



# Report on COVID-19 deaths reported in Ireland

Report produced by Health Protection Surveillance Centre on 22/08/2023

This report includes data for COVID-19 cases notified on CIDR up to and including midnight on 19/08/2023 00:00:00 who have been notified as COVID-19 deaths

The [HPSC Epidemiology of COVID-19 Data Hub](#) provides a breakdown of notified deaths by county, age group and place of death. The Data Hub is updated each Wednesday.

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system on 22/08/2023 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously reported figures.

Table 1: Summary characteristics of COVID-19 deaths notified in Ireland with date of death from 23/07/2023 00:00:00 to 19/08/2023 00:00:00

Characteristics	Number of deaths	
Total number of deaths	22	
Age	Mean age (Years)	80
	Median age (Years)	83

The number of deaths described in the above table relate only to COVID-19 cases who died within this time period and whose death has been reported to CIDR up to 22/08/2023. It does not include deaths of COVID-19 cases reported to CIDR in the last four weeks but with an earlier date of death. It also does not reflect the final number of deaths occurring for this period as the outcome may not yet have occurred, or is yet to be reported to CIDR.

**Table 2: Summary characteristics of COVID-19 deaths in Ireland, cases with a date of notification from 01/03/2020 to 19/08/2023 00:00:00**

Characteristics		Number of Deaths	Percentage
<b>Total number of deaths</b>		9,136	
<b>Sex</b>	Female	4,244	46.5
	Male	4,892	53.5
	Unknown	0	0.0
	M:F ratio	1.15	
<b>Case classification*</b>	Possible	339	3.7
	Probable	179	2.0
	Confirmed	8,617	94.3
<b>Healthcare Worker</b>	Yes	23	0.3
	No	6,219	68.1
	Unknown	2,894	31.7
<b>Underlying Conditions</b>	Yes	6,655	72.8
	No	936	10.2
	Unknown	1,545	16.9
<b>ICU Admission</b>	Yes	974	10.7
	No	8,162	89.3

\* [Case definition](#)

**Table 3: Number and percentage of COVID-19 deaths and mortality rate per 100,000 in Ireland by age group, cases with a date of notification from 01/03/2020 to 19/08/2023 00:00:00**

Characteristics		Number of Deaths	Percentage	Mortality rate per 100,000
<b>Age</b>	Median Age (Years)	82		
	Mean Age (Years)	80		
<b>Age group</b>	<25 yrs	17	0.2	0.9
	25-34 yrs	31	0.3	4.7
	35-44 yrs	93	1.0	12.5
	45-54 yrs	230	2.5	36.7
	55-64 yrs	571	6.3	112.2
	65-74 yrs	1,478	16.2	395.7
	75-84 yrs	2,986	32.7	1519.6
	85+ yrs	3,724	40.8	5512.5
	Unknown	6	0.1	
	Total	9,136	100	191.9

Please note that due to the small number of persons who died due to COVID-19 in the age groups 0-25 years this information has been aggregated in order to protect patient confidentiality

**Table 4: Number and percentage of COVID-19 deaths and mortality rate per 100,000 in Ireland by county of notification, cases with a date of notification from 01/03/2020 to 19/08/2023 00:00:00**

County	Number of deaths	Percentage	Mortality rate per 100,000
Carlow	124	1.4	217.8
Cavan	182	2.0	238.9
Clare	227	2.5	191.1
Cork	843	9.2	155.3
Donegal	330	3.6	207.3
Dublin	2,858	31.3	212.1
Galway	341	3.7	132.1
Kerry	208	2.3	140.8
Kildare	486	5.3	218.4
Kilkenny	169	1.8	170.3
Laois	155	1.7	183.0
Leitrim	53	0.6	165.4
Limerick	414	4.5	212.4
Longford	66	0.7	161.5
Louth	340	3.7	263.8
Mayo	390	4.3	298.8
Meath	301	3.3	154.3
Monaghan	142	1.6	231.3
Offaly	147	1.6	188.6
Roscommon	141	1.5	218.5
Sligo	74	0.8	112.9
Tipperary	224	2.5	140.4
Waterford	224	2.5	192.8
Westmeath	162	1.8	182.5
Wexford	287	3.1	191.7
Wicklow	248	2.7	174.1

**Table 5: Place of death for COVID-19 deaths in Ireland, cases with a date of notification from 01/03/2020 to 19/08/2023 00:00:00**

Place of death	Number of deaths	Percentage
Hospital	5,088	55.7
Residential Institution*	2,630	28.8
Hospice	142	1.6
Home	562	6.2
Other	163	1.8
Unknown	551	6.0

\*Residential institution includes: community hospital/long stay unit, homeless facility, mental health facility and nursing homes.

**Table 6: Summary of COVID-19 deaths linked to outbreaks in Ireland, cases with a date of notification from 01/03/2020 to 19/08/2023 00:00:00**

		Number of Deaths	Percentage of total deaths	Percentage of deaths linked to outbreaks
<b>Total number of deaths</b>		9,136	100.0	
<b>Deaths linked to outbreaks</b>		4,513	49.4	100.0
<b>Outbreaks by location</b>	Nursing homes	2,715	29.7	60.2
	Hospital	1,174	12.9	26.0
	Community Hospitals/Long-stay units	215	2.4	4.8
	Residential institutions	133	1.5	2.9
	Other locations*	276	3.0	6.1

\* Other locations include community outbreak, extended family, hotel, other, other healthcare service, private house, public house, religious/other ceremony, workplace

A death linked to an outbreak in a particular setting does not of itself indicate that transmission occurred within that setting. A case may be detected as part of an outbreak investigation, and associated with an outbreak, despite exposure and transmission having occurred elsewhere.

**Table 7: Number of COVID-19 deaths in Ireland by month of death, cases with a date of notification from from March 2020 to August 2023**

Year	Month	Number of deaths *
2020	March	129
2020	April	1,158
2020	May	362
2020	June	67
2020	July	17
2020	August	7
2020	September	39
2020	October	132
2020	November	190
2020	December	193
2021	January	1,424
2021	February	894
2021	March	258
2021	April	104
2021	May	45
2021	June	22
2021	July	22
2021	August	95
2021	September	193
2021	October	240
2021	November	268
2021	December	260
2022	January	328
2022	February	225
2022	March	344
2022	April	365
2022	May	132
2022	June	120
2022	July	199
2022	August	127
2022	September	73
2022	October	139
2022	November	140
2022	December	207
2023	January	198
2023	February	69
2023	March	76
2023	April	83
2023	May	85
2023	June	51
2023	July	30
2023	August	11

Number of deaths for August 2023 is incomplete.

\* Date of death reported for 9,121 of the deaths.

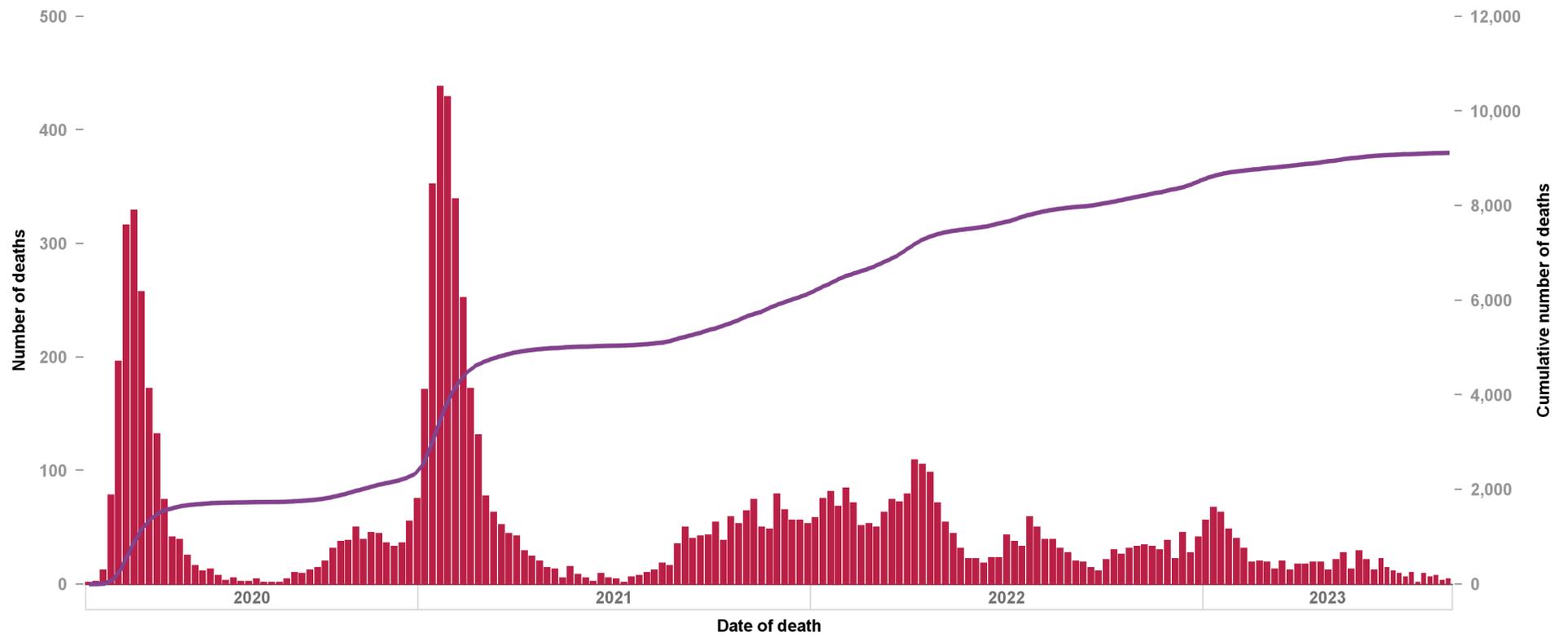


Figure 1: Total number of COVID-19 deaths in Ireland and cumulative number by week of death, cases with a date of notification from 01/03/2020 to 19/08/2023 00:00:00. Date of death reported for 9,121 of deaths.

## **Acknowledgments**

Sincere thanks are extended to all those who are participating in the collection of data and reporting of data used in these reports. This includes the HSE COVID-19 Contact Management Programme (CMP), staff in ICU units, notifying clinicians, laboratory staff, public health doctors, nurses, surveillance scientists, microbiologists and administrative staff.

**Report prepared by COVID-19 Epidemiology Team, HPSC**

## Technical Notes

### 1. Data Source

Data are based on statutory notifications and were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:33 on 22/08/2023. Data are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

### 2. Population Data

Population data were taken from Census 2016. Data were aggregated into the following age groups for the analysis of deaths for the entire pandemic: 0-24 years, 25-34 years, 35-44 years, 45-54 years, 55-64 years, 65-74 years, 75-84 years and  $\geq 85$  years. Data were aggregated into the following age groups for the analysis of deaths with date of death in the past 7 days: 0-64 years, 65-74 years, 75-84 years and  $\geq 85$  years.

### 3. Definition of a COVID-19 death used by HPSC

For surveillance purposes, COVID-19 deaths include deaths in all possible, probable and confirmed COVID-19 cases (as per the COVID-19 case definition) and all should be notified, unless there is a clear alternative cause of death that cannot be related to COVID-19 infection (e.g. trauma). There should be no period of complete recovery\* from COVID-19 between the illness and death. All COVID-19 deaths are notified regardless of the setting, including home, community and hospital settings. HPSC reports all deaths among these COVID-19 cases as outlined above and does not just confine the death reporting to those who die within 28 days of a positive test. This is in line with how COVID-19 cases are reported by the majority of European countries and follows WHO guidance for COVID-19 death surveillance.

\*Please note that discharge from ICU or hospital is not in itself evidence of recovery. To determine if the case had recovered, it should be based on clinical assessment or alternatively a period of  $\geq 3$  months must have elapsed since the case was initially diagnosed with COVID-19 and the case must have no evidence of COVID-19 infection prior to death as assessed by a clinician.

Deaths not reported as COVID-19 deaths:

1. Persons with COVID-19 may die directly due to accidents. Such deaths are not due to COVID-19 and should not be certified as such. This decision not to certify as COVID-19 death will be based on clinical judgement.
2. In some instances, a death due to COVID-19 may not be attributed to another disease (e.g. cancer) and would be counted as a COVID-19 death independently of pre-existing conditions that are suspected of triggering a severe course of COVID-19.

More resources:

[COVID-19 interim case definition](#)

[Epidemiology of COVID-19 in Ireland Frequently Asked Questions](#)