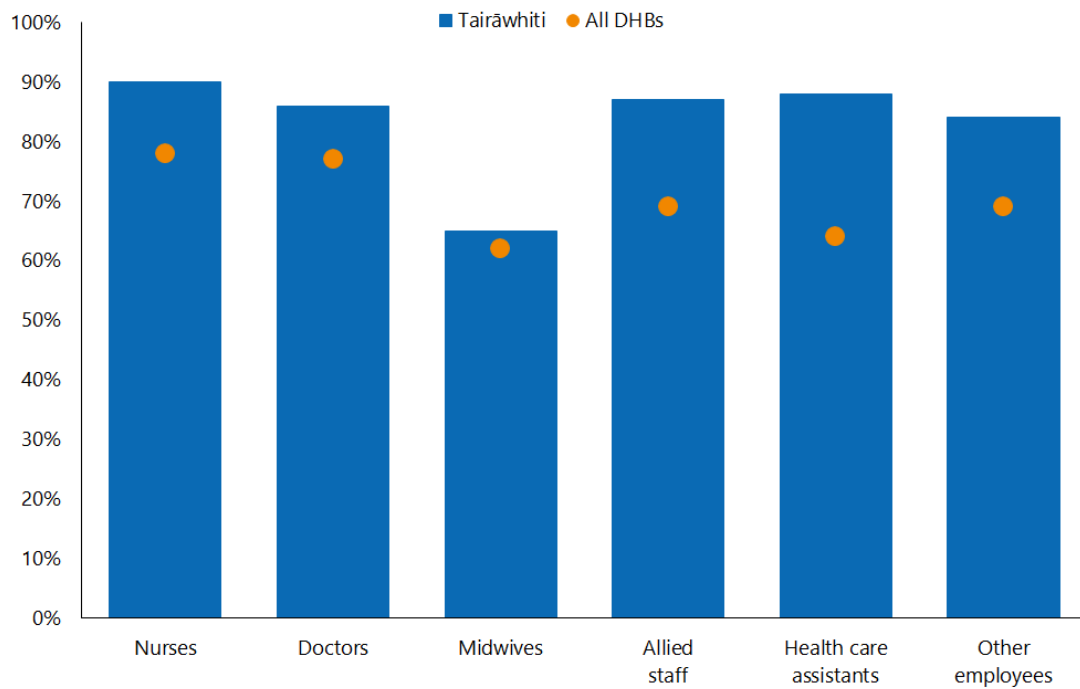


**Figure 21: South Canterbury DHB 2019 workforce influenza immunisation coverage rates**

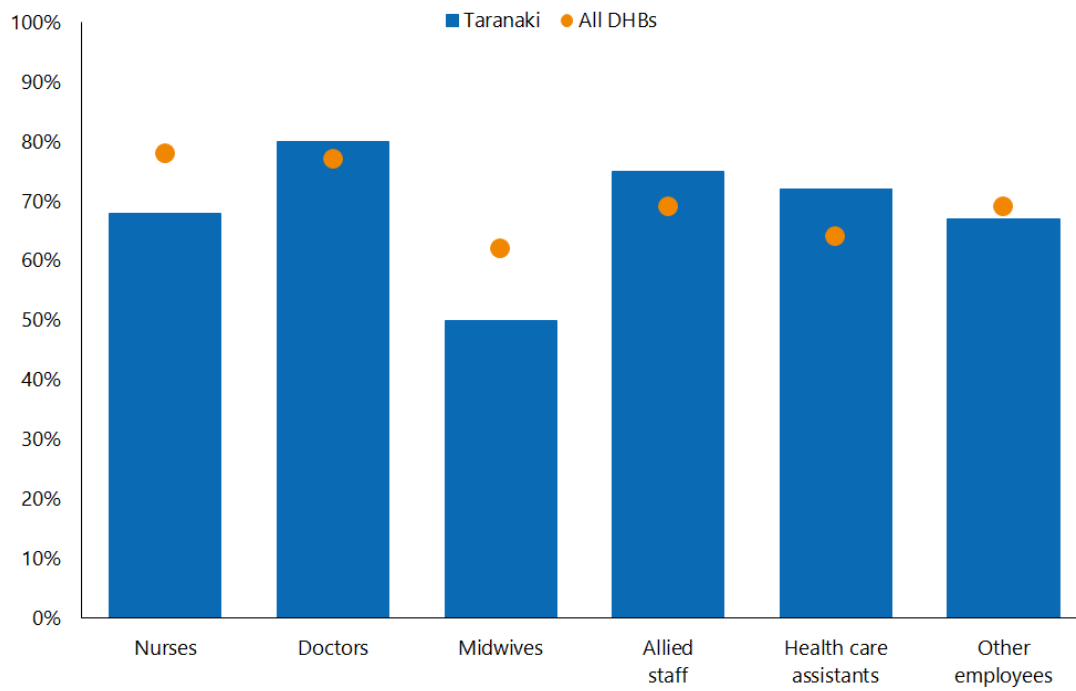


Southern DHB achieved overall coverage of 71 percent but did not provide a breakdown of coverage by occupation.

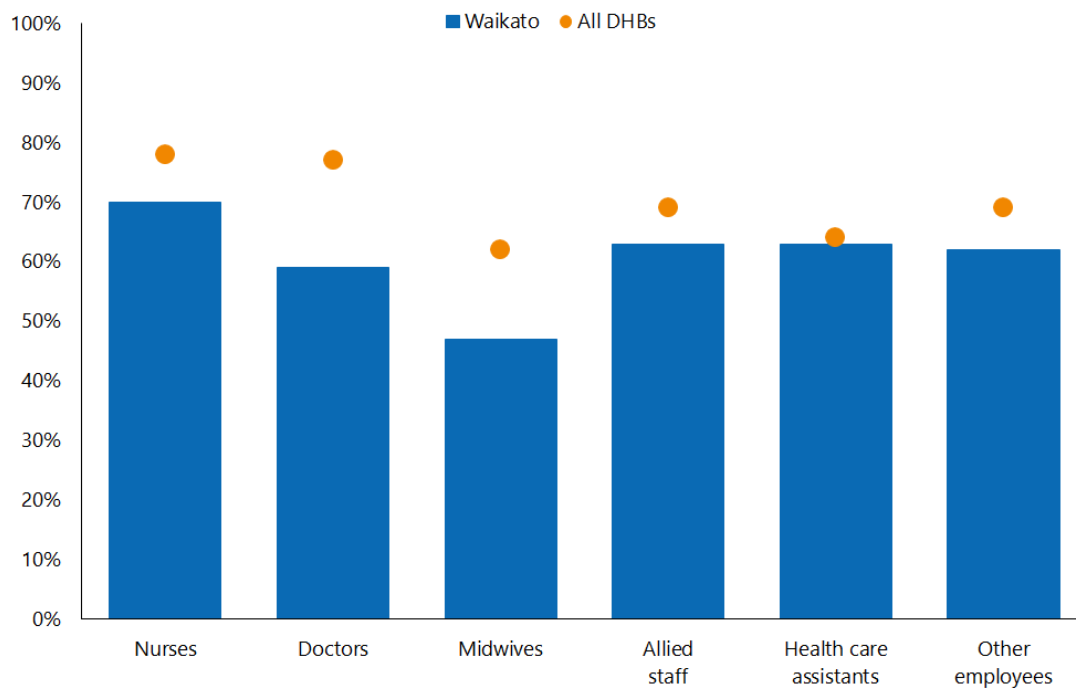
**Figure 22: Tairāwhiti DHB 2019 workforce influenza immunisation coverage rates**



**Figure 23: Taranaki DHB 2019 workforce influenza immunisation coverage rates**

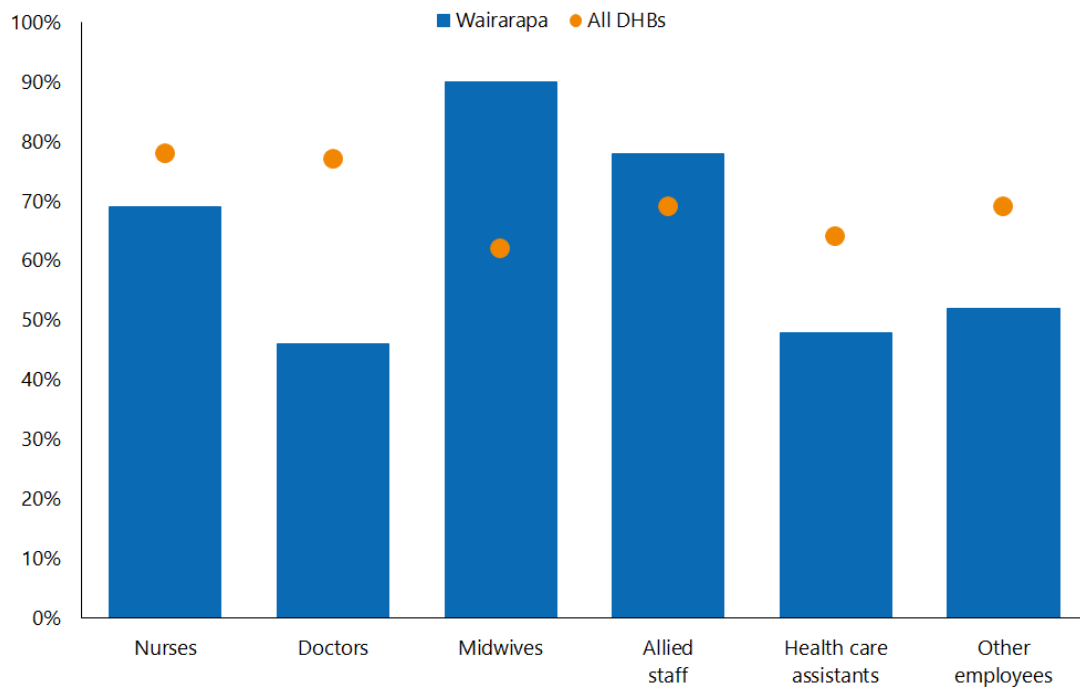


**Figure 24: Waikato DHB 2019 workforce influenza immunisation coverage rates**

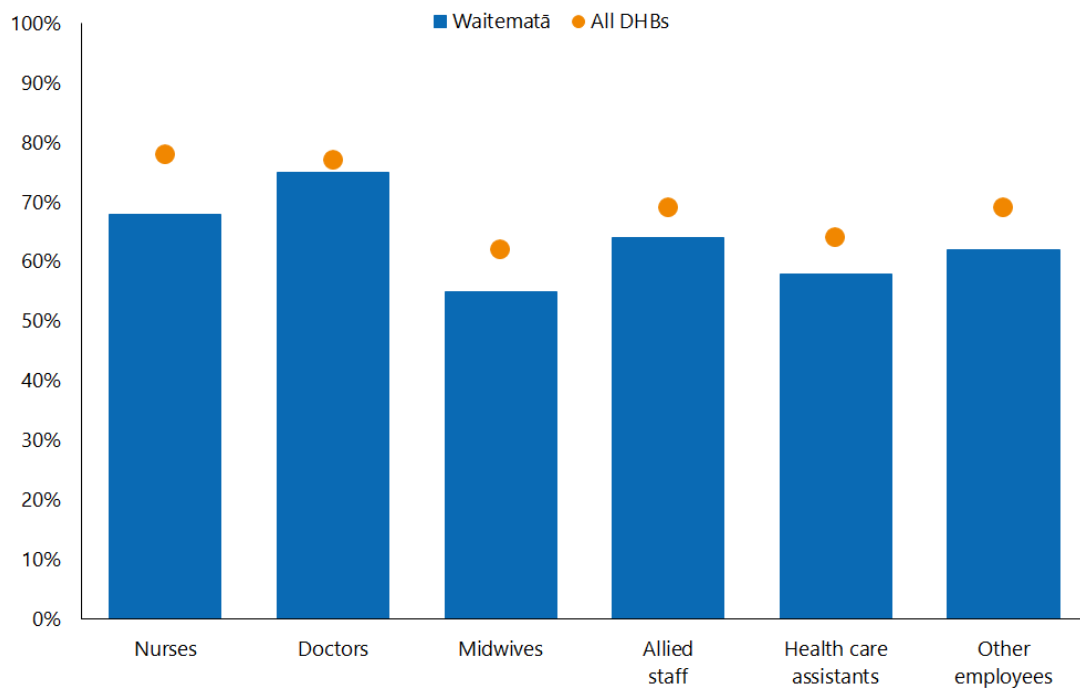




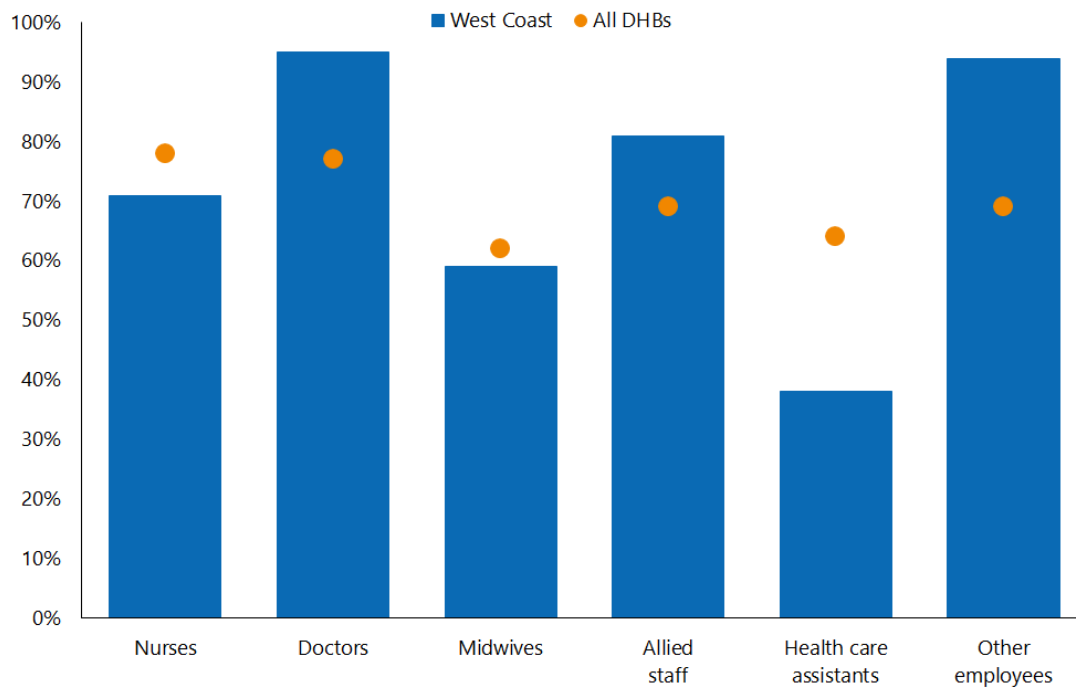
**Figure 25: Wairarapa DHB 2019 workforce influenza immunisation coverage rates**



**Figure 26: Waitematā DHB 2019 workforce influenza immunisation coverage rates**



**Figure 27: West Coast DHB 2019 workforce influenza immunisation coverage rates**



**Figure 28: Whanganui DHB 2019 workforce influenza immunisation coverage rates**

