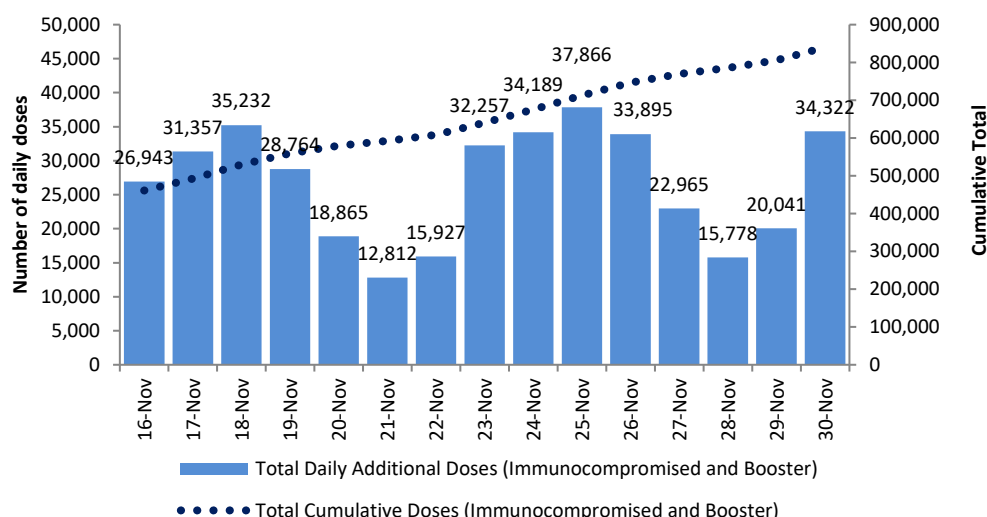


## COVID-19 Data Summary, Wednesday 01<sup>st</sup> December 2021

### Introduction:

As certain restrictions are introduced and case numbers rise we will continue to monitor the situation closely to predict future pressures on the hospital system and to assess effectiveness of control measures.

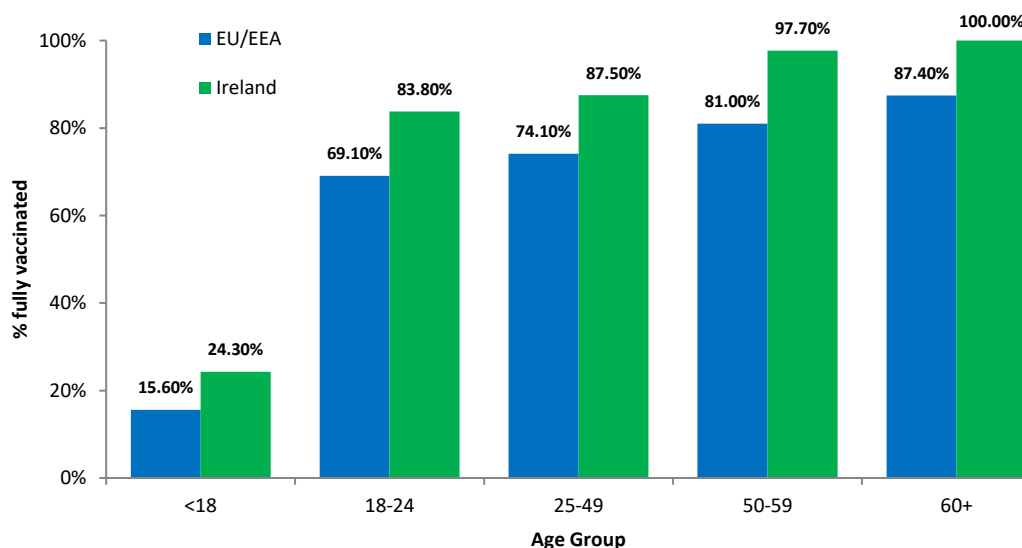
#### Daily doses of COVID-19 Additional vaccinations, 16<sup>th</sup>– 30<sup>th</sup> November



Up to 30<sup>th</sup> November **839,971 additional dose vaccinations** have been administered. 84,208 (10%) of which were administered to the immunocompromised.

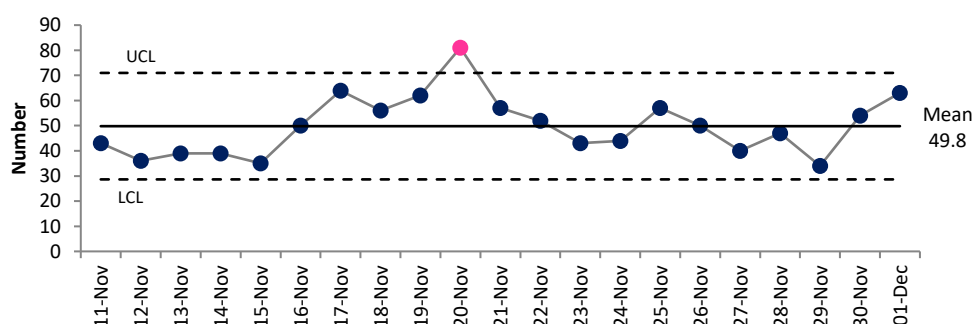
In the latest week (24<sup>th</sup>– 30<sup>th</sup> November) 219,351 total doses were administered. 190,757 (87%) were additional doses (excl. Immunocompromised), 8299 (4%) were administered to the immunocompromised and 20,295 (9%) were first, second or single doses.

#### Cumulative uptake of full vaccination by age group, Ireland & EU/EEA (1<sup>st</sup> December)



Data from ECDC shows that 77.4% of adults age 18+ in the EU/EEA have been fully vaccinated, with 66.2% of the total population (including children) fully vaccinated. Uptake rates vary significantly by age group, with Ireland having higher uptake rates across all age groups compared to the EU/EEA.

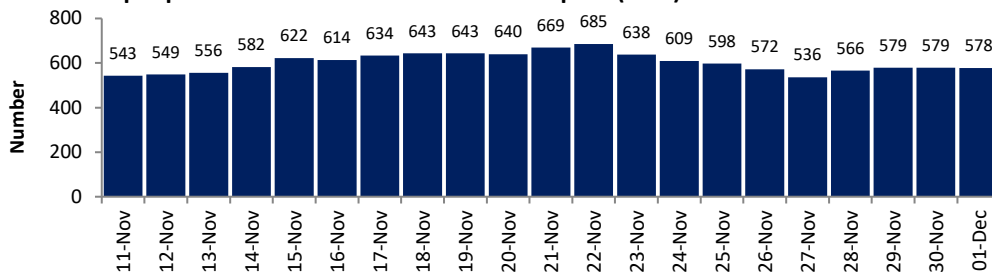
#### Number of hospital admissions of COVID positive patients during the previous 24 hours



The SPC chart shows relative stability in the number of new admissions of COVID positive patients over the past 3 weeks. An outlying value of 81 admissions on 20<sup>th</sup> November was recorded. 63 admissions today.

A total of 345 admissions over the past 7 days (**down 13% on the previous week**).

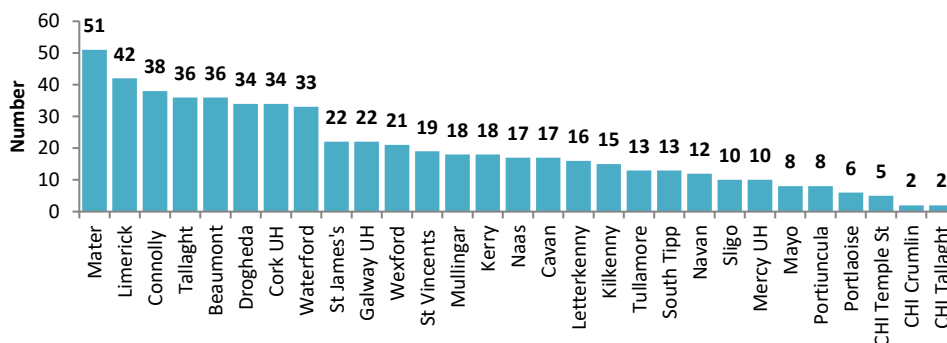
### Number of people with confirmed COVID-19 in hospital (8am)



The number of people with COVID in hospital fluctuates by day (usually higher at weekends), and is **stable over the last three weeks. Down 5% on the same day last week.**

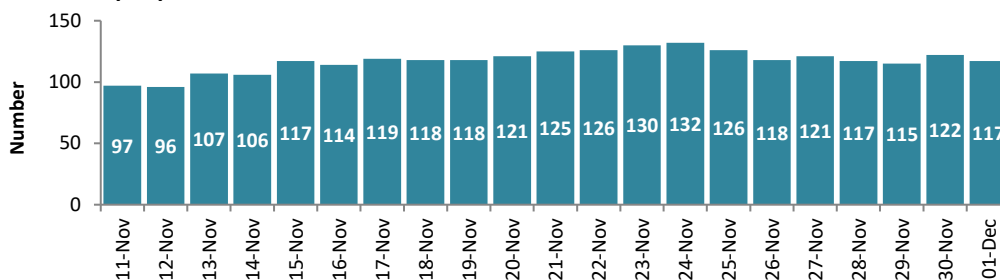
578 in hospital at 8am today.

### Number of people with confirmed COVID-19 in hospital, by hospital (8am on 1<sup>st</sup> Dec)



Of the 609 people with confirmed COVID-19 in hospital, **The Mater has the highest number (51 people)**, followed by the Limerick (42), Connolly (38), Tallaght (36), and Beaumont (36).

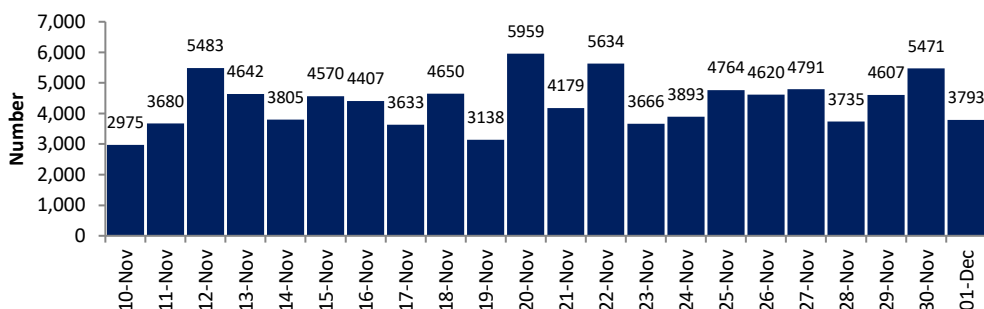
### Number of people with COVID-19 in critical care



The number with COVID-19 in critical care is showing signs of **stabilisation. Down 11% on this day last week and down 2% on two weeks ago.**

Currently 117 in ICU (**down 15 on the same day last week**). **6 new admissions today.**

### Number of new cases per day (last 3 weeks to 1<sup>st</sup> Dec)

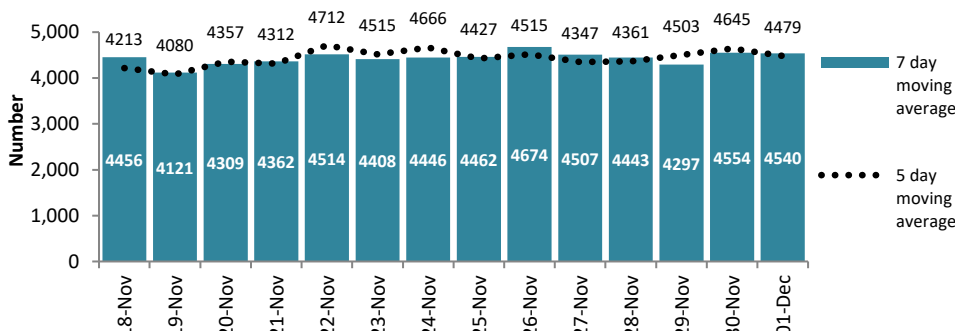


The number of cases fluctuates by day but has increased over the past week.

The **number of new cases in the 7 days to 1<sup>st</sup> Dec up 2% on the previous week.**

3,793 new cases on 1<sup>st</sup> Dec.

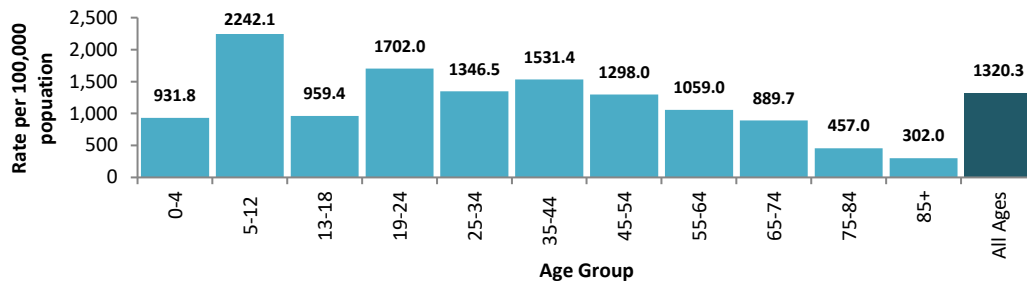
### 5 and 7 day moving averages of new cases per day (14 days to 1<sup>st</sup> Dec)



Compared to last week the **5 day average is down 4%** and the **7 day average is up 2%.**

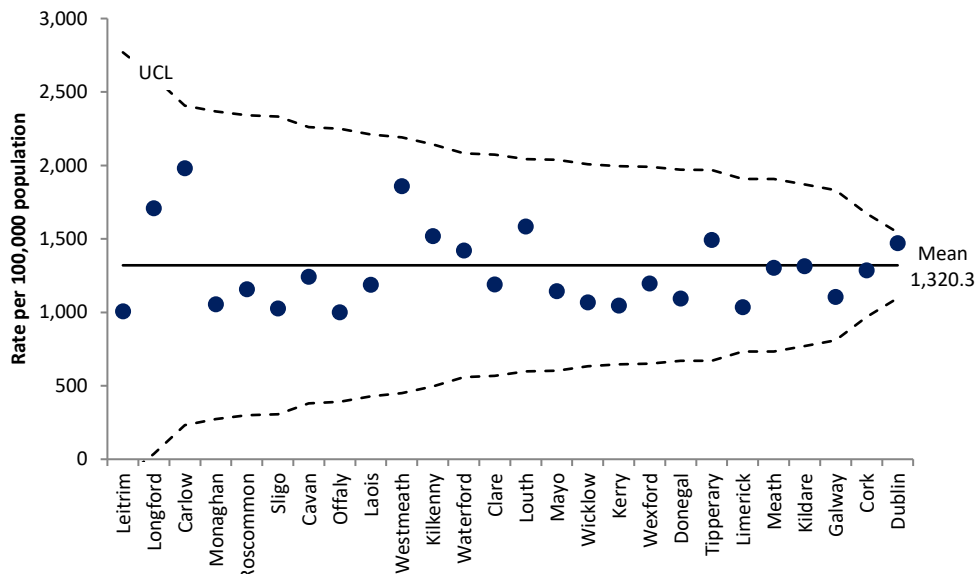
Compared to previous 2 weeks, the **5 day average is up 6%** and the **7 day average is up 5%.**

### Rate of new cases per 100,000 population by age group notified over the 2 weeks to 1<sup>st</sup> Dec



Compared to the previous week the **overall 14 day incidence rate is up 3%**. The 14 day incidence rate is **highest among 5-12 year olds (up 20% on previous week)** and 19-24 year olds (down 2% on last week). **Rates in 75-84 year olds (down 19%), 85+ (down 15%) also decreased strongly.** Rates in 55-64 (down 4%) and 65-74 (down 8%) also decreased.

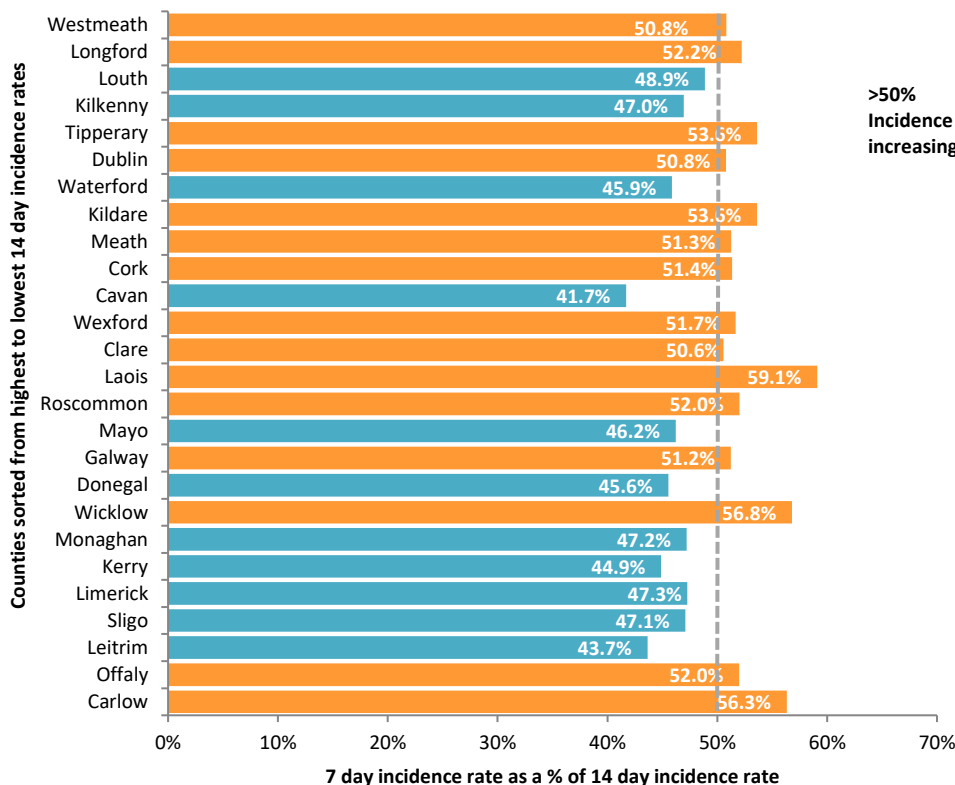
### 14-day incidence rate per 100,000 population by county notified from 17 – 30 Nov



The SPC funnel plot shows that the rates of new cases in all counties are within the expected range of variation when compared to the national average (1,320.3)

Westmeath (1859.9) and Carlow (1983.1) have a high incidence rate but are within the expected range of variation.

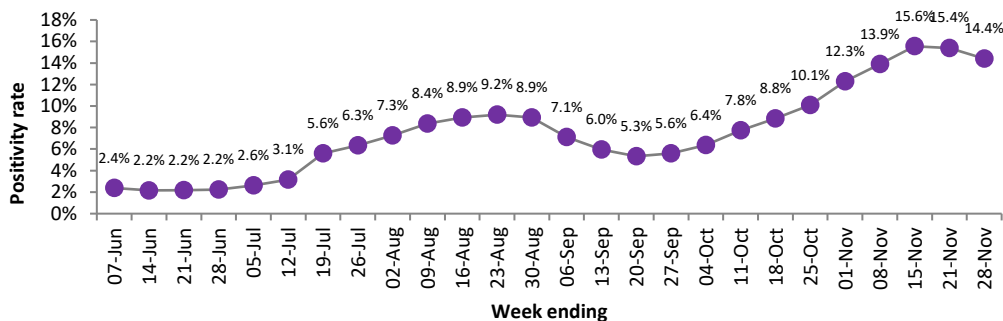
### 7 day incidence rate as a percentage of 14 day rate, 17– 30 Nov



The 14 day incidence rate to 30<sup>th</sup> Nov is 1320.3 per 100,000 population, while the 7 day incidence rate is 667.1. **The 7 day rate is more than half (50.53%) 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 **15 of the 26 counties are greater than half of the 14 day rates.** This is the same as on this day last week when 15 of the 26 counties were also greater than half of the 14 day rate.

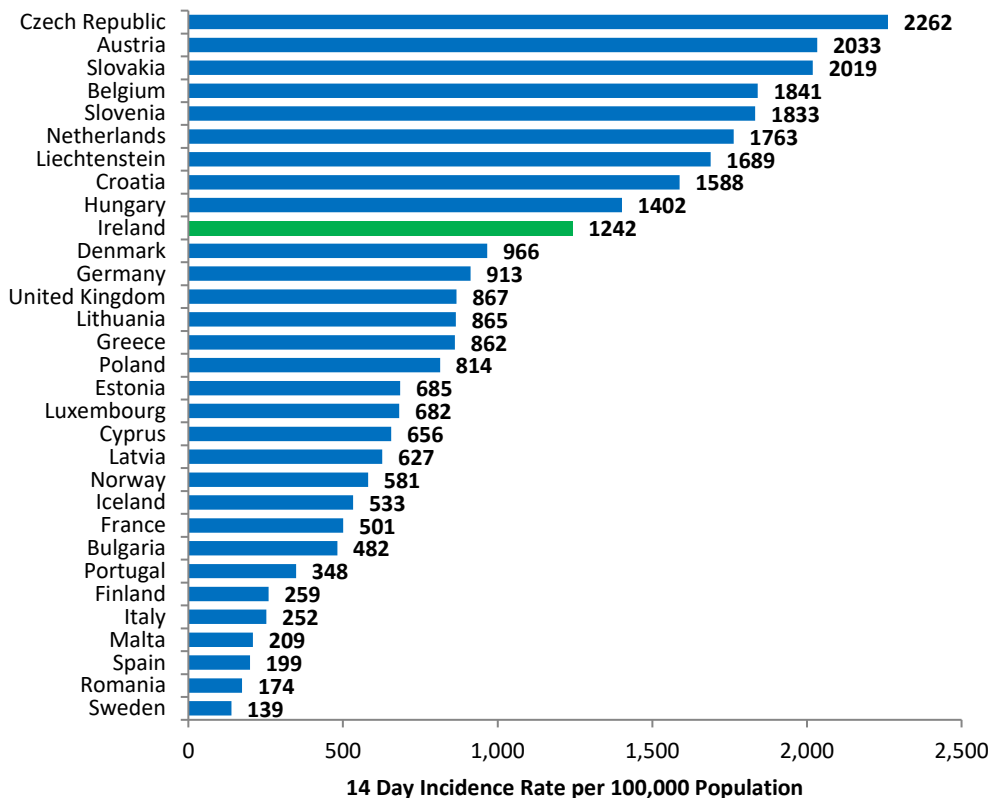
### Positivity rate for COVID-19 tests by week



Positivity rates have **trended upwards** since week ending 20<sup>th</sup> Sept.

This week (ending 28<sup>nd</sup> Nov) sees a **decrease in positivity rate from 15.4% last week to 14.4% this week.**

### 14-day COVID-19 rates per 100,000 population EU/EEA & UK (WHO Data, 1<sup>st</sup> December)



Data from the WHO on COVID incidence rates within Europe shows that **the 14 day incidence rate is the 10<sup>th</sup> highest out of the 31 countries (8<sup>th</sup> highest last week).**

The 14 day incidence rates in **23 of the 31 countries have increased compared to 2 weeks ago, including Ireland (up 17%).**

Rates have decreased in 8 countries.

### Key trends & recent changes:

- In the **7 days up to 1<sup>st</sup> November** there were **31,781 new cases** reported; **up 2% on the previous week** (31,119 new cases in the 7 days up to 24<sup>th</sup> November). Compared to the previous week, the **5 day average is down 4% and compared to two weeks ago, up 6%.**
- Variant B.1.1.529 (Omicron) has emerged as a variant of concern (26<sup>th</sup> November).**
  - This variant is marked by a **large number of mutations in protein spikes**. These have the potential to change the transmissibility and vaccine susceptibility of the virus.
  - The **ECDC report 44 confirmed cases of the Omicron Variant of Concern across 11 EU/EEA countries** (Austria, Belgium, Czechia, Denmark, France, Germany, Italy, the Netherlands, Portugal, Spain and Sweden) as of 30<sup>th</sup> November. Cases have been reported in 9 other countries outside of the EU/EEA including 12 cases in the UK.
  - Ireland has today confirmed 1 case of the Omicron variant**
- 30.2% of new cases over the past 2 weeks were among children aged 0-18 years.** 41.3% of new cases over the past 2 weeks were among people aged 19-44 years. 21.5% of new cases were among people aged 45-64 years and 7.0% were among people aged 65 and over.

### Hospital activity:

- The number of patients with confirmed COVID currently **in hospital is down 5% compared to last week** (578 at 8am on 1<sup>st</sup> December, 609 at 8am on 24<sup>th</sup> November).
- Over the past 7 days there have been **345 admissions of COVID positive patients to hospital** (an average of 49 per day), **down 13% on the previous week** (395 new admissions in the 7 days up to 24<sup>th</sup> November).
- Data from the NOCA ICU Bed Information System shows that the number of **confirmed COVID cases in ICU has decreased by 11% compared to last week** (117 on 1<sup>st</sup> November, 132 on 24<sup>th</sup> November).
- **The 14 days to 1<sup>st</sup> December:** Of 62,870 new cases notified in the 14 days to **1<sup>st</sup> Dec, 506 (0.8%) have been hospitalised** to date and **38 (0.1%) have been admitted to ICU**. Of these 506 hospitalised cases:
  - **39 (7.7%) were aged 0-18 years**, with 1 ICU admissions in this age group
  - 65 (12.8%) were aged 19-34 years, with 2 ICU admissions in this age group
  - 196 (38.7%) were aged 35-64 years, with 16 ICU admissions in this age group
  - 206 (40.7%) were aged 65 and over, with 15 ICU admissions in this age group.

### Outbreaks:

- For the most recent week (ending 20<sup>th</sup> of November), there were **12 new outbreaks in acute hospitals** reported (29 last week).
- There were **10 new outbreaks in nursing homes (5 last week)**.
- There were 1 new outbreaks in community hospitals / long-term care facilities (3 last week).
- There were 12 outbreaks in other healthcare services (16 last week).
- There were 30 new outbreaks in residential institutions (24 last week).
- There were 45 new outbreaks reported in schools (24 last week)
- There were **6 new outbreaks associated with childcare facilities** (6 last week).
- There were **14 outbreaks in vulnerable populations** (12 last week); 11 among members of the Irish traveller community, 1 in the homeless population, and 2 in direct provision centres.
- There were **6 new outbreaks in workplaces** (10 last week).
- Note data on outbreaks are provisional and subject to ongoing review, validations and updating.

### Conclusion:

There are some signals of disimprovement. Cases continue to increase, albeit at a slower rate of growth than previously and incidence continues to rise, particularly among 5-12 year olds. The emergence of the Omicron variant is of considerable concern.

However, **14 day incidence rates for all age group 55 years or older have decreased compared to last week**. The number of COVID-19 positive patients in hospital and the number of admissions of COVID-19 patients to hospital has reduced compared to last week. **ICU admissions also decreased compared to last week. The rate of growth of cases now no longer meets the threshold for rapid growth (see next page) and we would expect to see a stabilisation of daily cases at current levels.**

The high uptake of vaccinations among all ages and the continued roll-out of the booster vaccination programme, including **close to 200,000 additional doses this week** remain positive signals.