

Final Report
Influenza Vaccine Coverage
Residents of Long Term Care Facilities (LTCF)
British Columbia, 2021/22

Background

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

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

The target for coverage among residents of long term care facilities is 90%.¹

Objective

To quantify the percentage of residents of long term care facilities (LTCF) in British Columbia vaccinated against influenza during the 2021/22 influenza season.

Results

Reporting facilities (**Table 1**)

- 310/354 (88%) of LTCF in BC reported data for this report. These include 252/288 (87%) of publicly funded or contracted long term care facilities, and 58/66 (83%) of privately funded facilities. The remaining 12% of facilities located mainly in Fraser Health did not report this season.

2021/22 influenza vaccine coverage among reporting facilities (**Figure 1, Table 2, Figure 2**)

- 91% (24,225/26,515) of residents were vaccinated, with no difference in resident coverage in publicly funded or contracted LTCF compared to privately funded facilities
- Coverage ranged from 89% to 93% by health authority
- Coverage ranged from 85% to 94% by health service delivery area
- Coverage ranged from 0% (n=1) to 100% by LTCF
- 211/354 (60%) of LTCF met the 90% coverage target

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>

Table 1: Number and percent of LTCF for which coverage rates were reported, by health authority, 2021/22

Health authority	Long term care facilities			
	Reported	Did not Report	Total	% reported
Interior	79	7	86	92
Fraser	61	32	93	66
Vancouver Coastal	63	5	68	93
Vancouver Island	83	0	83	100
Northern	24	0	24	100
British Columbia	310	44	354	88

Results shown in the three figures and Table 2 are based on data from the 310 reporting facilities only.

Figure 1: Influenza vaccine coverage among LTCF residents by influenza season, British Columbia 2009/10 - 2021/22

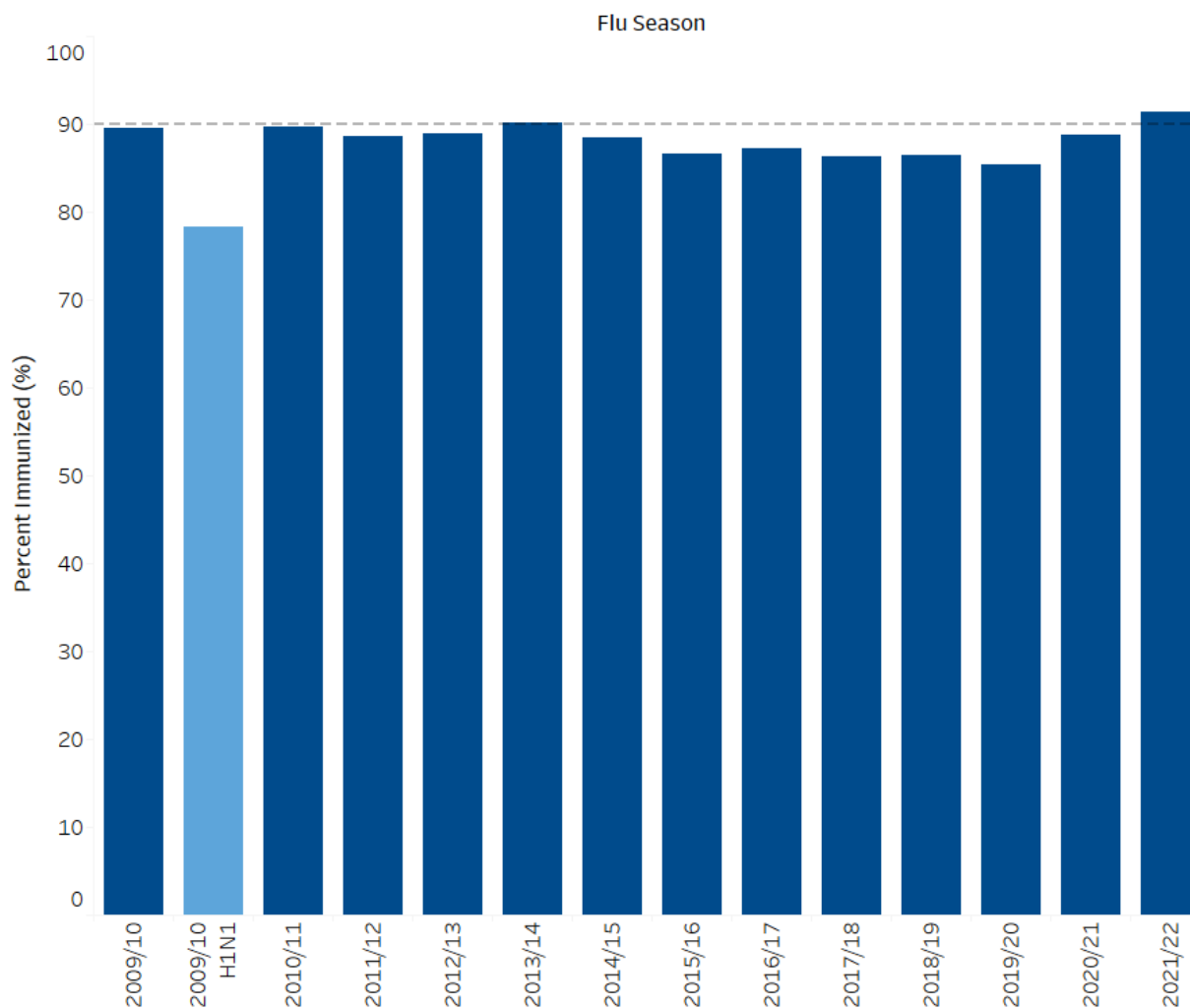


Figure 2: Influenza vaccine coverage for residents of long term care facilities by health authority, British Columbia 2021/22

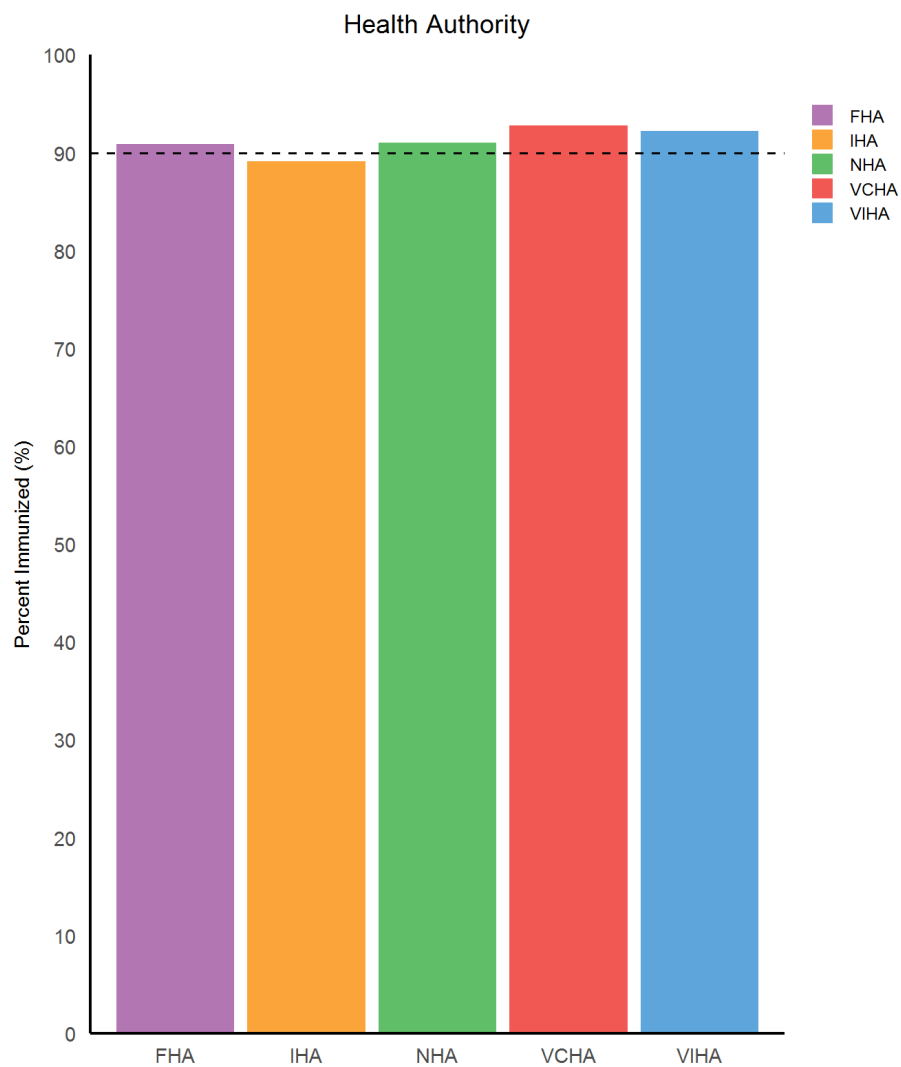


Figure 3: Distribution of facility-specific influenza vaccine coverage for residents of LTCF by health authority, British Columbia 2021/22

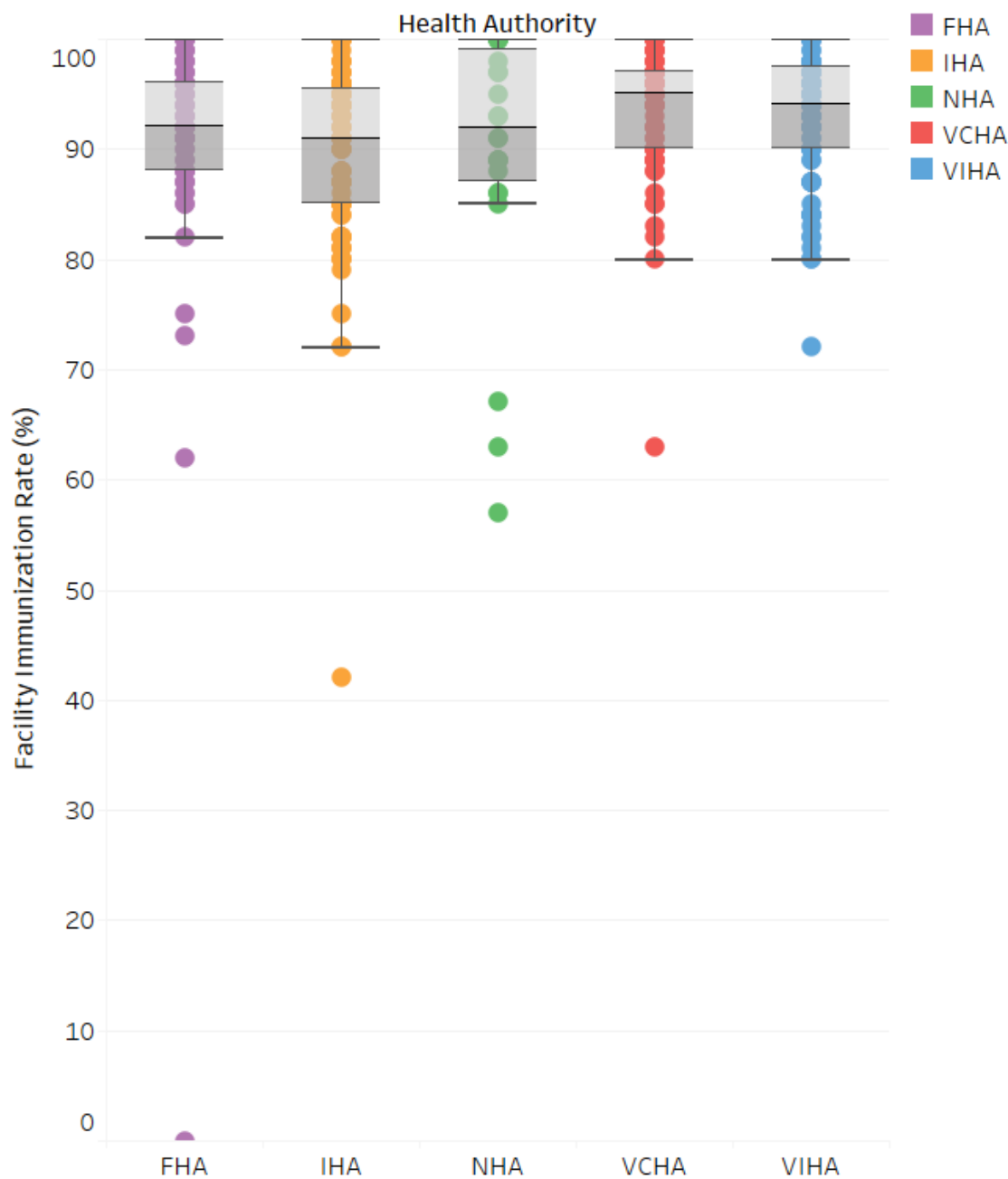


Figure 3 illustrates the distribution of influenza vaccine coverage for residents of LTCFs by facility in each health authority for the 2021/22 influenza season. The horizontal lines represent the minimum*, 25th percentile, median, 75th percentile, and maximum.

* After excluding outliers. Outliers are those below the 25th percentile minus 1.5 times the interquartile range.

Table 2: Immunization coverage for residents of long term care facilities by health authority and health service delivery area, 2011/12 to 2021/22

Health region		Influenza Season										
		2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
INTERIOR	immunized	5,343	4,883	3,717	5,437	5,151	5,491	5,315	5,475	5,630	2,321	4902
	total residents	6,322	5,843	4,433	6,308	6,162	6,713	6,671	6,802	6,998	2,728	5502
	% immunized	85	84	84	86	84	82	80	80	81	85	89
East Kootenay	immunized	479	570	416	451	383	453	398	402	390	NA	434
	total residents	573	650	616	545	470	610	505	538	511	NA	508
	% immunized	84	88	68	83	81	74	79	75	76	--	85
Kootenay Boundary	immunized	650	581	512	666	477	489	682	703	591	525	525
	total residents	812	809	620	805	582	663	888	873	783	609	563
	% immunized	80	72	83	83	82	74	77	81	76	86	93
Okanagan	immunized	3,203	2,773	1,630	3,055	3,060	3,230	3,072	3,131	3,090	1,605	2771
	total residents	3,755	3,315	1,929	3,549	3,689	3,913	3,767	3,906	3,970	1,903	3179
	% immunized	85	84	84	86	83	83	82	80	78	84	87
Thomps Carib Shuswap	immunized	1,011	959	1,159	1,265	1,231	1,319	1,163	1,239	1,559	191	1172
	total residents	1,182	1,069	1,268	1,409	1,421	1,527	1,511	1,485	1,734	216	1252
	% immunized	86	90	91	90	87	86	77	83	90	88	94
FRASER	immunized	8,041	8,812	8,608	7,727	8,539	8,651	8,593	7,771	5,718	6,954	5881
	total residents	8,935	9,679	9,411	8,543	9,703	9,804	9,861	8,734	6,532	7,699	6468
	% immunized	90	91	91	90	88	88	87	89	88	90	91
Fraser East	immunized	1,447	1,559	1,543	1,643	1,456	1,299	1,530	1,111	1,172	1,548	1227
	total residents	1,635	1,768	1,721	1,849	1,631	1,506	1,736	1,271	1,371	1,732	1326
	% immunized	89	88	90	89	89	86	88	87	86	89	93
Fraser North	immunized	3,035	3,052	3,121	2,942	2,969	2,985	2,928	2,701	2,101	2,268	1958
	total residents	3,333	3,334	3,441	3,231	3,295	3,409	3,287	3,026	2,304	2,515	2216
	% immunized	91	92	91	91	90	88	89	89	91	90	88
Fraser South	immunized	3,559	4,201	3,944	3,142	4,114	4,367	4,135	3,959	2,445	3,138	2,696
	total residents	3,967	4,577	4,249	3,463	4,777	4,889	4,838	4,437	2,857	3,452	2,926
	% immunized	90	92	93	91	86	89	85	89	86	91	92

Table 2 (cont'd): Immunization coverage for residents of long term care facilities by health authority and health service delivery area, 2011/12 to 2021/22

Health region		Influenza Season										
		2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
VANCOUVER COASTAL	immunized	6,487	6,387	6,178	4,316	6,258	5,926	5,149	5,442	2,355	273	6570
	total residents	7,047	6,960	6,631	4,675	6,809	6,470	5,655	6,184	2,627	298	7076
	% immunized	92	92	93	92	92	92	91	88	90	92	93
Richmond	immunized	789	664	774	252	809	692	419	636	242	NA	890
	total residents	834	705	818	257	861	731	458	675	246	NA	947
	% immunized	95	94	95	98	94	95	91	94	98	--	94
Vancouver	immunized	4,073	4,013	3,896	3,141	3,882	3,709	3,350	3,422	1,388	200	3947
	total residents	4,418	4,345	4,178	3,362	4,225	4,031	3,657	3,842	1,553	216	4287
	% immunized	92	92	93	93	92	92	92	89	89	93	92
N Shore/Coast Garibaldi	immunized	1,625	1,710	1,508	923	1,567	1,525	1,380	1,384	725	73	1733
	total residents	1,795	1,910	1,635	1,056	1,723	1,708	1,540	1,667	828	82	1842
	% immunized	91	90	92	87	91	89	90	83	88	89	94
VANCOUVER ISLAND	immunized	5,605	5,579	5,792	6,051	6,025	5,911	5,712	5,839	6,215	5,675	5860
	total residents	6,404	6,370	6,502	7,063	7,332	6,814	6,486	6,640	7,171	6,405	6357
	% immunized	88	88	89	86	82	87	88	88	87	89	92
South Van Island	immunized	2,928	2,974	3,109	3,462	3,512	3,364	3,092	3,074	3,458	2,882	3107
	total residents	3,415	3,424	3,471	4,103	4,373	3,953	3,541	3,513	3,967	3,228	3319
	% immunized	86	87	90	84	80	85	87	88	87	89	94
Central Van Island	immunized	2,066	1,993	2,058	1,978	1,938	1,958	1,989	2,111	2,106	2,063	2028
	total residents	2,308	2,262	2,326	2,275	2,278	2,156	2,214	2,369	2,432	2,378	2255
	% immunized	90	88	88	87	85	91	90	89	87	87	90
North Van Island	immunized	611	612	625	611	575	589	640	654	651	730	725
	total residents	681	684	705	685	681	705	731	758	772	799	783
	% immunized	90	89	89	89	84	84	88	86	84	91	93

Table 2 (cont'd): Immunization coverage for residents of long term care facilities by health authority and health service delivery area, 2011/12 to 2021/22

Health region		Influenza season										
		2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
NORTHERN	immunized	956	1,123	1,022	1,001	1,017	998	971	993	839	992	1012
	total residents	1,103	1,257	1,128	1,118	1,139	1,150	1,165	1,141	980	1,151	1112
	% immunized	87	89	91	90	89	87	83	87	86	86	91
Northwest	immunized	241	233	244	247	252	248	246	234	250	245	251
	total residents	277	283	284	270	279	273	282	277	280	279	267
	% immunized	87	82	86	91	90	91	87	84	89	88	94
Northern Interior	immunized	503	556	551	534	558	538	520	538	497	541	551
	total residents	583	597	594	602	610	628	630	612	578	620	603
	% immunized	86	93	93	89	91	86	83	88	86	87	91
Northeast	immunized	212	334	227	220	207	212	205	221	92	206	210
	total residents	243	377	250	246	250	249	253	252	122	252	242
	% immunized	87	89	91	89	83	85	81	88	75	82	87
BC	immunized	26,432	26,784	25,317	24,532	26,990	26,977	25,749	25,520	20,757	16,215	24225
	total residents	29,811	30,109	28,105	27,707	31,145	30,951	29,838	29,501	24,308	18,281	26515
	% immunized	89	89	90	89	87	87	86	87	85	89	91