



# COVID-19 Vaccination Uptake in Ireland

## Weekly Report

### Winter Campaign 2024

Week ending Sunday 17<sup>th</sup> November 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 17/11/2024 inclusive**

Age Group	No. Booster Doses	Census 2022 Population/Other estimates	No. Booster doses as % Uptake Census 2022 Population/Other estimates
60-69yrs	113777	510814	22.3
70-79yrs	141870	357144	39.7
80+yrs	95400	181027	52.7
Immunocompromised 6months+	51171	63000	81.2*
HCWs	18285	250000	7.3
LTCF residents	23782	25000	95.1*

# 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/](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 17/11/2024***

- **Total:** 450,086 COVID-19 booster doses reported
- **Age Group:** Booster dose uptake among
  - 60-69 year olds was 22.3%
  - 70-79 year-olds was 39.7%
  - 80+ year olds, it was 52.7%
  - 60+ years olds was 33.5%
- **Gender:** Booster uptake was highest at 85+ years of age among males at 57.2% and among females at 51.5%
  - 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 3.0%
- **Vaccination Location:** Of the booster doses administered
  - 62.1% were in GP clinics
  - 9.7% in HSE clinics
  - 28.2% in pharmacies
- **County of Residence:** Uptake was highest at
  - 30.9% among 60–69-year-olds in Co. Dublin
  - 51.9% among 70-79 years olds in Co. Wicklow
  - 67.3% among 80+ years olds in Co. Wicklow
  - 43.9% among 60+ year olds in Co. Dublin

# Summary Findings II



***Between 16/09/2024 and 17/11/2024***

- **Immunocompromised:** 51,171 booster doses administered; uptake was highest in Co. Dublin at 29.9% and in Co. Cork at 18.5% of the booster doses administered; estimated uptake nationally was 81.2% among an estimated immunocompromised population of 63,000. **NOTE:** This is an inflated estimate as are previously reported estimates for this cohort for the current Winter 2024 campaign. This stems from the fact that the immunocompromised status details in the person-based extract upon which this report is based, appears to have been drawn down from the IIS/COVAX database at the account level rather than at the vaccination record level. With the latter it should be possible to identify immunocompromised individuals more accurately at the time of their most recent COVID-19 vaccination. The matter is currently under investigation by the IIS team.
- **Pregnant women:** 940 booster doses administered aged 18-59 years; uptake nationally was 4.2% among an estimated target pregnant population of 22,790
- **Healthcare workers (HCWs):** 18,285 booster doses administered; uptake was highest in Co. Dublin at 43.6% and in Co. Cork at 10.8% of the booster doses administered; uptake nationally was 7.3% among an estimated HCW population of 250,000
- **LTCF residents:** 23,783 booster doses have yet been administered; uptake was highest in Co. Dublin at 29.3% and in Co. Cork at 12.6% of the booster doses administered; uptake nationally was 95.1% among an estimated LTCF resident population of 25,000. **NOTE:** This is likely to be an inflated estimate as are previously reported estimates for this cohort for the current Winter 2024 campaign. An uptake of 69% up the end of the previous week among Fair Deal LTCF residents in a separate analysis would suggest that the actual denominator is probably closer to 34,000.

# COVID-19 Booster Doses by Age Group and Target Group between 16/09/2024 and 17/11/2024 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 17/11/2024	Course2	Booster	11	28	13286	113777	141870	95400	351047	364372	1741	22038	948	18285	450086
01/10/2024 to 17/11/2024	Course2	Booster	1	2	908	8440	7561	4921	20922	21833	121	1239	94	1355	29039

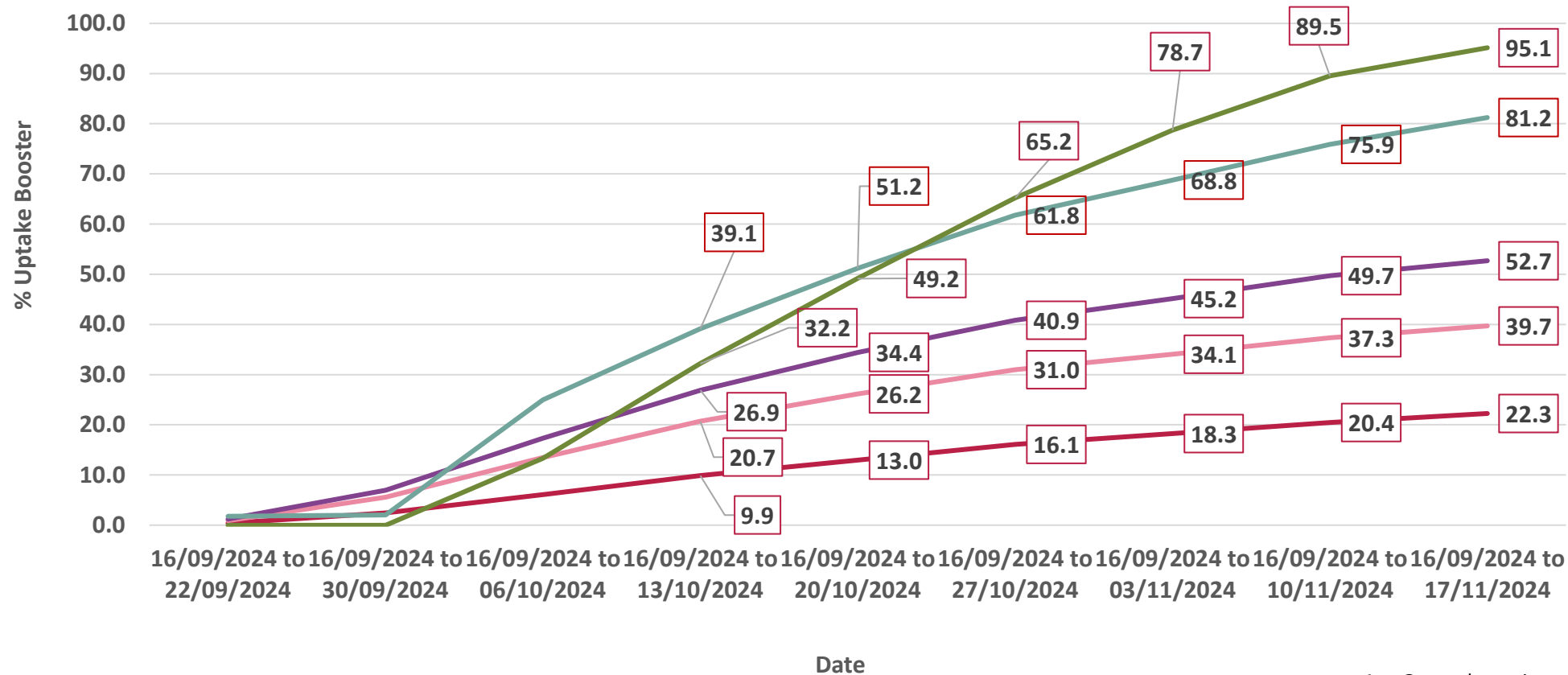
\* See CAVEATS on slide # 5

# COVID-19 Booster Doses by Age Group between 16/09/2024 and 17/11/2024 inclusive

Age Group	No. Boosters	Census 2022 Population/Other denominator estimates	No. Booster doses % Uptake Population Census 2022/Other denominator estimates
All Ages	450086	5149139	8.7
6months+	450086	5120241	8.8
6months-49yrs	52435	3424088	1.5
5+yrs	450075	4853724	9.3
12+yrs	450013	4361794	10.3
12-17yrs	670	431222	0.2
18+yrs	449343	3930572	11.4
50+yrs	397651	1696153	23.4
60+yrs	351047	1048985	33.5
50-69yrs	160381	1157982	13.9
65+yrs	300826	776315	38.8
70+yrs	237270	538171	44.1
12-69yrs	212743	3823623	5.6
6months-4yrs	11	266517	0.0
5-11yrs	62	491930	0.0
12-59yrs	98966	3312809	3.0
60-69yrs	113777	510814	22.3
70-79yrs	141870	357144	39.7
80+yrs	95400	181027	52.7
Immunocompromised 6months+	51171	63000	81.2
HCWs	18285	250000	7.3
Pregnant women	948	22790	4.2
LTCF residents	23782	25000	95.1

\* See CAVEATS on slide # 5

# Percentage of Winter 2024 COVID-19 Booster Doses by Age Group and Other Specific Target Groups by Week administered between 16/09/2024 and 17/11/2024 inclusive \* See CAVEATS on slide # 5

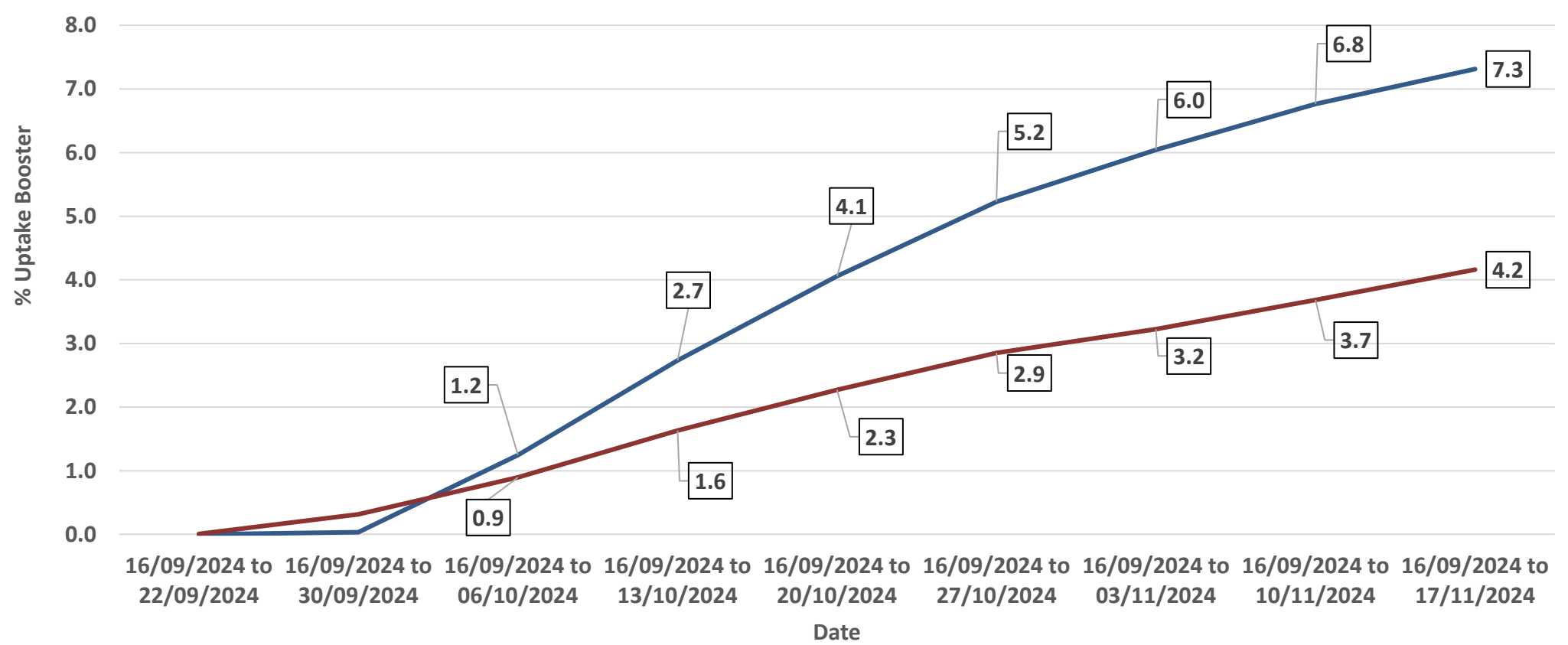


— 60-69yrs — 70-79yrs — 80+yrs — Immunocompromised 6months+ — LTCF residents

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 17/11/2024 inclusive

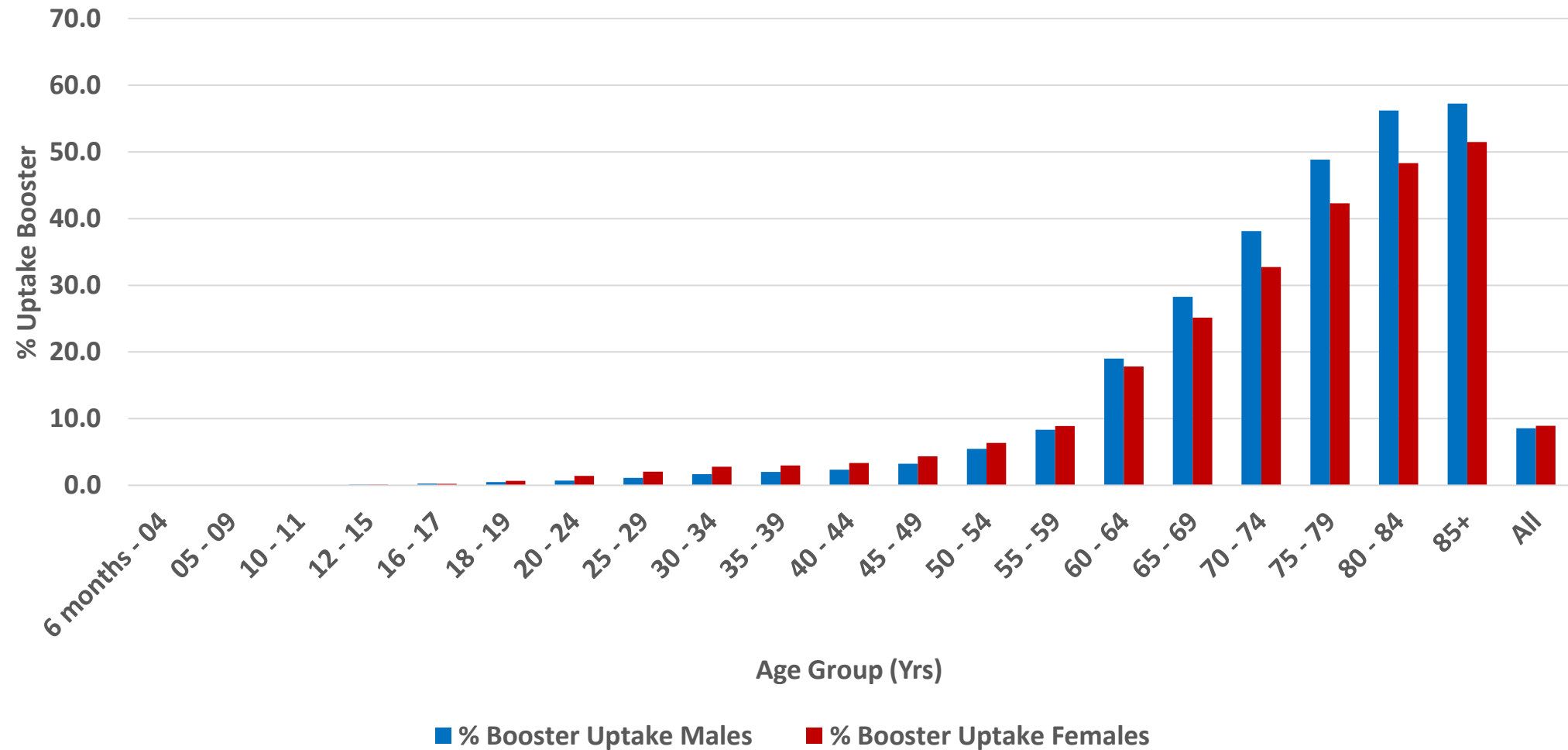


— HCWs

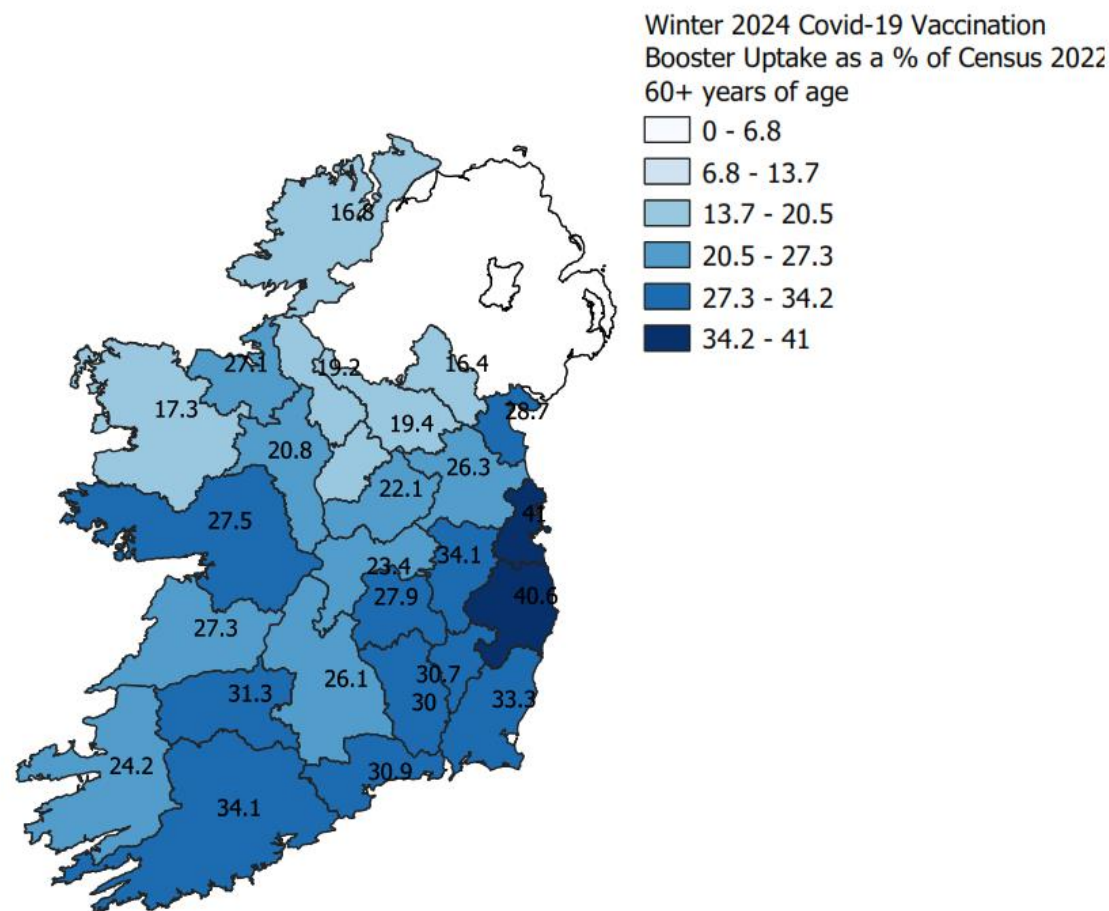
— Pregnant women

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 17/11/2024 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 17/11/2024 inclusive

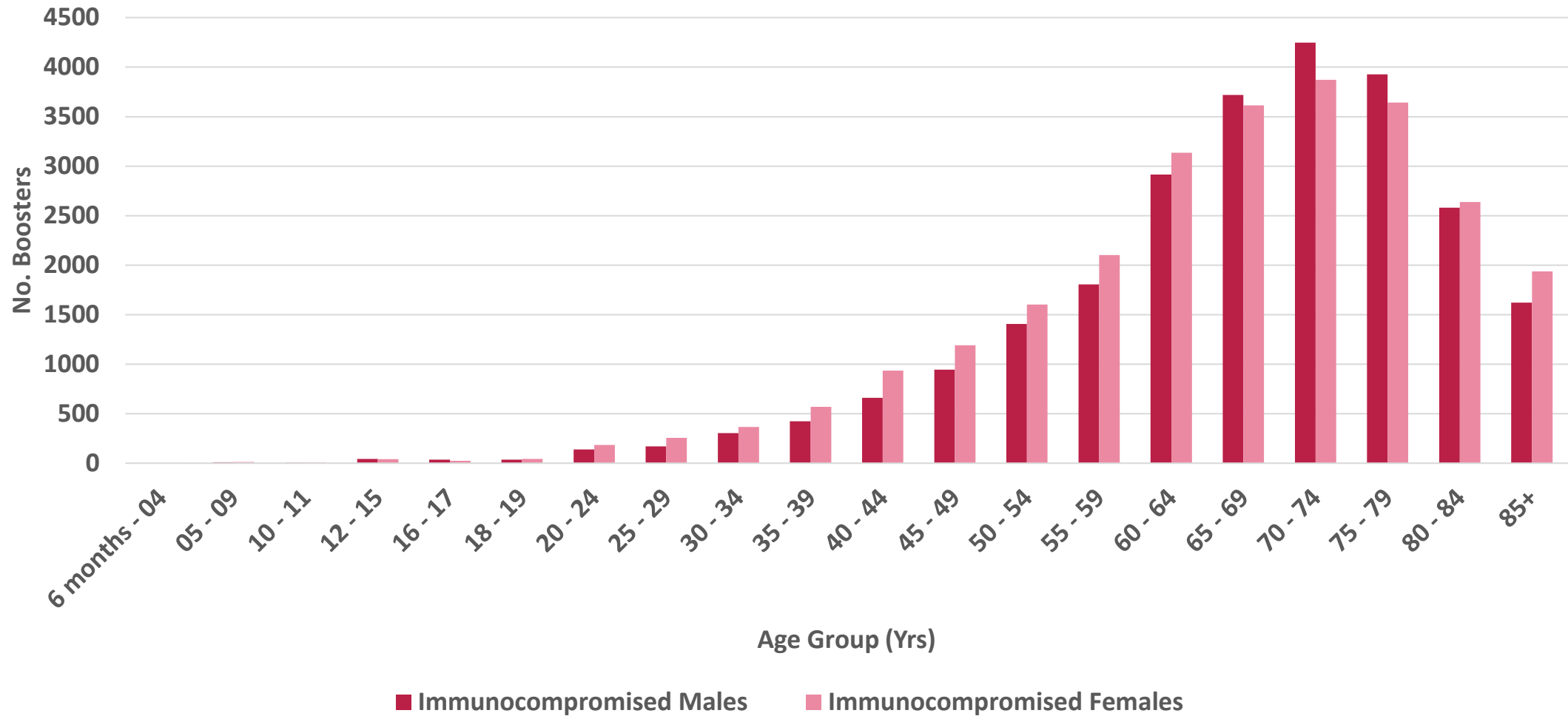


# Number of COVID-19 Winter 2024 booster doses administered to HCWs by age group and staff category administered between 16/09/2024 and 17/11/2024 inclusive

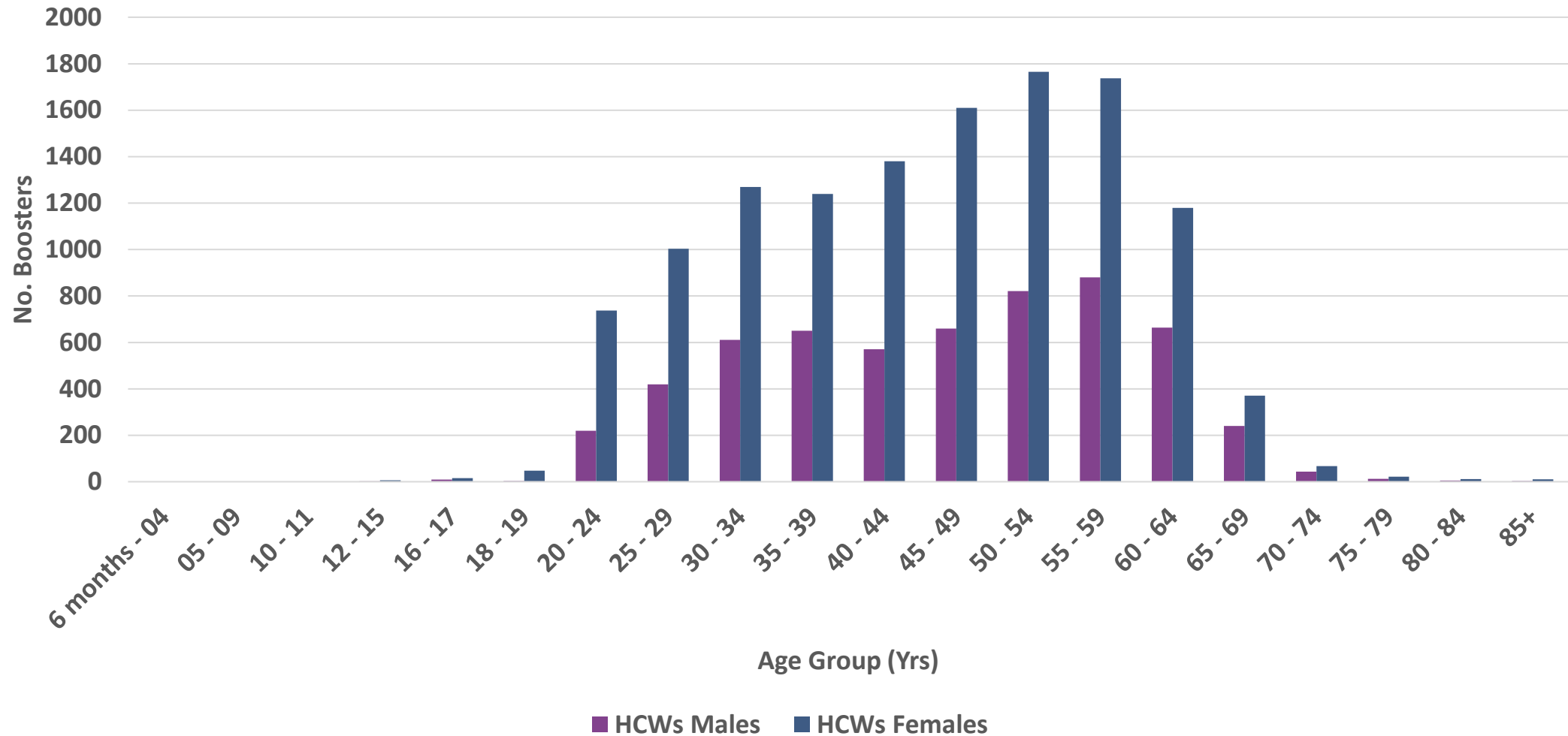


Occupation	<18	18-59	60-69	70-79	80+	Total	% of Total
General Support Staff	0	835	303	17	2	1157	6.3
Health & Social Care Professionals	0	3609	406	30	1	4046	22.1
Management & Administration Staff	0	2038	527	15	2	2582	14.1
Medical & Dental	0	3273	275	15	2	3565	19.5
Nursing & Midwifery	2	3293	451	13	0	3759	20.6
Patient Client Care Staff	0	864	186	10	2	1062	5.8
General	0	134	64	5	1	204	1.1
Retired	0	0	7	0	0	7	0.0
Other	0	314	54	7	0	375	2.1
Not specified	31	1264	181	33	19	1528	8.4
<b>Total</b>	<b>33</b>	<b>15624</b>	<b>2454</b>	<b>145</b>	<b>29</b>	<b>18285</b>	<b>100.0</b>

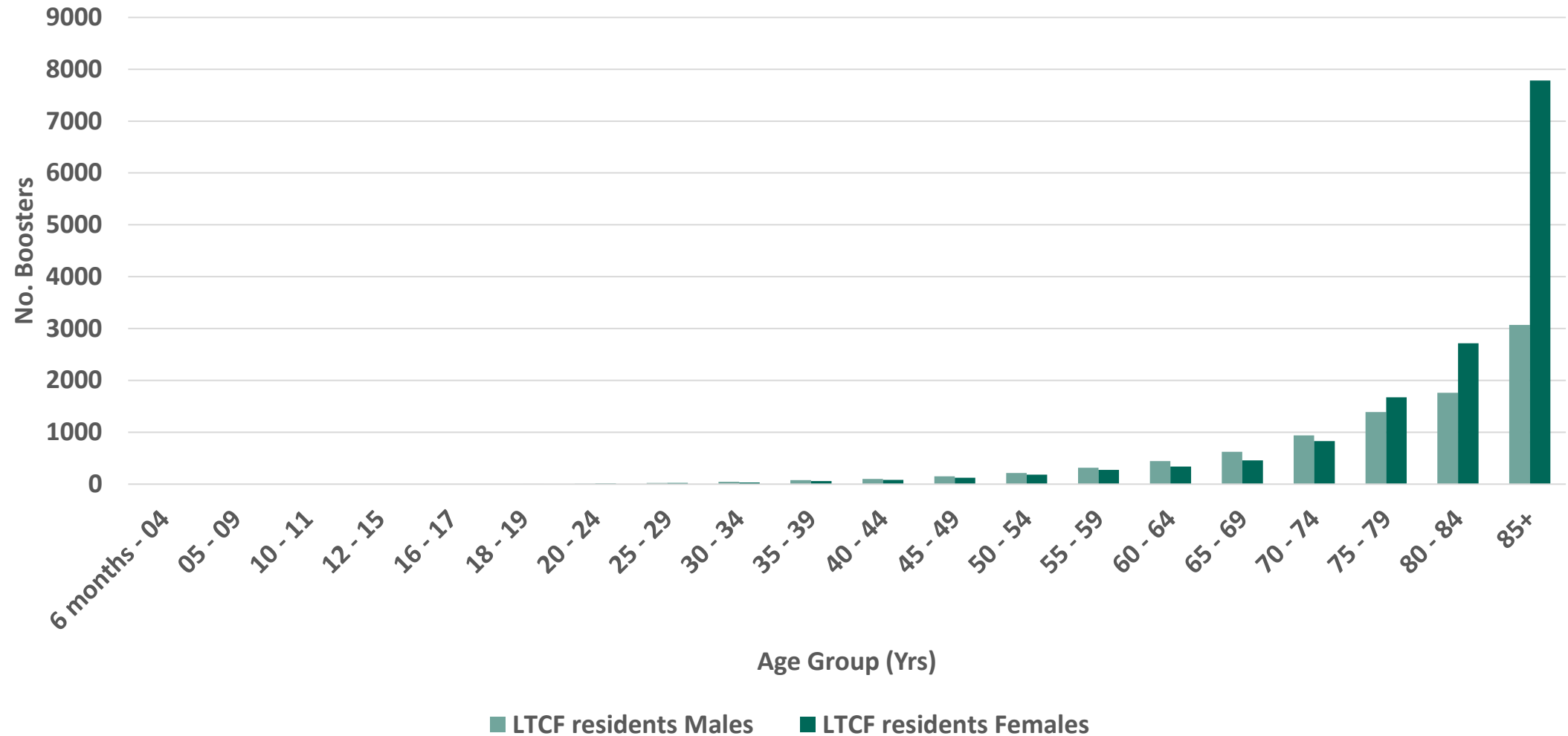
# Number of COVID-19 Winter 2024 booster doses among immunocompromised\* by age and gender administered between 16/09/2024 and 17/11/2024 inclusive \* See CAVEATS on slide # 5



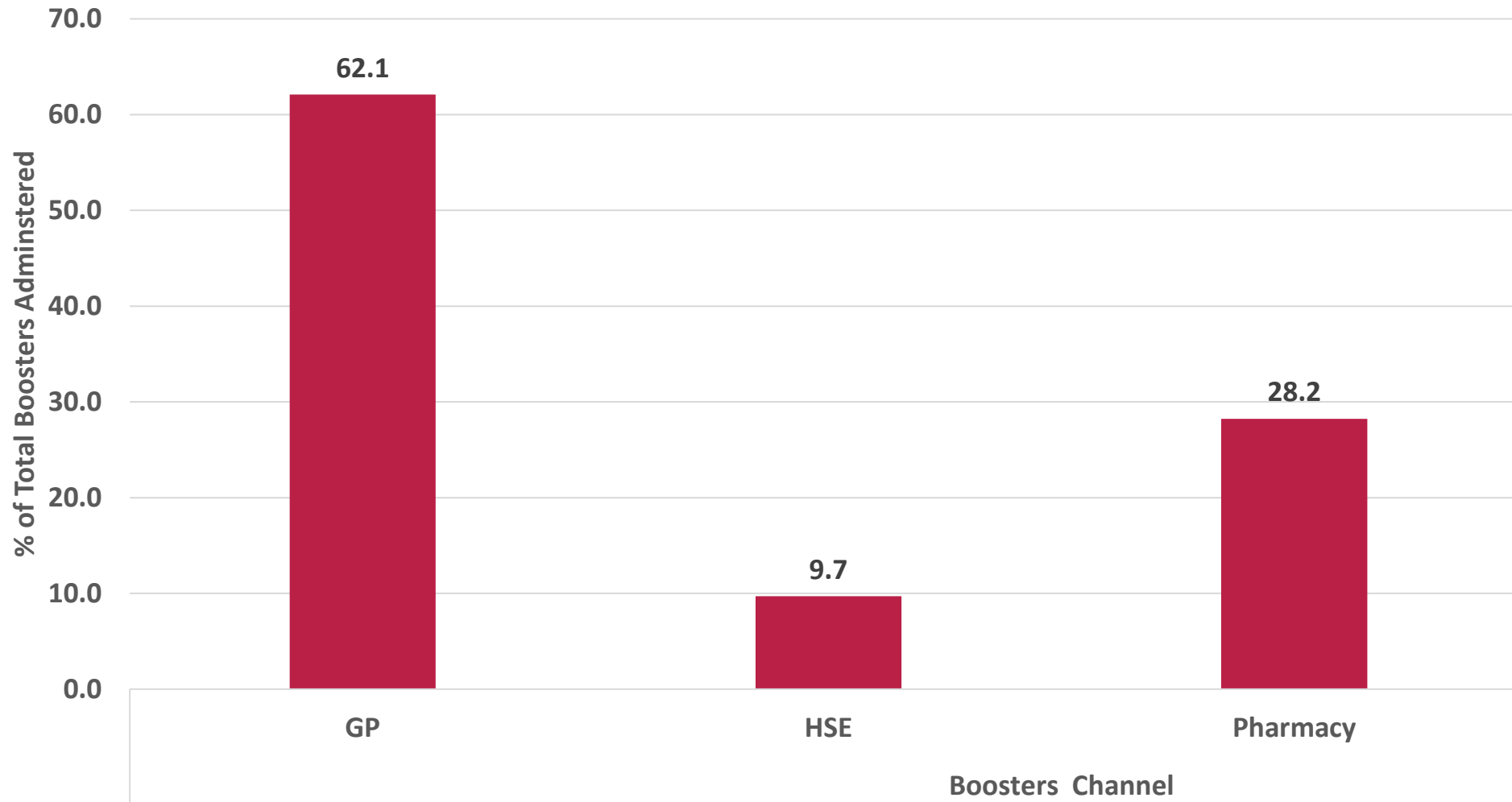
# Number of COVID-19 Winter 2024 booster doses among HCWs by age and gender administered between 16/09/2024 and 17/11/2024 inclusive



# Number of COVID-19 Winter 2024 booster doses among RCF residents by age and gender administered between 16/09/2024 and 17/11/2024 inclusive



# Percentage of Winter 2024 COVID-19 Booster Doses by Distribution Channel administered between 16/09/2024 and 17/11/2024 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 completed 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



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## **Uptake of Winter 2024 Booster & Seasonal Influenza 2024 doses by HSE HCWs between 16/09/2024 to 10/11/2024**

- In total **108,127** records for **HSE healthcare workers** were included in the analysis.
- **Overall uptake** by end of **10/11/2024**
  - **9,264** received **COVID-19 vaccine**, an uptake of **8.6%**
  - **24,132** received **influenza vaccine**, an uptake of **22.3%**
- Amongst those who received a vaccine:
  - 8,746 (8.1%) received both COVID-19 and influenza vaccine
  - 518 (0.5%) received COVID-19 vaccine only
  - 15,386 (14.2%) received influenza vaccine only
- 83,477 (77.2%) did not receive any COVID-19 or influenza vaccine
  - 98,863 (91.4%) did not get a COVID-19 vaccine
  - 83,995 (77.7%) 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 10/11/2024



526 residential care facilities were identified from a matched dataset.

## Influenza Vaccination Uptake

- **Between 16/09/2024 and 10/11/2024, overall uptake among Fair Deal residents was 77.0% (n=18,342/23,821)**
  - 21 locations (4.0%) where no vaccinations were reported, or uptake was  $\leq 10\%$
  - 7 locations (1.3%) had an uptake  $\geq 10\%$  and  $< 50\%$
  - 110 locations (20.9%) had an uptake  $\geq 50\%$  and  $< 75\%$
  - 285 locations (54.2%) had an uptake  $\geq 75\%$  and  $< 90\%$
  - 93 locations (17.7%) had an uptake  $\geq 90\%$  and  $< 100\%$
  - 9 locations (1.7%) had an uptake of 100%

## COVID-19 Vaccination Uptake

- **Between 01/10/2024 and 10/11/2024, overall uptake among Fair Deal residents was 69.0% (n=16,425/23,821)**
  - 24 locations (4.6%) where no vaccinations were reported, or uptake was  $\leq 10\%$
  - 33 locations (6.3%) had an uptake  $\geq 10\%$  and  $< 50\%$
  - 208 locations (39.5%) had an uptake  $\geq 50\%$  and  $< 75\%$
  - 226 locations (43.0%) had an uptake  $\geq 75\%$  and  $< 90\%$
  - 34 locations (6.5%) had an uptake  $\geq 90\%$  and  $< 100\%$
  - No locations (0.0%) had an uptake of 100%