



An Roinn Sláinte
Department of Health

NPHET COVID Update 29th March 2021

Current situation



	01-Oct	26-Oct (2 nd wave peak 14 day inc.)	01-Dec	01-Jan	14-Jan (3 rd wave peak 14 day inc.)	16-Mar	20-Mar	24-Mar	28-Mar
14-day incidence	96.08	306.20	86.90	320.67	1494.81	147.90	149.94	159.10	164.52
5-day average cases	407.0	919.4	261.0	1477.2	4460.4	497.8	500.8	572.0	619.8
Total weekly cases	2607	7000	1893	9420	35379	3712	3462	3939	3990

	01-Oct	26-Oct (2 nd wave peak 14 day inc.)	01-Dec	01-Jan	14-Jan (3 rd wave peak 14 day inc.)	16-Mar	20-Mar	24-Mar	28-Mar
No. Hospital (8.A.M)	122	344	224	508	1792	355	328	329	322
No. in ICU (6.30 P.M)	22	40	30	42	176	85	87	76	65

	01-Oct	26-Oct (2 nd wave peak 14 day inc.)	01-Dec	01-Jan	14-Jan (3 rd wave peak 14 day inc.)	16-Mar	20-Mar	24-Mar	28-Mar
Positivity rate (7 day average)	3.0%	6.1%	2.7%	12.5%	17.0%	3.7%	3.9%	4.0%	3.6%

	November	December	January	February	March
Total Deaths	186	197	1371	803	167
Deaths associated with Nursing Home outbreaks	55	66	520	311	31
Deaths associated with Hospital outbreaks	68	68	197	128	28

Cases, numbers in hospital and intensive care

There is progress against all indicators of disease, though cases and the number of people requiring hospital care remain high. The numbers of people in hospital and ICU continue to decrease slowly. The number of deaths per day is stable.



	Apr 2020	Summer 2020	Oct 2020	Dec 2020	Jan 2021	3 Mar	10 Mar	17 Mar	24 Mar	28 Mar	Daily count 28 Mar
Cases confirmed per day	859 18-04	8.7 25-06	1158 21-10	262 12-12	6520 10-01	620	487	520	564	570	604
14-day incidence <i>per 100,000 population</i>	212 19-04	3.0 04-07	306 26-10	79 09-12	1532 15-01	199	163	148	159	165	
Hospital in-patients	862 17-04	9 02-08	333 01-11	198 16-12	1949 24-01	542	415	351	345	329	322
<i>Hospital admissions per day</i>	85 04-04	<1 10-07	27 26-10	11 13-12	158 15-01	23	24	23	24	21	18
ICU confirmed cases	150 14-04	4 04-08	43 04-11	26 27-12	217 28-01	127	100	86	81	72	66
<i>ICU admissions per day</i>	14 31-03	<1 03-06	4 03-11	1 16-12	20 17-01	4	4	3	3	2	5
Deaths confirmed per day	46 22-04	<1 30-07	7 01-12	4 17-12	57 03-02	18	20	10	9	12	13

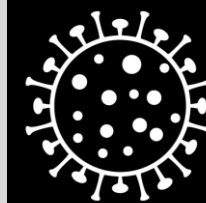
Data are 7-day averages (the indicated day and the preceding 6 days, rounded to the nearest whole number) with the exception of 14 day cumulative incidence, which is the total number of cases in the preceding 14 days per 100,000 population. The highest and lowest values of each indicator are given for 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.



Cases, Incidence Rates & Testing

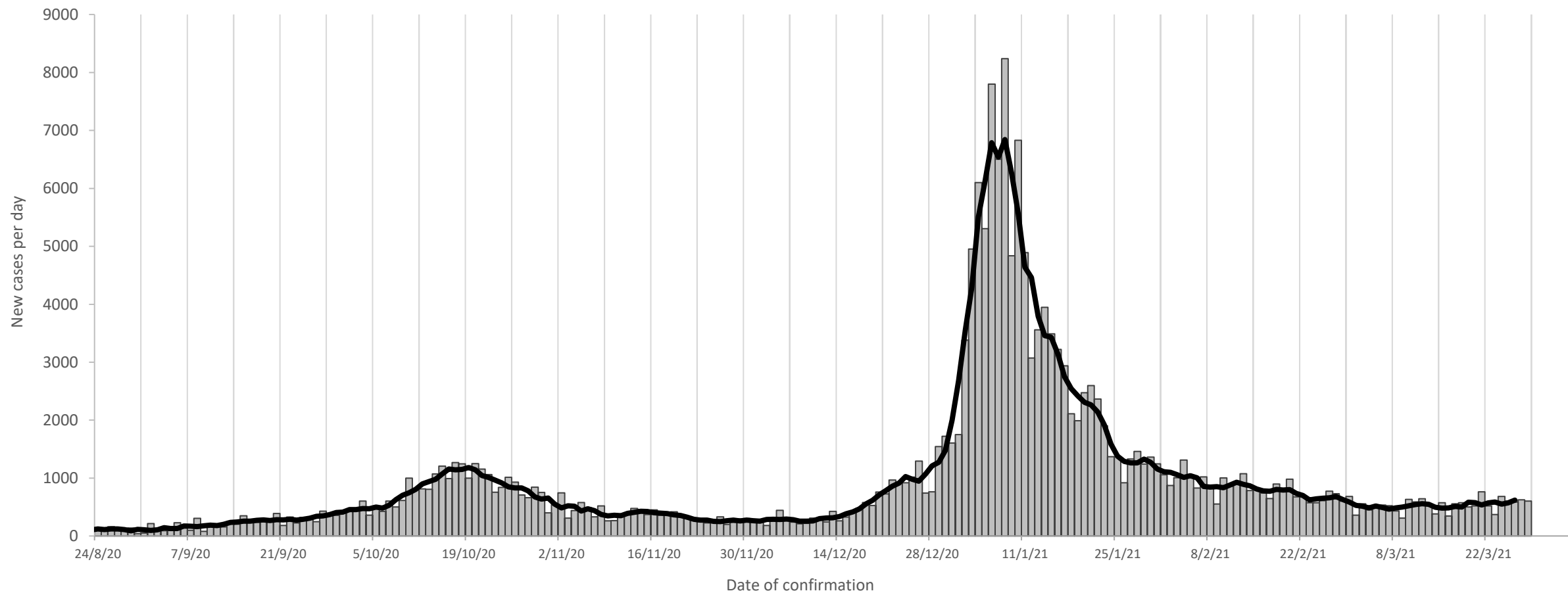
Confirmed cases each day

Daily and weekly count and 5-day rolling average. The 5-day average peaked at 1186 on 21 October, reached a low of 251 on 28 November, peaked again at 6847 on 8 January, reached a low of 476 on 8 March, and is now increasing at **620**



Coronavirus
COVID-19
Public Health
Advice

Cases per week	796	912	1303	1947	2059	3031	4457	7398	7073	4838	3424	2583	2580	1798	2028	1964	3368	6597	15722	45617	25116	14811	8924	7145	6028	5527	4550	3630	3536	3844	3990
----------------	-----	-----	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	-------	-------	-------	-------	------	------	------	------	------	------	------	------	------



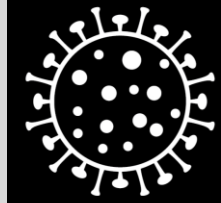
Daily count (bars) 5-day average (line) and weekly counts of the number of laboratory confirmed new cases by date on which they were confirmed by HPSC. Case counts may change due to denotification of cases. Weekly case counts are by notification (event) date and standard epidemiological week.



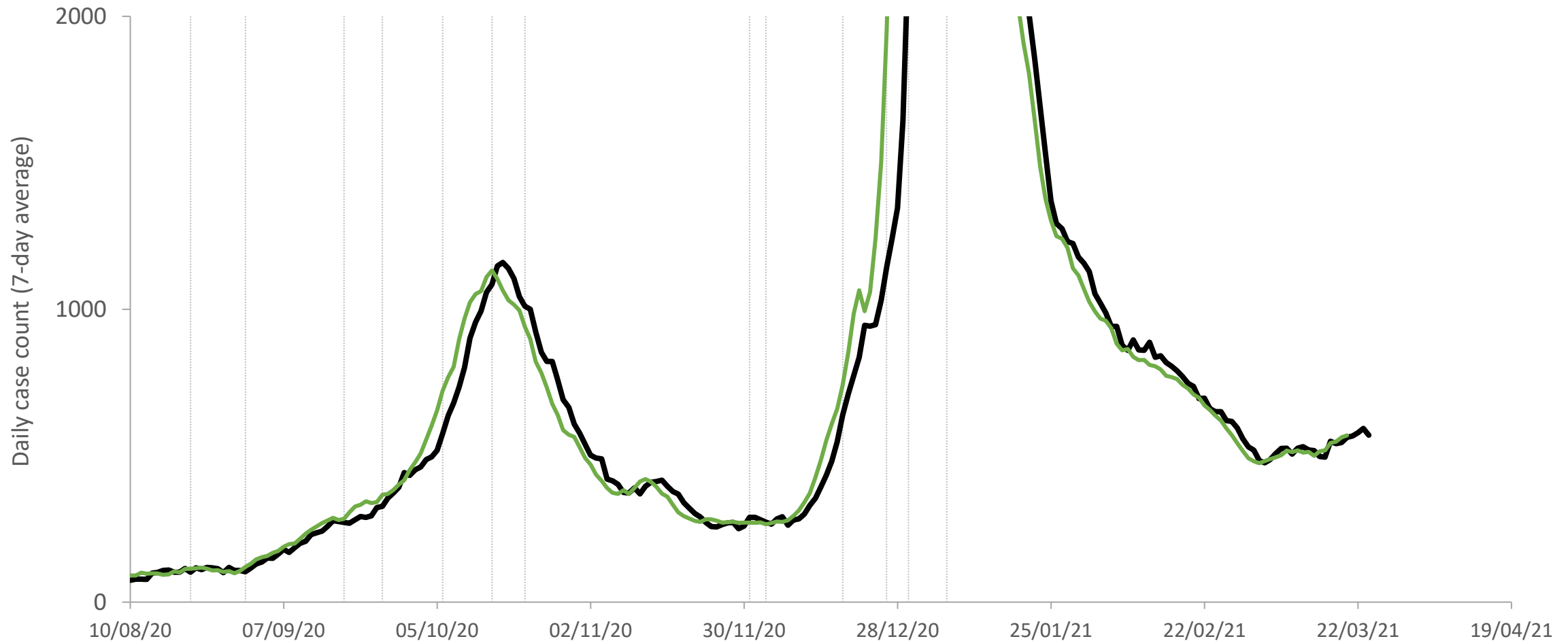
Rialtas na hÉireann
Government of Ireland

Daily incidence

Daily incidence is currently twice what it was in early December, and approximately 50 times what it was in late June 2020. Incidence is plateaued or increasing slowly at approximately 600 cases per day.



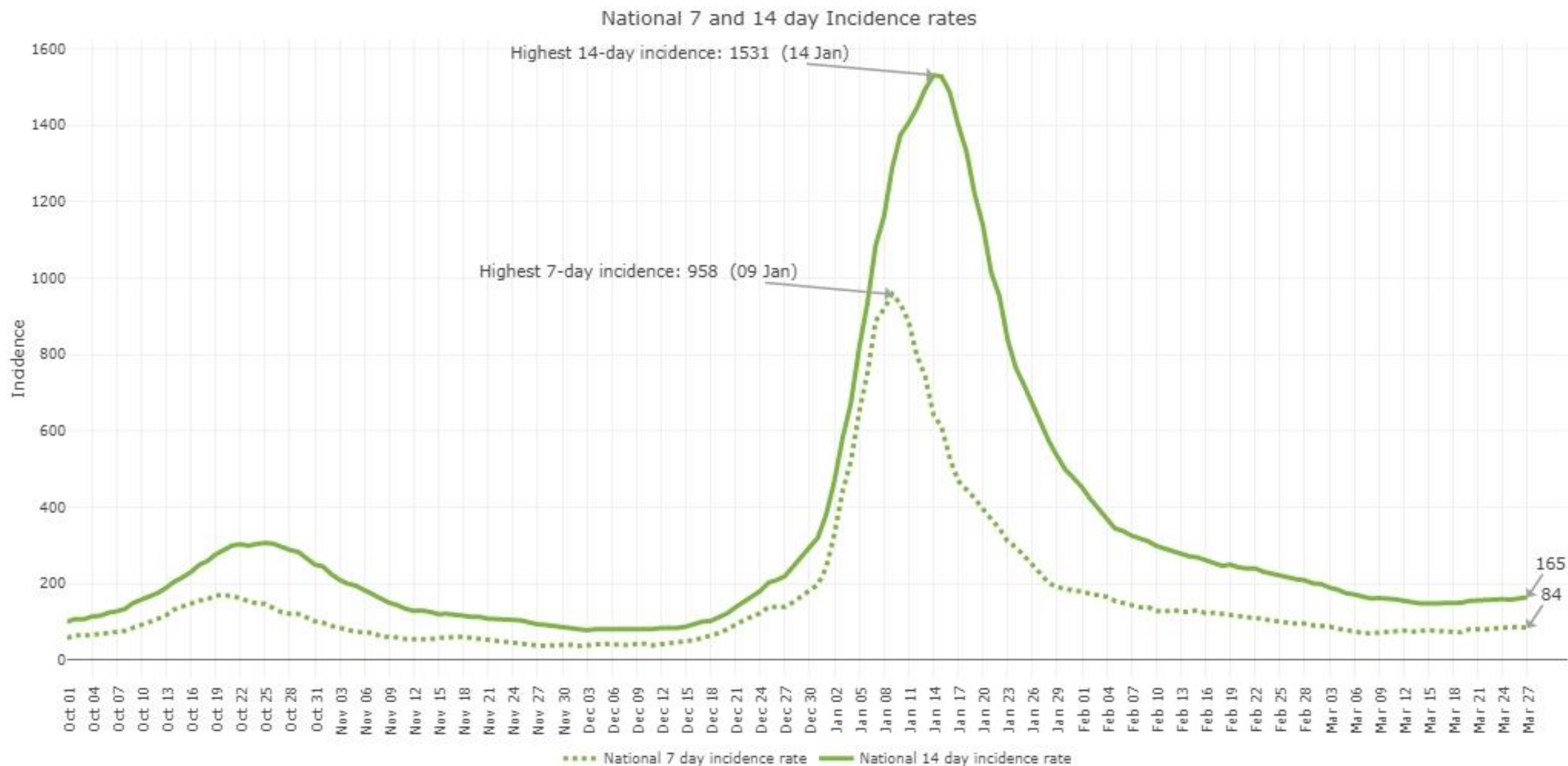
Coronavirus
COVID-19
Public Health
Advice



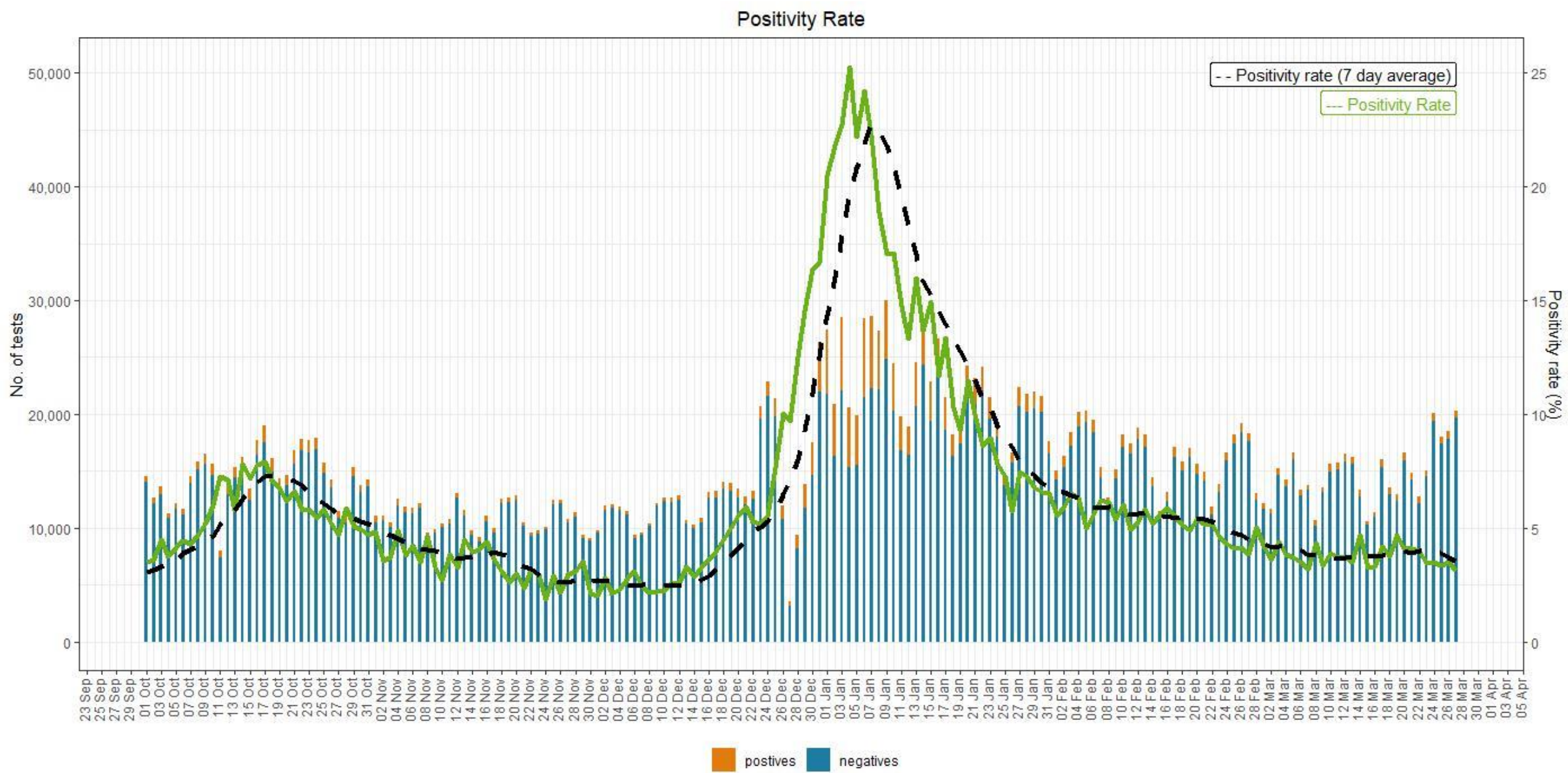
Daily cases by notification (event) date (black, the date the case was entered on the CIDR database) and specimen collection date (green). The vertical dashed lines indicate the dates of escalation and de-escalation of public health restrictions. Data are 7-day moving averages.



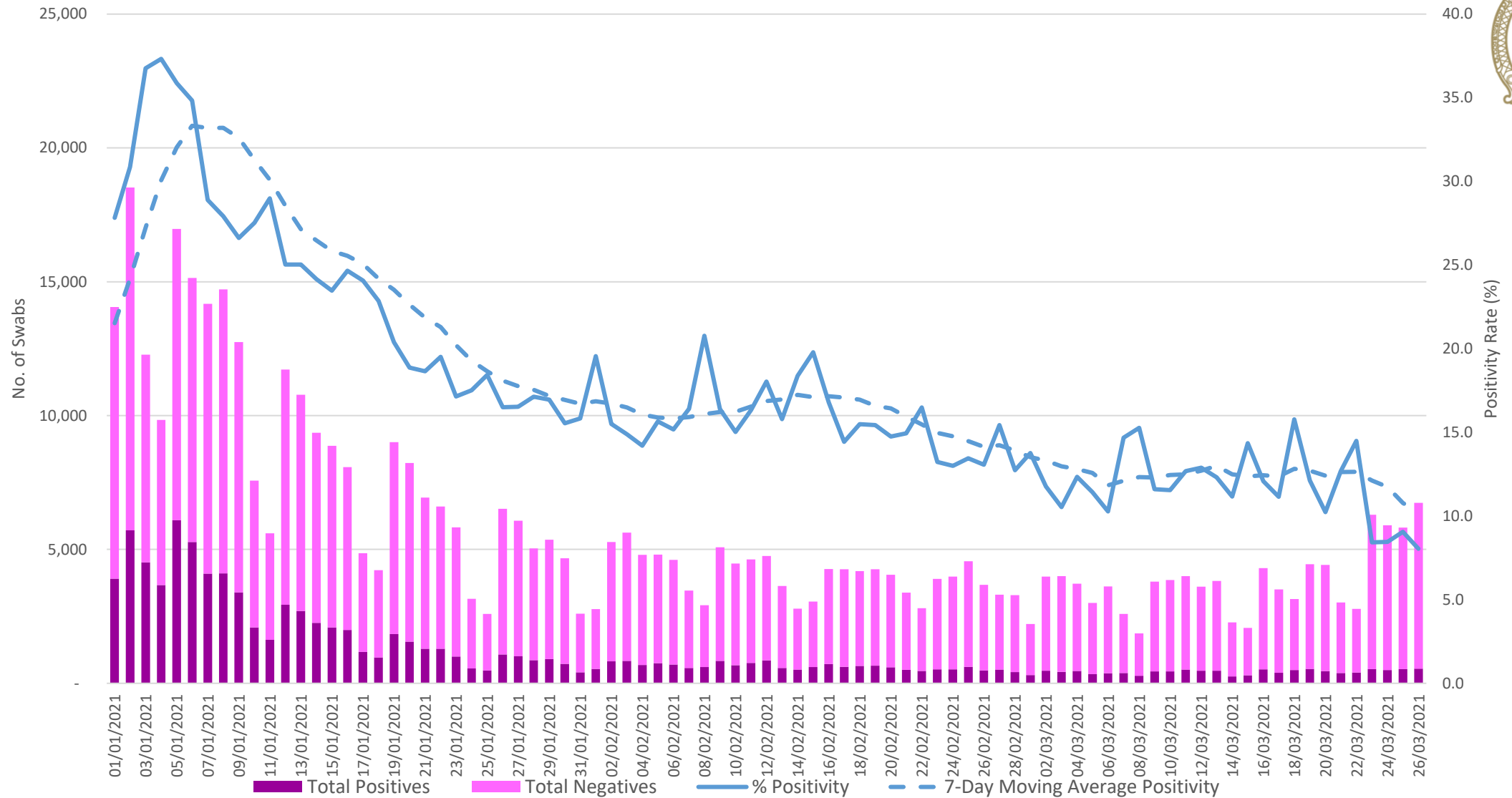
Rialtas na hÉireann
Government of Ireland



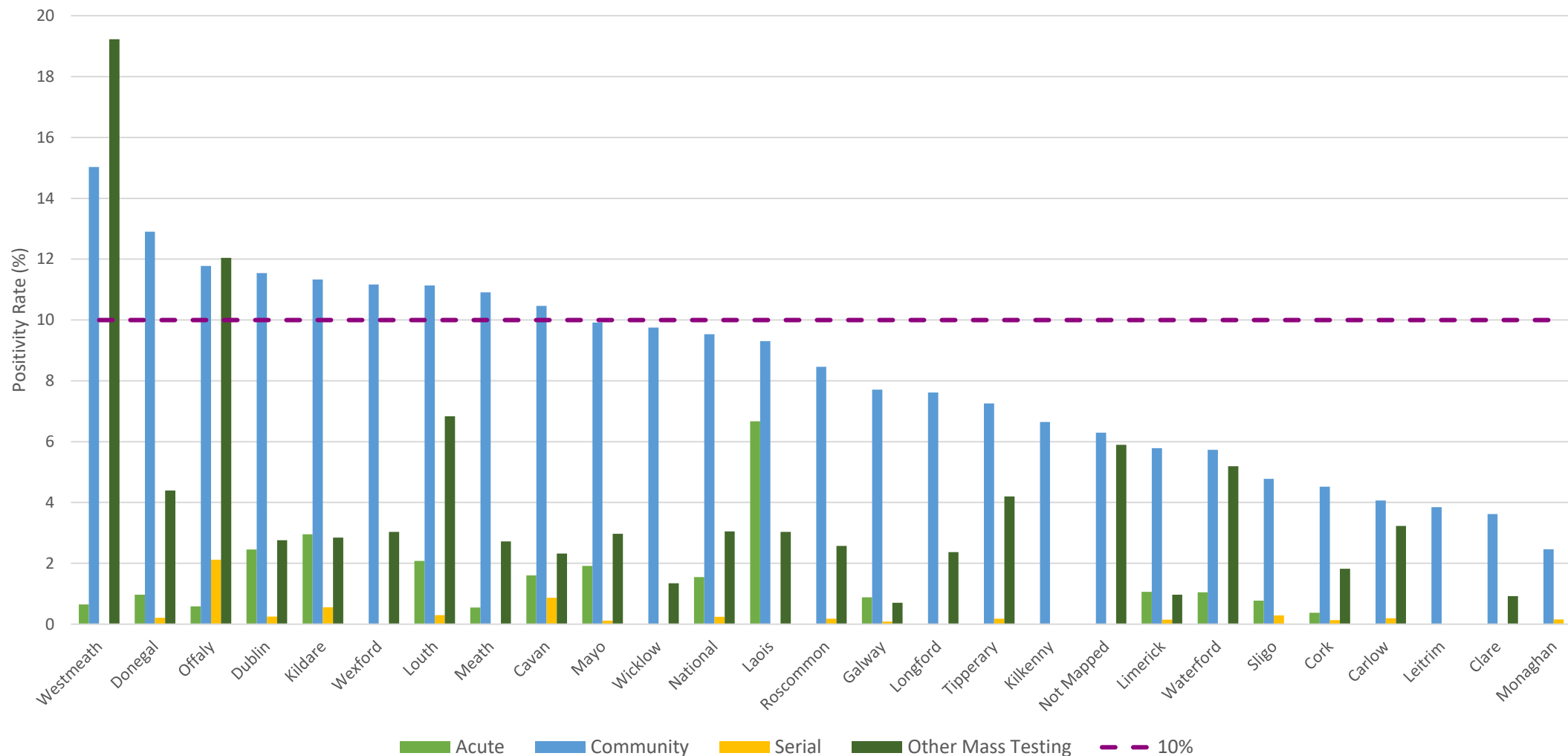
Recent trend in positivity rate



Community Testing (ex. acute, serial & mass): Total tests and % Positivity



% Positivity Rate Past 7 Days by Testing Pathway and County as at 27/03/21
 (Data provided by HSE Contact Tracing Team and may differ from daily positivity rate data from Cumulative Labs Report)

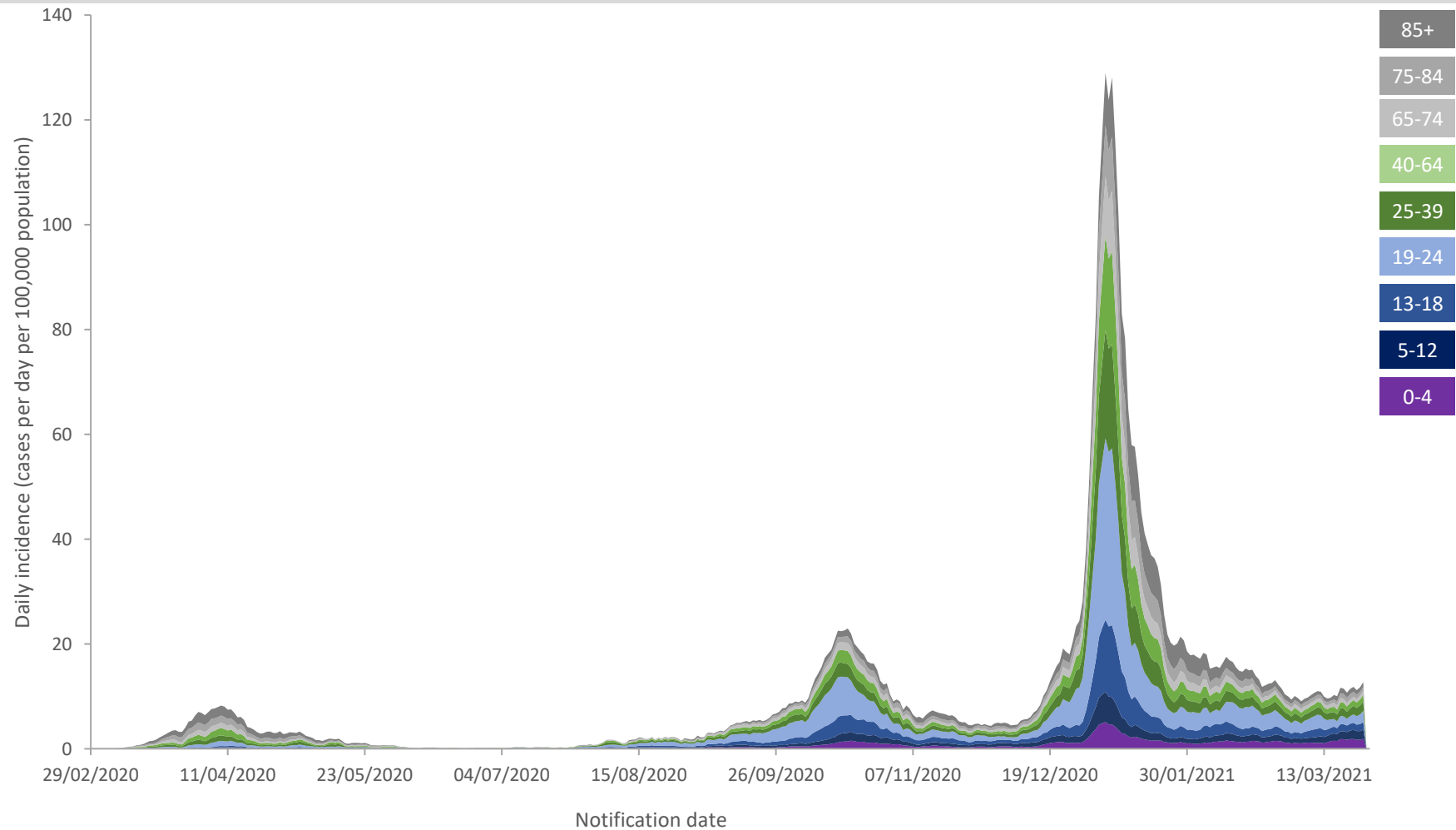


Location is based on location of Community Test Centre or Acute Hospital and not on patient's address

Updated 28/03/2021. Source: CRM data, HSE Contact and Tracing Team. Refers to positive lab results excluding private testing.

Acute=Swabs tested in acute hospital labs; Community=Swabs tested in Community labs for GP referrals (symptomatic, close contact etc), excluding serial and mass testing; Serial=Swabs tested under the Serial Testing Programme in Nursing Homes, Food Production, Mental Health and Disability; Other Mass=Swabs taken in response to an outbreak/case in facilities including workplaces, residential institutions, schools, nursing homes (ex. acute hospitals)

Incidence across different age groups (excluding HCW and LTRC)

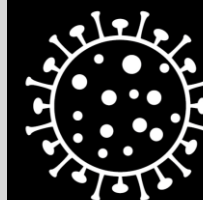


Week	Age band								
	0-4	5-12	13-18	19-24	25-39	40-64	65-74	75-84	85+
9	0.0	0.0	0.3	0.0	0.1	0.1	0.0	0.0	0.0
10	0.0	0.2	0.3	0.0	0.2	0.7	0.5	1.0	0.0
11	0.6	0.2	0.5	5.4	5.0	4.4	4.6	6.6	7.4
12	4.5	2.4	7.5	22.9	27.7	31.1	25.2	24.9	37.0
13	6.9	4.2	14.5	58.3	73.3	86.5	72.6	88.5	94.7
14	4.5	4.4	6.7	28.1	40.1	50.9	50.9	91.1	125.8
15	5.7	5.6	9.1	31.4	29.3	47.4	47.7	72.8	119.9
16	3.0	5.3	10.8	19.3	20.8	32.1	29.5	50.9	79.9
17	3.3	4.2	7.8	21.7	23.6	26.7	21.4	56.5	97.7
18	4.5	6.4	9.4	20.2	26.0	21.0	18.7	37.7	53.3
19	2.1	2.7	4.6	13.3	15.2	14.3	10.4	19.3	37.0
20	3.6	1.6	5.1	12.1	16.4	12.1	6.7	9.2	13.3
21	3.3	2.7	4.6	8.5	6.3	8.2	7.5	15.3	22.2
22	2.1	2.4	2.2	4.2	5.1	6.8	4.0	4.6	5.9
23	1.2	0.5	1.3	3.0	0.8	1.9	1.6	5.6	3.0
24	2.7	0.7	1.3	1.5	1.3	1.4	1.6	2.0	1.5
25	0.0	0.4	0.5	1.8	1.4	1.0	1.1	1.0	1.5
26	0.6	0.2	0.3	1.8	1.5	0.7	0.8	1.5	3.0
27	1.5	0.4	0.3	1.8	1.9	0.9	0.0	1.0	0.0
28	0.9	1.1	1.1	10.3	2.0	1.0	1.3	1.5	3.0
29	1.2	0.4	0.8	3.6	3.3	2.0	2.9	1.5	3.0
30	1.8	0.5	1.6	3.6	4.3	0.9	1.9	0.0	1.5
31	4.8	2.6	7.3	11.2	8.5	4.6	2.1	2.5	3.0
32	4.5	3.6	6.7	18.4	16.4	10.5	4.6	2.5	3.0
33	6.0	10.0	12.1	27.2	19.5	12.1	8.6	2.5	7.4
34	7.2	7.5	17.5	37.4	16.6	11.4	5.9	5.1	4.4
35	6.3	9.7	13.5	37.1	18.4	11.1	4.8	9.2	5.9
36	13.0	13.1	17.2	47.7	21.6	13.3	11.0	11.7	14.8
37	17.2	17.9	30.1	63.4	28.7	24.4	22.2	8.7	10.4
38	21.7	26.2	43.9	90.6	44.0	34.9	33.2	19.8	19.2
39	12.1	22.6	42.8	146.7	49.9	41.8	32.9	31.0	20.7
40	29.6	28.8	63.2	167.6	68.0	57.8	34.5	26.0	20.7
41	42.8	46.8	132.9	316.7	115.3	89.7	61.6	51.9	60.7
42	78.1	90.6	198.3	434.2	154.4	142.9	90.5	67.2	71.1
43	81.7	93.9	174.7	302.2	123.4	121.7	85.4	82.4	84.4
44	55.8	67.6	95.8	155.8	75.5	77.6	55.2	55.5	59.2
45	34.7	39.7	58.1	83.9	57.8	45.9	42.8	44.3	47.4
46	41.9	37.2	65.7	89.7	45.3	44.7	32.4	42.7	71.1
47	22.0	34.1	59.7	79.4	34.6	33.0	28.9	39.7	62.2
48	23.2	31.3	45.5	66.4	33.8	29.6	22.2	36.1	40.0
49	28.4	36.8	37.7	40.5	33.2	30.1	25.4	29.0	41.4
50	21.4	39.9	44.1	57.4	39.8	35.0	22.5	31.0	22.2
51	51.9	58.5	74.5	128.3	87.9	81.1	54.3	54.5	51.8
52	77.5	76.9	120.0	326.1	176.0	134.5	95.6	95.2	119.9
53	218.1	236.6	514.0	1401.5	760.8	636.1	423.8	350.1	361.2
1	183.7	208.9	569.2	1330.0	791.1	721.6	497.7	446.3	556.6
2	130.6	126.7	303.0	580.0	414.7	419.9	301.2	409.2	578.8
3	93.5	81.3	168.7	330.6	254.3	243.6	170.5	252.4	414.5
4	74.2	60.9	127.6	229.2	154.2	147.3	118.9	161.8	267.9
5	78.1	72.9	126.5	208.3	127.0	123.2	85.9	116.5	211.7
6	91.7	85.1	124.6	224.3	117.4	100.9	68.5	90.1	125.8
7	87.5	76.5	96.6	253.0	106.5	88.5	59.4	78.9	114.0
8	87.8	69.8	89.6	185.7	94.3	76.9	43.4	55.0	87.3
9	66.7	57.0	64.9	125.3	75.7	57.9	44.7	45.8	41.4
10	68.2	68.0	90.7	146.7	79.2	59.2	39.4	40.7	41.4
11	108.0	90.6	79.1	87.6	86.9	62.6	46.3	55.0	60.7
12	90.8	84.9	69.7	93.6	82.7	57.8	33.7	36.6	41.4

Chart shows 5-day rolling average of total incidence (cases per day per 100,000 population) with coloured bands showing the contribution of each age cohort to the total incidence, having adjusted for the number of people in that age cohort (CSO 2016 census data). Healthcare workers and cases associated with outbreaks in long-term residential care are excluded, so that the analysis reflects the pattern of cases in the community. Cases dated by notification date. A number of cases in those aged 65 and older will be linked in the coming days to outbreaks in LTRC.

Incidence across different age groups (excluding HCW and LTRC)

Incidence has increased in those aged 0-12 years over the last four weeks though this may have stabilised in the last week.



Coronavirus
COVID-19
Public Health
Advice

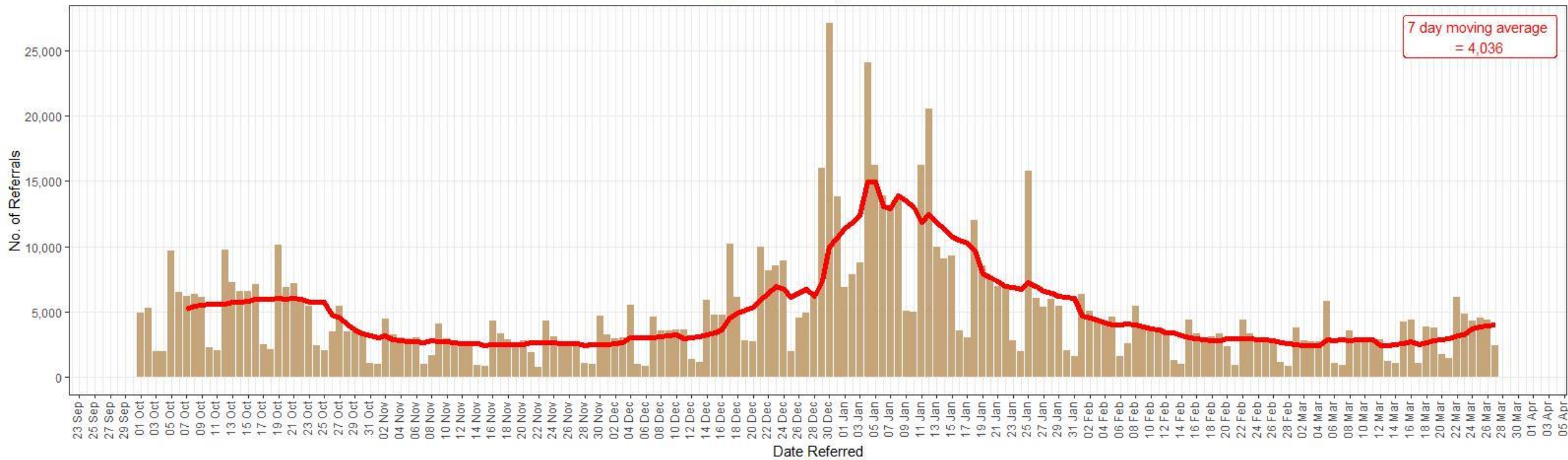
Week	Age band								
	0-4	5-12	13-18	19-24	25-39	40-64	65-74	75-84	85+
47	22.0	34.1	59.7	79.4	34.6	33.0	28.9	39.7	62.2
48	23.2	31.3	45.5	66.4	33.8	29.6	22.2	36.1	40.0
49	28.4	36.8	37.7	40.5	33.2	30.1	25.4	29.0	41.4
50	21.4	39.9	44.1	57.4	39.8	35.0	22.5	31.0	22.2
51	51.9	58.5	74.5	128.3	87.9	81.1	54.3	54.5	51.8
52	77.5	76.9	120.0	326.1	176.0	134.5	95.6	95.2	119.9
53	218.1	236.6	514.0	1401.5	760.8	636.1	423.8	350.1	361.2
1	183.7	208.9	569.2	1330.0	791.1	721.6	497.7	446.3	556.6
2	130.6	126.7	303.0	580.0	414.7	419.9	301.2	409.2	578.8
3	93.5	81.3	168.7	330.6	254.3	243.6	170.5	252.4	414.5
4	74.2	60.9	127.6	229.2	154.2	147.3	118.9	161.8	267.9
5	78.1	72.9	126.5	208.3	127.0	123.2	85.9	116.5	211.7
6	91.7	85.1	124.6	224.3	117.4	100.9	68.5	90.1	125.8
7	87.5	76.5	96.6	253.0	106.5	88.5	59.4	78.9	114.0
8	87.8	69.8	89.6	185.7	94.3	76.9	43.4	55.0	87.3
9	66.7	57.0	64.9	125.3	75.7	57.9	44.7	45.8	41.4
10	68.2	68.0	90.7	146.7	79.2	59.2	39.4	40.7	41.4
11	108.0	90.6	79.1	87.6	86.9	62.6	46.3	55.0	60.7
12	90.8	84.9	69.7	93.6	82.7	57.8	33.7	36.6	41.4

Heat map shows age-specific incidence (cases per week per 100,000 population). Healthcare workers and cases associated with outbreaks in long-term residential care are excluded, so that the analysis reflects the pattern of cases in the community. Cases dated by specimen collection date.



Rialtas na hÉireann
Government of Ireland

GP Referrals excluding Close Contacts



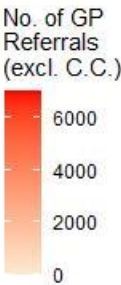
Feb

	1 6,330 referrals (-60%)	2 5,075 referrals (-17%)	3 4,455 referrals (-17%)	4 4,285 referrals (-29%)	5 4,609 referrals (-16%)	6 1,593 referrals (-23%)
7 2,609 referrals (+62%)	8 5,461 referrals (-14%)	9 3,981 referrals (-22%)	10 3,633 referrals (-18%)	11 3,547 referrals (-17%)	12 3,341 referrals (-28%)	13 1,341 referrals (-16%)
14 1,023 referrals (-61%)	15 4,414 referrals (-19%)	16 3,365 referrals (-15%)	17 3,059 referrals (-16%)	18 3,138 referrals (-12%)	19 3,360 referrals (+1%)	20 2,359 referrals (+76%)
21 949 referrals (-7%)	22 4,387 referrals (-1%)	23 3,367 referrals (0%)	24 2,947 referrals (-4%)	25 2,810 referrals (-10%)	26 2,885 referrals (-14%)	27 1,138 referrals (-52%)
28 871 referrals (-8%)						
Sun	Mon	Tue	Wed	Thu	Fri	Sat

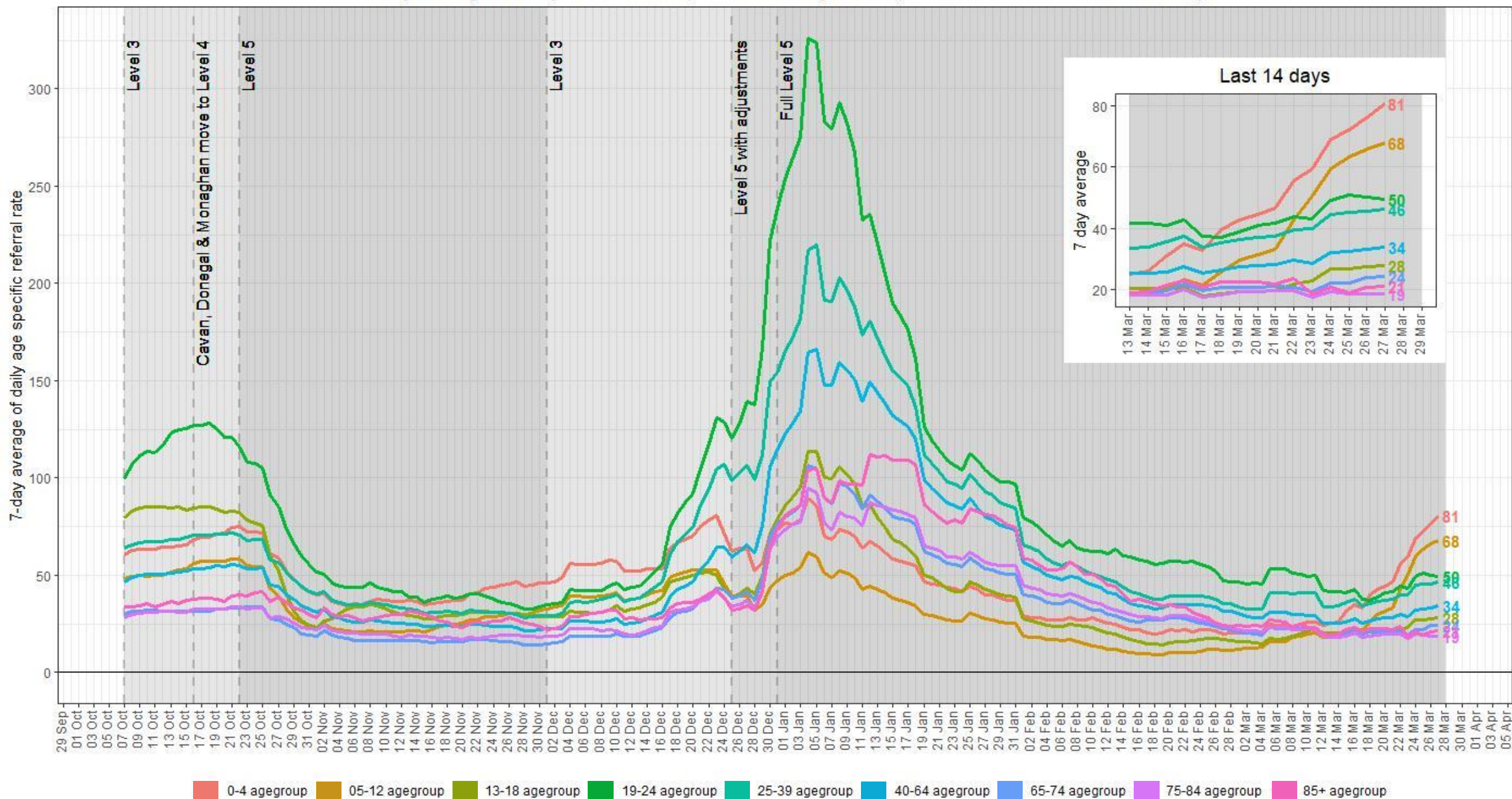
Mar

	1 3,828 referrals (-13%)	2 2,852 referrals (-15%)	3 2,755 referrals (-7%)	4 2,719 referrals (-3%)	5 5,857 referrals (+103%)	6 1,117 referrals (-2%)
7 911 referrals (+5%)	8 3,592 referrals (-6%)	9 3,059 referrals (+7%)	10 2,861 referrals (+4%)	11 2,734 referrals (+1%)	12 2,893 referrals (-51%)	13 1,226 referrals (+10%)
14 1,077 referrals (+18%)	15 4,233 referrals (+18%)	16 4,416 referrals (+44%)	17 1,123 referrals (-61%)	18 3,884 referrals (+42%)	19 3,798 referrals (+31%)	20 1,769 referrals (+44%)
21 1,494 referrals (+39%)	22 6,151 referrals (+45%)	23 4,831 referrals (+9%)	24 4,360 referrals (+288%)	25 4,568 referrals (+18%)	26 4,384 referrals (+15%)	27 2,466 referrals (+39%)
28	29	30	31			
Sun	Mon	Tue	Wed	Thu	Fri	Sat

Percentages refer to week on week % change, i.e. this Monday vs last Monday, etc.

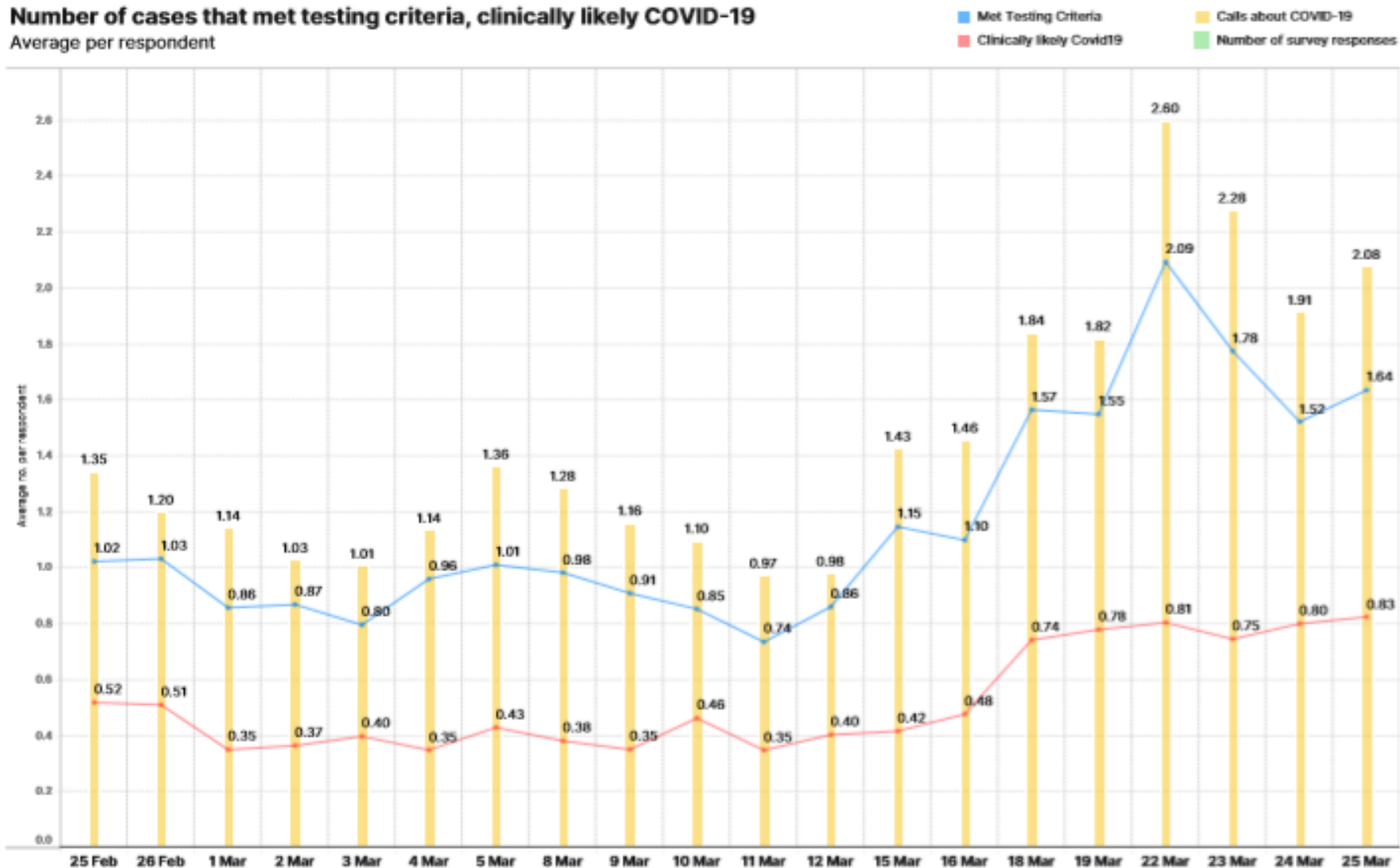


7-day Average of Daily Referral Rate per 100,000 Population (GP Referrals excl. Close Contacts)



Number of cases that met testing criteria, clinically likely COVID-19

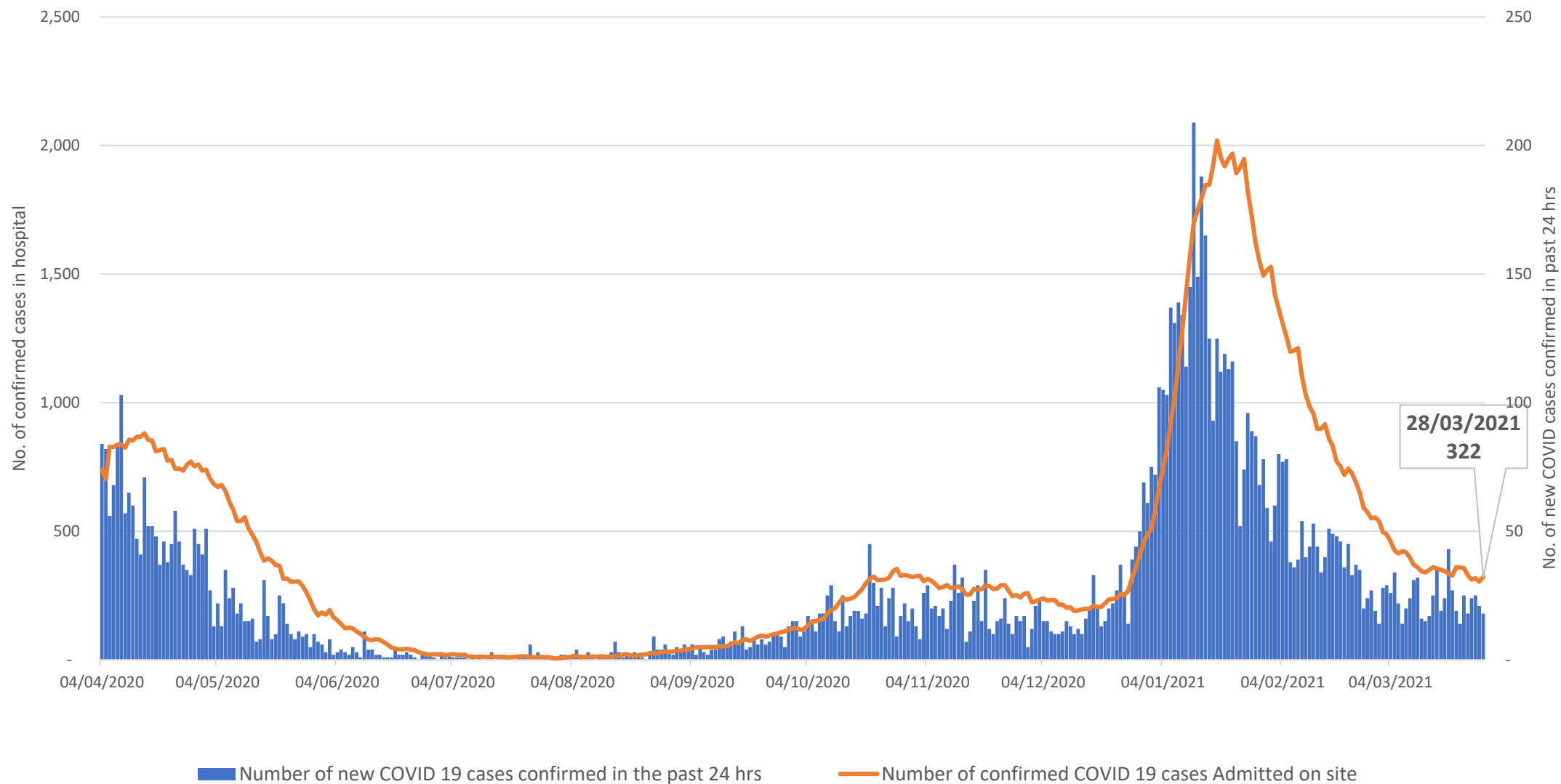
Average per respondent



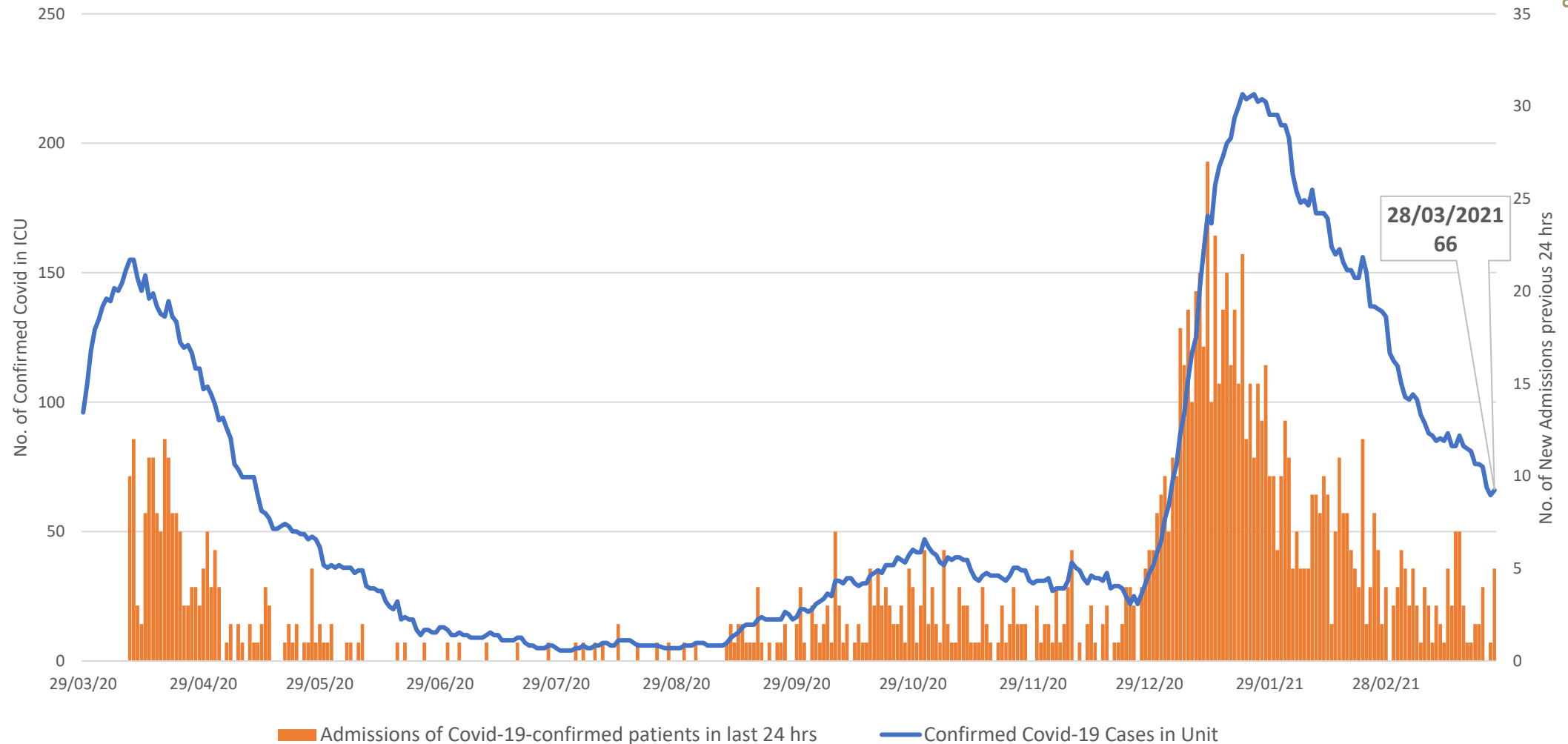


Hospital & ICU Data

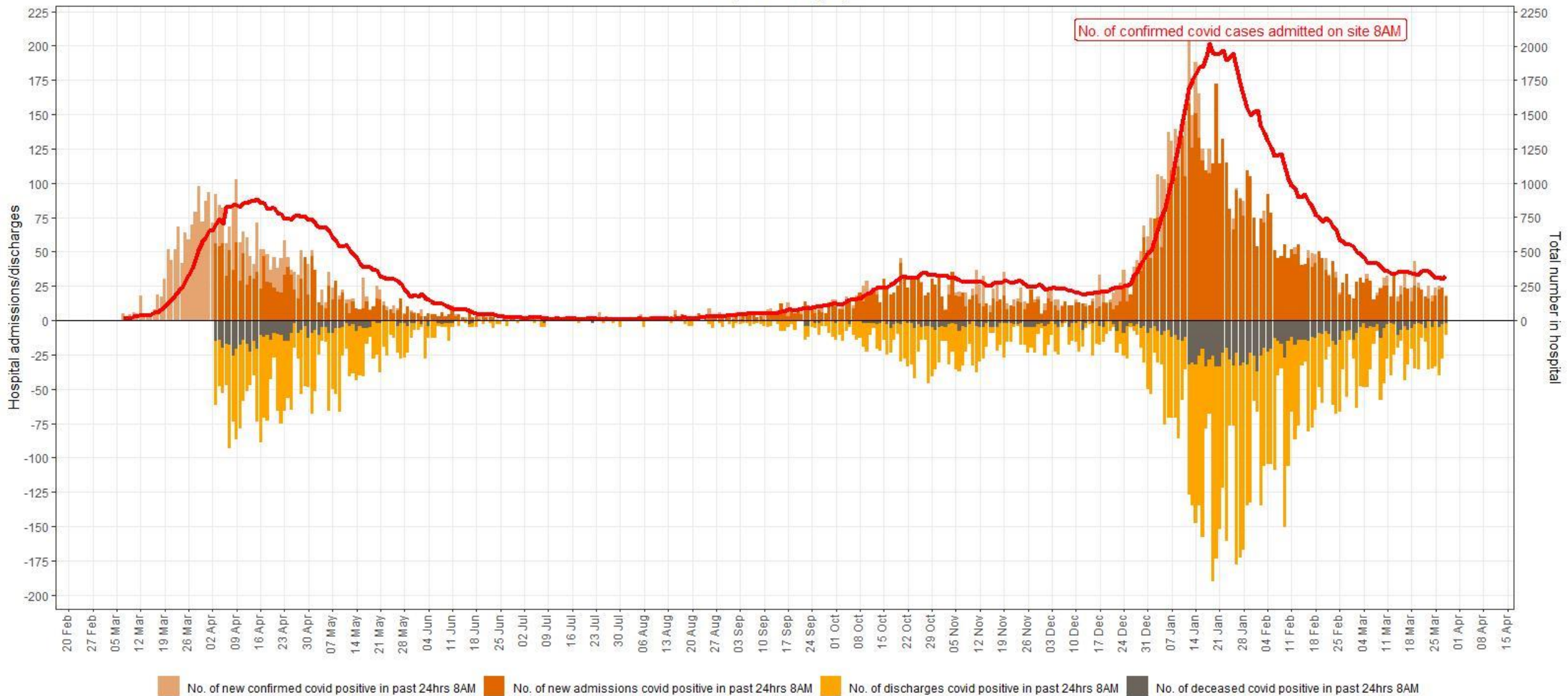
Total No. of Confirmed Covid Cases in Hospital at 8AM & No. of New Confirmed Covid Cases in Past 24 hrs



Total No. of Confirmed Covid Cases in ICU at 11.30AM & No. of New Confirmed Covid Admissions to ICU in past 24 hrs *(includes all reporting public & private hospitals and may differ from no. reported by HSE in public hospital ICU)*



Hospital SDU graph



Vo. of new confirmed covid positive in past 24hrs 8AM

No. of discharges covid positive in past 24hrs 8AM

No. of deceased covid positive in past 24hrs 8AM

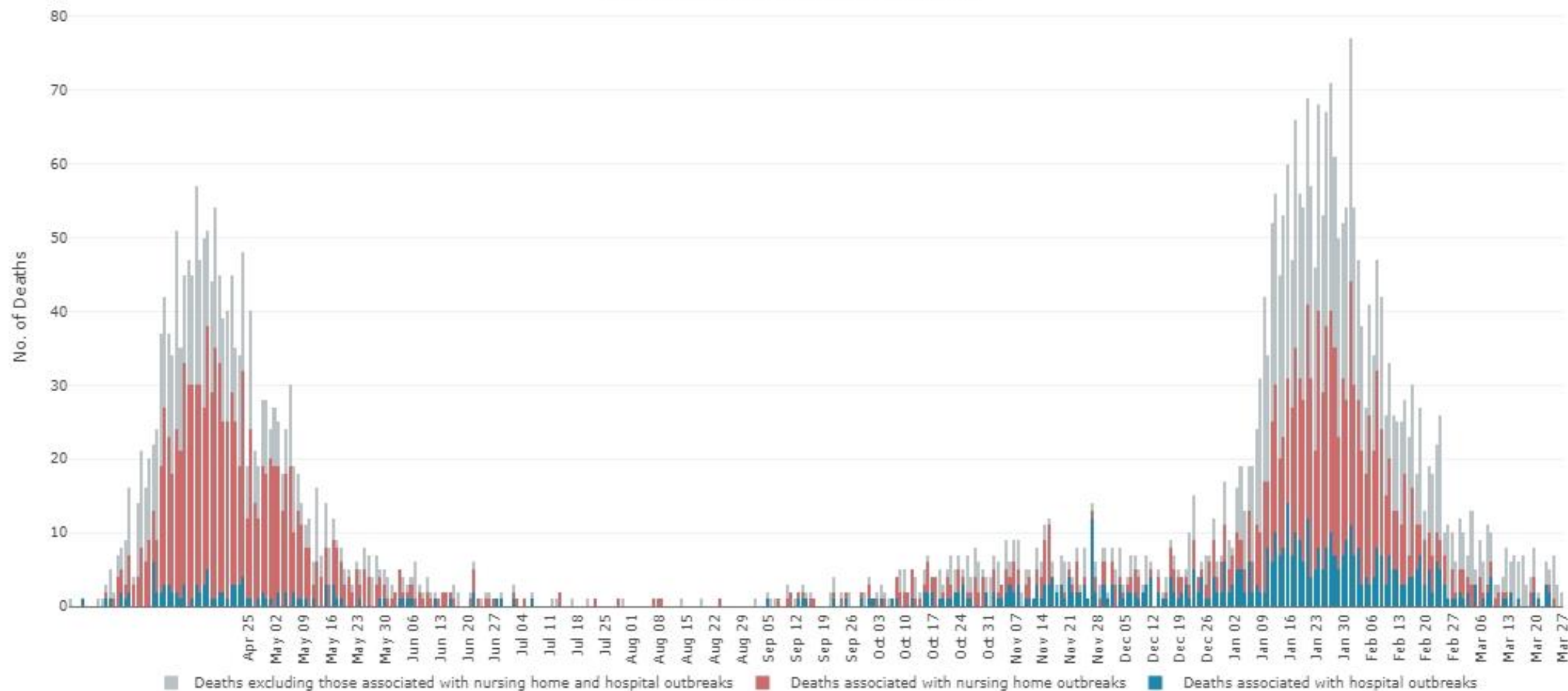
No. of confirmed covid cases admitted on site 8AM

22 Mar	23 Mar	24 Mar	25 Mar	26 Mar	27 Mar	28 Mar
14	25	18	24	25	21	18
10	35	30	33	35	25	9
6	1	5	1	5	3	2
359	357	329	312	317	304	322



Deaths

Deaths by Date of Death since March





Outbreaks & Clusters



Outbreak Summary week 12 2021 (21/03/2021 – 27/03/2021)

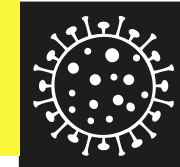
- Number of outbreaks notified week 12 2021 (21-27/03/2021), **n = 454**
- At least **92** outbreaks were late notifications

Outbreaks in week 12 2021 in key settings by outbreak location, range of linked cases per outbreak

Outbreak location	Number of outbreaks	Range of number of linked cases per outbreaks
Childcare facility	19	0 - 9
Hospital	6	0 - 13
Nursing home	2	2 - 3
Residential institution	6	2 - 24
School	49	1 - 14
Workplace	12	0 - 6

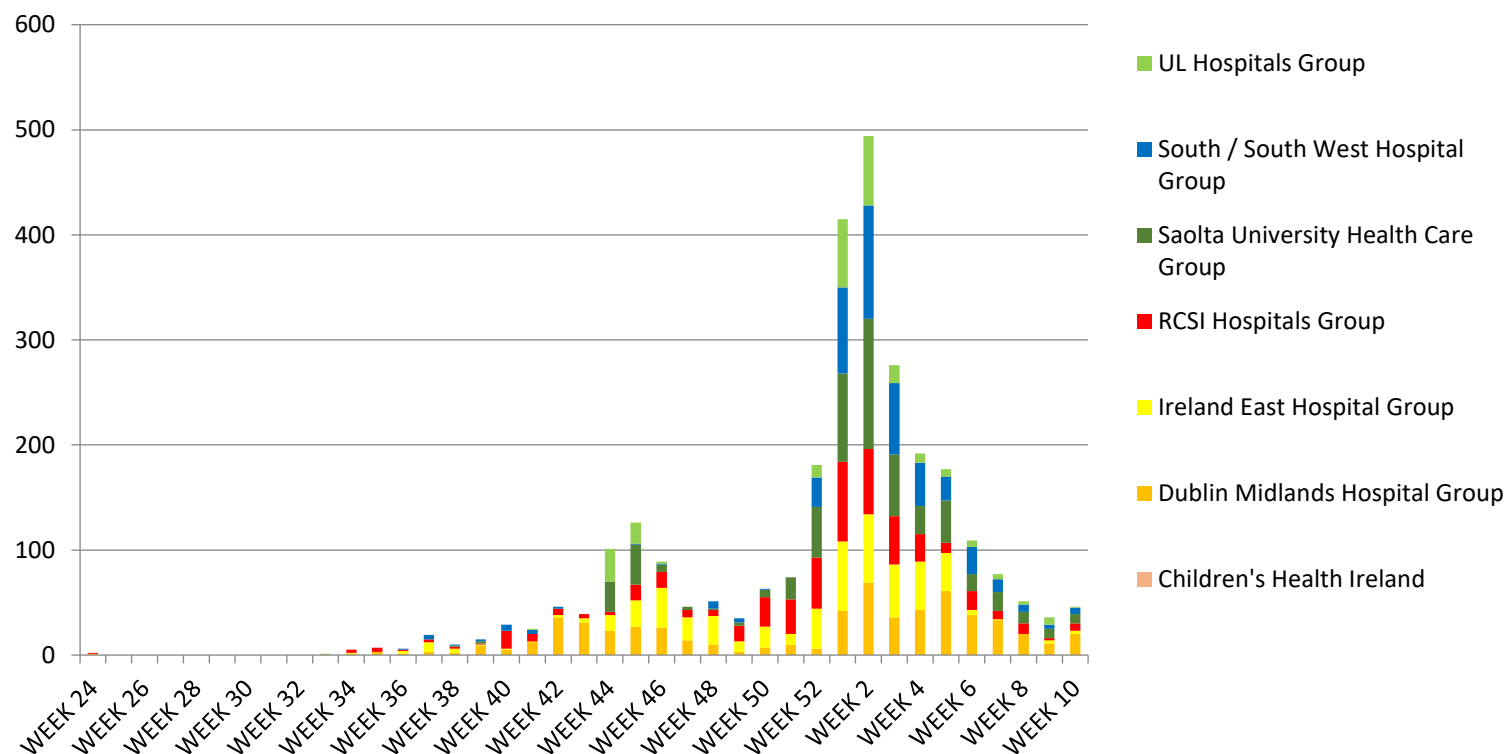
Outbreaks in Vulnerable Populations, week 12 2021

Vulnerable Population	Number of outbreaks
Asylum seekers / refugees	6
Homeless	1
Irish Travellers	21
Other vulnerable population	1
Roma community	1
Grand Total	30

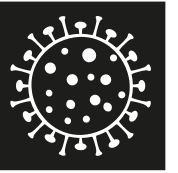


Weekly no. of Hospital-Acquired Covid-19 National Totals
21st June 2020-14th March 2021

Acute Hospital

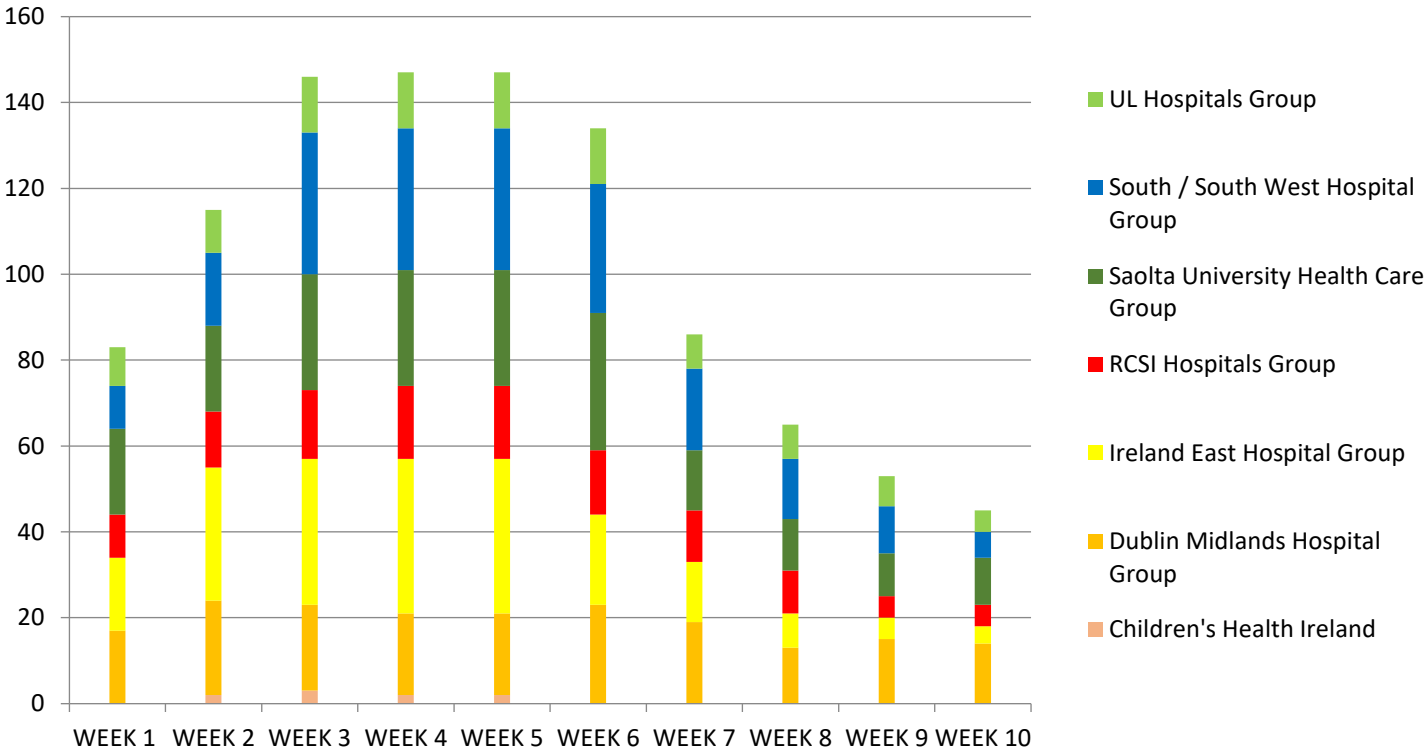


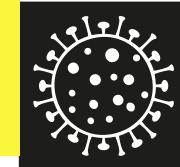
Week ending March 14
46 cases of cases of hospital acquired
COVID-19



Acute Hospital

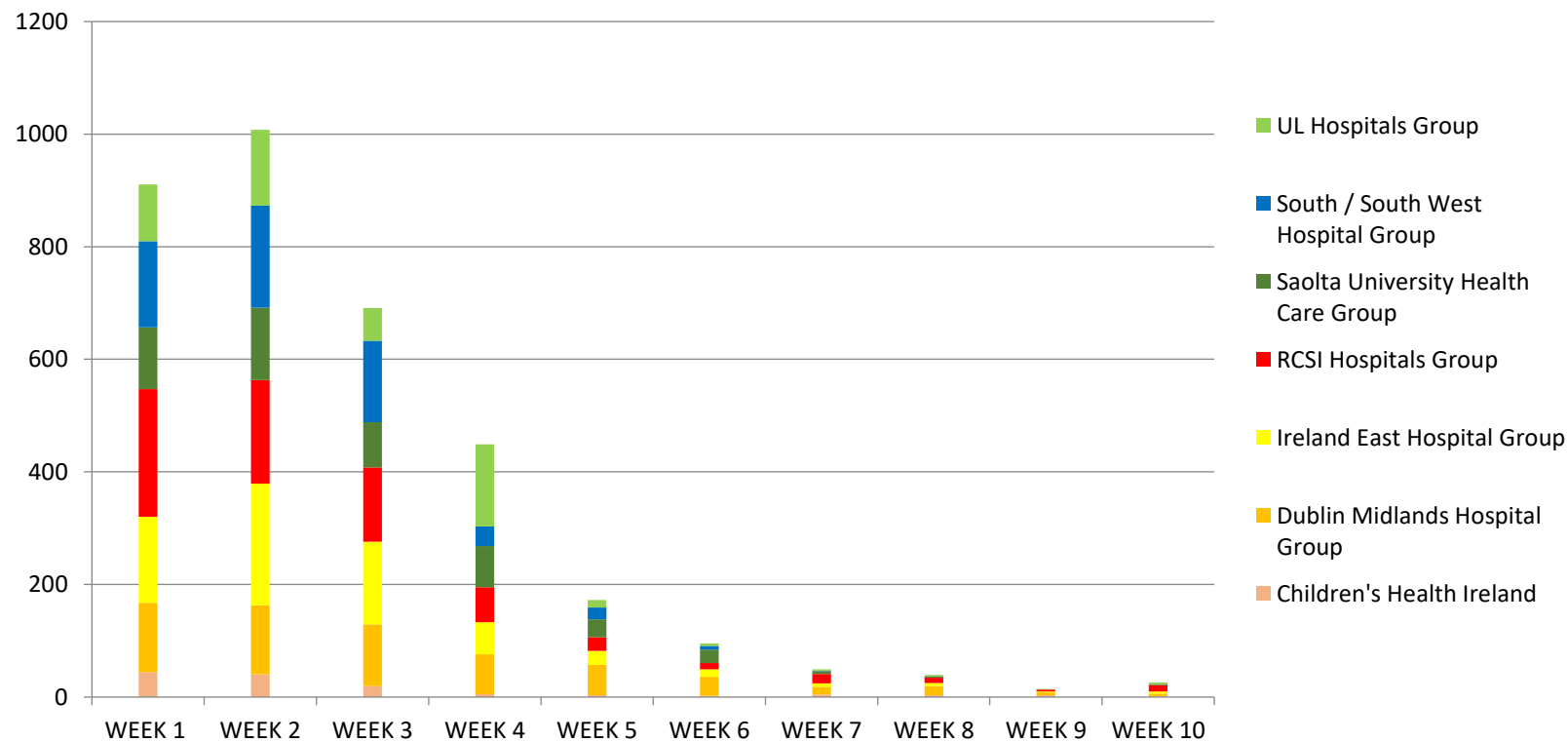
No. of Currently Open Outbreaks of Covid-19 National Totals
Week ending 10/01/2021-14/03/2021



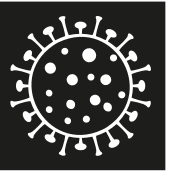


Acute Hospital

No. of New Laboratory Confirmed Cases of Covid-19 in Hospital Staff National Totals
Week ending 10/01/2021-14/03/2021

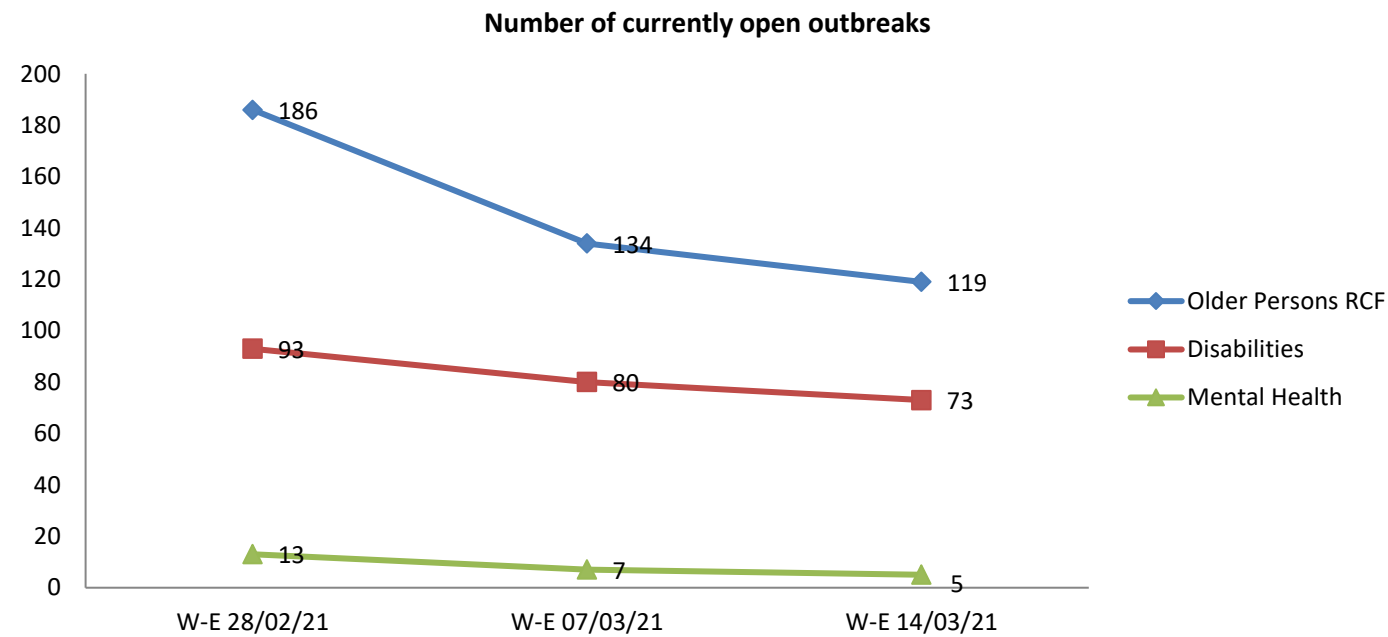


Week ending March 14
26 cases in acute hospital staff



Community Operations

Number of currently open outbreaks in Residential Care Facilities





Test & Trace Update

Testing/sampling and contact tracing NPHE update



Sampling

Over the seven-day period, 19th -25th March, there has been approximately 121,184 swabs taken for COVID-19 testing. Demand for testing in the community increased by 19.3%.

Of total swabs:

- 54,433 (45%) of these were taken in the community
- 45,941 (38%) swabs were taken in acute and private acute settings.
- 20,810 (17%) swabs taken were taken as part of the Serial Testing programmes of staff in residential care facilities including mental health facilities and disability facilities meeting the agreed criteria, as well as staff in food production facilities.

Turnaround Times (19th-25th March)



End-to-end turnaround time

- The median end-to-end turnaround time, from referral to SMS, for **not detected** tests in the community setting was **1.3 days**.
- The median turnaround time for time, from referral to communication of a **detected result** by SMS, in community settings was **1.8 days**.
- The median end-to-end turnaround time, from referral to the end of contact tracing by call, for **detected cases** in the community setting was **2 days**.

Overall Swab to laboratory result communicated – Medians: 25 hours in Acute, 26 hours in Serial Testing, 26 hours in Community

Referral to appointment

In the community, the median time from referral to appointment was 0.2 days.

95% of community referrals are provided with a COVID-19 test appointment within 24 hours.

Contact Tracing:

The mean time and median time to complete all calls are 6.0 hours and 3.7 hours, respectively.

Education and Childcare Facility turnaround times

The median turnaround time from swab taken to result communicated in education and childcare settings was **1.1 days**.



Education and Childcare Testing Programme

COVID-19 testing has re-started in schools and is ongoing in special education and childcare facilities. In the last week (14th to 20th March 2021);

- 1,236 tests were completed in 71 childcare facilities resulting in a **9.6% positivity rate**.
- 103 tests were completed in 11 Special Education facilities resulting in a **9.7% detection rate**
- 3,142 tests were completed in 120 primary schools resulting in in a **2.7% positivity rate**.
- 817 tests were completed in 52 post-primary facilities resulting in a **1.8% positivity rate**.

CMP close contact update (15th-21st March)



- The number of close contacts reported during the week ending 21st March was 12,614, a 27% increase from the previous week
- In total, 12,174 (97%) of the contacts created between 15th and 21st have been informed of their close contact status at the time of CMP report preparation.
- The mean number of close contacts per case (incl. cases with no close contacts) was 2.3, an increase from 2.2 the previous week
- The number of complex contact episodes identified during the week ending 21st March was 1,475, a 10% increase from the 1,336 captured during the week ending 14th March

**Source: HSE – COVID-19 Contact Management
Programme Weekly report**



Close Contact Attendance and Positivity Rates at Test 1 – 8th-14th March

- Of the close contacts created between 8th-14th March, 87% of those who were referred for a Test 1 appointment attended for testing.
- Results were available at the time of report preparation for 6,375 close contacts, 20.1% (1,283) of whom were positive.
- Household close contact positivity rate at 33.5%

SARS-CoV2 Test 1* Results by Circumstances – Contacts Created 08/03/2021 to 14/03/2021

<i>Circumstances of Contact</i>	<i>Number of Results Reported</i>	<i>Positive Results</i>	<i>Positivity Rate</i>
<i>Household</i>	2620	877	33.5%
<i>Social</i>	882	133	15.1%
<i>Workplace</i>	289	22	7.6%
<i>Childcare Facilities</i>	359	32	8.9%
<i>Primary School</i>	1005	40	4.0%
<i>Secondary School</i>	391	5	1.3%
<i>Special School</i>	33	<5	**
<i>Third Level Education</i>	10	<5	**
<i>Healthcare Setting: Patient***</i>	16	<5	**
<i>Healthcare Setting: Staff***</i>	6	<5	**
<i>Sport</i>	22	<5	**
<i>Transport</i>	76	<5	**
<i>Other</i>	83	<5	**
<i>Not Recorded</i>	583	161	27.6%
Total	6375	1283	20.1%

Table 1.11 – Test 1 Results by Circumstances of Contact – 08/03/2021 to 14/03/2021*

Source: HSE – COVID-19 Contact Management Programme Weekly report



Close Contact Attendance and Positivity Rates at Test 2 – 1st-7th March

- Of the close contacts created between 1st-7th March, 2,776 (87%) of those who were referred for a Test 2 appointment attended for testing.
- Results were available at the time of report preparation for 2, close contacts, 5.7% (148) of whom were positive.
- Household close contact positivity rate at 9.5%

SARS-CoV2 Test 2* Results by Circumstances – Contacts Created 01/03/2021 to 07/03/2021

<i>Circumstances of Contact</i>	<i>Number of Results Reported</i>	<i>Positive Results</i>	<i>Positivity Rate</i>
<i>Household</i>	852	81	9.5%
<i>Social</i>	455	17	3.7%
<i>Workplace</i>	146	0	0.0%
<i>Childcare Facilities</i>	160	10	6.3%
<i>Primary School</i>	257	<5	**
<i>Secondary School</i>	89	<5	**
<i>Special School</i>	14	<5	**
<i>Healthcare Setting: Patient****</i>	25	<5	**
<i>Healthcare Setting: Staff****</i>	2	<5	**
<i>Sport</i>	20	<5	**
<i>Transport</i>	12	<5	**
<i>Other</i>	39	<5	**
<i>Not Recorded</i>	536	34	6.3%
Total	2607	148	5.7%

Table 1.14 – Test 2 Results by Circumstances of Contact – 01/03/2021 to 07/03/2021*

Source: HSE – COVID-19 Contact Management Programme Weekly report

Variants update



Confirmed Variants of Concern

P1: 12

B.1.351 cases: 31

Confirmed Variants under Investigation/of Note

B.1.525 cases: 15

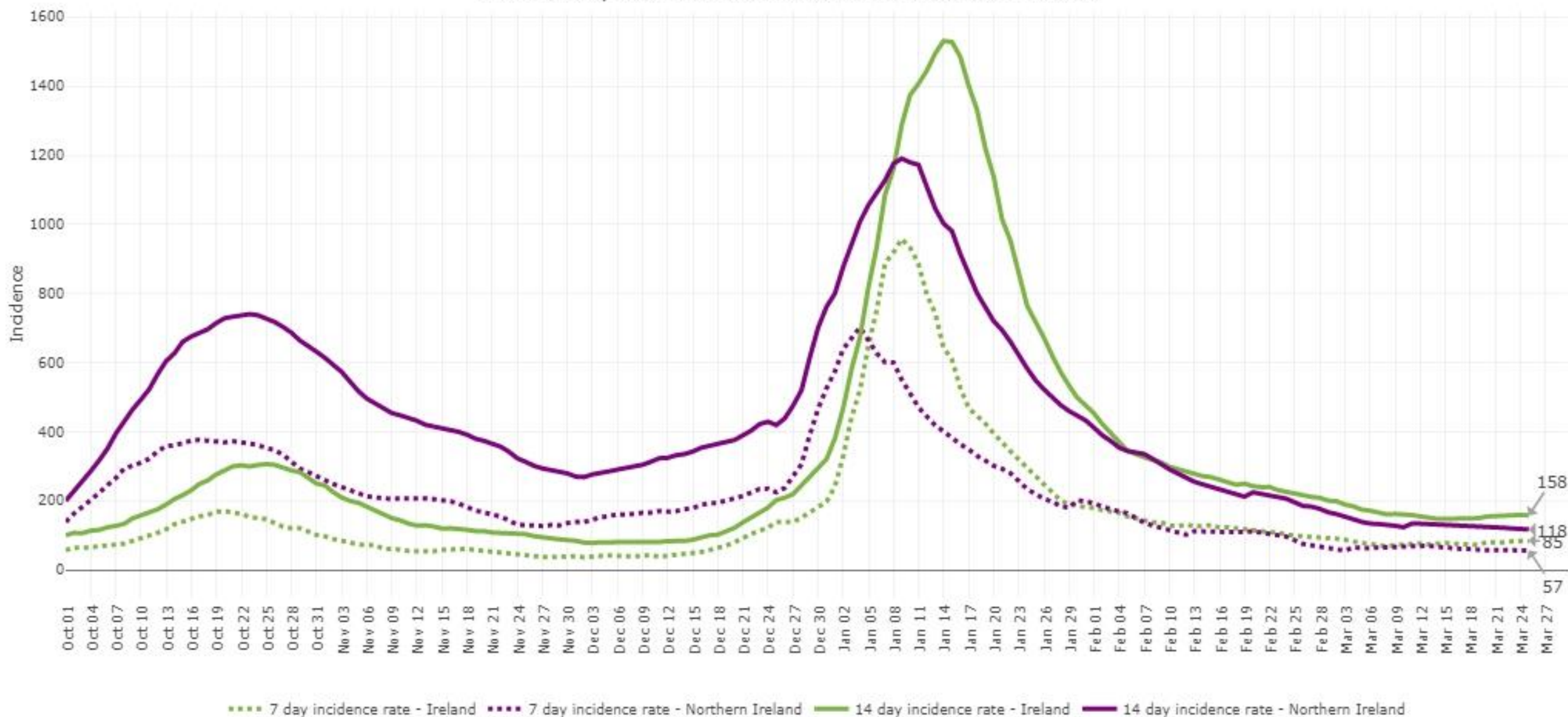
B.1.526 cases: 5

P.2 cases: 13

B.1.1.7 with E484K mutation: 1

Source: NVRL, as of 26.03.21

7 and 14 day Incidence rates for Ireland and Northern Ireland



Note – calculated using the 2016 population estimates for both ROI and NI.

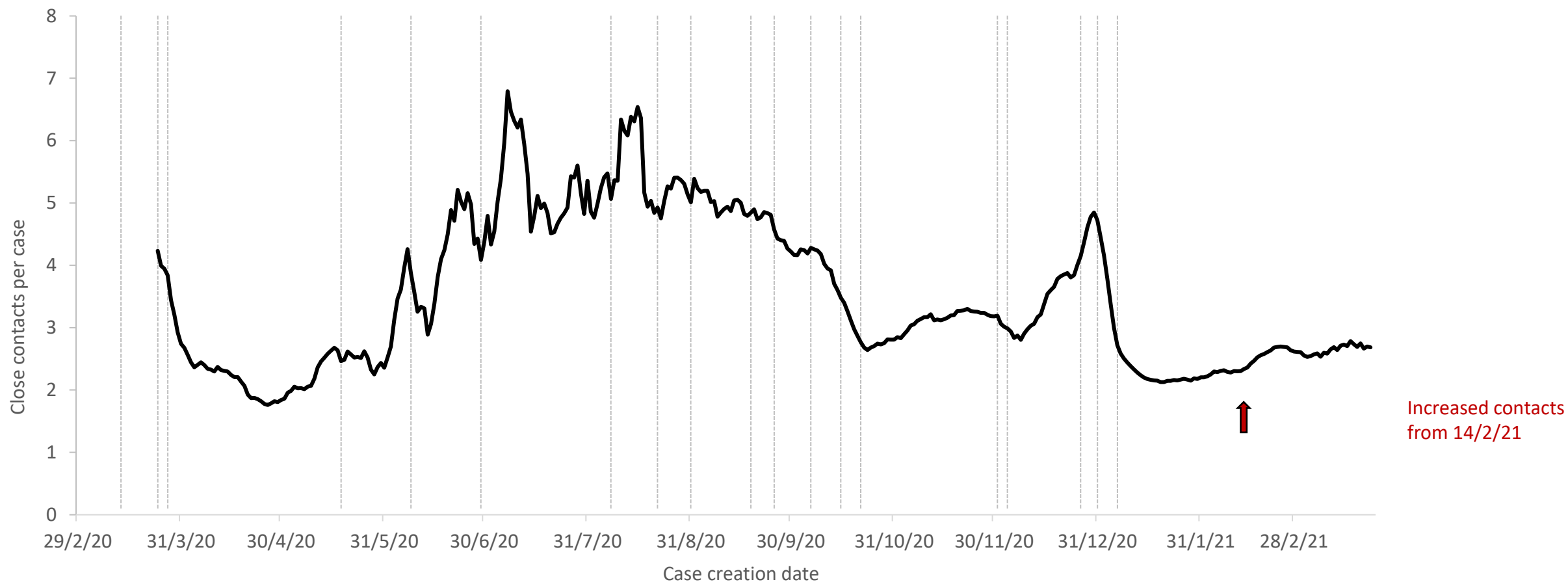
Source: HPSC CIDR Extract 280321 and health-ni.gov.uk daily data 26/03/21.



Growth in Cases & R number

Close contacts of adult confirmed cases

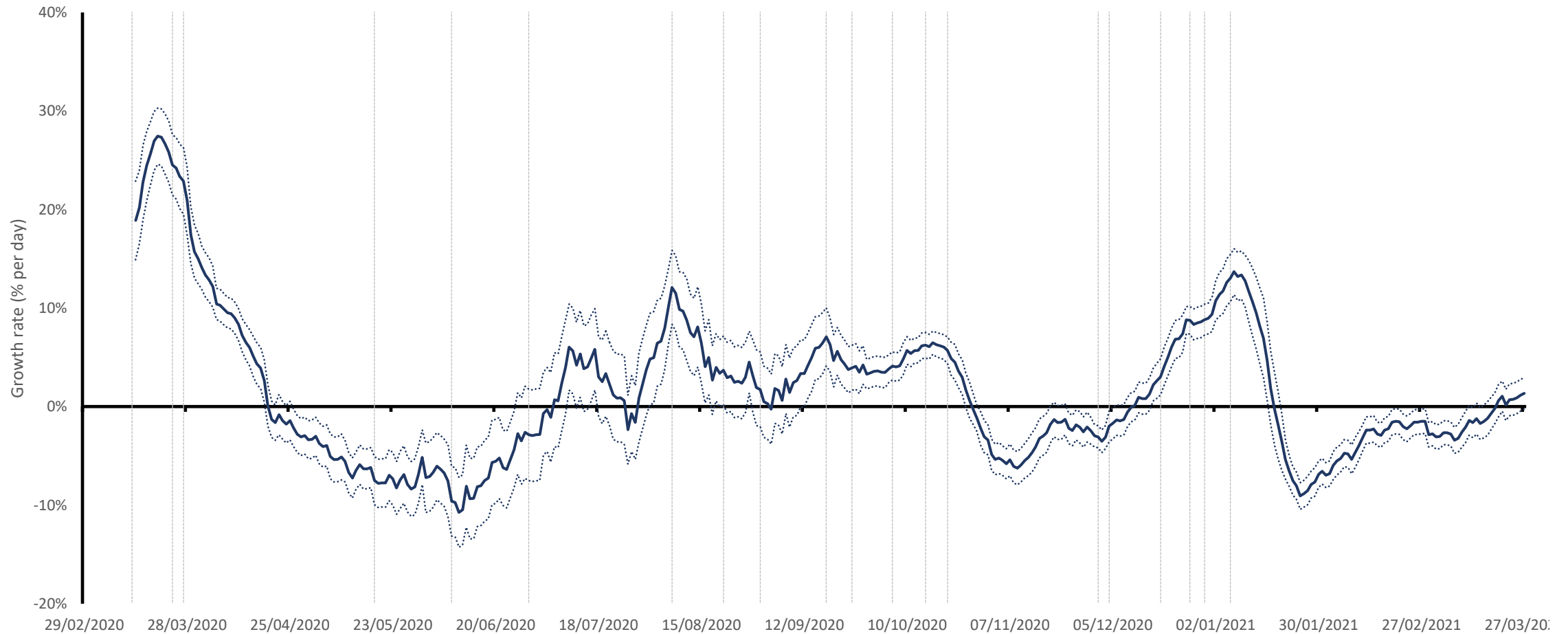
The mean number of close contacts per confirmed case. The number of contacts was very low (2 or less) during April, but increased to 5-6 per case during the summer. The public health measures during October was associated with a progressive reduction in close contacts, to below 3. The number of close contacts remained below 3.3 on average until early December, rose to almost 5 on average by 28 December and fell to 2.1 in January. It has increased in recent weeks to ≈ 2.6



The average number of close contacts per confirmed case. Data from COVID-19 Care Tracker (CCT). Cases dated by case creation date. Cases (but not contacts) aged 18 and younger are excluded. Data are 7-day trailing averages except for the months of June – August where a 21-day trailing average is used due to very low case counts.

Growth rate for case numbers

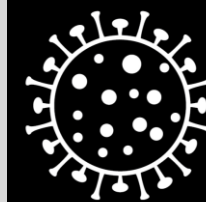
Growth rate peaked at 13% per day over the 21-day period up to 10 January 2021. While case numbers decreased very rapidly in January (-6 to -10% per day) case numbers have been decreasing more slowly. The growth rate is currently estimated at 0% to +2% per day.



Growth rate calculated as the average growth rate over a 21-day trailing window, with 95% credible interval; cases dated by notification (event) date.

Estimates of effective reproduction number (R)

Reproduction number is above 1.0 with high levels of uncertainty in its estimation; it is currently estimated at 1.0 – 1.3



Coronavirus
COVID-19
Public Health
Advice

Method	Estimate	95% confidence interval
SEIR model-inferred	1.29	0.98 – 2.15
Bayesian model	1.08	0.71 – 1.59
Time-dependent R	0.88	0.80 – 0.95
GAM estimate 15 Mar 2021	1.06	0.89 – 1.23
GAM estimate 23 Mar 2021	1.22	0.95 – 1.49

Estimates generated 24 March 2021, refer to IEMAG technical notes for methodology. Estimates are unreliable when case numbers are low or variable. SEIR-inferred estimate is slow to respond to changes in R. The time-dependent R estimate lags behind other estimates. These R estimates relate to viral transmissions and infections that occurred approximately 7-14 days ago. The estimate of R is influenced by different patterns of transmission in large outbreaks, smaller clusters, and individual transmission.



Rialtas na hÉireann
Government of Ireland

Situation analysis 29 March 2021



- Incidence has plateaued, remains high, and may be starting to increase
 - Cases (5-day average) 620 cases per day; 14-day incidence 165 per 100,000
 - Reproduction number (R) is uncertain and estimated at 1.0 – 1.3, growth rate in case numbers 0 to +2% per day; if epidemic is growing again doubling time estimated at 35 days or longer
- Incidence has increased in those aged 0-12 years
 - not clear to what extent this is due to increased infection, increased ascertainment, or both
 - may have stabilised in the last week
- Number of cases detected, positivity rates, and numbers of cases associated with outbreaks in schools remain low despite intense oversight and increased testing
 - less than 10% of cases
 - note that detection of a case or declaration of an outbreak in a school does not imply that transmission has occurred in the school setting
- While evidence of protective effect of vaccination in LTRC and HCW the population is not protected, situation is volatile and we remain at high risk



European Data

EU/UK ranked by 14 day incidence (27th March)

EU and the UK	14 day incidence	Previous 14 day incidence	% change in 14 day incidence
Estonia	1422	1468	-3%
Hungary	1213	864	40%
Czechia	1110	1536	-28%
Poland	878	509	73%
Bulgaria	718	449	60%
France	680	455	50%
Sweden	668	547	22%
Slovenia	586	492	19%
Malta	575	917	-37%
Cyprus	574	554	4%
Netherlands	566	397	42%
Belgium	524	310	69%
Italy	514	486	6%
Austria	474	375	27%
Luxembourg	473	382	24%
Romania	399	292	37%
Latvia	383	407	-6%
Slovakia	380	549	-31%
Croatia	376	192	96%
Greece	317	285	11%
Lithuania	312	280	12%
Germany	254	150	70%
Finland	172	162	7%
Ireland	153	149	3%
Denmark	123	159	-22%
United Kingdom	112	124	-10%
Portugal	62	97	-36%



- As of 16th Dec, this daily data is now sourced from Our World In Data (OWID) instead of ECDC as they have switched to weekly reporting (Thursday evenings).
- OWID source their confirmed cases and deaths data from the COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University (JHU). <https://github.com/owid/covid-19-data/tree/master/public/data>
- **We have removed Spain from this table due to reconciliation of double counted cases in the region of Catalonia, making the incidence rates unreliable. Spain will be included again when the time series is corrected and Spanish cases are back distributed.

EU/UK ranked by 14 day percentage change (27th March)

EU and the UK	14 day incidence	Previous 14 day incidence	% change in 14 day incidence
Croatia	375.5	191.6	96%
Poland	878.2	508.6	73%
Germany	254.3	150.0	70%
Belgium	524.1	309.8	69%
Bulgaria	718.0	448.6	60%
France	680.3	454.7	50%
Netherlands	565.9	397.1	42%
Hungary	1212.7	864.3	40%
Romania	399.5	291.9	37%
Austria	474.3	374.7	27%
Luxembourg	473.2	382.3	24%
Sweden	668.3	546.8	22%
Slovenia	586.2	491.9	19%
Lithuania	312.0	279.6	12%
Greece	317.3	284.9	11%
Finland	172.2	161.6	7%
Italy	513.7	486.3	6%
Cyprus	574.0	554.1	4%
Ireland	153.5	149.4	3%
Estonia	1422.2	1468.0	-3%
Latvia	383.4	406.9	-6%
United Kingdom	112.0	124.1	-10%
Denmark	123.1	158.6	-22%
Czechia	1110.4	1536.2	-28%
Slovakia	380.1	548.9	-31%
Portugal	62.0	96.8	-36%
Malta	575.5	916.8	-37%



- As of 16th Dec, this daily data is now sourced from Our World In Data (OWID) instead of ECDC as they have switched to weekly reporting (Thursday evenings).
- OWID source their confirmed cases and deaths data from the COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University (JHU). <https://github.com/owid/covid-19-data/tree/master/public/data>
- **We have removed Spain from this table due to reconciliation of double counted cases in the region of Catalonia, making the incidence rates unreliable. Spain will be included again when the time series is corrected and Spanish cases are back distributed.

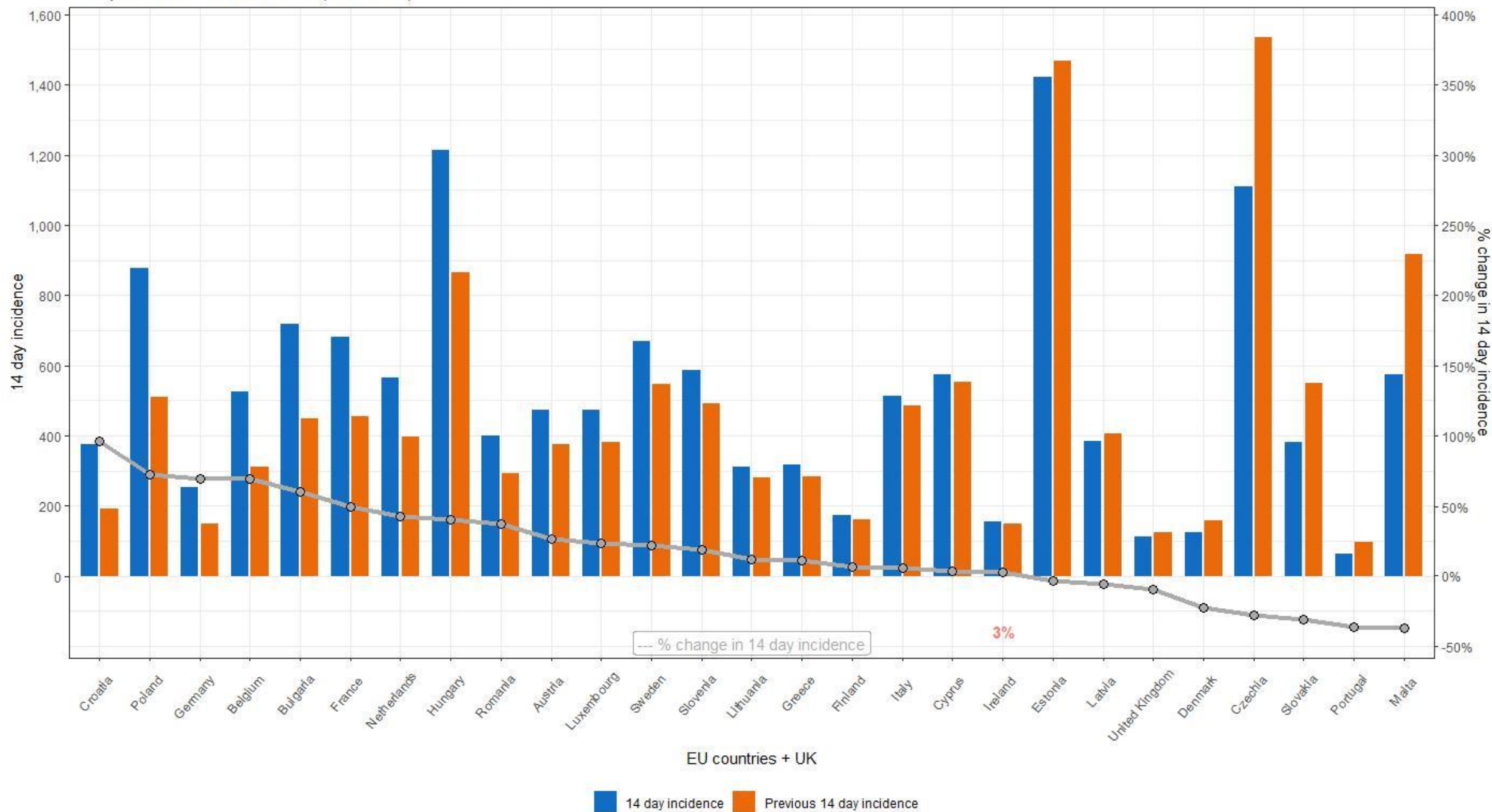
EU/UK ranked by 7 day percentage change (27th March)

EU and the UK	7 day incidence	Previous 7 day incidence	% change in 7 day incidence
Belgium	328.9	195.2	69%
Croatia	221.6	154.0	44%
Lithuania	176.2	135.8	30%
Poland	488.9	389.3	26%
France	376.6	303.7	24%
Hungary	660.5	552.2	20%
Ireland	83.2	70.3	18%
Netherlands	306.0	259.8	18%
Slovenia	314.2	272.0	15%
Germany	135.7	118.6	14%
Sweden	354.0	314.3	13%
Austria	248.1	226.2	10%
Greece	162.9	154.4	6%
Romania	204.5	195.0	5%
Luxembourg	241.2	232.0	4%
Bulgaria	364.0	354.1	3%
United Kingdom	56.3	55.7	1%
Italy	258.2	255.5	1%
Latvia	189.1	194.3	-3%
Cyprus	276.6	297.4	-7%
Portugal	29.1	33.0	-12%
Finland	79.8	92.4	-14%
Estonia	656.6	765.6	-14%
Slovakia	165.6	214.5	-23%
Czechia	482.0	628.4	-23%
Malta	204.7	370.8	-45%
Denmark	38.0	85.1	-55%

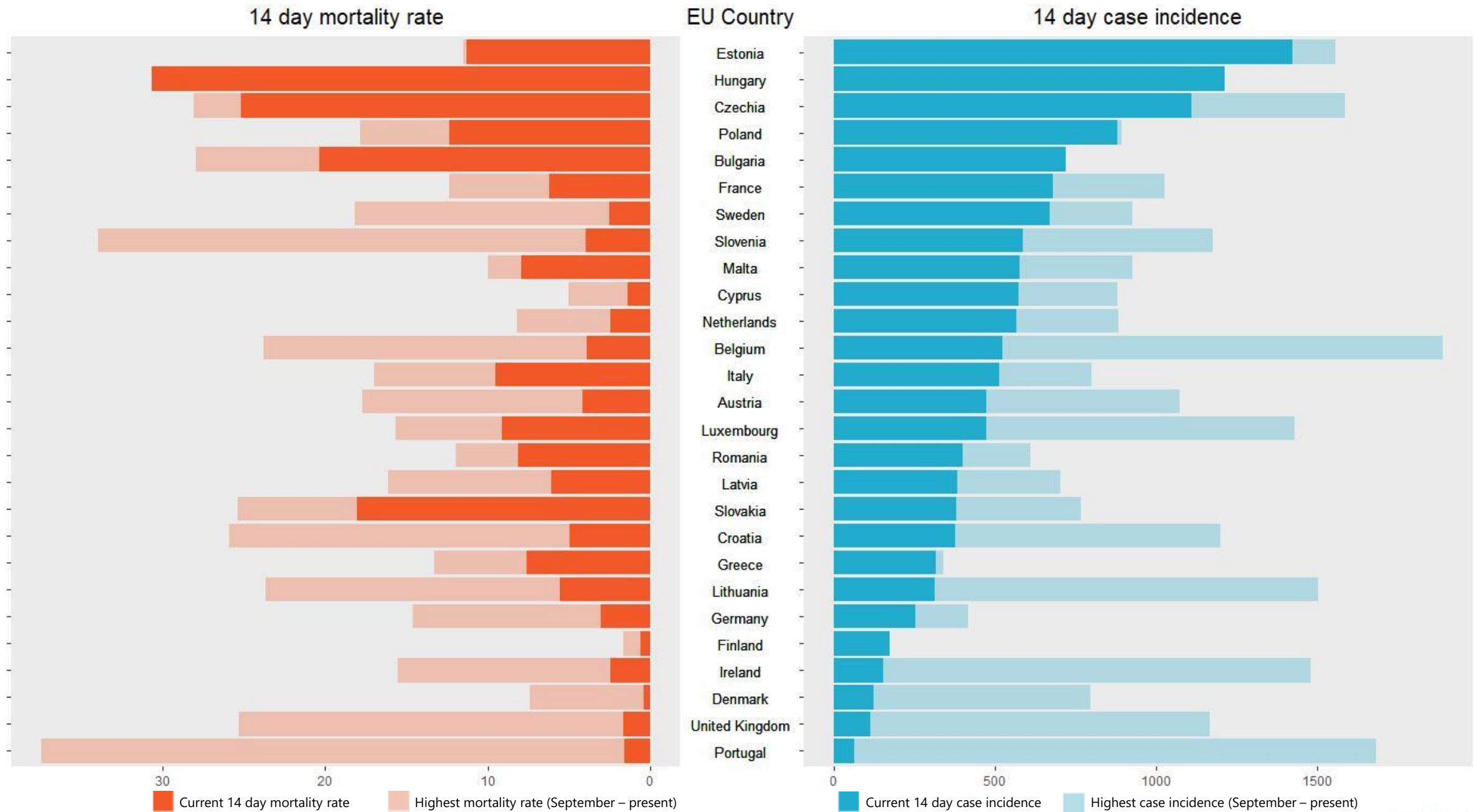


- As of 16th Dec, this daily data is now sourced from Our World In Data (OWID) instead of ECDC as they have switched to weekly reporting (Thursday evenings).
- OWID source their confirmed cases and deaths data from the COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University (JHU). <https://github.com/owid/covid-19-data/tree/master/public/data>
- **We have removed Spain from this table due to reconciliation of double counted cases in the region of Catalonia, making the incidence rates unreliable. Spain will be included again when the time series is corrected and Spanish cases are back distributed.

European 14 incidence rates (27 March)

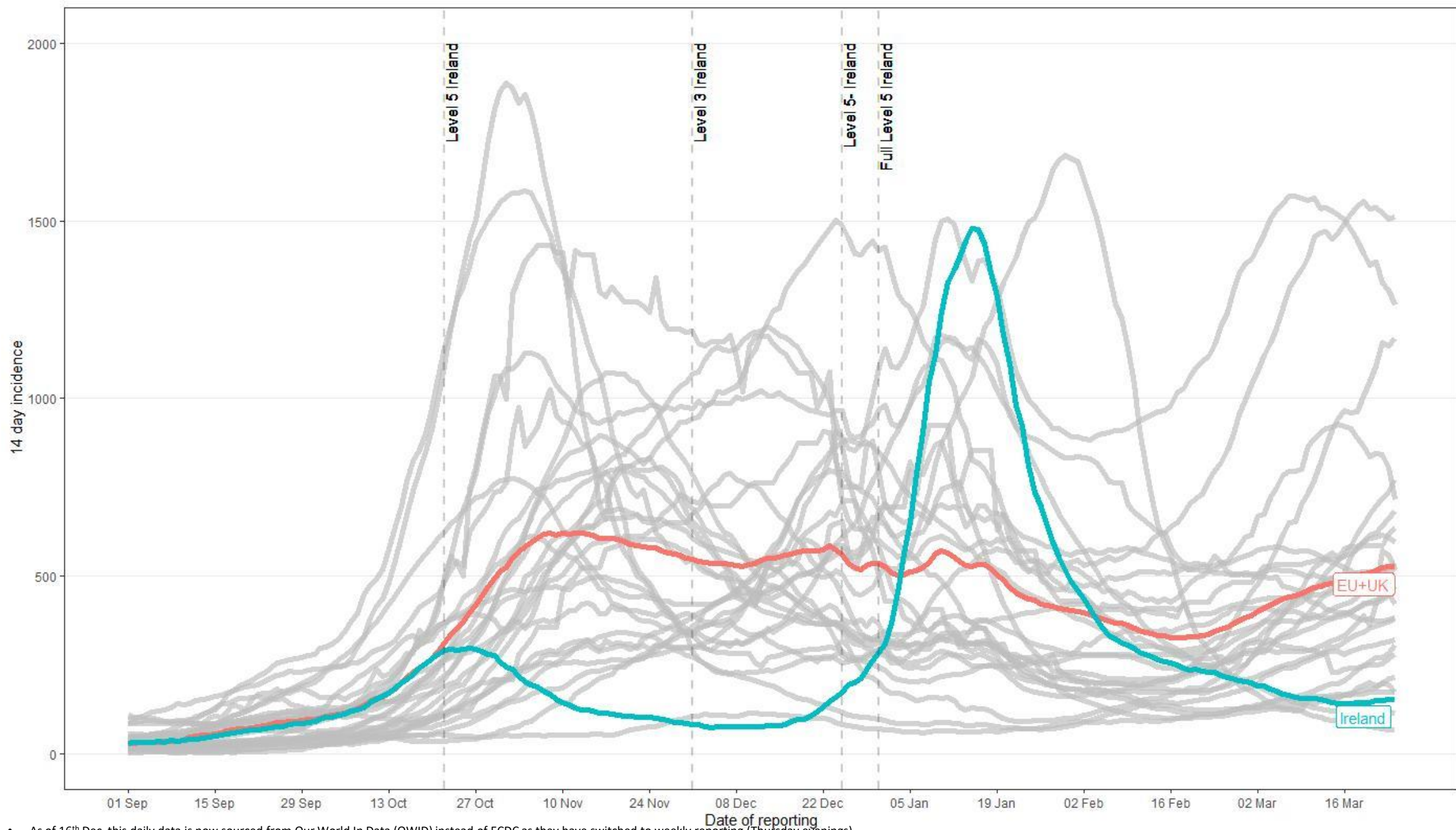


- As of 16th Dec, this daily data is now sourced from Our World In Data (OWID) instead of ECDC as they have switched to weekly reporting (Thursday evenings).
- OWID source their confirmed cases and deaths data from the COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University (JHU). <https://github.com/owid/covid-19-data/tree/master/public/data>
- **We have removed Spain from this table due to reconciliation of double counted cases in the region of Catalonia, making the incidence rates unreliable. Spain will be included again when the time series is corrected and Spanish cases are back distributed.

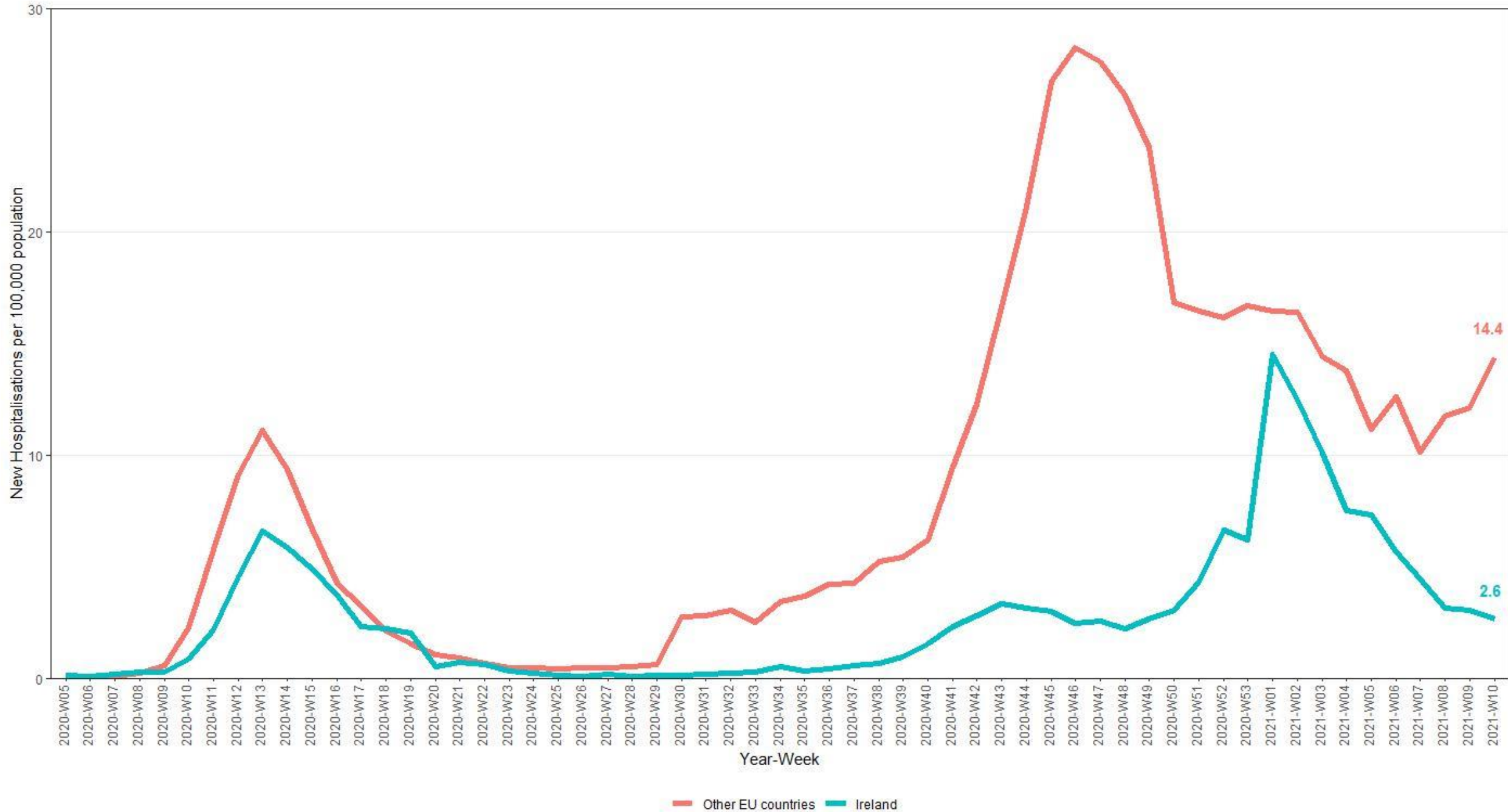


• As of 16th Dec, this daily data is now sourced from Our World In Data (OWID) instead of ECDC as they have switched to weekly reporting (Thursday evenings).
 • OWID source their confirmed cases and deaths data from the COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University (JHU). <https://github.com/owid/covid-19-data/tree/master/public/data>
 • **We have removed Spain from this table due to reconciliation of double counted cases in the region of Catalonia, making the incidence rates unreliable. Spain will be included again when the time series is corrected and Spanish cases are back distributed.

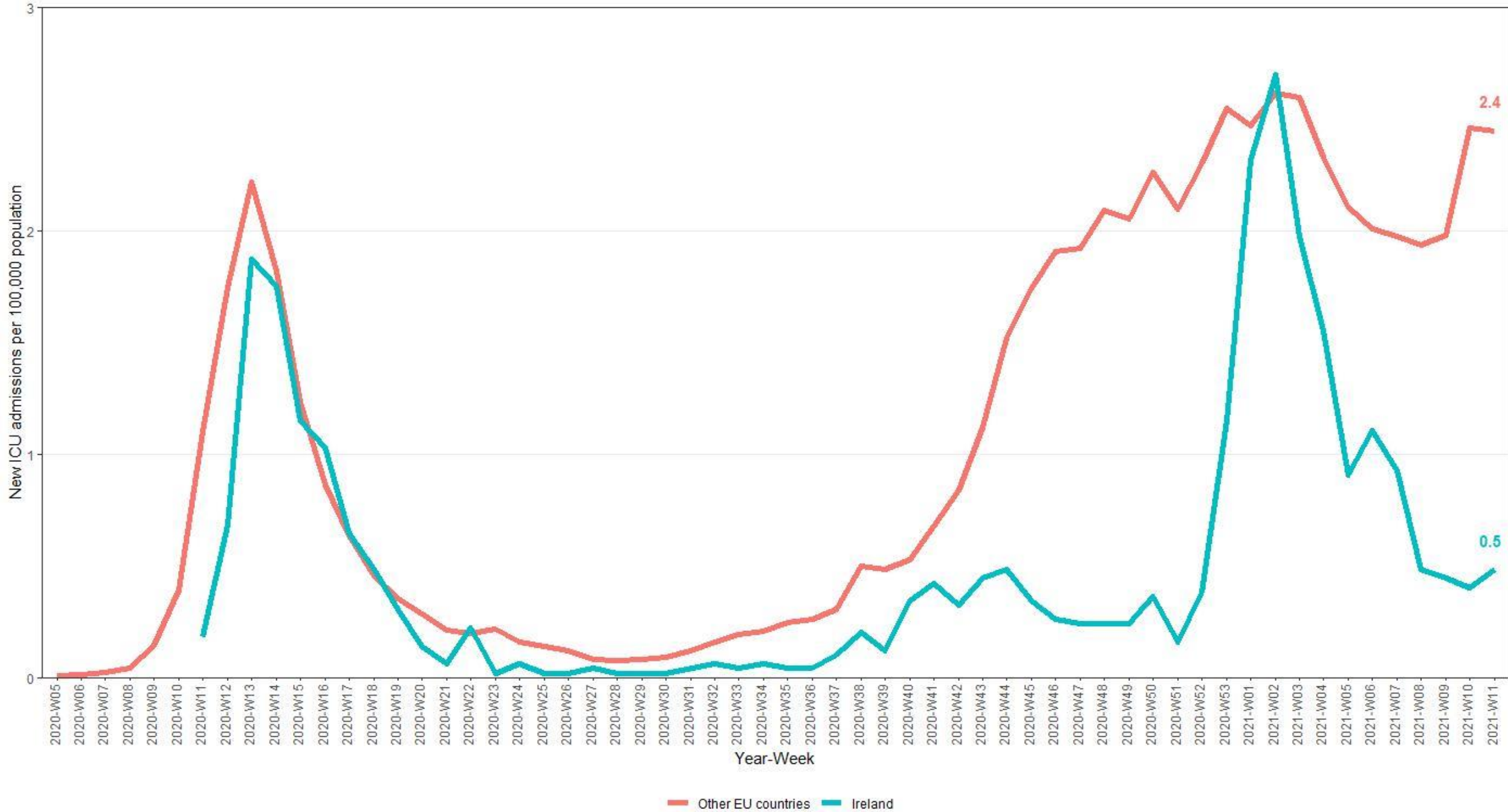
Updated 27 March



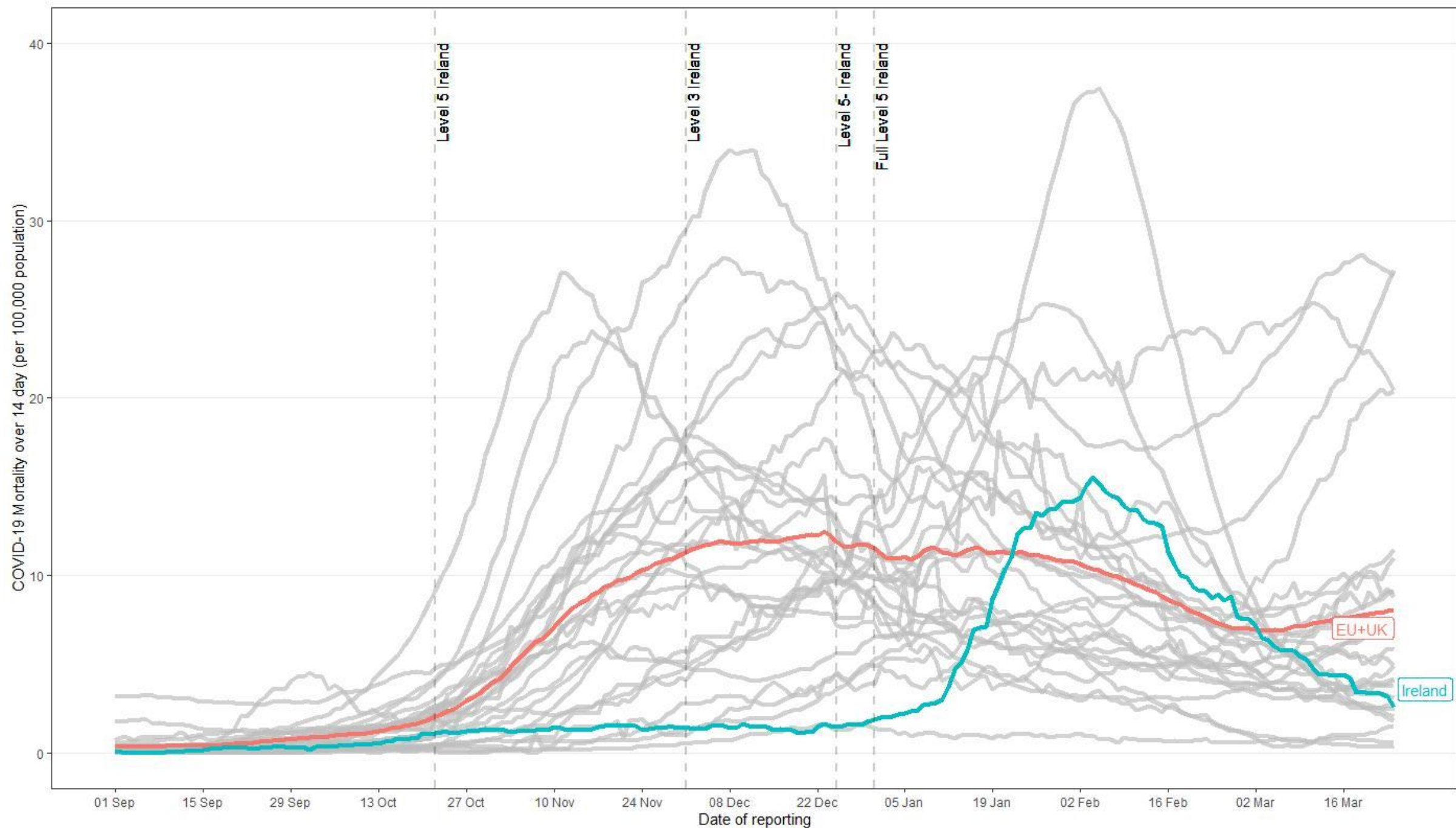
- As of 16th Dec, this daily data is now sourced from Our World In Data (OWID) instead of ECDC as they have switched to weekly reporting (Thursday evenings).
- OWID source their confirmed cases and deaths data from the COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University (JHU). <https://github.com/owid/covid-19-data/tree/master/public/data>
- **We have removed Spain from this table due to reconciliation of double counted cases in the region of Catalonia, making the incidence rates unreliable. Spain will be included again when the time series is corrected and Spanish cases are back distributed.



Other EU countries include: Belgium, Croatia, Cyprus, Denmark, Estonia, France, Germany, Greece, Iceland, Italy, Latvia, Lithuania, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovenia, Spain.
Source: ECDC. Updated 28 March



Other EU countries include: Cyprus, Estonia, France, Greece, Latvia, Lithuania, Malta, Netherlands, Norway, Slovenia, Spain, Sweden.
Source: ECDC. Updated 25 March

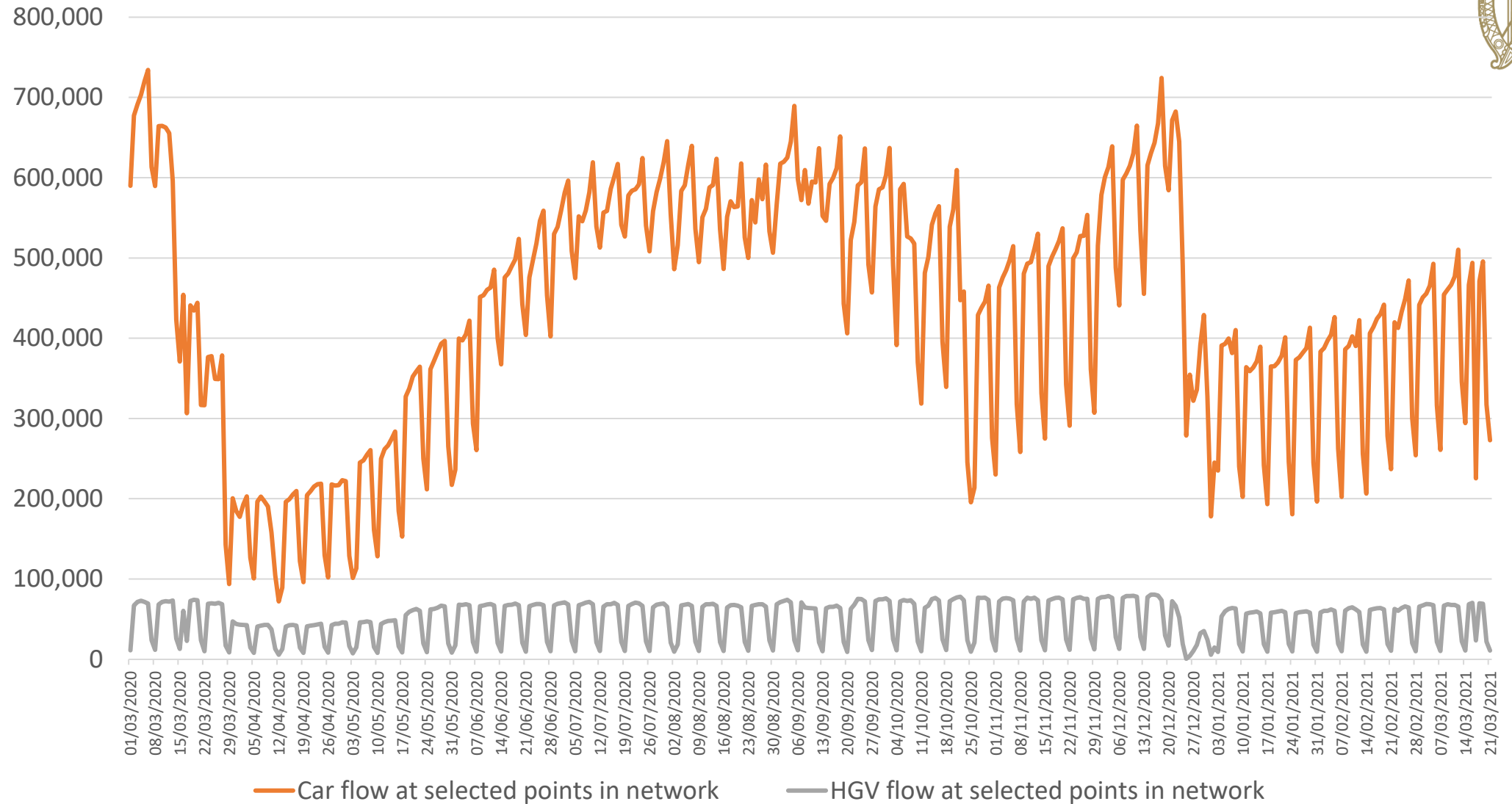


- As of 16th Dec, this daily data is now sourced from Our World In Data (OWID) instead of ECDC as they have switched to weekly reporting (Thursday evenings).
- OWID source their confirmed cases and deaths data from the COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University (JHU). <https://github.com/owid/covid-19-data/tree/master/public/data>



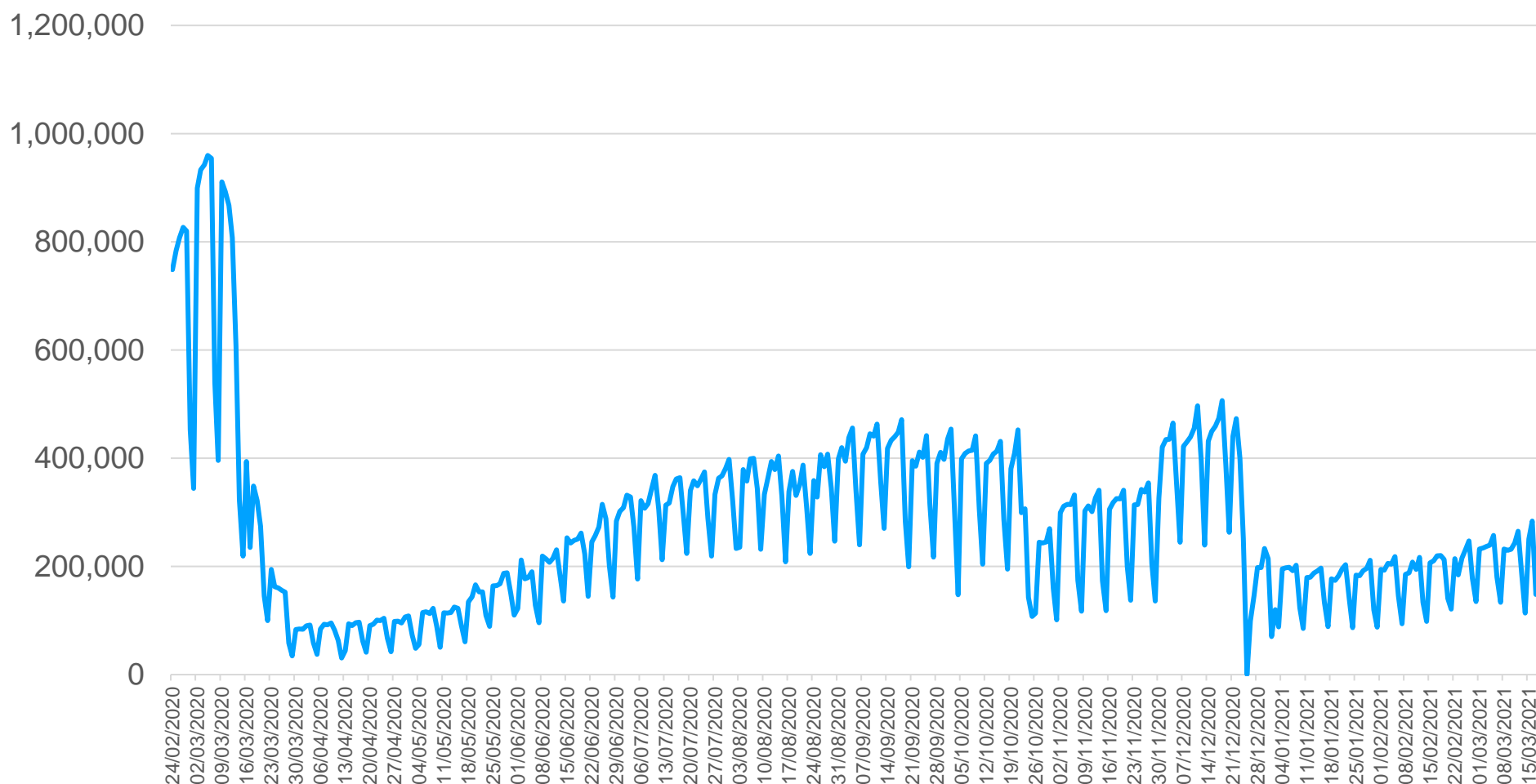
Compliance Data

Daily Traffic Flow

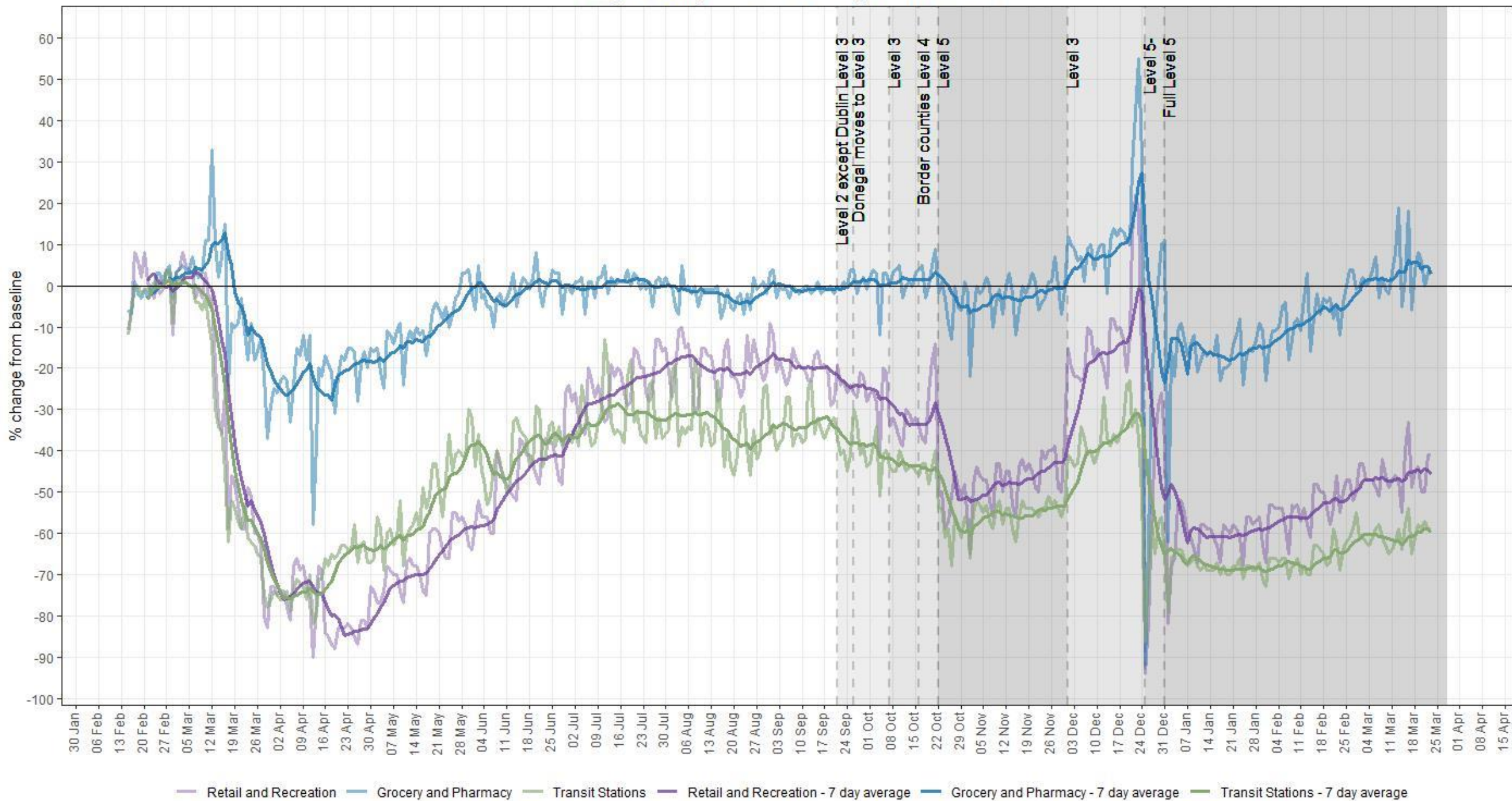




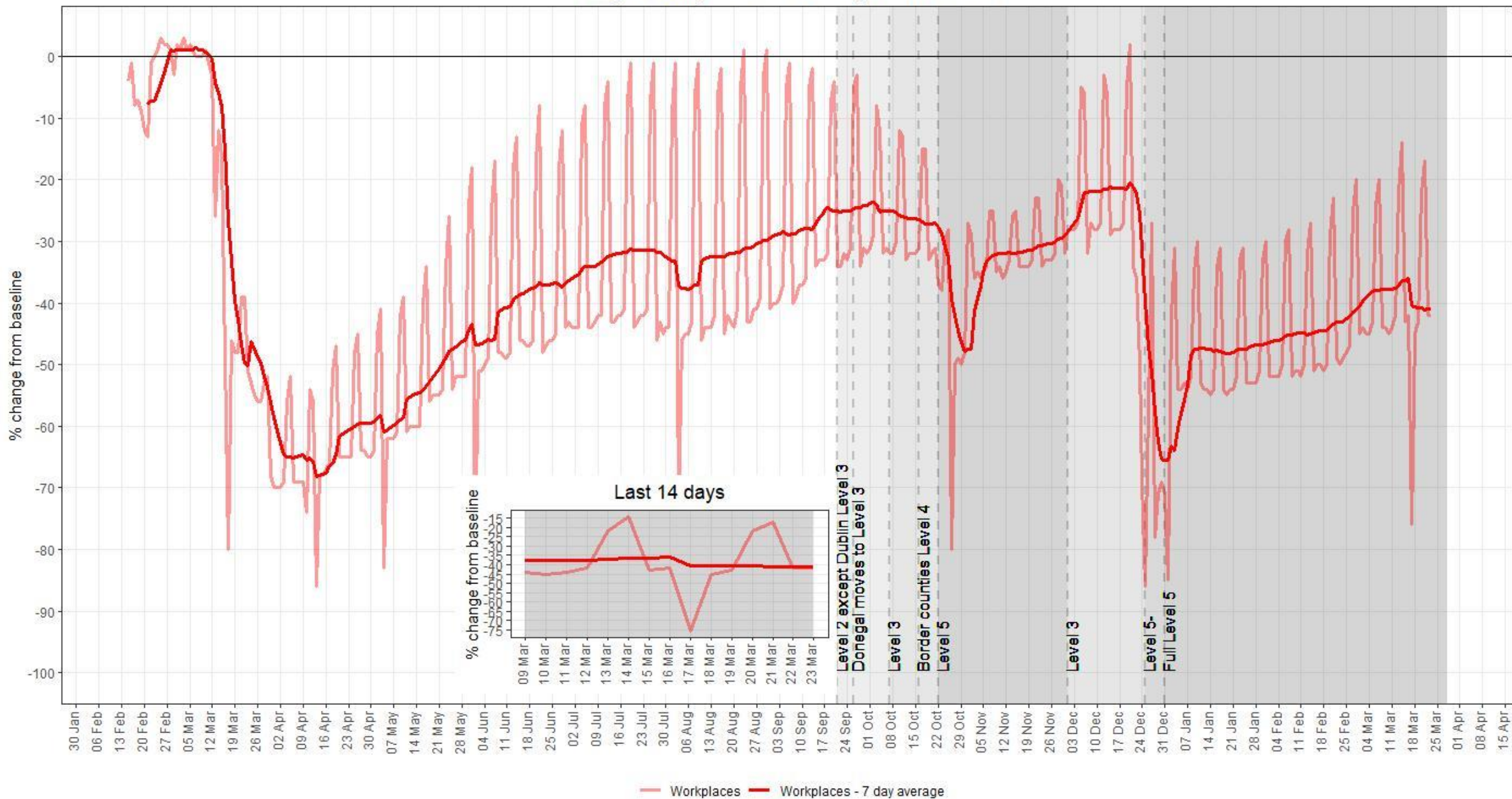
Overall Public Transport daily passengers



Google Mobility Ireland - % change from baseline



Google Mobility Ireland - % change from baseline



Apple Mobility Ireland - % change from baseline

