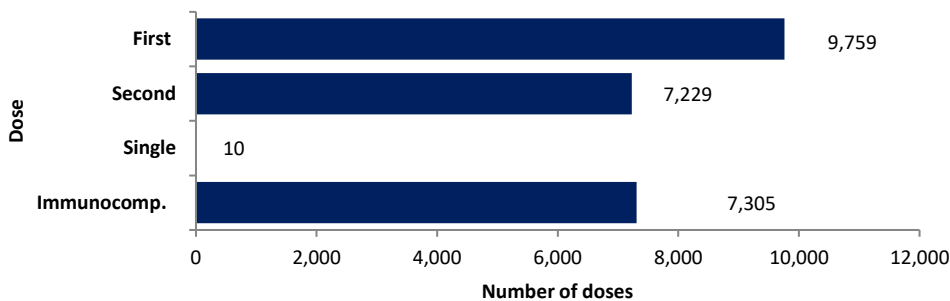


## COVID-19 Data Summary, Wednesday 10<sup>th</sup> November 2021

### Introduction:

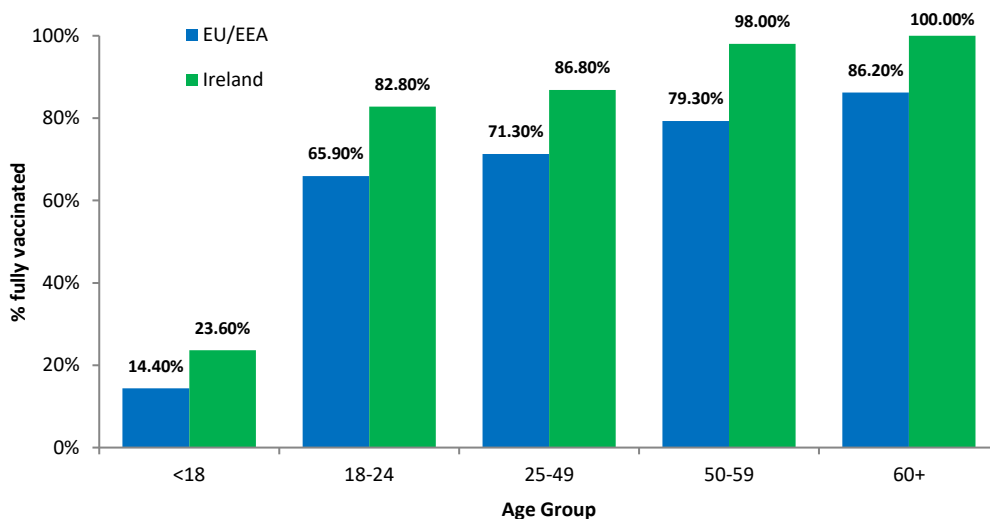
As restrictions continue to ease and case numbers rise we will continue to monitor the situation closely to predict future pressures on the hospital system and to assess effectiveness of control measures.

#### Weekly doses of COVID-19 vaccinations, 3<sup>rd</sup>– 9<sup>th</sup> November



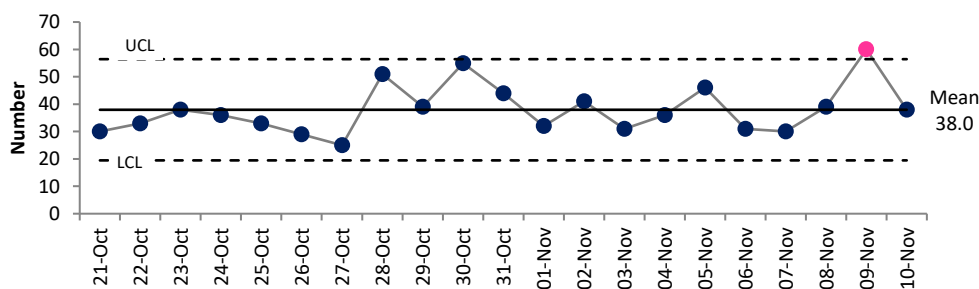
Up to 9<sup>th</sup> Oct, **7,406,672 COVID vaccine doses have been administered**. In the 7 days up to 9<sup>th</sup> Oct a total of 24,303 doses were administered, of which 40.2% (9,759) were first doses, 29.7% (7,229) were second doses, 0.05% (10) were single doses and 30.1% (7,305) were additional doses for immunocompromised people.

#### Cumulative uptake of full vaccination by age group, Ireland & EU/EEA (10<sup>th</sup> November)



Data from ECDC shows that **76% of adults age 18+ in the EU/EEA have been fully vaccinated**, with 64.8% 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.

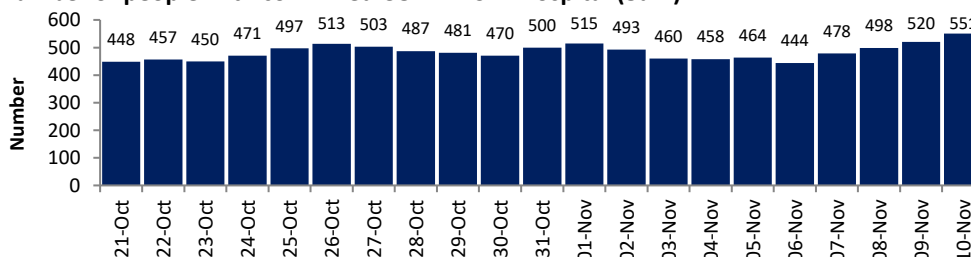
#### Number of hospital admissions of COVID positive patients during the previous 24 hours



The SPC chart shows a **signal of increase** in the number of new admissions of COVID positive patients over the past 3 weeks. **60 admissions** on November 9<sup>th</sup> exceeded the upper control limit. .

A total of 293 admissions over the past 7 days (**down 4% on the previous week**). 38 admissions today

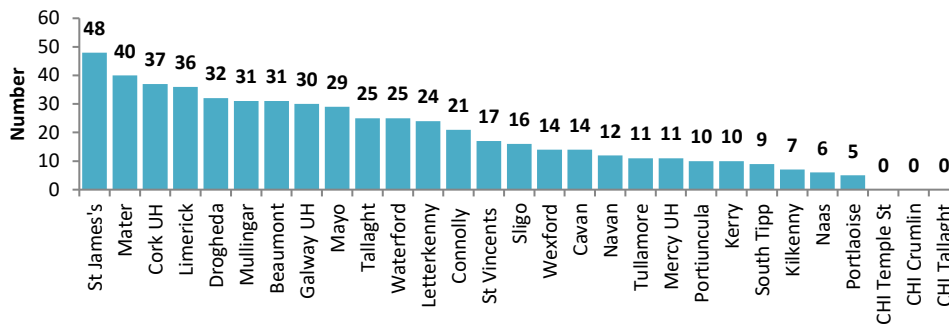
#### Number of people with confirmed COVID-19 in hospital (8am)



The number of people with COVID in hospital fluctuates by day (usually higher at weekends), and is **trending upwards**.

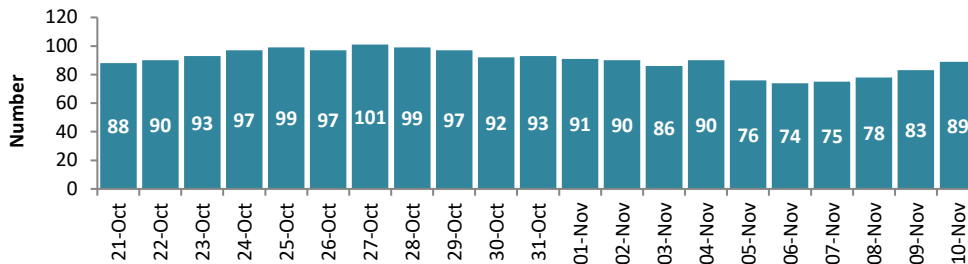
551 in hospital at 8am today, **up 20% on the same day last week**, and up 9.5% on two weeks ago.

### Number of people with confirmed COVID-19 in hospital, by hospital (8am on 10<sup>th</sup> Nov)



Of the 520 people with confirmed COVID-19 in hospital, **St. James's has the highest number (48 people)**, followed by the Mater (40), Cork UH (37), Limerick (36) Drogheda (32), Mullingar (31) and Beaumont (31).

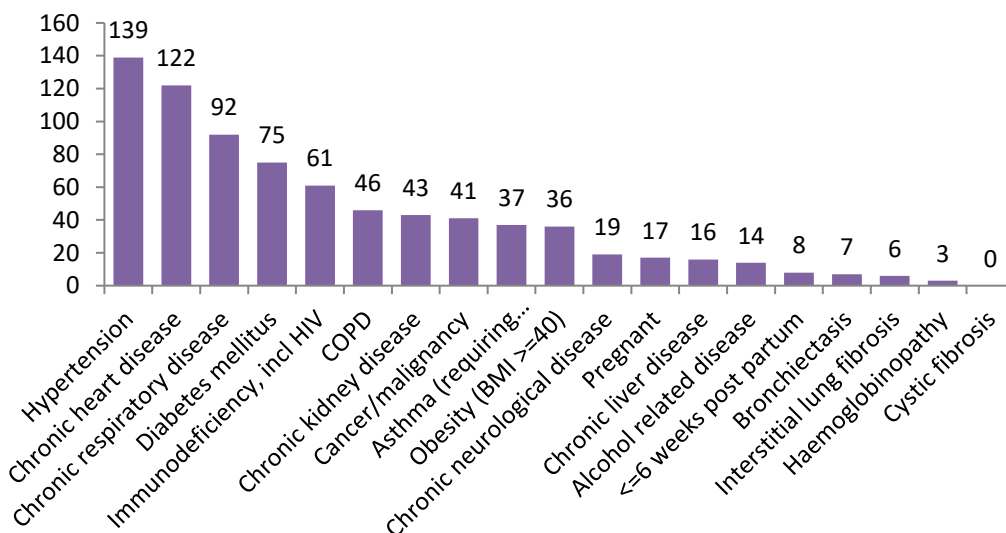
### Number of people with COVID-19 in critical care



The number with COVID-19 in critical care has **increased this week** but is relatively stable over the last 3 weeks. **Up 3%** on this day last week but **down 12% on two weeks ago**.

Currently 89 in ICU (**up 3 on the same day last week**). **11 new admissions today**.

### Underlying Conditions of COVID-19 admissions to ICU (27 June - 30 October)

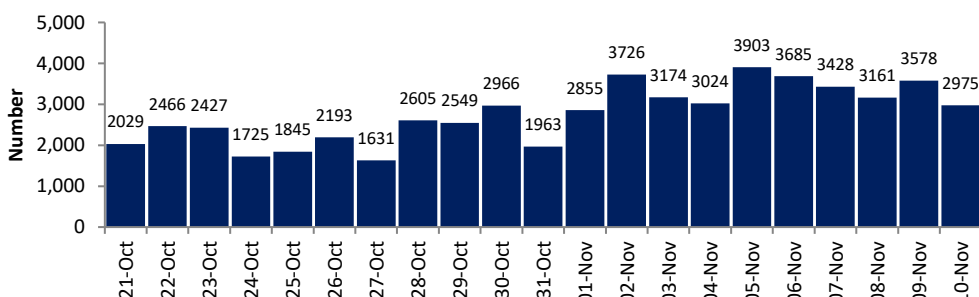


**400 people (15+ years) with COVID-19 were admitted to ICU** from 27<sup>th</sup> June to 30 October.

**80.5% had underlying medical conditions.**

139 (43% of those with underlying medical conditions) had hypertension; 122 (38%) had chronic heart disease, 92 (29%) had chronic respiratory disease, 75 (23%) had diabetes and 61 (19%) had immunodeficiency.

### Number of new cases per day (last 3 weeks to Nov 10<sup>th</sup>)

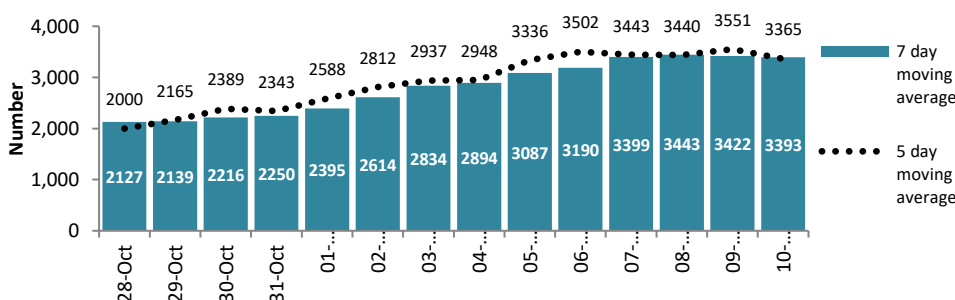


The number of cases fluctuates by day but has increased over the past week.

The **number of new cases in the 7 days to Nov 10<sup>th</sup> up 20%** on the previous week.

2,975 new cases on Nov 10<sup>th</sup>.

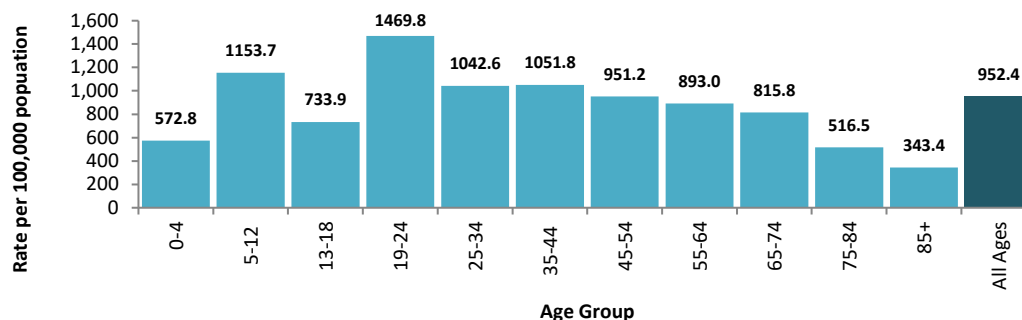
### 5 and 7 day moving averages of new cases per day (14 days to Nov 10<sup>th</sup>)



Compared to last week the **5 day average is up 15%** and the **7 day average is up 20%**.

Compared to previous 2 weeks, the **5 day average is up 71%** and the **7 day average is up 66%**.

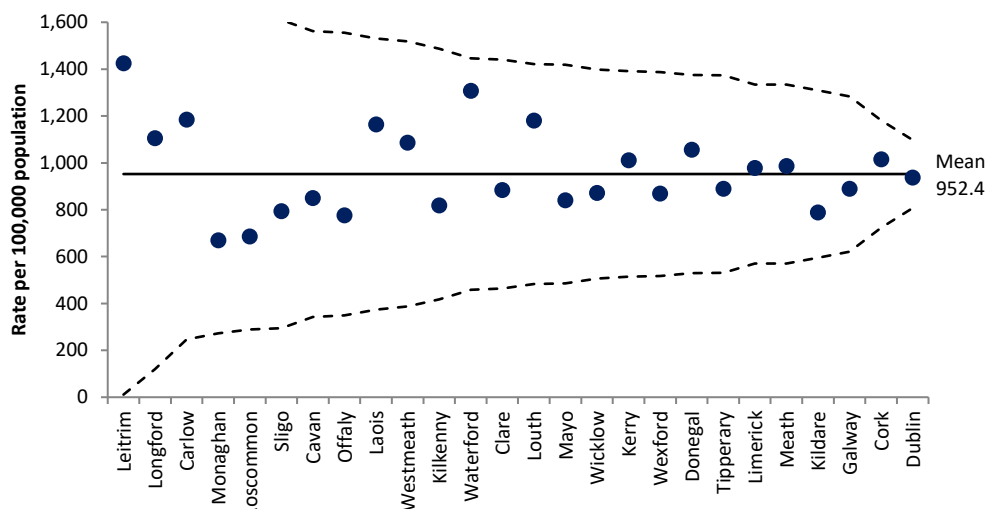
### Rate of new cases per 100,000 population by age group notified over the 2 weeks to 2<sup>nd</sup> Nov



Compared to the previous week the **overall 14 day incidence rate is up 41%**. The 14 day incidence rate is **highest among 19-24 year olds (up 75% on previous week)** and **5-12 year olds (up 30% on last week)**. Rates in the 85+ (down 5%) decreased.

The rates for all other ages groups increased compared to last week.

### 14-day incidence rate per 100,000 population by county notified from 26 Oct – 09 Nov

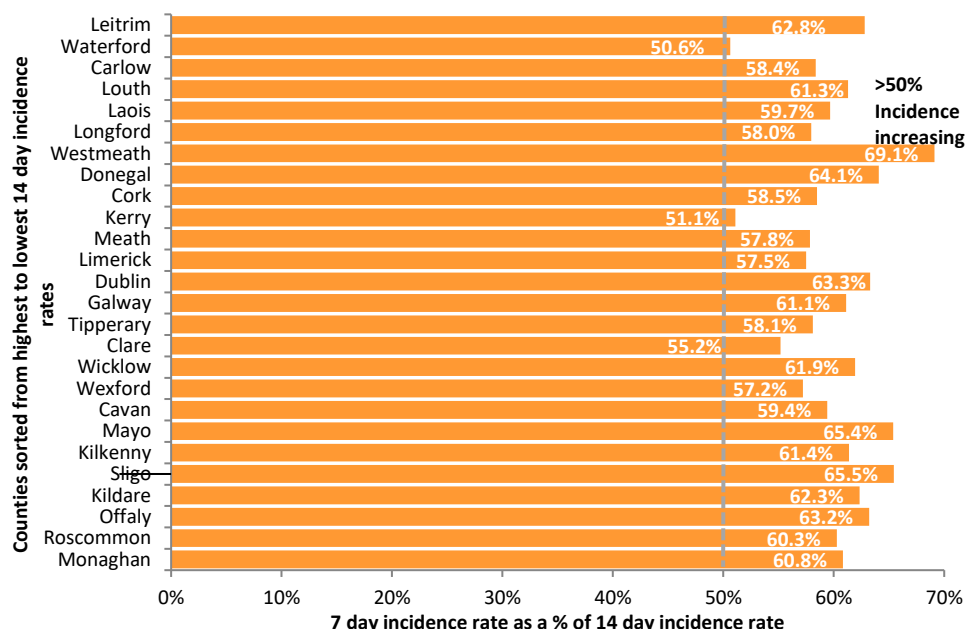


The SPC funnel plot shows that the rates of new cases in all counties are within the expected range of variation when compared to the national average.

Leitrim (1426.2) and Waterford (1307.5) have a high incidence rate but are within the expected range of variation.

This reflects a rising mean incidence (952.4 for 26 Oct -9 Nov compared to 695 for the previous two weeks), rather than absolute improvement in previous outliers.

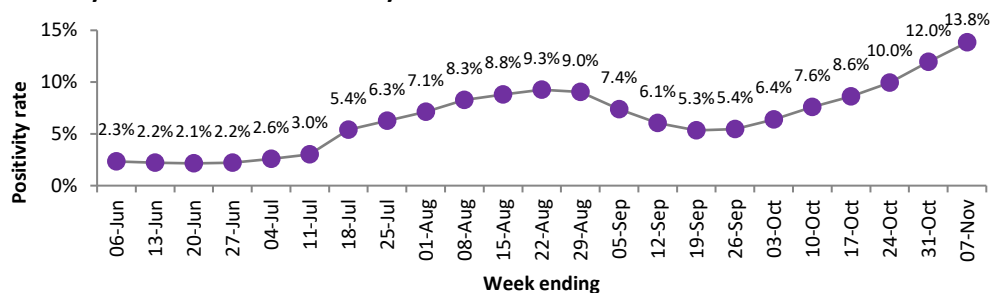
### 7 day incidence rate as a percentage of 14 day rate, 26 Oct - 9 Nov



The 14 day incidence rate to 9<sup>th</sup> Nov is 952 per 100,000 population, while the 7 day incidence rate is 576. **The 7 day rate is more than half (60.5%) 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**.

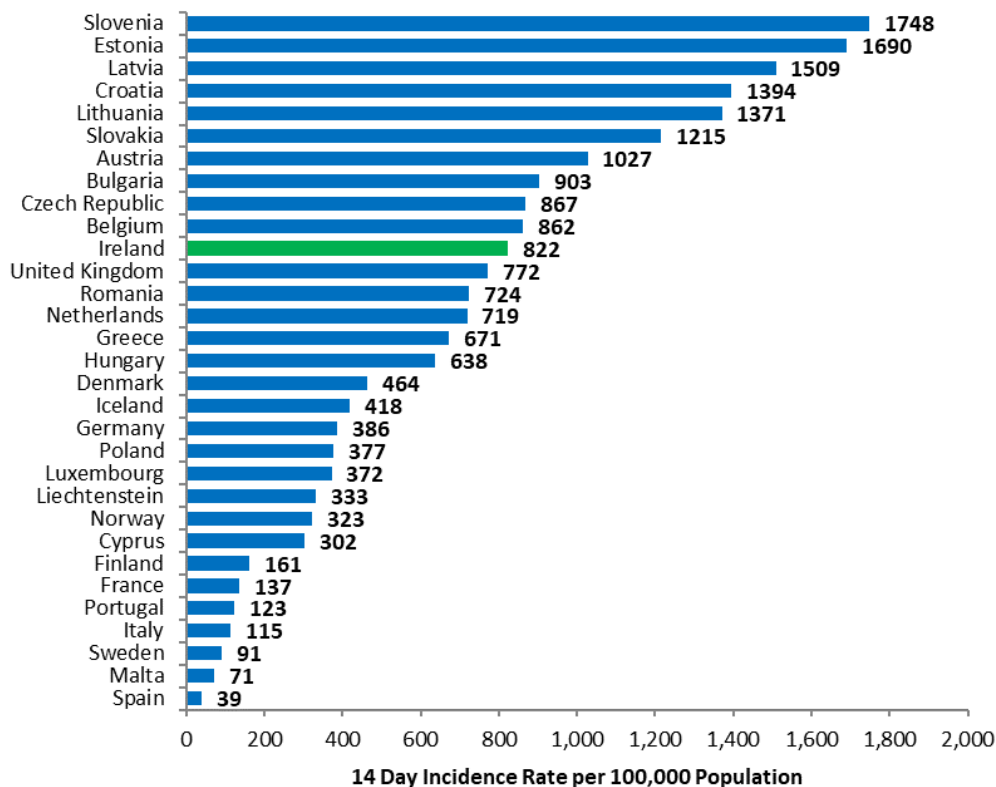
At county level, the 7 day rates for **all 26 counties are greater** than half of the 14 day rates. This is a disimprovement on the same as this day last week when 23 counties were greater than the half of the 14 day rates.

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



The positivity rate had been stable at <2.5% during June, but trended upwards to 9.3% for the week ending 22<sup>nd</sup> August. While the positivity rate decreased for 4 weeks from then, it has since **trended upwards** again to 13.8% for the most recent week (week ending 7<sup>th</sup> November).

### 14-day COVID-19 rates per 100,000 population EU/EEA & UK (WHO Data, 9th October)



Data from the WHO on COVID incidence rates within Europe shows that **the 14 day incidence rate is the 11<sup>th</sup> highest out of the 31 countries (11<sup>th</sup> highest last week).**

The 14 day incidence rates in **27 of the 31 countries have increased compared to 2 weeks ago, including Ireland (up 43%).**

Rates have decreased in 4 countries.

### Key trends & recent changes:

- In the **7 days up to 10<sup>th</sup> November** there were **23,295 new cases** reported; **up 20% on the previous week** (19,838 new cases in the 7 days up to 3<sup>rd</sup> October). Compared to the previous week, the **5 day average is up 15% and compared to two weeks ago, up 71%.**
- 24.2% of new cases over the past 2 weeks were among children aged 0-18 years.** 43.3% of new cases over the past 2 weeks were among people aged 19-44 years. 33.3% of new cases were among people aged 45-64 years and 9.5% were among people aged 65 and over.

### Hospital activity:

- The number of patients with confirmed COVID currently **in hospital is up 20% compared to last week** (551 at 8am on 10<sup>th</sup> November, 460 at 8am on 3<sup>rd</sup> November).
- Over the past 7 days there have been **280 admissions of COVID positive patients to hospital** (an average of 40 per day), **down 4% on the previous week** (293 new admissions in the 7 days up to 3<sup>rd</sup> November).
- Data from the NOCA ICU Bed Information System shows that the number of **confirmed COVID cases in ICU has increased by 3% compared to last week** (89 on 10<sup>th</sup> November, 86 on 3<sup>rd</sup> November).
- The 14 days to 10<sup>th</sup> November:** Of 45,352 new cases notified between **28<sup>th</sup> Oct & 10<sup>th</sup> Nov**, **607 (1.3%) have been hospitalised** to date and **33 (0.1%) have been admitted to ICU.** Of these 607 hospitalised cases:
  - 40 (6.6%) were aged 0-18 years**, with 2 ICU admissions in this age group
  - 65 (10.7%) were aged 19-34 years**, with 2 ICU admissions in this age group
  - 202 (33.3%) were aged 35-64 years**, with 13 ICU admissions in this age group

- 300 (49.4%) were aged 65 and over, with 16 ICU admissions in this age group.

#### ICU Admission 27<sup>th</sup> June to 30<sup>th</sup> October - The HPSC Epidemiology of intensive care admissions in cases of COVID-19 in Ireland (15 years+)

- **400** ICU admissions of COVID-19 positive patients of which:
  - **23.5%** remain in ICU
  - **52.3%** discharged alive with median length of stay 8 days (Range 1-81 days)
  - **24.3%** died in ICU with median length of stay 10 days (Range 1-51 days)
- Of the 400 ICU admission:
  - **80.5% had underlying medical conditions**; 19.5% had no underlying medical conditions
  - 34.8% were fully vaccinated, 5.6% partially vaccinated **and 58.5% were not vaccinated**. Vaccination status was unknown for 1% of cases

#### Outbreaks:

- For the most recent week (ending 6<sup>th</sup> of November), there were **10 new outbreaks in acute hospitals** reported (6 last week).
- There were **3 new outbreaks in nursing homes (16 last week)**.
- There were 2 new outbreaks in community hospitals / long-term care facilities (1 last week).
- There were 20 new outbreaks in residential institutions (7 last week).
- There were 34 new outbreaks reported in schools (5 last week) but 32 of these occurred during May and June 2021 (2020/21 academic year) and were retrospectively notified.
- There were 7 **new outbreaks associated with childcare facilities** (1 last week).
- There were **10 outbreaks in vulnerable populations** (11 last week); 4 among members of the Irish traveller community, 2 outbreaks in the Roma community, 2 in the homeless population, 1 outbreak in a prison and 1 in persons with addictions.
- There were **24 new outbreaks in workplaces** (18 last week).
- Note data on outbreaks are provisional and subject to ongoing review, validations and updating.

#### Conclusion:

There are a number of signals of disimprovement. There is an increasing trend in the number of new cases, which meets the threshold for rapid growth. Incidence is rising, including a 7 day incidence rate greater than 50% of the 14 day rate in all 26 counties. There are also signals of increase in the number of hospital admissions of COVID positive patients, a 75% increase in the 14 day incidence rate of COVID-19 in 18-24 year olds and an increasing positivity rate.

However there are some positive signals. The rapid growth in cases is not yet reflected in the numbers of cases in critical care (3% increase this week but relatively stable over three weeks). There is also a high uptake of vaccinations among all ages, reducing incidence of COVID-19 among the 85+ cohort in the last two weeks, and the administration of over 7,000 vaccine doses for immunocompromised people in the past week.