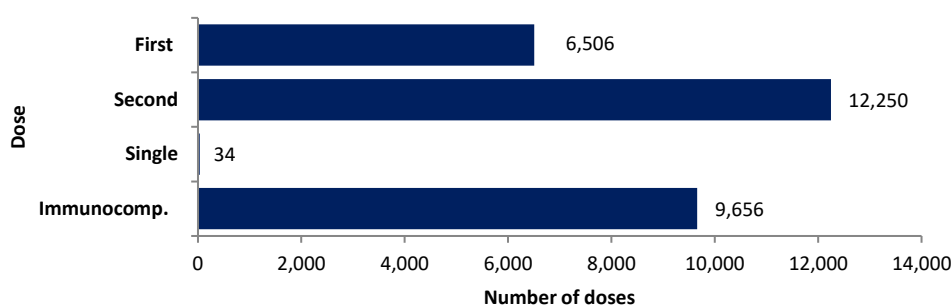


COVID-19 Data Summary, Wednesday 20th October 2021

Introduction:

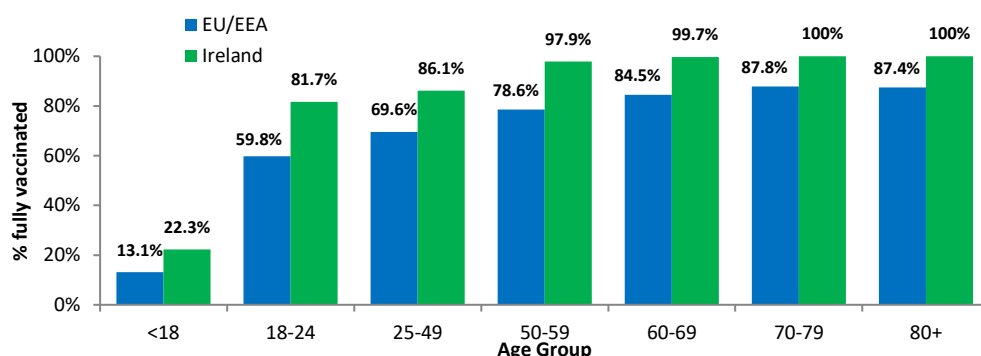
As restrictions continue to ease we will continue to monitor the situation closely to predict future pressures on the hospital system and to assess effectiveness of control measures.

Weekly doses of COVID-19 vaccinations, 13th - 19th October



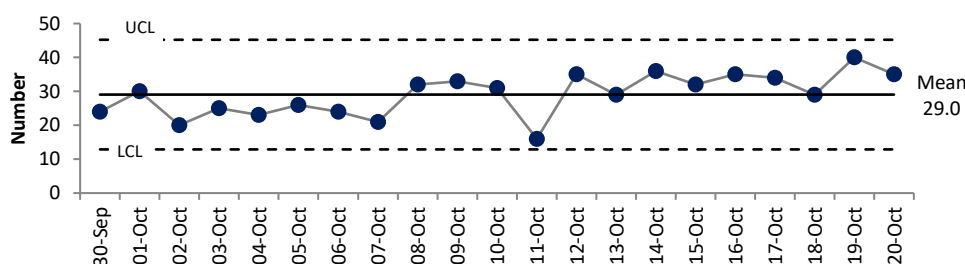
Up to 19th Oct, **7,304,879 COVID vaccine doses have been administered.** In the 7 days up to 19th Oct a total of 28,446 doses were administered, of which 22.9% (6,506) were first doses, 43% (12,250) were second doses, 0.1% (34) were single doses and 34% (9,656) were additional doses for immunocompromised people.

Cumulative uptake of full vaccination by age group, Ireland & EU/EEA (20th October)



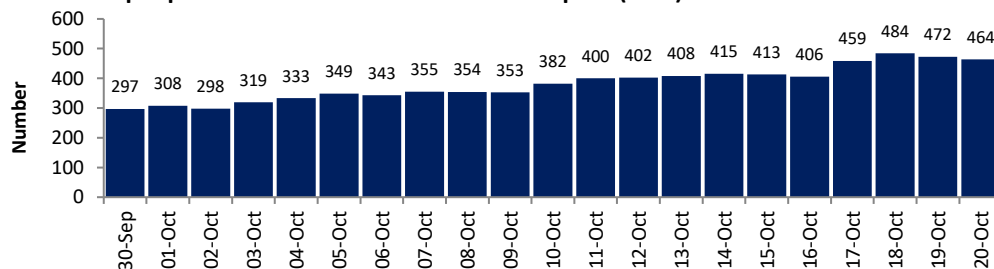
Data from ECDC shows that **74.4% of adults age 18+ in the EU/EEA have been fully vaccinated**, with 63.4% of the total population (including children) fully vaccinated. Uptake rates vary significantly by age group, with Ireland having higher uptake rates across all age groups compared to the EU/EEA.

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



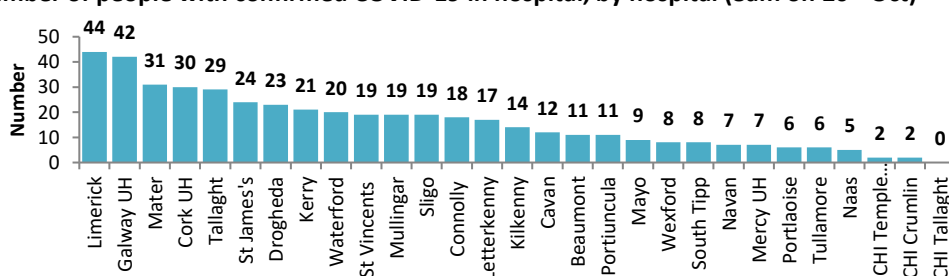
The SPC chart shows that the number of new admissions of COVID positive patients has been **stable** over the past 3 weeks. 35 admissions today, with a total of 241 admissions over the past 7 days (up 22% on the previous week).

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



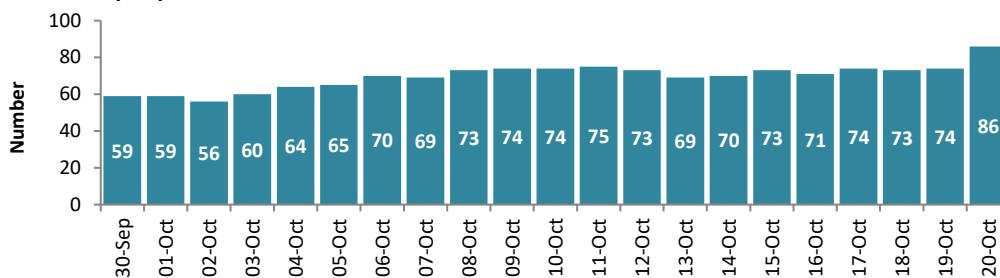
The number of people with COVID in hospital fluctuates by day (usually higher at weekends), and is trending upwards. 464 in hospital at 8am today, **up 14% on the same day last week**, and up 31% on two weeks ago.

Number of people with confirmed COVID-19 in hospital, by hospital (8am on 20th Oct)



Of the 464 people with confirmed COVID-19 in hospital, **UH Limerick has the highest number (44 people)**, followed by Galway UH (42), the Mater (31), Cork UH (30) & Tallaght (29).

Number of people with COVID-19 in critical care

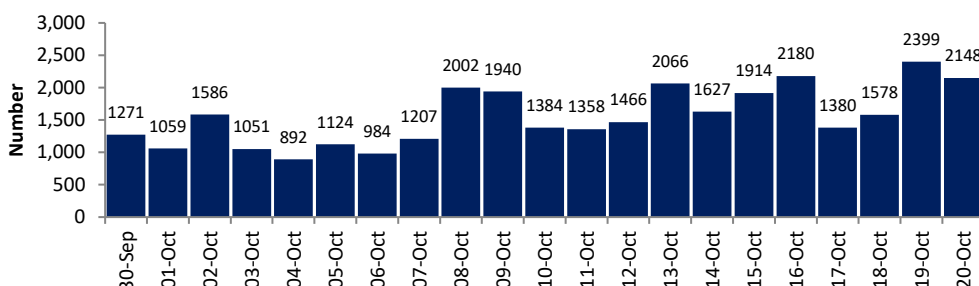


The number with COVID-19 in critical care has increased in recent weeks, up 25% on this day last week.

Currently 86 in ICU (up 17 on the same day last week).

14 new admissions today.

Number of new cases per day (last 3 weeks)

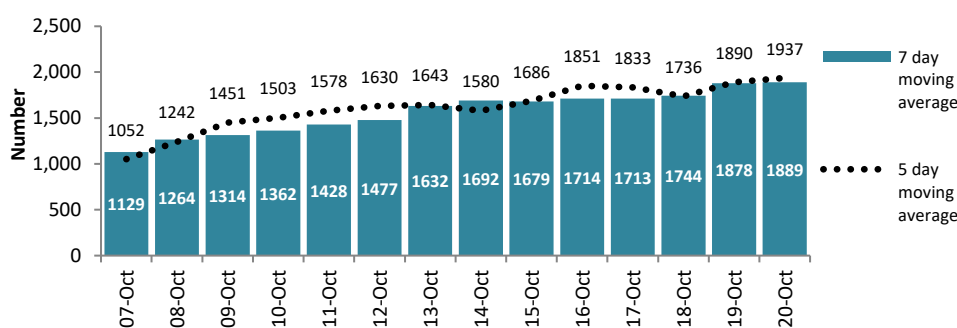


The number of cases fluctuates by day but has increased over the past week.

The **number of new cases in the past 7 days is up 16%** on the previous week.

2148 new cases today

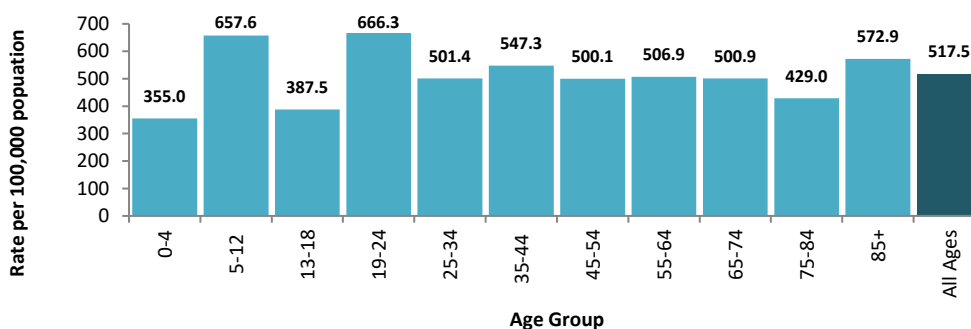
5 and 7 day moving averages of new cases per day (last 14 days)



Compared to last week, the **5 day average is up 18%** and the **7 day average is up 16%**.

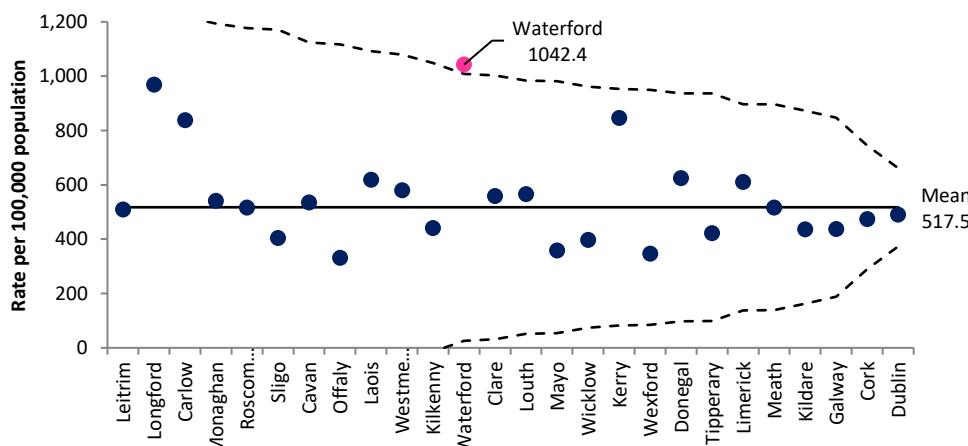
Compared to 2 weeks ago, the **5 day average is up 72%** and the **7 day average is up 66%**.

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 27%**. The 14 day incidence rate is **highest among 19-24 year olds (up 13% on last week)** and **5-12 year olds (up 32% on last week)**. The rates for all ages groups increased compared to last week. The biggest increases were among older people (65-74 up 35%, and 85+ up 33%) and the lowest among 13-18 (up 11%) and 19-24 (up 13%).

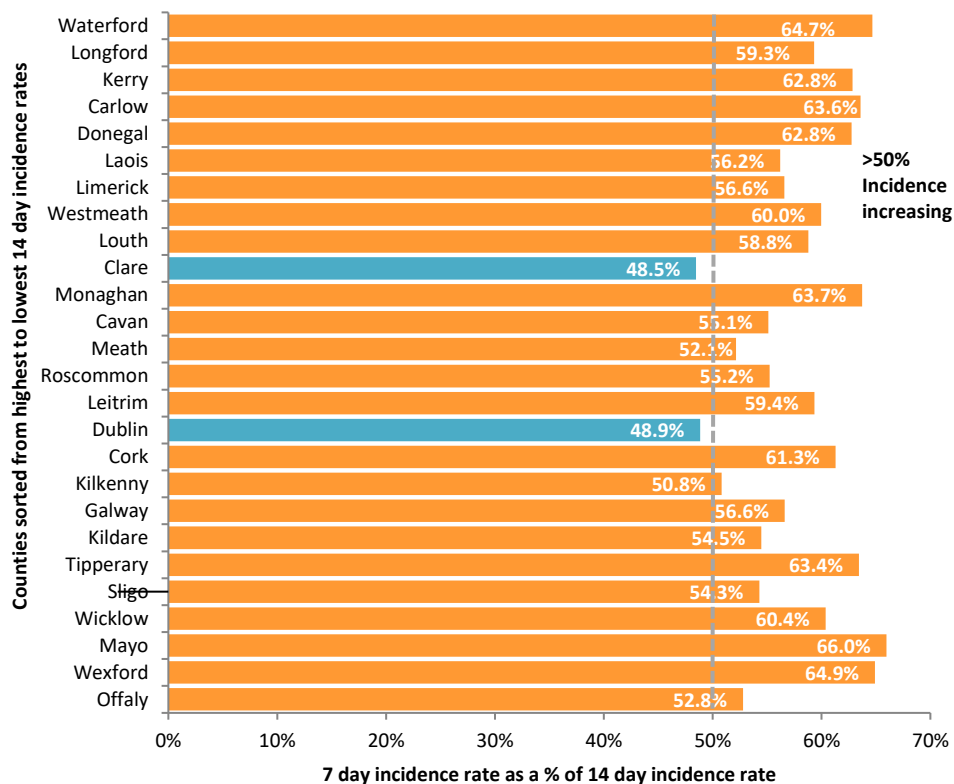
14-day incidence rate per 100,000 population by county notified from 06 Oct - 19 Oct



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 (1042.4) and is higher than the expected range of variation relative to the national rate for a county with that population.

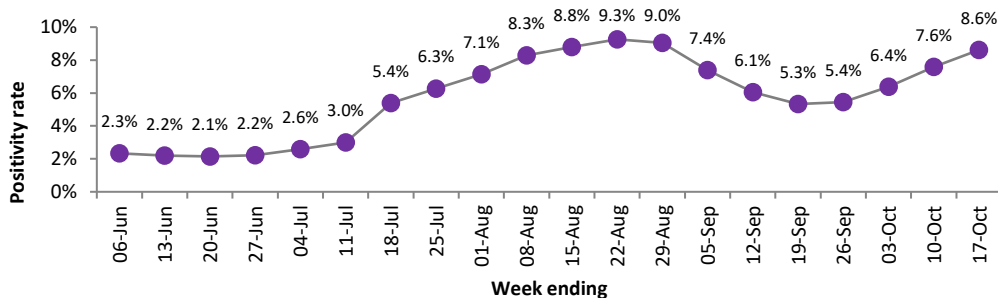
7 day incidence rate as a percentage of 14 day rate, 06 Oct - 19 Oct



The latest 14 day incidence rate is 517.5 per 100,000 population, while the 7 day incidence rate is 277.7. **The 7 day rate is more than half (53.7%) 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**.

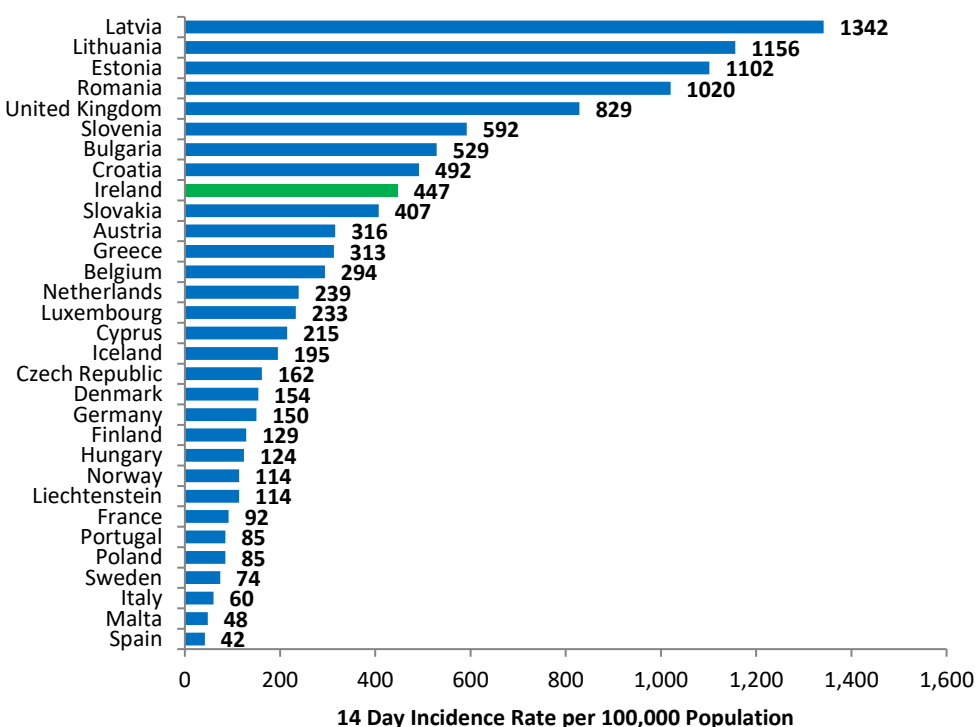
At county level, the 7 day rates for **24 counties are greater** than half of the 14 day rates. This is the same as this day last week when 24 counties were also greater than the half of the 14 day rates.

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 8.6% for the most recent week (week ending 17th October).

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



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

The 14 day incidence rates in **24 of the 31 countries have increased compared to 2 weeks ago, including Ireland (up 23%)**. Rates have decreased in 6 countries and remained unchanged in 1 country.

Key trends & recent changes:

- In the **7 days up to 20th October** there were **13,226 new cases** reported; **up 16% on the previous week** (11,423 new cases in the 7 days up to 13th October). Compared to last week, the **5 day average is up 18% and compared to two weeks ago, up 72%**.
- **25.3% of new cases over the past 2 weeks were among children aged 0-18 years.** 39% of new cases over the past 2 weeks were among people aged 19-44 years. 23.2% of new cases were among people aged 45-64 years and 12.6% were among people aged 65 and over.

Hospital activity:

- The number of patients with confirmed COVID currently **in hospital is up 14% compared to last week** (408 at 8am on 13th October, 464 on 20th October).
- Over the past 7 days there have been **241 admissions of COVID positive patients to hospital** (an average of 34 per day), **up 22% on the previous week** (197 new admissions in the 7 days up to 13th October).
- Data from the NOCA ICU Bed Information System shows that the number of **confirmed COVID cases in ICU has increased by 25% compared to last week** (69 on 13th October, 86 on 20th October).
- **The last 14 days:** Of 24,641 new cases notified between **06th Oct & 20th Oct, 536 (2.2%) have been hospitalised** to date and **28 (0.1%) have been admitted to ICU.** Of these 536 hospitalised cases:
 - **37 (6.9%) were aged 0-18 years**, with 2 ICU admissions in this age group
 - 67 (12.5%) were aged 19-34 years, with 2 ICU admissions in this age group
 - 159 (29.7%) were aged 35-64 years, with 13 ICU admissions in this age group
 - 273 (49.1%) were aged 65 and over, with 11 ICU admissions in this age group.
- Data from the HPSC Epidemiology of **intensive care admissions** in adult cases of COVID-19 in Ireland reports there were **12 cases who were pregnant** at the time of first admission to ICU between 27th June to 2nd October.
 - **Pregnancy was reported in 11% of female ICU cases** (n=106). This compared to 1 case (0.7% of female cases, n=134) in Wave 1 (16.02.2020-01.08.2020), no cases in Wave 2 (02.08.2020-21.11.2020) and 19 cases (5% of female cases, n=380) in Wave 3 (22.11.2020-26.06.2021)
 - **11 of the pregnancy cases (92%) reported not receiving a vaccine**, 1 case reported receiving one dose of a two-dose vaccine
 - For those where data on trimester is available (11), 10 were in their 3rd trimester of pregnancy and 1 was in their 2nd trimester.
 - An underlying condition was present in 8 (67%) of cases.

Outbreaks:

- For the most recent week (ending 16th October), there were **13 new outbreaks in acute hospitals** reported (10 last week), with **86 linked cases**.
- There were **11 new outbreaks in nursing homes (13 last week) with 108 linked cases** (down from 123 cases last week).
- There was 2 new outbreak in community hospitals / long-term care facilities (1 last week) with 16 linked cases.
- There were 10 new outbreaks in residential institutions (5 last week) with 50 linked cases reported.
- There were **15 new outbreaks reported in schools** (3 last week) with 80 linked cases.
- There were **10 new outbreaks associated with childcare facilities** (2 last week) with 30 linked cases.
- There were **12 outbreaks in vulnerable/key populations** (23 last week); 9 among members of the Irish traveller community with 37 confirmed cases, 1 associated with asylum seekers/refugees with five linked cases, 1 outbreak in clients of mental health services with 7 linked cases and one outbreak third level students (outbreak location: social gathering) with 3 confirmed cases.
- There were **34 new outbreaks in workplaces** (19 last week) with 120 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 across all age groups, in particular among older adults, increasing numbers of patients in hospital and ICU, and an increasing positivity rate. However there are some positive signals, including a high uptake of vaccinations among all ages, and the administration of over 9,500 booster doses for immunocompromised people in the past week.