COVID-19 Vaccination Uptake in Ireland

Weekly Report

Winter Campaign 2024

Week ending Sunday 27th October 2024

Latest Summary Statistics Absolute Numbers of COVID-19 Winter 2024 Campaign Doses and Percentage Uptake of the Census 2022 Population and other denominator estimates between 16/09/2024 and 27/10/2024 inclusive

Age Group	No. Booster Doses	Census 2022 Population/Other estimates	No. Booster doses as % Uptake Census 2022 Population/Other estimates
60-69yrs	82284	510814	16.1
70-79yrs	110673	357144	31.0
80+yrs	73954	181027	40.9
Immuncompromised 6months+	38904	63000	61.8
HCWs	13070	250000	5.2
LTCF residents	16306	25000	65.2

Winter 2024 COVID-19 Campaign Target Groups

- The COVID-19 Winter 2024 vaccination campaign will officially start on 01/10/2024. However, because the National Cold Chain commenced deliveries of COVID-19 vaccines to GPs, Pharmacies and HSE from 16/09/2024, it has meant some GP clinics and pharmacies begun vaccine administration from this date. For the purposes of reporting henceforth, all figures from the week commencing 30/09/2024 will include those administered doses between 16/09/2024 and 30/09/2024 inclusive.
- The administration of vaccine doses follows the guidelines set down by the National Immunisation Advisory Committee (NIAC), which are available here at https://rcpi.access.preservica.com/uncategorized/IO_e96fc7c5-1777-45d3-898e-5550336168aa/
- The primary target groups of the Winter COVID-19 2024 vaccine campaign include those aged:
- 60 years and older;
- 6 months-59 years:
  - with immunocompromised conditions associated with a suboptimal response to vaccination
  - with medical conditions associated with a higher risk of COVID-19 hospitalisation, severe disease or death
  - 18-59 years living in long term care facilities for older adults;
- Health and care workers;
- Pregnant women:
  - For pregnant women, a single primary vaccination dose is recommended. A booster dose is recommended all year and is not seasonal and can be given if it is more than six months since their previous dose or infection at any stage in pregnancy. The booster is ideally given between 20-34 weeks' gestation. If it is more than 12 months since their previous COVID-19 vaccine or infection administration earlier in pregnancy should be considered.

Methodology

- *Data were provided by OCIO based on data in the data lake PROD environment (includes COVAX registered vaccinations and GP administered vaccinations).*
- *DENOMINATOR USE: In this report, uptake is calculated based on Census 2022 population. See* https://www.cso.ie/en/releasesandpublications/ep/p-cpsr/censusofpopulation2022-summaryresults/populationchanges/

Summary Findings I

Between 16/09/2024 and 27/10/2024

- **Total:** 336,373 COVID-19 booster doses reported
- **Age Group**: Booster dose uptake among
  - 60-69 year olds was 16.1%
  - 70-79 year-olds was 31.0%
  - 80+ year olds, it was 40.9%
  - 60+ years olds was 25.4%
- **Gender**: Booster uptake was highest among males aged 80-84 and 80+ years at 44.2% and among females aged 85+ years at 39.1%, respectively
  - Among eligible persons aged 6 months to 59 years booster dose uptake for
  - 6 months to 4 years was 0.0%
  - 5-11 years was 0.0 %
  - 12-59 years was 2.1%
- **Vaccination Location:** Of the booster doses administered
  - 66.0% were in GP clinics
  - 9.0% in HSE clinics
  - 25.0% in pharmacies
- **County of Residence:** Uptake was highest at
  - 22.7% among 60–69-year-olds in Co. Wicklow
  - 41.9% among 70-79 years olds in Co. Wicklow
  - 52.8% among 80+ years olds in Co. Wicklow
  - 34.2% among 60+ year olds in Co. Wicklow

Summary Findings II

Between 16/09/2024 and 27/10/2024

- **Immunocompromised**: 38,904 booster doses administered; uptake was highest in Co. Dublin at 29.9% and in Co. Cork at 19.3% of the booster doses administered; estimated uptake nationally was 61.8% among an estimated immunocompromised population of 63,000
- **Pregnant women**: 645 booster doses administered aged 18-59 years; uptake nationally was 2.9% among an estimated target pregnant population of 22,790
- **Healthcare workers (HCWs)**: 13,070 booster doses administered; uptake was highest in Co. Dublin at 42.9% and in Co. Cork at 11.4% of the booster doses administered; uptake nationally was 5.2% among an estimated HCW population of 250,000
- **LTCF residents**: 16,306 booster doses have yet been administered; uptake was highest in Co. Dublin at 24.8% and in Co. Cork at 14.7% of the booster doses administered; uptake nationally was 65.2% among an estimated LTCF resident population of 25,000

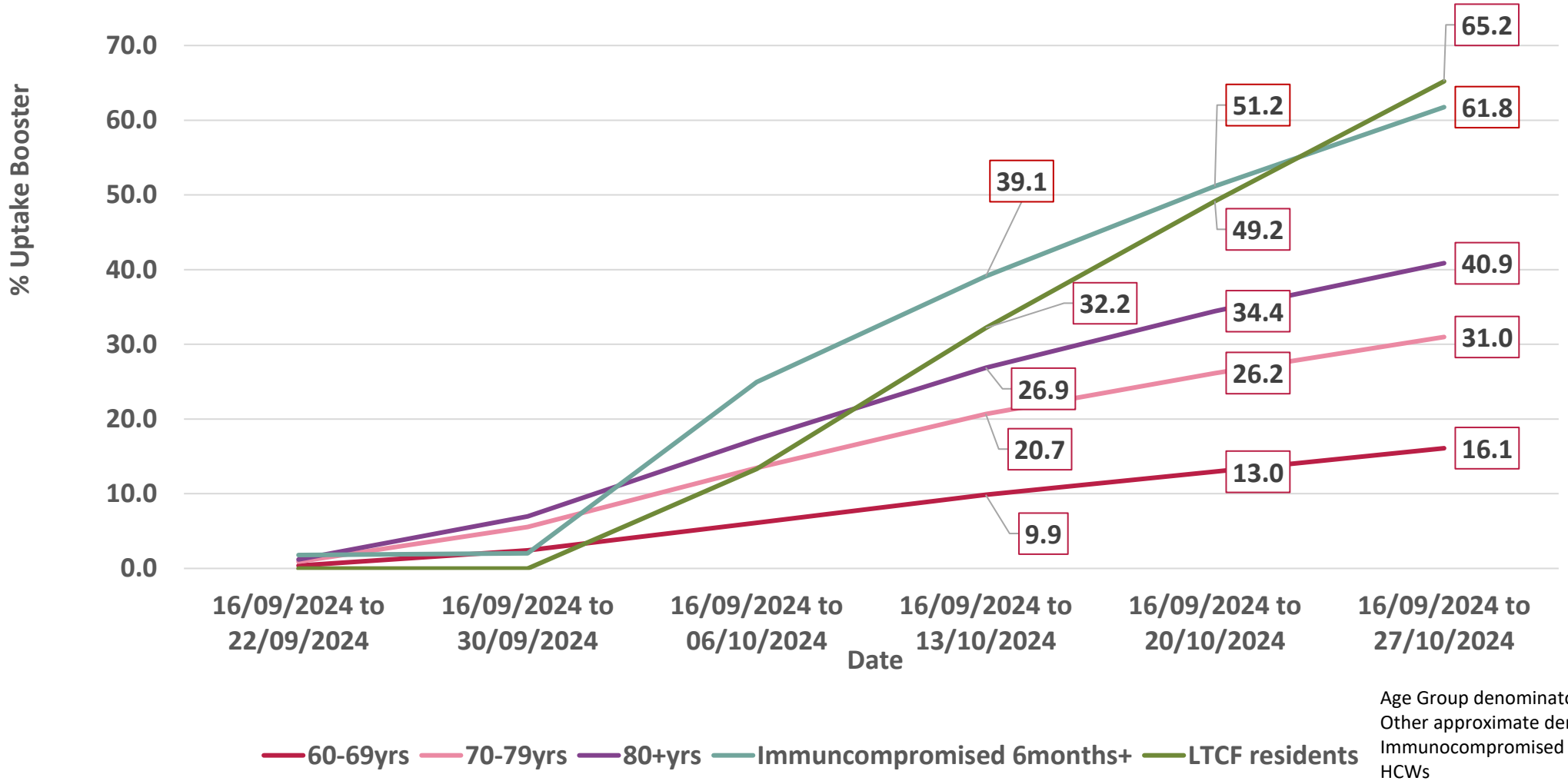
COVID-19 Booster Doses by Age Group and Target Group between 16/09/2024 and 27/10/2024 inclusive

Period	Last Dose Course	Last Dose Classification/Type	6 months-4 years of age eligible for vaccination	5-11 years of age eligible for vaccination	12-59 years of age eligible for vaccination	60-69 years	70-79 years	80+ years	60+ years	6 months+	LTCF residents 18-59 years	LTCF residents 60+ years	Pregnant women	HCWs	All
16/09/2024 to 27/10/2024	Course2	Booster	6	20	9714	82284	110673	73954	266911	276651	918	15385	650	13070	336373
01/10/2024 to 27/10/2024	Course2	Booster	2	4	1611	15026	15983	10959	41968	43585	276	3735	122	2890	55106

COVID-19 Booster Doses by Age Group between 16/09/2024 and 27/10/2024 inclusive

Age Group	No. Boosters	Census 2022 Population/Other denominator estimates	No. Booster doses % Uptake Population Census 2022/Other denominator estimates
All Ages	336373	5149139	6.5
6months+	336373	5120241	6.6
6months-49yrs	36474	3424088	1.1
5+yrs	336367	4853724	6.9
12+yrs	336339	4361794	7.7
12-17yrs	435	431222	0.1
18+yrs	335904	3930572	8.5
50+yrs	299899	1696153	17.7
60+yrs	266911	1048985	25.4
50-69yrs	115272	1157982	10.0
65+yrs	232027	776315	29.9
70+yrs	184627	538171	34.3
12-69yrs	151712	3823623	4.0
6months-4yrs	6	266517	0.0
5-11yrs	28	491930	0.0
12-59yrs	69428	3312809	2.1
60-69yrs	82284	510814	16.1
70-79yrs	110673	357144	31.0
80+yrs	73954	181027	40.9
Immuncompromised 6months+	38904	63000	61.8
HCWs	13070	250000	5.2
Pregnant women	650	22790	2.9
LTCF residents	16306	25000	65.2

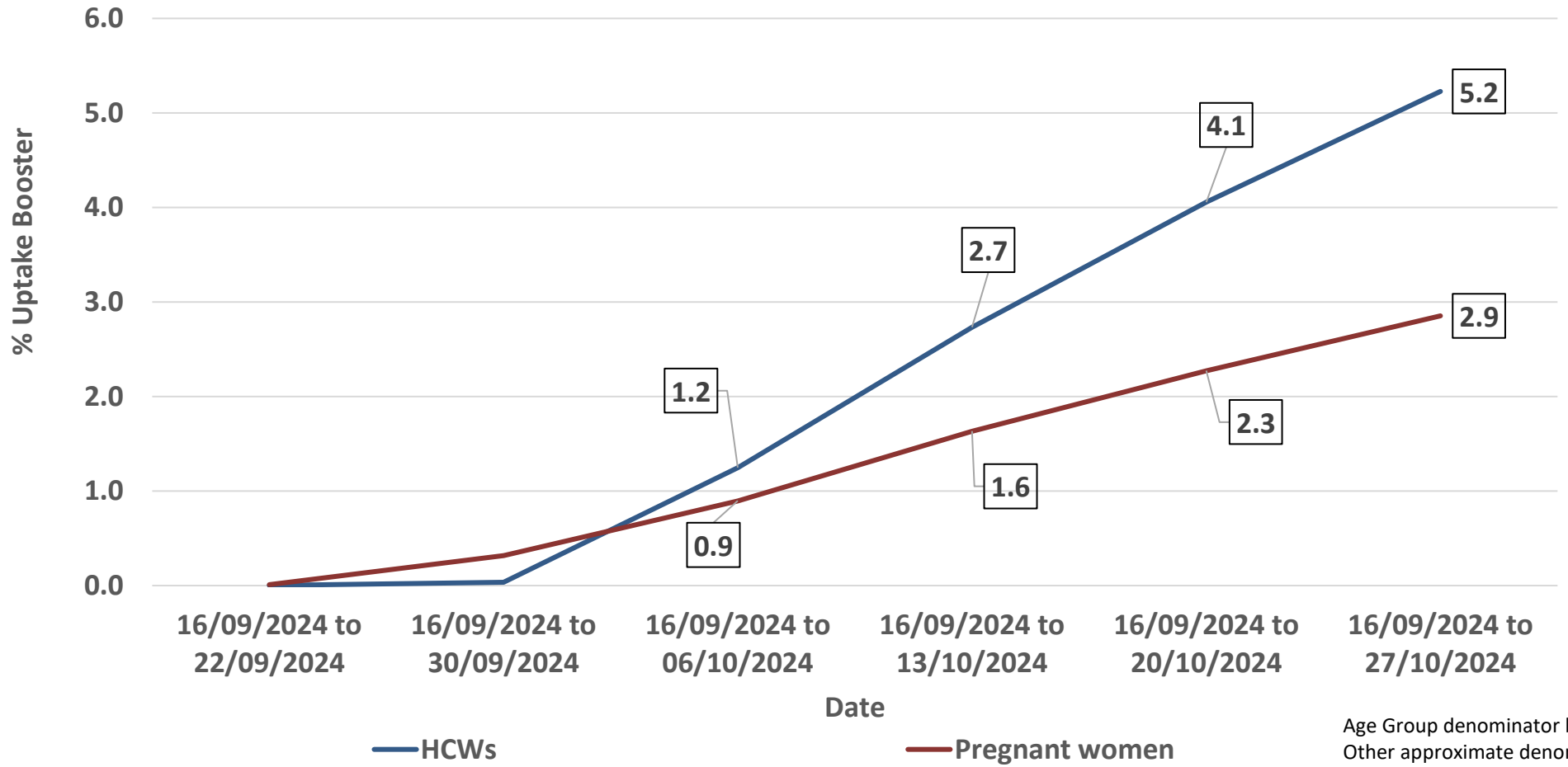
Percentage of Winter 2024 COVID-19 Booster Doses by Age Group and Other Specific Target Groups by Week administered between 16/09/2024 and 27/10/2024 inclusive



Age Group denominator based on census 2022;
Other approximate denominator estimates:

Immunocompromised 6months+	63,000
HCWs	250,000
Pregnant women	22,790
LTCF residents	25,000

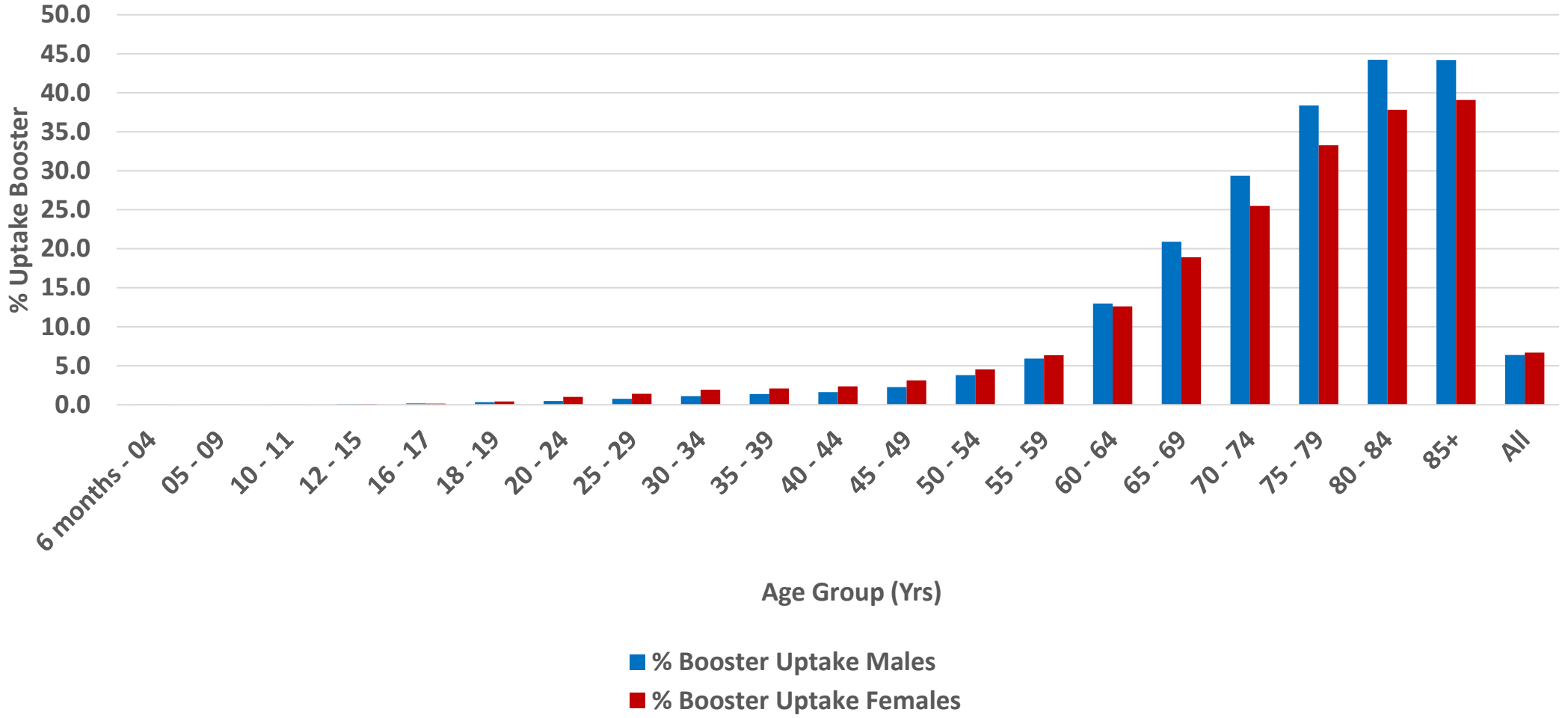
Percentage of Winter 2024 COVID-19 Booster Doses by Specific Target Groups by Week administered between 16/09/2024 and 27/10/2024 inclusive



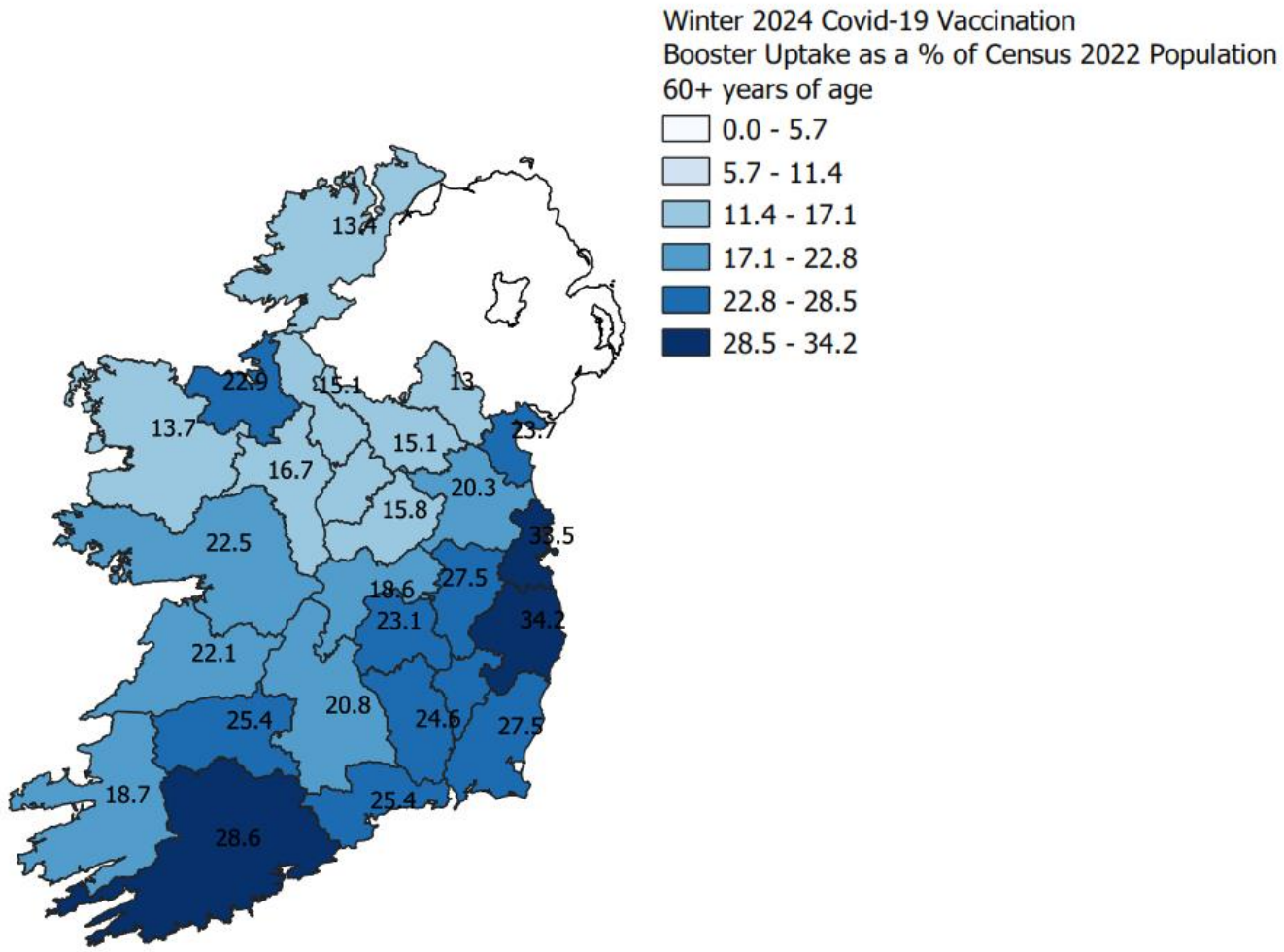
Age Group denominator based on census 2022;
Other approximate denominator estimates:

Immunocompromised 6months+	63,000
HCWs	250,000
Pregnant women	22,790
LTCF residents	25,000

Uptake of Winter 2024 COVID-19 Booster Doses as a percentage of the Census 2022 population by age groups and gender administered between 16/09/2024 and 27/10/2024 inclusive



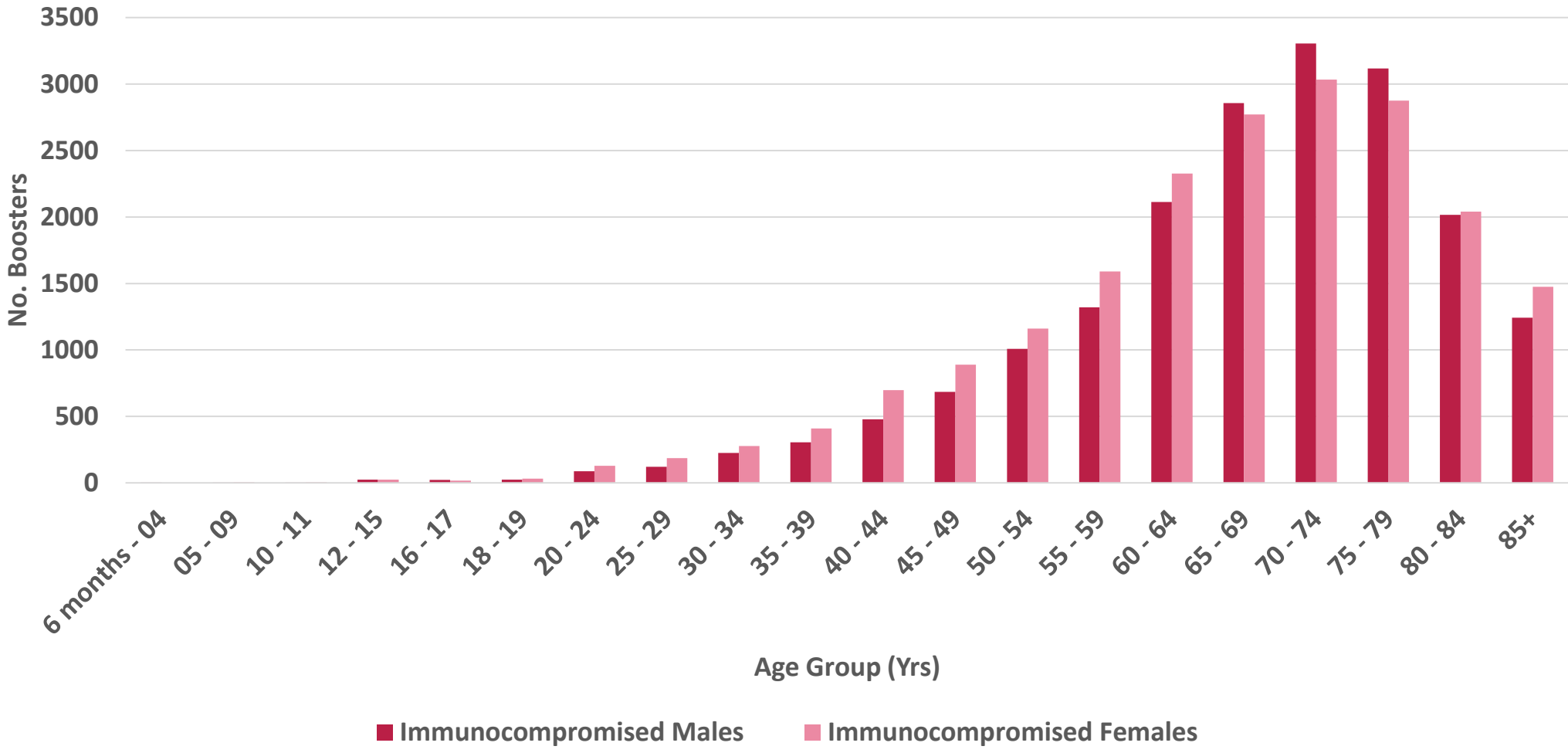
Uptake of Winter 2024 COVID-19 Booster Doses by county as a percentage of the Census 2022 population among 60+ year olds between 16/09/2024 and 27/10/2024 inclusive



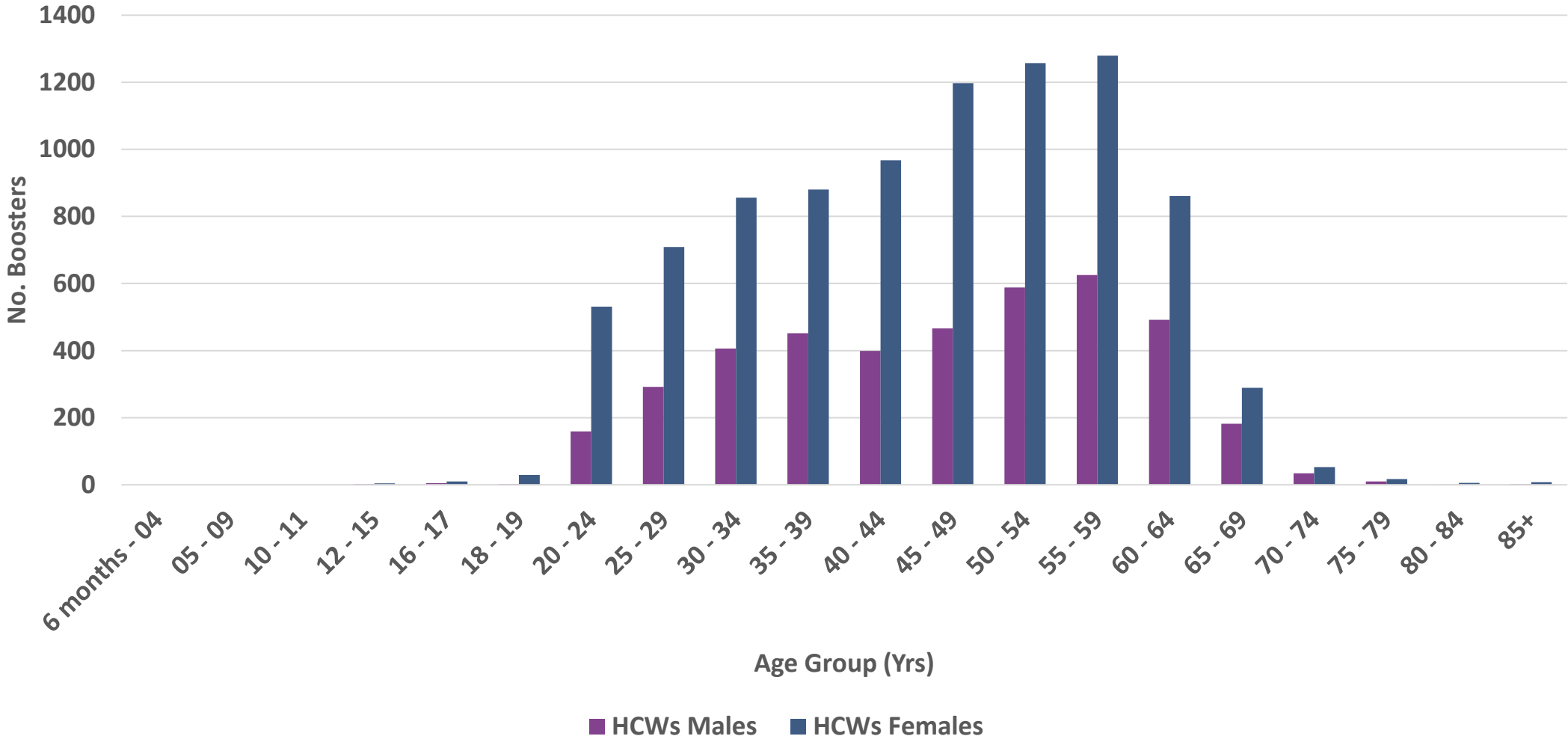
Number of COVID-19 Winter 2024 booster doses administered to HCWs* by age group and staff category administered between 16/09/2024 and 27/10/2024 inclusive (*Based on the estimated denominator of 250,000)

Occupation	<18	18-59	60-69	70-79	80+	Total	% of Total
General Support Staff	0	610	224	15	2	851	6.5
Health & Social Care Professionals	0	2558	292	22	0	2872	22.0
Management & Administration Staff	0	1455	388	12	1	1856	14.2
Medical & Dental	0	2322	207	14	1	2544	19.5
Nursing & Midwifery	1	2337	334	9	0	2681	20.5
Patient Client Care Staff	1	568	147	10	0	726	5.6
General	0	93	45	3	0	141	1.1
Retired	0	0	4	0	0	4	0.0
Other	0	224	43	5	0	272	2.1
Not specified	19	927	140	24	13	1123	8.6
Total	**21**	**11094**	**1824**	**114**	**17**	**13070**	**100.0**

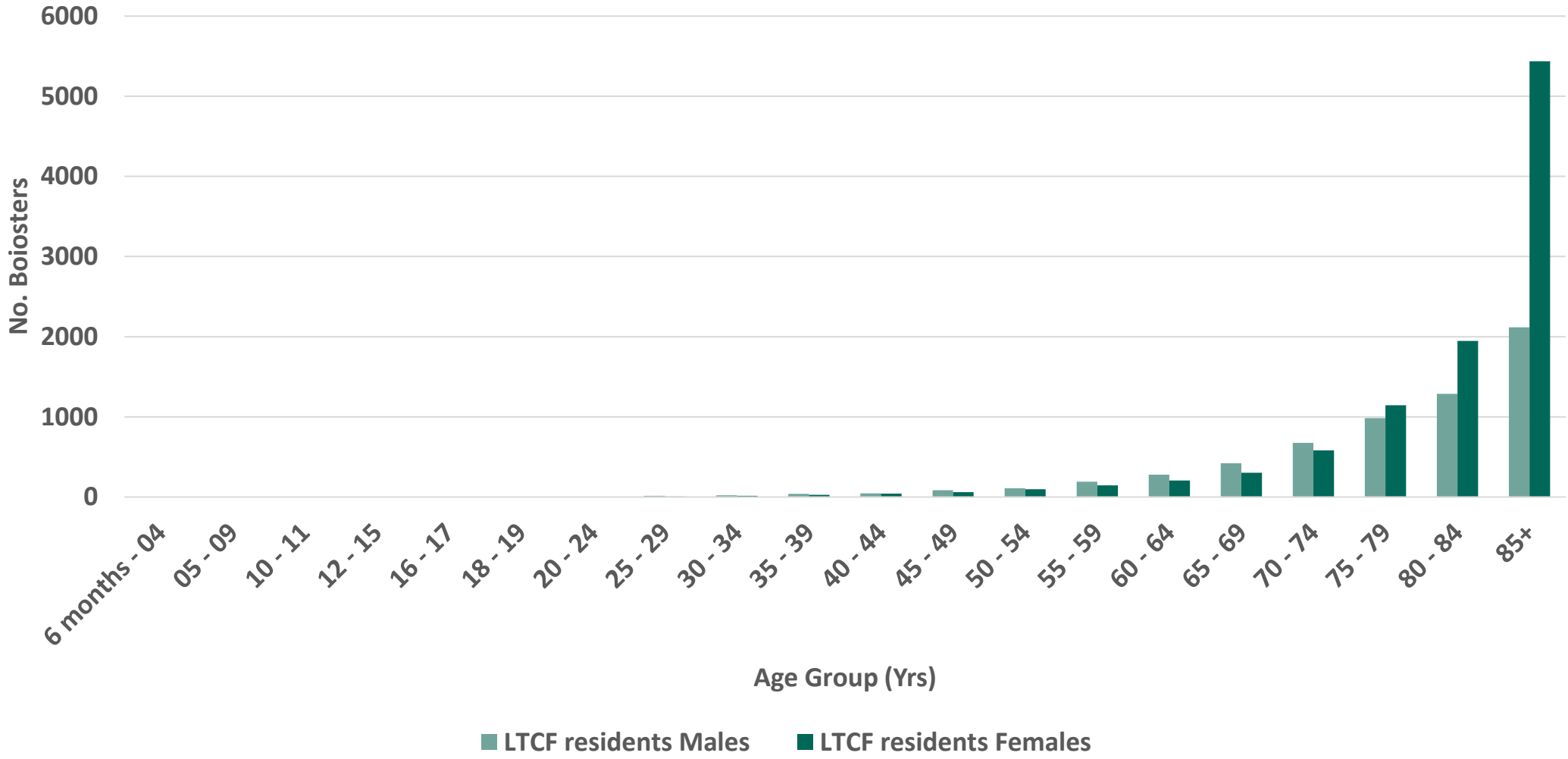
Number of COVID-19 Winter 2024 booster doses among immunocompromised by age and gender administered between 16/09/2024 and 27/10/2024 inclusive



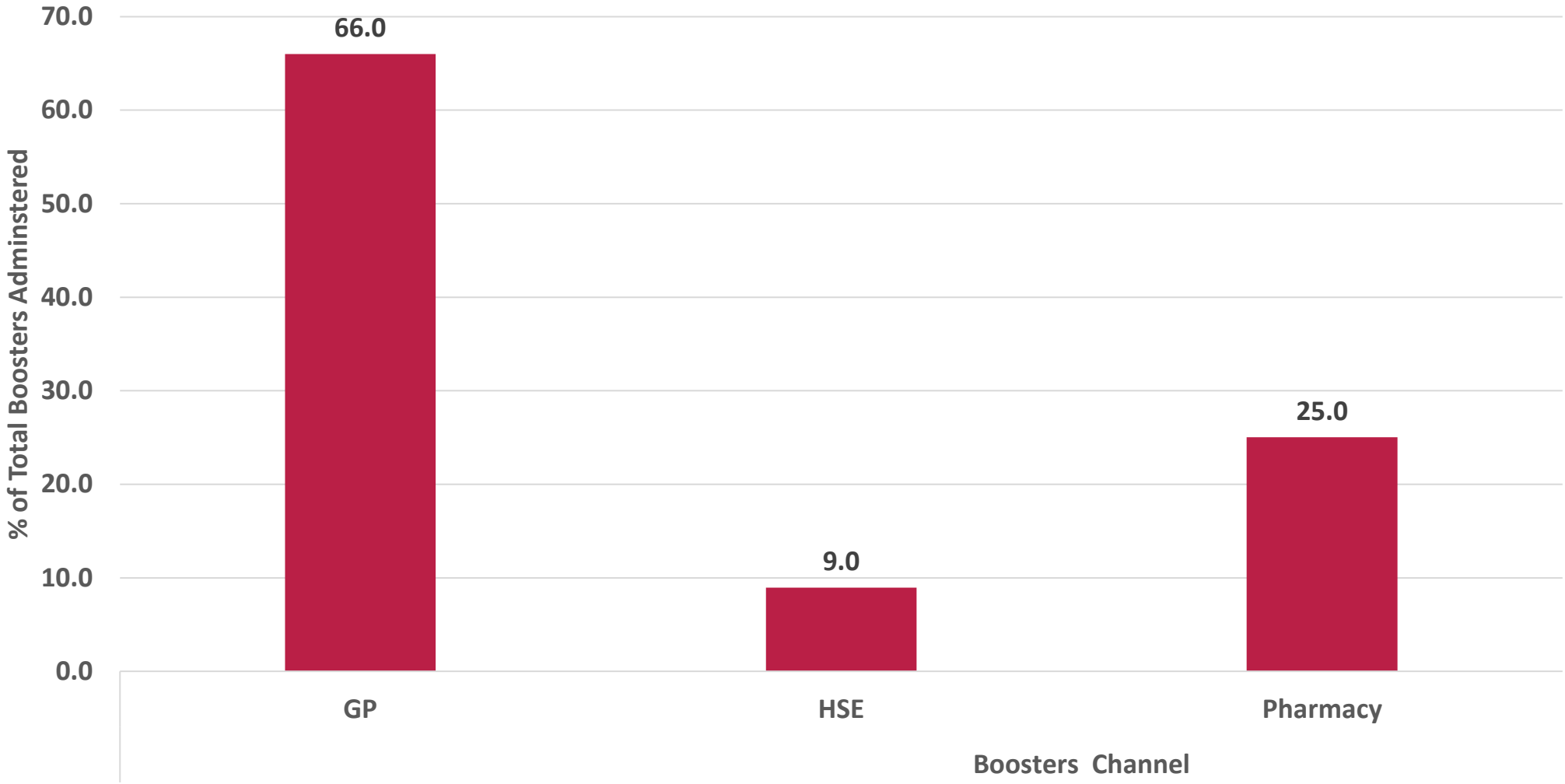
Number of COVID-19 Winter 2024 booster doses among HCWs by age and gender administered between 16/09/2024 and 27/10/2024 inclusive



Number of COVID-19 Winter 2024 booster doses among RCF residents by age and gender administered between 16/09/2024 and 27/10/2024 inclusive



Percentage of Winter 2024 COVID-19 Booster Doses by Distribution Channel administered between 16/09/2024 and 27/10/2024 inclusive



Caveats I

- Uptake data reported refers to the period up to midnight of the last day of the latest epidemiological week Monday to Sunday.
- Where county and/or age group calculation of estimated uptake exceeds 100% due to data capture issues within Coax or where the numerator exceeds the population estimate/denominator then the uptake will be rounded down to 99.9% (unless otherwise indicated in the report).
- Total reported doses in this report now includes all vaccination doses on the IIS/COVAX data system, including those received abroad by Irish residents.
- Reported figures excludes vaccination records where the death of the individual has been recorded.
- While data is presented in terms of total number of people receiving boosters as a proportion of total population, it should be noted that not all people within these populations will be eligible for vaccination at a given time for example if they have recently had COVID-19 infection.
- It was not possible to accurately summarise the number of individuals aged between 6 months and 4 years, between 5 and 11 years and between 12 and 59 years with underlying medical conditions because those details in the IIS/COVAX extract are combined in a complex way with target groupings.

Caveats II

- The data in this report are based on the vaccination records stored on the COVAX system. The vaccination status and other variables on the person's account and vaccination record such as risk factors and cohorted groupings are as recorded on this system. For values recorded on the person's account, these may not be updated at each vaccination event depending on them being provided by the vaccine recipient and recorded at the time of vaccination.
- Furthermore, for vaccinations given at GP practices and pharmacies, these other variables are not necessarily mandatory at the source of record (GP Practice or Pharmacy System) and so may not update changes on the person account in COVAX. As a result, in some cases, the data may reflect a historic value (such as risk factor or cohort).
- In addition, a person may have more than one risk factor for a given vaccination event, but all relevant risk factors may not be recorded. For example, as HCW status is considered a risk factor, those who also have a medical condition (another risk factor) are likely to be recorded on IIS/COVAX with the latter rather as a HCW, thereby resulting in an under-reporting of vaccinated HCWs
- Also, cohorting (such as healthcare worker) is dependent on this information being supplied by the vaccine recipient at the time of vaccination and this being recorded on the system of record. Therefore, this data presented in this report is based on the vaccination status of individuals registered on the COVAX system based on their last dose received.
- This means that the risk factor profile of those same individuals may not reflect their actual status at that same time for the reasons explained above.
- The data presented in this slide set focusses exclusively on all booster doses administered during the Winter 2024 campaign as the number of individuals who have competed their primary course treatment is quite small, so much so that the numbers will have a negligible impact on the calculation of the overall percentage uptake of COVID-19 vaccination in the general population.

Acknowledgements

Sincere thanks to the following for providing the data for this report:

- National Immunisation Office (NIO)
- Office of the Chief Information Officer (OCIO)
- HSE Integrated Information Services (IIS) and COVAX Implementation team of Salesforce, IBM, PWC, EY
- HSE procurement/acute hospitals/CHOs/vaccinating teams and administrators/IT staff
- HSE Health Intelligence, Strategic Planning & Transformation Unit
- NHSS for Fair Deal Resident Data
- HR-Sap for HSE HCW Data

Uptake of Winter 2024 Booster & Seasonal Influenza 2024 doses by HSE HCWs between 16/09/2024 to 13/10/2024

- In total **108,294** records for **HSE healthcare workers** were included in the analysis.
- **Overall uptake** by end of **13/10/2024**
  - **4,195 received COVID-19 vaccine, an uptake of 3.9%**
  - **11,023 received influenza vaccine, an uptake of 10.2%**
- Amongst those who received a vaccine:
  - 3,951 (3.6%) received both COVID-19 and influenza vaccine
  - 244 (0.2%) received COVID-19 vaccine only
  - 7,072 (6.5%) received influenza vaccine only
- 97,027 (89.6%) did not receive any COVID-19 or influenza vaccine
  - 104,099 (96.1%) did not get a COVID-19 vaccine
  - 97,271 (89.8%) did not get an influenza vaccine

Uptake of Winter 2024 COVID-19 Booster & Seasonal Influenza doses by Fair Deal residents in residential care facilities between 16/09/2024 to 20/10/2024

525 residential care facilities were identified from a matched dataset.

Influenza Vaccination Uptake

- Between 16/09/2024 and 20/10/2024, overall uptake among Fair Deal residents was 44.8% (n=10,602/23,658)
  - 204 locations (38.9%) where no vaccinations were reported, or uptake was <=10%
  - 22 locations (4.2%) had an uptake >=10% and <50%
  - 99 locations (18.9%) had an uptake >=50% and <75%
  - 161 locations (30.7%) had an uptake >=75% and <90%
  - 32locations (6.1%) had an uptake >=90% and <100%
  - 6 locations (1.1%) had an uptake of 100%

COVID-19 Vaccination Uptake

- Between 01/10/2024 and 20/10/2024, overall uptake among Fair Deal residents was 39.7% (n=9,390/23,658)
  - 216 locations (41.1%) where no vaccinations were reported, or uptake was <=10%
  - 35 locations (6.7%) had an uptake >=10% and <50%
  - 161 locations (30.7%) had an uptake >=50% and <75%
  - 99 locations (18.9%) had an uptake >=75% and <90%
  - 13 locations (2.5%) had an uptake >=90% and <100%
  - No locations (0.0%) had an uptake of 100%