

Report on the Uptake of the Influenza Vaccine for Health Care Workers (HCWs) and residents in Long-Term Care Residential Facilities (LTCFs) 2020-2021 Season

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Report prepared by the HPSC

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Summary Findings

This report presents data available from three different surveys administered to hospitals and long-term care facilities during the 2020/2021 influenza season.

HPSC-Survey-Hospital-based HCW Uptake

- Overall uptake among the 52 participating hospitals (three of which were non-HSE/private) was 71.0%, highest in the Dublin North East (RCSI) hospital group at 83.0% and lowest in the West/North West (Saolta) hospital group at 55.1%.
- Uptake was highest among health and social care professionals at 81.6% and lowest among other client care staff at 59.4%.
- Highest uptake was recorded by Our Lady of Lourdes Hospital, Drogheda at 89.2% and lowest in Letterkenny University Hospital at 34.7%.
- St. James's Hospital, Dublin had the largest number of vaccinated staff at 3,639 out of a total complement of 4,692 HCWs (77.6% uptake) with the lowest number recorded by Kilcreene Orthopaedic Hospital, Kilkenny (n=50/84; 59.5%).
- Among hospitals with staff complements of <1000, uptake was highest among the six Ireland East (UCD) hospitals at 78.3% and lowest among the two non-HSE hospitals at 53.5%; where staff complements were 1000+, uptake was highest among the five Dublin East (RCSI) hospitals at 78.3% and lowest among the four West/North West (Saolta UHG; NUIG) hospitals at 54.2%.

HPSC-Survey-LTCF-based HCW Uptake

- Uptake among those 225 managed/staff/funded by the HSE was 66.3%; among the 197 non-HSE/privately-run entities uptake was 60.9%. Among HSE facilities, uptake was highest in Community Health Organisation³ (CHO³) (75.0%) and lowest in CHO1 (56.4%); among non-HSE/privately-run facilities, uptake was highest in CHO7 (74.9%) and lowest in CHO1 (49.8%).
- In both HSE-funded and non-HSE/privately-run LTCFs, uptake was highest among medical and dental professionals (72.7% and 87.6%, respectively). Uptake was lowest among general support staff at 63.5% in HSE-funded LTCFs and among other patient and client care staff at 56.8% in non-HSE/privately-run LTCFs.
- Among HSE LTCFs with staff complements of <50, uptake was highest among the 20 LTCFs in CHO4 (75.0%) and lowest in the one LTCF in CHO7 (51.0%); where staff complements were 50+, uptake was highest among the five LTCFs in CHO3 (77.0%) and lowest among the 16 LTCFs in CHO1 (56.1%).
- Among non-HSE/privately-run LTCFs with staff complements of <50, uptake was highest among the four LTCFs in CHO5 (89.2%) and lowest among the 20 LTCFs in CHO8 (43.3%); where staff complements were 50+, uptake was highest among the seven LTCFs in CHO7 (75.7%) and lowest among the 12 LTCFs in CHO3 (45.2%).

HPSC-Point Prevalence Survey (PPS) of LTCF-based Residents

- In total, 320 LTCFs participated in the PPS relating to uptake among residents; 95 HSE and 225 non-HSE/privately-run facilities (ratio 1:2.42).
- Uptake in HSE and non-HSE LTCFs was similar; in HSE LTCFs uptake was 93.6% among long-term residents and 56.3% among respite residents; among non-HSE/privately-run facilities, overall uptake was 93.1% among long-term residents and 56.7% among respite residents.

¹ Details of each of the nine HSE Community Health Organisations are listed at the end of this report

- Across all nine CHOs and among both HSE and non-HSE/privately-run facilities, uptake among long-term residents was very high, the minimum recorded being 88.5% among non-HSE/privately-run facilities in CHO1.
- Uptake among respite residents varied considerably by CHO; in HSE only facilities the lowest was in CHO9 (10.3%) and highest in CHO6 and CHO8 (100%). In non-HSE/privately-run facilities the lowest was in CHO4 (22.2%) and highest in CHO5 and CHO9 (100%).

Introduction

This HSE-HPSC report on the uptake of the influenza vaccine for the current season 2020-2021 presents results based on a number of data sources, this report focuses on data obtained from hospitals and Long term care facilities obtained using an online survey tool *HSE-Health Protection Surveillance Centre (HPSC) demographix® surveys*: These capture uptake in health care workers (HCWs) based in acute hospitals and also among HCWs and residents in long-term/residential facilities (LTCFs).

The data presented in this report are for the influenza season 2020/2021. Nationally, the HSE target uptake of 75% remained unchanged from the previous season.

Methodology

HPSC surveys

Three HSE-HPSC surveys were conducted, two were targeted at HCWs, one for acute hospitals commenced on 16th October 2020 and another for LTCFs undertaken on 16th November 2020. A third survey, a point prevalence survey, was targeted at LTCFs to report on the uptake among residents and was carried out between 14th December 2020 and 18th December 2020. All three surveys were conducted using the online [demographix.com](https://www.demographix.com) platform.

Results

HSE-HPSC Demographix Surveys

Hospital-based HCW Uptake

In total, 49 out of 51 (96.1%) HSE hospitals participated fully in the survey. Of the two HSE hospitals that did not provide full set of returns, one (Coombe Women & Infants University Hospital, Dublin) was able to provide an overall uptake figure 96.1%, and the other was the Children's Hospital Ireland unit located in Tallaght University Hospital grounds). Three non-HSE/private hospitals also participated. Overall uptake among the 52 participating hospitals was 71.0% (Table 1b), with the highest uptake reported by the Dublin North East (RCSI) group (83.0%) and the lowest by the West/North West (Saolta) group (55.1%); there was no statistical difference between uptake by group and the national figure (Figure 1). Among staff categories, uptake was highest among health and social care professionals (81.6%) and lowest among other client care staff (59.4%) (Table 1b).

Table 1a Hospital-based Influenza Eligible and Vaccinated HCW Counts by Hospital Group and Staff Category for the 2020-2021 Season, 52 hospitals, including 3 non-HSE/private

Hospital Group	No. Hospitals	Total Eligible	Total Vaccinated	Eligible Management & Administration	Vaccinated Management & Administration	Eligible Medical & Dental	Vaccinated Medical & Dental	Eligible Nursing	Vaccinated Nursing	Eligible Health & Social Care	Vaccinated Health & Social Care	Eligible Other Patient Client Care	Vaccinated Other Patient Client Care	Eligible General Support	Vaccinated General Support
Children's Health Ireland	2	3868	3001	718	501	559	440	1516	1261	633	515	186	124	256	160
Dublin Midlands (TCD)**	6	11434	8271	1643	1088	1510	1114	4230	2948	1863	1613	1311	713	877	795
Dublin North East (RCSI)	7	10852	9006	1649	1212	1555	1378	4202	3642	1320	1183	931	708	1195	883
Ireland East (UCD)	11	14171	10980	2023	1487	2159	1735	5404	4277	1694	1563	1141	702	1750	1216
Midwest (UL)	6	4958	2979	720	476	683	441	2025	1220	474	364	430	177	626	301
South/South West (UCC)	10	12774	8975	1825	1265	1749	1441	5178	3430	1638	1380	788	464	1596	995
West/North West (Saolta, NUIG)	6	11111	6127	1547	719	1664	1142	4458	2508	1270	752	1073	581	1099	425
Other*	1	1095	844	592	462	32	29	153	105	173	138	89	58	56	52
Non-HSE/private	3	2542	1532	407	236	150	102	957	646	423	238	235	148	370	162
Total	52	72805	51715	11124	7446	10061	7822	28123	20037	9488	7746	6184	3675	7825	4989
Total excluding non-HSE/private	49	70263	50183	10717	7210	9911	7720	27166	19391	9065	7508	5949	3527	7455	4827

*National Rehabilitation Hospital in Dun Laoghaire, Dublin; **Excludes Coombe Women & Infants University Hospital, Dublin from Dublin Midlands (TCD) hospital group which reported an overall uptake of 96.1%, but no breakdown by the different categories of staff

The highest uptake was recorded by Our Lady of Lourdes Hospital, Drogheda (89.2%) and lowest in Letterkenny University Hospital (34.7%). St. James's Hospital, Dublin had the largest number of vaccinated staff (n=3,639 /4,692 HCWs; 77.6% uptake) with the lowest number recorded by Kilcreene Orthopaedic Hospital, Kilkenny (n=50/84; 59.5%) (Table 1c).

Table 1b Hospital-based Influenza HCW Uptake by Hospital Group and Staff Category for the 2020-2021 Season, n=52 Hospitals, including 3 non-HSE/private

Hospital Group	% Total Uptake	% Uptake Management & Administration	% Uptake Medical & Dental	% Uptake Nursing	% Uptake Health & Social Care	% Uptake Other Patient Client Care	% Uptake General Support
Children's Health Ireland	77.6	69.8	78.7	83.2	81.4	66.7	62.5
Dublin Midlands (TCD)**	72.3	66.2	73.8	69.7	86.6	54.4	90.6
Dublin North East (RCSI)	83.0	73.5	88.6	86.7	89.6	76.0	73.9
Ireland East (UCD)	77.5	73.5	80.4	79.1	92.3	61.5	69.5
Midwest (UL)	60.1	66.1	64.6	60.2	76.8	41.2	48.1
South/South West (UCC)	70.3	69.3	82.4	66.2	84.2	58.9	62.3
West/North West (Saolta, NUIG)	55.1	46.5	68.6	56.3	59.2	54.1	38.7
Other*	77.1	78.0	90.6	68.6	79.8	65.2	92.9
Non-HSE/private	60.3	58.0	68.0	67.5	56.3	63.0	43.8
Total	71.0	66.9	77.7	71.2	81.6	59.4	63.8
Total excluding non-HSE/private	71.4	67.3	77.9	71.4	82.8	59.3	64.7

*National Rehabilitation Hospital in Dun Laoghaire, Dublin; **Excludes Coombe Women & Infants University Hospital, Dublin from Dublin Midlands (TCD) hospital group which reported an overall uptake of 96.1%, but no breakdown by the different categories of staff

Table 1c Hospital-based Influenza HCW Uptake by Hospital for the 2020-2021 Season, n=52 Hospitals, including 3 non-HSE/private

Hospital Group	Hospital	Total Eligible	Total Vaccinated	% Uptake	
Children's Health Ireland	Children's University Hospital, Temple Street Dublin	1475	1181	80.1	
	Children's Health Ireland at Crumlin	2393	1820	76.1	
	Children's Health Ireland at Crumlin Unit in Tallaght Hospital	-	-	-*	
Children's Health Ireland Total		3868	3001	77.6	
Dublin Midlands (TCD)**	Midland Regional Hospital Portlaoise	1060	569	53.7	
	Midland Regional Hospital Tullamore	1271	813	64.0	
	Naas General Hospital	940	621	66.1	
	St. James's Hospital, Dublin	4692	3639	77.6	
	St. Luke's Hospital, Rathgar, Dublin	565	420	74.3	
	Tallaght University Hospital	2906	2209	76.0	
Dublin Midlands (TCD) Total		11434	8271	72.3	
Dublin North East (RCSI)	Cavan General Hospital	1279	902	70.5	
	Monaghan General Hospital	122	99	81.1	
	Rotunda Hospital Dublin	1021	835	81.8	
	Our Lady of Lourdes Hospital, Drogheda	2491	2222	89.2	
	Louth County Hospital, Dundalk	317	228	71.9	
	Beaumont Hospital	4104	3576	87.1	
	Connolly Hospital Blanchardstown	1518	1144	75.4	
	Coombe Women & Infants University Hospital, Dublin	-	-	96.1**	
Dublin North East (RCSI) Total		10852	9006	83.0	
Ireland East (UCD)	Cappagh National Orthopaedic Hospital, Dublin	493	381	77.3	
	Mater Misericordiae University Hospital, Dublin	4194	3018	72.0	
	Midland Regional Hospital Mullingar	1083	786	72.6	
	National Maternity Hospital, Holles Street	956	791	82.7	
	Our Lady's Hospital, Navan	659	519	78.8	
	Royal Victoria Eye & Ear Hospital, Dublin	335	256	76.4	
	St. Columcille's Hospital, Loughlinstown	509	392	77.0	
	St. Luke's General Hospital, Kilkenny	1281	1051	82.0	
	St. Michael's Hospital, Dun Laoghaire	472	343	72.7	
	St. Vincent's University Hospital	3047	2473	81.2	
	Wexford General Hospital	1142	970	84.9	
	Ireland East (UCD) Total		14171	10980	77.5
	Midwest (UL)	Nenagh Hospital	291	196	67.4
Ennis Hospital		265	157	59.2	
St. John's Hospital, Limerick		361	244	67.6	
Croom Orthopaedic Hospital		193	120	62.2	

Table 1c Hospital-based Influenza HCW Uptake by Hospital for the 2020-2021 Season, n=52 Hospitals, including 3 non-HSE/private (continued)

Hospital Group	Hospital	Total Eligible	Total Vaccinated	% Uptake
	University Maternity Hospital Limerick	442	309	69.9
	University Hospital Limerick	3406	1953	57.3
Midwest (UL) Total		4958	2979	60.1
South/South West (UCC)	Kilcreene Orthopaedic Hospital, Kilkenny	84	50	59.5
	Mallow General Hospital	286	214	74.8
	Cork University Hospital (excluding maternity)	4209	2854	67.8
	South Tipperary General Hospital, Clonmel	1091	729	66.8
	University Hospital Waterford	2280	1881	82.5
	Bantry General Hospital	327	246	75.2
	University Hospital Kerry	1400	862	61.6
	Cork University Hospital Maternity (CUHM)	687	503	73.2
	Mercy University Hospital, Cork	1405	1028	73.2
	South Infirmary - Victoria University Hospital, Cork	1005	608	60.5
South/South West (UCC) Total		12774	8975	70.3
West/North West (Saolta UHG; NUIG)	Galway University Hospitals	4363	2585	59.2
	Letterkenny University Hospital	2003	695	34.7
	Mayo University Hospital	1386	706	50.9
	Portiuncla University Hospital	966	605	62.6
	Roscommon University Hospital	391	234	59.8
	Sligo University Hospital	2002	1302	65.0
West/North West (Saolta UHG; NUIG) Total		11111	6127	55.1
Other	National Rehabilitation Hospital, Dún Laoghaire, Co. Dublin	1095	844	77.1
Other Total		1095	844	77.1
Non-HSE/private	Bon Secours Hospital, Glasnevin, Dublin	639	336	52.6
	Bon Secours Hospital, Cork	1318	877	66.5
	Bon Secours Hospital, Tralee	585	319	54.5
Non-HSE Total/private		2542	1532	60.3
Total		72805	51715	71.0

**Excludes Coombe Women & Infants University Hospital, Dublin from Dublin Midlands (TCD) hospital group which reported an overall uptake of 96.1%, but no breakdown by the different categories of staff; *Figure excluded from summary analysis as detailed return was not available

See Appendix 1 for a breakdown of HCW uptake by staff of category (See separate excel file with this report).

Among hospitals with staff complements of <1000, uptake was highest among the six Ireland East (UCD) hospitals (78.3%) and lowest among the two non-HSE/private hospitals (53.5%); where staff complements were 1000+, uptake was highest among the five Dublin East (RCSI) hospitals (78.3%) and lowest among the four West/North West (Saolta UHG; NUIG) hospitals (54.2%) (Figure 2).

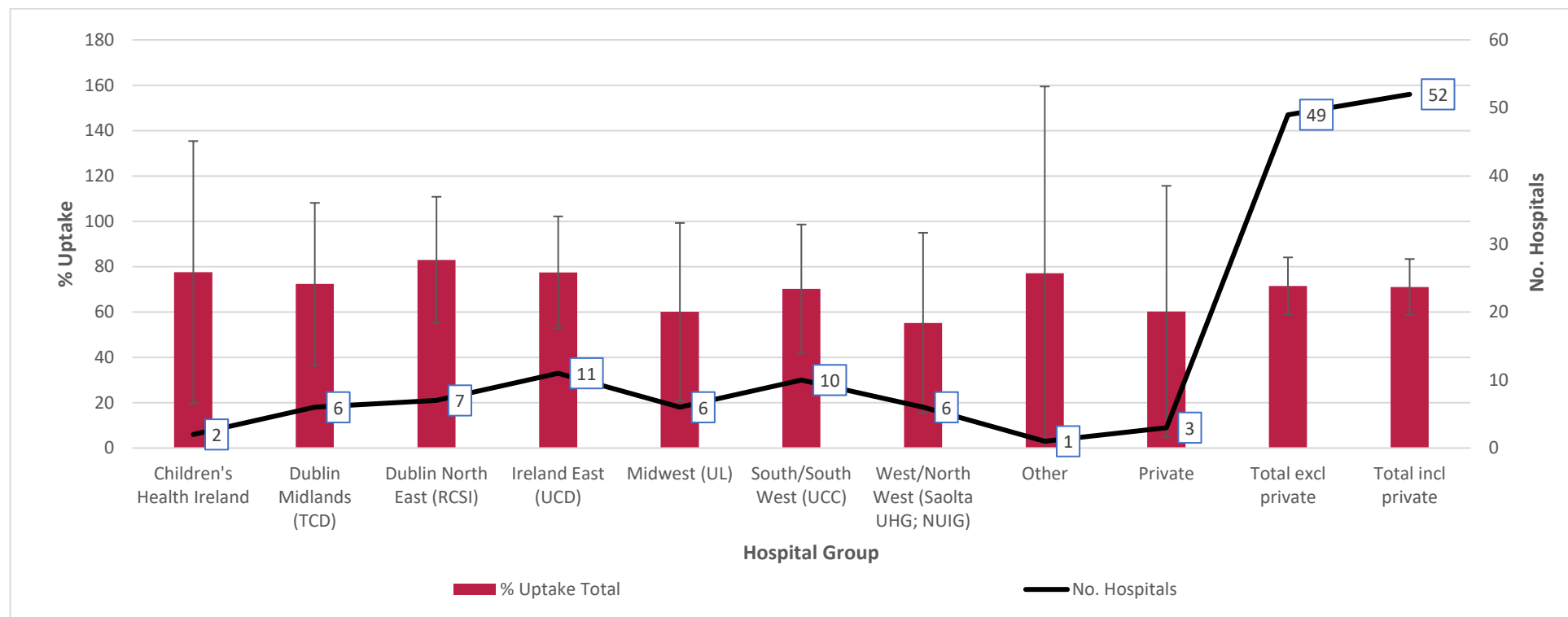


Figure 1.1 Percentage uptake of hospital-based HCWs by hospital group, 2020-2021 Season, n=52 hospitals, including 3 non-HSE/private

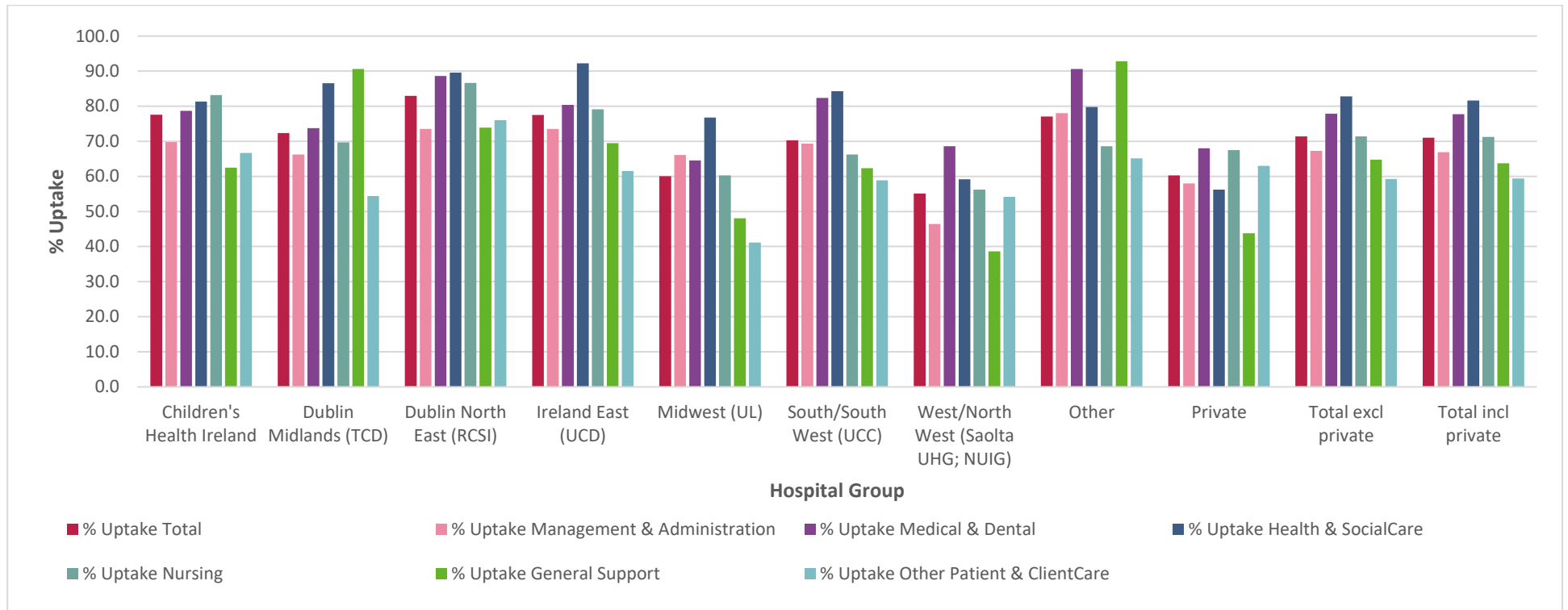


Figure 1.2 Percentage uptake of hospital-based HCWs by hospital group and staff category, 2020-2021 Season, n=52 hospitals, including 3 non-HSE/private

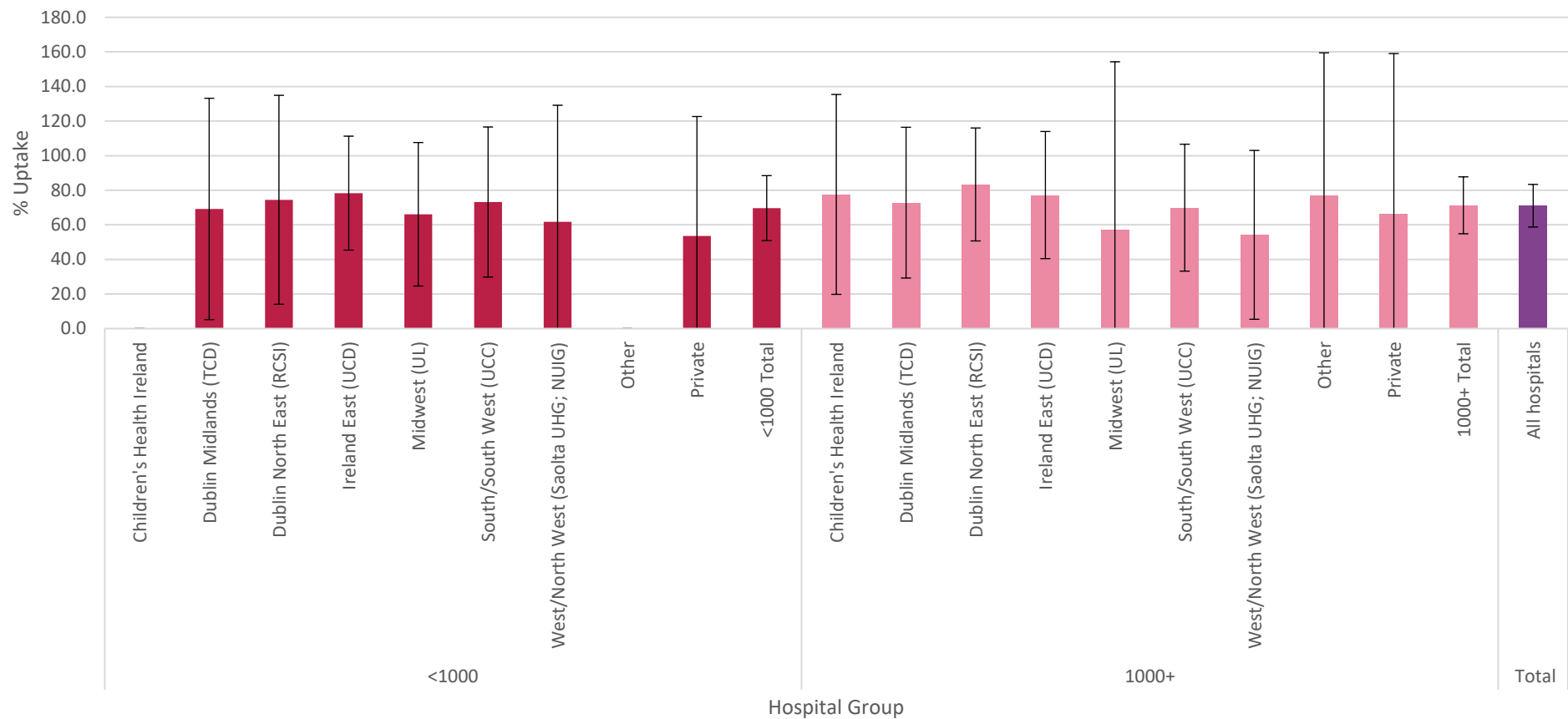


Figure 2 Percentage uptake of hospital-based HCWs by hospital group and staff size (<1000, 1000+ HCWs), 2020-2021 Season, n=52 hospitals, including 3 non-HSE/private

LTCF-based HCW Uptake

Among HCWs based in residential facilities, uptake among those 225 managed/staffed/funded by the HSE, was 66.3%, and was greater than that among the 197 non-HSE/privately-run entities (60.9%) (Tables 2b and 2d). Among HSE facilities, uptake was highest in CHO3 (75.0%) and lowest in CHO1 (56.4%) (Table 2b); among non-HSE/privately-run facilities, uptake was highest in CHO7 (74.9%) and lowest in CHO1 (49.8%) (Table 2d). In both HSE-funded and non-HSE/privately-run LTCFs, uptake was highest among medical and dental professionals (72.7% and 87.6%, respectively). Uptake was lowest among general support staff (63.5%) in HSE-funded LTCFs and among other patient and client care staff (56.8%) in non-HSE/privately-run LTCFs.

Table 2a LTCF-based HCW Influenza Eligible and Vaccinated HCW Counts by CHO and Staff Category (**HSE only**) for the 2020-2021 Season, n=225 LTCFs

CHO	No. LTCFs	Total Eligible	Total Vaccinated	Eligible Management & Administration	Vaccinated Management & Administration	Eligible Medical & Dental	Vaccinated Medical & Dental	Eligible Nursing	Vaccinated Nursing	Eligible Health & Social Care	Vaccinated Health & Social Care	Eligible Other Patient Client Care	Vaccinated Other Patient Client Care	Eligible General Support	Vaccinated General Support
CHO1	48	2343	1322	212	116	45	35	932	523	84	50	497	275	573	323
CHO2	21	1365	868	118	80	18	10	430	293	85	81	431	231	283	173
CHO3	18	1273	955	264	176	15	6	440	338	176	112	243	212	135	111
CHO4	43	2856	2079	167	128	64	54	1097	847	254	170	675	469	599	411
CHO5	57	1866	1340	64	45	77	52	915	634	41	35	480	365	289	209
CHO6	7	463	300	31	21	7	6	155	111	54	39	155	99	61	24
CHO7	7	727	488	49	45	11	10	249	155	82	68	216	135	120	75
CHO8	18	1503	899	110	73	89	65	430	263	119	61	363	218	392	219
CHO9	6	1141	731	44	42	18	12	507	316	59	52	393	220	120	89
Total	225	13537	8982	1059	726	344	250	5155	3480	954	668	3453	2224	2572	1634

Table 2b LTCF-based HCW Influenza Vaccine Uptake (%) by CHO and Staff Category (**HSE only**) for the 2020-2021 Season, n=225 LTCFs

CHO	% Total Uptake	% Uptake Management & Administration	% Uptake Medical & Dental	% Uptake Nursing	% Uptake Health & Social Care	% Uptake Other Patient Client Care	% Uptake General Support
CHO1	56.4	54.7	77.8	56.1	59.5	55.3	56.4
CHO2	63.6	67.8	55.6	68.1	95.3	53.6	61.1
CHO3	75.0	66.7	40.0	76.8	63.6	87.2	82.2
CHO4	72.8	76.6	84.4	77.2	66.9	69.5	68.6
CHO5	71.8	70.3	67.5	69.3	85.4	76.0	72.3
CHO6	64.8	67.7	85.7	71.6	72.2	63.9	39.3
CHO7	67.1	91.8	90.9	62.2	82.9	62.5	62.5
CHO8	59.8	66.4	73.0	61.2	51.1	60.1	55.9
CHO9	64.1	95.5	66.7	62.3	88.1	56.0	74.2
Total	66.3	68.6	72.7	67.5	70.0	64.4	63.5

Table 2c LTCF-based HCW Influenza Eligible and Vaccinated HCW Counts by CHO and Staff Category (**non-HSE/privately-run only**) for the 2020-2021 Season, n=197 LTCFs

CHO	No. LTCFs	Total Eligible	Total Vaccinated	Eligible Management & Administration	Vaccinated Management & Administration	Eligible Medical & Dental	Vaccinated Medical & Dental	Eligible Nursing	Vaccinated Nursing	Eligible Health & Social Care	Vaccinated Health & Social Care	Eligible Other Patient Client Care	Vaccinated Other Patient Client Care	Eligible General Support	Vaccinated General Support
CHO1	21	695	346	40	34	3	3	143	85	177	57	167	93	165	74
CHO2	7	495	299	39	29	1	0	117	91	127	74	133	44	78	61
CHO3	16	3213	1462	174	127	9	6	574	285	1078	406	751	353	627	285
CHO4	54	2893	1801	249	188	94	82	694	461	503	282	788	483	565	305
CHO5	16	1638	1056	164	125	0	0	299	183	381	293	503	256	291	199
CHO6	21	2052	1229	200	125	6	4	340	237	442	271	725	379	339	213
CHO7	12	2214	1659	198	152	40	38	489	386	652	542	499	330	336	211
CHO8	28	1005	565	109	43	0	0	130	97	366	165	237	156	163	104
CHO9	22	2676	1863	252	171	41	37	738	545	471	354	716	472	458	284
Total	197	16881	10280	1425	994	194	170	3524	2370	4197	2444	4519	2566	3022	1736

Table 2d LTCF-based HCW Influenza Vaccine Uptake (%) by CHO and Staff Category (**non-HSE/privately-run only**) for the 2020-2021 Season, n=197 LTCFs

CHO	% Total Uptake	% Uptake Management & Administration	% Uptake Medical & Dental	% Uptake Nursing	% Uptake Health & Social Care	% Uptake Other Patient Client Care	% Uptake General Support
CHO1	49.8	85.0	100.0	59.4	32.2	55.7	44.8
CHO2	60.4	74.4	0.0	77.8	58.3	33.1	78.2
CHO3	45.5	73.0	66.7	49.7	37.7	47.0	45.5
CHO4	62.3	75.5	87.2	66.4	56.1	61.3	54.0
CHO5	64.5	76.2	-	61.2	76.9	50.9	68.4
CHO6	59.9	62.5	66.7	69.7	61.3	52.3	62.8
CHO7	74.9	76.8	95.0	78.9	83.1	66.1	62.8
CHO8	56.2	39.4	-	74.6	45.1	65.8	63.8
CHO9	69.6	67.9	90.2	73.8	75.2	65.9	62.0
Total	60.9	69.8	87.6	67.2	58.2	56.8	57.4

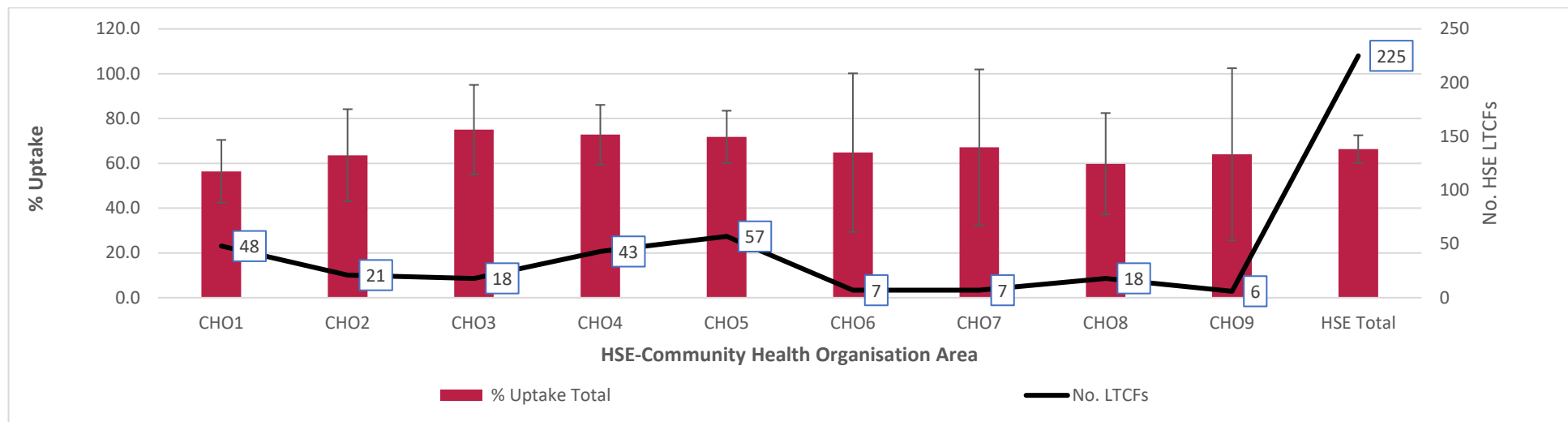


Figure 3.1 LTCF-based HCW Influenza uptake by CHO (HSE only) and number of reporting LTCFs for the 2020-2021 Season, n=225 LTCFs

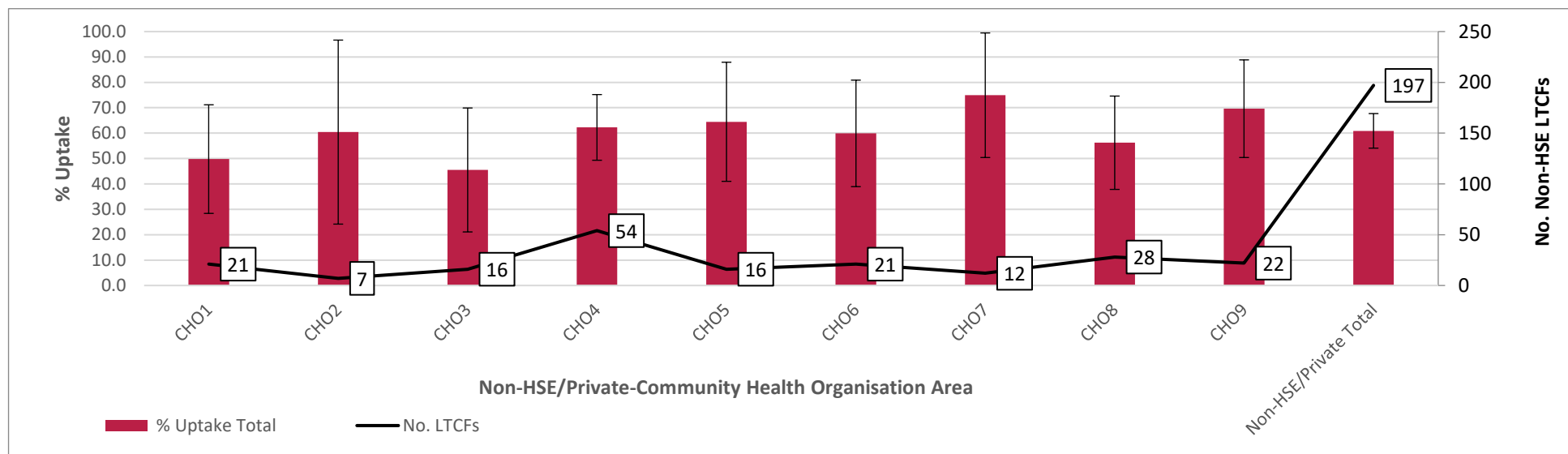


Figure 3.2 LTCF-based HCW Influenza uptake by CHO (non-HSE/private-run only) and number of reporting LTCFs for the 2020-2021 Season, n=197 LTCFs

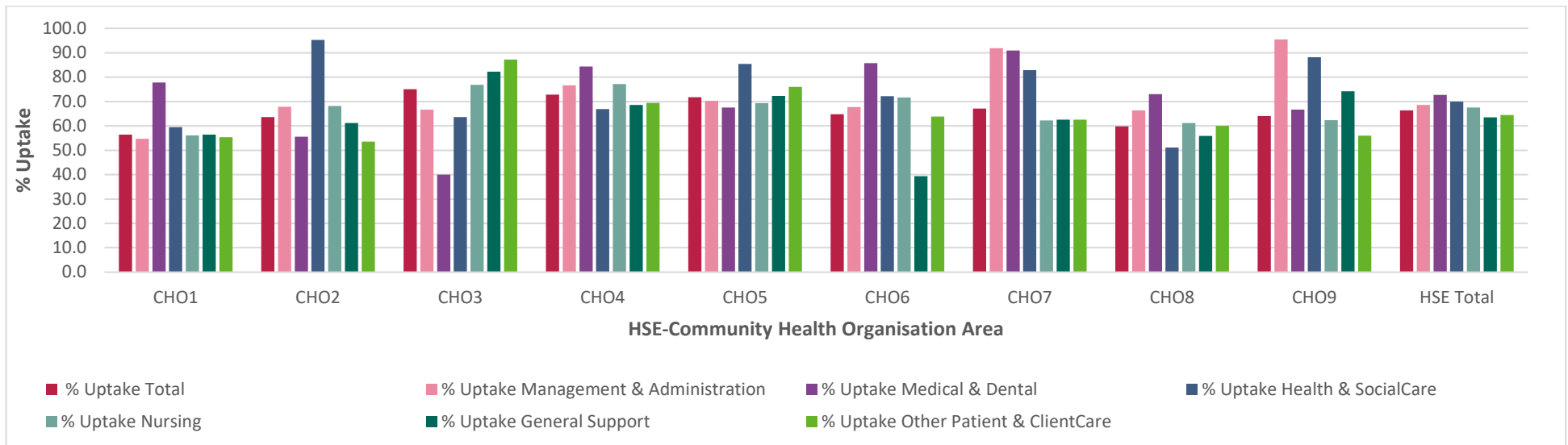


Figure 4.1 influenza vaccine uptake (%) of LTCF-based HCWs in HSE run facilities by CHO and staff category, 2020-2021 season, n=225 LTCFs

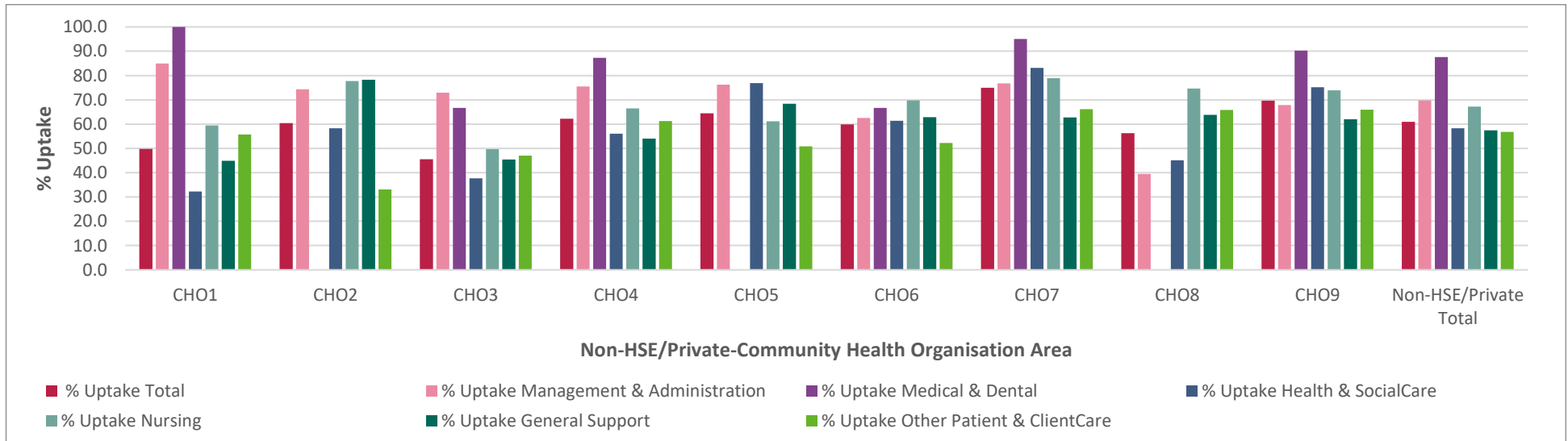


Figure 4.2 Influenza vaccine uptake (%) of LTCF-based HCWs in non-HSE/private-run facilities by CHO and staff category, 2020-2021 season, n=197 LTCFs

Among HSE LTCFs with staff complements of <50, uptake was highest among the 20 LTCFs in CHO4 (75.0%) and lowest in the one LTCF in CHO7 (51.0%); where staff complements were 50+, uptake was highest among the five LTCFs in CHO3 (77.0%) and lowest among the 16 LTCFs in CHO1 (56.1%) (Figure 5). Among non-HSE/privately-run LTCFs with staff complements of <50, uptake was highest among the four LTCFs in CHO5 (89.2%) and lowest among the 20 LTCFs in CHO8 (43.3%); where staff complements were 50+, uptake was highest among the seven LTCFs in CHO7 (75.7%) and lowest among the 12 LTCFs in CHO3 (45.2%) (Figure 5).

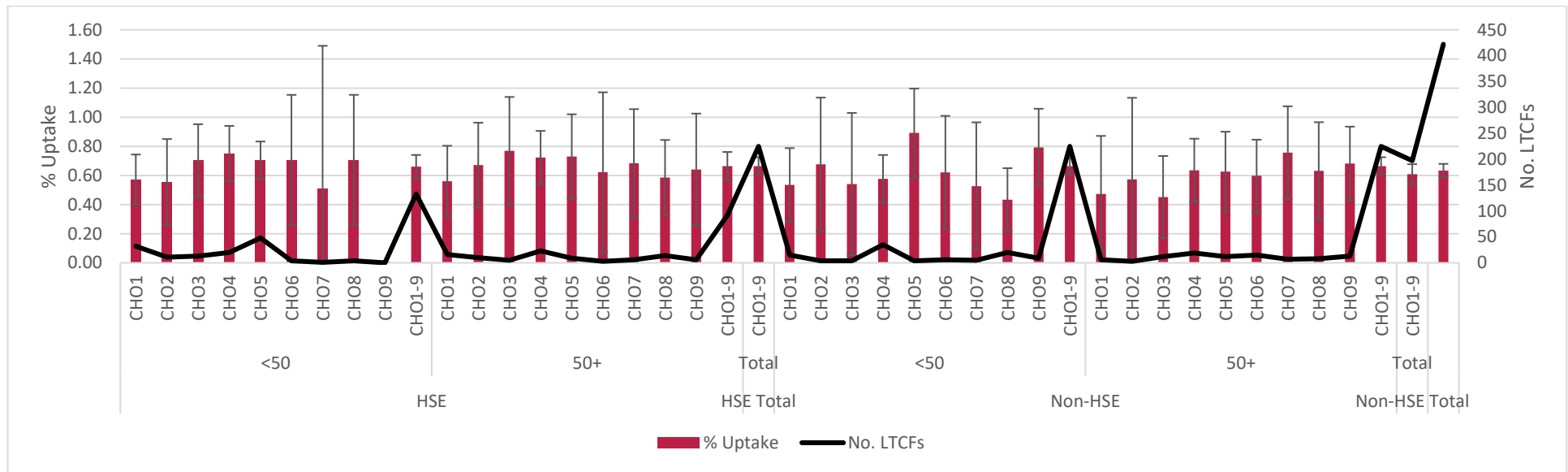


Figure 5 Influenza vaccine uptake (%) of LTCF-based HCWs by CHO and staff size (<50, 50+ HCWs), 2020-2021 season, n=422 LTCFs, including 225 HSE and 197 non-HSE/privately-run

LTCF-based Resident Uptake

In total, 320 LTCFs (95 HSE and 225 non-HSE/private-run, (ratio 1:2.42) participated in the Point Prevalence Survey (PPS), (Table 4). Overall uptake among the HSE facilities was 93.6% and 56.3% among respite residents; in the non-HSE/private-run LTCFs, uptake was similar, 93.1% among long-term residents and 56.7% among respite residents (Tables 3a, 3b).

Across all nine CHO and among both HSE and non-HSE/private-run facilities, uptake among long-term residents was very high, with the minimum recorded being 88.5% among non-HSE/private-run facilities in CHO1. Uptake among respite residents varied considerably by CHO; in HSE facilities (range 10.3% [CHO9] to 100% [CHO6 and CHO8]); in non-HSE/private-run facilities (range 22.2% [CHO4] to 100% [CHO5 and CHO9]) (Tables 3a, 3b).

Table 3a LTCF-based Residents Influenza Eligible and Vaccinated Counts and % Uptake by CHO (HSE only) for the 2020-2021 Season, n=95 LTCFs

CHO	No. LTCFs	Eligible Long-term Residents	Vaccinated Long-term Residents	% Uptake LT Residents	Eligible Respite Residents	Vaccinated Respite Residents	Uptake Respite Residents
CHO1	25	418	389	93.1	75	52	69.3
CHO2	2	55	54	98.2	0	0	-
CHO3	10	247	239	96.8	36	31	86.1
CHO4	21	611	568	93.0	54	32	59.3
CHO5	14	346	330	95.4	42	19	45.2
CHO6	2	120	116	96.7	2	2	100.0
CHO7	11	504	458	90.9	5	2	40.0
CHO8	5	152	146	96.1	1	1	100.0
CHO9	5	199	181	91.0	39	4	10.3
Total	95	2652	2481	93.6	254	143	56.3

Table 3b LTCF-based Residents Influenza Eligible and Vaccinated Counts and % Uptake by CHO (non-HSE/private-run only) for the 2020-2021 Season, n=225

CHO	No. LTCFs	Eligible Long-term Residents	Vaccinated Long-term Residents	% Uptake LT Residents	Eligible Respite Residents	Vaccinated Respite Residents	Uptake Respite Residents
CHO1	24	626	554	88.5	60	59	98.3
CHO2	11	409	388	94.9	21	20	95.2
CHO3	13	230	211	91.7	29	14	48.3
CHO4	23	662	615	92.9	9	2	22.2
CHO5	25	669	618	92.4	2	2	100.0
CHO6	25	1190	1138	95.6	145	56	38.6
CHO7	32	904	836	92.5	0	0	-
CHO8	56	768	715	93.1	24	11	45.8
CHO9	16	517	485	93.8	1	1	100.0
Total	225	5975	5560	93.1	291	165	56.7

In comparison to the long-term residents of LTCFs, relatively small numbers of respite residents were reported (n=254-HSE; 291-non-HSE/privately-run). Overall uptake among respite residents was similar in both HSE and non-HSE/privately-run facilities, at 56.3% in HSE and 56.7% in non-HSE/privately-run sites; the reported uptake among respite residents was less than that reported among the long-term residents (Figures 3.1, 3.2).

In terms of resident size numbers, 112 LTCFs with fewer than ten residents in non-HSE/privately-run LTCFs had a percentage uptake (76.8%) that was significantly less than the national result (93.2%) (Figure 4).

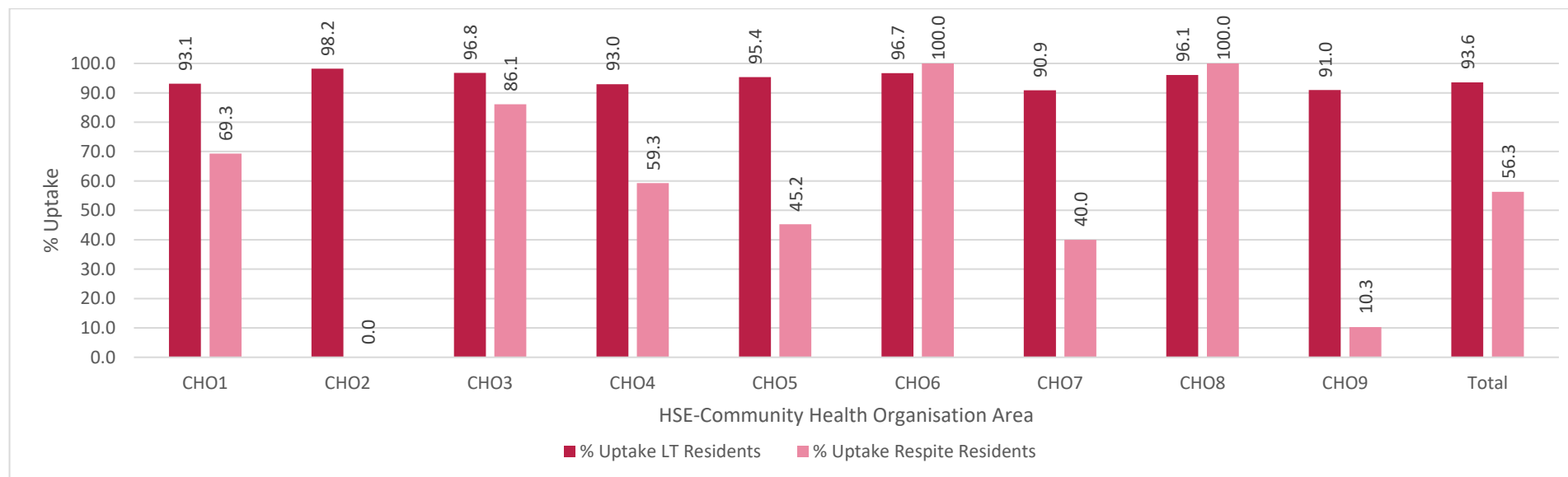


Figure 3.1 Percentage uptake of LTCF-based residents (long-term and respite) in HSE run facilities by CHO, 2020-2021 Season, n=95 LTCFs

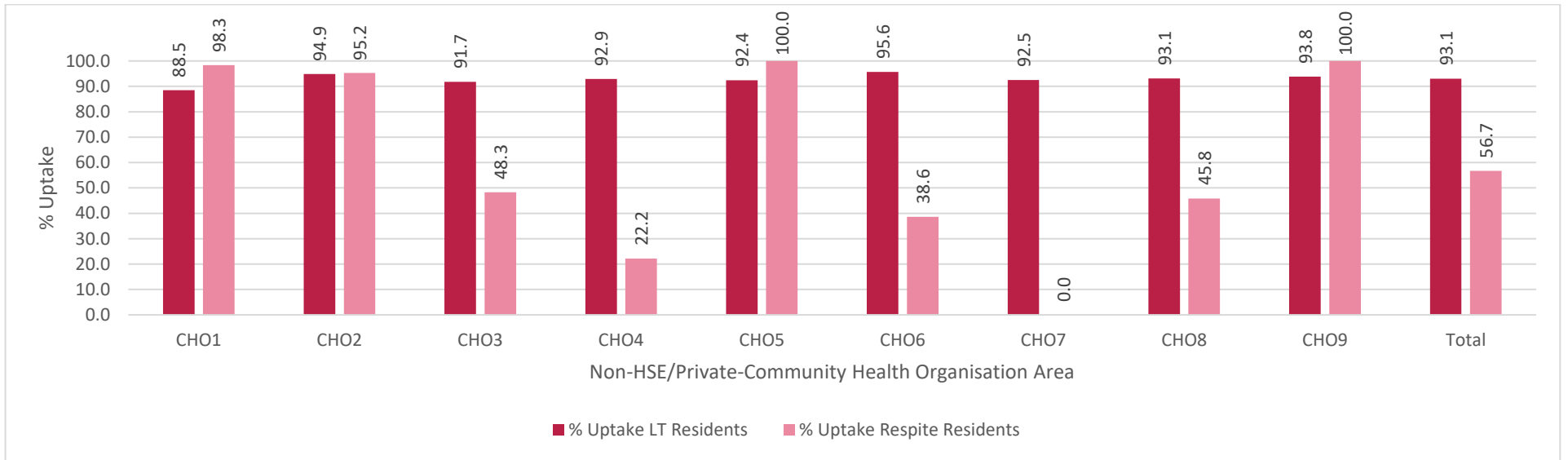


Figure 3.2 Percentage uptake of LTCF-based residents (long-term and respite) in non-HSE/private-run facilities by CHO, 2020-2021 Season, n=225 LTCFs

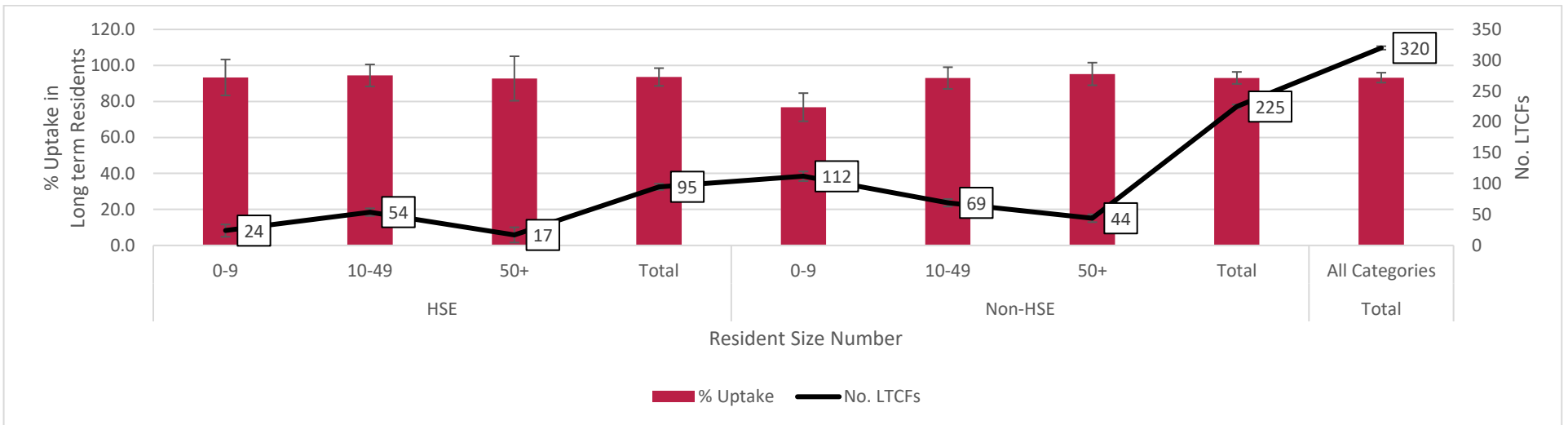


Figure 4 Influenza vaccine uptake (%) of LTCF-based residents (long-term and respite) in LTCFs by resident number size, 2020-2021 season, n=320 LTCFs

Discussion

The uptake recorded among HCWs via the HPSC demographix surveys during the 2020-2021 season showed marked improvements in uptake in comparison to the previous season. In 2019-2020, uptake among all hospital-based HCWs was 58.3% (58.9% among HSE hospitals), considerably lower than 71.0% (71.4% among HSE hospitals) recorded during the current season. Similarly, uptake among all LTCF-based HCWs was 43.1% (45.5% among HSE LTCFs) in 2019-2020 compared to 63.3% (66.3% among HSE LTCFs) in 2020-2021. Of note, and not included in this report, is the uptake among HCWs vaccinated by GPs or pharmacies (separate report). For the 2020-2021 season HCWs (both HSE and non HSE) were entitled to obtain free vaccination in the primary care setting if it was more convenient for them to do so. Therefore, it is possible that some HCWs who did obtain vaccination in these settings may not have reported vaccination to their work place, and their uptake would therefore not be reported by the hospital or LTCF.

With regard to LTCF residents, improved uptake was also observed among long-term residents in 2020-2021 season with an overall uptake of 89.4% (89.3% in HSE LTCFs) in 2019-2020 increasing to 93.2% (93.6% in HSE LTCFs) in 2020-2021. For respite residents, uptake declined in the 2020-2021 season in comparison to the previous season. It was 67.1% (66.5% in HSE LTCFs) in 2019-2020 compared to 56.5% (56.3% in HSE LTCFs) in 2020-2021, the reasons for this decline are not identified but may be related to the impact of the pandemic on respite admissions.

As monitoring uptake among health care workers is a key performance indicator and allows services to benchmark their performance against other similar services, there is a continued need to improve the monitoring capacity within the HSE health care settings to that services can demonstrate the enormous improvements in influenza vaccine uptake across the health sector and the most important influenza prevention control measure that can be put in place for patients and the workers.

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Community Health Organisation (CHO) Listing:

Area 1: Donegal; Sligo/Leitrim/West Cavan; Cavan/Monaghan; Area 2: Galway; Roscommon; Mayo; Area 3: Clare; Limerick; North Tipperary/East Limerick; Area 4: Kerry; North Cork; North Lee; South Lee; West Cork; Area 5: South Tipperary; Carlow/Kilkenny; Waterford; Wexford; Area 6: Wicklow; Dun Laoghaire; Dublin South East; Area 7: Kildare/West Wicklow; Dublin West; Dublin South City; Dublin South West; Area 8: Laois/Offaly; Longford/Westmeath; Louth/Meath; Area 9: Dublin North; Dublin North Central; Dublin North West