



## Uptake of the Seasonal Influenza Vaccine in Acute Hospitals and Long Term Care Facilities in Ireland in 2016-2017

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A Report by the Health Protection Surveillance Centre

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## Summary and key points

This report relates to influenza vaccination uptake among health care workers (HCWs), both in hospitals and long term care facilities (LTCFs) during the 2016-2017 influenza season in which 53 hospitals (including five private) and 142 LTCFs (including 20 not exclusively HSE funded and staffed) participated. Not all respondents provided complete returns. In order to present trends over all six seasons since 2011-2012, average uptake results (rather than overall figures) were calculated. This was done for two reasons: 1) the average is a measure that takes account of the different number of reporting healthcare units each season and 2) because the numbers of participating hospitals and LTCFs that have provided complete data in each of the six seasons since 2011-2012 are relatively low.

Please also note that uptake figures for previous seasons' annual reports here will differ from those previously presented due to updating and re-analysis of data, but also because many of the results will apply only to on hospitals and LTCFs that are both HSE funded and staffed, unless otherwise specified. Some returns from previous seasons were excluded as some hospitals were wrongly reported as LTCFs, are closed or were not part of the current HSE Hospital Grouping, with the exception of the National Rehabilitation Hospital<sup>\*</sup>. Among the hospitals and LTCFs that were not considered both HSE funded and staffed were those described as 'private', 'public & private', 'section 38 agency', 'section 39 agency' or whose funding source or status could not be verified at the time of writing.

## Influenza Vaccine Uptake in HSE funded and staffed Hospitals, 2016-2017 (Table A)

- 98.0% (48/49) of known HSE funded and staffed hospitals participated in the 2016-2017 survey
- Based on 48 complete returns
  - Average uptake among all categories of hospital HCWs was 31.9%
  - o 14 (29.2%) hospitals exceeded the 40% national uptake target
  - Average uptake varied by Hospital Group (range 21.5-56.2%)
  - o Highest average uptake was reported in Acute Paediatric Services Hospital group
  - Average uptake varied by HSE staff category (26.4-53.6%), the highest uptake was reported among 'medical and dental' professionals and lowest among nursing and other patient & client care' staff
  - o in general, the more staff eligible (employed) in a hospital the higher the uptake

## Influenza Vaccine Uptake in HSE funded and staffed LTCFs, 2016-2017 (Table B)

- 102<sup>+</sup> of HSE funded and staffed LTCFs participated in the current survey
- Based on 102 complete returns
  - Average uptake among all categories of LTCF-based HCWs was 28.1%
  - o 24 (23.5%) LTCFs exceeded the 40% national uptake threshold
  - Average uptake varied by Community Health Organisation (CHO) (range 19.5-44.5%)
  - Highest average uptake was reported in CHO 3 (Clare; Limerick; North Tipperary/East Limerick)
  - At national level, average uptake varied by HSE staff category (28.1-50.7%), the highest value was reported among 'health & social care' professionals and lowest among nursing staff

<sup>&</sup>lt;sup>\*</sup>Carlow District Hospital; Castlecomer District Hospital, Kilkenny; Sacred Heart Hospital, Carlow; St. Canice's Hospital, Kilkenny; St. Columba's Hospital, Thomastown, Kilkenny; St. Dympna's Hospital, Carlow; St. Patrick's Hospital, Cashel, Tipperary; St. Luke's General Hospital, Clonmel; Our Lady's Hospital, Cashel; Lacken Hospital, Kilkenny; St. Mary's Orthopaedic Hospital, Gurranebraher, Cork

<sup>&</sup>lt;sup>†</sup>In July 2017, 580 'old people's services' were registered with HIQA (<u>https://www.hiqa.ie/centre/export/older\_persons\_register.csv</u>), 121 had HSE as their registration provider; 435 of the 580 LTCFs have never participated in the annual HPSC surveys

- o No association was observed between average uptake and number of eligible staff
- Uptake among long stay residents since the beginning of the season was 93.5%
- Uptake among respite residents vaccinated within LTCFs since the beginning of the season was 19.1%
- $\circ~$  Uptake among respite residents vaccinated before admission to LTCFs since the beginning of the season was 14.1%

Table A. Average Influenza vaccine uptake hospital HCWs by Hospital Group, Staff Category Grade,
Staff Size and Season (based on complete returns only from HSE funded and staffed hospitals)

		Seasona	l Average % U	otake in Hospit	al HCWs	
Hospital Group**	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
Acute Paediatric Services	27.7	23.5	31.3	29.4	37.6	56.2
Dublin Midlands (TCD)	19.0	19.0	23.6	30.6	30.9	37.7
Dublin North East (RCSI)	27.5	17.5	27.7	22.9	24.6	42.3
Ireland East (UCD)	20.1	19.6	26.5	21.9	23.9	33.6
Midwest (UL)	na	na	11.6	17.9	15.5	21.5
South/South West (UCC)	9.4	9.4	12.1	11.2	14.7	22.3
West/North West (Saolta UHC; NUIG)	11.9	11.0	16.7	17.9	15.7	22.5
Other*	na	na	na	47.5	46.8	45.2
Private Hospitals	22.0	na	28.3	27.8	21.4	29.1
HSE Grade Category (excluding private						
hospitals)						
General Support Staff	25.7	21.8	28.1	26.5	28.3	35.6
Health & Social Care Professionals	26.5	17.1	28.1	25.8	28.9	42.2
Management & Administration	21.0	16.9	21.5	23.1	22.1	29.6
Medical & Dental	22.6	19.6	32.1	33.6	37.0	53.6
Nursing	13.7	10.9	15.9	16.6	16.9	26.4
Other Patient & Client Care	23.4	18.8	18.8 21.5 21.3		21.7	26.4
Eligible Staff Category Size (excluding						
private hospitals)						
<250	17.5	5.9	7.8	6.4	11.8	23.6
250-499	28.9	19.1	18.6	21.6	23.5	31.4
500-999	19.3	14.6	21.9	24.9	24.4	34.5
1000-1999	14.0	13.3	21.4	19.0	22.4	30.1
>=2000	18.8	19.7	27.1	26.6	26.5	34.8
All HCW Hospital Staff, excluding private	19.1	15.3	20.7	22.0	22.6	31.9
hospitals	15.1	15.5	20.7	22.0	22.0	51.5
All HCW Hospital Staff, including private	19.1	15.3	21.5	22.4	22.5	31.6
hospitals	19.1	15.5	21.5	22.4	22.5	51.0
Number of Participating Hospitals						
providing complete returns, excluding	36	32	41	39	46	48
private hospitals						
Number of Participating Hospitals						
providing complete returns, including	37	32	46	42	48	53
private hospitals						

na = not available/data not reported

\*Other=non-acute publicly funded hospitals i.e. National Rehabilitation Hospital, Dun Laoghaire

\*\*See <u>http://www.hse.ie/eng/services/list/3/acutehospitals/hospitalgroups.html</u> for details of hospital groups and their location

<sup>&</sup>lt;sup>+</sup> St. Ita's Psychiatric Hospital, Portrane, Co. Dublin and St. Oliver Plunkett Hospital, Drogheda, Co. Louth provided details on resident uptake but not of staff

Table B. Average influenza vaccine uptake in LTCF HCWs by CHO, Staff Category Grade, Staff Size
and Season (based on complete returns only from HSE funded and staffed LTCFs)

and Season (based on co				Uptake in LTCF				
Community Health Organisation (CHO) Area $^{\$}$	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017		
Area 1: DL; SO/LM; CN/MN	19.3	14.0	29.1	27.9	26.6	27.1		
Area 2: G; RN; MO	18.0	13.4	20.1	22.9	16.3	19.5		
Area 3: CE; L; TN/EL	13.8	15.7	33.2	46.5	44.1	44.5		
Area 4: KY; NC; NSL; WC	5.1	10.8	10.3	18.6	20.5	20.3		
Area 5: TS; CW/KK; WD; WX	15.5	9.8	14.8	16.6	15.2	26.9		
Area 6: WW; DS; DSE	37.5	26.4	33.4	31.6	23.3	26.9		
Area 7: KE; DW; DSC; DSW	23.8	16.4	17.4	27.1	22.4	28.6		
Area 8: S/OY; LD/WH; LH/MH	16.1	19.1	22.2	25.1	22.4	29.9		
Area 9: DN; DNC; DNW	22.6	28.8	38.4	49.5	45.2	43.7		
Private LTCFs	10.4	23.0	39.6	31.6	37.0	38.6		
HSE Grade Category, excluding	E Grade Category, excluding							
private LTCFs	te LTCFs							
General Support Staff	17.5	16.3	23.9	26.3	28.0	33.7		
Health & Social Care Professionals	12.7	14.6	32.5	49.3	33.2	50.7		
Management & Administration	19.2	19.0	33.6	40.3	38.1	41.4		
Medical & Dental	6.4	6.0	46.5	56.3	41.5	46.1		
Nursing	16.2	14.3	22.6	25.6	24.0	28.1		
Other Patient & Client Care	16.2	8.6	23.2	30.4	21.2	28.2		
Eligible Staff Category Size,								
excluding private LTCFs								
<50	13.8	15.7	23.0	26.7	27.1	30.8		
50-99	21.5	15.8	22.3	26.5	23.0	26.9		
100-149	27.8	16.2	24.3	37.1	20.0	25.5		
>=150	9.2	10.7	14.2	22.7	22.6	26.9		
All HCW LTCF Staff, excluding	17.3	14.9	21.6	26.9	24.4	28.1		
private LTCFs	17.5	14.5	21.0	20.5	24.4	20.1		
All HCW LTCF Staff, including	16.0	16.6	26.0	28.1	26.6	29.8		
private LTCFs		2010						
Number of Participating LTCFs								
providing complete returns,	57	108	88	67	81	102		
excluding private LTCFs*								
Number of Participating LTCFs								
providing complete returns,	70	137	117	91	98	122		
including private LTCFs*								

\*LTCFs who are private or whose funding status was not verified at time of writing

<sup>&</sup>lt;sup>§</sup> 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

## Introduction

Since 2008 the National Immunisation Advisory Committee (Immunisation Guidelines for Ireland) has recommended annual influenza vaccination for health-care workers, both for their own protection and for the protection of their patients. Prior to this (since 1999) influenza vaccination for health care workers was 'considered', but not strongly recommended.

HPSC has been reporting on uptake among HCWs since the 2011-2012 season. This sixth annual report summarises the uptake of seasonal influenza vaccine in 2016-2017 amongst HCWs in acute hospitals and long term care facilities (LTCFs) (LTCFs include disability/mental health facilities and care for the elderly units).

Achieving a high uptake of influenza vaccination among HCWs is recognised as a vital infection control measure and an occupational health issue, to reduce the risk of influenza transmission between patients and HCWs with the potential for severe disease for both patients and staff.

Since 2013, the HSE Leadership team has strongly supported the implementation of national and local action plans to improve influenza vaccination coverage of HCWs in Ireland. Among the actions endorsed was an uptake target of 40%, which has remained in place since then. Each year information and guidance (standard protocol) is circulated to identify influenza coordinators in each facility as well as senior managers in acute hospitals and LTCFs as well as to HSE area managers. The latest version of the protocol is located at: http://www.hpsc.ie/A-Z/Respiratory/Influenza/SeasonalInfluenza/InfluenzaandHealthcareWorkers/. Separate online survey forms for hospitals and LTCFs (Appendices 1.1 and 1.2) were designed using the http://www.demographix.com website. Links to these survey tools are sent to each facility twice during the influenza season.

The survey forms capture aggregate data on the number of HCWs (one of six categories used by HSE: management and administration; medical and dental; nursing; health and social care professional; other patient and client care; general support staff) eligible for vaccination and the number vaccinated during the season.

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## Methodology

For hospitals, occupational health departments were asked to provide data on the number and category of HCWs vaccinated by the service. The Human Resources (HR) departments were requested to provide data on the numbers of staff employed in the hospital by category.

In LTCFs, data on vaccination uptake among was sought from the nominated coordinators for each unit (supported by senior management). Information was also sought on the number of residents and respite care patients present and vaccinated during this time period.

For both the hospital and LTCF survey forms, a comments section was included for feedback.

An email with a separate link to the online forms was issued to known influenza coordinators/named contacts in 61 hospitals (of which 11 are private) and 262 (currently active) LTCFs<sup>\*\*</sup> on the 1<sup>st</sup> November 2016 when provisional mid-season data (with an end of November 2016 deadline) was requested. Further reminders for provisional data were issued on 15<sup>th</sup> November 2016. Instructions on how to complete the forms, how to calculate the numerator (number vaccinated) and denominator (number eligible) of staff and clients, and a description of staff categories was included in the attached protocol. Provisional data from this mid-season collection was reported to HSE leadership team on 19<sup>th</sup> December 2016 and shortly after provisional report published on the HPSC website.

A request for returns on final vaccination uptake data (with an end of June 2017 deadline) was made on 25<sup>th</sup> April 2017. Reminders were issued on 9<sup>th</sup> May 2017.

Over the course of the 2016-2017 season, data were routinely downloaded from the *Demographix.com* website, reviewed and imported into a MS-Access database. For the end-of-season analyses, aggregate data relating to vaccination uptake between the start of October 2016 and early May 2017 were used for both hospitals and LTCFs, otherwise the most recent or only set of facility returns for the analyses were used. Statistical analyses were performed in MS-Excel. The significance level was fixed at 0.05.

<sup>&</sup>lt;sup>\*\*</sup> These also include privately funded facilities, some of which are approved by the HSE, are registered with HIQA or avail of the Nursing Home Support Scheme

## Results

## Hospitals

#### **Hospital participation**

For the 2016-2017 season, a total of 61 acute hospitals (49 (80.3%) HSE funded (public/voluntary) and 12 (19.7%) private) were identified as eligible for inclusion in the survey based on previous data submissions.

In all, 53 (86.9%) hospitals participated and responded by providing complete staff vaccine uptake data returns. Twenty hospitals (37.7%) submitted their final, complete, cumulative, seasonal figures up until the beginning of April 2017 and 33 (62.3%) by the end of May 2017. Five (9.4%) of the 53 participating hospitals that provided complete returns were privately funded.

Different degrees of participation among the 61 currently eligible hospitals over the previous six seasons are presented in Figure 1. In 2016-2017 two hospitals provided details of whole time equivalent (WTE) staff figures rather than the *actual* number of eligible staff, but were included in the analyses.



**Figure 1** Reporting by 61 eligible hospitals (HSE funded and managed; private) by influenza season (totals 2012-2012 n=37; 2012-2013 n=32; 2013-2014 n=46; 2014-2015 n=42; 2015-2016 n=50; 2016-2017 n=53), Ireland (excludes returns from eight facilities that reported as hospitals in previous seasons, but have now been correctly recorded as long term care facilities

#### HCW vaccine uptake in HSE funded and staffed hospitals

In 2016-2017, average influenza vaccine uptake for all HCW in the 48 hospitals was 31.9%, up from 22.6% from the previous season when 46 hospitals provided complete returns, an increase that was statistically significant (Table 1). Fourteen hospitals (29.2%) exceeded the 40% national uptake target, compared to seven (15.2%) in 2015-2016. Details of staff uptake within each hospital over the past six seasons are presented in Appendix 2.2. In 2016-2017, both hospitals in the acute paediatric service group exceeded the 40% national uptake target, as did the National Rehabilitation Hospital. No hospital in either the West/North West (Saolta UHC; NUIG) or Midwest (UL) hospital groups reached this target. Full details are presented in Appendix 3.

 Table 1 Details of seasonal influenza vaccine uptake among HCWs in HSE funded and staffed hospitals by influenza season, Ireland\*

	Total No. Eligible	Total No. Vaccinated	AVERAGE %	AVERAGE %	Median %	Range %	No. Participating
Season	HCWs	HCWs	Uptake	Uptake 95% Cls	Uptake	Uptake	Hospitals
2011-2012	45058.02	8157	19.1	15.82-22.32	16.6	5.01-39.98	36
2012-2013	41490.16	7293	15.3	12.12-18.41	12.2	3.48-38.79	32
2013-2014	47760.39	11517	20.7	17.45-23.85	18.1	2.56-45.87	41
2014-2015	49917.22	11723	22.0	18.01-25.96	20.1	1.12-47.53	39
2015-2016	57493.52	14474	22.6	19.22-25.97	19.8	6.89-47.04	46
2016-2017	62396.42	21020	31.9	28.14-35.57	29.6	6.41-63.7	48

\*based on complete returns only

In the HSE Hospital Groups, the average uptake was highest in the Acute Paediatric Services group and lowest in the MidWest (UL) group (Figure 2). Details of uptake (both average and overall) across the different Hospital Groups during 2016-2017 are shown in Appendix 4.

At national level, the average uptake varied by HSE staff category (26.4-53.6%), with the highest value reported among 'medical and dental' professionals and lowest among 'other patient & client care staff' and nurses. Between 2015-2016 and 2016-2017 average uptake increased among all HCWs: medical and dental professionals (53.6%, +16.6%); health and social care professionals (42.2%, +13.4%); nursing staff (26.4%, +9.5%); management and administration (29.6%, +7.4%); general support staff (35.6%, +7.4%); and other patient and client care staff (26.4%, +4.6%) (Figure 3). Apart from other patient and client care staff, all of these changes in average uptake levels between the different categories of staff were statistically significant. Details of uptake (both average and overall) among different hospital staff grades in 2016-2017 are presented in Appendix 5.



**Figure 2** Average seasonal vaccine uptake among HCWs in HSE funded and staffed hospitals by influenza season and Hospital Group, Ireland (based on complete returns only) Notes: 1) data for the Midwest (UL) and in 2011-2012 and 2012-2013 was not reported; 2) excludes returns from 8 facilities that reported as hospitals in previous seasons, but have now been correctly recorded as long term care facilities. See <a href="http://www.hse.ie/eng/services/list/3/acutehospitals/hospitalgroups.html">http://www.hse.ie/eng/services/list/3/acutehospitals/hospitalgroups.html</a> for a description of hospital groups and their location; 3) National Rehabilitation Hospital is neither a private hospital or a hospital that falls within the 7 HSE hospital groups and therefore has been categorised under 'other'



<sup>□ 2011-2012 □ 2012-2013 □ 2013-2014</sup> **□** 2014-2015 **□** 2015-2016 **□** 2016-2017

**Figure 3** Average vaccine uptake among HCWs in HSE funded and staffed hospitals by HSE grade category and influenza season, Ireland (based on complete returns only)

When hospitals were categorised in groups in terms of the overall staff numbers, average uptake increased as staff size increased: average uptake was lowest where staff size was <250 HCWs at 23.6% and highest when staff size was >=2000 HCWs at 34.8% (Figure 4).



**Figure 4** Average vaccine uptake among HCWs in HSE funded and staffed hospitals by staff size group and influenza season, Ireland (based on complete returns only)

The percentage of participating hospitals reporting uptake in excess of 40% in 2016-2017 was 29.2%, part of an increasing trend seen over the previous four seasons (Figure 5).



**Figure 5** Percentage of HSE funded and staffed hospitals with an uptake >40%, by season, Ireland (based on complete returns only)

## Feedback on survey returns regarding vaccine from all hospital-based influenza coordinators/contacts

Six hospital returns provided comments, all of which recommended that vaccines provided to community service staff should be recorded as many hospital occupational health departments provide vaccines to these HSE staff. Two hospitals highlighted the absence of a category for health care students who were vaccinated during the influenza season. One hospital reported including medical students in their return data (number not specified). As denominator data for community service staff or health care students are not available, uptake amongst these groups cannot be calculated. Inclusion of community service staff or health care students vaccinated in the facility numerator will artificially inflate the influenza vaccine uptake among HCWs in these facilities.

## Long term care facilities (LTCFs)

#### **LTCF** participation

Since the surveys began in 2011-2012 season, a total of 270 LTCFs have been involved in at least one of the six annual influenza uptake surveys implemented, eight of these LTCFs have since closed. Of the 262 currently known active LTCFs in 2016-2017, 15 of which were newly identified and added to the HPSC contacts database and two others were deactivated. Six (40%) of these 15 new LTCFs provided care for those with either a mental health or some other disability.

Of the 142 LTCFs that submitted data in 2016-2017, 122 LTCFs (85.9%) provided complete staff vaccine uptake returns: 52 (42.6%) provided cumulative data up until 3<sup>rd</sup> April 2017 as part of initial request for provisional data in early November 2016 and 70 (57.3%) provided cumulative data up until 8<sup>th</sup> June 2017 as part of the second survey for end of season, final data. Different levels of participation by eligible LTCFs since 2011-2012 are presented in Figure 6. In 2016-2017, three LTCFs were known to have provided details of whole time equivalent (WTE) staff figures rather than the *actual* number of eligible staff, but were included in the analyses.



**Figure 6** Participation by LTCF type, level of reporting and influenza season, Ireland (2012-2012 n=120; 2012-2013 n=183; 2013-2014 n=131; 2014-2015 n=101 2015-2016 n=101; 2016-2017 n=142)

## HCW vaccine uptake in HSE funded and staffed LTCFs

In 2016-2017, average influenza vaccine uptake for all staff in 102 LTCFs was 28.1%, up from 24.4% in the previous season. Further uptake details by season are presented in Table 2. Details of staff

uptake by individual LTCFs in 2016-2017 are shown in Appendix 6.1. Details of average staff uptake in all LTCFs over the previous six seasons are presented in Appendix 6.2. Twenty-four (23.5%) of 102 LTCFs in 2016-2017 exceeded the 40% national uptake target (Appendix 7), compared to 7 (8.6%) of the 81 LTCFs in 2015-2016. CHO3 had the highest average uptake (44.5%) of LTCFs, the lowest was CHO2 with 19.5% (Figure 7). Full details are presented in Appendix 8.

 Table 2 Details of seasonal influenza vaccine uptake among HCWs in HSE funded and staffed LTCFs

 by influenza season, Ireland\*

	Total No.	Total No.					No.
	Eligible	Vaccinated	AVERAGE %	AVERAGE % Uptake	Median %	Range %	Participating
Season	HCWs	HCWs	Uptake	95% Cls	Uptake	Uptake	LTCFs
2011-2012	4159	733	17.3	12-22.59	10.3	0-90.38	57
2012-2013	10823.01	1327	14.9	12.26-17.47	11.1	0-76	108
2013-2014	8967.36	1745	21.6	18.06-25.04	18.3	0-80	88
2014-2015	7280	1766	26.9	22.81-30.99	25.0	0-77.14	67
2015-2016	7057.64	1625	24.4	20.29-28.44	22.2	0-100	81
2016-2017	9916.18	2690	28.1	24.84-31.34	24.7	0-75	102

\*based on complete returns only



□ 2011-2012 □ 2012-2013 **□** 2013-2014 **□** 2014-2015 **□** 2015-2016 **□** 2016-2017

**Figure 7** Average seasonal vaccine uptake among HCWs in HSE funded and staffed LTCFs by influenza season and CHO, Ireland (based on complete returns only) See footnote at bottom of page 6 for details of each Community Health Organisation and their location

Details of the uptake among LTCF staff grades in 2016-2017 are presented in Appendix 9. Between 2015-2016 and 2016-2017 average uptake increased uptake across all staff grades: health and social care professionals (50.7%, +17.9%), other patient and client care professional (28.2%, +7.1%); general support staff (33.7%, +5.7%), medical and dental staff (46.1%, +4.6%), nursing (28.1%, +4.1%); management and administration staff (41.4%, +3.3%) (Figure 8). The increase in average uptake levels among health and social care professionals and other patient and client care professionals between 2015-2016 and 2016-2017 were statistically significant.



**Figure 8** Average vaccine uptake among HCWs in HSE funded and staffed LTCFs by HSE grade category and influenza season, Ireland (based on complete returns only)

When LTCF staff sizes were categorised according to number of staff employed, average uptake did not increase according to facility staff number, on the contrary average uptake was highest when staff size was <50 HCWs at 30.8% in 2016-2017 (Figure 9).



**Figure 9** Average vaccine uptake among HCWs in HSE funded and staffed LTCFs by category of staff size and influenza season, Ireland (based on complete returns only)

After a decline to 8.6% in 2015-2016 the percentage of participating HSE funded and staffed LTCFs reporting uptake in excess of 40% in 2016-2017 rose to 23.5% (Figure 10).



**Figure 10** Percentage of participating HSE funded and staffed LTCFs with an uptake >40%, by season, Ireland

## Long stay residents in HSE funded and staffed LTCFs

Uptake among long stay residents in HSE funded and staffed LTCFs since the beginning of the season increased from 90.7 % among 82 LTCFs in the previous season to 93.5% among 102 LTCFs in 2016-2017 (Figure 11; Appendix 10).



**Figure 11** Percentage of long term residents vaccinated since season start by number of participating HSE funded and staffed LTCFs by influenza season, Ireland

#### Respite (short-stay) residents in HSE funded and staffed LTCFs

The percentage of respite residents vaccinated prior to admission in 2016-2017 was 14.1% among 102 reporting HSE funded and staffed LTCFs, a decline from 25.1% from the previous season (Figure 12; Appendix 10). In contrast, over the same period, the percentage of respite residents vaccinated in-house among the same LTCFs increase from 10.8% to 19.1% (Figure 13; Appendix 10).



**Figure 12** Percentage of respite residents vaccinated *before admission* to HSE funded and staffed LTCFs since season start by influenza season, Ireland



**Figure 13** Percentage of respite residents vaccinated *in* HSE funded and staffed LTCFs since season start by influenza season, Ireland

#### Vaccination policies in HSE funded and staffed LTCFs

The cumulative number of LTCFs that reported having a policy recommending that respite residents are vaccinated before being admitted was 56, a 27.3% increase on the previous season (Figure 14, Appendix 11.1).



**Figure 14** Cumulative number of HSE funded and staffed LTCFs that reported having a *Respite Resident Vaccination Policy* by influenza season, Ireland

The cumulative number of LTCFs that reported having a staff vaccination policy (before taking up a position) during 2016-2017 was 25, an increase of 13.6% since 2015-2016 (Figure 15; Appendix 11.2).



**Figure 15** Cumulative number of HSE funded and staffed LTCFs that reported having a *Staff Vaccination Policy* by influenza season, Ireland (Question regarding the vaccination of staff was not asked in the 2011-2012 season survey)

# Feedback on survey returns regarding vaccine uptake from all LTCF-based influenza coordinators/contacts

A total of 25 influenza coordinators based in LTCFs raised issues of concern in their returns, five of whom commented on more than one issue. More than a fifth of all comments concerned how respite resident vaccination figures were not collated, some citing a lack of resources to do so (Table 3). The other most frequent comment made was that management could not be certain as to how many of their staff had been vaccinated as occupational health departments held details on those vaccinated there and staff vaccinated by their own GP or in pharmacies are not required to inform management of vaccination status.

 Table 3 Observations and issues of concern highlighted by 25 LTCFs regarding staff and resident

 vaccine uptake, 2016-2017, Ireland

	No. of
Issue/Concern	Comments
Respite resident vaccination figures not collated	7
Only occupational health have information on staff vaccinations	6
Staff reported as having being vaccinated by their GP	3
Resident refusals of vaccination	2
Some residents too ill to receive vaccine	2
Respite residents not vaccinated	2
Staff refusals of vaccination	2
Difficult to access to flu vaccination in occupational health departments/units	1
Staff fear of vaccine side effects	1
Flu allergy question not included on survey	1
Staff reluctant to get vaccinated as they do not consider themselves to be at risk	1
Management not knowing how to encourage staff to take vaccine	1
Staff vaccination records not maintained as vaccination is not compulsory	1
Poor uptake by non-native born staff	1

## Discussion

#### Changes from previous annual reports

The increased level of participation by all hospitals in 2016-2017 from 48 to 53 (+10.4%) was low compared to that of LTCFs rising from 101 to 142 (+40.6%). Participation by HSE funded and staffed hospitals was near complete with 48 out of 49 reporting in 2016-2017, all of whom provided complete returns. In contrast, 102 out of 117 HSE funded and staffed LTCFs provided complete returns, up from 81 in 2016-2017.

Despite the increased participation by LTCFs, average uptake rose only marginally from 26.6% to 29.8% in all reporting LTCFs (from 24.4% to 28.1% in HSE funded and staffed LTCFs only) between 2015-2016 and 2016-2017. In contrast, the average uptake among all hospitals increased from 22.5% to 31.6% (or 22.6% to 31.9% in HSE funded and staffed hospitals only) over the same period of time.

In HSE funded and staffed hospitals, average percentage uptake in 2016-2017 was highest in the Acute Paediatric Services hospital group increasing from 37.6% to 56.2% since 2015-2016. LTCFs located in CHOs 3 and 9 reported the highest average uptakes figures, even though uptake declined from 45.2% in the latter group since the previous season.

Average uptake was highest among medical and dental staff and lowest in nursing staff in HSE funded and staffed hospitals. In contrast, average uptake was highest among health and social care professionals and lowest among nursing staff in in HSE funded and staffed LTCFs. The low uptake of the vaccine by hospital nurses remains a consistent occurrence and is a concern given that they accounted for 39.6% (n=24692/62396) of all HCW staff in HSE funded and staffed hospitals in 2016-2017.

In HSE funded and staffed hospitals, uptake in 2016-2017 was highest where staff size number was >=2000 HCWs and lowest where it was <250, a pattern that was observed in each of the precious five seasons. No consistent pattern was observed in LTCFs, as was the case in previous seasons. One possible reason for this is that larger hospitals with larger staff complements are more likely to have an occupational health department and/or a team of flu vaccine coordinators on-site.

The number of HSE funded and staffed hospitals and LTCFs that provided complete returns with uptakes in excess of 40% increased substantially in comparison to the last season. The marked improvement seen in the hospitals is part of a consistent trend since 2013-2014.

Increases in the percentage of long term and respite residents vaccinated since the beginning of the season within HSE funded and staffed LTCFs were also observed. The latter may have been a

response to reduction seen in the number of respite residents not being vaccinated prior to admission.

Even though average uptake among HCWs reported in 2016-2017 remains short of the 40% national target set by HSE, considerable improvements have been made in boosting uptake levels generally since the last season, particularly in hospitals. However, more work is needed if the 75% target goal for influenza vaccination coverage in all at-risk groups, including HCWs as recommended by the European Council in December 2009 [1], is to be reached.

Only a few comments were received from hospitals in relation to the survey (this was the first survey in which such comments were sought), but far more were received from LTCFs, possibly reflecting the greater challenges that they face in raising uptake levels. One issue raised by hospitals was the question of whether students (both nurses and medics) should be included in the reported survey returns. Another issue concerned the likelihood of including staff in reported figures if they are known to work in other hospitals where they may have received the vaccine.

For LTCFs, the issues raised were quite diverse, although some have also been reported in previous seasons. Among the most commonly cited ones included vaccination details not being collected for respite residents, only occupational health departments having staff vaccination details and some staff reporting that they were vaccinated by their own GPs, but this information not being known to management.

The low numbers of LTCFs that have a staff vaccination policy in place, despite the updating of national recommendations in September 2013 (2-4), is a cause for concern. (The hospital-based survey did not feature a question on staff vaccination policies, so this issue could not be explored). The absence of LTCF vaccination policies and of staff vaccination policies in particular may reflect insufficient awareness at senior management of their responsibility in infection control and reducing the risk of outbreaks and disease among their residents and staff.

#### Uptake in other countries

In England, vaccination uptake among those HCWs with direct patient contact is monitored (compared to Ireland where uptake among all HCWs is monitored). During the 2016-2017 season, influenza vaccine uptake among frontline HCWs was 63.2%, an increase of 12.6% from 50.6% for the previous season (5).

Overall vaccination uptake levels among HCWs were reported by 15 member states as part of the European Union-funded Venice study in 2014-2015 (6). A wide range of results were reported with the highest uptake reported by England (54.9%), Wales (44.3%) and Scotland (36.2%) and the lowest

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in Poland (5%). Apart from Ireland, the only other member state that reported HCW uptake in LTCFs was Portugal with a similar (overall) uptake of 22% (6).

In the United States, the Centre for Disease Control analysed data from an internet panel survey of HCWs conducted from October 27<sup>th</sup> through November 13<sup>th</sup>, 2016. Early-season 2016–2017 influenza vaccination coverage among HCWs was 68.5%, similar to early-season coverage during the 2015–2016 season (66.7%). Vaccination coverage among HCWs was found to be highest in hospitals (80.8%) and lowest in LTCFs (55.1%). Early-season influenza vaccination coverage was higher among HCWs whose employers required (89.3%) or recommended (69.4%) that they be vaccinated compared with HCWs whose employer did not have a requirement or a recommendation regarding flu vaccination (26.0%)(7).

#### **Emerging** issues

In separate communications outside of the survey itself, some hospital flu coordinators have recommended that both student nurses and medical students should be included in their survey figures and one hospital did report having done so (inappropriately). This presents a problem in that this can create a lack of consistency in the quality of reporting among all hospitals because it is not clear which of them may or may not have done this. It may also have the effect of inflating uptake reporting. Similarly with LTCFs, some concerns have been expressed regarding how it is not always possible to identify which in-house staff are permanent and which are temporary/agency staff and that some HCWs are affiliated with more than one facility resulting in a possible overestimation or under-estimation of uptake figures. Some have even queried the rationale in reporting only permanent staff, thereby excluding substantial numbers of community based staff working off site, for example.

As in previous seasons, a number of reasons have been cited in the survey as contributing to reduced uptake of the influenza vaccine among LTCF-based staff. Among them were staff refusals, fear of possible vaccine side effects and allergic reactions, staff claiming that they are not at risk of influenza, whilst others cited access difficulties and management stating that only occupational health departments had details of staff vaccinations and/or that they didn't maintain such records as vaccination was not compulsory. Together, these present the most significant barriers to raising vaccine uptake.

Separately, one CHO-based project leader involved in the annual flu vaccine campaign reported that occupational health departments are not permitted to release staff vaccination status details to hospital managers. This non-disclosure has led to considerable infection control problems locally for example, in outbreak management: when an infection control nurses enters an affected unit, they

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will request staff lists of those who have been vaccinated, but more often than not, they are given empty lists, which can give to considerable rostering and infection control difficulties. This in turn can lead to hospital managers having to rely on asking staff to voluntary disclose their vaccination status, which many staff are reported to consider it to be a private and confidential personal matter.

Another issue that was raised separately by the same source above was the fact that some occupational health services are not aligned with reporting structures, in that their remit straddled more than one hospital grouping and/or CHOs and that this in itself can present its own challenges in coordinating a streamlined flu vaccination programme.

## Recommendations

The lists of recommendations below have been assembled under similar themes drawn up at the HSE's 'fighting the flu together' one-day conference held in Sligo on April 24<sup>th</sup>, 2017. Many of the recommendations included here have also been cited in previous, final season reports:

#### Improving flu vaccine uptake reporting

- Create an official register of all nominated flu coordinators in each hospital and LTCF with up to date contact details
- Recognise that not all LTCFs are the same, that each type is managed differently and require different levels of support with the flu campaign
- Identify and seek explanations from those HSE funded units where management either do not or cannot maintain records of staff vaccinations
- Consider reporting of staff and resident vaccination and/or uptake targets as a HIQA registration criteria for all LTCFs and in their auditing of hospitals
- Clarification to be sought in relation to denominator data/eligible staff numbers and its timeliness in that it should reflect the time at which vaccinated staff numbers are collated
- Management need to know the vaccination status of their staff in their facilities in the interests of infection control, particularly of patients and of staff
- Consider increasing the current national uptake target above 40%
- Develop and implement new technologies for monitoring influenza vaccine immunisation that will allow more efficient capture of data

## Improving attitudes to change

• Formal HSE or Department of Health policies or directives to be drawn up stating that staff flu vaccination should be management-led and financially resourced by hospital senior management with occupational health for example, also having a real decision-making role

- Need for greater transparency behind the funding of vaccination promotion programmes
- Greater leadership be shown by senior management and infection control committees and have them accountable in meeting uptake targets
- Greater independence be given to directors of nursing and their assistants, clinical nurse and service managers, infection control nurses and occupational health personnel in order for them to implement their local vaccination campaign strategies
- Medical consultants, senior nurses and department heads should become advocates of the benefits of flu vaccination
- Information-led promotion strategies should be designed on the basis that workplace context influences vaccine acceptance
- Highlight influenza vaccination as an infection control measure, and as a marker of quality
- Communicate to HCWs that vaccination should be regarded as integral to duty of care, as equally important as hand hygiene
- Link flu vaccination to ethical professionalism and competency and also to continuous professional development (CPD) rewards points
- More IT support to be given to occupational health services with access to local websites and use of email systems to help target HCWs with timely vaccination campaign messages

## Improving vaccine availability and access

- Allow staff official time off to attend vaccination clinics
- Improve access to vaccination clinics through mobile units operating on-site and in the wards
- Vaccination clinics to be open for longer to facilitate HCWs before and after their shifts, at weekends and at nights
- Stress the fact that the flu vaccine is free to all HCWs
- Consider introducing a reimbursement scheme for those HCWs who avail of vaccine outside of the HSE
- Increase frequency of vaccination clinics both before and after the new year period of the flu season
- Issue more timely reminders of vaccination clinic opening hours to staff
- Ring fence funding for rewards and incentives for vaccination campaigns

## Improving flu campaigns

• Establish an official national flu vaccine awareness day/week at the beginning of season

- Promote greater flu campaign coordination between HSE, National Immunisation Office, flu projects leads in CHOs and hospitals
- Consider positive endorsements by athletes, advocates for elderly care and at risk groups, and also by medics/consultants and also senior politicians from all parties
- Engage more with nursing and health professional trade unions and seek their campaign support
- Reinforce the message of 'primum non nocere' ('first, do no harm') to HCWs and focus on the benefits of flu vaccination in protecting individual HCWs themselves and their own families
- Emphasise the positive benefits of vaccination with fewer HCWs requiring sick leave and fewer patients with influenza waiting on trollies in over-crowded A&E departments
- HSE/Department of Health to establish a dedicated communication task force to identify and counter anti-vaccination campaigns and media stories in a timely and effective manner
- Consider introducing alternative/less painful flu vaccine delivery systems such as nasal sprays
- Create customised, promotional posters for different groups: health professionals, at risk patients etc
- Current HSE promotional leaflets to be also written up in other languages to cater for those whose first language is not English
- Introduce more humorous content into promotional posters, videos and radio commercials

## Acknowledgements

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Appendices

Appendices 1.1 and 1.2 Hospital-based and LTCF-based online survey forms -pdf versions

Located at <a href="https://www.hpsc.ie/a-">https://www.hpsc.ie/a-</a>

z/respiratory/influenza/seasonalinfluenza/influenzaandhealthcareworkers/hcwinfluenzavaccineupta kereports/

## **Appendix 2.1** Seasonal Influenza Vaccine % Uptake in HCWs by Individual Hospital, 2016-2017, Ireland (n=53, including 5 private, with complete staff vaccine uptake returns)

					Data
		Total	Staff	Staff	Comple
Hernitel Crown	Herritel	Eligible	Vaccin	Vaccin	eness
Hospital Group Acute Paediatric Services	Hospital Children's University Hospital, Temple Street	Staff 1507	ated 960	ated 63.7	Y/N Y
Dublin North East (RCSI)	Monaghan General Hospital	101.8	54	53.0	Y
Dublin North East (RCSI)	Rotunda Hospital	900	473	52.6	Ý
	Beaumont Hospital	3708	1874	52.0	Y
Dublin North East (RCSI)					Y
Ireland East (UCD) Acute Paediatric Services	St. Vincent's University Hospital Our Lady's Hospital for Sick Children, Crumlin	3100	1565	50.5	Y
	Coombe Women's Hospital	1990	968	48.6	
Dublin Midlands (TCD)		895	429	47.9	Y
Other	National Rehabilitation Hospital, Dún Laoghaire, Co. Dublin	462	209	45.2	Y
Dublin Midlands (TCD)	Adelaide & Meath & National Children's Hospital, Tallaght	3059	1360	44.5	Y
South/South West (UCC)	Mercy University Hospital, Cork	1082	468	43.3	Y
Dublin Midlands (TCD)	St. James's Hospital	4587	1979	43.1	Y
reland East (UCD)	St. Michael's Hospital, Dun Laoghaire	434	186	42.9	Y
Ireland East (UCD)	Our Lady's Hospital, Navan	583	243	41.7	Y
Dublin Midlands (TCD)	Naas General Hospital	779	316	40.6	Y
reland East (UCD)	National Maternity Hospital, Holles Street	964	363	37.7	Y
reland East (UCD)	Cappagh National Orthopaedic Hospital, Dublin	412	155	37.6	Y
Dublin North East (RCSI)	Our Lady Of Lourdes Hospital, Drogheda	2028	761	37.5	Y
Dublin North East (RCSI)	Louth County Hospital, Dundalk	329	122	37.1	Y
Dublin North East (RCSI)	Connolly Hospital, Blanchardstown	1318	458	34.7	Y
Dublin Midlands (TCD)	St. Luke's Hospital, Dublin	563	195	34.6	Y
reland East (UCD)	St. Columcille's Hospital, Loughlinstown	509	174	34.2	Y
West/North West (Saolta UHC; NUIG)	Portiuncula Hospital, Ballinasloe	806	270	33.5	Y
reland East (UCD)	Mater Misericordiae University Hospital	3348	1101	32.9	Y
Dublin North East (RCSI)	Cavan General Hospital	912.62	277	30.4	Y
Midwest (UL)	St. John's Hospital, Limerick	336	97	28.9	Y
reland East (UCD)	Midland Regional Hospital Mullingar	964	278	28.8	Y
Dublin Midlands (TCD)	Midland Regional Hospital Tullamore	1127	319	28.3	Y
reland East (UCD)	Royal Victoria Eye & Ear Hospital, Dublin	313	86	27.5	Y
Vidwest (UL)	University Hospital Limerick	2723	747	27.4	Y
South/South West (UCC)	Bantry General Hospital	288	77	26.7	Y
Midwest (UL)	Nenagh Hospital	245	65	26.5	Y
Dublin Midlands (TCD)	Midland Regional Hospital Portlaoise	753	189	25.1	Y
Nest/North West (Saolta UHC; NUIG)	Letterkenny General Hospital	1463	348	23.8	Y
West/North West (Saolta UHC; NUIG)	Roscommon County Hospital	339	78	23.0	Ŷ
South/South West (UCC)	South Infirmary - Victoria University Hospital, Cork	880	194	22.0	Ŷ
South/South West (UCC)	Cork University Hospital	4243	932	22.0	Ŷ
Midwest (UL)	Ennis Hospital	248	54	21.8	Ŷ
West/North West (Saolta UHC; NUIG)	Sligo General Hospital	1723	375	21.8	Ŷ
South/South West (UCC)	Waterford University Hospital	2075	451	21.8	Ŷ
reland East (UCD)	Wexford General Hospital	1140	233	20.4	Ŷ
South/South West (UCC)	South Tipperary General Hospital, Clonmel	994	197	19.8	Ŷ
West/North West (Saolta UHC; NUIG)	University College Hospital Galway	3873	693	19.8	Y
South/South West (UCC)	University Hospital Kerry	1182	190	17.9	Y
reland East (UCD)	St. Luke's General Hospital, Kilkenny				
reland East (UCD) West/North West (Saolta UHC; NUIG)		1255	198	15.8	Y
	Mayo General Hospital, Castlebar	1215	182	15.0	Y
Vidwest (UL)	University Maternity Hospital Limerick	387	54	14.0	Y
Vidwest (UL)	Croom Orthopaedic Hospital	175	18	10.3	Y
South/South West (UCC)	Lourdes Orthopaedic Hospital, Kilcreene, Kilkenny	78	5	6.4	Y
Private	Bon Secours Hospital, Glasnevin, Dublin	600	270	45.0	Y
Private	Blackrock Clinic, Co. Dublin	922	293	31.8	Y
Private	Hermitage Medical Clinic, Old Lucan Road, Dublin 20	463	139	30.0	Y
Private	Bon Secours Hospital, Tralee	534	133	24.9	Y
Private	Bon Secours Hospital, Renmore, Galway	527	74	14.0	Y

See <u>http://www.hse.ie/eng/services/list/3/acutehospitals/hospitalgroups.html</u> for description of hospital groups

		2011-	2012-	2013-	2014-	2015-	2016-	HSE	No of Complete Annual Survey	Active June
Hospital Group	Hospital	2012	2013	2014	2015	2016	2017	Funded	Returns	2017
Acute Paediatric Services	Children's University Hospital, Temple Street	31.6	25.5	43.4	36.7	47	63.7	Yes	6	Y
Acute Paediatric Services	Our Lady's Hospital for Sick Children, Crumlin	23.9	21.5	19.2	22	28.2	48.6	Yes	6	Y
Dublin Midlands (TCD)	Coombe Women's Hospital	16.2	12.9 15.6	28.6	41.7 31.9	43.5	47.9 44.5	Yes	6	Y
Dublin Midlands (TCD)	Adelaide & Meath & National Children's Hospital, Tallaght	13.2		20.7		44.4		Yes	6	Y Y
Dublin Midlands (TCD)	St. James's Hospital	21.4	30.5	32.2	32.1	33.2	43.1	Yes	6	
Dublin Midlands (TCD)	Naas General Hospital	29.1		23.8	41.1	27.6	40.6	Yes	5	Y
Dublin Midlands (TCD)	St Luke's Hospital, Dublin	26.9		31.1	34.6	29.6	34.6	Yes	5	Y
Dublin Midlands (TCD)	Midland Regional Hospital Tullamore	14.9	15.3	16.9	17.7	20.2	28.3	Yes	6	Y
Dublin Midlands (TCD)	Midland Regional Hospital Portlaoise	11.5	20.7	11.7	15.4	17.9	25.1	Yes	6	Y
Dublin North East (RCSI)	Monaghan General Hospital	30	5.3	12.2		9.7	53	Yes	5	Y
Dublin North East (RCSI)	Rotunda Hospital	39.2		32.5	35	41.1	52.6	Yes	5	Y
Dublin North East (RCSI)	Beaumont Hospital	29.7	38.8	45.9	43.8	44.7	50.5	Yes	6	Y
Dublin North East (RCSI)	Our Lady Of Lourdes Hospital, Drogheda	12.7			1.4	15.7	37.5	Yes	4	Y
Dublin North East (RCSI)	Louth County Hospital, Dundalk	40			3.8	15.2	37.1	Yes	4	Y
Dublin North East (RCSI)	Connolly Hospital, Blanchardstown	20.1	17.8	30.6	30.4	31.9	34.7	Yes	6	Y
Dublin North East (RCSI)	Cavan General Hospital	21	8.3	17.3		14.1	30.4	Yes	5	Y
Ireland East (UCD)	St Vincent's University Hospital	23.5	21.1	37.9	37.7	40.5	50.5	Yes	6	Y
Ireland East (UCD)	St Michael's Hospital, Dun Laoghaire	33.8	32.4	32.1	33.4	31	42.9	Yes	6	Y
Ireland East (UCD)	Our Lady's Hospital, Navan	31.7			1.8	7	41.7	Yes	4	Y
Ireland East (UCD)	National Maternity Hospital, Holles Street	14		28	23.3	26.9	37.7	Yes	5	Y
Ireland East (UCD)	Cappagh National Orthopaedic Hospital, Dublin	16.7	16.9	24.9	19.8	20	37.6	Yes	6	Y
Ireland East (UCD)	St Columcille's Hospital, Loughlinstown		28.4	30.2	28.8		34.2	Yes	4	Y
Ireland East (UCD)	Mater Misericordiae University Hospital	23		30.4		25.9	32.9	Yes	4	Y
Ireland East (UCD)	Midland Regional Hospital Mullingar	16.5	23.1	18.1	22.1	19.9	28.8	Yes	6	Y
Ireland East (UCD)	Royal Victoria Eye & Ear Hospital, Dublin	24.6		21.1	27.2	30	27.5	Yes	5	Y
Ireland East (UCD)	Wexford General Hospital	6.8	5.9		12.1	16.6	20.4	Yes	5	Y
Ireland East (UCD)	St. Luke's General Hospital, Kilkenny	10.6	9.5	15.6	12.8	21.6	15.8	Yes	6	Y
Midwest (UL)	St John's Hospital, Limerick			25.6	17.9	22.9	28.9	Yes	4	Y
Midwest (UL)	Mid-Western Regional Hospital, Dooradoyle, Limerick			14.6		18.8	27.4	Yes	3	Y
Midwest (UL)	Mid-Western Regional Hospital Nenagh			5.3		16.2	26.5	Yes	3	Y
Midwest (UL)	Mid-Western Regional Hospital Ennis			7.6		14.8	21.8	Yes	3	Y
Midwest (UL)	Mid-Western Regional Maternity Hospital, Limerick			5.4		9.2	14	Yes	3	Y
Midwest (UL)	Mid-Western Regional Orthopaedic Hospital, Croom			11.3		11.3	10.3	Yes	3	Y
South/South West (UCC)	Mercy University Hospital, Cork	10.4	11.5			 	43.3	Yes	3	Y
South/South West (UCC)	Bantry General Hospital	5.1	8.8	6.2	11.8	11.9	26.7	Yes	6	Y
South/South West (UCC)	South Infirmary - Victoria University Hospital, Cork	15.3	11	16.3	14.1	13.8	22	Yes	6	Y
South/South West (UCC)	Cork University Hospital Group		13.5	19.6	16.4	15.9	22	Yes	5	Y

## Appendix 2.2 Seasonal Influenza Vaccine % Uptake in HCWs by Individual Hospital and Season, Ireland (with complete staff vaccine uptake returns)

## Appendix 2.2 continued

Hospital Group	Hospital	2011- 2012	2012- 2013	2013- 2014	2014- 2015	2015- 2016	2016- 2017	HSE Funded	No of Complete Annual Survey Returns	Active June 2017
South/South West (UCC)	Waterford University Hospital	9.2	8.5		9.2	11.9	21.7	Yes	5	Y
South/South West (UCC)	South Tipperary General Hospital, Clonmel	9.4	8.1		15.9	19.7	19.8	Yes	5	Y
South/South West (UCC)	Kerry General Hospital, Tralee	7	8.9	13.3	9.7	12.7	16.1	Yes	6	Y
South/South West (UCC)	Lourdes Orthopaedic Hospital, Kilcreene, Kilkenny		3.5	2.6	1.1	6.9	6.4	Yes	5	Y
South/South West (UCC)	Mallow General Hospital		10.5	14.8		25.3		Yes	3	Y
West/North West (Saolta UHC; NUIG)	Portiuncula Hospital, Ballinasloe	20.4	20.2	18.1	21.3	21.7	33.5	Yes	6	Y
West/North West (Saolta UHC; NUIG)	Letterkenny General Hospital	10.8	9.6	15.1	20.1		23.8	Yes	5	Y
West/North West (Saolta UHC; NUIG)	Roscommon County Hospital		7.4	17.7	13.9	11.3	23	Yes	5	Y
West/North West (Saolta UHC; NUIG)	Sligo General Hospital			17.3	14.9	17.9	21.8	Yes	4	Y
West/North West (Saolta UHC; NUIG)	University College Hospital Galway	11.4	10.1	16.1	14.9	13.9	17.9	Yes	6	Y
West/North West (Saolta UHC; NUIG)	Mayo General Hospital, Castlebar	5	7.7	15.7	22.2	13.5	15	Yes	6	Y
Other	National Rehabilitation Hospital, Dún Laoghaire, Co. Dublin				47.5	46.8	45.2	Yes	3	Y
Private	Bon Secours Hospital, Glasnevin, Dublin						45	No	1	Y
Private	Blackrock Clinic, Co. Dublin						31.8	No	1	Y
Private	Hermitage Medical Clinic, Old Lucan Road, Dublin 20			27.9	25.8	25.2	30	No	4	Y
Private	Bon Secours Hospital, Tralee					19.3	24.9	No	2	Y
Private	Bon Secours Hospital, Renmore, Galway			20.3			14	No	2	Y
Private	Clontarf Hospital, Dublin	22		22.7	20.7	16.1		Yes*	4	Y
Private	Aut Even Hospital, Freshford Road, Kilkenny			37.3	36.9	24.8		No	3	Y
Private	Beacon Hospital, Dublin						]	No	0	Y
Private	Bon Secours Hospital, Cork							No	0	Y
Private	Galway Clinic, Doughiska							No	0	Y
Private	Mater Private Hospital			33.4				No	1	Y
Private	St. Vincent's Private Hospital							No	0	Y

See http://www.hse.ie/eng/services/list/3/acutehospitals/hospitalgroups.html for description of hospital groups \*Section 38 agency

**Appendix 3** Seasonal Influenza vaccine uptake > 40%, by Hospital Group, 2016-2017, Ireland (n=53 hospitals, including private, with complete staff vaccine uptake returns)

Hospital Group	No. With Complete Returns	No. with +40% Uptake	% with +40% Uptake
Acute Paediatric Services	2	2	100.0
Dublin Midlands (TCD)	7	4	57.1
Dublin North East (RCSI)	7	3	42.9
Ireland East (UCD)	11	3	27.3
Midwest (UL)	6	0	0.0
South/South West (UCC)	8	1	12.5
West/North West (Saolta UHC; NUIG)	6	0	0.0
Other	1	1	100.0
Private	5	1	20.0
Total (53 hospitals, including private)	53	15	28.3

**Appendix 4** Seasonal Influenza Vaccine Uptake in Hospitals by Hospital Group, 2016-2017, Ireland (n=53 hospitals, including private, with complete staff vaccine uptake returns)

	Total Eligible Staff	Total Staff Vaccinated	OVERALL % Uptake Staff Vaccinated		AVERAGE % Uptake Staff Vaccinated
Hospital Group	Stall	vaccinated	Stall vaccinated	Hospitals	Stall vaccinated
Acute Paediatric Services	3497	1917	54.8	2	56.2
Dublin Midlands (TCD)	11763	4787	40.7	7	37.7
Dublin North East (RCSI)	9297.42	4019	43.2	7	42.3
Ireland East (UCD)	13022	4582	35.2	11	33.6
Midwest (UL)	4114	1035	25.2	6	21.5
South/South West (UCC)	10822	2514	23.2	8	22.3
West/North West (Saolta UHC; NUIG)	9419	1946	20.7	6	22.5
Other	462	209	45.2	1	45.2
Private	3046	909	29.8	5	29.1
Total (53 hospitals, including private)	65442.42	21918	33.5	53	31.6

See http://www.hse.ie/eng/services/list/3/acutehospitals/hospitalgroups.html for description of hospital groups

**Appendix 5** Seasonal Influenza Vaccine Uptake in Hospitals by HSE Staff Grade Category, 2016-2017, Ireland (n=48 hospitals, excluding private, with complete staff vaccine uptake returns)

			OVERALL		AVERAGE
			% Uptake	Number	% Uptake
	Total	Total Staff	Staff	of	Staff
HSE Category of Staff	Eligible Staff	Vaccinated	Vaccinated	Hospitals	Vaccinated
General Support Staff	7204.85	2223	30.9	48	35.6
Health & Social Care Professionals	8015.76	3259	40.7	48	42.2
Management & Administration	9385.14	2853	30.4	48	29.6
Medical & Dental	8441.7	4524	53.6	48	53.6
Nursing	24691.97	6704	27.2	48	26.4
Other Patient & Client Care	4657	1457	31.3	48	26.4
Total (48 hospitals, excluding private)	62396.42	21020	33.7	48	31.9

**Appendix 6.1** Seasonal Influenza Vaccine Uptake in HCWs by Individual LTCF, 2016-2017, Ireland (n=142: 122 with complete staff vaccine uptake returns and 20 with incomplete returns including two which provided details of resident vaccination details only)

сно	LTCF	Total Eligible Staff	Total Staff Vaccinated	% Total Staff Vaccinated	Data Completeness Y/N	HSE funded and staffed Y/N/U***
9	Lusk Community Unit, Lusk, Co. Dublin	68	51	75.0	Y	Y
3	Regina House Community Nursing Unit	36	25	69.4	Y	Y
3	St. Conlon's Community Nursing Unit, Nenagh, Co. Tipperary	40	26	65.0	Y	Y
5	Cluain Arainn Community Nursing Unit, Co. Tipperary	31	20	64.5	Y	Y
5	Carrick on Suir District Hospital (St. Brigid's), Co. Tipperary	25	16	64.0	Y	Y
9	Seanchara Community Unit, Dublin 11	41	25	61.0	Y	Y
9	St. Clare's Home, Dublin 11	41	25	61.0	Y	Y
1	Carndonagh Supervised Residential Unit, Co. Donegal	32	19	59.4	Y	Y
9	Navan Road Community Unit (formerly Cuan Ros Community Unit)	54	31	57.4	Y	Y
1	Cleary House Supervised Residential Unit, Mental Health Services, Letterkenny, Co. Donegal	18	10	55.6	Y	Y
8	St. Mary's Hospital, Drogheda, Drogheda, Co. Louth	64	33	51.6	Y	Y
3	Dean Maxwell Community Nursing Unit, Roscrea, Co. Tipperary	44	22	50.0	Y	Y
3	Hospital of the Assumption, Thurles, Co. Tipperary	121	59	48.8	Y	Y
1	Rowanfield House Supervised Residential Unit, Donegal Town, Co. Donegal	17	8	47.1	Y	Y
4	Kanturk Community Hospital, Kanturk, Co. Cork	60	28	46.7	Y	Y
1	Donegal Town Community Hospital, Donegal, Co. Donegal	50	22	44.0	Y	Y
2	Dalton Community Nursing Unit, Claremorris, Co. Mayo	41	18	43.9	Y	Y
1	Dungloe Community Hospital, Dungloe, Co. Donegal	55	24	43.6	Y	Y
9	Connolly Hospital (Silver Birch & Woodland Units), Dublin 15	88	38	43.2	Y	Y
1	Lifford Community Hospital, Lifford, Co. Donegal	33.26	14	42.1	Y	Y
9	St. Joseph's Disability Service, Portrane, Co. Dublin	521	216	41.5	Y	Y
8	St. Vincent's Hospital, Mountmellick, Mountmellick, Co. Laois	166	68	41.0	Y	Y
3	St. Joseph's Community Hospital, Ennis, Co. Clare	155	63	40.6	Y	Y
8	St. Joseph's Hospital, Trim, Co. Meath	99	40	40.4	Y	Y

## Appendix 6.1 continued

СНО	LTCF	Total Eligible Staff	Total Staff Vaccinated	% Total Staff Vaccinated	Data Completeness Y/N	HSE funded and staffed Y/N/U
1	Rock Community Nursing Unit, Ballyshannon, Co. Donegal	34	13	38.2	Y	Y
8	Boyne View House, Drogheda, Co. Louth	29	11	37.9	Y	Y
1	Carndonagh Community Hospital, Caradonagh, Co. Donegal	73	26	35.6	Y	Y
1	Shiel Community Hospital, College Street, Ballyshannon, Co. Donegal	63	22	34.9	Y	Y
4	St. Raphaels Centre, Youghal	195	68	34.9	Y	Y
7	Cherry Orchard Hospital, Dublin 10	320	110	34.4	Y	Y
1	St. John's Community Hospital, Ballyrivnan, Co. Sligo	203	69	34.0	Y	Y
8	Birr Community Nursing Unit, Birr, Co. Offaly	106	36	34.0	Y	Y
6	The Royal Hospital, Dublin 4	283	95	33.6	Y	Y
4	Kinsale Community Hospital, Kinsale, Co. Cork	64	21	32.8	Y	Y
7	Meath Community Hospital, Dublin 8	65	21	32.3	Y	Y
5	Wexford Disability Services, Millbrook Day Centre, Munster Hill, Enniscorthy, Co. Wexford	107	34	31.8	Y	Y
4	Bandon Community Hospital, Bandon, Co. Cork	38	12	31.6	Y	Y
4	St. Finbarr's Hospital, Cork, Co. Cork	546	170	31.1	Y	Y
4	Skibbereen Community Hospital (St. Anne's), Skibbereen, Co. Cork	104	31	29.8	Y	Y
2	Aras Mac Dara, Carraroe, Co. Galway	44	13	29.5	Y	Y
2	Belmullet District Hospital (including Aras Deirbhile), Belmullet, Co. Mayo	44	13	29.5	Y	Y
8	St. Brigid's Hospital, Shaen, Portlaoise, Co. Laois	91	26	28.6	Y	Y
3	Ennistymon Community Nursing Unit, Ennistymon, Co. Clare	39	11	28.2	Y	Y
4	Mount Alvernia Hospital, Mallow, Co. Cork	130	36	27.7	Y	Y
7	Maynooth Community Unit, Maynooth, Co. Kildare	55	15	27.3	Y	Y
3	St. Camillus' Community Hospital, Limerick, Co. Limerick	136	37	27.2	Y	Y
1	Sullivan Memorial Home, Co. Cavan	37	10	27.0	Y	Y
6	St. Colman's Hospital, Rathdrum, Rathdrum, Co. Wicklow	131	35	26.7	Y	Y
3	Raheen Community Nursing Unit, Scariff, Co. Clare	34	9	26.5	Y	Y
5	St. Patrick's Hospital, John's Hill, Waterford, Co. Waterford	121	32	26.4	Y	Y
7	St. Vincent's Hospital, Athy, Co. Kildare	185	46	24.9	Y	Y
3	St. Camillus' Community Hospital, Limerick, Co. Limerick	136	37	27.2	Y	Y
1	Sullivan Memorial Home, Co. Cavan	37	10	27.0	Y	Y

## Appendix 6.1 continued

		Total	Tatal Chaff	% Total Staff	Data	HSE funded and staffed
сно	LTCF	Eligible Staff	Total Staff Vaccinated	Vaccinated	Completeness Y/N	and staffed Y/N/U
6	St. Colman's Hospital, Rathdrum, Rathdrum, Co. Wicklow	131	35	26.7	Y	Y
3	Raheen Community Nursing Unit, Scariff, Co. Clare	34	9	26.5	Y	Y
5	St. Patrick's Hospital, John's Hill, Waterford, Co. Waterford	121	32	26.4	Y	Y
7	St. Vincent's Hospital, Athy, Co. Kildare	185	46	24.9	Y	Y
8	St. Joseph's Care Centre, Co. Longford	143	35	24.5	Y	Y
7	Belvilla Community Unit for Older Persons, Dublin 8	127	31	24.4	Y	Y
9	Connolly Hospital (Sycamore Psychiatry of Old Age Unit), Dublin 15	95	23	24.2	Y	Y
8	St. Mary's Hospital, Mullingar (now called Cluain Lir Community Nursing Unit), Mullingar, Co. Westmeath	92	22	23.9	Y	Y
1	St. Joseph's Community Hospital, Stranorlar, Co. Donegal	112	26	23.2	Y	Y
1	Ballinamore Nursing Unit, Ballinamore, Co. Leitrim	26	6	23.1	Y	Y
1	Ballyconnel Community Services (Breffini Care Centre), Ballyconnel, Co. Cavan	13	3	23.1	Y	Y
1	Ramelton Community Nursing Unit, Ramelton, Co. Donegal	83	19	22.9	Y	Y
4	Bantry General Hospital, Bantry, Co. Cork (St. Joseph's Ward)	27	6	22.2	Y	Y
1	HSE Tubbercurry Community Group Homes, Tubbercurry, Co. Sligo	46	10	21.7	Y	Y
4	Farranlea Road Community Nursing Unit, Wilton, Co. Cork	129	28	21.7	Y	Y
5	Dungarvan Community Care, Dungarvan, Dungarvan, Co. Waterford	178	38	21.3	Y	Y
2	St. Brendan's Home, Loughrea, Co. Galway	134	28	20.9	Y	Y
4	Tralee Community Nursing Unit, Teile Carraig, Killerisk Road, Tralee, Co. Kerry	53	11	20.8	Y	Y
2	St. Fionnan's Community Nursing Unit, Achill Island, Co. Mayo	78	16	20.5	Y	Y
6	Dalkey Community Unit, Dalkey, Co. Dublin	44	9	20.5	Y	Y
4	Gougane Barra House, Western Road, Cork	10	2	20.0	Y	Y
4	St. Patrick's Community Hospital, Fermoy, Co. Cork	80	16	20.0	Y	Y
1	Arus Breffni, Manorhamilton, Co. Leitrim	30	6	20.0	Y	Y
1	Killybegs Community Hospital, Killybegs, Co. Donegal	56	11	19.6	Y	Y
9	Phoenix Park Community Nursing Unit, Dublin 20	450.42	88	19.5	Y	Y
5	Sacred Heart Hospital, Old Dublin Road, Co. Carlow	123	24	19.5	Y	Y
4	Clonakilty Community Hospital and Long Stay Unit (Mount Carmel Home and Hospital), Clonakilty, Co. Cork	199	37	18.6	Y	Y
1	Cloonamahon Learning Disability Services, Collooney, Co. Sligo	102.5	17	16.6	Y	Y
5	Wexford Mental Health Services (WMHS Rehabilitation)	91	15	16.5	Y	Y
1	St. Patrick's Community Hospital, Carrick on Shannon, Co. Leitrim	124	20	16.1	Y	Y
		Total		% Total	Data	HSE funded
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		Eligible	Total Staff	Staff	Completeness	and staffed
СНО	LTCF	Staff	Vaccinated	Vaccinated	Y/N	Y/N/U
4	Ballincollig Community Nursing Unit, Ballincollig, Co. Cork	112	17	15.2	Y	Y
5	St. John's Hospital & St. John's Ward Ely Hosp., Enniscorthy, Co. Wexford	199	30	15.1	Y	Y
1	HSE Services Cregg House, Co. Sligo	271	40	14.8	Y	Y
2	Aras Mhuire Community Nursing Unit , Tuam, Co. Galway	29	4	13.8	Y	Y
1	Arus Carolan, Mohill, Co. Leitrim	37	5	13.5	Y	Y
4	Youghal Community Hospital, Youghal, Co. Cork	54	7	13.0	Y	Y
1	Park House Supervised Residential Unit, Dungloe, Co. Donegal	16	2	12.5	Y	Y
2	St. Augustine's Community Nursing Unit, Ballina, Co. Mayo	81	10	12.3	Y	Y
1	Lisdarn Unit for the Elderly, Co. Cavan	50	6	12.0	Y	Y
2	McBride Community Unit, Westport, Co. Mayo	43	5	11.6	Y	Y
4	West Kerry Community Hospital, Dingle, Co. Kerry	52	6	11.5	Y	Y
4	Caherciveen Community Hospital, Caherciveen, Co. Kerry	49	5	10.2	Y	Y
9	Birch Ward, Phoenix Care Centre, Grange Gorman, North Circular Road, Dublin 7	570	58	10.2	Y	Y
5	Re Nua, Adult Acquired Brain Injury Services, Our Lady's Campus, Cashel, Co. Tipperary	20	2	10.0	Y	Y
2	St. Anne's Community Nursing Home, Clifden, Co. Galway	31	3	9.7	Y	Y
8	Riada House Community Unit, Tullamore, Co. Offaly	52	5	9.6	Y	Y
4	Dunmanway Community Hospital (St. Anthony's), Dunmanway, Co. Cork	33	3	9.1	Y	Y
8	St. Joseph's Hospital, Ardee, Co. Louth	39	3	7.7	Y	Y
4	Heather House, Buttevant, Co. Cork	59	4	6.8	Y	Y
1	Falcarragh Community Hospital, Falcarragh, Co. Donegal	60	2	3.3	Y	Y
2	Aras Mathair Pol Community Nursing Unit, Castlerea, Co. Roscommon	34	1	2.9	Y	Y
4	Castletownbere Community Hospital (St. Joseph's), Castletownbere, Co. Cork	90	2	2.2	Y	Y
5	Haywood Lodge, Community Nursing Unit, Clonmel, Co. Tipperary	54	0	0.0	Y	Y
4	Cluain Fhionnain Intellectual Disability Unit, Ballydribeen, Killarney, Co. Kerry	42	0	0.0	Y	Y
1	Fernview Community House (with Cluain Mhuire as a unit under this centre), Billis, Glaslough, Co. Monaghan	16	0	0.0	Y	Y

		Total Eligible	Total Staff	% Total Staff	Data Completeness	HSE funded and staffed
сно	LTCF	Staff	Vaccinated	Vaccinated	Y/N	Y/N/U
5	St. Lazerian's House, Royal Oak Road, Moneybeg, Bagenalstown, Co. Carlow	35	31	88.6	Y	N
5	O'Gorman Home, Castle Street, Ballyragget, Co. Kilkenny	15	13	86.7	Y	N
6	Leopardstown Park Hospital, Dublin 18	222	146	65.8	Y	N
4	Cobh Community Hospital, Cobh, Co. Cork	54	33	61.1	Y	N
5	New Ross Community Hospital, Hospital Road, Pondfields, New Ross, Co. Wexford	62	30	48.4	Y	N
6	Cherryfield Lodge, Milltown Park, Dublin 6	40	17	42.5	Y	N
7	Oghill Nursing Home, Oghill, Monasterevin, Co. Kildare	59	24	40.7	Y	N
7	Our Lady's Hospice, Harold's Cross, Dublin 6W	626	251	40.1	Y	Ν
9	St. Francis Hospice Dublin, Station Road, Raheny, Dublin 5 (& Blanchardstown, Dublin 15)	279	110	39.4	Y	N
1	Oak View Nursing Home, The Commons, Belturbet, Co. Cavan	81	29	35.8	Y	N
9	St. Vincent's Centre, Navan Road, Dublin 7	358	128	35.8	Y	N
7	Craddock House Nursing Home, Craddockstown Road, Naas, Co. Kildare	120	39	32.5	Y	N
9	St. Joseph's Centre, Daughters of Charity, Grange Road, Dublin 15	280	80	28.6	Y	N
4	Marymount University Hospital & Hospice, Curraheen Road, Curraheen, Cork	112	30	26.8	Y	N
7	St. Louise's, Glenmaroon, Chapelizod	109	25	22.9	Y	N
9	St. Michaels House, Ballymun Road, Dublin 9	1709	360	21.1	Y	N
3	St. Vincent's Centre, Daughters of Charity Disability Support Services, Lisnagry, Limerick	626	126	20.1	Y	N
5	Carriglea Cairde Services, Dungarvan, Co. Waterford	203	38	18.7	Y	N
5	Greenhill Nursing Home, Carrick on Suir, Co. Tipperary	68	11	16.2	Y	N
7	The Marley Nursing Home, Kellystown Road, Rathfarnham, Dublin 16	160	0	0.0	Y	N

сно	LTCF	Total Eligible Staff	Total Staff Vaccinated	% Total Staff Vaccinated	Data Completeness Y/N	HSE funded and staffed Y/N/U
5	Our Lady's Hospital, Cashel, Co. Tipperary	6	4	66.7	N	Y
1	Our Lady's Hospital, Manorhamilton, Co. Leitrim	103	37	35.9	Ν	Y
5	Clogheen District Hospital (St. Theresa's), Tipperary, Co. Tipperary	30	8.7	29.0	Ν	Y
1	Virginia Nursing Unit, Dublin Road, Rahardrum, Virginia, Co. Cavan	49	14	28.6	N	Y
5	St. Columba's Hospital, Thomastown, Co. Kilkenny	134	28	20.9	Ν	Y
5	Castlecomer District Hospital, Castlecomer, Co. Kilkenny	35	7	20.0	Ν	Y
1	Buncrana Community Hospital, Maginn Avenue, Buncrana, Co Donegal	57	10	17.5	Ν	Y
1	St. Mary's Hospital, Castleblaney, Co. Monaghan	118	17	14.4	Ν	Y
5	St. Patrick's Hospital, Cashel, Co. Tipperary	182	19.8	10.9	Ν	Y
5	St. Dympna's Hospital, Athy Road, Rathnapish, Carlow	165	15	9.1	Ν	Y
5	St. Canice's Hospital, Carlow Road, Co. Kilkenny	299	24	8.0	Ν	Υ
5	Carlow District Hospital, Carlow, Co. Carlow	54	4	7.4	Ν	Υ
5	St. Lukes's Hospital, Clonmel	297	20.8	7.0	Ν	Υ
1	Inbhear na Mara Residential Unit, Bundoran, Co. Donegal	21	8	38.1	Ν	U
1	Cloonamahon Community Group Homes, Collooney, Co. Sligo	174	19	10.9	Ν	U
5	St. Joseph's School, Ferryhouse, Clonmel, Co. Tipperary	102	10.7	10.5	Ν	U
5	Damien House, Disability Unit, Clonmel, Co. Tipperary	72	5.5	7.6	Ν	U
3	Avondale, Woodlands, La Nua, Leeside, Co. Kilkenny	53	1	1.8	Ν	U
8	St. Oliver Plunkett Hospital, Drogheda, Co. Louth*	n/a	n/a	n/a	Ν	Υ
9	St. Ita's Psychiatric Hospital, Portrane, Co. Dublin*	n/a	n/a	n/a	Ν	Y

\*Vaccination details of long term and respite residents provided

\*\*St. Finbarr's Hospital, Cork was unable to report figures and St. Vincent's Care Centre, Northgate Street, Athlone, Co. Westmeath is closed temporarily for 2016-2017 season

\*\*\*Funding status of some LTCFs not verified (unknown) at time of writing

#### Appendix 6.2 Seasonal Influenza Vaccine % Uptake in HCWs by Individual LTCFs and Season, Ireland (with complete staff vaccine uptake returns)

сно	Name of Public Residential Care Unit	2011- 2012	2012- 2013	2013- 2014	2014- 2015	2015- 2016	2016- 2017	No. of Complete Annual Survey Returns	Active June 2017	HSE Funding and staffed*
5	Abbeygale House Farnogue Residential Healthcare Unit, Co. Wexford	2012	2013	2014	2015	2010	2017	0	2017 Y	Y
8	Abbeyleix District Hospital, Abbeyleix, Co. Laois		3.6	25				2	Ŷ	Y
2	Adult Mental Health Unit, Mayo General Hospital, Castlebar, Co. Mayo							0	Ŷ	Y
2	Aras Mac Dara, Carraroe, Co. Galway		4.9	34.4	19.4	18.8	29.5	5	Y	Y
2	Aras Mathair Pol Community Nursing Unit, Castlerea, Co. Roscommon		8.8	-	_		2.9	2	Y	Y
2	Aras Mhuire Community Nursing Unit, Tuam, Co. Galway	28.6	18.5	25.9	19.2	21.4	13.8	6	Y	Y
2	Aras Ronan, Aran Islands, Co. Galway	84	76.0	59.1				3	Y	Y
1	Arus Breffni, Manorhamilton, Co. Leitrim		17.4	62.5		18.7	20.0	4	Y	Y
1	Arus Carolan, Mohill, Co. Leitrim	4.3	8.8	1.6			13.5	4	Y	Y
8	Avalon House 15/16 Beechmount Vale, Navan, Co. Meath		53.3					1	Y	Y
1	Ballinamore Nursing Unit, Ballinamore, Co. Leitrim						23.1	1	Y	Y
4	Ballincollig Community Nursing Unit, Ballincollig, Co. Cork		4.8	23.1	26.1	36.4	15.2	5	Y	Y
1	Ballyconnel Community Services, Ballyconnel, Co. Cavan					13.4	23.1	2	Y	Y
7	Baltinglass District Hospital, Baltinglass, Co. Wicklow	35.0			40.6			2	Y	Y
4	Bandon Community Hospital, Bandon, Co. Cork		2.9	2.5			31.6	3	Y	Y
4	Bantry General Hospital, Bantry, Co. Cork		0.0	0.0		9.5	22.2	4	Y	Y
8	Beaufort House, Navan Community Health Unit, Athboy Road, Navan, Co. Meath	9.1	17.1			13.8		3	Y	Y
2	Belmullet District Hospital (including Aras Deirbhile), Belmullet, Co. Mayo	0.0	7.7	14.6	40.5	25.7	29.5	6	Y	Y
7	Belvilla Community Unit for Older Persons, Dublin 8		11.4	13.4	9.6	15.6	24.4	5	Y	Y
9	Birch Ward, Phoenix Care Centre, Grange Gorman, North Circular Road, Dublin 7						10.2	1	Y	Y
8	Birr Community Nursing Unit, Birr, Co. Offaly		7.3	19.8	48.7	17.3	34	5	Y	Y
8	Boyne View House, Drogheda, Co. Louth		8.3	20.7	23.6	29.0	37.9	5	Y	Y
5	Brownswood Hostel, St. Senan's Hospital, Enniscorthy, Co. Wexford							0	Y	Y
1	Buncrana Community Nursing Unit, Buncrana, Co. Donegal		10.9		25.9			2	Y	Y
4	Caherciveen Community Hospital, Caherciveen, Co. Kerry		0.0	1.6	1.8	3.8	10.2	5	Y	Y
5	Carlow District Hospital, Carlow, Co. Carlow		2.9					1	Y	Y
5	Carlow/Kilkenny Community Care, James's Green, Kilkenny City, Co. Kilkenny		8.2					1	Y	Y
1	Carndonagh Community Hospital, Caradonagh, Co. Donegal	9.3	9.3		43.1	25.8	35.6	5	Y	Y
1	Carndonagh JCM Residential Unit, Co. Donegal							0	Y	Y
1	Carndonagh Supervised Residential Unit, Co. Donegal					46.7	59.4	2	Y	Y

		2011-	2012-	2013-	2014-	2015-	2016-	No. of Complete Annual Survey	Active June	HSE Funding
СНО	Name of Public Residential Care Unit	2012	2013	2014	2015	2016	2017	Returns	2017	and staffed*
5	Carrick on Suir District Hospital (St. Brigid's), Tipperary, Co. Tipperary	20.8	20.8	42.9			64.0	4	Y	Y
5	Castlecomer District Hospital, Castlecomer, Co. Kilkenny		0.0	5.6	6.0			3	Y	Y
4	Castletownbere Community Hospital (St. Joseph's), Castletownbere, Co. Cork	0.0		8.3	0.0	0.0	2.2	5	Y	Y
1	Cavan/Monaghan Disability Services, Cavan, Cavan town, Co. Cavan			14.5		6.2		2	Y	Y
7	Cherry Orchard Hospital, Dublin 10			18.2	32.2	29.3	34.4	4	Y	Y
9	Clarehaven Nursing Home, Dublin 11	11.8						1	Y	Y
	Cleary House Supervised Residential Unit, Mental Health Services, Letterkenny,									
1	Co. Donegal	12.5	20.0			50.0	55.6	4	Y	Y
2	Clifden District Hospital, Clifden, Co. Galway	0.0	0.0	13.2				3	Y	Y
5	Clogheen District Hospital (St. Theresa's), Tipperary, Co. Tipperary		8.7					1	Y	Y
	Clonakilty Community Hospital and Long Stay Unit (Mount Carmel Home and									
4	Hospital), Clonakilty, Co. Cork			8.5		23.2	18.6	3	Y	Y
1	Cloonamahon Learning Disability Services, Collooney, Co. Sligo	13.6	10.3				16.6	3	Y	Y
5	Cluain Arainn Community Nursing Unit, Tipperary, Co. Tipperary	3.6	37.5	16.0	27.6		64.5	5	Y	Y
4	Cluain Fhionnain Intellectual Disability Unit, Ballydribeen, Killarney, Co. Kerry					0.0	0.0	2	Y	Y
4	Cois Abhainn, Youghal, Co. Cork							0	Y	Y
5	Community Care South Tipperary, Western Road, Clonmel, Co. Tipperary							0	N	Y
9	Connolly Hospital (Silver Birch & Woodland Units), Dublin 15	29.2	23.3	17.2	34.9	20.0	43.2	6	Y	Y
9	Connolly Hospital (Sycamore Psychiatry of Old Age Unit), Dublin 15		18.8	41.4	53.6	31.0	24.2	5	Y	Y
5	Coolnaboy Hostel, St. Senan's Hostel, Enniscorthy, Co. Wexford							0	Y	Y
8	Cottage Hospital, Drogheda, Co. Louth	26.2	11.6	12.5	27.0	27.3		5	Y	Y
6	Dalkey Community Unit, Dalkey, Co. Dublin		32.1	41.7	40.5	34.0	20.5	5	Y	Y
2	Dalton Community Nursing Unit, Claremorris, Co. Mayo		2.2	24.2	33.3	17.0	43.9	5	Y	Y
3	Dean Maxwell Community Nursing Unit, Roscrea, Co. Tipperary	20.5	21.1	4.9	22.5		50.0	5	Y	Y
5	District Hospital, Gorey, Co. Wexford	0.0		3.0				2	Y	Y
1	Donegal Town Community Hospital, Donegal, Co. Donegal		13.2				44.0	2	Y	Y
	Dublin South East HSE Units - Clonskeagh Hospital (Amalgamated return for Sir									
6	Patrick Dunn's, St. Broc's and Clonskeagh), Dublin 6	59.6	35.9	38.9	45.9			4	Y	Y
5	Dunabbey House, Dungarvan, Co. Waterford							0	Y	Y

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4	Dunamanway Community Hospital (St. Anthony's), Dunmanway, Co. Cork			0.0	0.0	0.0	9.1	4	Y	Y
5	Dungarvan Community Care, Dungarvan, Co. Waterford		7.8				21.3	2	Y	Y
	Dungarvan Community Hospital - incorporting St. Josephs Hospital and									
5	Dungarvan District Hospital (St. Vincent's), Dungarvan, Co. Waterford		13.2	6.2	16.0	25.0		4	Y	Y
1	Dungloe Community Hospital, Dungloe, Co. Donegal	34.7	46.9	48.2			43.6	4	Y	Y
3	Ennistymon Community Nursing Unit, Ennistymon, Co. Clare		22.9	27.4	40.0	29.7	28.2	5	Y	Y
1	Falcarragh Community Hospital, Falcarragh, Co. Donegal	90.4	14.3	49.0		37.8	3.3	5	Y	Y
4	Farranlea Road Community Nursing Unit, Wilton, Co. Cork						21.7	1	Y	Y
	Fernview Community House (with Cluain Mhuire as a unit under this centre),									
1	Billis, Glaslough, Co. Monaghan						0.0	1	Y	Y
4	Gougane Barra House, Western Road, Cork	0.0	0.0			9.1	20.0	4	Y	Y
	Grove House, Intellectual Disability Service, St. Mary's Health Campus,									
4	Gurranabraher, Co. Cork		15.2	43.8				2	Y	Y
5	Haywood Lodge, Community Nursing Unit, Clonmel, Co. Tipperary			0.0	0.0		0.0	3	Y	Y
4	Heather House, Buttevant, Co. Cork	0.0	6.8			26.1	6.8	4	Y	Y
3	Hospital of the Assumption, Thurles, Co. Tipperary		12.7	21.2			48.8	3	Y	Y
5	Hostel, 82 Moran Park, Enniscorthy, Co. Wexford							0	Y	Y
1	HSE Sligo Community Group Homes, Co. Sligo							0	Y	Y
1	HSE Tubbercurry Community Group Homes, Tubbercurry, Co. Sligo						21.7	1	Y	Y
4	Kanturk Community Hospital, Kanturk, Co. Cork	31.3	7.5	10.9	46.4		46.7	5	Y	Y
4	Kenmare Community Hospital, Kenmare, Co. Kerry		22.6		25.0	27.6		3	Y	Y
1	Killybegs Community Hospital, Killybegs, Co. Donegal			33.3	17.9	12.1	19.6	4	Y	Y
4	Kinsale Community Hospital, Kinsale, Co. Cork		22.8			22.8	32.8	3	Y	Y
1	Lifford Community Hospital, Lifford, Co. Donegal		22.9	31.4		34.3	42.1	4	Y	Y
1	Lisdarn Unit for the Elderly, Cavan, Co. Cavan	44.9				17.0	12.0	3	Y	Y
4	Listowel Community Hospital, Listowel, Co. Kerry		19.4			24.5		2	Y	Y
4	Loher/Dinis Wards - Kerry General Hospital, Tralee, Co. Kerry		4.8					1	Y	Y
9	Lusk Community Unit, Lusk, Co. Dublin	30.7	37.1	48.3	60.7	71.2	75.0	6	Y	Y
4	Macroom Community Hospital, Macroom, Co. Cork		4.4	3.9		14.3		3	Y	Y
7	Maynooth Community Unit, Maynooth, Co. Kildare	17.2	16.9	18.6			27.3	4	Y	Y

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2	McBride Community Unit, Westport, Co. Mayo	4.9				2.6	11.6	3	Y	Y
7	Meath Community Hospital, Dublin 8				32.5		32.3	2	Y	Y
	Midleton Community Hospital and Long Stay Unit									
4	(Our Lady of Lourdes), Midleton, Co. Cork		54.7	21.3	44.3			3	Y	Y
5	Millview, St. John's Hospital Grounds, Enniscorthy, Co. Wexford			16.7				1	Y	Y
4	Mount Alvernia Hospital, Mallow, Co. Cork			15.4	18.6	21.5	27.7	4	Y	Y
	Navan Road Community Unit (formerly called Cuan Ros Community Unit),									
9	Kempton Housing Estate, Dublin 7						57.4	1	Y	Y
5	New Haughton Hospital, New Ross, Co. Wexford		23.8					1	Y	Y
	North Cork Mental Health Services, St. Stephens Hospital, Glanmire, Cork, Cork									
4	City			1.7	7.7	3.0		3	Y	Y
8	Ofalia House Community Nursing Unit, Edenderry, Co. Offaly		33.8					1	Y	Y
5	Our Ladys County & Surgical Hospital, Green, Cashel, Co. Tipperary							0	Y	Y
1	Our Lady's Hospital, Manorhamilton, Co. Leitrim		0.0	26.3				2	Y	Y
4	Owenacurra Centre, Midleton, Cork					8.0		1	Y	Y
1	Park House Supervised Residential Unit, Dungloe, Co. Donegal		14.3		27.3	16.7	12.5	4	Y	Y
2	Plunkett Community Nursing Unit, Boyle, Co. Roscommon	0.0	2.3	4.7				3	Y	Y
3	Raheen Community Nursing Unit, Scariff, Co. Clare	0.0	0.0				26.5	3	Y	Y
9	Raheny Community Nursing Unit, Dublin 9	38.8	53.1	56.9	62.2	54.2		5	Y	Y
1	Ramelton Community Nursing Unit, Ramelton, Co. Donegal	2.3	37.0	27.5	14.0	22.5	22.9	6	Y	Y
	Re Nua, Adult Acquired Brain Injury Services, Our Lady's Campus, Cashel, Co.									
5	Tipperary		11.8	12.5			10.0	3	Y	Y
3	Regina House Community Nursing Unit, Kirush, Co. Clare	25.0	29.3	80.0	77.1	90.2	69.4	6	Y	Y
8	Riada House Community Unit, Tullamore, Co. Offaly		5.8	8.2		3.4	9.6	4	Y	Y
1	Rock Community Nursing Unit, Ballyshannon, Co. Donegal	3.0	6.7	29.0			38.2	4	Y	Y
	Roscommon Mental Health Service, Aras Naomh Chaolain, Knock Road,									
2	Castlerea, Co. Roscommon		30.8					1	Y	Y
1	Rowanfield House Supervised Residential Unit, Donegal Town, Co. Donegal		7.7	16.2	23.5	46.7	47.1	5	Y	Y
2	Sacred Heart Hospital, Castlebar, Co. Mayo	2.1	2.4	0.6				3	Y	Y
2	Sacred Heart Hospital, Golf Links Road, Roscommon, Co. Roscommon					5.6		1	Y	Y

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5	Sacred Heart Hospital, Old Dublin Road, Carlow, Co. Carlow		14.0	9.9		4.0	19.5	4	Y	Y
	Schull Community Hospital									
4	(St. Gabriel's), Schull, Co. Cork							0	Y	Y
9	Seanchara Community Unit, Dublin 11	1.4	29.2	43.9	58.5	61.9	61.0	6	Y	Y
1	Shiel Community Hospital, College Street, Ballyshannon, Co. Donegal		15.4	30.6	41.9	24.6	34.9	5	Y	Y
4	Skibbereen Community Hospital (St. Anne's), Skibbereen, Co. Cork	0.0		0.0			29.8	3	Y	Y
5	Springhill Hostels, Kilagoley, St. Senan's Hospital, Enniscorthy, Co. Wexford							0	Y	Y
4	St Raphaels Centre, Youghal						34.9	1	Y	Y
2	St. Anne's Community Nursing Home, Clifden, Co. Galway	0.0	15.2	6.8	21.9	9.1	9.7	6	Y	Y
2	St. Anne's Unit, Sacred Heart Hospital, Castlebar, Co. Mayo							0	Y	Y
2	St. Augustine's Community Nursing Unit, Ballina, Co. Mayo		0.0			9.8	12.3	3	Y	Y
2	St. Brendan's Home, Loughrea, Co. Galway		18.7	17.5	22.7	52.9	20.9	5	Y	Y
7	St. Brigid's Home, Crooksling, Brittas, West Co. Dublin	19.1	31.5	24.8				3	Y	Y
8	St. Brigid's Hospital, Shaen, Portlaoise, Co. Laois		4.8	37.5	25.0	20.8	28.6	5	Y	Y
3	St. Camillus' Community Hospital, Limerick, Co. Limerick					12.2	27.2	2	Y	Y
5	St. Canice's Hospital, Carlow Road, Co. Kilkenny							0	Y	Y
9	St. Clare's Home, Glasnevin, Dublin 9		27.0		51.9	53.2	61.0	4	Y	Y
6	St. Colman's Hospital, Rathdrum, Rathdrum, Co. Wicklow		11.2	19.8	9.8	12.7	26.7	5	Y	Y
4	St. Colmans House, Hospital Grounds, Macroom, Co. Cork					100.0		1	Y	Y
	St. Columbanus Home incorporating Killarney Community Hospital, Killarney, Co.									
4	Kerry			12.0	16.2			2	Y	Y
5	St. Columba's Hospital, Thomastown, Co. Kilkenny	4.0	1.3					2	Y	Y
3	St. Conlon's Community Nursing Unit, Nenagh, Co. Tipperary	9.7	13.9				65.0	3	Y	Y
5	St. Dympna's Hospital, Athy Road, Rathnapish, Carlow							0	Y	Y
4	St. Finbarr's Hospital, Cork, Co. Cork			13.5	47.3	49.5	31.1	4	Y	Y
2	St. Fionnan's Community Nursing Unit, Achill Island, Co. Mayo	56.1			3.2	0.0	20.5	4	Y	Y
3	St. Ita's Community Hospital, Newcastle West, Co. Limerick		17.3	32.7				2	Y	Y
9	St. Ita's Psychiatric Hospital, Portrane, Co. Dublin							0	Y	Y
7	St. James' Hospital, Dublin 8							0	Y	Y
1	St. John's Community Hospital, Ballyrivnan, Co. Sligo	4.4	3.1				34.0	3	Y	Y

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5	St. John's Hospital & St. John's Ward Ely Hosp., Enniscorthy, Co. Wexford		8.3				15.1	2	Y	Y
8	St. Joseph's Care Centre, Longford, Co. Longford		29.5	20.6	15.7	16.9	24.5	5	Y	Y
3	St. Joseph's Community Hospital, Ennis, Co. Clare		8.5				40.6	2	Y	Y
4	St. Joseph's Community Hospital, Millstreet, Co. Cork		3.8					1	Y	Y
1	St. Joseph's Community Hospital, Stranorlar, Co. Donegal		3.8	11.0	29.6	25.9	23.2	5	Y	Y
9	St. Joseph's Disability Service, Portrane, Co. Dublin						41.5	1	Y	Y
2	St. Joseph's District Hospital, Ballina, Co. Mayo							0	Y	Y
8	St. Joseph's Hospital, Ardee, Ardee, Co. Louth	13.3	24.4	25.6	23.5	27.0	7.7	6	Y	Y
8	St. Joseph's Hospital, Trim, Trim, Co. Meath	14.4			27.8	22.8	40.4	4	Y	Y
5	St. Luke's Hospital, Western Road, Garryshane, Clonmel, Co. Tipperary							0	Y	Y
1	St. Mary's Hospital, Castleblaney, Monaghan, Co. Monaghan							0	Y	Y
8	St. Mary's Hospital, Drogheda, Drogheda, Co. Louth	6.0	22.0	18.4	22.7	30.4	51.6	6	Y	Y
	St. Mary's Hospital, Mullingar (now called Cluain Lir Community Nursing Unit),									
8	Mullingar, Co. Westmeath	17.9	18.3	19.8	25.0	33.7	23.9	6	Y	Y
9	St. Mary's Hospital, Phoenix Park, Dublin 20		13.0	22.5	24.5	24.7		4	Y	Y
8	St. Oliver Plunkett Hospital, Drogheda, Co. Louth							0	Y	Y
5	St. Otteran's Psychiatric Hospital, John's Hill, Waterford City, Co. Waterford		6.6			4.9		2	Y	Y
1	St. Patrick's Community Hospital, Carrick on Shannon, Co. Leitrim	10.3	13.7	25.5			16.1	4	Y	Y
4	St. Patrick's Community Hospital, Fermoy, Co. Cork	1.0			0.0	11.7	20.0	4	Y	Y
5	St. Patrick's Hospital, Cashel, Co. Tipperary	54.5	7.7	59.1	50.3	33.3		5	Y	Y
5	St. Patrick's Hospital, John's Hill, Waterford, Co. Waterford	9.8	4.8	10.2	4.2	8.8	26.4	6	Y	Y
5	St. Senan's Psychiatric Hospital, Enniscorthy, Co. Wexford		4.3					1	Y	Y
8	St. Vincent's Care Centre, Athlone, Co. Westmeath	26.0	7.4	10.9	6.6	16.7		5	Y	Y
7	St. Vincent's Hospital, Athy, Co. Kildare		5.7	12.0	20.7	22.2	24.9	5	Y	Y
8	St. Vincent's Hospital, Mountmellick, Co. Laois		39.6	45.3	30.8	32.2	41.0	5	Y	Y
1	Sullivan Memorial Home, Cavan, Co. Cavan	17.2	3.6	29.2		21.9	27.0	5	Y	Y
2	Swinford District Hospital, Swinford, Co. Mayo	4.5	0.0					2	Y	Y
6	The Royal Hospital, Dublin 4	15.4		33.1	30.1		33.6	4	Y	Y
4	Tralee Community Nursing Unit, Teile Carraig, Killerisk Road, Tralee, Co. Kerry				23.2		20.8	2	Y	Y

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2	Units 5 and 6 - Merlin Park Hospital, Galway, Co. Galway							0	Y	Y
1	Virginia Community Services, Virginia, Co. Cavan	3.8				31.5		2	Y	Y
1	Virginia Nursing Unit, Dublin Road, Rahardrum, Virginia, Co. Cavan							0	Y	Y
5	Waterford Community Care, Cork Road, Waterford City, Co. Waterford		6.8		12.3			2	Y	Y
4	West Kerry Community Hospital, Dingle, Co. Kerry		8	12.5	10	16.7	11.5	5	Y	Y
5	Wexford Community Care, Grogan's Road, Wexford town, Co. Wexford		4.9					1	Y	Y
	Wexford Disability Services, Millbrook Day Centre, Munster Hill, Enniscorthy, Co.									
5	Wexford		2.9	5.6			31.8	3	Y	Y
5	Wexford Mental Health Services (WMHS Rehabilitation)			4.9			16.5	2	Y	Y
6	Wicklow District Hospital, Wicklow, Co. Wicklow							0	Y	Y
1	Wisdom Services Cregg House Group Homes, Co. Sligo							0	Y	Y
1	Wisdom Services Cregg House, Co. Sligo						14.8	1	Y	Y
4	Youghal Community Hospital, Youghal, Co. Cork	3.8	6.5	7.3	12.3	22.4	13	6	Y	Y
5	55 Westlands (Flats), St John's Road, Wexford Town, Enniscorthy, Co. Wexford							0	Y	U
5	56 Westlands Hostel, St John's Road, Wexford Town, Enniscorthy, Co. Wexford							0	Y	U
5	58 Westlands, St John's Road, Wexford Town, Wexford Town, Co. Wexford							0	Y	U
2	An Coillin, Westport Road, Castlebar,Co. Mayo					42.3		1	Y	U
8	An Solasan, Priorsland Road, Louth PCCC, Dundalk, Co. Louth							0	Y	U
1	Annalee View Respite Service, Cootehill, Co. Cavan							0	Y	U
2	Aras Attracta Intellectual Disability Services, Swinford, Co. Mayo							0	Y	U
5	Ardamine Community Mental Health Hostel, Ardamine, Gorey, Co. Wexford		0					1	Y	U
5	Avondale, Woodlands, La Nua, Leeside, Co. Kilkenny							0	Y	U
1	Ballydevitt Group Home, Donegal Town, Co. Donegal	0		100				2	Y	U
1	Ballymacool Respite House, Letterkenny, Co. Donegal	0						1	Y	U
5	Beech Lodge, Residential unit for young people, Drinagh, Co. Wexford		4.5					1	Y	U
1	Blackwater House, St. Davnet's Hospital, Rooskey, Co. Mongahan		1.9			10.6		2	Y	U
7	Bru Chaoimhin, Dublin 8							0	Ν	U
8	Caradas House, Drumconrath, Navan, Co. Meath		30.8					1	Y	U
1	Cill Aoibhinn Group Home, Donegal Town, Co. Donegal	6.7		10	37.5			3	Y	U

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8	Clanntara House, Meath Disability Services, Athboy Road, Trim, Co. Meath		66.7					1	Y	U
1	Clara House Resource Centre, Rushine Road, Killybegs, Co. Donegal			0.0		66.7		2	Y	U
1	Cloonamahon Community Group Homes, Collooney, Co. Sligo		4.9					1	Y	U
8	Coill Darach, Navan, Co. Meath		31.8					1	Y	U
5	Damien House, Disability Unit, Clonmel, Co. Tipperary	10.3						1	Y	U
1	Donegal Hospice Knocknamona, Letterkenny, Co. Donegal			19.5				1	Y	U
7	Drogheda Memorial Hospital, Curragh, Co. Kildare							0	Ν	U
7	Good Counsel Centre, Ballyboden, Dublin 16				37.2			1	Y	U
1	Inbhear na Mara Residential Unit, Bundoran, Co. Donegal	0.0	0.0	19.0				3	Y	U
8	Ivy House, Proudstown Road, Navan, Co. Meath		46.7	42.9		18.8		3	Y	U
	Lakefield House, Residential unit for children, Dunmore Road, Waterford City,									
5	Co. Waterford		6.3					1	Y	U
5	Leeside, Tullamaine, Callan, Co. Kilkenny, Callan, Co. Kilkenny		0.0		0.0			2	Y	U
8	Lios na Greine, Disability Unit, Dundalk, Co. Louth	10.5						1	Y	U
8	Loughloe House, Athlone, Co. Westmeath							0	Y	U
4	Millfield house, Sunbeam Industrial Estate, Old Mallow Road, Blackpool, Cork					8.3		1	Y	U
8	NaDriseoga Respite Unit, Commons Road, Navan, Co. Meath		12.5		0.0			2	Y	U
8	New CNU - due to open 1st June 2011, Navan, Co. Meath							0	Y	U
6	Newcastle Hospital, Greystones, Co. Wicklow							0	Y	U
8	No 25, Grand Priory, Kells, Co. Meath		75.0	20.0				2	Y	U
1	Oriel House, Monaghan, Co. Monaghan	0.0	13.6		0.0			3	Ν	U
8	Owls Rest, Kilmainham, Kells, Co. Meath	12.5						1	Ν	U
	Radharc na Sléibhte, Supervised Residential Unit, Convent Road, Carndonagh,									
1	Co. Donegal				26.7	12.9		2	Y	U
	Sacred Heart Centre, Disability centre for children, Lady Lane, Waterford City,									
5	Co. Waterford		8.3					1	Y	U
2	Saimer View Community Group Home, Dunmuckrim, Ballyshannon, Co. Donegal		33.3	100.0				2	Y	U
	Sean O'Hare Unit & Associated (Learning Disability) Services, Stranorlar, Co.									
1	Donegal							0	Y	U
7	Southside Intellectual Disability Unit, Ballyboden, Co. Dublin	16.3	26.5					2	Y	U
5	St. Anthony's Unit, Care of the Older Person, Clonmel, Co. Tipperary							0	Y	U

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2	St. Francis Community Nursing Unit, Galway, Co. Galway							0	Ν	U
5	St. Joseph's School, Ferryhouse, Clonmel, Co. Tipperary		3.5					1	Y	U
1	St. Martins House, Falcarragh, Co. Donegal							0	Y	U
8	St. Mary's Residence, Louth/Meath Mental Health Unit, Drogheda, Co. Louth	0.0						1	Y	U
2	Swinford Treatment Centre, The Lodge, Dublin Road, Swinford, Co. Mayo		66.7					1	Y	U
2	Teach Aisling, Westport Road, Castlebar, Co. Mayo							0	Y	U
8	The Coastguards Disability Unit, 194 Lower Point Road, Dundalk, Co. Louth	42.9	46.7		20.0			3	Y	U
8	The Moorings Hostel, Mental Health Unit, Dundalk, Co. Louth	0.0						1	Y	U
6	The Orchard Welfare Home, Bray, Co. Wicklow							0	Ν	U
	Transitional Living, Slí Eile, Acquired Brain Injury Unit, 17 New Toberaheena,									
5	Clonmel, Co. Tipperary		8.3					1	Y	U
5	Tus Nua, Rehabilitation Unit, Enniscorthy, Co. Wexford		14.3					1	Y	U
	Walnut Grove, No 39/40, Residential Unit for young people, Wexford town, Co.									
5	Wexford		10.5					1	Y	U
5	Acorn Lodge, Cashel, Co. Tipperary							0	Y	Ν
	Ailesbury Private Nursing Home, 1a Kill Lane, Kill O'The Grange, Blackrock, Co.									
6	Dublin							0	Y	Ν
6	Ailesbury Private Nursing Home, 58 Park Avenue, Sandyford, Dublin 14							0	Y	Ν
1	Ballymote Community Nursing Unit, Co. Sligo							0	Ν	Ν
5	Carriglea Cairde Services, Dungarvan, Co. Waterford						18.7	1	Y	Ν
6	Cherryfield Lodge, Milltown Park, Dublin 6			34.9	20.5		42.5	3	Y	Ν
6	Children's Sunshine Home, Leopardstown Road, Dublin 18			64.0	50.0	38.5		3	Y	Ν
	Cluain Mhuire Community Mental Health Service, St John of God Community									
6	Services, Stillorgan, Co. Dublin, Stillorgan, Co. Dublin			39.1	36.8			2	Y	Ν
4	Cobh Community Hospital, Cobh, Co. Cork			59.2		50.0	61.1	3	Y	Ν
4	COPE Foundation Services, Bonnington, Montenotte, Cork							0	Y	Ν
7	Craddock House Nursing Home, Craddockstown Road, Naas, Kildare, Co. Kildare						32.5	1	Y	Ν
5	Greenhill Nursing Home, Carrick on Suir, Co. Tipperary			22.2	22.8		16.2	3	Y	Ν
6	Greystones Nursing Home, Church Road, Greystones, Co. Wicklow			84.2	85.7			2	Y	Ν
6	Leopardstown Park Hospital, Dublin 18	36.3		45.6	44.6	48.1	65.8	5	Y	Ν
7	Marymount Care Centre, Westmanstown, Lucan, Co. Dublin			10.7	21.4			2	Y	Ν

		2011-	2012-	2013-	2014-	2015-	2016-	No. of Complete Annual Survey	Active June	HSE Funding
СНО	Name of Public Residential Care Unit	2012	2013	2014	2015	2016	2017	Returns	2017	and staffed*
5	Melview House Nursing Home, Clonmel, Co. Tipperary			46.9				1	Y	N
	Muiriosa Foundation, Moore Abbey, Monasterevin, Co. Kildare (Sth. Kildare									
7	Services)			18.8	17.0	17.6		3	Y	N
4	Nazareth House, Mallow, Co. Cork							0	Y	N
	New Ross Community Hospital, Hospital Road, Pondfields, New Ross, Co.									
5	Wexford						48.4	1	Y	N
6	Newtownpark House, Blackrock, Co. Dublin							0	Y	N
1	Oak View Nursing Home, The Commons, Belturbet, Co. Cavan						35.8	1	Y	N
7	Oghill Nursing Home, Oghill, Monasterevin, Co. Kildare			24.6	62.5	56.7	40.7	4	Y	N
5	O'Gorman Home, Castle Street, Ballyragget, Co. Kilkenny						86.7	1	Y	N
7	Our Lady's Hospice, Dublin 6W			40.5	28.1	31.8	40.1	4	Y	N
7	Peamount Hospital, Co Dublin		17.7					1	Y	N
4	St Luke's Home, Cork City, Co. Cork			15.0	17.9			2	Y	N
	St. Francis Hospice Dublin, Station Road, Raheny, Dublin 5 (& Blanchardstown,									
9	Dublin 15)						39.4	1	Y	N
7	St. John of God Community Services Ltd., St. Raphael's, Celbridge, Co. Kildare			8.8				1	Y	N
6	St. Joseph's Care Centre, Cricken Road, Shankill, Co.Dublin							0	Y	N
9	St. Joseph's Centre, Daughters of Charity, Grange Road, Dublin 15		24.8	31.5	26.0	24.8	28.6	5	Y	N
5	St. Lazerian's House, Royal Oak Road, Moneybeg, Bagenalstown, Co. Carlow						88.6	1	Y	N
7	St. Louise's, Glenmaroon, Chapelizod		23.1	27.6	17.6	28.0	22.9	5	Y	N
9	St. Michaels House, Ballymun Road, Dublin 9		21.3	23.4			21.1	3	Y	N
	St. Patrick's Hospital, Marymount University Hospital and Hospice, Curraheen									
4	Road, Curraheen, Cork						25.9	1	Y	Ν
9	St. Rosalie's, Convent Lane, Portmarnock, Co. Dublin		42.9	93.1	96.4	88.5		4	Y	N
	St. Vincent's Centre, Daughters of Charity Disability Support Services, Lisnagry,									
3	Limerick				15.8		20.1	2	Y	Ν
9	St. Vincent's Centre, Navan Road, Dublin 7		23.8	37.7	52.5	51.4	35.8	5	Y	Ν
6	Tara Care Centre, 5/6 Putland Road, Bray, Co. Wicklow			75.0				1	Y	N
7	The Marley Nursing Home, Kellystown Road, Rathfarnham, Dublin 16			33.2	21.5	34.3	0.0	4	Y	N

\*Funding status of some LTCFs not verified (unknown) at time of writing

Appendix 7 40%+ Seasonal Influenza Vaccine Uptake in LTCFs by CHO, 2016-2017, Ireland
(n=122 including private, LTCFs with complete staff vaccine uptake returns)

	No. With Complete	No. with +40%	% with +40%
Community Health Organisation	Returns	Uptake	Uptake
Area 1: Donegal; Sligo/Leitrim/West Cavan; Cavan/Monaghan	26	6	23.1
Area 2: Galway; Roscommon; Mayo	10	1	10.0
Area 3: Clare; Limerick; North Tipperary/East Limerick	8	5	62.5
Area 4: Kerry; North Cork; North Lee; South Lee; West Cork	21	1	4.8
Area 5: South Tipperary; Carlow/Kilkenny; Waterford; Wexford	10	2	20.0
Area 6: Wicklow; Dun Laoghaire; Dublin South East	3	0	0.0
Area 7: Kildare/West Wicklow; Dublin West; Dublin South City; Dublin South West	5	0	0.0
Area 8: Laois/Offaly; Longford/Westmeath; Louth/Meath	10	3	30.0
Area 9: Dublin North; Dublin North Central; Dublin North West	9	6	66.7
LTCFs: Private (or funding status not verified at time of writing)	20	8	40.0
Total (122 LTCFs, including private)	122	32	26.2

## **Appendix 8** Seasonal Influenza Vaccine Uptake in LTCFs by CHO, 2016-2017, Ireland (n=122 including private, LTCFs with complete staff vaccine uptake returns)

Community Health Organisation (CHO) Area	Total Eligible Staff	Total Staff Vaccinated	OVERALL % Uptake Staff Vaccinated	No. of LTCFs	AVERAGE % Uptake Staff Vaccinated
Area 1: Donegal; Sligo/Leitrim/West Cavan; Cavan/Monaghan	1657.76	410	24.7	26	27.1
Area 2: Galway; Roscommon; Mayo	559	111	19.9	10	19.5
Area 3: Clare; Limerick; North Tipperary/East Limerick	605	252	41.7	8	44.5
Area 4: Kerry; North Cork; North Lee; South Lee; West Cork	2126	510	24.0	21	20.3
Area 5: South Tipperary; Carlow/Kilkenny; Waterford; Wexford	949	211	22.2	10	26.9
Area 6: Wicklow; Dun Laoghaire; Dublin South East	458	139	30.3	3	26.9
Area 7: Kildare/West Wicklow; Dublin West; Dublin South City; Dublin South West	752	223	29.7	5	28.6
Area 8: Laois/Offaly; Longford/Westmeath; Louth/Meath	881	279	31.7	10	29.9
Area 9: Dublin North; Dublin North Central; Dublin North West	1928.42	555	28.8	9	43.7
LTCFs: Private (or funding status not verified at time of writing)	5218	1521	29.1	20	38.6
Total (122 LTCFs, including private)	15134.18	4211	27.8	122	29.8

## **Appendix 9** Seasonal Influenza Vaccine Uptake in HSE funded and staffed LTCFs by HSE Category of Staff, 2016-2017, Ireland (n=102 LTCFs with complete staff vaccine uptake returns)

HSE Grade Category	Total Eligible Staff	Total Staff Vaccinated	% Total Staff Vaccinated (OVERALL)	Number of LTCFs	AVERAGE % Uptake Staff Vaccinated
General Support Staff	2328.77	637	27.4	102	33.7
Health & Social Care Professionals	847.11	305	36.0	102	50.7
Management & Administration	1029.79	323	31.4	102	41.4
Medical & Dental	337.01	72	21.4	102	46.1
Nursing	3334.39	889	26.7	102	28.1
Other Patient & Client Care	2039.11	464	22.8	102	28.2
Total	9916.18	2690	27.1	102	28.1

Criteria	2011- 2012	2012- 2013	2013- 2014	2014- 2015	2015- 2016	2016- 2017
Number of participating HSE funded and staffed LTCFs providing returns	102	144	100	76	82	102*
Number of Long Stay Beds Reported	4294	4726	4404	3500	3725	4388
Average Number of Long Stay Beds per LTCF Reported	42.1	32.8	44.0	46.1	45.4	43.0
Number of Long Stay Residents on Date of Report	3995	5026	4109	3365	3443	4187
Average Number of Long Stay Residents per LTCF on Date of Report	39.2	34.9	41.1	44.3	42.0	41.0
% Occupancy of Long Stay Residents in Long Stay Beds on Date of Report	93.0%	106.3%	93.3%	96.1%	92.4%	95.4%
Number of Long Stay Residents Since Season Start	4074	5147	4312	3665	3886	4557
Average Number of Long Stay Residents per LTCF Since Season Start	39.9	35.7	43.1	48.2	47.4	44.7
% Occupancy of Long Stay Residents in Long Stay Beds Since Season Start	94.9%	108.9%	97.9%	104.7%	104.3%	103.9%
Number of Long Stay Residents who have Left or Died	650	780	559	533	600	730
Average Number of Long Stay Residents per LTCF who have Left or Died	6.4	5.4	5.6	7.0	7.3	7.2
Number of Long Stay Residents Vaccinated on Date of Report	3383	3878	3647	3148	3249	3806
Average Number of Long Stay Residents Vaccinated per LTCF on Date of Report	33.2	26.9	36.5	41.4	39.6	37.3
Number of Long Stay Residents Vaccinated Since Season Start	3597	3780	3519	3218	3524	4262
Average Number of Long Stay Residents Vaccinated per LTCF Since Season Start	35.3	26.3	35.2	42.3	43.0	41.8
% Long Stay Residents Vaccinated on Date of Report	84.7%	77.2%	88.8%	93.6%	94.4%	90.9%
% Long Stay Residents Vaccinated Since Season Start	<b>88.3%</b>	73.4%	<b>81.6%</b>	<b>87.8%</b>	<b>90.7%</b>	93.5%
Number of Respite Beds Reported	489	531	539	465	446	513
Number of Respite Residents on Date of Report	376	464	417	262	287	390
Average Number of Respite Residents per LTCF on Date of Report	3.7	3.2	4.2	3.4	3.5	3.8
% Occupancy of Respite Residents in Respite Beds	76.9%	87.4%	77.4%	56.3%	64.3%	76.0%
Number of Respite Residents Since Season Start	5247	4645	2850	2974	2501	3435
Average Number of Respite Residents per LTCF Since Season Start	51.4	32.3	28.5	39.1	30.5	33.7
Number of Respite Residents that were Vaccinated Before Admission Since Season Start	156	437	494	895	629	484
Average Number of Respite Residents that were Vaccinated Before Admission per LTCF Since Season Start	1.5	3.0	4.9	11.8	7.7	4.7
% Respite Residents that were Vaccinated Before Admission Since Season Start	3.0%	9.4%	<b>17.3%</b>	<b>30.1%</b>	<b>25.1%</b>	14.1%
Number of Respite Residents that were Vaccinated in LTCFs Since Season Start	169	289	387	357	271	657
Average Number of Respite Residents per LTCF that were Vaccinated in LTCFs Since Season Start	1.7	2.0	3.9	4.7	3.3	6.4
% Respite Residents that were Vaccinated in LTCFs Since Season Start	3.2%	<b>6.2%</b>	<b>13.6%</b>	<b>12.0%</b>	<b>10.8%</b>	19.1%
% All Vaccinated Respite Residents Since Season Start	<b>6.2%</b>	<b>15.6%</b>	<b>30.9%</b>	<b>42.1%</b>	<b>36.0%</b>	33.2%

#### Appendix 10 LTCF activity statistics and seasonal influenza vaccination by season, Ireland

\* excludes data from St. Ita's Psychiatric Hospital, Portrane, Co. Dublin and St. Oliver Plunkett Hospital, Drogheda, Co. Louth provided details on resident uptake but not of staff

# **Appendix 11.1** List of LTCFs that have reported at least once since 2011-2012 having a policy of vaccinating respite residents before admission

HSE funded and staffed LTCFs
Abbeyleix District Hospital, Abbeyleix, Co. Laois
Ballincollig Community Nursing Unit, Ballincollig, Co. Cork
Baltinglass District Hospital, Baltinglass, Co. Wicklow
Bandon Community Hospital, Bandon, Co. Cork
Beaufort House, Navan Community Health Unit, Athboy Road, Navan, Co. Meath
Belmullet District Hospital (including Aras Deirbhile), Belmullet, Co. Mayo
Birr Community Nursing Unit, Birr, Co. Offaly
Castletownbere Community Hospital (St. Joseph's), Castletownbere, Co. Cork
Cleary House Supervised Residential Unit, Mental Health Services, Letterkenny, Co. Donegal
Clifden District Hospital, Clifden, Co. Galway
Clonakilty Community Hospital and Long Stay Unit (Mount Carmel Home and Hospital), Clonakilty, Co. Cork
Dalkey Community Unit, Dalkey, Co. Dublin
Dalton Community Nursing Unit, Claremorris, Co. Mayo
Dean Maxwell Community Nursing Unit, Roscrea, Co. Tipperary
Dunamanway Community Hospital (St. Anthony's), Dunmanway, Co. Cork
Dungarvan Community Care, Dungarvan, Co. Waterford
Dungarvan Community Hospital - incorporting St. Josephs Hospital and Dungarvan District Hospital (St.
Vincent's), Dungarvan, Co. Waterford
Ennistymon Community Nursing Unit, Ennistymon, Co. Clare
Heather House, Buttevant, Co. Cork
Hospital of the Assumption, Thurles, Co. Tipperary
Kanturk Community Hospital, Kanturk, Co. Cork
Kenmare Community Hospital, Kenmare, Co. Kerry
Killybegs Community Hospital, Killybegs, Co. Donegal
Kinsale Community Hospital, Kinsale, Co. Cork
Listowel Community Hospital, Listowel, Co. Kerry
Lusk Community Unit, Lusk, Co. Dublin
Macroom Community Hospital, Macroom, Co. Cork
North Cork Mental Health Services, St. Stephens Hospital, Glanmire, Cork, Cork City
Phoenix Park Community Nursing Unit, Dublin 20
Regina House Community Nursing Unit, Kirush, Co. Clare
Sacred Heart Hospital, Old Dublin Road, Carlow, Co. Carlow
Seanchara Community Unit, Dublin 11
Shiel Community Hospital, College Street, Ballyshannon, Co. Donegal
Skibbereen Community Hospital (St. Anne's), Skibbereen, Co. Cork
St. Augustine's Community Nursing Unit, Ballina, Co. Mayo
St. Brendan's Home, Loughrea, Co. Galway
St. Brigid's Home, Crooksling, Brittas, West Co. Dublin
St. Brigid's Hospital, Shaen, Portlaoise, Co. Laois
St. Clare's Home, Glasnevin, Dublin 9
St. Colman's Hospital, Rathdrum, Rathdrum, Co. Wicklow
St. Conlon's Community Nursing Unit, Nenagh, Co. Tipperary
St. Finbarr's Hospital, Cork, Co. Cork
St. Fionnan's Community Nursing Unit, Achill Island, Co. Mayo
St. John's Hospital & St. John's Ward Ely Hosp., Enniscorthy, Co. Wexford
St. Joseph's Community Hospital, Ennis, Co. Clare
St. Joseph's Hospital, Trim, Trim, Co. Meath
St. Oliver Plunkett Hospital, Drogheda, Co. Louth
St. Patrick's Community Hospital, Carrick on Shannon, Co. Leitrim
St. Patrick's Community Hospital, Fermoy, Co. Cork
St. Patrick's Hospital, Cashel, Co. Tipperary

#### Appendix 11.1 continued

St. Patrick's Hospital, John's Hill, Waterford, Co. Waterford
St. Vincent's Hospital, Athy, Co. Kildare
St. Vincent's Hospital, Mountmellick, Co. Laois
Sullivan Memorial Home, Cavan, Co. Cavan
Swinford District Hospital, Swinford, Co. Mayo
The Royal Hospital, Dublin 4
LTCFs : Private or funding status not verified at time of writing
Aras Attracta Intellectual Disability Services, Swinford, Co. Mayo
Carriglea Cairde Services, Dungarvan, Co. Waterford
Cherryfield Lodge, Milltown Park, Dublin 6
Cobh Community Hospital, Cobh, Co. Cork
Leopardstown Park Hospital, Dublin 18
Marymount Care Centre, Westmanstown, Lucan, Co. Dublin
Muiriosa Foundation, Moore Abbey, Monasterevin, Co. Kildare (Sth. Kildare Services)
St Luke's Home, Cork City, Co. Cork

# **Appendix 11.2** List of LTCFs that have reported at least once since 2012-2013 having a policy of vaccinating staff

LICE funded and sheft LTCEs
HSE funded and staff LTCFs
Aras Mhuire Community Nursing Unit, Tuam, Co. Galway
Ardamine Community Mental Health Hostel, Ardamine, Gorey, Co. Wexford
Boyne View House, Drogheda, Co. Louth
Children's Sunshine Home, Leopardstown Road, Dublin 18
Cleary House Supervised Residential Unit, Mental Health Services, Letterkenny, Co. Donegal
Cluain Fhionnain Intellectual Disability Unit, Ballydribeen, Killarney, Co. Kerry
Cottage Hospital, Drogheda, Co. Louth
Dean Maxwell Community Nursing Unit, Roscrea, Co. Tipperary
Dunamanway Community Hospital (St. Anthony's), Dunmanway, Co. Cork
Farranlea Road Community Nursing Unit, Wilton, Co. Cork
Grove House, Intellectual Disability Service, St. Mary's Health Campus, Gurranabraher, Co. Cork
Ivy House, Proudstown Road, Navan, Co. Meath
Kanturk Community Hospital, Kanturk, Co. Cork
Kenmare Community Hospital, Kenmare, Co. Kerry
Leopardstown Park Hospital, Dublin 18
Listowel Community Hospital, Listowel, Co. Kerry
Midleton Community Hospital and Long Stay Unit
(Our Lady of Lourdes), Midleton, Co. Cork
Muiriosa Foundation, Moore Abbey, Monasterevin, Co. Kildare (Sth. Kildare Services)
St. Colman's Hospital, Rathdrum, Rathdrum, Co. Wicklow
St. Joseph's Care Centre, Longford, Co. Longford
St. Joseph's Disability Service, Portrane, Co. Dublin
St. Joseph's Hospital, Trim, Trim, Co. Meath
St. Mary's Hospital, Drogheda, Drogheda, Co. Louth
St. Patrick's Hospital, Cashel, Co. Tipperary
The Marley Nursing Home, Kellystown Road, Rathfarnham, Dublin 16
LTCFs: Private or funding status not verified at time of writing
Heather House, Buttevant, Co. Cork
Mount Alvernia Hospital, Mallow, Co. Cork
New Haughton Hospital, New Ross, Co. Wexford
Oghill Nursing Home, Oghill, Monasterevin, Co. Kildare
Owenacurra Centre, Midleton, Cork
St. Colmans House, Hospital Grounds, Macroom, Co. Cork
St. Vincent's Hospital, Athy, Co. Kildare