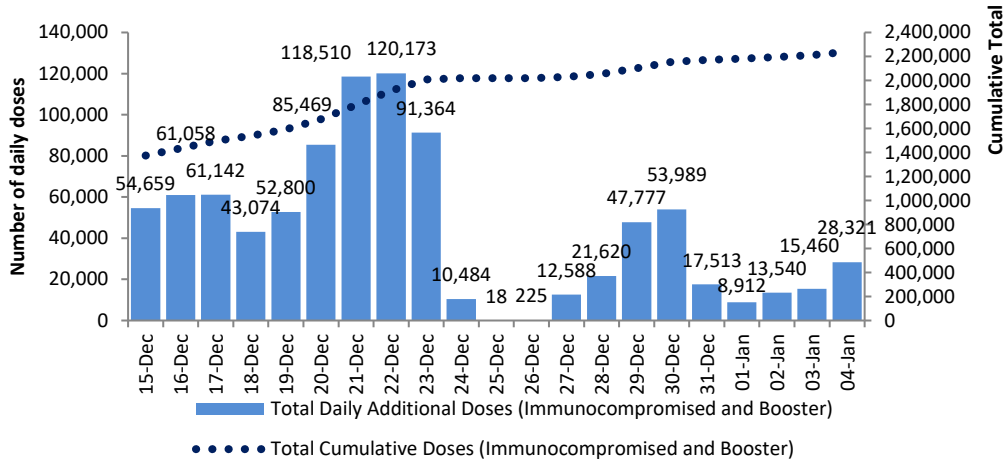


## COVID-19 Data Summary, Wednesday 5<sup>th</sup> January 2022

### Introduction:

As the Omicron Variant of Concern spreads, we will continue to monitor the situation closely to predict future pressures on the hospital system and to assess effectiveness of control measures.

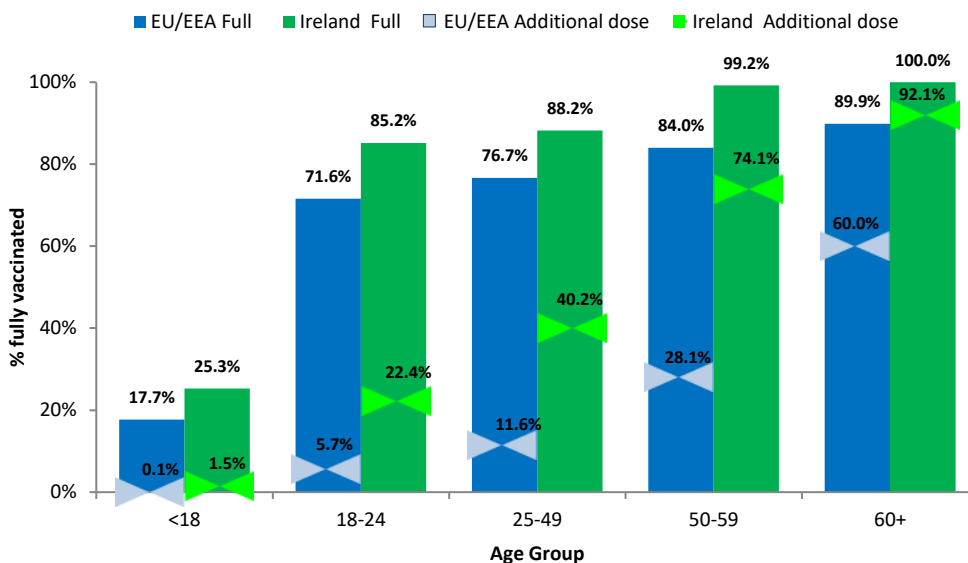
#### Daily doses of COVID-19 Additional vaccinations, 15<sup>th</sup> December-4<sup>th</sup> January



Up to 4<sup>th</sup> January **2,238,341 additional dose vaccinations** have been administered, 105,092 (4.7%) of which were administered to the immunocompromised.

In the latest week (29<sup>th</sup> Dec-4<sup>th</sup> Jan) 194,989 total doses were administered. 184,687 (94.7%) were additional doses (excl. Immunocompromised), 825 (0.4%) were administered to the immunocompromised and 9,477 (4.9%) were first, second or single doses.

#### Cumulative uptake of full vaccination by age group, Ireland & EU/EEA (4<sup>th</sup> January)

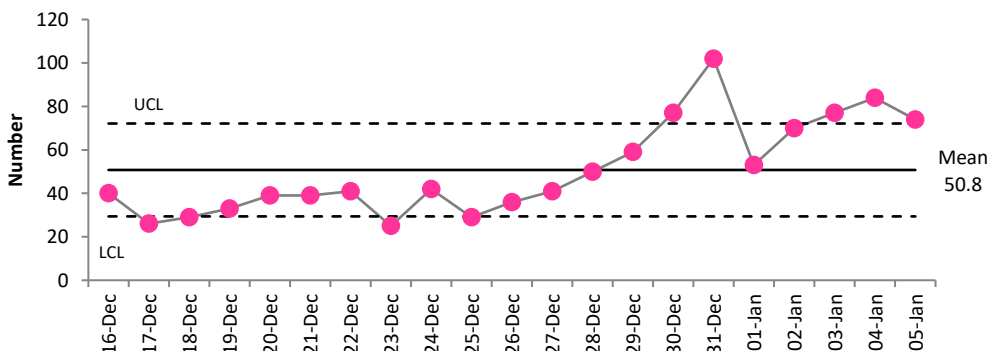


Data from ECDC shows that 79.7% of adults age 18+ in the EU/EEA have been fully vaccinated, with 68.3% of the total population (including children) fully vaccinated.

**Additional dose uptake is 57% of adults age 18+ for Ireland and 32.9% for the EU/EEA. 43.6% of the total population of Ireland has had an additional dose compared to 26.9% in the EU/EEA.**

Uptake rates vary significantly by age group, with Ireland having higher uptake rates across all age groups compared to the EU/EEA.

#### Number of hospital admissions of COVID positive patients during the previous 24 hours

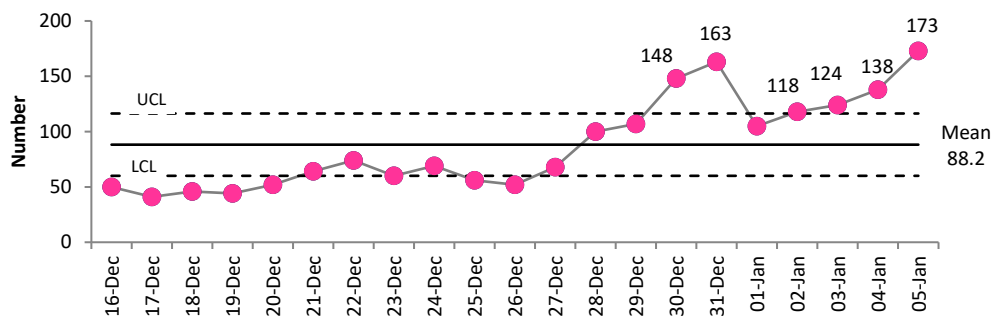


The SPC chart shows an **average of 50.8 admissions per day since 16<sup>th</sup> December.**

**All points exhibit special cause variation** (prior to Dec 28<sup>th</sup> below the mean and after Dec 28<sup>th</sup> above the mean), highlighting the **rapid increase in admissions over the last week.** 5 days in the last week exceed the upper control limit.

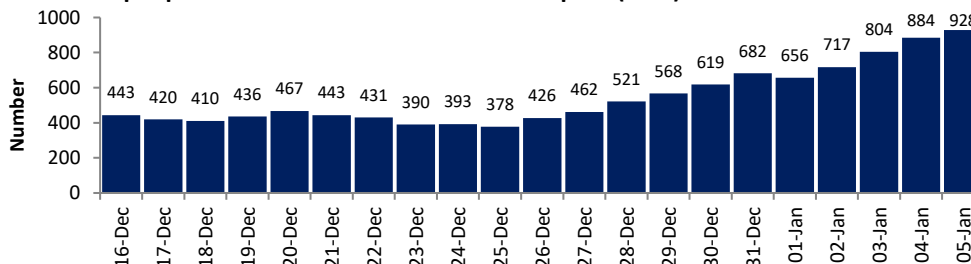
**74 admissions today.** A total of 537 admissions over the past 7 days (**up 90% on the previous week**).

### Number of new confirmed COVID cases in hospital, previous 24 hours



While the average number of admissions of COVID positive patients to hospital since 16<sup>th</sup> Dec is 50.8, there have been 88.2 new confirmed cases in hospital per day (includes admissions with known COVID, and cases with COVID diagnosed after admission). **The number of new cases in hospital has been higher than expected since 28<sup>th</sup> December and 5 out of the last 7 days exceed the upper control limit.**

### Number of people with confirmed COVID-19 in hospital (8am)

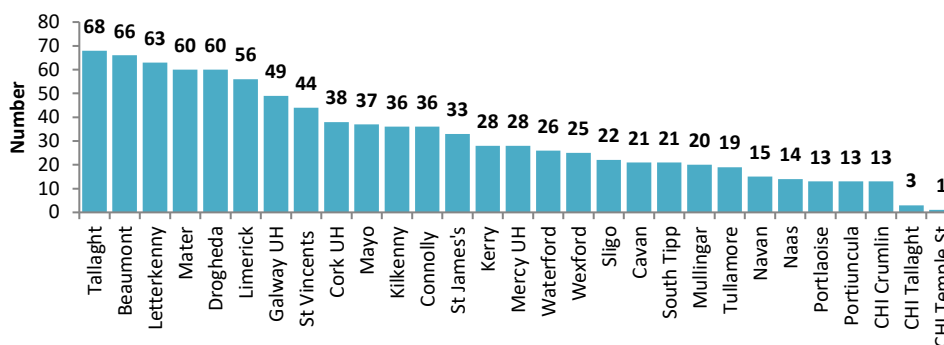


The number of people with COVID in hospital is rapidly increasing.

**Up 63% on the same day last week and up 138% on the same day two weeks ago.**

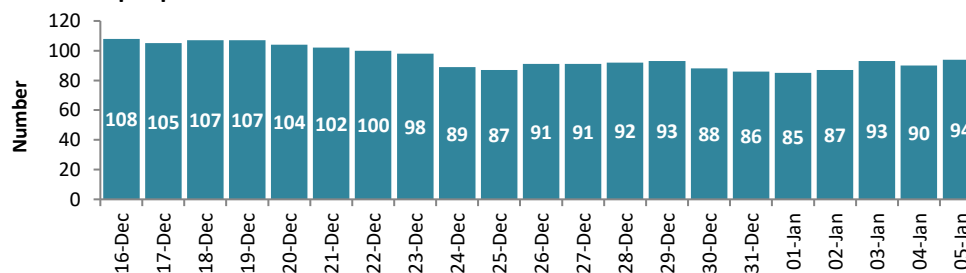
928 in hospital at 8am today

### Number of people with confirmed COVID-19 in hospital, by hospital (8am on 5<sup>th</sup> Jan)



Of the 928 people with confirmed COVID-19 in hospital, **Tallaght has the highest number (68 people)**, followed by Beaumont (66), Letterkenny (63), the Mater (60) and Drogheda (60).

### Number of people with COVID-19 in critical care

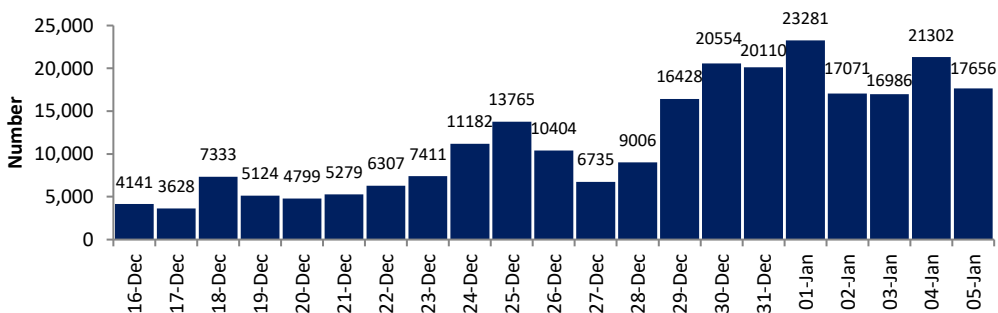


The number with COVID-19 in critical care is stable.

**Up 1% on this day last week and down 6% on two weeks ago.**

Currently 94 in ICU (**up 1 on the same day last week**). **7 new admissions today.**

### Number of new cases per day (last 3 weeks to 5<sup>th</sup> Jan)

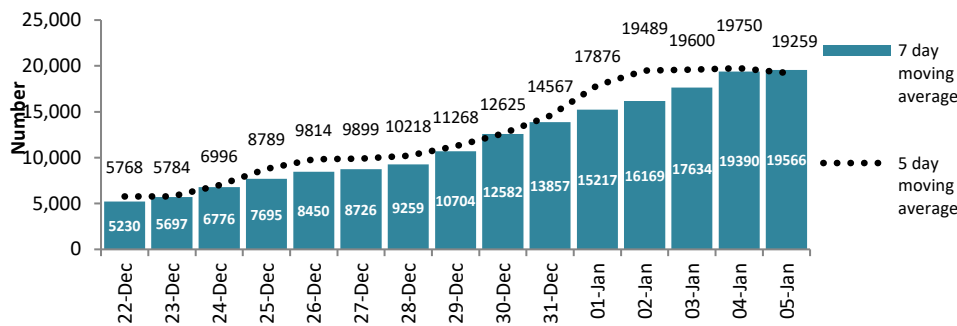


The number of cases fluctuates by day but has increased markedly over the past week.

**The number of new cases in the 7 days to 5<sup>th</sup> Jan is up 93% on the previous week and up 274% on two weeks ago.**

17,656 new cases on 5<sup>th</sup> Jan.

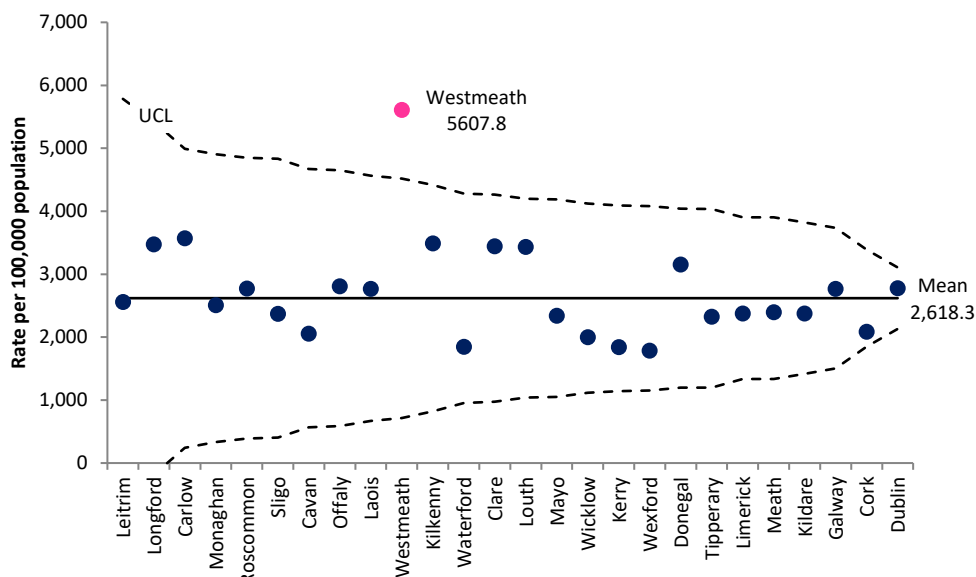
### 5 and 7 day moving averages of new cases per day (14 days to 5<sup>th</sup> January)



Compared to **last week** the **5 day average is up 71%** and the **7 day average is up 83%**.

Compared to previous 2 weeks, the **5 day average is up 234%** and the **7 day average is up 274%**.

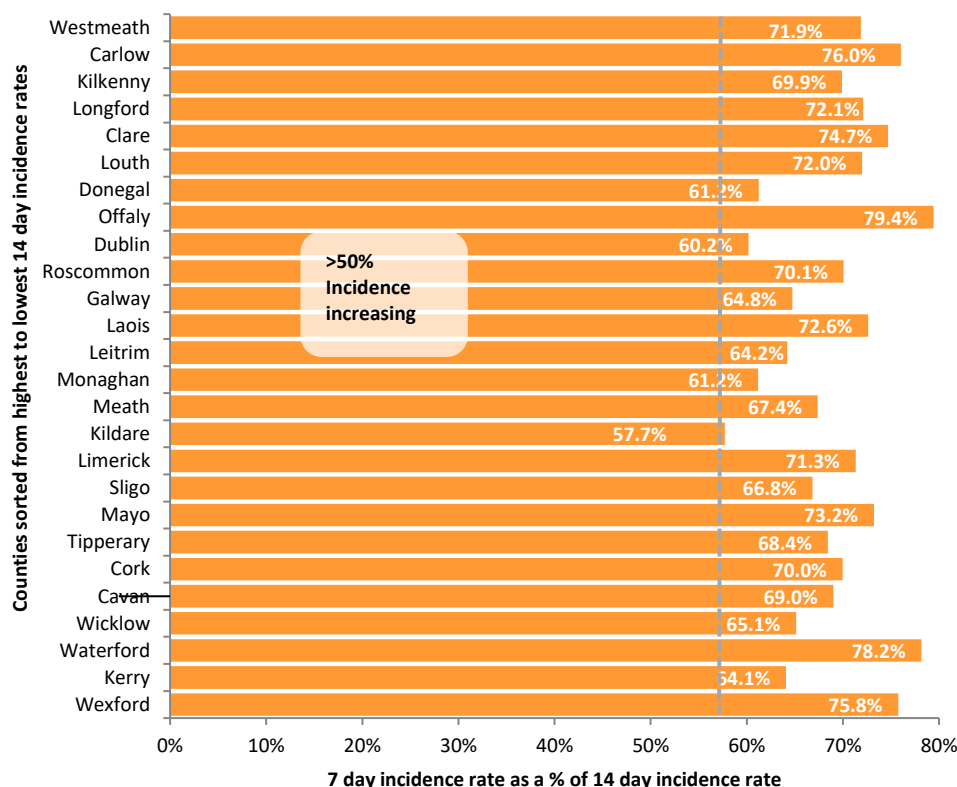
### 14-day incidence rate per 100,000 population by county notified from 22<sup>nd</sup> Dec- 4<sup>th</sup> Jan



The SPC funnel plot shows that the rates of new cases in all counties but Westmeath are within the expected range of variation when compared to the national average (2,618.3). The average increased compared to two weeks ago (1,356.5 two weeks ago).

Westmeath (5,607.8) has highest incidence rate and is higher than we would expect by chance alone.

### 7 day incidence rate as a percentage of 14 day rate, 22<sup>nd</sup> Dec- 4<sup>th</sup> Jan

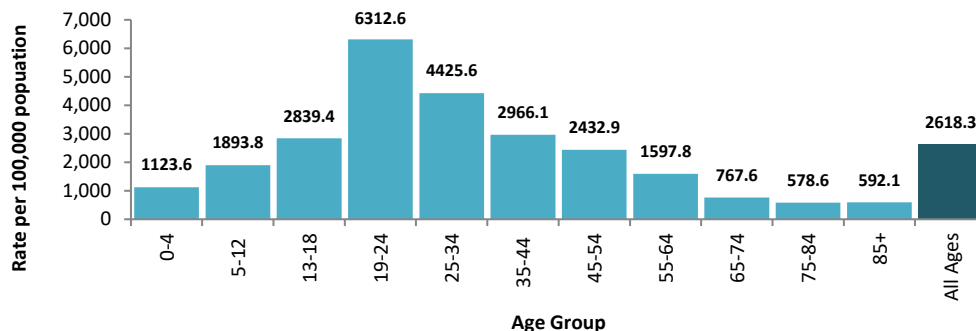


The 14 day incidence rate to 4<sup>th</sup> Jan is 2,618.3 per 100,000 population, while the 7 day incidence rate is 1,736.7. **The 7 day rate is more than half (66.3%) of the 14 day rate**; this means that there were **more new cases in the most recent 7 days** than in the previous 7 days.

At county level, the 7 day rates for **all 26 counties are more** than half of the 14 day rates.

This is a disimprovement compared to two weeks ago when 6 of the 26 counties were less than half of the 14 day rate.

### Rate of new cases per 100,000 population by age group notified over the 2 weeks to 4<sup>th</sup> Jan



Compared to the previous week the **overall 14 day incidence rate is up 93%**.

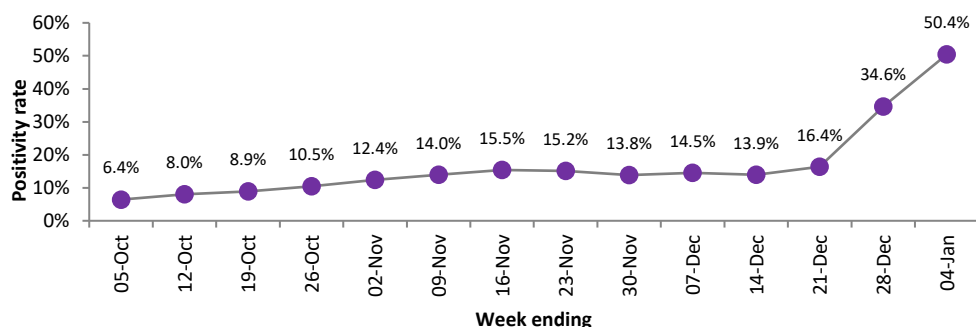
Incidence in all age groups increased.

**The 14 day incidence rate is highest among 19-24 year olds, with an increase of 192%.**

13-18 year olds (169%), 75-84 year olds (150%) and 25-34 year olds (124%), also exhibited triple digit growth.

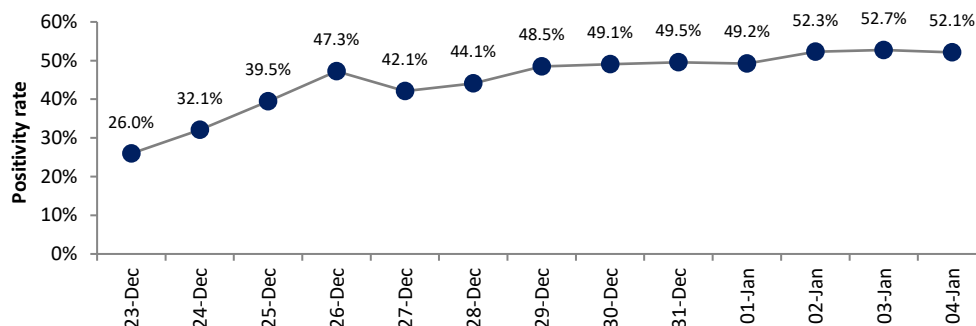
Growth was smallest amongst 0-4 year olds (16%) and 5-12 year olds (7%).

### Positivity rate for COVID-19 tests by week



**The positivity rate has increased sharply (more than tripling) over the last two weeks**, up from 16.4% for the week ending 21-Dec to 50.4% for the week ending 4<sup>th</sup> January. This is the highest weekly positivity rate we have experienced and is likely influenced by people coming forward with prior positive antigen tests.

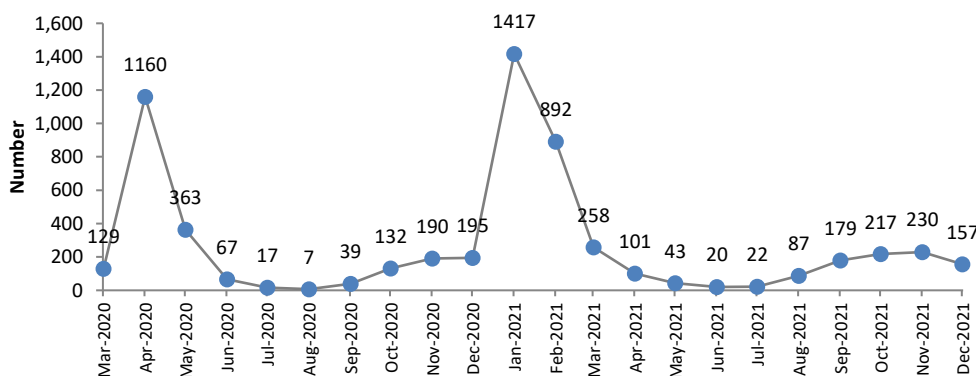
### Positivity rate for COVID-19 tests by day



**The daily positivity rate has grown rapidly** from 26% on 23<sup>rd</sup> Dec to 52.3% on 4<sup>th</sup> Jan.

The rate of growth of the daily positivity rate has slowed over the week ending 4<sup>th</sup> Jan and remained between the very high levels of 48% -53%, reflecting the weekly average of 50.4%.

### COVID-19 related deaths by month of death\*



5,952 COVID-19 related deaths were recorded between 1<sup>st</sup> March 2020 and 4<sup>th</sup> Jan 2022. Two main peaks were recorded in April 2020 and Jan 2021.

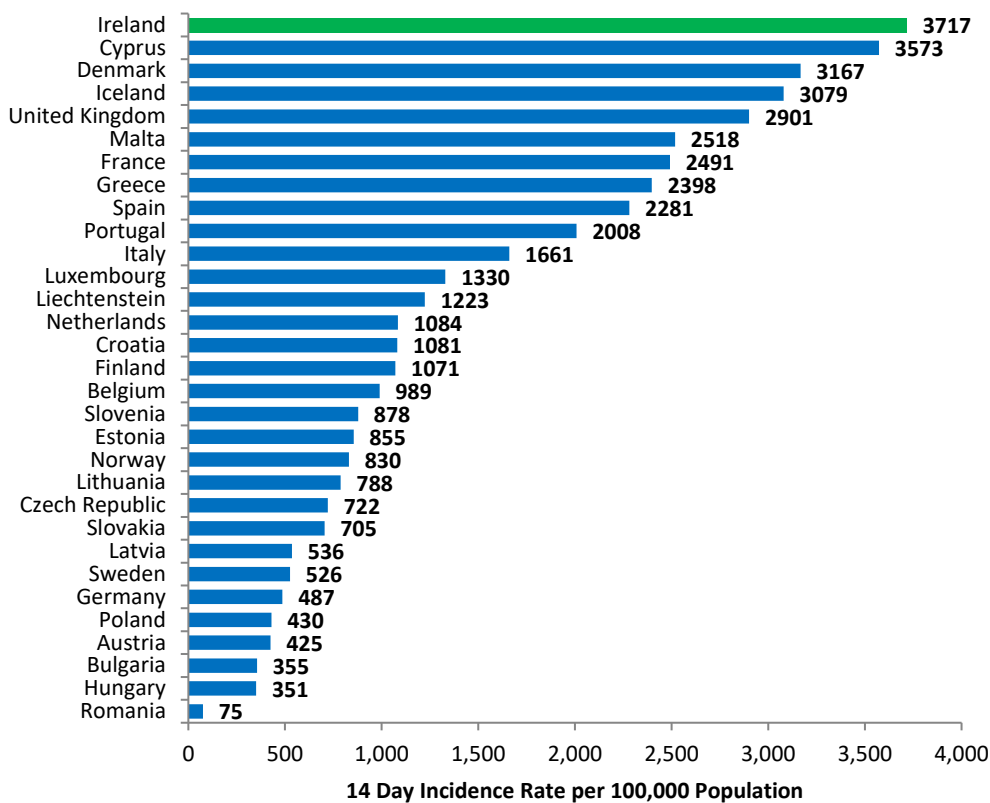
Median age 82, range 5-105.

5,032 (84.5%) had underlying conditions. 747 (12.6%) were admitted to ICU.

2,245 (37.7%) were linked to Nursing home outbreaks and 875 (14.7%) to hospital outbreaks

\*Date of death provided for 5,922 of 5,952 deaths

**14-day COVID-19 rates per 100,000 population EU/EEA & UK (WHO Data, 4<sup>th</sup> January)**



Data from the WHO on COVID incidence rates within Europe shows that **the 14 day incidence rate is the highest out of the 31 countries (2<sup>nd</sup> highest last week).**

The 14 day incidence rates in **19 of the 31 countries have increased compared to 2 weeks ago, including Ireland (up 187%).**

Rates have decreased in 11 countries and 1 is unchanged.

### Key trends & recent changes:

- In the **7 days up to 5<sup>th</sup> January** there were **136,960 new cases** reported; **up 83% on the previous week** (74,931 new cases in the 7 days up to 29<sup>th</sup> December). Compared to the previous week, the **5 day average is up 71% and compared to two weeks ago, up 274%).**
- **19.8% of new cases over the past 2 weeks were among children aged 0-18 years.** 57.9% of new cases over the past 2 weeks were among people aged 19-44 years. 18.7% of new cases were among people aged 45-64 years and 3.5% were among people aged 65 and over.

### **Hospital activity:**

- The number of patients with confirmed COVID currently **in hospital is up 63% compared to last week** (928 at 8am 5<sup>th</sup> January, 568 at 8am on 29<sup>th</sup> December).
- Over the past 7 days there have been **537 admissions of COVID positive patients to hospital** (an average of 76 per day), **up 90% on the previous week** (282 new admissions in the 7 days up to 29<sup>th</sup> December).
- Data from the NOCA ICU Bed Information System shows that the number of **confirmed COVID cases in ICU has increased by 1% compared to last week** (94 on 5<sup>th</sup> January, 93 on 29<sup>th</sup> December).

### **Cases admitted to ICU (15 and above) between 27<sup>th</sup> June 2021 and 25<sup>th</sup> December 2021**

- 697 people with COVID-19 were admitted to ICU between 27<sup>th</sup> June and 25<sup>th</sup> December
  - Of the 697:
    - 93 (13.5%) remain in ICU,
    - 387 (55.5%) were discharged alive, median length of stay 8 days (range 1-90)
    - 217 (31.1%) sadly died in ICU, median length of stay 11 days (range 1-62).
  - Median age of 59 years, range 15-88
  - 553 (79.3%) had one or more underlying conditions, 144 (20.7%) had no underlying conditions
    - Most frequent underlying conditions were hypertension (254), chronic heart disease (194) and chronic respiratory disease (163)
  - Pregnancy was reported in 25 cases
    - Median age 33 (range 25-43)

- 12 had underlying medical conditions
- 22 were unvaccinated, 2 had received one dose of a two dose regimen and 1 had received two doses of a two dose regimen

#### **Positivity rate:**

- The positivity rate has increased to an extremely high level, and is now considerably higher than during the peaks of the previous waves.
- Over the past 7 days (up to 5<sup>th</sup> December), 280,867 tests were completed, of which 34.9% were positive (78,184 positive tests). Of tests carried out in the community (i.e. excluding tests in acute hospitals), 50.4% were positive.
- Of the 35,368 tests completed yesterday (4<sup>th</sup> January), 18,433 (52.12%) were positive

#### **Outbreaks:**

- For the most recent week (ending 2<sup>nd</sup> January), there were 8 new outbreaks in acute hospitals reported (21 last week).
- There were 7 new outbreaks in nursing homes (8 last week).
- There was 1 new outbreak in community hospitals / long-term care facilities (1 last week).
- There was 1 outbreak in other healthcare services (13 last week).
- There were 22 new outbreaks in residential institutions (19 last week).
- There were 2 new outbreaks reported in schools (12 last week).
- There was 1 new outbreak associated with childcare facilities (2 last week).
- There were 4 outbreaks in vulnerable populations; 2 in direct provision centres and 2 associated with homelessness.
- There were 3 new outbreaks in workplaces Note data on outbreaks are provisional and subject to ongoing review, validations and updating.

#### **Conclusion:**

Cases are rapidly growing, across all age groups and all counties. Ireland now has the highest incidence in the EU/EEA & UK. Positivity rates continue to increase and demand for testing is high. Hospital admissions are also rapidly increasing, although ICU admission of COVID-19 positive patient remains stable for now. COVID-19 related deaths currently show no signal of increase. Ireland is leading the EU in booster vaccine rates across age groups.