

# **2020 DHB Health Care Worker Influenza Immunisation Coverage**

Citation: Ministry of Health. 2021. *2020 DHB Health Care Worker Influenza Immunisation Coverage*. Wellington: Ministry of Health.

Published in February 2021 by the Ministry of Health  
PO Box 5013, Wellington 6140, New Zealand

ISBN 978-1-99-002965-3 (online)  
HP 7511



This document is available at [health.govt.nz](https://health.govt.nz)



This work is licensed under the Creative Commons Attribution 4.0 International licence. In essence, you are free to: share ie, copy and redistribute the material in any medium or format; adapt ie, remix, transform and build upon the material. You must give appropriate credit, provide a link to the licence and indicate if changes were made.

# 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 2015–2020</b>	<b>5</b>
<b>Comparison of DHB health care worker coverage by DHB 2018–2020</b>	<b>6</b>
<b>Comparison of DHB health care worker coverage by occupation 2018–2020</b>	<b>7</b>
Appendix 1: DHB health care worker influenza immunisation coverage rates 2017–2020	12
Appendix 2: 2020 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 2015–2020	5
Figure 2: DHB health care worker influenza immunisation coverage by DHB 2018–2020	6
Figure 3: DHB health care worker influenza immunisation coverage by occupation 2018–2020	7
Figure 4: Nurses’ influenza immunisation coverage by DHB 2018–2020	8
Figure 5: Doctors’ influenza immunisation coverage by DHB 2018–2020	8
Figure 6: Midwives’ influenza immunisation coverage by DHB 2018–2020	9
Figure 7: Allied health staff influenza immunisation coverage by DHB 2018–2020	10
Figure 8: Health care assistants’ influenza immunisation coverage by DHB 2018–2020	10
Figure 9: Other employees’ influenza immunisation coverage by DHB 2018–2020	11
Figure 10: Auckland DHB 2020 workforce influenza immunisation coverage rates	13

Figure 11: Bay of Plenty DHB 2020 workforce influenza immunisation coverage rates	14
Figure 12: Canterbury DHB 2020 workforce influenza immunisation coverage rates	14
Figure 13: Capital & Coast DHB 2020 workforce influenza immunisation coverage rates	15
Figure 14: Counties Manukau DHB 2020 workforce influenza immunisation coverage rates	15
Figure 15: Hawke’s Bay DHB 2020 workforce influenza immunisation coverage rates	16
Figure 16: Hutt Valley DHB 2020 workforce influenza immunisation coverage rates	16
Figure 17: Lakes DHB 2020 workforce influenza immunisation coverage rates	17
Figure 18: MidCentral DHB 2020 workforce influenza immunisation coverage rates	17
Figure 19: Nelson–Marlborough DHB 2020 workforce influenza immunisation coverage rates	18
Figure 20: Northland DHB 2020 workforce influenza immunisation coverage rates	18
Figure 21: South Canterbury DHB 2020 workforce influenza immunisation coverage rates	19
Figure 22: Southern DHB 2020 workforce influenza immunisation coverage rates	19
Figure 23: Tairāwhiti DHB 2020 workforce influenza immunisation coverage rates	20
Figure 24: Taranaki DHB 2020 workforce influenza immunisation coverage rates	20
Figure 25: Waikato DHB 2020 workforce influenza immunisation coverage rates	21
Figure 26: Wairarapa DHB 2020 workforce influenza immunisation coverage rates	21
Figure 27: Waitemātā DHB 2020 workforce influenza immunisation coverage rates	22
Figure 28: West Coast DHB 2020 workforce influenza immunisation coverage rates	22
Figure 29: Whanganui DHB 2020 workforce influenza immunisation coverage rates	23

# 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 2020 was 77 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 health 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.

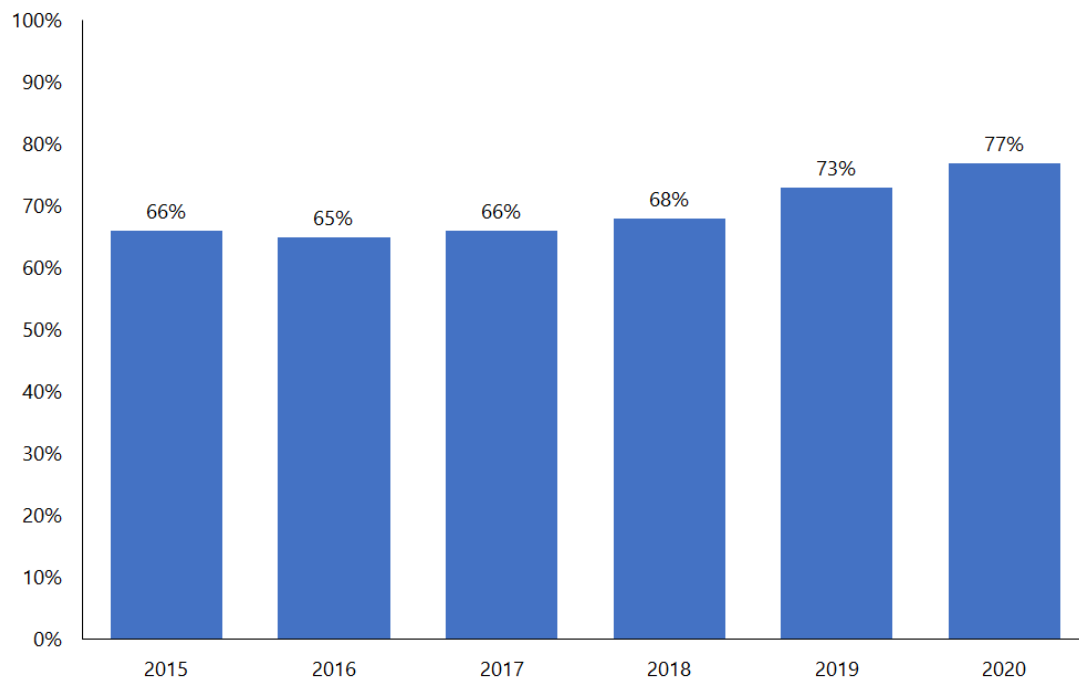
# DHB staff vaccinated elsewhere

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 2015–2020

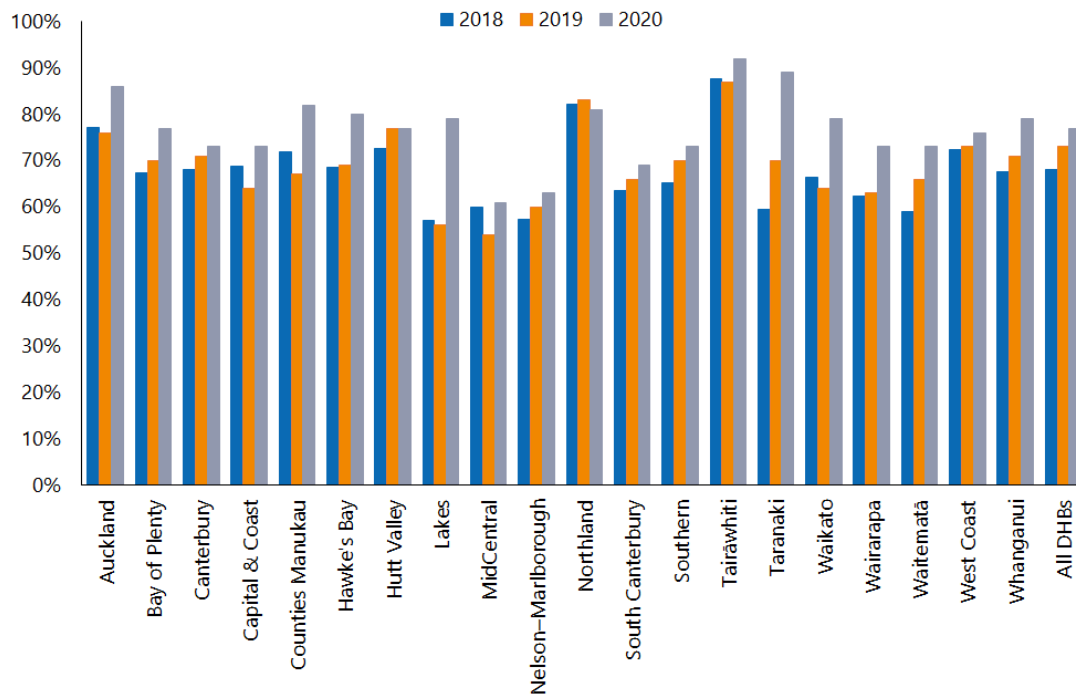
**Figure 1: Total DHB health care worker influenza immunisation coverage 2015–2020**



Total DHB HCW influenza immunisation coverage rates significantly increased in the past two years with 77 percent recorded in 2020, the highest coverage to date.

# Comparison of DHB health care worker coverage by DHB 2018–2020

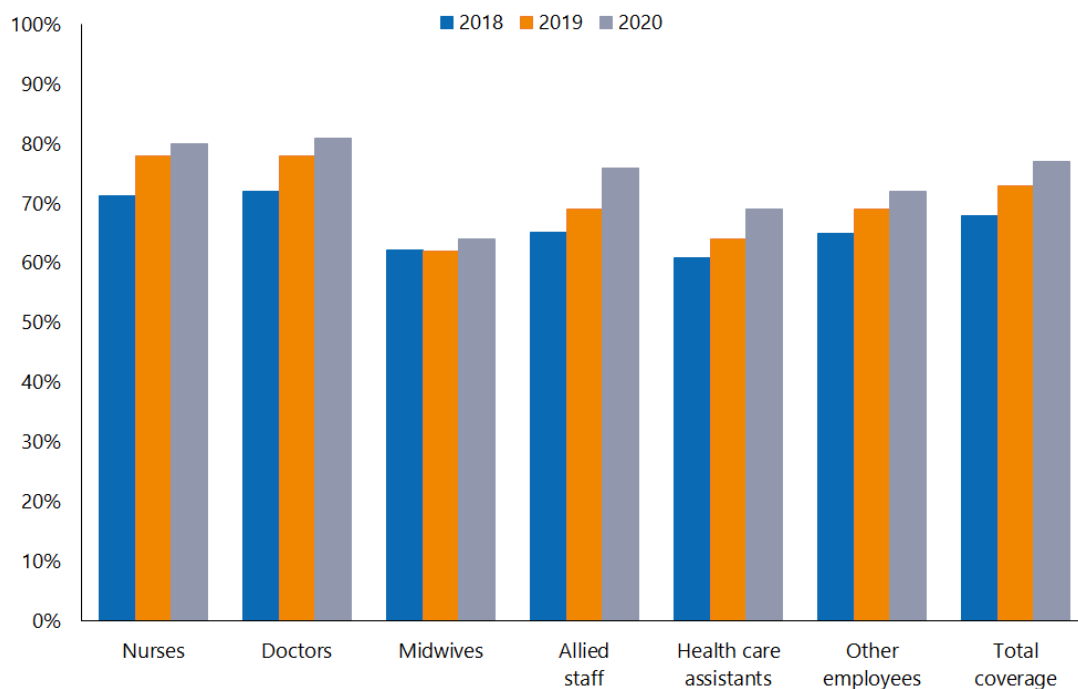
**Figure 2: DHB health care worker influenza immunisation coverage by DHB 2018–2020**



DHB HCW influenza immunisation coverage rates increased across the board 2020, with the exception of Northland and Hutt Valley DHBs. DHBs achieved an average of 77 percent, a 4 percent increase from 2019. Seventeen DHBs achieved coverage over 70 percent, with six DHBs (Auckland, Counties Manukau, Hawke's Bay, Northland, Tairāwhiti and Taranaki) achieving the target of 80 percent or over. The most significant increase in coverage was seen in Lakes DHB with an increase of 23 percent from 2019.

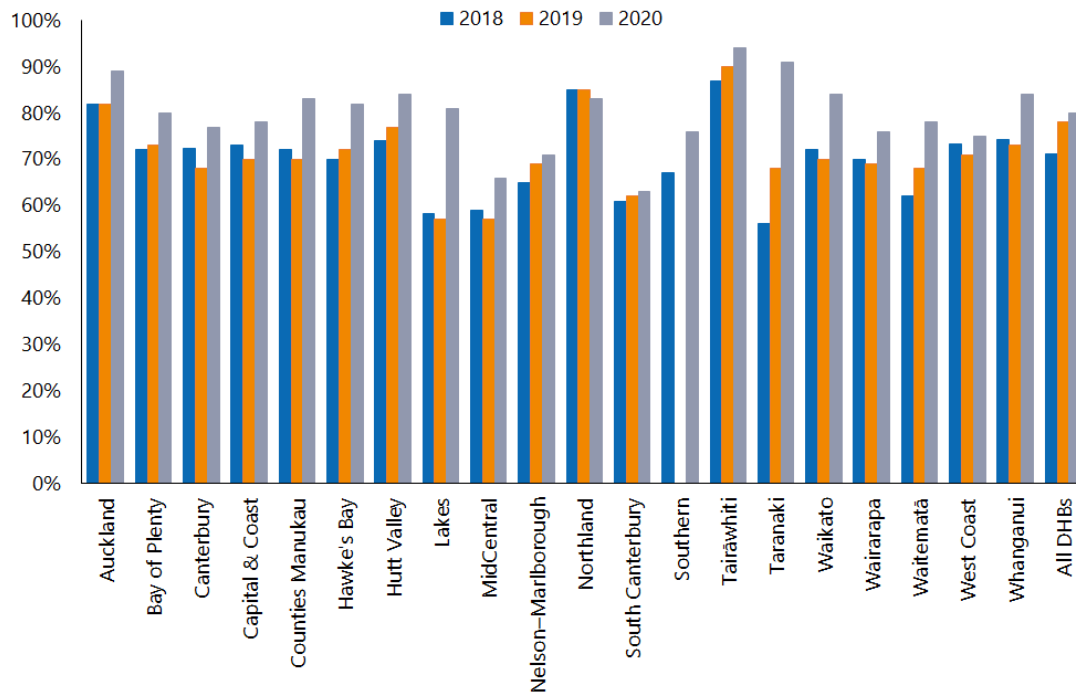
# Comparison of DHB health care worker coverage by occupation 2018–2020

**Figure 3: DHB health care worker influenza immunisation coverage by occupation 2018–2020**



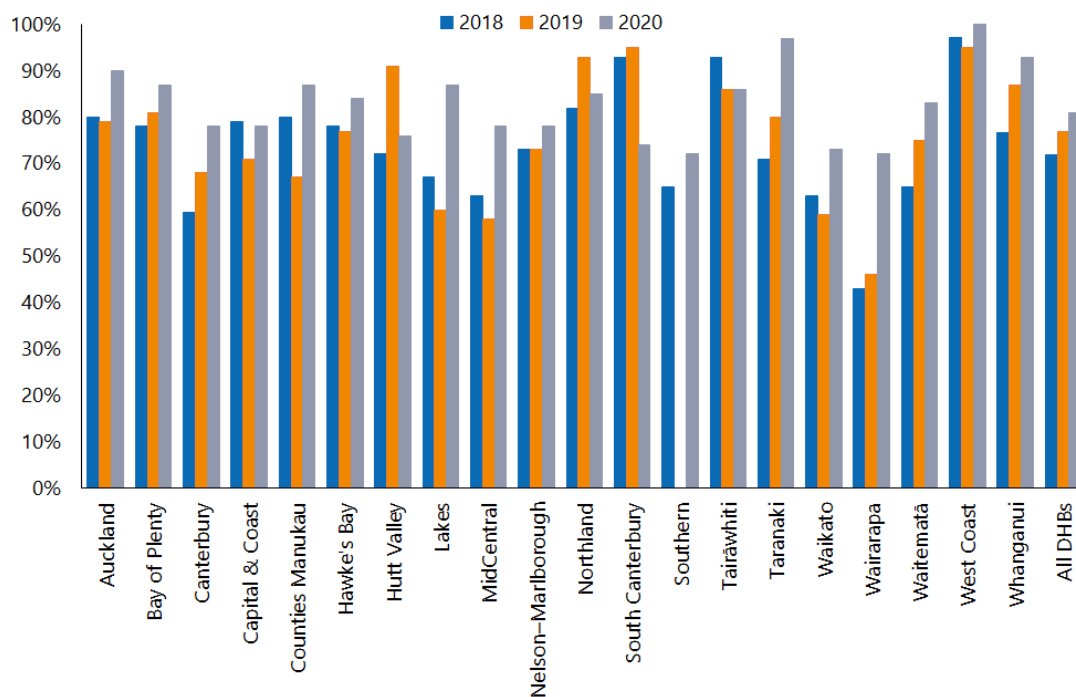
DHB HCW total influenza immunisation coverage by occupation has increased across all occupational groups in 2020. The increase varied from 2 to 7 percent. Note: In 2018, health care assistants were included as a separate occupational group; previously they may have been recorded under other occupational groupings.

**Figure 4: Nurses' influenza immunisation coverage by DHB 2018–2020**



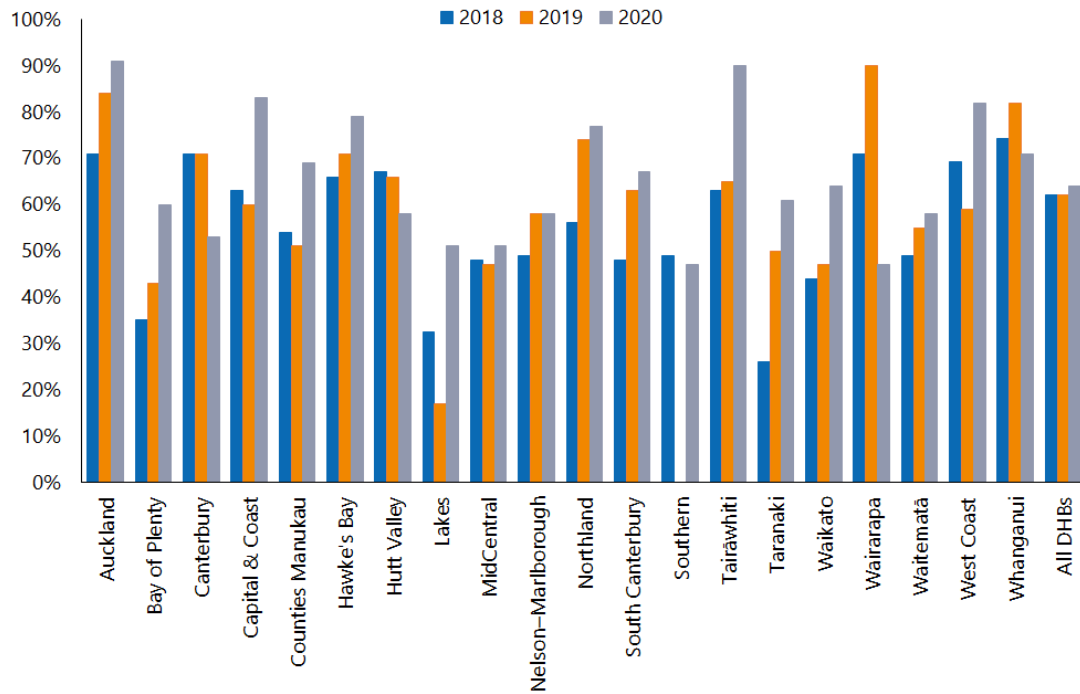
The 2020 total influenza immunisation coverage rate for DHB nurses averaged 80 percent, an increase of 2 percent from 2019. All but one DHB increased their nursing staff coverage with Auckland, Bay of Plenty, Counties Manukau, Hawke's Bay, Hutt Valley, Lakes, Northland, Tairāwhiti, Taranaki, Waikato, and Whanganui reporting 80 percent or over. The largest increase was 24 percent in Lakes.

**Figure 5: Doctors' influenza immunisation coverage by DHB 2018–2020**



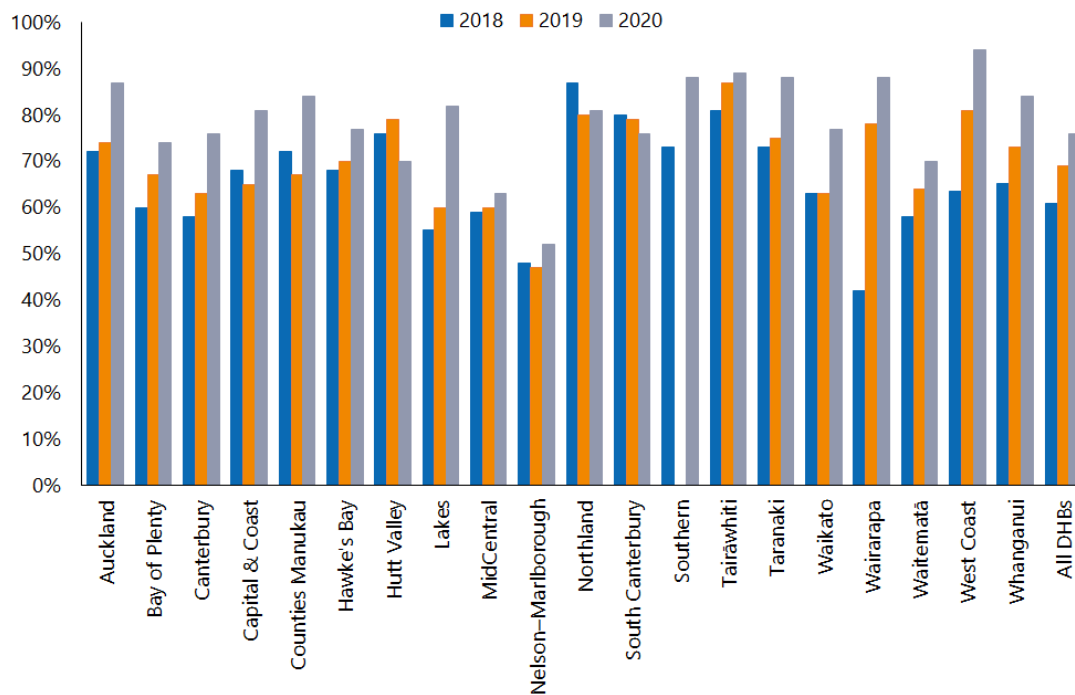
The 2020 total influenza immunisation coverage rate for DHB doctors has increased by 4 percent with Auckland, Bay of Plenty, Counties Manukau, Hawke’s Bay, Lakes, Northland, Tairāwhiti, Taranaki, Waitemata, West Coast and Whanganui reporting coverage over 80 percent.

**Figure 6: Midwives’ influenza immunisation coverage by DHB 2018–2020**



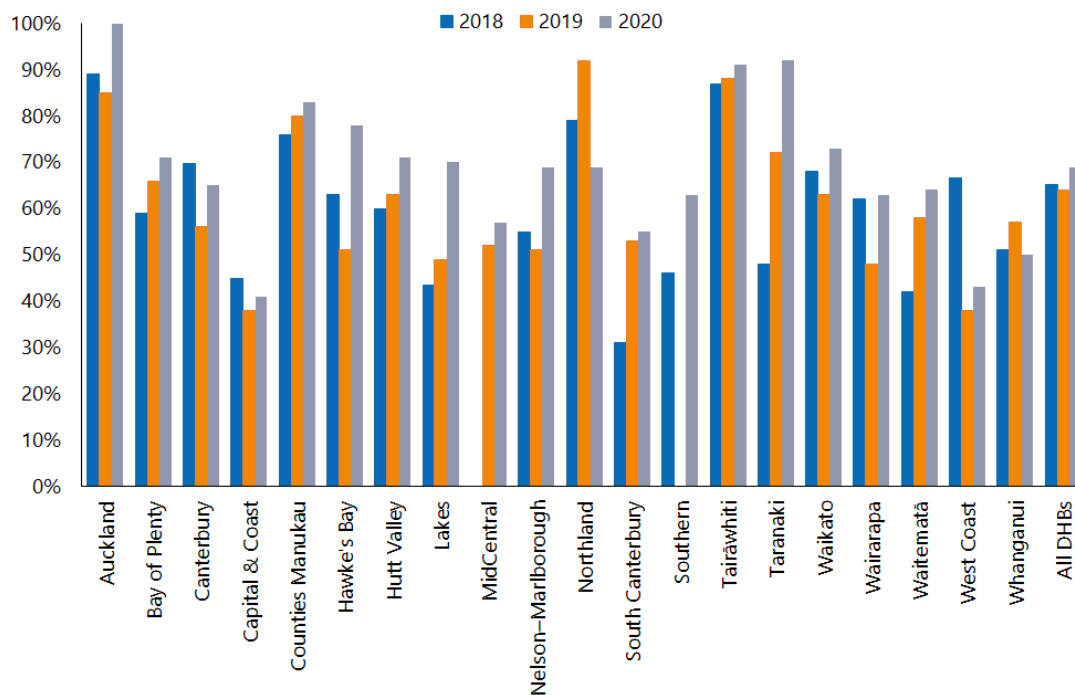
The 2020 total influenza immunisation coverage rate for DHB midwives increased by two percent from 2018 and 2019. Coverage improved in all but four DHBs and Auckland, Capital & Coast, Tairāwhiti and West Coast achieved over 80 percent.

**Figure 7: Allied health staff influenza immunisation coverage by DHB 2018–2020**



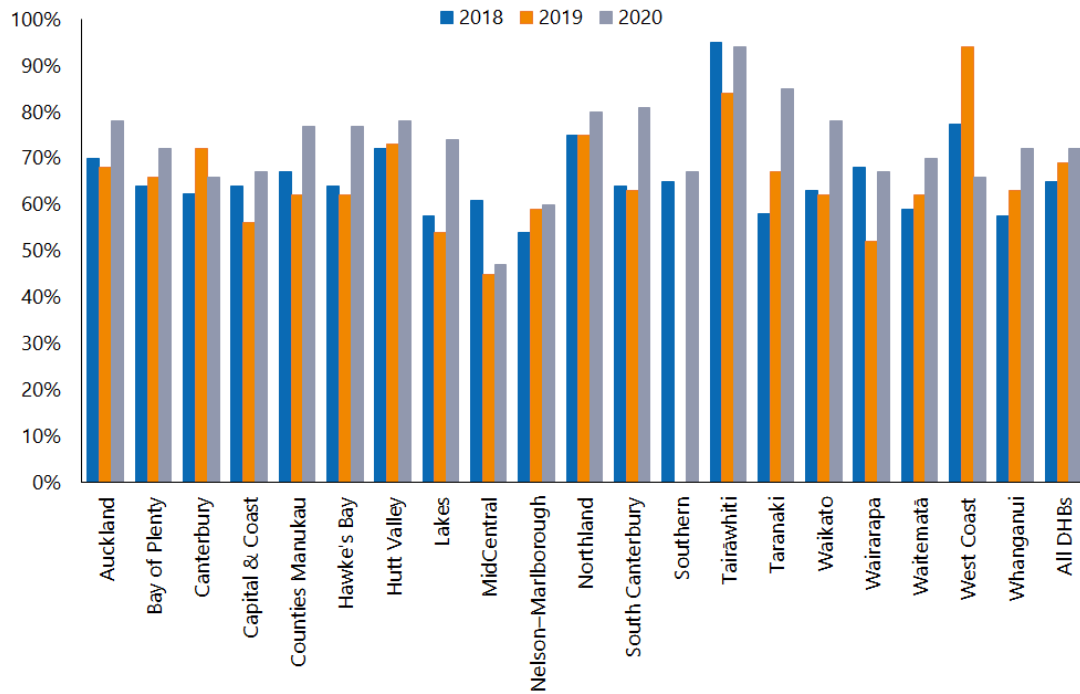
The 2020 total influenza immunisation coverage rate for DHB allied health staff has increased by 7 percent this year. Auckland, Capital & Coast, Counties Manukau, Lakes, Northland, Southern, Tairāwhiti, Taranaki, Wairarapa, West Coast and Whanganui DHBs have achieved the 80 percent target for this occupational group.

**Figure 8: Health care assistants' influenza immunisation coverage by DHB 2018–2020**



Health care assistants are a group that was added to the reporting for DHB HCW influenza coverage in 2018. Auckland, Counties Manukau, Tairāwhiti and Taranaki exceeded the 80 percent target in this group. Hawke’s Bay DHB has increased their coverage in this group by 27 percent from 2019.

**Figure 9: Other employees’ influenza immunisation coverage by DHB 2018–2020**



The 2020 total influenza immunisation coverage rate for other DHB employees increased by 3 percent from 2019. Northland, South Canterbury, Tairāwhiti and Taranaki achieved 80 percent for this group. Lakes DHB increased coverage in this group by 20 percent.

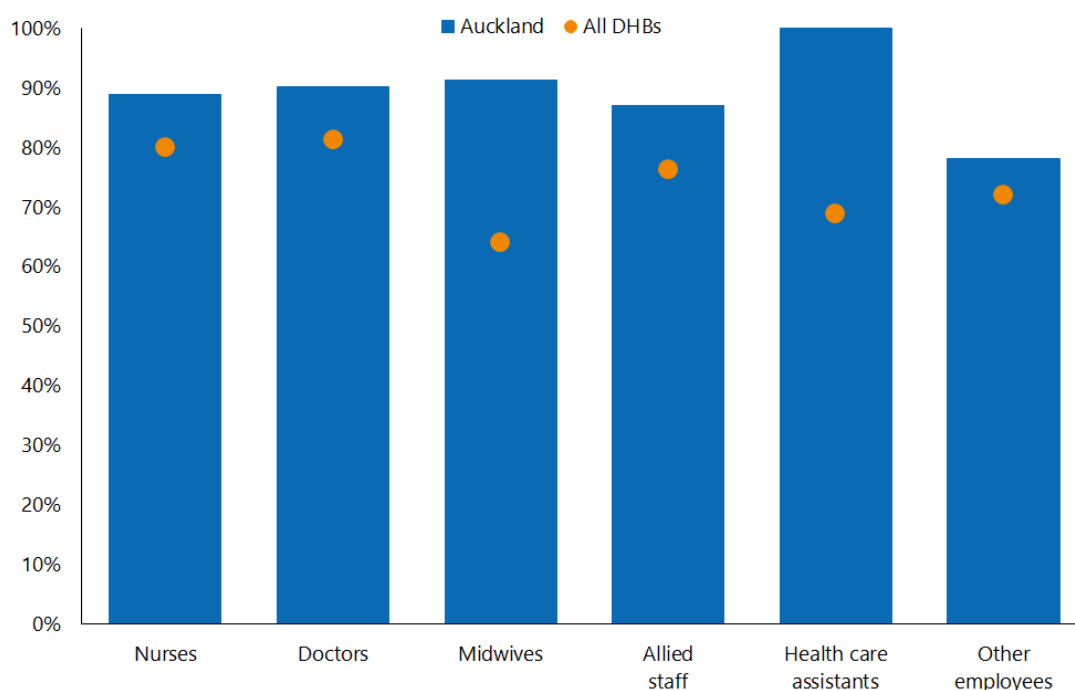
# Appendix 1: DHB health care worker influenza immunisation coverage rates 2017–2020

District Health Boards	Nurses				Doctors				Midwives				Allied health staff				Health care assistants			Other employees				Total coverage			
	2017 %	2018 %	2019 %	2020 %	2017 %	2018 %	2019 %	2020 %	2017 %	2018 %	2019 %	2020 %	2017 %	2018 %	2019 %	2020 %	2018 %	2019 %	2020 %	2017 %	2018 %	2019 %	2020 %	2017 %	2018 %	2019 %	2020 %
Auckland	81	82	82	89	76	80	79	90	78	71	84	91	69	72	74	87	89	85	100	68	70	68	78	74	77	76	86
Bay of Plenty	69	72	73	80	81	78	81	87	43	35	43	60	61	60	67	74	59	66	71	65	64	66	72	67	67	70	77
Canterbury	63	72	68	77	66	59	68	78	59	71	71	53	57	58	63	76	70	56	65	69	62	72	66	64	68	71	73
Capital & Coast	69	73	70	78	80	79	71	78	50	63	60	83	68	68	65	81	45	38	41	58	64	56	67	67	69	64	73
Counties Manukau	70	72	70	83	70	80	67	87	47	54	51	69	65	72	67	84	76	80	83	64	67	62	77	67	72	67	82
Hawke's Bay	59	70	72	82	70	78	77	84	63	66	71	79	59	68	70	77	63	51	78	54	64	62	77	59	69	69	80
Hutt Valley	68	74	77	84	66	72	91	76	62	67	66	58	56	76	79	70	60	63	71	77	72	73	78	67	73	77	77
Lakes	49	58	57	81	66	67	60	87	29	33	17	51	52	55	60	82	43	49	70	53	58	54	74	52	57	56	79
MidCentral	55	59	57	66	69	63	58	78	32	48	47	51	55	59	60	63	0	52	57	55	61	45	47	56	60	54	61
Nelson–Marlborough	57	65	69	71	65	73	73	78	51	49	58	58	41	48	47	52	55	51	69	49	54	59	60	51	57	60	63
Northland	81	85	85	83	84	82	93	85	60	56	74	77	77	87	80	81	79	92	69	70	75	75	80	78	82	83	81
South Canterbury	62	61	62	63	76	93	95	74	39	48	63	67	67	80	79	76	31	53	55	46	64	63	81	57	64	66	69
Southern	61	67		76	70	65		72	60	49		47	58	73		88	46		63	73	65		67	64	65	70	73
Tairāwhiti	84	87	90	94	85	93	86	86	88	63	65	90	80	81	87	89	87	88	91	90	95	84	94	84	88	87	92
Taranaki	60	56	68	91	69	71	80	97	41	26	50	61	63	73	75	88	48	72	92	57	58	67	85	60	59	70	89
Waikato	81	72	70	84	72	63	59	73	66	44	47	64	79	63	63	77	68	63	73	72	63	62	78	76	66	64	79
Wairarapa	47	70	69	76	68	43	46	72	52	71	90	47	81	42	78	88	62	48	63	67	68	52	67	58	62	63	73
Waitematā	68	62	68	78	63	65	75	83	37	49	55	58	50	58	64	70	42	58	64	44	59	62	70	56	59	66	73
West Coast	62	73	71	75	87	97	95	100	46	69	59	82	60	64	81	94	67	38	43	51	77	94	66	59	72	73	76
Whanganui	69	74	73	84	83	77	87	93	68	74	82	71	72	65	73	84	51	57	50	57	58	63	72	67	68	71	79
<b>All DHBs</b>	<b>68</b>	<b>72</b>	<b>78</b>	<b>80</b>	<b>72</b>	<b>72</b>	<b>78</b>	<b>81</b>	<b>54</b>	<b>63</b>	<b>62</b>	<b>64</b>	<b>61</b>	<b>61</b>	<b>69</b>	<b>76</b>	<b>65</b>	<b>64</b>	<b>69</b>	<b>63</b>	<b>66</b>	<b>69</b>	<b>72</b>	<b>66</b>	<b>68</b>	<b>73</b>	<b>77</b>

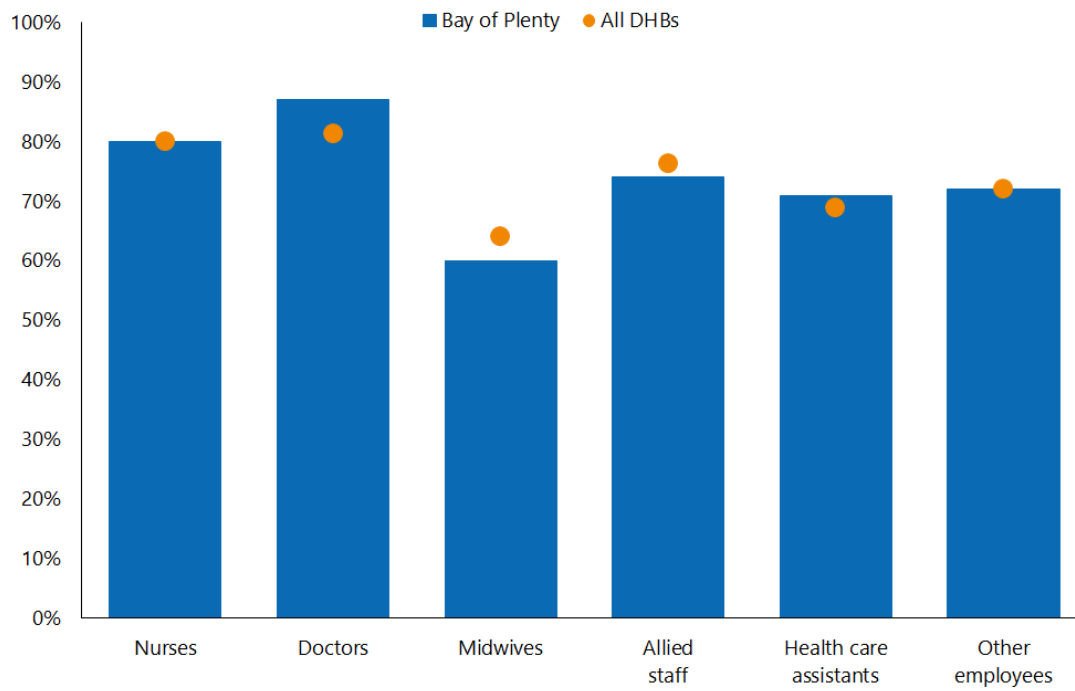


## Appendix 2: 2020 DHB health care worker influenza immunisation coverage by occupation (in alphabetical order)

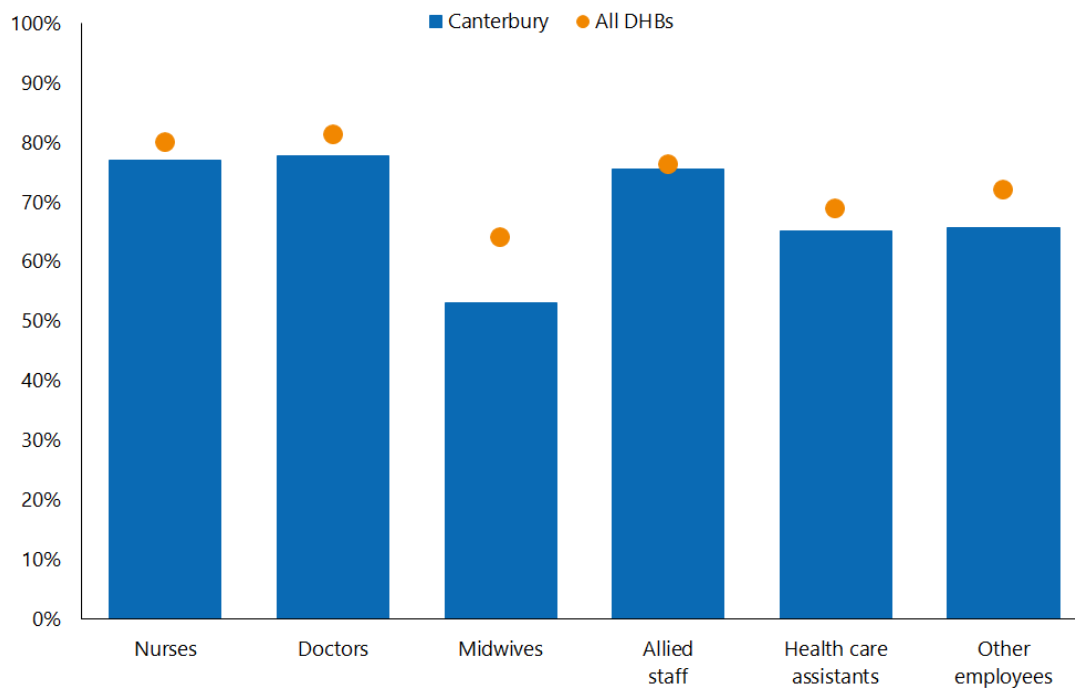
Figure 10: Auckland DHB 2020 workforce influenza immunisation coverage rates



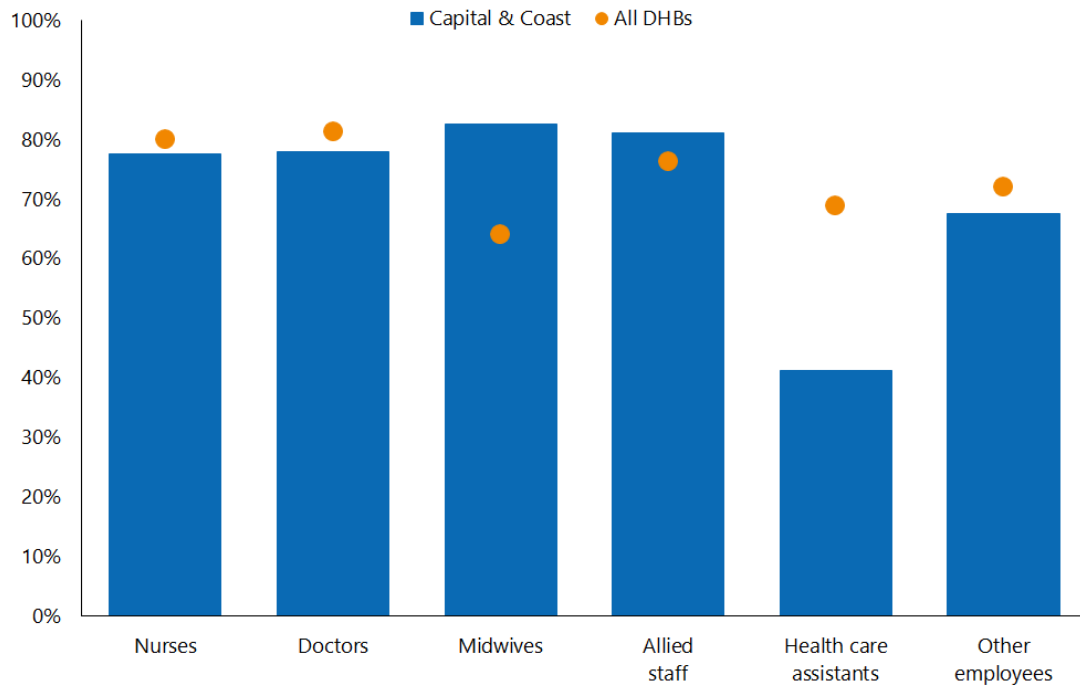
**Figure 11: Bay of Plenty DHB 2020 workforce influenza immunisation coverage rates**



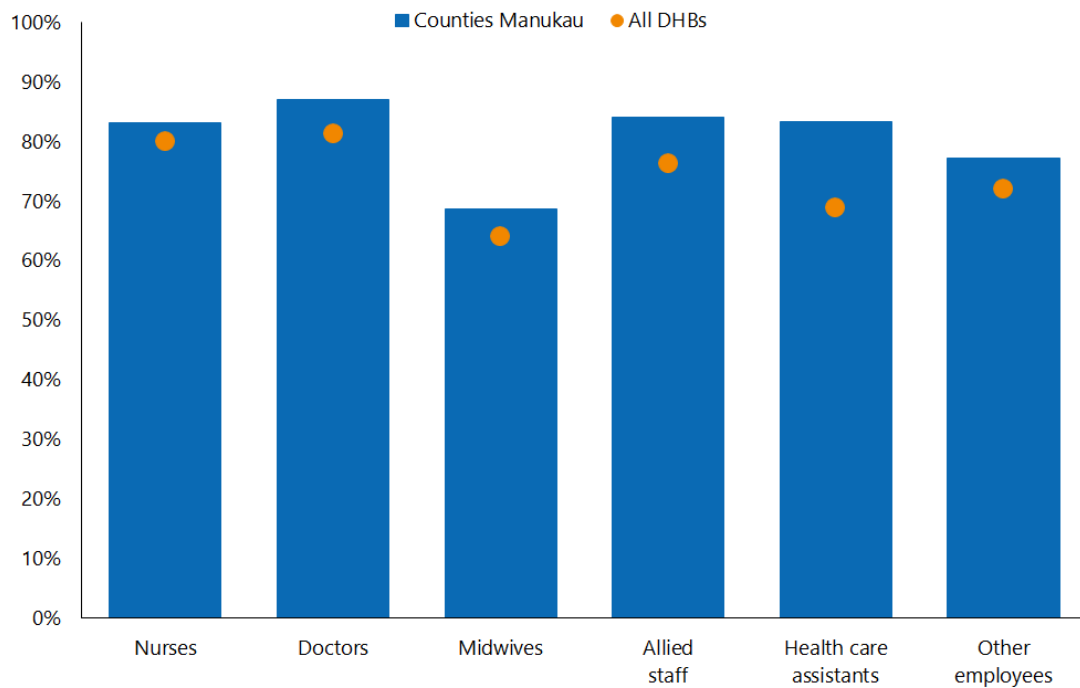
**Figure 12: Canterbury DHB 2020 workforce influenza immunisation coverage rates**



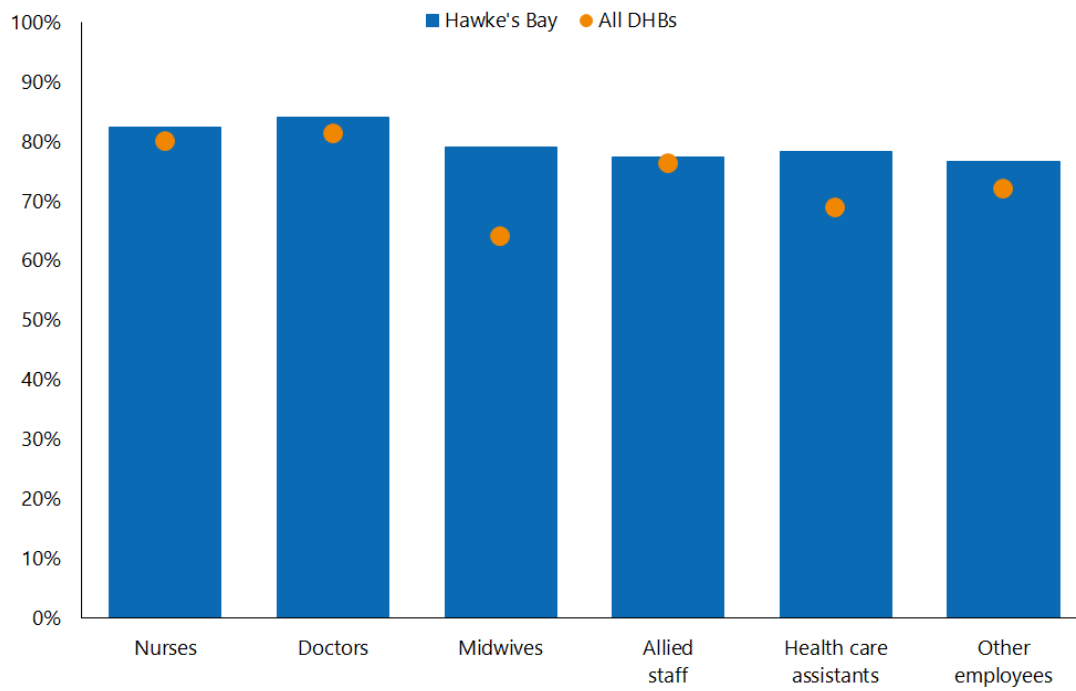
**Figure 13: Capital & Coast DHB 2020 workforce influenza immunisation coverage rates**



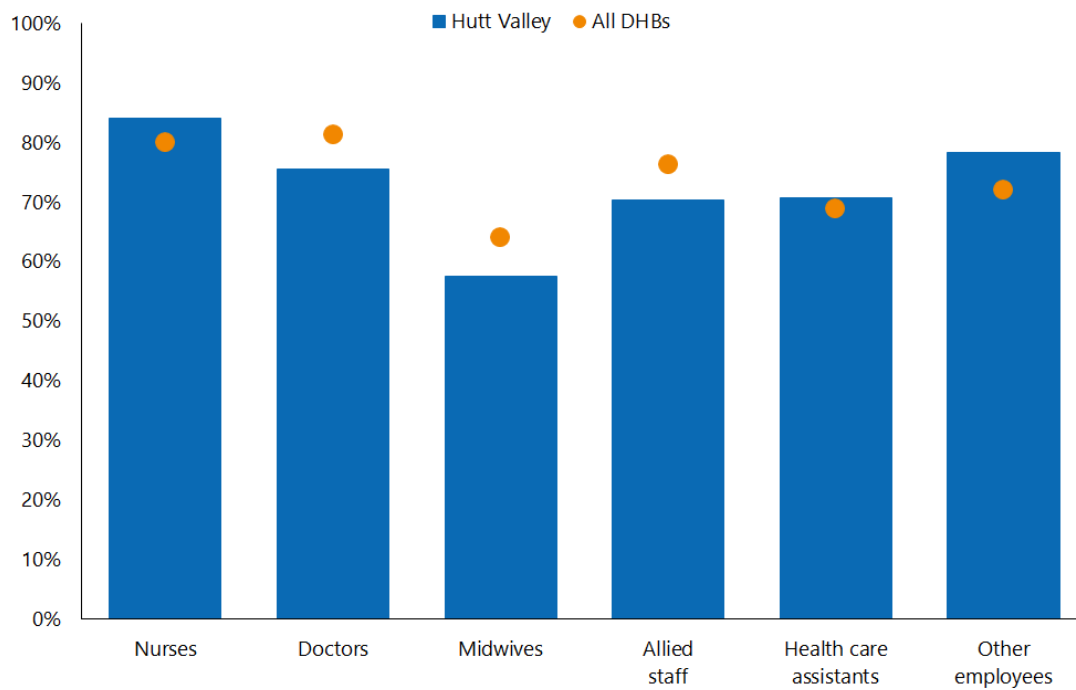
**Figure 14: Counties Manukau DHB 2020 workforce influenza immunisation coverage rates**



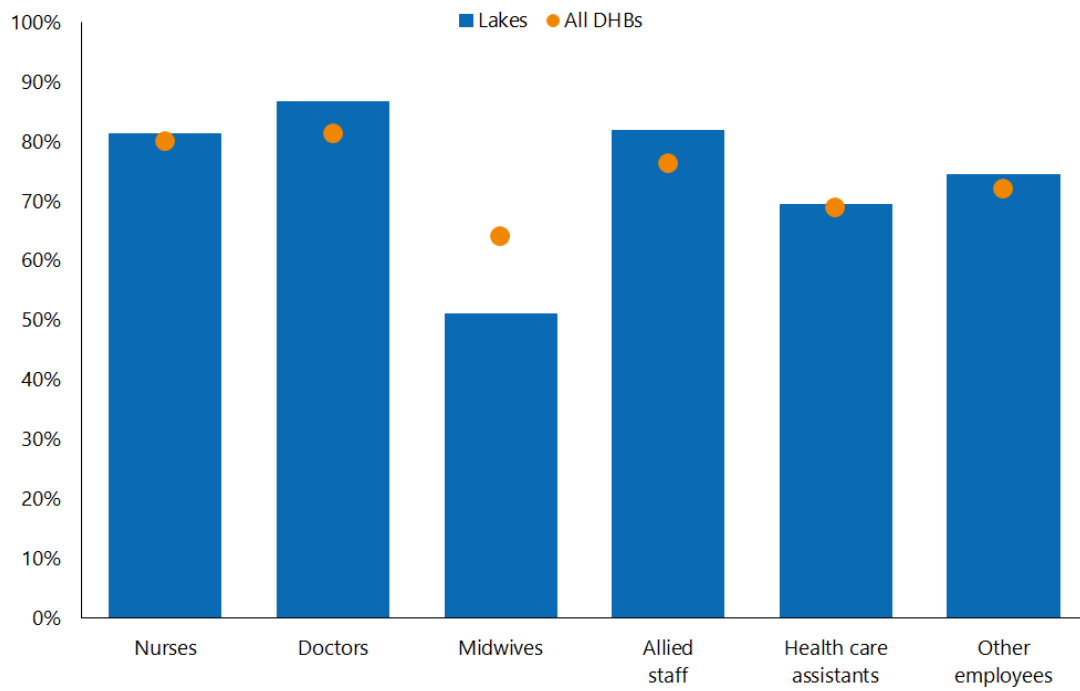
**Figure 15: Hawke's Bay DHB 2020 workforce influenza immunisation coverage rates**



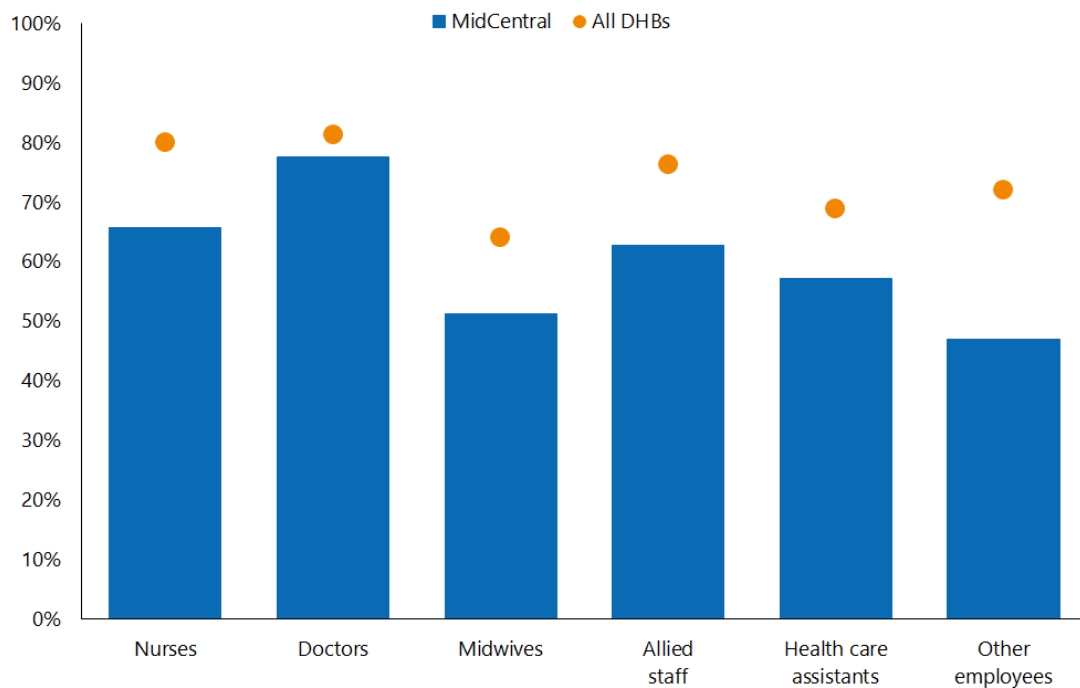
**Figure 16: Hutt Valley DHB 2020 workforce influenza immunisation coverage rates**



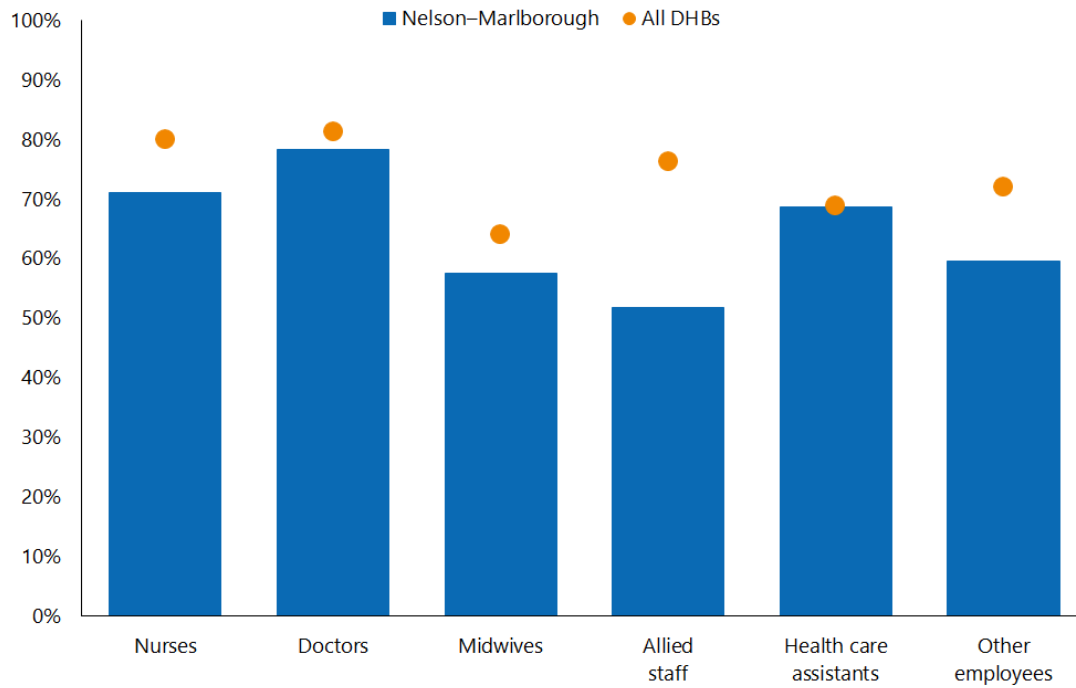
**Figure 17: Lakes DHB 2020 workforce influenza immunisation coverage rates**



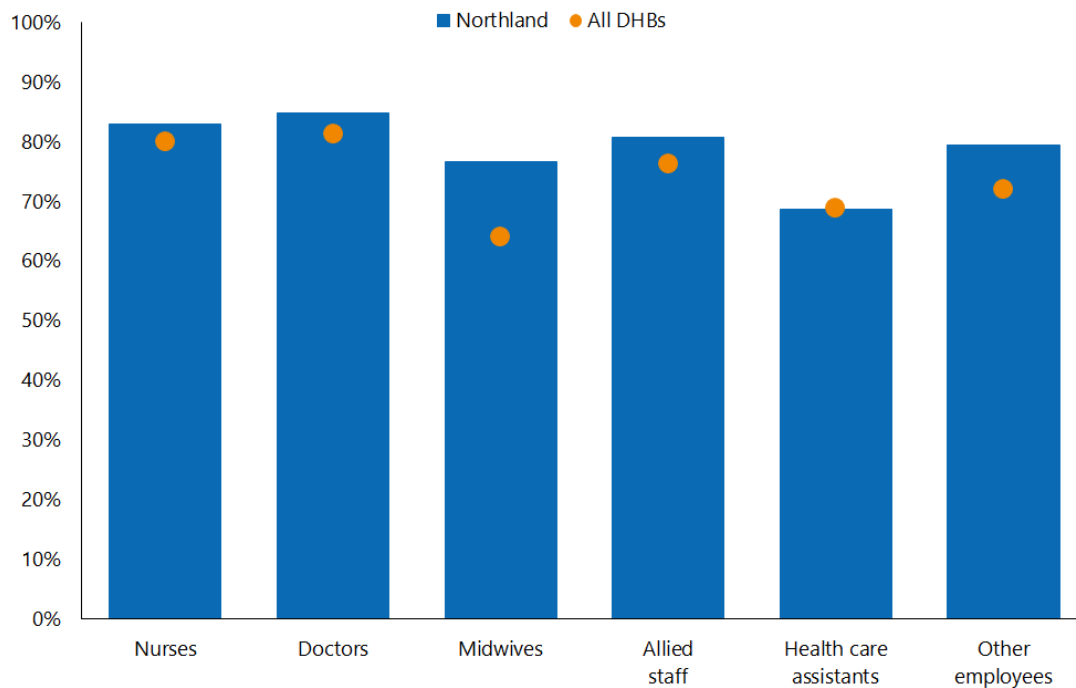
**Figure 18: MidCentral DHB 2020 workforce influenza immunisation coverage rates**



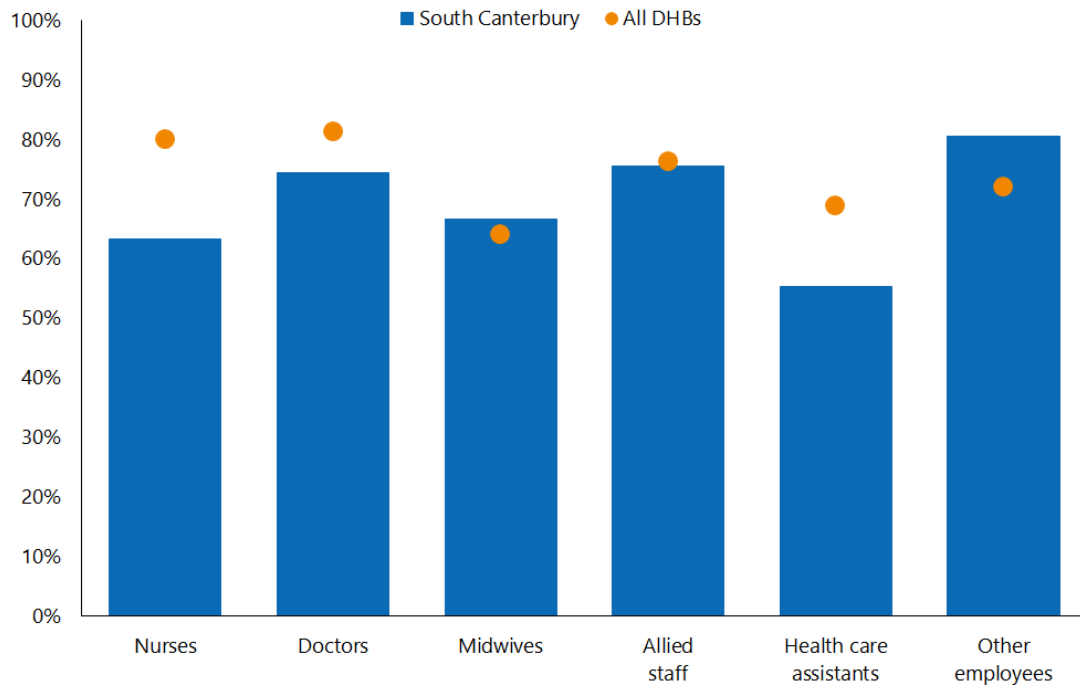
**Figure 19: Nelson–Marlborough DHB 2020 workforce influenza immunisation coverage rates**



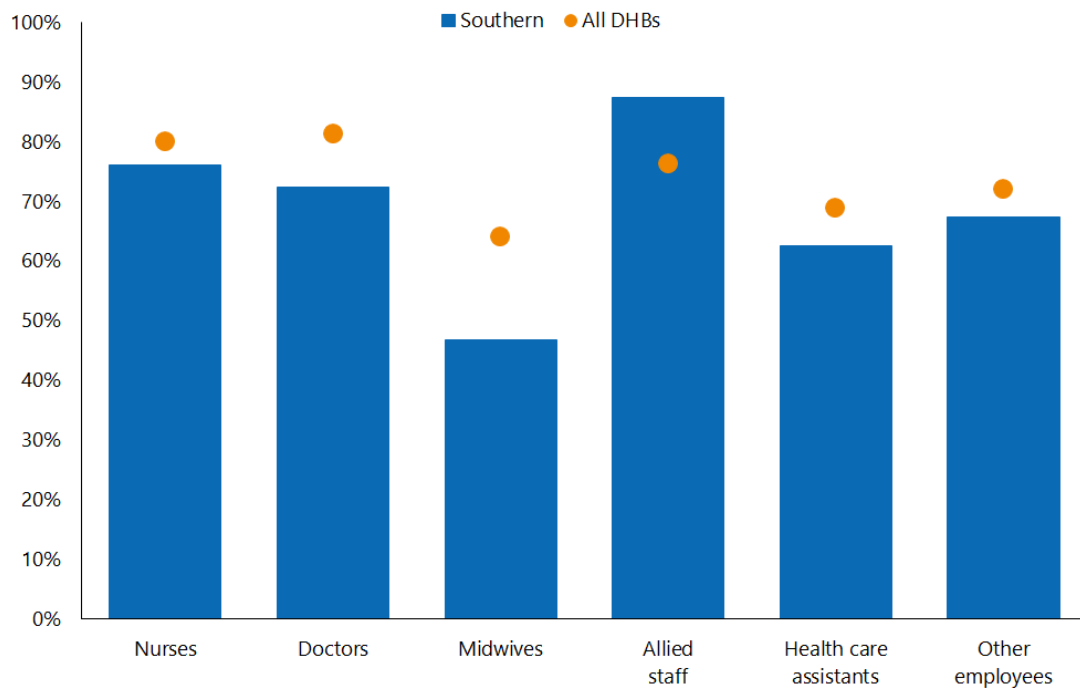
**Figure 20: Northland DHB 2020 workforce influenza immunisation coverage rates**



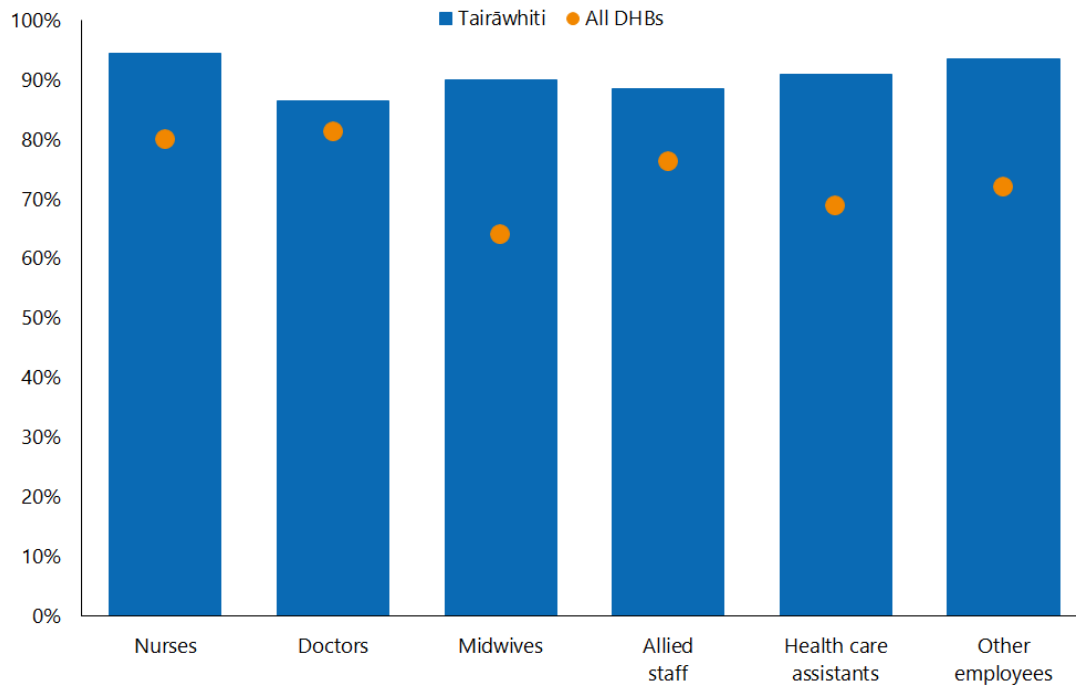
**Figure 21: South Canterbury DHB 2020 workforce influenza immunisation coverage rates**



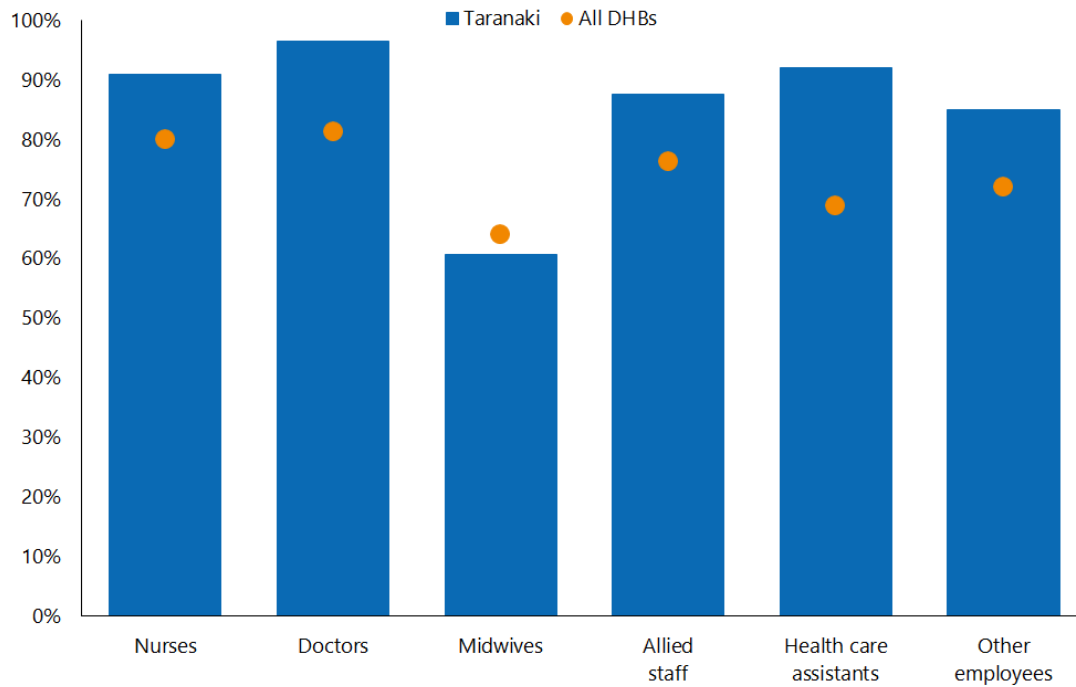
**Figure 22: Southern DHB 2020 workforce influenza immunisation coverage rates**



**Figure 23: Tairāwhiti DHB 2020 workforce influenza immunisation coverage rates**

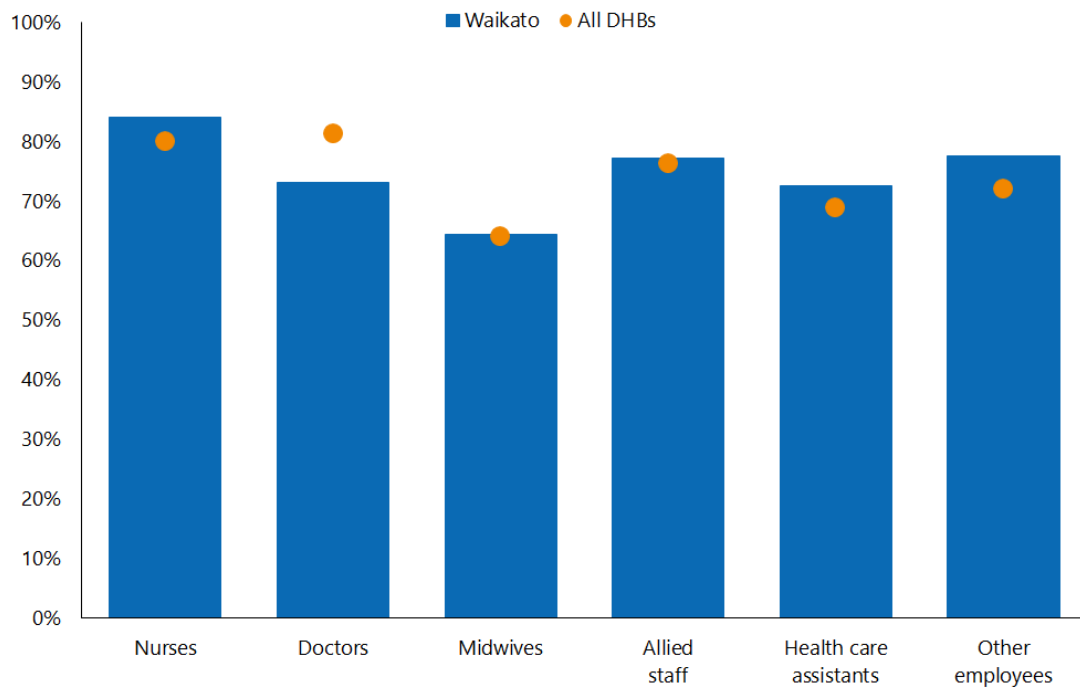


**Figure 24: Taranaki DHB 2020 workforce influenza immunisation coverage rates**

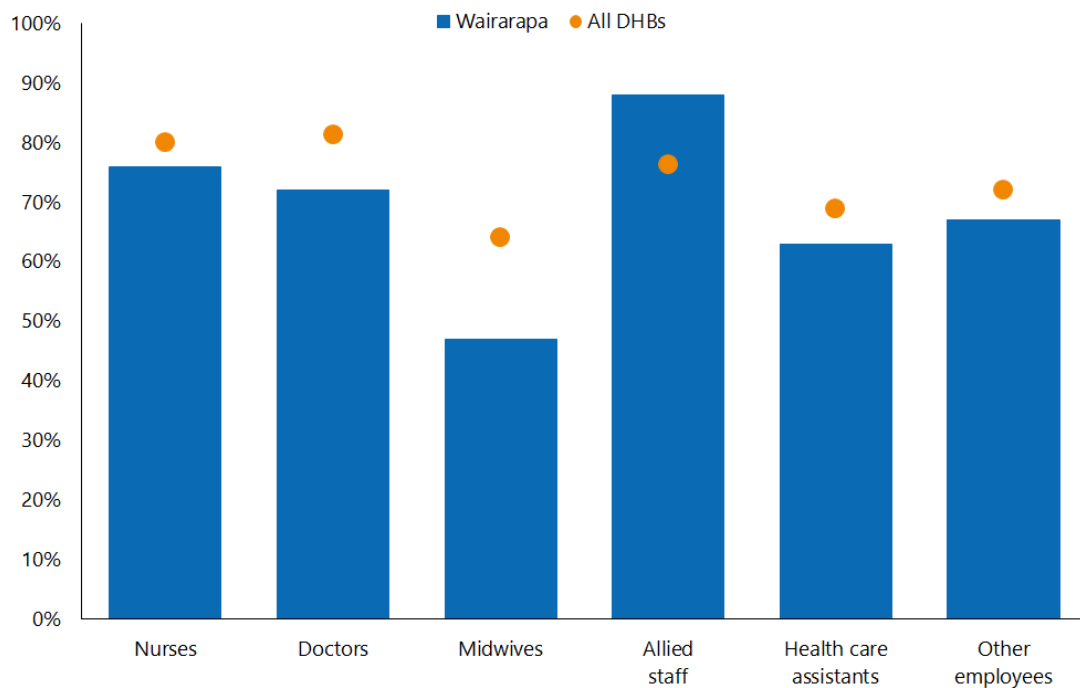




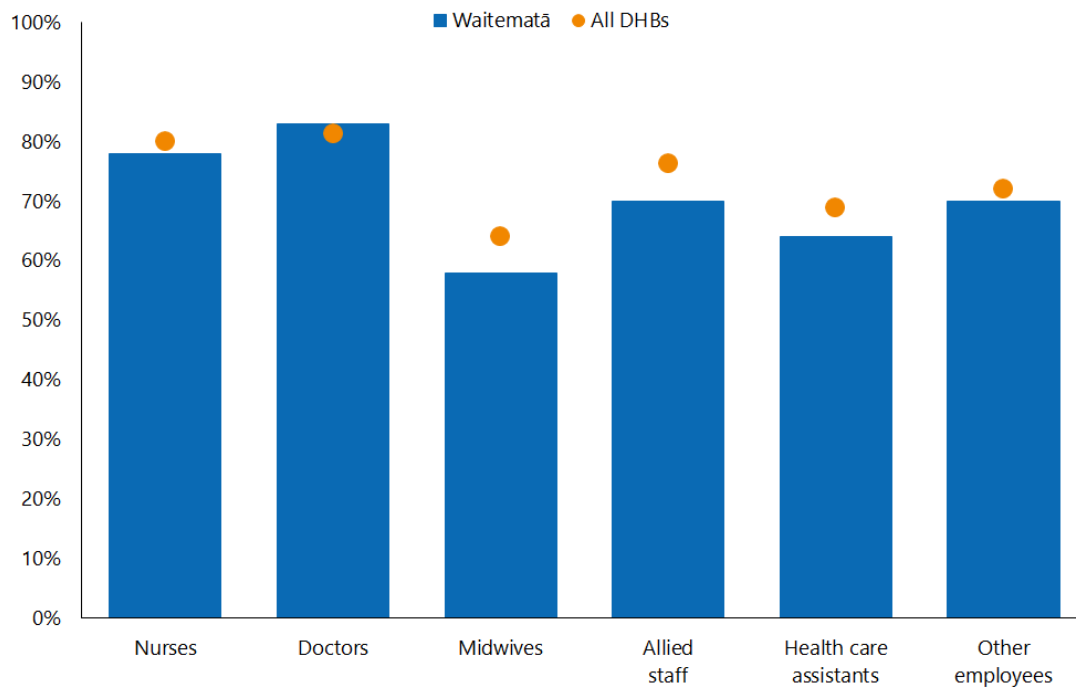
**Figure 25: Waikato DHB 2020 workforce influenza immunisation coverage rates**



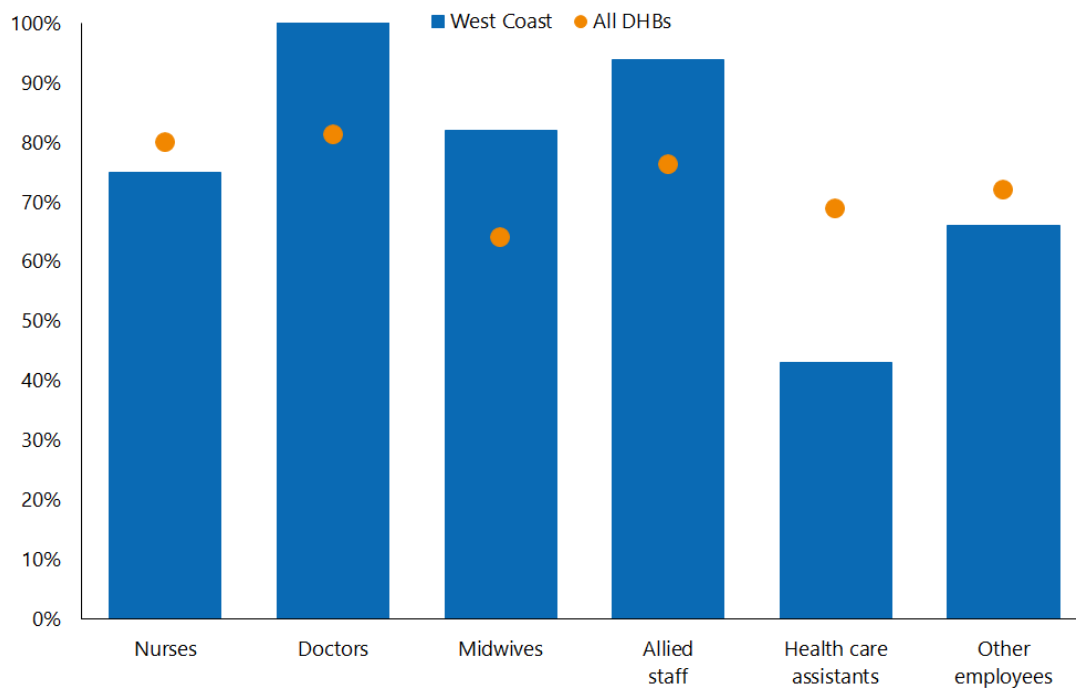
**Figure 26: Wairarapa DHB 2020 workforce influenza immunisation coverage rates**



**Figure 27: Waitematā DHB 2020 workforce influenza immunisation coverage rates**



**Figure 28: West Coast DHB 2020 workforce influenza immunisation coverage rates**



**Figure 29: Whanganui DHB 2020 workforce influenza immunisation coverage rates**

