

## Influenza vaccination coverage for staff of acute care facilities British Columbia, 2020/21 – Summary Report

### Background

Immunization coverage assessment is an important part of a quality immunization program and serves three main functions:

- i) Identifying populations with low levels of immunization coverage
- ii) Evaluating the delivery of immunization programs
- iii) Informing program planning

Targets for coverage among staff of acute care facilities at the provincial and national levels are 60% and 80%, respectively.<sup>1,2</sup>

### Objectives

To quantify the proportion of staff in BC acute care facilities who:

- i) Were vaccinated against influenza in the 2020/21 season
- ii) Self-reported their vaccination or vaccine declination including by job type

### Methods

Please refer to the separate Methods document for a full description of methods including definitions, data sources, and analyses as well as changes to methodology that should be used to interpret coverage trends over time.

### Results

Reporting of facilities (**Table 1**)

- All 92 acute care facilities in BC are included
- All 92 acute care facilities used data from the WHITE database

2020/21 influenza vaccination coverage (**Figures 1-3, Table 2**)

- 68% (49,193/72,455) of staff in acute care facilities in BC reported influenza vaccine receipt , the lowest since the Influenza Prevention Policy was enacted in 2012/2013
- 64% to 74% coverage was the range across the six health authorities
- 60% to 77% coverage was the range across the sixteen health service delivery areas and PHSA
- 24% to 90% coverage was the range across all acute care facilities in BC
- 59% to 78% coverage was the range across the 31 facilities with 500 or more staff
- 74/92 (80%) facilities met the Immunize BC coverage target of 60%
- 5/92 (5%) facilities met the national coverage target of 80%

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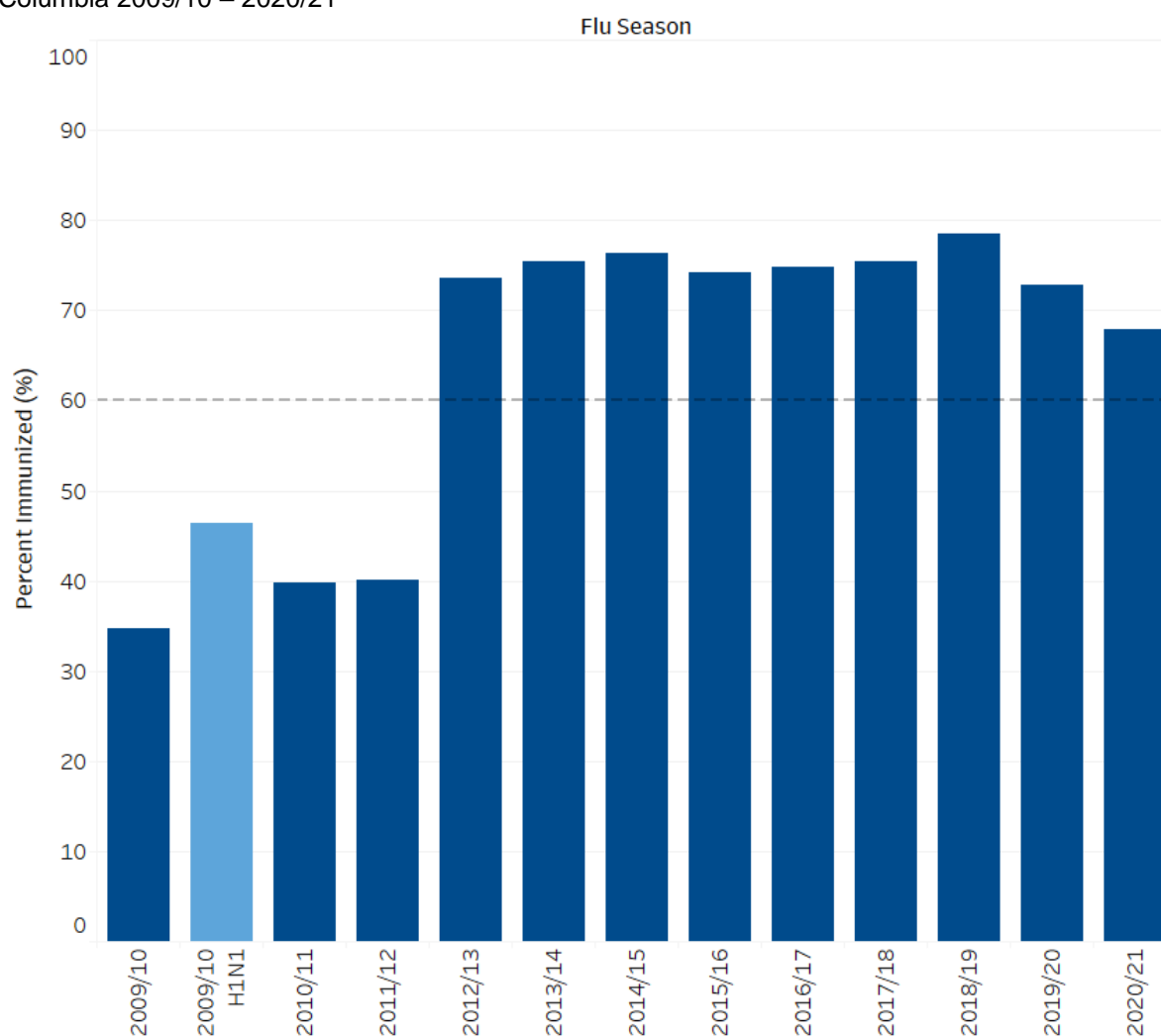
1. Immunize BC: a strategic framework for immunization in B.C. 2007. Victoria, BC: British Columbia Ministry of Health. Available at: <http://www.health.gov.bc.ca/library/publications/year/2007/immunizebc.pdf>

2. Public Health Agency of Canada. Vaccination Coverage Goals and Vaccine Preventable Disease Reduction Targets by 2025. Available at: <https://www.canada.ca/en/public-health/services/immunization-vaccine-priorities/national-immunization-strategy/vaccination-coverage-goals-vaccine-preventable-diseases-reduction-targets-2025.html>

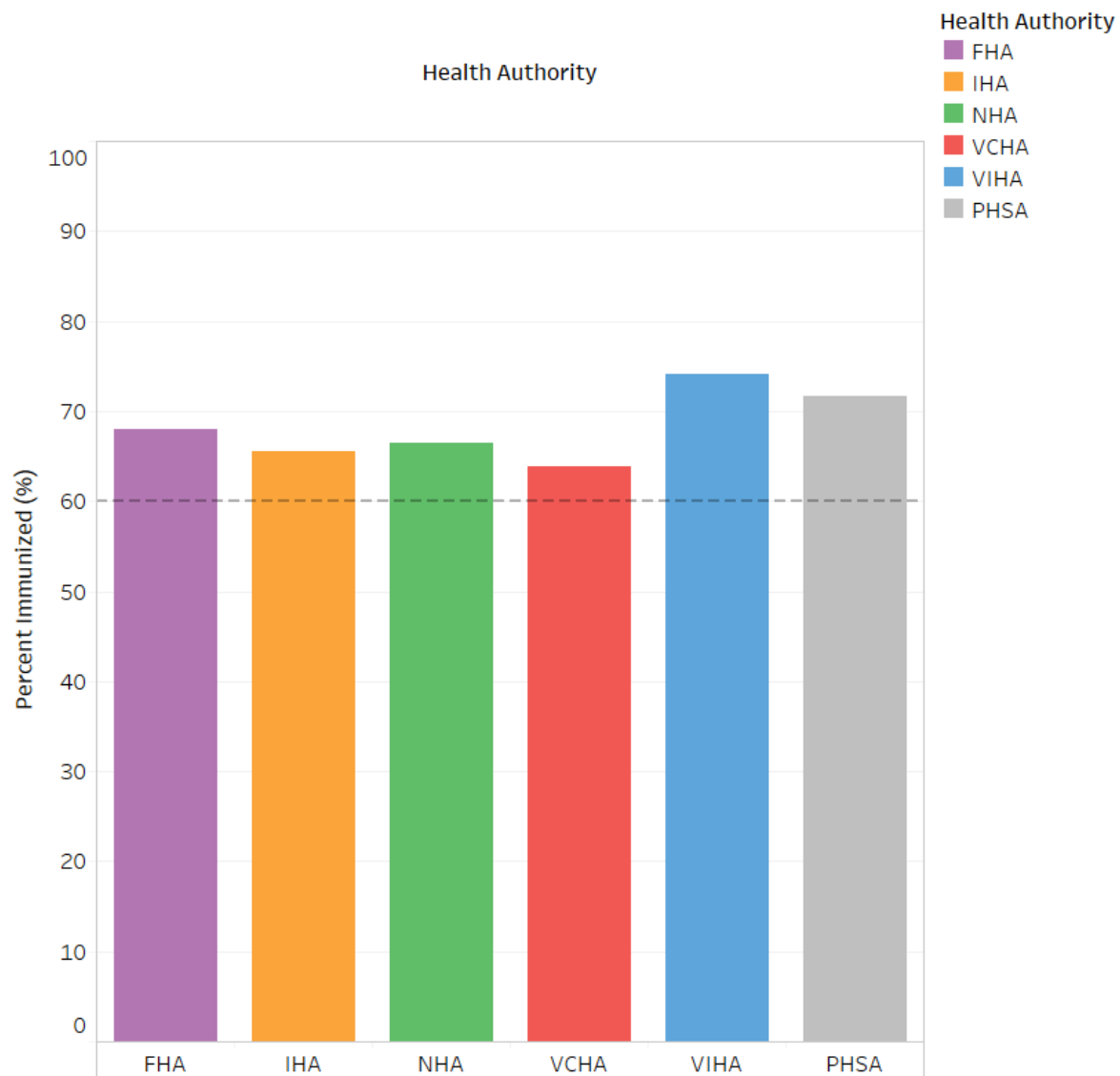
**Table 1:** Acute care facilities included by health authority, 2020/21

Health authority	Reported	Acute care facilities	
		Total	% reported
Interior	27	27	100
Fraser	13	13	100
Vancouver Coastal	14	14	100
Vancouver Island	14	14	100
Northern	18	18	100
Provincial Health Services	6	6	100
<b>British Columbia</b>	<b>92</b>	<b>92</b>	<b>100</b>

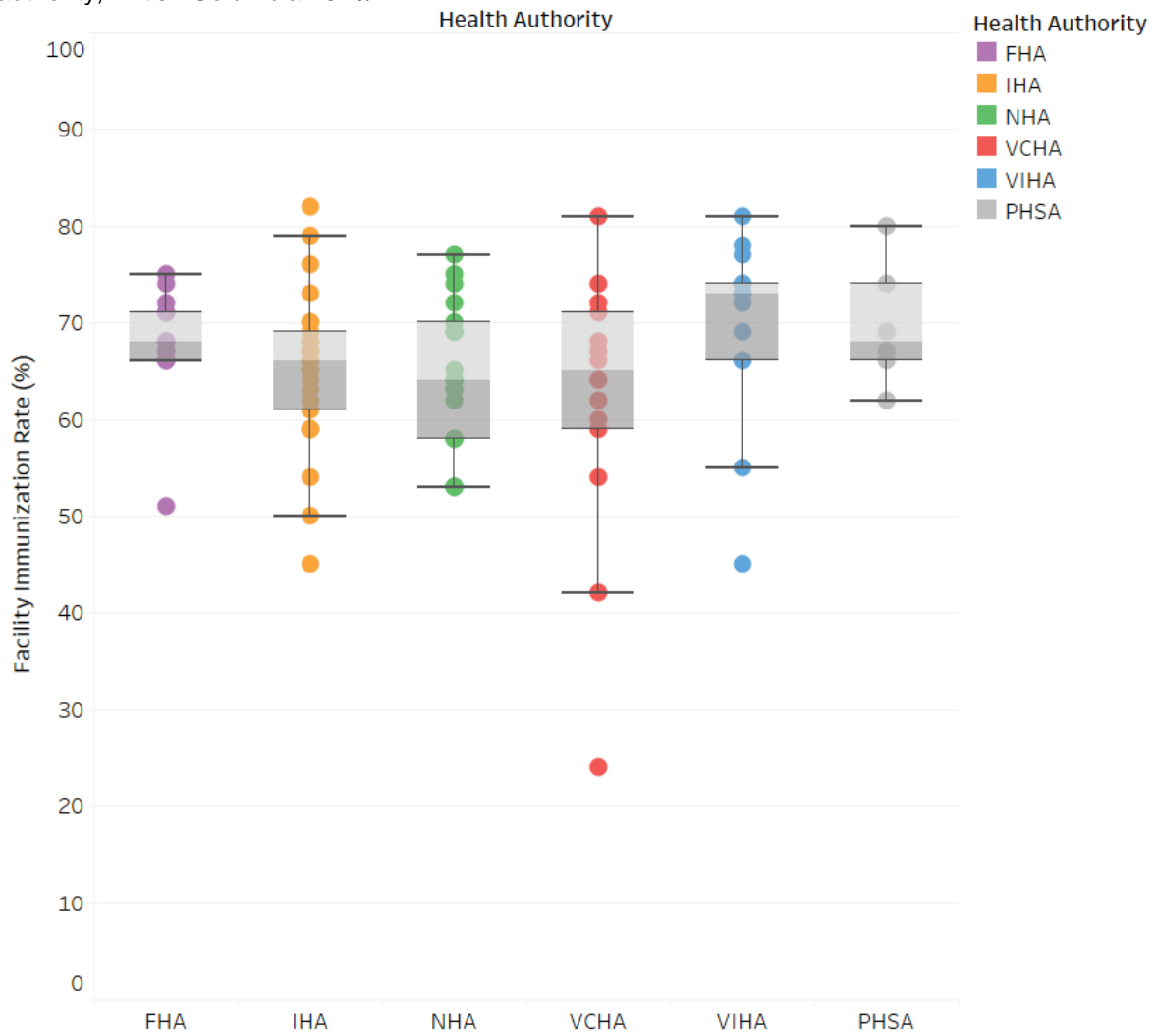
**Figure 1:** Influenza immunization coverage for staff of acute care facilities by flu season, British Columbia 2009/10 – 2020/21



**Figure 2:** Influenza immunization coverage for staff of acute care facilities by health authority, British Columbia 2020/21



**Figure 3:** Influenza immunization coverage for staff of acute care facilities per facility and by health authority, British Columbia 2020/21



**Table 2:** Immunization coverage for staff of acute care facilities by health authority and health service delivery area, 2011/12 to 2020/21

Health authority		Influenza season									
		2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
<b>INTERIOR</b>	immunized	4,558	6,540	7,419	8,152	7,982	8,482	8,958	8,802	8,742	7,945
	total staff	10,473	8,593	10,726	10,647	10,989	10,936	11,060	10,781	11,593	12,123
	% immunized	44	76	69	77	73	78	80	82	75	66
East Kootenay	immunized	540	684	739	780	758	767	822	764	838	742
	total staff	1,031	812	970	953	982	966	995	913	1,017	1,102
	% immunized	52	84	76	82	77	79	83	84	82	67
Kootenay Boundary	immunized	381	706	817	928	891	915	950	919	928	813
	total staff	1,306	995	1,230	1,197	1,220	1,184	1,224	1,197	1,252	1,342
	% immunized	29	71	66	78	73	77	78	77	74	61
Okanagan	immunized	2,156	3,323	3,901	3,886	3,829	4,134	4,359	4,380	4,262	3,828
	total staff	5,412	4,593	5,845	5,283	5,509	5,520	5,529	5,437	5,872	6,126
	% immunized	40	72	67	74	70	75	79	81	73	63
Thomps Carib Shuswap	immunized	1,481	1,827	1,962	2,558	2,504	2,666	2,827	2,739	2,714	2,562
	total staff	2,724	2,193	2,681	3,214	3,278	3,266	3,312	3,234	3,452	3,553
	% immunized	54	83	73	80	76	82	85	85	79	72
<b>FRASER</b>	immunized	5,446	11,013	15,247	15,399	15,547	14,110	14,213	13,566	13,141	12,720
	total staff	15,881	14,883	19,001	19,262	19,742	18,057	18,032	17,434	18,388	18,726
	% immunized	34	74	80	80	79	78	79	79	72	68
Fraser East	immunized	1,219	2,053	2,761	2,859	2,745	2,504	2,491	2,379	2,448	2,236
	total staff	3,115	2,781	3,510	3,635	3,655	3,310	3,318	3,155	3,464	3,435
	% immunized	39	74	79	79	75	76	75	75	71	65
Fraser North	immunized	2,110	4,390	5,893	5,790	6,007	5,588	5,641	5,413	5,103	4,962
	total staff	6,228	5,825	7,301	7,167	7,492	7,038	6,931	6,749	6,939	7,020
	% immunized	34	75	81	81	80	79	81	80	74	71
Fraser South	immunized	2,117	4,570	6,593	6,750	6,795	6,018	6,081	5,774	5,590	5,522
	total staff	6,538	6,277	8,190	8,460	8,595	7,709	7,783	7,530	7,985	8,271
	% immunized	32	73	81	80	79	78	78	77	70	67

**Table 2 (cont'd): Immunization coverage for staff of acute care facilities by health authority and health service delivery area, 2011/12 to 2020/21**

		Influenza season									
Health authority		2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
<b>VANCOUVER COASTAL</b>	immunized	5,541	5,553	12,060	12,274	12,702	12,000	11,471	11,741	11,303	11,231
	total staff	12,897	7,828	15,982	16,312	16,785	16,249	15,615	16,074	17,159	17,588
	% immunized	43	71	75	75	76	74	73	73	66	64
Richmond	immunized	520	792	1,055	1,086	1,119	1,024	1,002	1,097	976	914
	total staff	1,085	993	1,327	1,285	1,353	1,297	1,252	1,415	1,382	1,379
	% immunized	48	80	80	85	83	79	80	78	71	66
Vancouver	immunized	4,219	3,364	8,994	9,093	9,558	9,091	8,508	8,792	8,423	8,525
	total staff	9,805	4,996	12,003	12,400	12,767	12,430	11,876	12,186	12,942	13,292
	% immunized	43	67	75	73	75	73	72	72	65	64
N Shore/Coast Garibaldi	immunized	802	1,397	2,011	2,095	2,025	1,885	1,907	1,852	1,904	1,792
	total staff	2,007	1,839	2,652	2,627	2,665	2,522	2,487	2,473	2,835	2,917
	% immunized	40	76	76	80	76	75	77	75	67	61
<b>VANCOUVER ISLAND</b>	immunized	3,844	6,143	8,241	7,811	7,593	7,653	7,432	9,154	9,713	9,486
	total staff	9,166	8,345	11,360	11,119	11,592	11,585	11,447	11,454	12,072	12,797
	% immunized	42	74	73	70	66	66	65	80	81	74
South Van Island	immunized	1,944	3,975	4,722	4,458	4,312	4,345	4,148	5,029	5,345	5,334
	total staff	4,860	5,295	6,402	6,395	6,585	6,487	6,402	6,290	6,605	6,947
	% immunized	40	75	74	70	65	67	65	80	81	77
Central Van Island	immunized	1,139	1,673	2,070	2,060	1,970	1,967	2,023	2,507	2,678	2,454
	total staff	2,766	2,401	3,119	3,080	3,231	3,247	3,342	3,255	3,436	3,532
	% immunized	41	70	66	67	61	61	62	77	78	69
North Van Island	immunized	761	495	1,449	1,293	1,311	1,341	1,261	1,618	1,690	1,698
	total staff	1,540	649	1,839	1,644	1,776	1,851	1,803	1,909	2,031	2,318
	% immunized	49	76	79	79	74	72	72	85	83	73

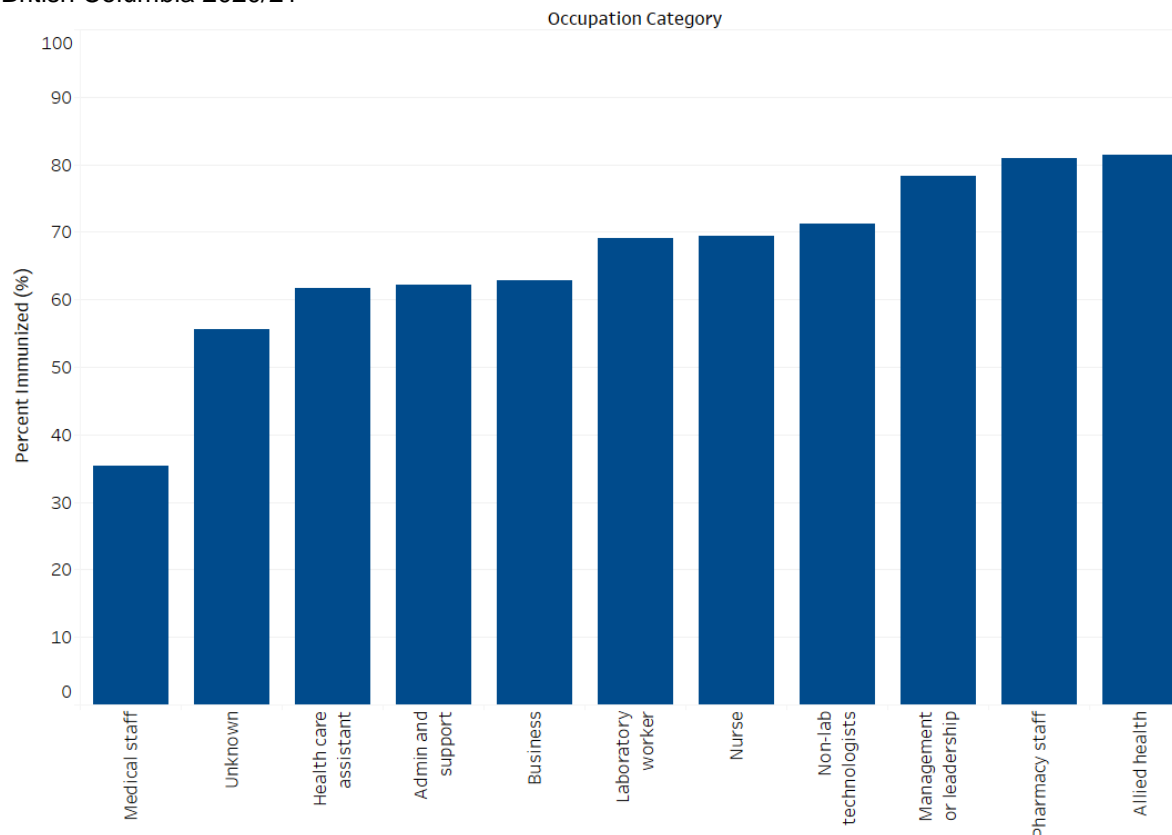
**Table 2 (cont'd):** Immunization coverage for staff of acute care facilities by health authority and health service delivery area, 2011/12 to 2020/21

Health authority		Influenza season									
		2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
<b>NORTHERN</b>	immunized	1,623	2,612	2,913	3,012	2,849	3,035	2,956	3,010	3,244	2,872
	total staff	4,354	3,459	3,992	4,007	4,232	4,117	4,123	3,882	4,289	4,319
	% immunized	37	76	73	75	67	74	72	78	76	67
Northwest	immunized	548	673	732	774	736	786	780	770	840	724
	total staff	1,121	909	1,017	1,035	1,078	1,077	1,081	991	1,090	1,069
	% immunized	49	74	72	75	68	73	72	78	77	68
Northern Interior	immunized	785	1,473	1,661	1,695	1,618	1,751	1,666	1,759	1,869	1,706
	total staff	2,467	1,908	2,229	2,228	2,387	2,307	2,325	2,238	2,475	2,512
	% immunized	32	77	75	76	68	76	72	79	76	68
Northeast	immunized	290	466	520	543	495	498	510	481	535	442
	total staff	766	642	746	744	767	733	717	653	724	738
	% immunized	38	73	70	73	65	68	71	74	74	60
<b>PHSA</b>	immunized	2,363	4,038	4,998	4,932	5,215	5,155	5,570	5,479	5,185	4,939
	total staff	5,441	5,710	6,398	6,233	6,622	6,512	6,778	6,328	6,966	6,892
	% immunized	43	71	78	79	79	79	82	87	74	72
<b>BC</b>	immunized	23,375	35,899	50,878	51,580	51,888	50,435	50,456	51,752	51,328	49,193
	total staff	58,212	48,818	67,459	67,580	69,962	67,456	67,055	65,953	70,467	72,445
	% immunized	40	74	75	76	74	75	75	78	73	68

2020/21 policy compliance results (Figure 4, Table 3)

- Allied health, pharmacy, and management/leadership staff reported the highest coverage; this is the same finding as in the previous five flu seasons
- 68% of staff in acute care facilities in BC reported being vaccinated, 12% reported declining vaccination, and 20% did not report vaccination status and were considered to be unvaccinated

**Figure 4:** Influenza immunization coverage for staff of acute care facilities by occupation group, British Columbia 2020/21



**Table 3:** Influenza Prevention Policy compliance for acute health care workers by health authority, 2020/21

Health Authority	Compliance Status						Total No.	Total %
	Vaccinated No.	Vaccinated %	Declined No.	Declined %	Not reported No.	Not reported %		
IHA	7,945	66	1,792	15	2,386	20	12,123	100
FHA	12,720	68	2,607	14	3,399	18	18,726	100
VCHA	11,231	64	1,093	6	5,264	30	17,588	100
VIHA	9,486	74	2,086	16	1,225	10	12,797	100
NHA	2,872	67	614	14	833	19	4,319	100
PHSA	4,939	72	407	6	1,546	22	6,892	100
<b>Total</b>	<b>49,193</b>	<b>68</b>	<b>8,599</b>	<b>12</b>	<b>14,653</b>	<b>20</b>	<b>72,445</b>	<b>100</b>