IEMAG briefing

3 November 2021

Coronavirus
COVID-19
Public Health
Advice

Cases, numbers in hospital and intensive care

Following a period of stability in September 2021, there was a rapid increase in the number of daily cases and the numbers in hospital and ICU during October 2021. Case counts continue to increase. Numbers in hospital and ICU have fallen in recent days; the underlying trend us unclear.

Coronavirus **COVID-19** Public Health Advice

	Apr 2020	Summer 2020	Oct 2020	Dec 2020	Jan 2021	Jun 2021	12 Oct	19 Oct	26 Oct	2 Nov	Daily count 3 Nov
Cases confirmed per day	859 18-04	8.7 25-06	1158 21-10	262 12-12	6516 10-01	308 19-06	1477	1877	2116	2612	3174
14-day incidence *per 100,000 population*	212 19-04	3.0 04-07	306 26-10	79 09-12	1528 15-01	91 20-06	394	493	590	695	
Hospital in-patients	862 17-04	9 02-08	333 01-11	198 16-12	1949 24-01	43 29-06	370	436	471	493	460
Hospital admissions per day	*85* *04-04*	*<1* *10-07*	*27* *26-10*	*11* *13-12*	*158* *15-01*	*6* *27-06*	*45*	*58*	*46*	*61*	49
ICU confirmed cases	150 *14-04*	4 *04-08*	43 *04-11*	26 *27-12*	217 *28-01*	13 *27-06*	73	72	93	95	86
ICU admissions per day	*14* *31-03*	*<1* *03-06*	*4* *03-11*	*1* *16-12*	*20* *17-01*	*<1* *02-07*	*5*	*5*	*6*	*6*	6

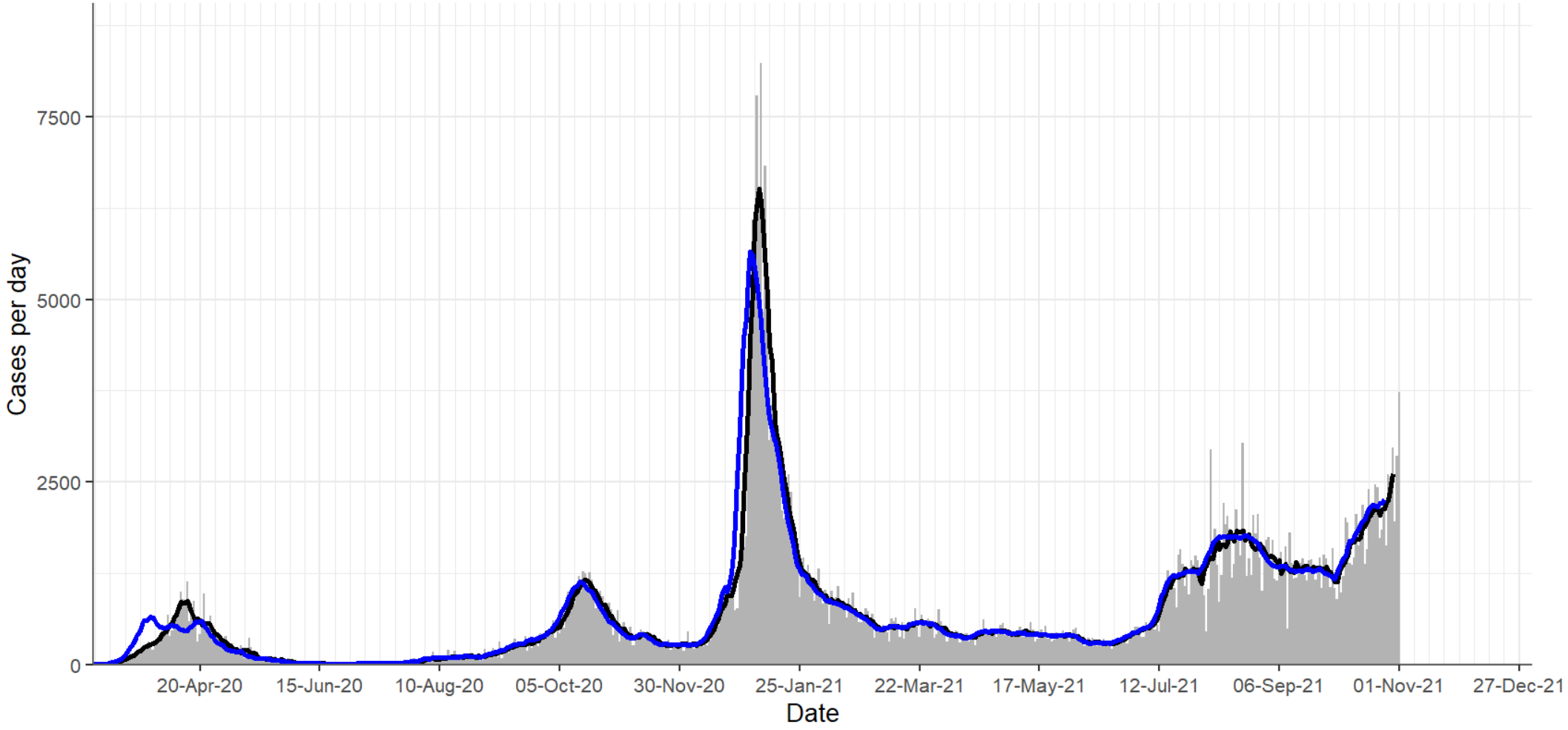
Data are 7-day averages (the indicated day and the preceding 6 days, rounded to the nearest whole number) with the exception of 14 day cumulative incidence, which is the total number of cases in the preceding 14 days per 100,000 population. The highest and lowest values of each indicator are given for each wave of the pandemic, along with the date on which that value was recorded, as well as the data for recent weeks. The historic incidence data may change due to denotification of cases.

Rialtas na hÉireann
Government of Ireland

Cases per day

Daily count and 7-day rolling average. Case numbers have increased rapidly over the last 14 days: the 7-day average is now **2612**, up from **2116** seven days ago, **1877** two weeks ago and **1477** three weeks ago.

Coronavirus
COVID-19
Public Health
Advice



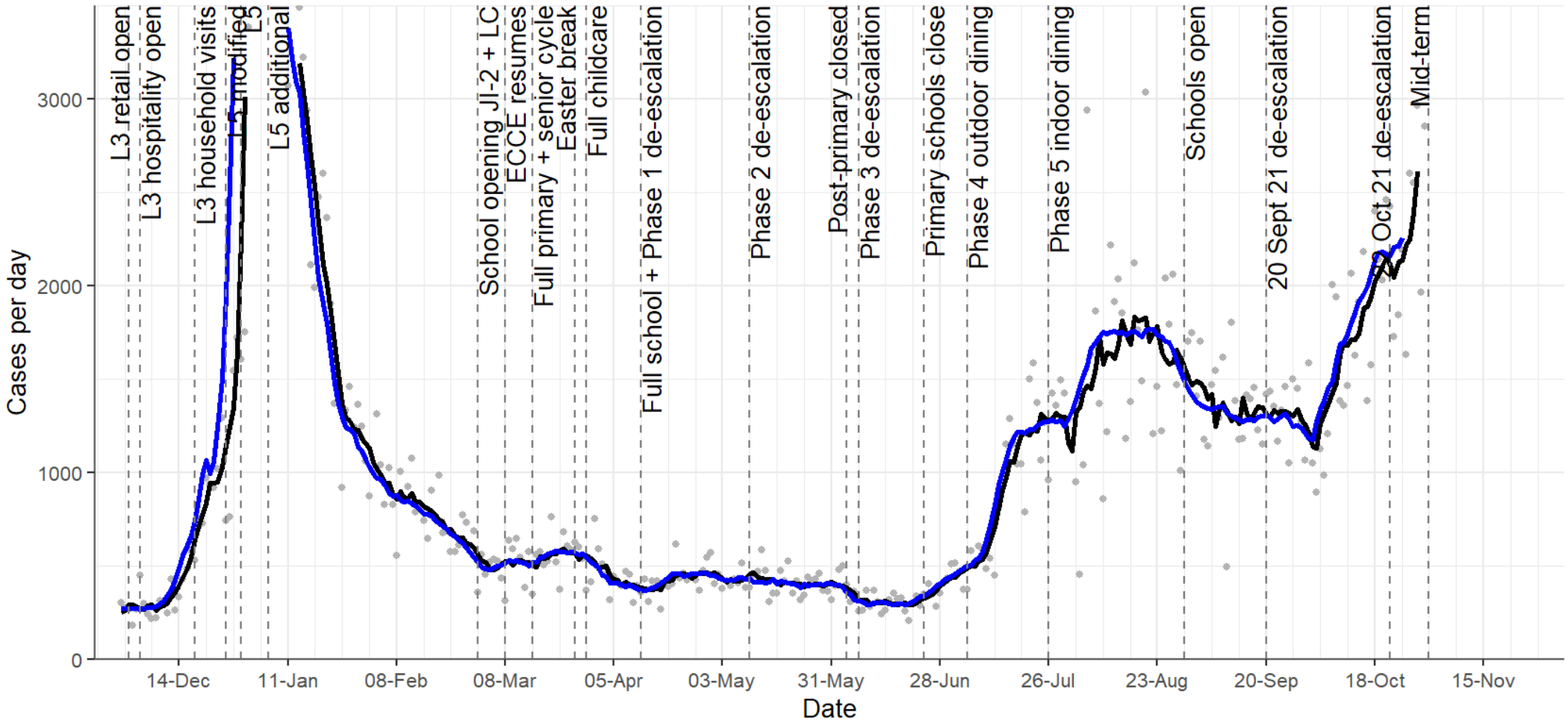
Daily cases by notification date (bars) and 7-day average case count by notification date (black line) and specimen collection date (blue line)
CIDR data to midnight Mon 01 Nov 2021. Data by specimen collection date truncated 4 days before report.

Rialtas na hÉireann
Government of Ireland

Cases per day

Daily count and 7-day rolling average. Case numbers have increased rapidly over the last 14 days: the 7-day average is now **2612**, up from **2116** seven days ago, **1877** two weeks ago and **1477** three weeks ago.

Coronavirus
COVID-19
Public Health
Advice



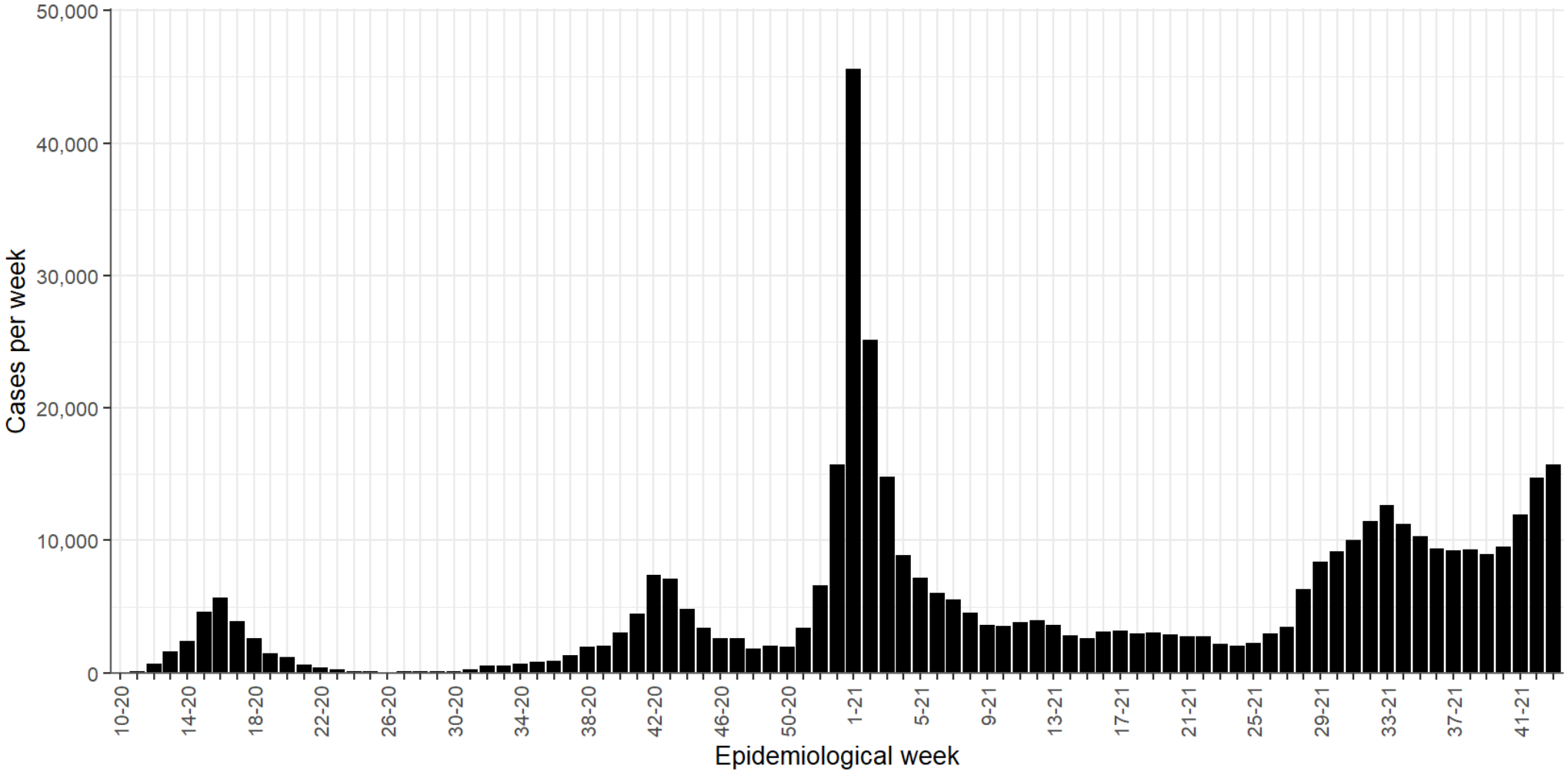
Daily cases by notification date (points) and 7-day average case count by notification date (black line) and specimen collection date (blue line)
Vertical dashed lines mark escalation and de-escalation of public health measures.
CIDR data to midnight Mon 01 Nov 2021. Data by specimen collection date truncated 4 days before report.

Rialtas na hÉireann
Government of Ireland

Cases per week

15,740 cases were reported in epidemiological week 43 of 2021; we have reported a higher number of cases in only two weeks of the pandemic to date.

Coronavirus
COVID-19
Public Health
Advice



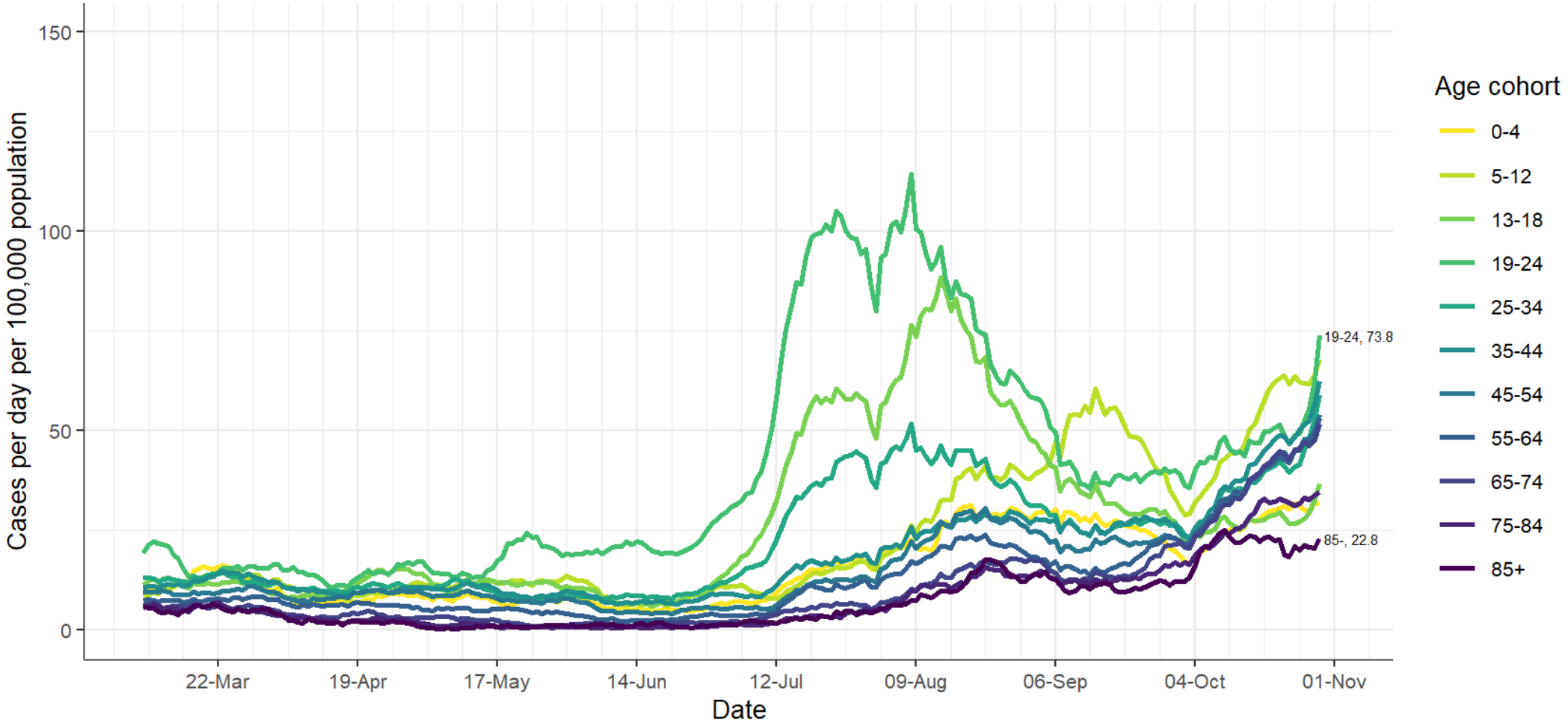
CIDR data to midnight Mon 01 Nov 2021. Cases dated by date notified to HPSC (event creation date).

Rialtas na hÉireann
Government of Ireland

Age-specific incidence (excl. LTRF and hospital outbreaks)

Incidence has risen very rapidly in those aged 19-24 years, and across all adult age groups up to 75 years of age, over the last week. The increase in incidence in those aged 13-18 years during the mid-term break is noteworthy. The lower incidence in those aged over 75 years may be due to the effects of booster vaccinations and/or reduced social contact .

Coronavirus
COVID-19
Public Health
Advice



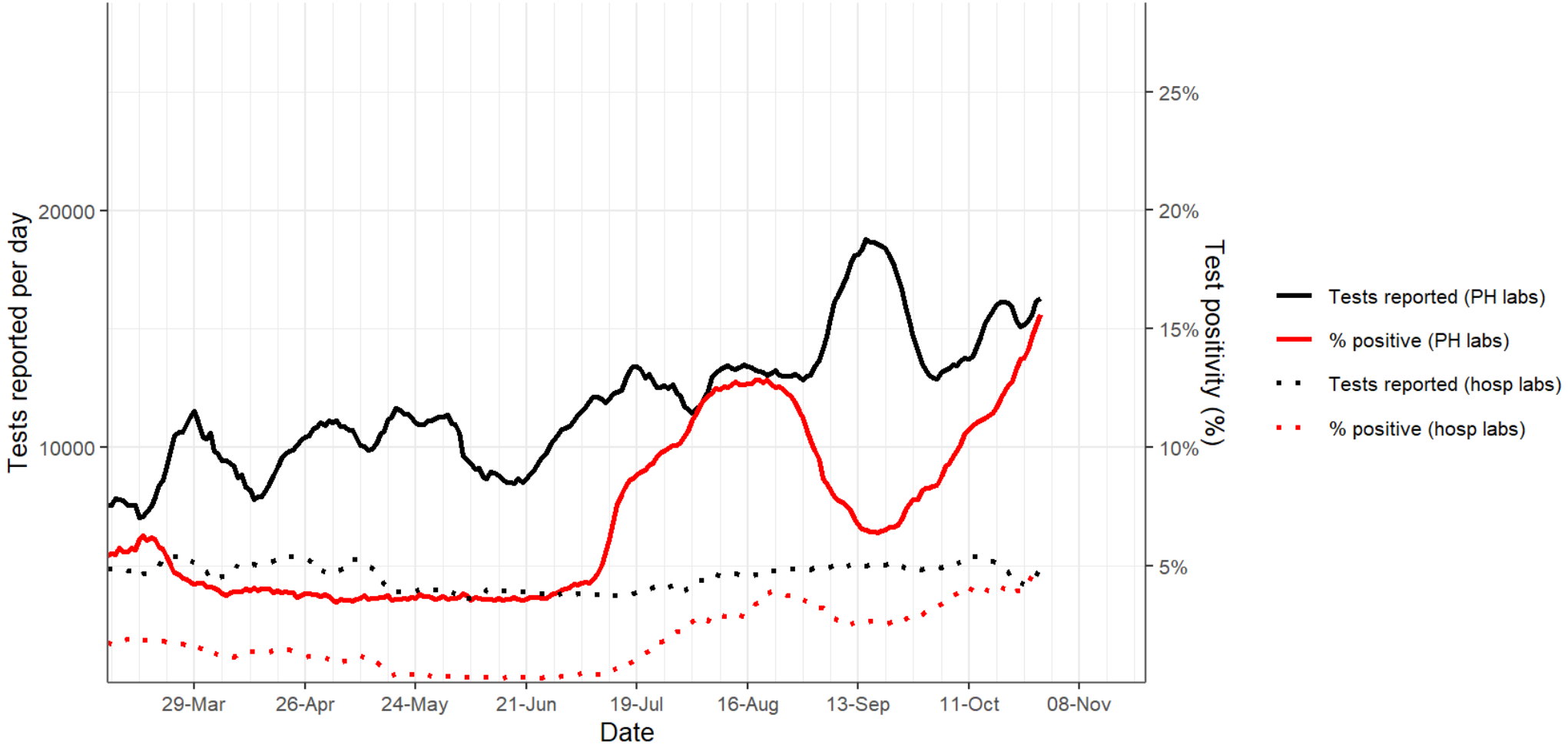
Age-specific incidence (cases per day per 100,000 population). 7-day moving average.
Cases associated with outbreaks in long-term residential facilities (LTRF)and outbreaks in hospitals excluded.
CIDR data to midnight Mon 01 Nov 2021. Cases dated by date notified to HPSC (event creation date).

Rialtas na hÉireann
Government of Ireland

Tests and test positivity

The demand for testing is high and increasing. Test positivity is increasing also, now over 15% for public health laboratories, and 5% for tests conducted in hospital laboratories.

Coronavirus
COVID-19
Public Health
Advice



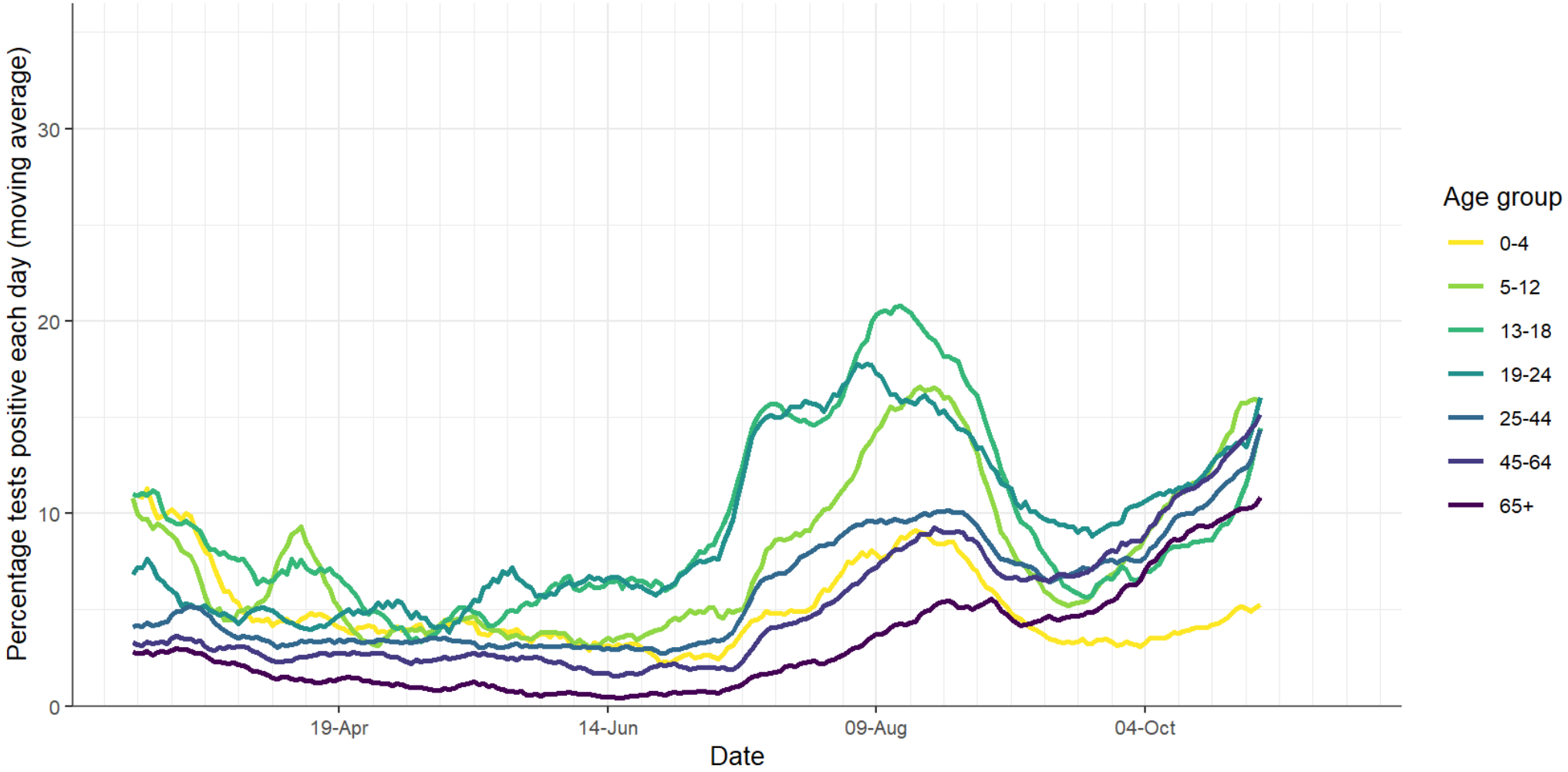
Total tests reported per day (black) and % of tests reported positive (red) for tests conducted in public health laboratories (NVRL and Cherry Orchard, solid lines) and tests conducted in hospital laboratories (dotted lines). 7-day moving averages.

Rialtas na hÉireann
Government of Ireland

Test positivity by age

Test positivity has increased across all age groups, most markedly in those aged 13-65 years.

Coronavirus
COVID-19
Public Health
Advice



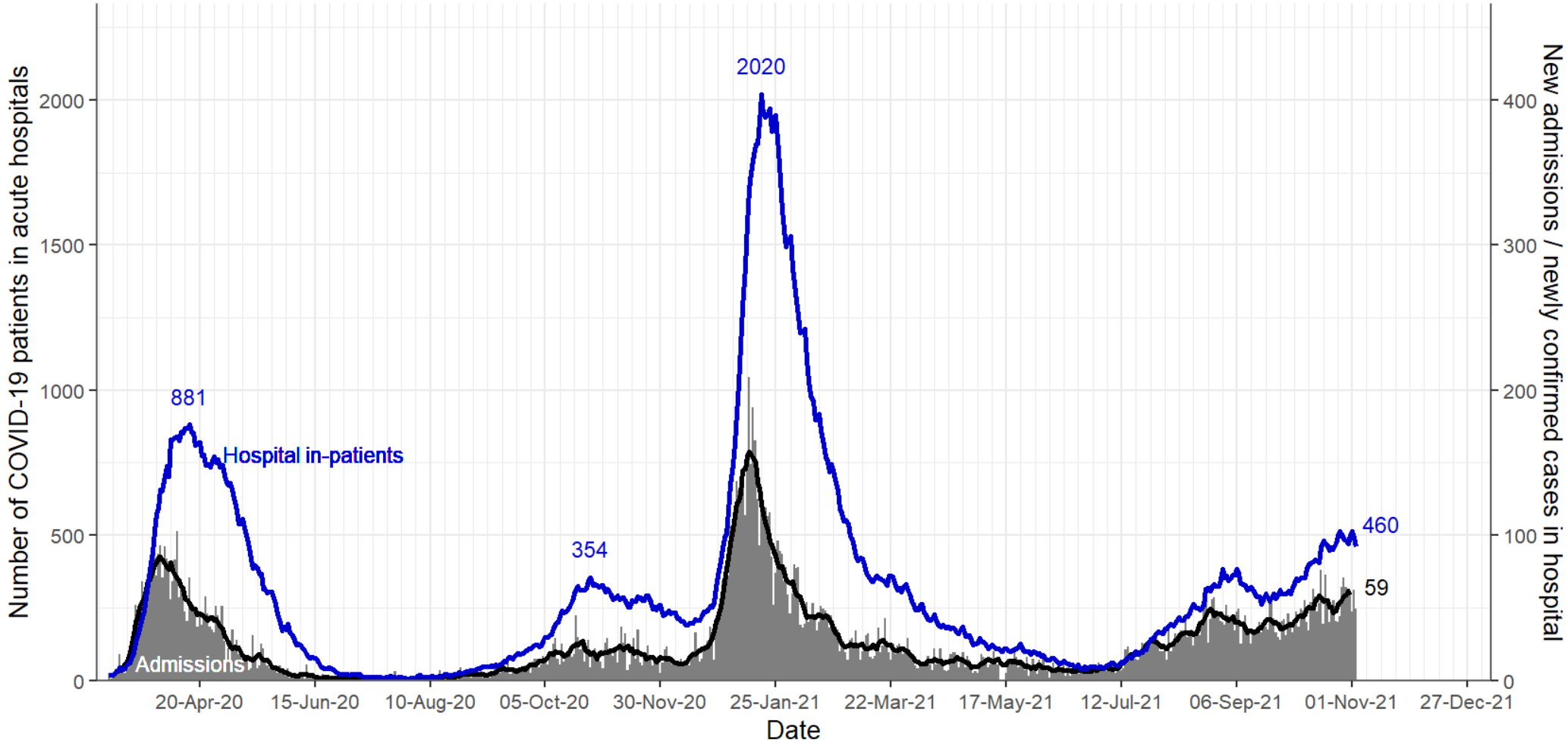
Percentage of tests each day reported as positive (7-day moving average) by age group. Laboratory testing data to Sun 31 Oct 2021.

Rialtas na hÉireann
Government of Ireland

Confirmed cases in acute hospitals

The number of people in hospital with confirmed SARS-CoV-2 infection. The number of people in hospital has increased over the last six weeks and is now **460**. The number of admissions and newly confirmed cases in hospital per day has increased to an average of **61 per day**.

Coronavirus **COVID-19** Public Health Advice



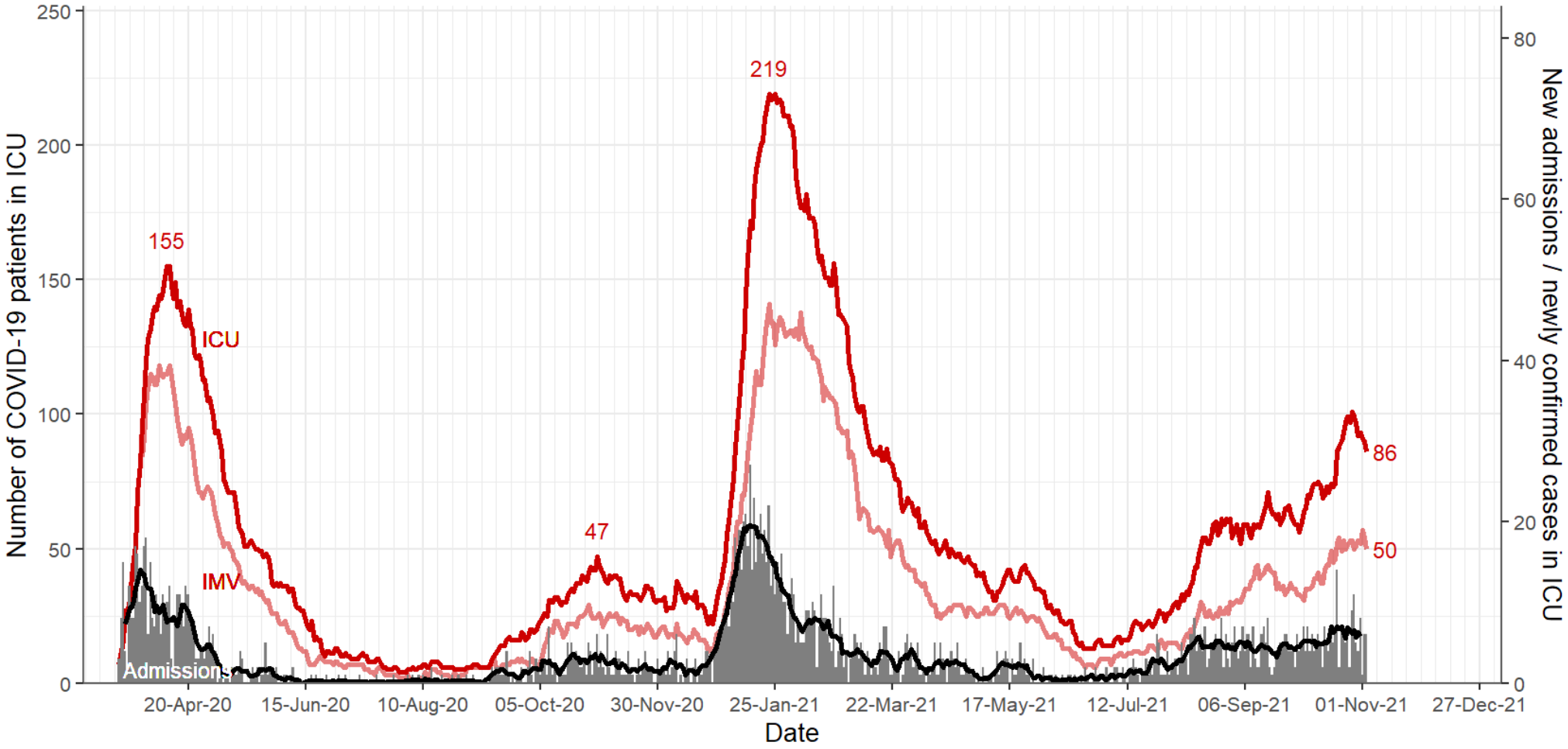
Number of in-patients with COVID-19 (blue line) and number of newly admitted or newly confirmed cases per day(columns, with 7-day moving average, black line, secondary y-axis) on HSE acute hospital sites. HSE PMIU-SDU data to Wed 03 Nov 2021.

Rialtas na hÉireann Government of Ireland

Confirmed cases in intensive care

The number of people in ICU with confirmed SARS-CoV-2 infection and the number requiring mechanical ventilation have increased significantly over the last two weeks. **86** people in ICU, **50** mechanically ventilated, average **6** admissions per day.

Coronavirus **COVID-19** Public Health Advice



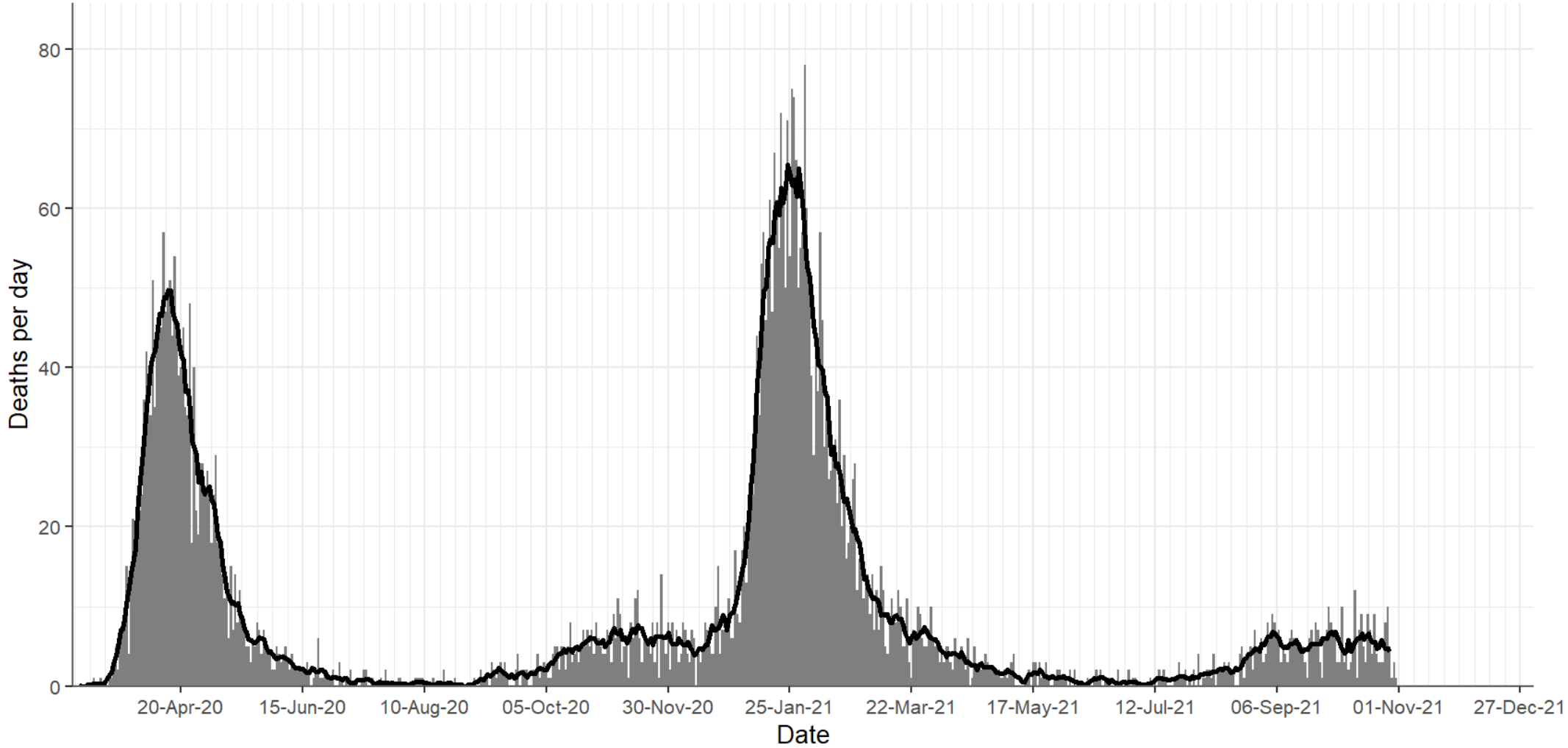
Number of in-patients with COVID-19 in ICU (solid red line) number requiring mechanical ventilation (IMV, pale red line), and number of new admissions per day (columns, with 7-day moving average, black line, secondary y-axis). NOCA ICU-BIS data to Wed 03 Nov 2021.

Rialtas na hÉireann
Government of Ireland

Deaths

Deaths per day are relatively constant at approximately 5 per day, or 150 deaths per month. This is likely to increase in the coming weeks, though vaccination and booster vaccination of those aged 80 years and older may reduce mortality.

Coronavirus
COVID-19
Public Health
Advice



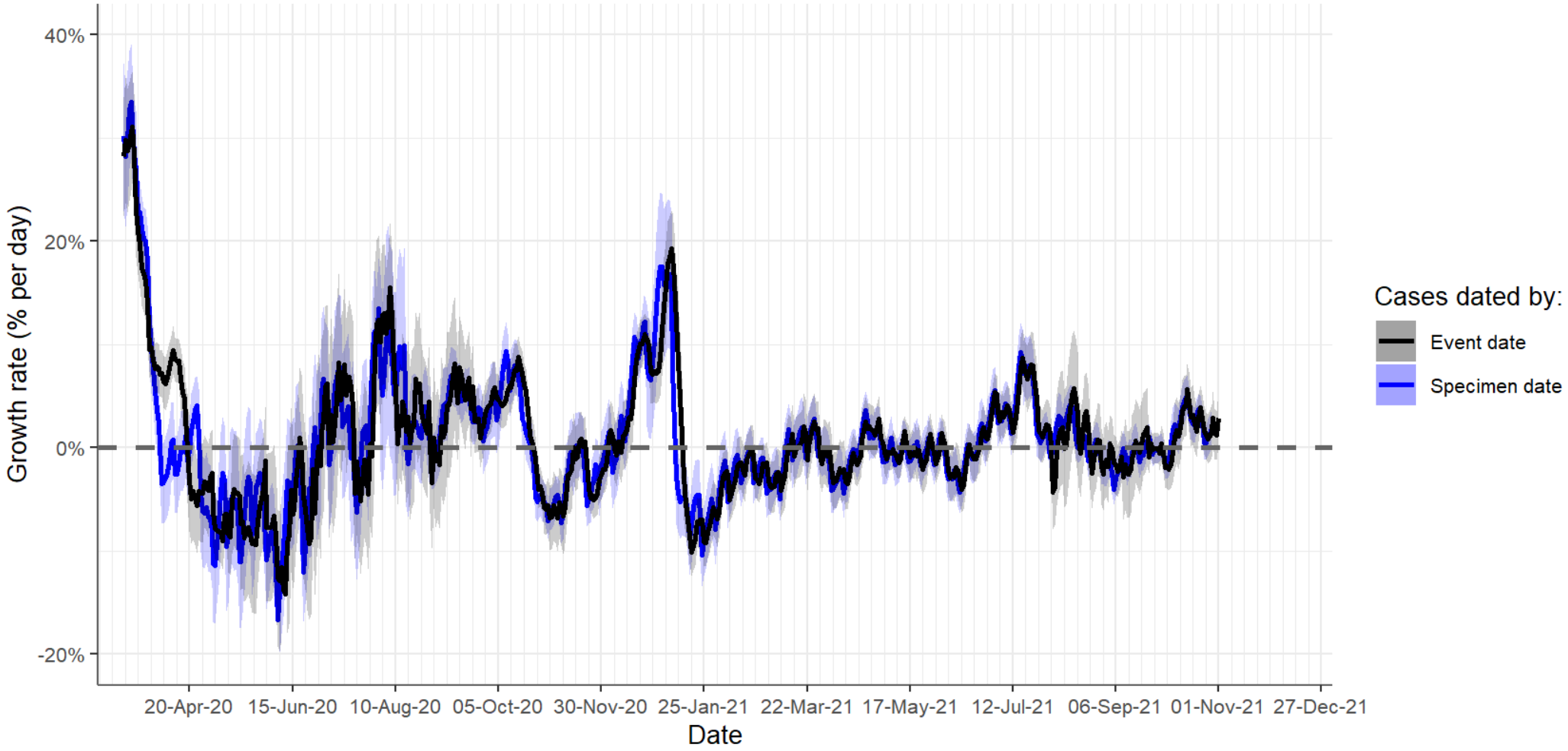
Deaths each day (bars) by date of death, with 7-day moving average (line). CIDR data to midnight Mon 01 Nov 2021.

Rialtas na hÉireann
Government of Ireland

Growth rate

Growth rate for cases is 2.9% per day (0.2% – 5.5%) over a 14-day window and 2.8% per day (0.9% - 3.7%) over a 21-day window. The number of people in hospital is growing at 0.8% (0.3% - 1.2%) per day over a 14-day window. This growth rate compares with growth rates of 4-5% per day in September and October 2020 and July 2021, and in excess of 10% per day in January 2021. The growth rate may be an underestimate due to delayed presentations over the bank holiday weekend and mid-term.

Coronavirus
COVID-19
Public Health
Advice



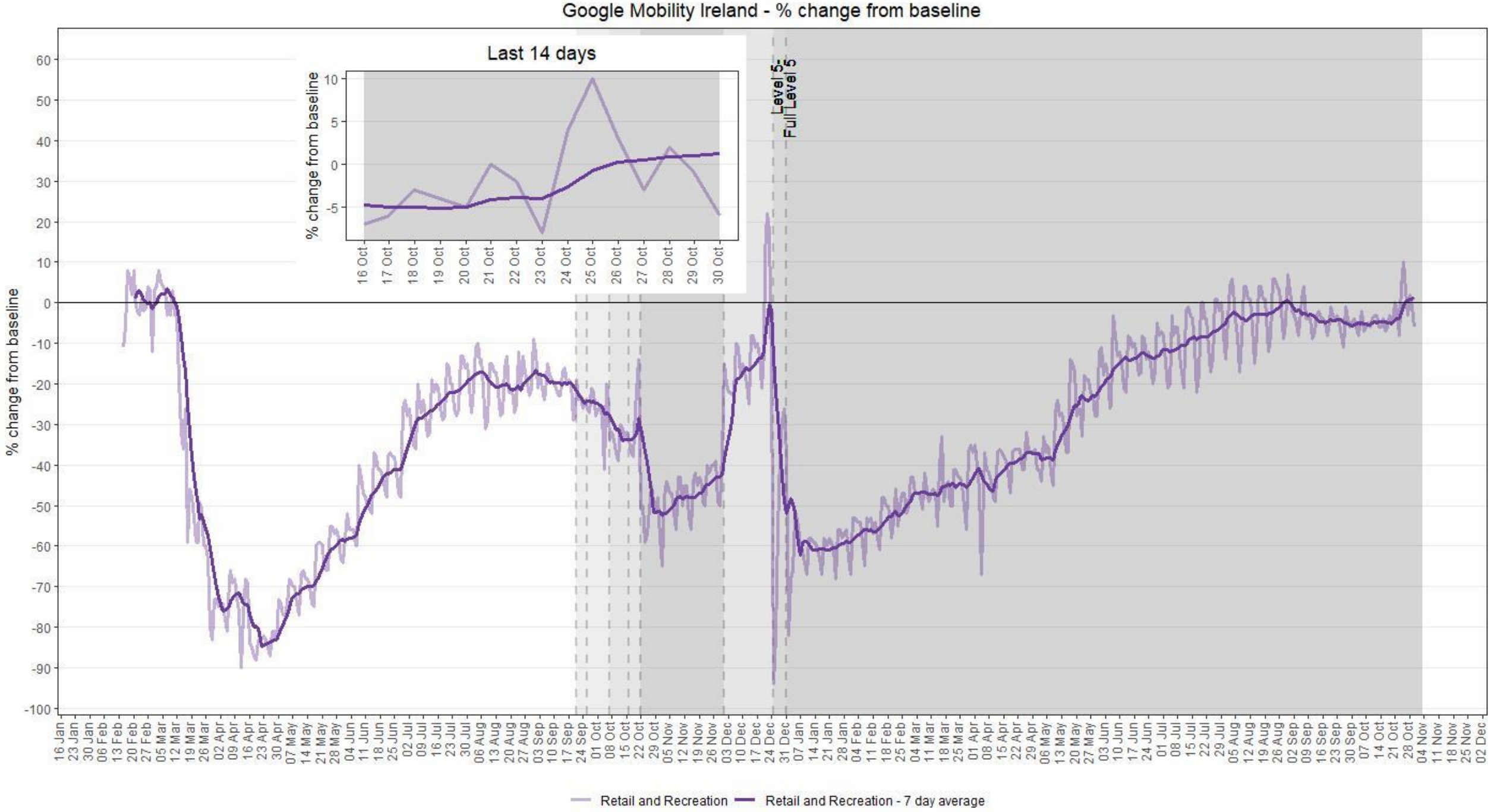
Growth rate in case counts using a 14-day window. Mean and 95% confidence intervals.
CIDR data to midnight Mon 01 Nov 2021. Cases dated by date specimen collected or date notified to HPSC (event date)

Rialtas na hÉireann
Government of Ireland

Situation analysis 3 November 2021

Coronavirus COVID-19 Public Health Advice

- Incidence high and increasing
  - Cases (7-day average) 2612, up from 2,116 seven days ago, 1,877 two weeks ago and 1,477 three weeks ago
  - 14-day incidence 695 per 100,000
  - Incidence increasing across all age groups
    - Most makedly in 16-24 year olds and 25-64 year olds.
  - 460 in hospital, 86 in ICU, 50 ventilated
  - Test positivity has increased across all age groups
- Growth rate
  - Cases: 2-3% per day
  - Numbers in hospital: ≈1% per day
- Cleary driven by increased social contact and reduced risk mitigation (ESRI SAM data)
  - Amarach: 1 in 4 people in hospitality last weekend not checked for COVID passes
  - Mobility showing higher levels of activity
- Future trajectory very uncertain
  - Increase in cases during and after school breaks has been seen before, but force of infection very high and rising rapidly.
  - Changing relationship between cases and hospitalisation
- Individual, institutional and sectoral attention to risk mitigation


Google Mobility Ireland - % change from baseline
Last 14 days
% change from baseline
Level 5-
Full Level 5
Retail and Recreation
Retail and Recreation - 7 day average
Updated 30 October