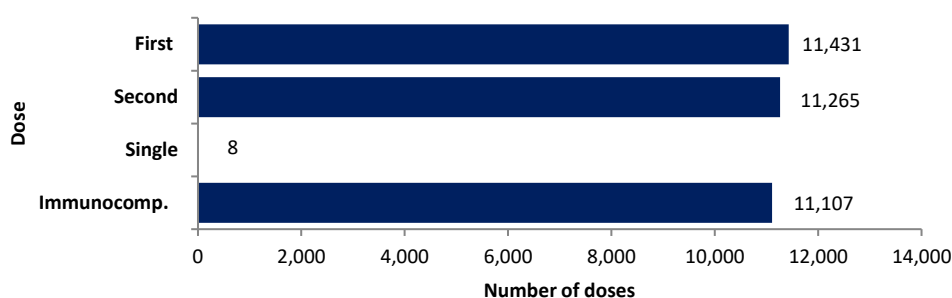


COVID-19 Data Summary, Wednesday 27th October 2021

Introduction:

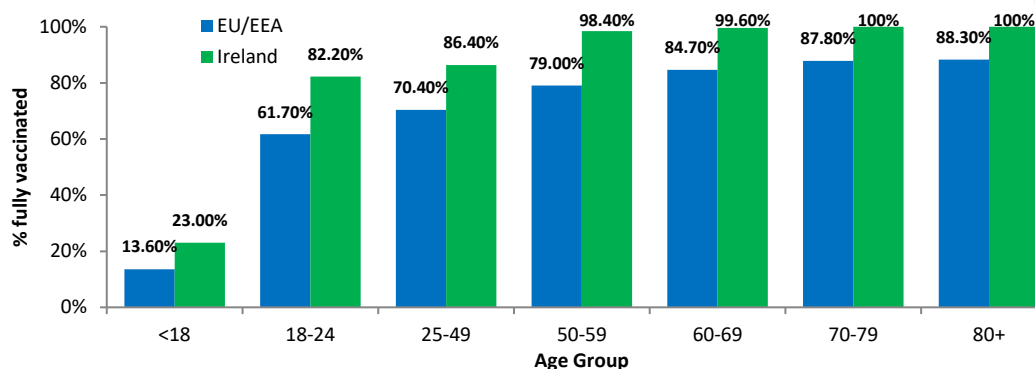
As restrictions continue to ease and case numbers rise we will continue to monitor the situation closely to predict future pressures on the hospital system and to assess effectiveness of control measures.

Weekly doses of COVID-19 vaccinations, 19th - 26th October



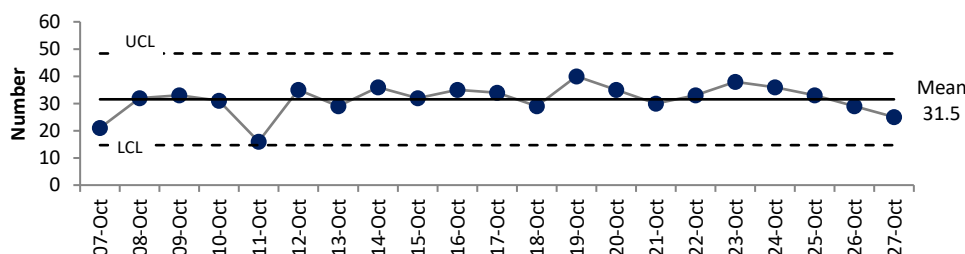
Up to 26th Oct, **7,346,506 COVID vaccine doses have been administered**. In the 7 days up to 26th Oct a total of 33,811 doses were administered, of which 33.8% (11,431) were first doses, 33.3% (11,265) were second doses, 0.02% (8) were single doses and 32.9% (11,107) were additional doses for immunocompromised people.

Cumulative uptake of full vaccination by age group, Ireland & EU/EEA (27th October)



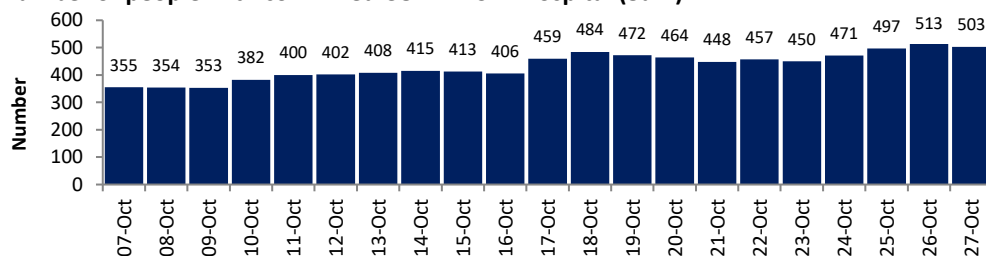
Data from ECDC shows that **75% of adults age 18+ in the EU/EEA have been fully vaccinated**, with 63.9% of the total population (including children) fully vaccinated. Uptake rates vary significantly by age group, with Ireland having higher uptake rates across all age groups compared to the EU/EEA.

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



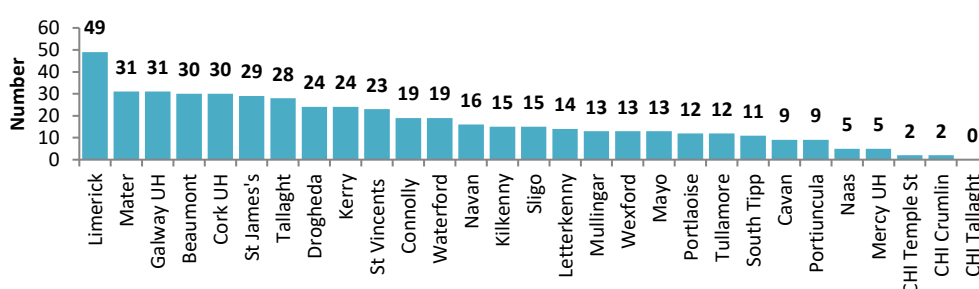
The **SPC chart** shows that the number of new admissions of COVID positive patients has been **stable** over the past 3 weeks, around a mean of 31.5. 25 admissions today, with a total of 224 admissions over the past 7 days (**down 7% on the previous week**).

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



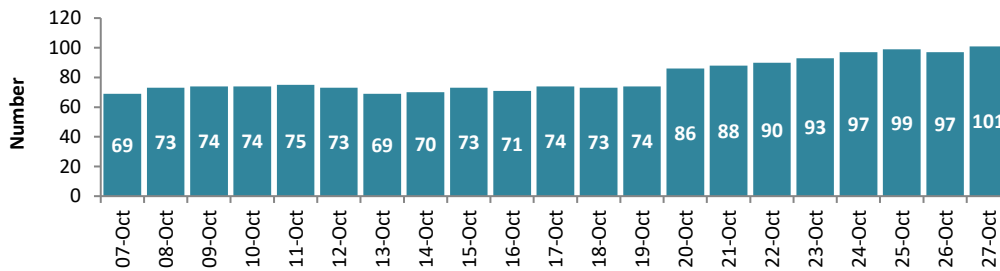
The number of people with COVID in hospital fluctuates by day (usually higher at weekends), and is **trending upwards**. 503 in hospital at 8am today, **up 8% on the same day last week**, and up 23% on two weeks ago.

Number of people with confirmed COVID-19 in hospital, by hospital (8am on 27th Oct)



Of the 503 people with confirmed COVID-19 in hospital, **UH Limerick has the highest number (49 people)**, followed by the Mater (31), Galway UH (31), Beaumont (30) and Cork UH (30).

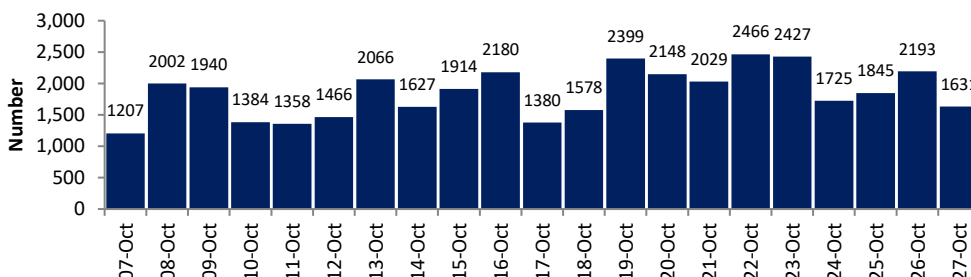
Number of people with COVID-19 in critical care



The number with COVID-19 in critical care has increased in recent weeks, up 17% on this day last week.

Currently 101 in ICU (**up 15 on the same day last week**).
9 new admissions today.

Number of new cases per day (last 3 weeks)

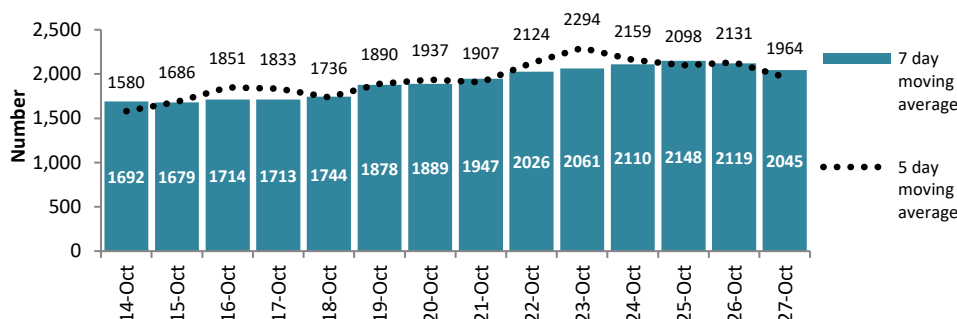


The number of cases fluctuates by day but has increased over the past week.

The **number of new cases in the past 7 days is up 8%** on the previous week.

1631 new cases today

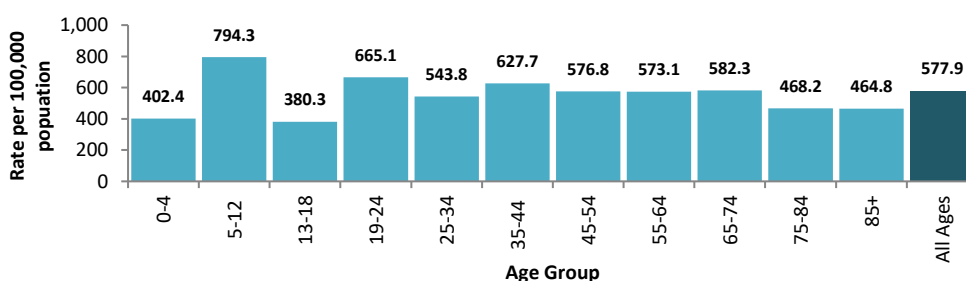
5 and 7 day moving averages of new cases per day (last 14 days)



Compared to last week, the **5 day average is up 1%** and the **7 day average is up 8%**.

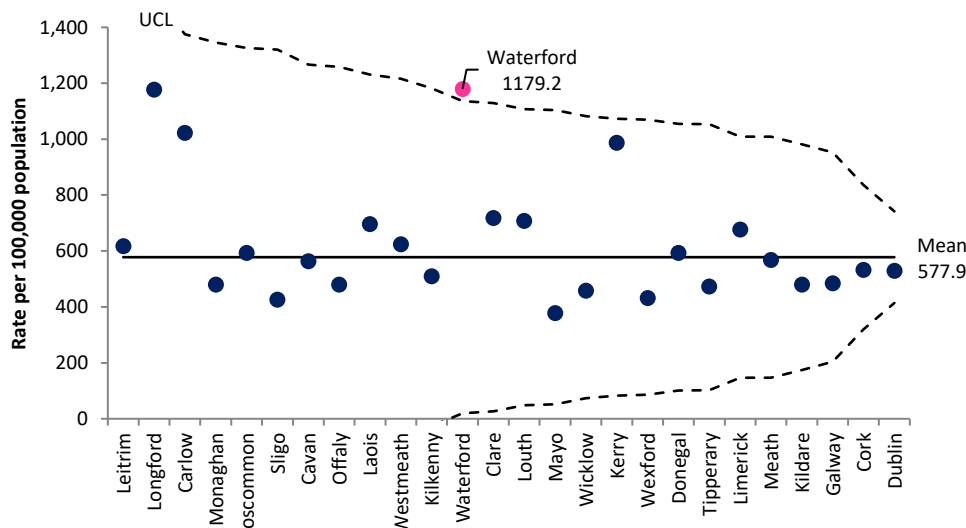
Compared to 2 weeks ago, the **5 day average is up 20%** and the **7 day average is up 25%**.

Rate of new cases per 100,000 population by age group notified over the past 2 weeks



Compared to last week the **overall 14 day incidence rate is up 12%**. The 14 day incidence rate is **highest among 5-12 year olds (up 13% on last week)** and **5-12 year olds (up 21% on last week)**. Rates 85+ (down 19%) and 13-18 (down 2%) 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 13 Oct – 26 Oct

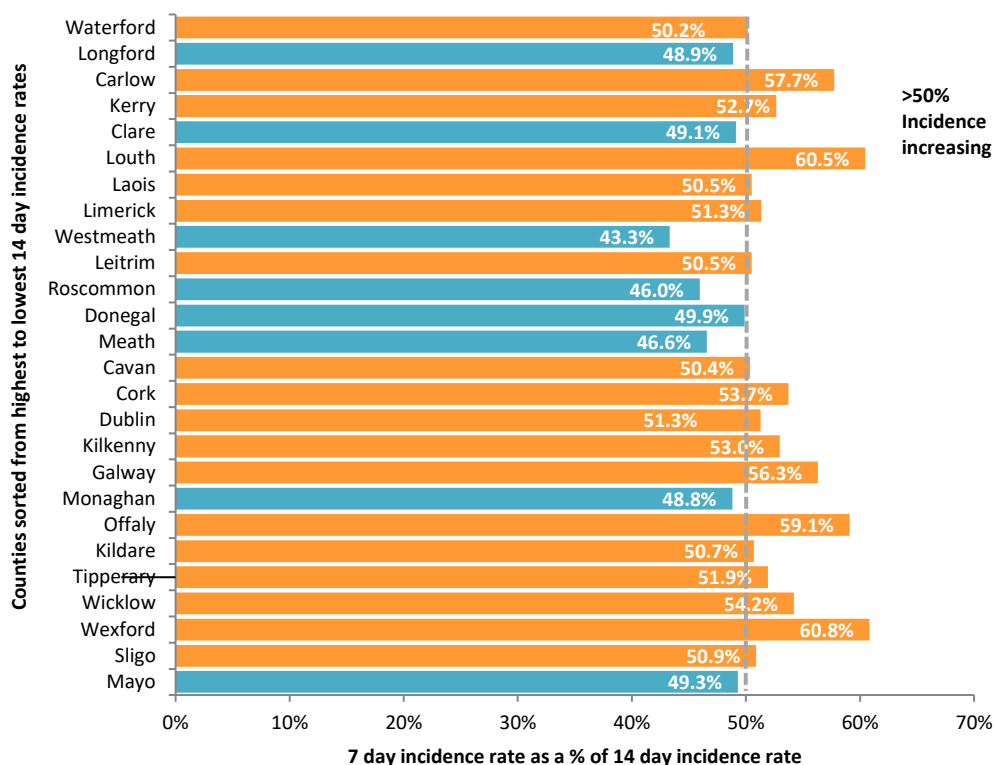


The SPC funnel plot shows that the rates of new cases in all counties, with the exception of Waterford are within the expected range of variation when compared to the national average.

Waterford currently has the highest 14-day incidence rate (1179.2) and is higher than the expected range of variation relative to the national rate for a county with that population.

Longford (1176.8) has a high incidence rate but is within the expected range of variation.

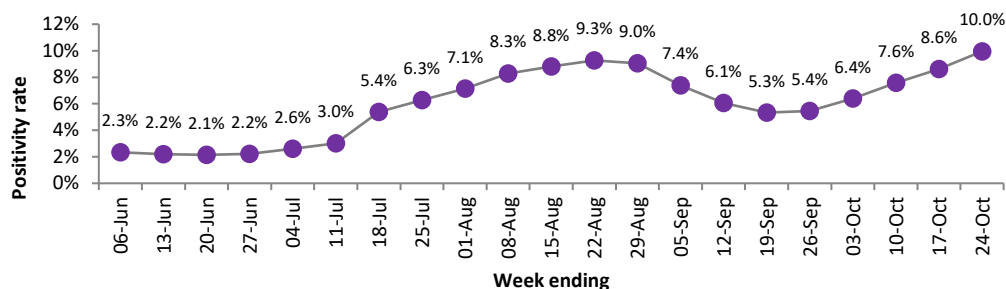
7 day incidence rate as a percentage of 14 day rate, 13 Oct -26 Oct



The latest 14 day incidence rate is 577.9 per 100,000 population, while the 7 day incidence rate is 300.4. **The 7 day rate is more than half (52%) 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.

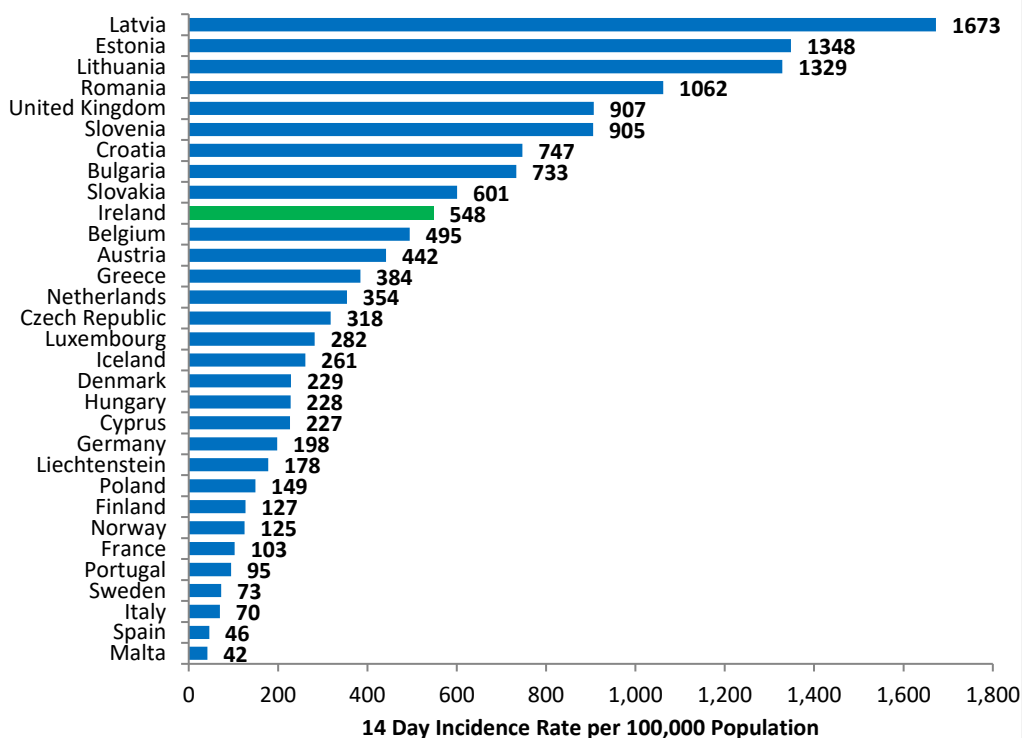
At county level, the 7 day rates for **18 counties are greater** than half of the 14 day rates. This is an improvement on the same as this day last week when 24 counties were greater than the half of the 14 day rates.

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 22nd August. While the positivity rate decreased for 4 weeks from then, it has since **trended upwards** again to 10% for the most recent week (week ending 24th October).

14-day COVID-19 rates per 100,000 population EU/EEA & UK (WHO Data, 26th October)



Data from the WHO on COVID incidence rates within Europe shows that **the 14 day incidence rate is the 10th highest out of the 31 countries** (9th highest last week).

The 14 day incidence rates in **27 of the 31 countries have increased compared to 2 weeks ago, including Ireland (up 45%)**. 5 Countries recorded an increase of over 100%, Liechtenstein (245%), Czech Republic (206%), Poland (173%), Hungary (166%), and the Netherlands (116%).

Rates have decreased in 4 countries.

Key trends & recent changes:

- In the **7 days up to 27th October** there were **14,316 new cases** reported; **up 8% on the previous week** (13,226 new cases in the 7 days up to 20th October). Compared to last week, the **5 day average is up 1% and compared to two weeks ago, up 20%**.
- **25.8% of new cases over the past 2 weeks were among children aged 0-18 years.** 38.1% of new cases over the past 2 weeks were among people aged 19-44 years. 23.7% of new cases were among people aged 45-64 years and 12.4% were among people aged 65 and over.

Hospital activity:

- The number of patients with confirmed COVID currently **in hospital is up 9% compared to last week** (503 at 8am on 27th October, 464 on 20th October).
- Over the past 7 days there have been **224 admissions of COVID positive patients to hospital** (an average of 32 per day), **down 7% on the previous week** (241 new admissions in the 7 days up to 20th October).
- Data from the NOCA ICU Bed Information System shows that the number of **confirmed COVID cases in ICU has increased by 17% compared to last week** (86 on 20th October, 101 on 27th October).
- **The last 14 days:** Of 24,641 new cases notified between **13th Oct & 26th Oct, 474 (1.7%) have been hospitalised** to date and **29 (0.1%) have been admitted to ICU.** Of these 474 hospitalised cases:
 - **36 (7.6%) were aged 0-18 years**, with 0 ICU admissions in this age group
 - 55 (11.6%) were aged 19-34 years, with 4 ICU admissions in this age group
 - 138 (29.1%) were aged 35-64 years, with 12 ICU admissions in this age group
 - 245 (51.7%) were aged 65 and over, with 13 ICU admissions in this age group.

Outbreaks:

- For the most recent week (ending 23rd October), there were **5 new outbreaks in acute hospitals** reported (13 last week), with **19 linked cases**.
- There were **12 new outbreaks in nursing homes (11 last week) with 87 linked cases** (down from 108 cases last week).
- There was 1 new outbreak in community hospitals / long-term care facilities (2 last week) with 8 linked cases.
- There were 20 new outbreaks in residential institutions (10 last week) with 78 linked cases reported.
- There were **11 new outbreaks reported in schools** (15 last week) with 90 linked cases.
- There were **4 new outbreaks associated with childcare facilities** (10 last week) with 12 linked cases.
- There were **15 outbreaks in vulnerable/key populations** (12 last week); 10 among members of the Irish traveller community with 88 confirmed cases, 2 associated with the Roma populations with 16 linked cases, 1 associate outbreak in a homeless facility with 5 linked cases, 1 outbreak in clients of mental health services with 2 linked cases and 1 outbreak third level students (outbreak location: university/college setting) with 12 confirmed cases.
- There were **22 new outbreaks in workplaces** (34 last week) with 115 linked cases.
- Note data on outbreaks are provisional and subject to ongoing review, validations and updating.

Conclusion:

There are a number of signals of disimprovement, including an increasing trend in the number of new cases, rising incidence, in particular among 5-12 year olds, increasing numbers of patients in hospital and ICU, and an increasing positivity rate. However there are some positive signals, including a stable admission rate to hospital, 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 11,000 booster doses for immunocompromised people in the past week.