

Influenza vaccination coverage for residents of long term care facilities British Columbia, 2018/19 – 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

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

Objective

To quantify the percentage of residents of long term care facilities in British Columbia who were vaccinated against influenza during the 2018/19 influenza season.

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**)

- 337/367 (92%) long term care facilities in BC are included in this report, including 245/263 (93%) publicly funded or contracted long term care facilities

2018/19 influenza vaccination coverage (**Figures 1-3, Table 2**)

- 87% (25,520/29,501) of residents of long term care facilities in BC were vaccinated against influenza, a slight increase from last season (86%)
- 80% to 89% coverage was the range across the five health authorities
- 75% to 94% coverage was the range across the sixteen health service delivery areas
- 31% to 100% coverage was the range across all residential care facilities in BC
- 167/337 (50%) facilities met the 90% immunization coverage target, same as for the last two flu seasons

Results excluding privately funded facilities

- 87% (18,854/21,758) of residents in owned and operated and contracted facilities were vaccinated against influenza

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 long term care facilities for which valid resident coverage rates were reported, by health authority, 2018/19

Health authority	Long term care facilities		
	Reported	Total	% reported
Interior	90	91	99
Fraser	90	107	84
Vancouver Coastal	53	61	87
Vancouver Island	81	84	96
Northern	24	24	100
British Columbia	337	367	92

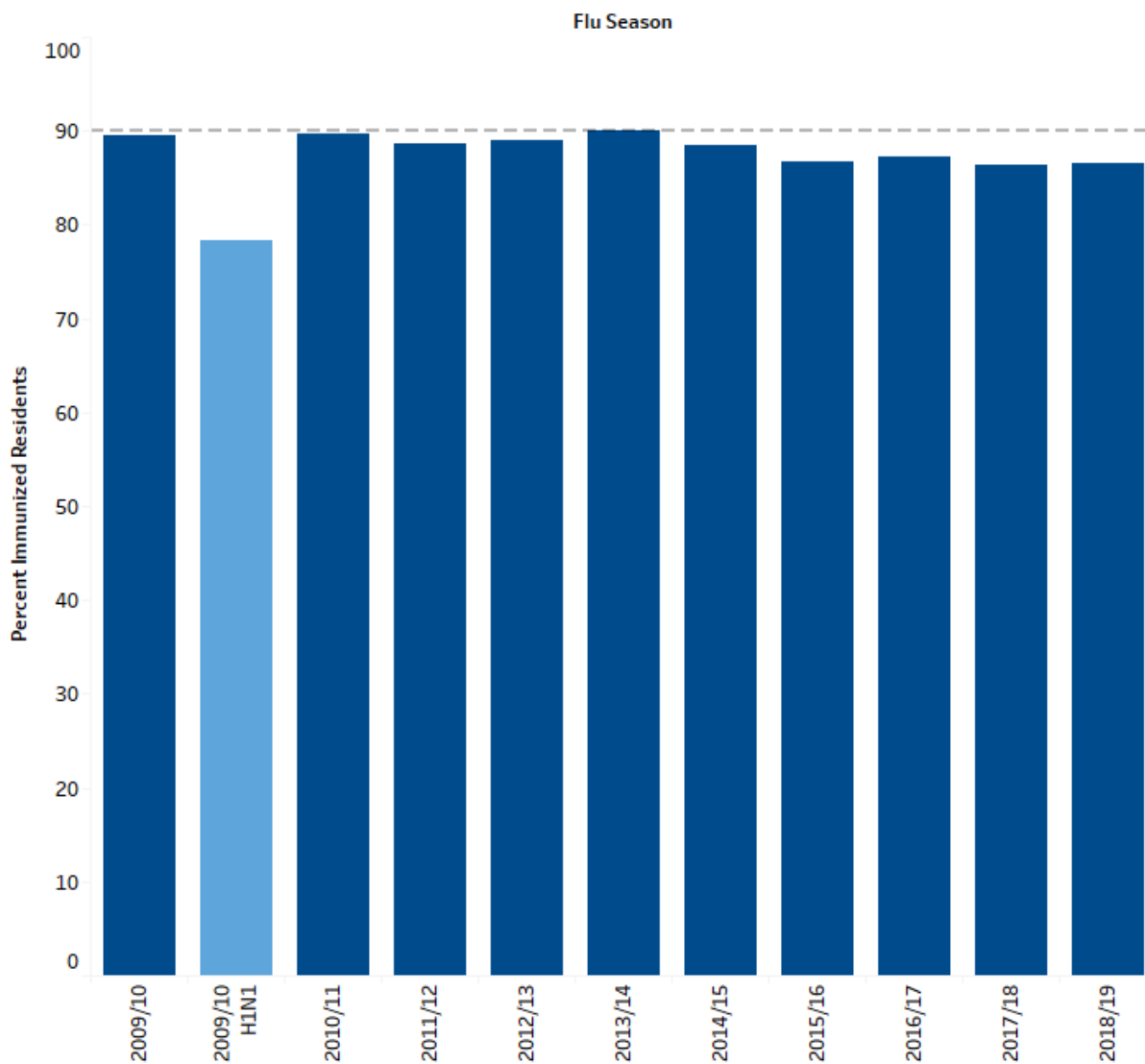


Figure 1: Influenza immunization coverage for residents of long term care facilities by flu season, British Columbia 2009/10 - 2018/19

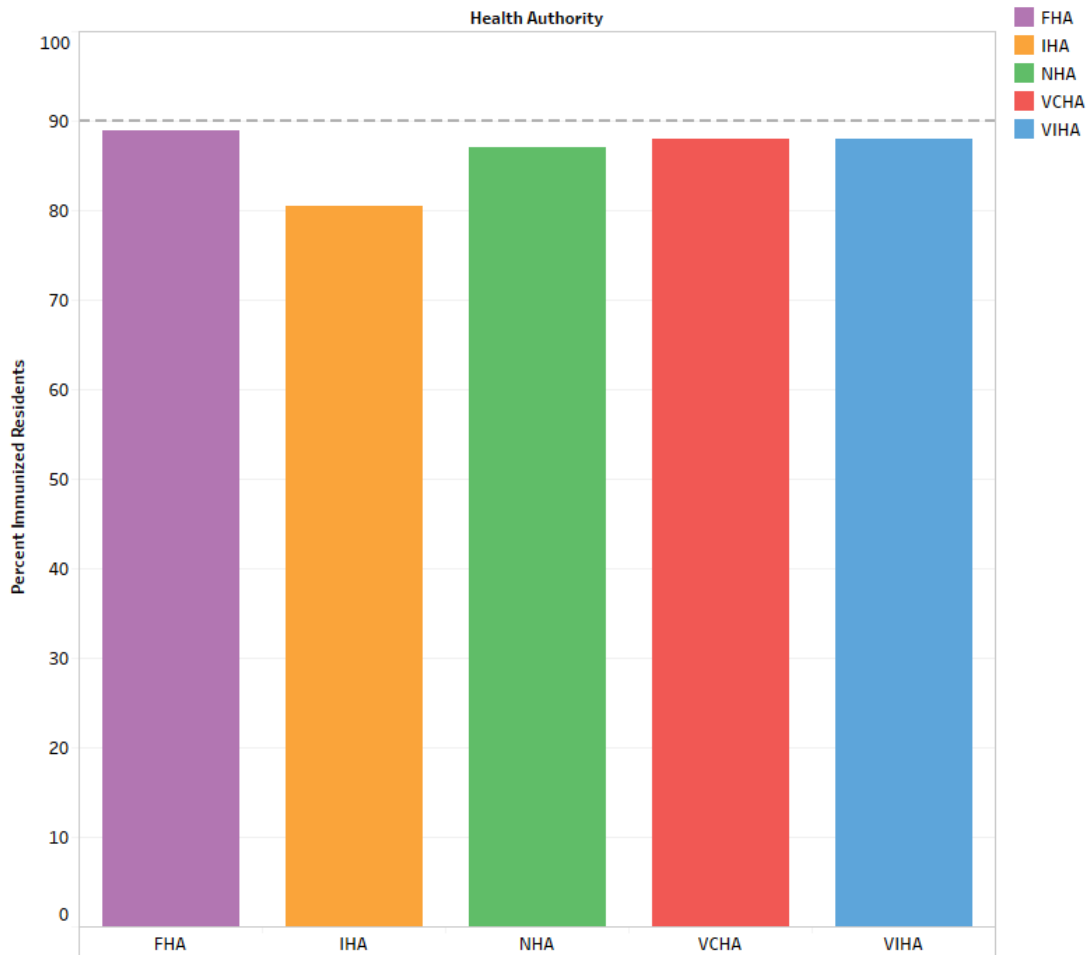


Figure 2: Influenza immunization coverage for residents of long term care facilities by health authority, British Columbia 2018/19

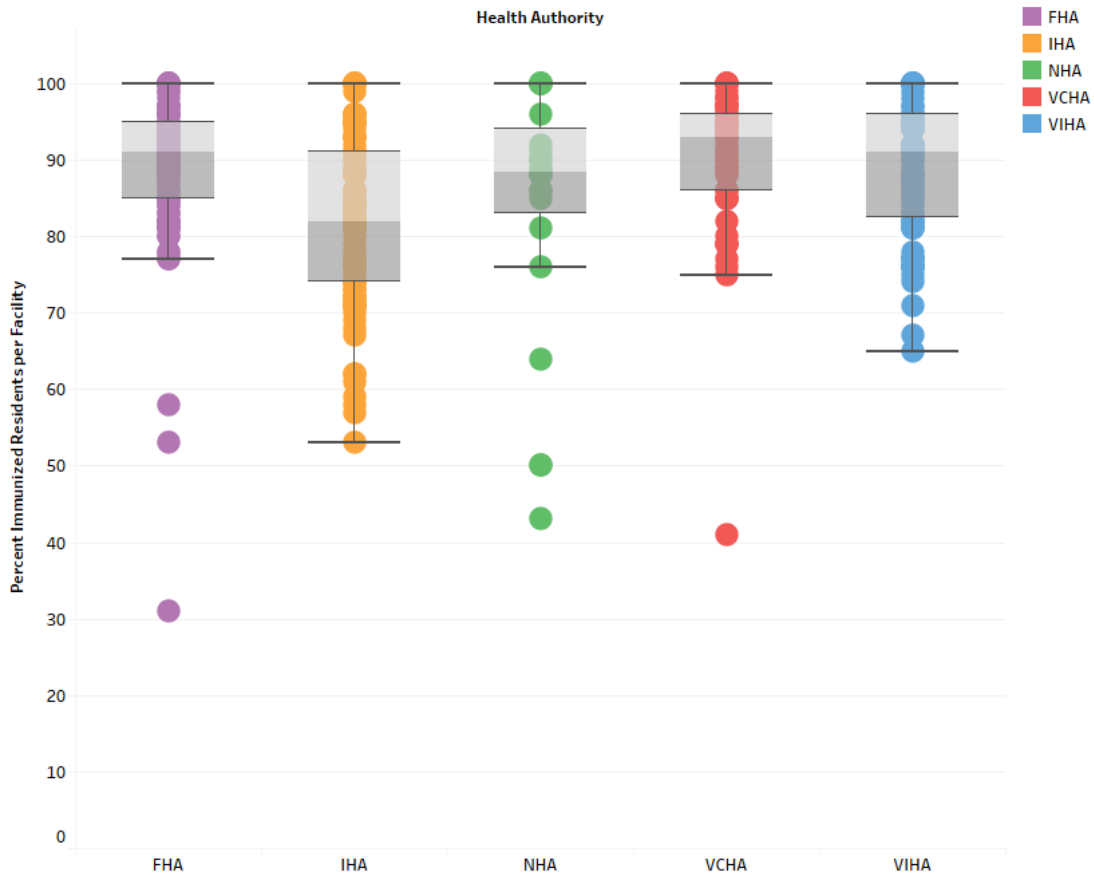


Figure 3: Influenza immunization coverage for residents of long term care facilities per facility and by health authority, British Columbia 2018/19

Table 2: Immunization coverage for residents of long term care facilities by health authority and health service delivery area, 2009/10 to 2018/19

Health region		Influenza Season										
		2009/10	2009/10 H1N1	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19
INTERIOR	immunized	4,968	-	5,081	5,343	4,883	3,717	5,437	5,151	5,491	5,315	5,475
	total residents	5,648	-	5,985	6,322	5,843	4,433	6,308	6,162	6,713	6,671	6,802
	% immunized	88	-	85	85	84	84	86	84	82	80	80
East Kootenay	immunized	490	-	544	479	570	416	451	383	453	398	402
	total residents	572	-	711	573	650	616	545	470	610	505	538
	% immunized	86	-	77	84	88	68	83	81	74	79	75
Kootenay Boundary	immunized	391	-	547	650	581	512	666	477	489	682	703
	total residents	466	-	682	812	809	620	805	582	663	888	873
	% immunized	84	-	80	80	72	83	83	82	74	77	81
Okanagan	immunized	2,724	-	2,666	3,203	2,773	1,630	3,055	3,060	3,230	3,072	3,131
	total residents	3,159	-	3,124	3,755	3,315	1,929	3,549	3,689	3,913	3,767	3,906
	% immunized	86	-	85	85	84	84	86	83	83	82	80
Thomps Carib Shuswap	immunized	1,363	-	1,324	1,011	959	1,159	1,265	1,231	1,319	1,163	1,239
	total residents	1,451	-	1,468	1,182	1,069	1,268	1,409	1,421	1,527	1,511	1,485
	% immunized	94	-	90	86	90	91	90	87	86	77	83
FRASER	immunized	7,703	6,884	7,911	8,041	8,812	8,608	7,727	8,539	8,651	8,593	7,771
	total residents	8,571	8,611	8,750	8,935	9,679	9,411	8,543	9,703	9,804	9,861	8,734
	% immunized	90	80	90	90	91	91	90	88	88	87	89
Fraser East	immunized	1,425	1,192	1,478	1,447	1,559	1,543	1,643	1,456	1,299	1,530	1,111
	total residents	1,630	1,631	1,640	1,635	1,768	1,721	1,849	1,631	1,506	1,736	1,271
	% immunized	87	73	90	89	88	90	89	89	86	88	87
Fraser North	immunized	2,614	2,422	3,032	3,035	3,052	3,121	2,942	2,969	2,985	2,928	2,701
	total residents	2,878	2,826	3,341	3,333	3,334	3,441	3,231	3,295	3,409	3,287	3,026
	% immunized	91	86	91	91	92	91	91	90	88	89	89
Fraser South	immunized	3,664	3,270	3,401	3,559	4,201	3,944	3,142	4,114	4,367	4,135	3,959
	total residents	4,063	4,154	3,769	3,967	4,577	4,249	3,463	4,777	4,889	4,838	4,437
	% immunized	90	79	90	90	92	93	91	86	89	85	89

Table 2 (cont'd): Immunization coverage for residents of long term care facilities by health authority and health service delivery area, 2009/10 to 2018/19

Health region		Influenza Season										
		2009/10	2009/10 H1N1	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19
VANCOUVER COASTAL	immunized	6,171	5,325	6,800	6,487	6,387	6,178	4,316	6,258	5,926	5,149	5,442
	total residents	6,794	6,794	7,375	7,047	6,960	6,631	4,675	6,809	6,470	5,655	6,184
	% immunized	91	78	92	92	92	93	92	92	92	91	88
Richmond	immunized	832	601	798	789	664	774	252	809	692	419	636
	total residents	882	882	841	834	705	818	257	861	731	458	675
	% immunized	94	68	95	95	94	95	98	94	95	91	94
Vancouver	immunized	3,968	3,566	4,224	4,073	4,013	3,896	3,141	3,882	3,709	3,350	3,422
	total residents	4,372	4,372	4,592	4,418	4,345	4,178	3,362	4,225	4,031	3,657	3,842
	% immunized	91	82	92	92	92	93	93	92	92	92	89
N Shore/Coast Garibaldi	immunized	1,371	1,158	1,778	1,625	1,710	1,508	923	1,567	1,525	1,380	1,384
	total residents	1,540	1,540	1,942	1,795	1,910	1,635	1,056	1,723	1,708	1,540	1,667
	% immunized	89	75	92	91	90	92	87	91	89	90	83
VANCOUVER ISLAND	immunized	5,606	-	5,617	5,605	5,579	5,792	6,051	6,025	5,911	5,712	5,839
	total residents	6,291	-	6,264	6,404	6,370	6,502	7,063	7,332	6,814	6,486	6,640
	% immunized	89	-	90	88	88	89	86	82	87	88	88
South Van Island	immunized	2,996	-	2,988	2,928	2,974	3,109	3,462	3,512	3,364	3,092	3,074
	total residents	3,355	-	3,301	3,415	3,424	3,471	4,103	4,373	3,953	3,541	3,513
	% immunized	89	-	91	86	87	90	84	80	85	87	88
Central Van Island	immunized	2,020	-	2,034	2,066	1,993	2,058	1,978	1,938	1,958	1,989	2,111
	total residents	2,299	-	2,300	2,308	2,262	2,326	2,275	2,278	2,156	2,214	2,369
	% immunized	88	-	88	90	88	88	87	85	91	90	89
North Van Island	immunized	590	-	595	611	612	625	611	575	589	640	654
	total residents	637	-	663	681	684	705	685	681	705	731	758
	% immunized	93	-	90	90	89	89	89	84	84	88	86

Table 2 (cont'd): Immunization coverage for residents of long term care facilities by health authority and health service delivery area, 2009/10 to 2018/19

Health region		2009/10	2009/10 H1N1	2010/11	2011/12	Influenza season						
						2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19
NORTHERN	immunized	950	694	971	956	1,123	1,022	1,001	1,017	998	971	993
	total residents	1,072	1,075	1,079	1,103	1,257	1,128	1,118	1,139	1,150	1,165	1,141
	% immunized	89	65	90	87	89	91	90	89	87	83	87
Northwest	immunized	216	146	243	241	233	244	247	252	248	246	234
	total residents	263	264	273	277	283	284	270	279	273	282	277
	% immunized	82	55	89	87	82	86	91	90	91	87	84
Northern Interior	immunized	520	378	506	503	556	551	534	558	538	520	538
	total residents	569	571	562	583	597	594	602	610	628	630	612
	% immunized	91	66	90	86	93	93	89	91	86	83	88
Northeast	immunized	214	170	222	212	334	227	220	207	212	205	221
	total residents	240	240	244	243	377	250	246	250	249	253	252
	% immunized	89	71	91	87	89	91	89	83	85	81	88
BC	immunized	25,398	-	26,380	26,432	26,784	25,317	24,532	26,990	26,977	25,749	25,520
	total residents	28,376	-	29,453	29,811	30,109	28,105	27,707	31,145	30,951	29,838	29,501
	% immunized	90	-	90	89	89	90	89	87	87	86	87