

## Influenza vaccination coverage for staff of acute care facilities British Columbia, 2019/20 – 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 2019/20 season
- ii) Self-reported their vaccination or vaccine declination including by job type
- iii) Were vaccinated by different provider types

### 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

2019/20 influenza vaccination coverage (**Figures 1-3, Table 2**)

- 73% (51,328/70,467) of staff in acute care facilities in BC reported influenza vaccine receipt, the lowest since the Influenza Prevention Policy was enacted in 2012/2013
- 66% to 81% coverage was the range across the six health authorities
- 65% to 83% coverage was the range across the sixteen health service delivery areas and PHSA
- 46% to 91% coverage was the range across all acute care facilities in BC
- 62% to 84% coverage was the range across the 31 facilities with 500 or more staff
- 88/92 (96%) facilities met the Immunize BC coverage target of 60%
- 24/92 (26%) facilities met the national coverage target of 80%

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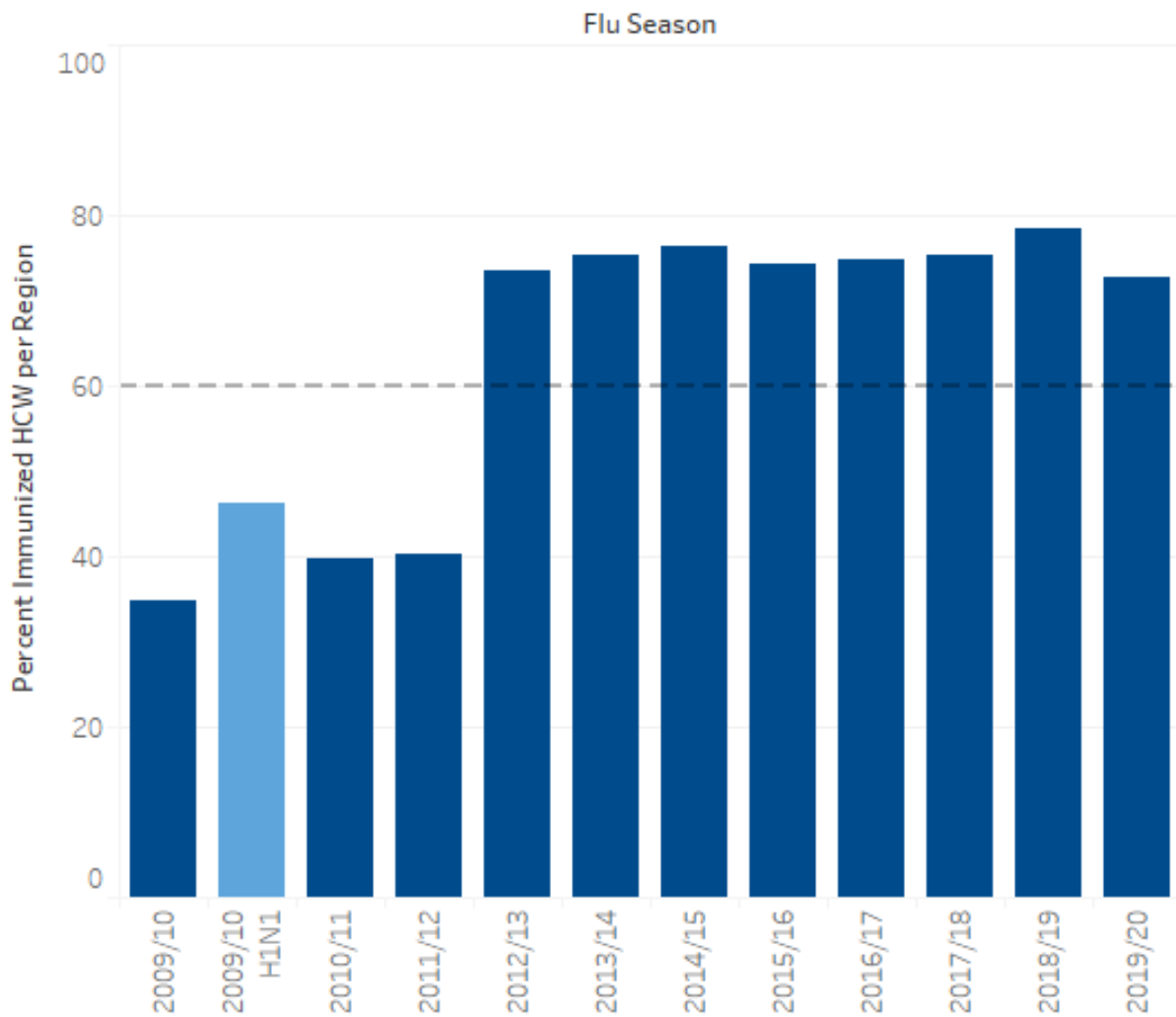
1. Immunize BC: a strategic framework for immunization in B.C. 2007. Victoria, BC: British Columbia Ministry of Health. Available at: <http://www.health.gov.bc.ca/library/publications/year/2007/immunizebc.pdf>

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>

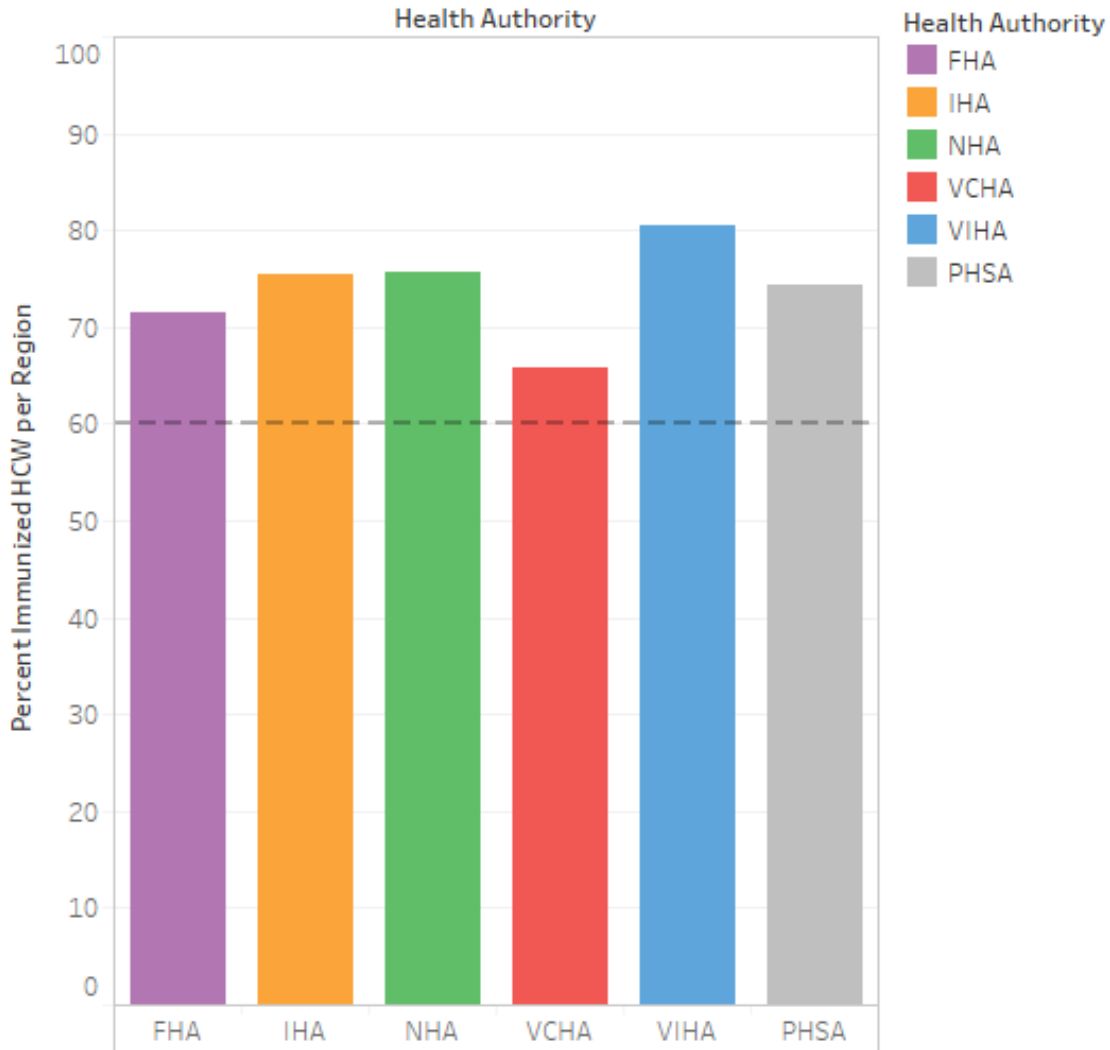
**Table 1:** Acute care facilities included by health authority, 2019/20

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>

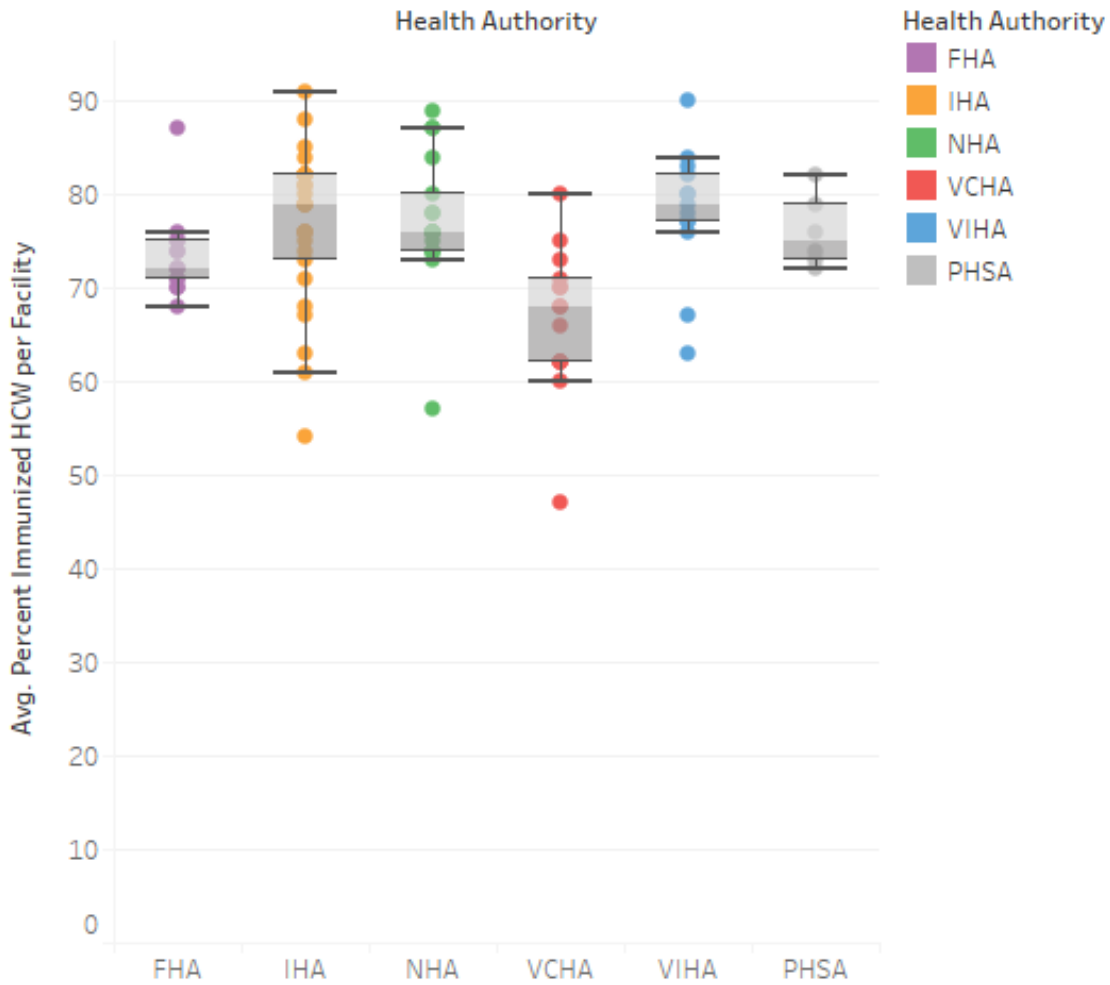
**Figure 1:** Influenza immunization coverage for staff of acute care facilities by flu season, British Columbia 2009/10 - 2019/20



**Figure 2:** Influenza immunization coverage for staff of acute care facilities by health authority, British Columbia 2019/20



**Figure 3:** Influenza immunization coverage for staff of acute care facilities per facility and by health authority, British Columbia 2019/20



**Table 2:** Immunization coverage for staff of acute care facilities by health authority and health service delivery area, 2010/11 to 2019/20

Health authority		Influenza season									
		2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20
<b>INTERIOR</b>	immunized	4,490	4,558	6,540	7,419	8,152	7,982	8,482	8,958	8,802	8,742
	total staff	10,132	10,473	8,593	10,726	10,647	10,989	10,936	11,060	10,781	11,593
	% immunized	44	44	76	69	77	73	78	80	82	75
East Kootenay	immunized	560	540	684	739	780	758	767	822	764	838
	total staff	1,033	1,031	812	970	953	982	966	995	913	1,017
	% immunized	54	52	84	76	82	77	79	83	84	82
Kootenay Boundary	immunized	422	381	706	817	928	891	915	950	919	928
	total staff	1,324	1,306	995	1,230	1,197	1,220	1,184	1,224	1,197	1,252
	% immunized	32	29	71	66	78	73	77	78	77	74
Okanagan	immunized	1,793	2,156	3,323	3,901	3,886	3,829	4,134	4,359	4,380	4,262
	total staff	4,635	5,412	4,593	5,845	5,283	5,509	5,520	5,529	5,437	5,872
	% immunized	39	40	72	67	74	70	75	79	81	73
Thomps Carib Shuswap	immunized	1,715	1,481	1,827	1,962	2,558	2,504	2,666	2,827	2,739	2,714
	total staff	3,140	2,724	2,193	2,681	3,214	3,278	3,266	3,312	3,234	3,452
	% immunized	55	54	83	73	80	76	82	85	85	79
<b>FRASER</b>	immunized	5,173	5,446	11,013	15,247	15,399	15,547	14,110	14,213	13,566	13,141
	total staff	16,984	15,881	14,883	19,001	19,262	19,742	18,057	18,032	17,434	18,388
	% immunized	30	34	74	80	80	79	78	79	79	72
Fraser East	immunized	1,033	1,219	2,053	2,761	2,859	2,745	2,504	2,491	2,379	2,448
	total staff	3,119	3,115	2,781	3,510	3,635	3,655	3,310	3,318	3,155	3,464
	% immunized	33	39	74	79	79	75	76	75	75	71
Fraser North	immunized	2,289	2,110	4,390	5,893	5,790	6,007	5,588	5,641	5,413	5,103
	total staff	7,003	6,228	5,825	7,301	7,167	7,492	7,038	6,931	6,749	6,939
	% immunized	33	34	75	81	81	80	79	81	80	74
Fraser South	immunized	1,851	2,117	4,570	6,593	6,750	6,795	6,018	6,081	5,774	5,590
	total staff	6,862	6,538	6,277	8,190	8,460	8,595	7,709	7,783	7,530	7,985
	% immunized	27	32	73	81	80	79	78	78	77	70

**Table 2 (cont'd): Immunization coverage for staff of acute care facilities by health authority and health service delivery area, 2010/11 to 2019/20**

		Influenza season									
Health authority		2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20
<b>VANCOUVER COASTAL</b>	immunized	5,644	5,541	5,553	12,060	12,274	12,702	12,000	11,471	11,741	11,303
	total staff	12,173	12,897	7,828	15,982	16,312	16,785	16,249	15,615	16,074	17,159
	% immunized	46	43	71	75	75	76	74	73	73	66
Richmond	immunized	516	520	792	1,055	1,086	1,119	1,024	1,002	1,097	976
	total staff	1,016	1,085	993	1,327	1,285	1,353	1,297	1,252	1,415	1,382
	% immunized	51	48	80	80	85	83	79	80	78	71
Vancouver	immunized	4,193	4,219	3,364	8,994	9,093	9,558	9,091	8,508	8,792	8,423
	total staff	9,026	9,805	4,996	12,003	12,400	12,767	12,430	11,876	12,186	12,942
	% immunized	46	43	67	75	73	75	73	72	72	65
N Shore/Coast Garibaldi	immunized	935	802	1,397	2,011	2,095	2,025	1,885	1,907	1,852	1,904
	total staff	2,131	2,007	1,839	2,652	2,627	2,665	2,522	2,487	2,473	2,835
	% immunized	44	40	76	76	80	76	75	77	75	67
<b>VANCOUVER ISLAND</b>	immunized	3,941	3,844	6,143	8,241	7,811	7,593	7,653	7,432	9,154	9,713
	total staff	10,021	9,166	8,345	11,360	11,119	11,592	11,585	11,447	11,454	12,072
	% immunized	39	42	74	73	70	66	66	65	80	81
South Van Island	immunized	2,035	1,944	3,975	4,722	4,458	4,312	4,345	4,148	5,029	5,345
	total staff	5,405	4,860	5,295	6,402	6,395	6,585	6,487	6,402	6,290	6,605
	% immunized	38	40	75	74	70	65	67	65	80	81
Central Van Island	immunized	1,184	1,139	1,673	2,070	2,060	1,970	1,967	2,023	2,507	2,678
	total staff	2,982	2,766	2,401	3,119	3,080	3,231	3,247	3,342	3,255	3,436
	% immunized	40	41	70	66	67	61	61	62	77	78
North Van Island	immunized	722	761	495	1,449	1,293	1,311	1,341	1,261	1,618	1,690
	total staff	1,634	1,540	649	1,839	1,644	1,776	1,851	1,803	1,909	2,031
	% immunized	44	49	76	79	79	74	72	72	85	83

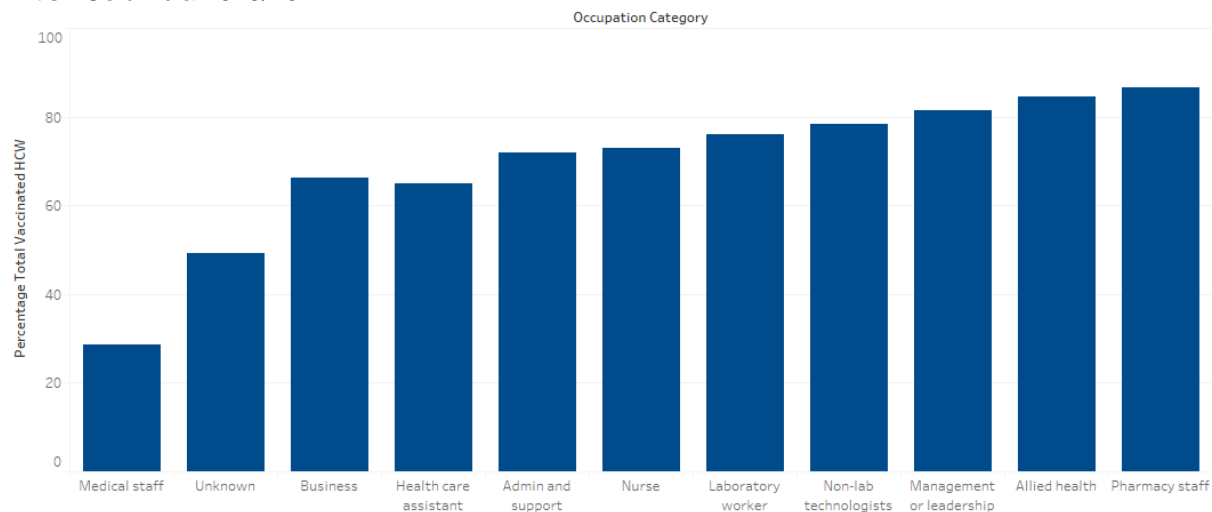
**Table 2 (cont'd): Immunization coverage for staff of acute care facilities by health authority and health service delivery area, 2010/11 to 2019/20**

Health authority		Influenza season									
		2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20
<b>NORTHERN</b>	immunized	1,832	1,623	2,612	2,913	3,012	2,849	3,035	2,956	3,010	3,244
	total staff	4,396	4,354	3,459	3,992	4,007	4,232	4,117	4,123	3,882	4,289
	% immunized	42	37	76	73	75	67	74	72	78	76
Northwest	immunized	498	548	673	732	774	736	786	780	770	840
	total staff	1,094	1,121	909	1,017	1,035	1,078	1,077	1,081	991	1,090
	% immunized	46	49	74	72	75	68	73	72	78	77
Northern Interior	immunized	997	785	1,473	1,661	1,695	1,618	1,751	1,666	1,759	1,869
	total staff	2,565	2,467	1,908	2,229	2,228	2,387	2,307	2,325	2,238	2,475
	% immunized	39	32	77	75	76	68	76	72	79	76
Northeast	immunized	337	290	466	520	543	495	498	510	481	535
	total staff	737	766	642	746	744	767	733	717	653	724
	% immunized	46	38	73	70	73	65	68	71	74	74
<b>PHSA</b>	immunized	2,015	2,363	4,038	4,998	4,932	5,215	5,155	5,570	5,479	5,185
	total staff	4,389	5,441	5,710	6,398	6,233	6,622	6,512	6,778	6,328	6,966
	% immunized	46	43	71	78	79	79	79	82	87	74
<b>BC</b>	immunized	23,095	23,375	35,899	50,878	51,580	51,888	50,435	50,456	51,752	51,328
	total staff	58,095	58,212	48,818	67,459	67,580	69,962	67,456	67,055	65,953	70,467
	% immunized	40	40	74	75	76	74	75	75	78	73

2019/20 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 four flu seasons
- 73% of staff in acute care facilities in BC reported being vaccinated, 8% reported declining vaccination, and 19% 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 2019/20



**Table 3:** Influenza Prevention Policy compliance for acute health care workers by health authority, 2019/20

Health Authority	Compliance Status						Total No.	Total %
	Vaccinated No.	Vaccinated %	Declined No.	Declined %	Not reported No.	Not reported %		
IHA	8742	75	964	8	1887	16	11593	100
FHA	13141	72	1549	8	3698	20	18388	100
VCHA	11303	66	1131	7	4725	28	17159	100
VIHA	9713	81	1147	10	1212	10	12072	100
NHA	3244	76	450	11	595	14	4289	100
PHSA	5185	74	420	6	1361	20	6966	100
<b>Total</b>	<b>51328</b>	<b>73</b>	<b>5661</b>	<b>8</b>	<b>13478</b>	<b>19</b>	<b>70467</b>	<b>100</b>