



An Roinn Sláinte
Department of Health

NPHET COVID Update 18th 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.)	05-Mar	09-Mar	13-Mar	17-Mar
14-day incidence	96.08	306.20	86.90	320.67	1494.81	175.1	162.4	150.6	148.0
5-day average cases	407.0	919.4	261.0	1477.2	4460.4	484	488	559	481
Total weekly cases	2607	7000	1893	9420	35379	3712	3407	3538	3641

	01-Oct	26-Oct (2 nd wave peak 14 day inc.)	01-Dec	01-Jan	14-Jan (3 rd wave peak 14 day inc.)	05-Mar	09-Mar	13-Mar	17-Mar
No. Hospital (8.A.M)	122	344	224	508	1792	426	397	340	350
No. in ICU (6.30 P.M)	22	40	30	42	176	100	93	85	85

	01-Oct	26-Oct (2 nd wave peak 14 day inc.)	01-Dec	01-Jan	14-Jan (3 rd wave peak 14 day inc.)	05-Mar	09-Mar	13-Mar	17-Mar
Positivity rate (7 day average)	3.0%	6.1%	2.7%	12.5%	17.0%	4.1%	3.8%	3.7%	3.8%

	November	December	January	February	March
Total Deaths	186	197	1356	780	103
Deaths associated with Nursing Home outbreaks	55	66	517	304	23
Deaths associated with Hospital outbreaks	68	68	191	121	17

Cases, numbers in hospital and intensive care

There is progress against all indicators of disease, though cases and number of people requiring hospital care remain high. The number of people in hospital and ICU continues to decrease. The number of deaths per day remains high but is decreasing



	Apr 2020	Summer 2020	Oct 2020	Dec 2020	Jan 2021	17 Feb	24 Feb	3 Mar	10 Mar	17 Mar	Daily count 17 Mar
Cases confirmed per day	859 18-04	8.7 25-06	1158 21-10	262 12-12	6520 10-01	816	737	620	487	520	557
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	261	231	199	163	148	
Hospital in-patients	862 17-04	9 02-08	333 01-11	198 16-12	1949 24-01	907	723	542	415	351	360
<i>Hospital admissions per day</i>	85 04-04	<1 10-07	27 26-10	11 13-12	158 15-01	45	40	23	24	23	25
ICU confirmed cases	150 14-04	4 04-08	43 04-11	26 27-12	217 28-01	163	149	127	100	86	83
<i>ICU admissions per day</i>	14 31-03	<1 03-06	4 03-11	1 16-12	20 17-01	8	6	4	4	3	3
Deaths confirmed per day	46 22-04	<1 30-07	7 01-12	4 17-12	57 03-02	35	29	18	20	16	17

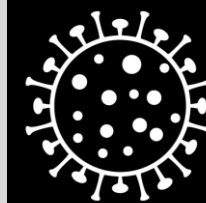
Data are 7-day averages (the indicated day and the preceding 6 days, rounded to the nearest whole number) with the exception of 14 day cumulative incidence, which is the total number of cases in the preceding 14 days per 100,000 population. The highest and lowest values of each indicator are given for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

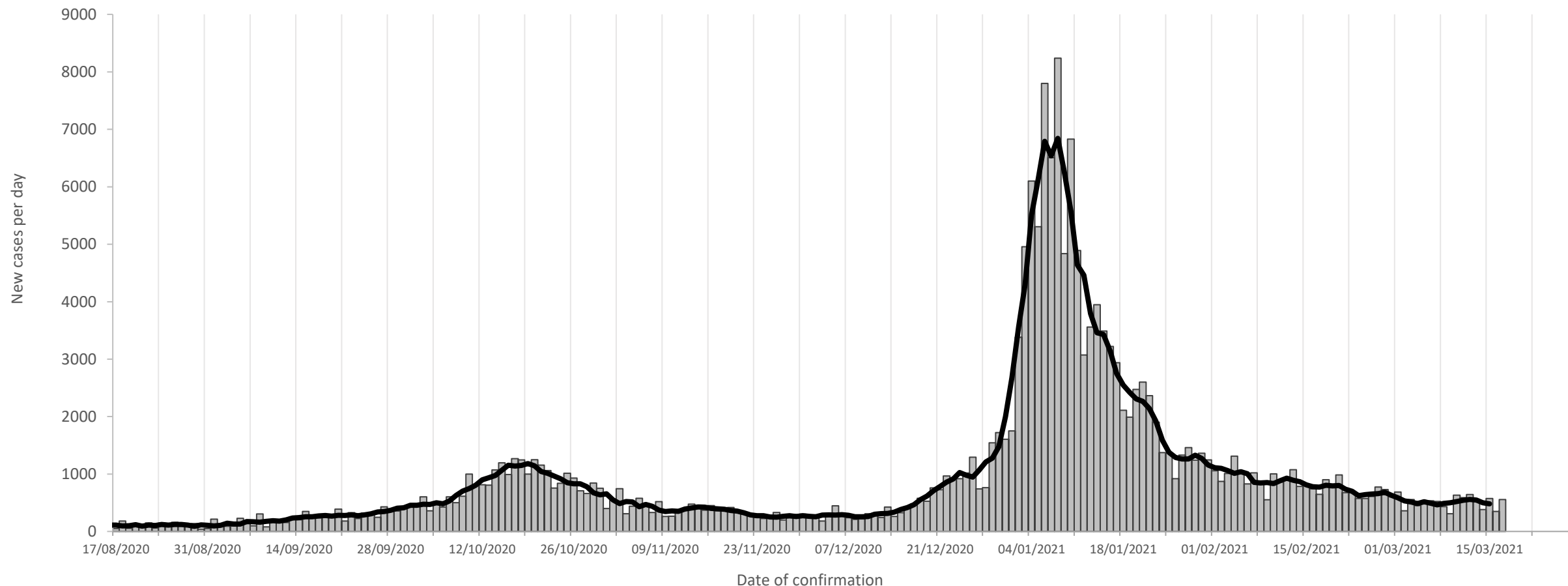
Confirmed cases each day

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 and is now plateaued at **481**



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Cases per week	711	796	912	1303	1947	2059	3031	4457	7398	7073	4838	3424	2583	2580	1798	2028	1964	3368	6597	15729	45621	25123	14815	8931	7147	6031	5530	4554	3632	3538
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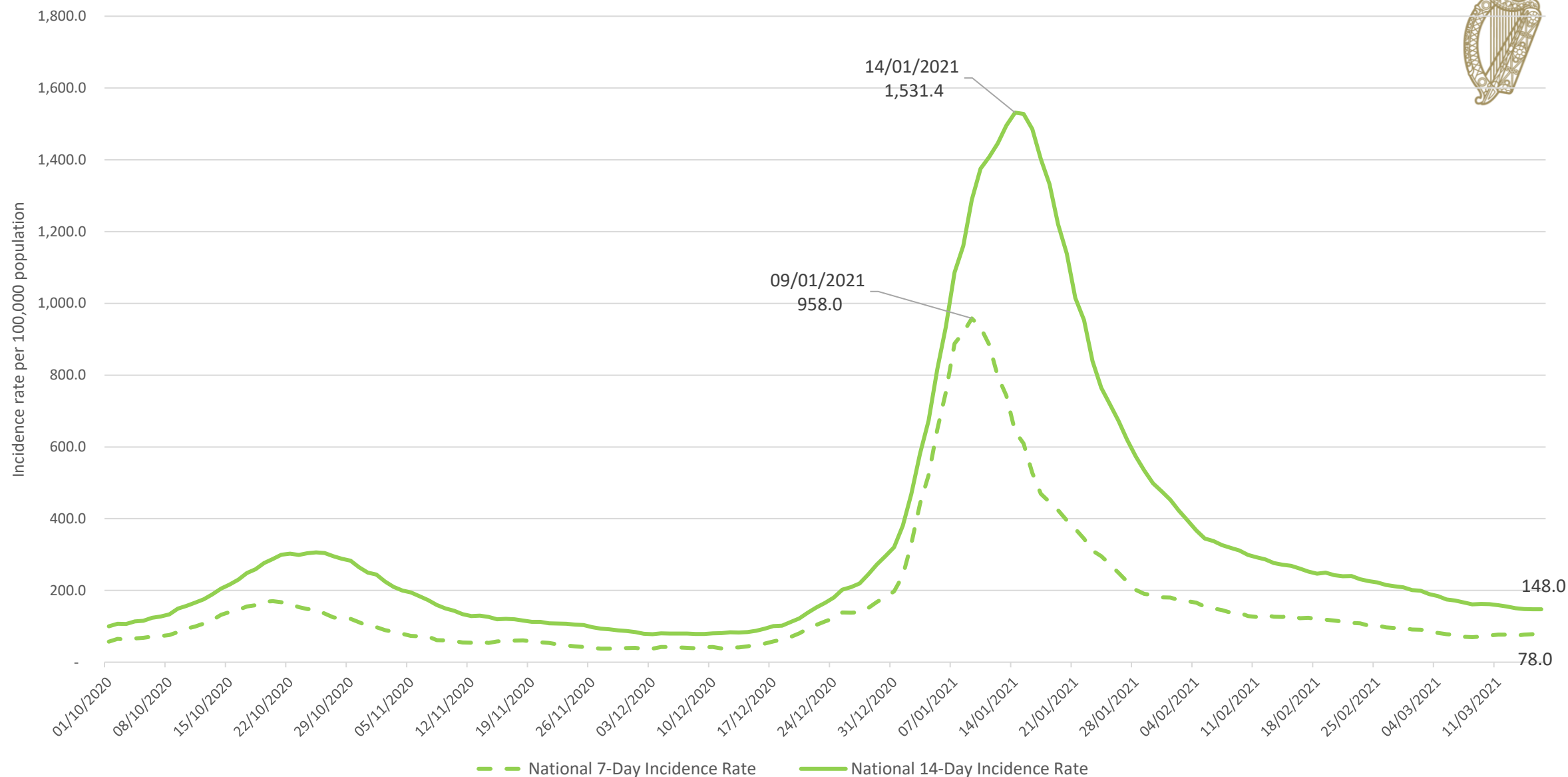


Daily count (bars) 5-day average (line) and weekly counts of the number of laboratory confirmed new cases by date on which they were confirmed by HPSC. Case counts may change due to denotification of cases. Weekly case counts are by notification (event) date and standard epidemiological week.

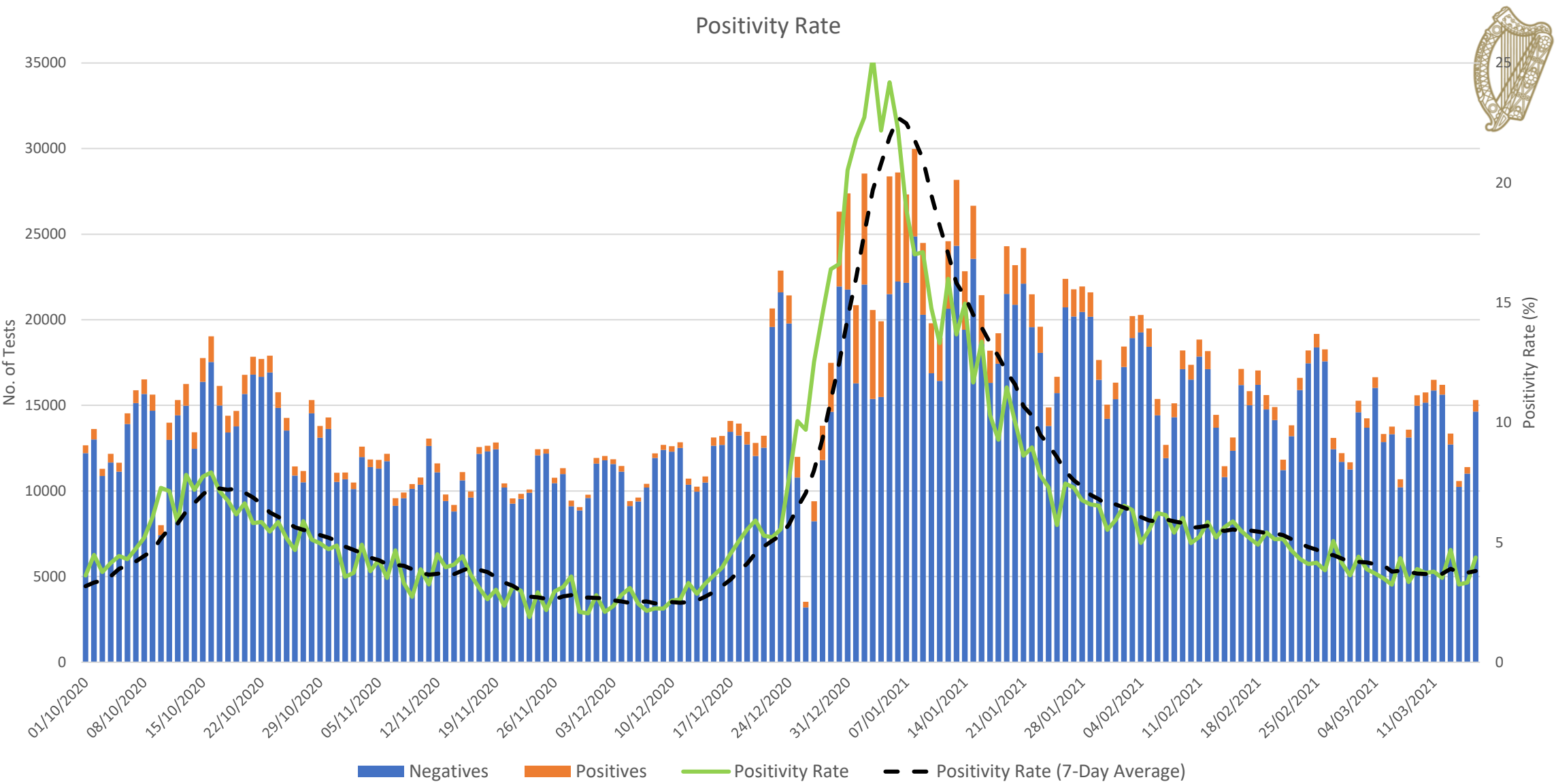


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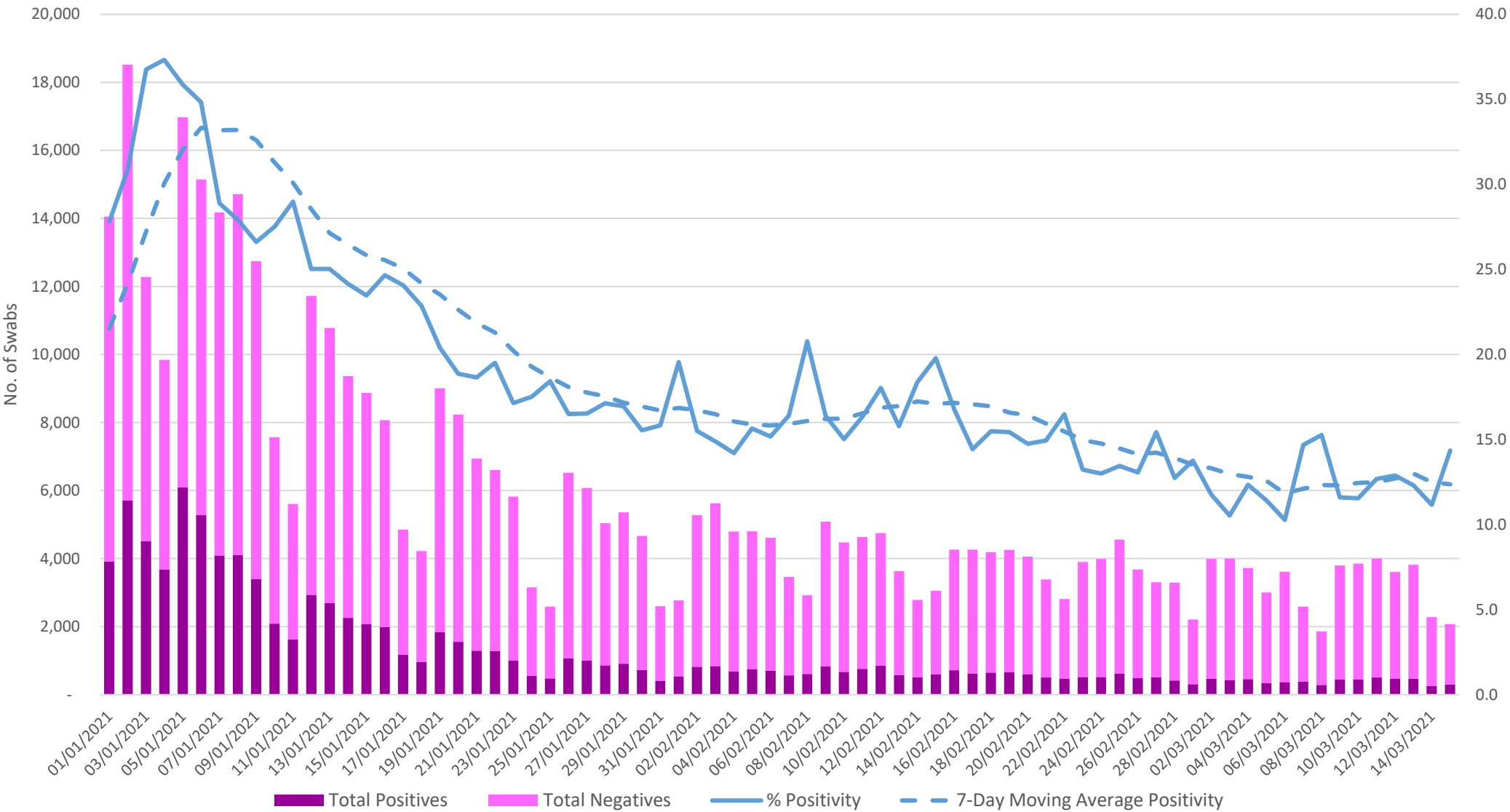
National 7 and 14-Day Incidence Rates



Recent trend in positivity rate



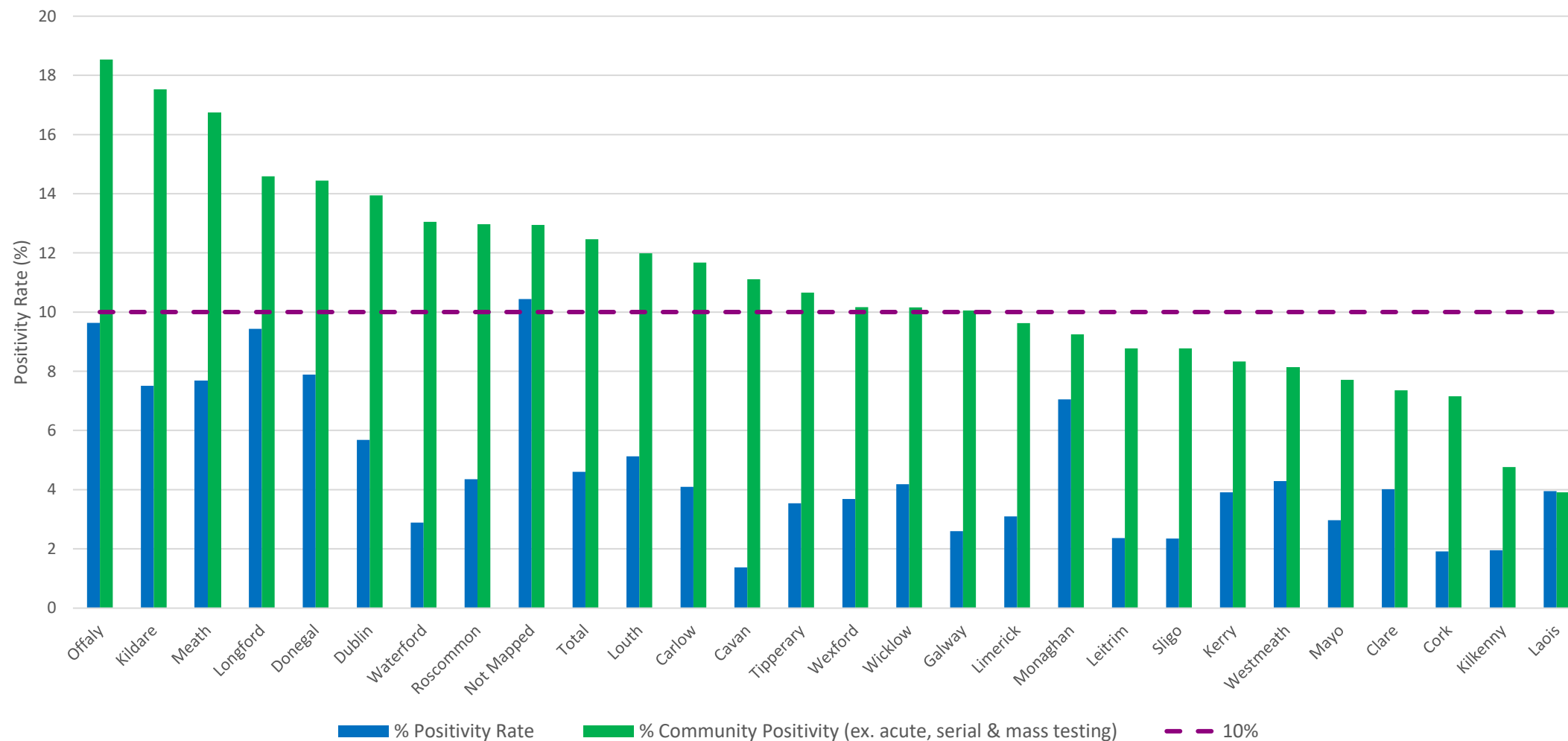
Community Testing (ex. acute, serial & mass): Total tests and % Positivity





% Positivity Rate Past 7 Days: Total and in Community (ex. acute, serial & mass testing) by County as at 15/03/21

(Data provided by HSE Contact Tracing Team and may differ from daily positivity rate data from Cumulative Labs Report)



Updated 16/03/2021. Source: CRM data, HSE Contact and Tracing Team. Refers to positive lab results excluding private testing. Data may not be complete

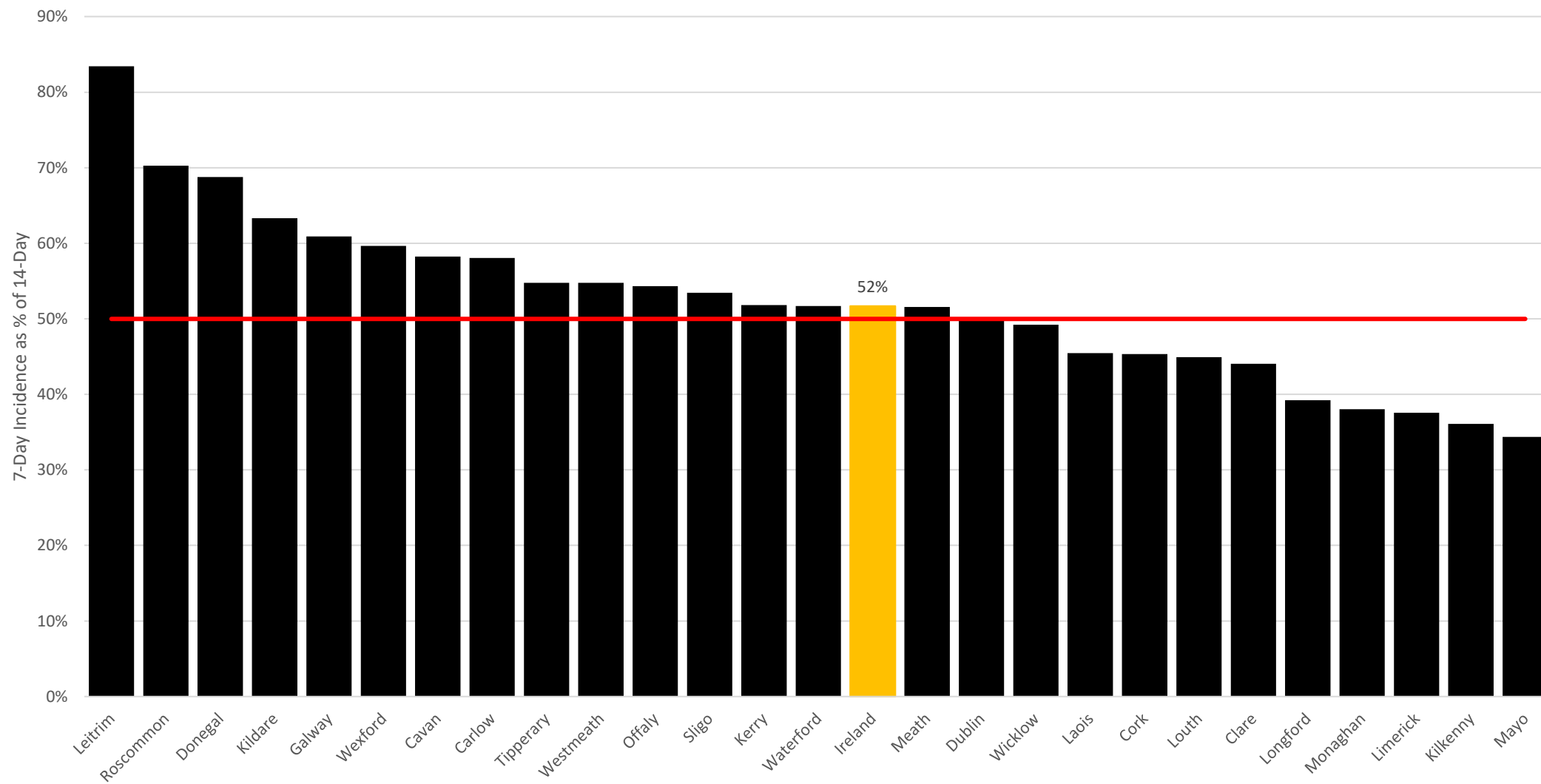
% Positivity Rate refers to total swabs – acute, community, serial and other mass testing

% Community Positivity = Swabs tested in Community labs for GP referrals (symptomatic, close contact etc), excluding acute, serial and mass testing.

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

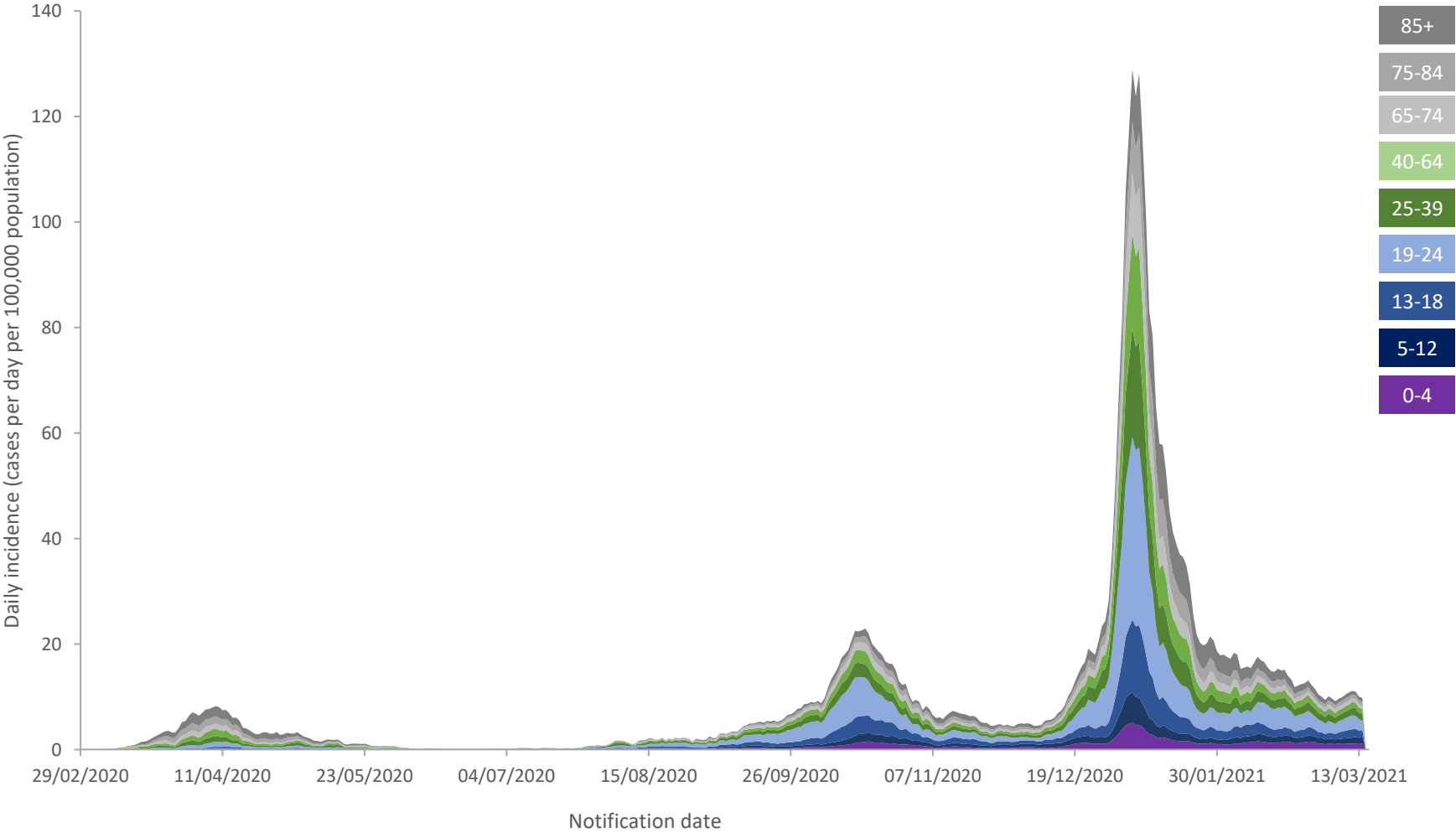


7-Day Incidence Rate per 100,000 as % of 14-Day Incidence



Incidence across different age groups (excluding HCW and LTRC)

Incidence increased in those aged 5 - 64 years between week 9 and week 10, most prominently in those aged 19-24 years, 13-18 years, 5-12 years and 25-39 years.

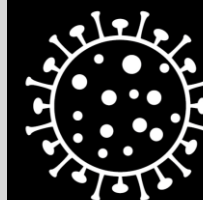


Week	Age band								
	0-4	5-12	13-18	19-24	25-39	40-64	65-74	75-84	85+
9	0.0	0.0	0.3	0.0	0.1	0.1	0.0	0.0	0.0
10	0.0	0.2	0.3	0.0	0.2	0.7	0.5	1.0	0.0
11	0.6	0.2	0.5	5.4	5.0	4.4	4.6	6.6	7.4
12	4.5	2.4	7.5	22.9	27.7	31.1	25.2	24.9	37.0
13	6.9	4.2	14.5	58.3	73.3	86.5	72.6	88.5	94.7
14	4.5	4.4	6.7	28.1	40.1	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	10.2	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	1.0	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	8.3	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	90.4	197.5	434.2	154.4	142.7	90.2	67.2	69.6
43	81.7	93.9	174.7	301.9	123.3	121.7	85.4	82.4	84.4
44	55.8	67.3	96.1	155.8	75.5	77.7	55.2	55.5	59.2
45	34.7	40.1	57.9	83.9	57.9	46.0	42.8	44.3	47.4
46	41.9	37.2	65.4	89.4	45.5	45.0	32.4	42.7	69.6
47	22.0	34.1	60.0	79.7	34.6	33.0	29.2	39.7	62.2
48	23.2	31.3	45.5	66.4	33.8	29.7	22.2	36.1	40.0
49	28.4	37.0	37.7	40.5	33.2	30.1	25.4	29.0	41.4
50	21.4	39.9	44.1	57.4	39.9	35.0	22.2	31.0	22.2
51	51.9	58.5	74.5	128.3	87.9	80.8	54.6	54.5	51.8
52	77.5	77.1	120.3	325.5	175.6	134.9	96.1	95.2	119.9
53	218.1	236.6	513.7	1402.1	761.4	636.2	424.4	350.1	361.2
1	183.7	208.9	569.2	1330.0	791.4	722.1	498.0	446.3	556.6
2	130.6	126.5	303.0	582.4	415.8	419.8	302.0	410.7	578.8
3	93.5	81.3	168.2	329.4	254.1	245.6	170.8	253.4	413.0
4	74.2	60.9	127.8	230.1	154.9	146.8	119.9	161.8	269.4
5	78.1	72.9	126.8	208.3	127.0	124.0	85.9	116.5	214.6
6	91.7	85.3	124.6	223.7	117.7	101.5	68.5	90.1	125.8
7	87.5	76.4	96.6	253.3	106.4	88.6	59.2	79.9	119.9
8	87.5	69.8	89.9	186.6	94.2	77.1	43.4	56.0	90.3
9	67.0	57.0	65.4	125.3	76.1	58.6	45.2	45.3	41.4
10	68.2	68.0	90.2	146.4	80.3	59.1	39.6	41.7	42.9

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 increased in those aged 5 - 64 years between week 9 and week 10, most prominently in those aged 19-24 years, 13-18 years, 5-12 years and 25-39 years.



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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	60.0	79.7	34.6	33.0	29.2	39.7	62.2
48	23.2	31.3	45.5	66.4	33.8	29.7	22.2	36.1	40.0
49	28.4	37.0	37.7	40.5	33.2	30.1	25.4	29.0	41.4
50	21.4	39.9	44.1	57.4	39.9	35.0	22.2	31.0	22.2
51	51.9	58.5	74.5	128.3	87.9	80.8	54.6	54.5	51.8
52	77.5	77.1	120.3	325.5	175.6	134.9	96.1	95.2	119.9
53	218.1	236.6	513.7	1402.1	761.4	636.2	424.4	350.1	361.2
1	183.7	208.9	569.2	1330.0	791.4	722.1	498.0	446.3	556.6
2	130.6	126.5	303.0	582.4	415.8	419.8	302.0	410.7	578.8
3	93.5	81.3	168.2	329.4	254.1	245.6	170.8	253.4	413.0
4	74.2	60.9	127.8	230.1	154.9	146.8	119.9	161.8	269.4
5	78.1	72.9	126.8	208.3	127.0	124.0	85.9	116.5	214.6
6	91.7	85.3	124.6	223.7	117.7	101.5	68.5	90.1	125.8
7	87.5	76.4	96.6	253.3	106.4	88.6	59.2	79.9	119.9
8	87.5	69.8	89.9	186.6	94.2	77.1	43.4	56.0	90.3
9	67.0	57.0	65.4	125.3	76.1	58.6	45.2	45.3	41.4
10	68.2	68.0	90.2	146.4	80.3	59.1	39.6	41.7	42.9

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.

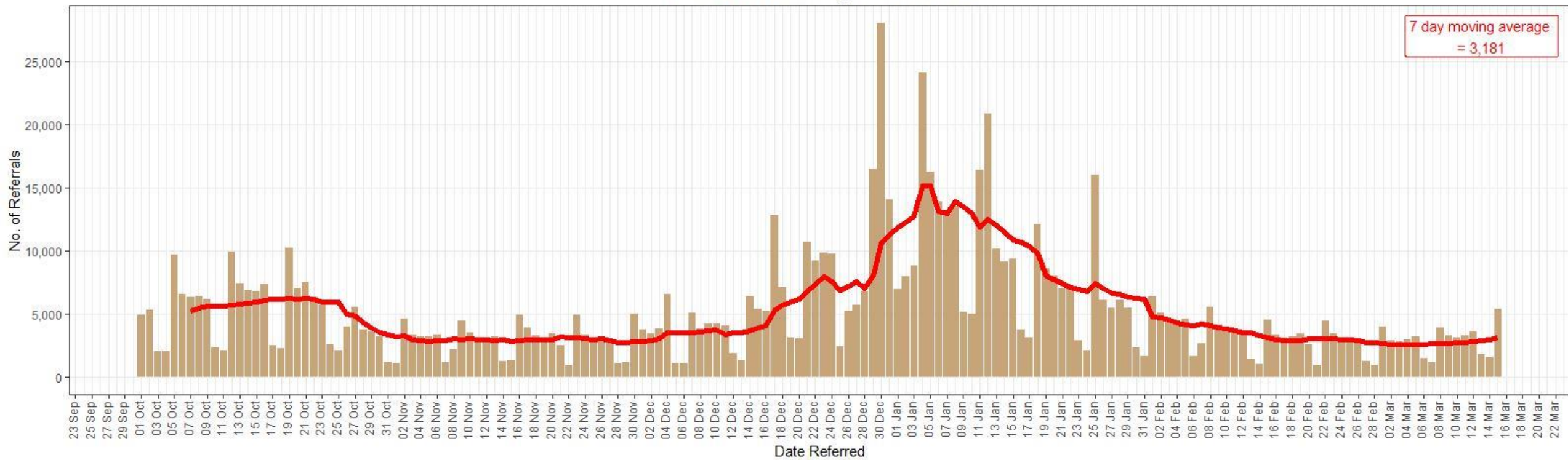


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GP referrals

GP Referrals excluding Close Contacts



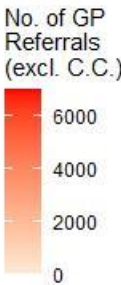
Feb

	1 6,437 referrals (-60%)	2 5,094 referrals (-17%)	3 4,563 referrals (-17%)	4 4,408 referrals (-28%)	5 4,648 referrals (-16%)	6 1,680 referrals (-30%)
7 2,647 referrals (+60%)	8 5,543 referrals (-14%)	9 4,134 referrals (-19%)	10 3,740 referrals (-18%)	11 3,685 referrals (-16%)	12 3,402 referrals (-27%)	13 1,415 referrals (-16%)
14 1,048 referrals (-60%)	15 4,543 referrals (-18%)	16 3,385 referrals (-18%)	17 3,163 referrals (-15%)	18 3,268 referrals (-11%)	19 3,452 referrals (+1%)	20 2,577 referrals (+82%)
21 990 referrals (-6%)	22 4,467 referrals (-2%)	23 3,433 referrals (+1%)	24 3,012 referrals (-5%)	25 2,939 referrals (-10%)	26 3,087 referrals (-11%)	27 1,255 referrals (-51%)
28 969 referrals (-2%)						
Sun	Mon	Tue	Wed	Thu	Fri	Sat

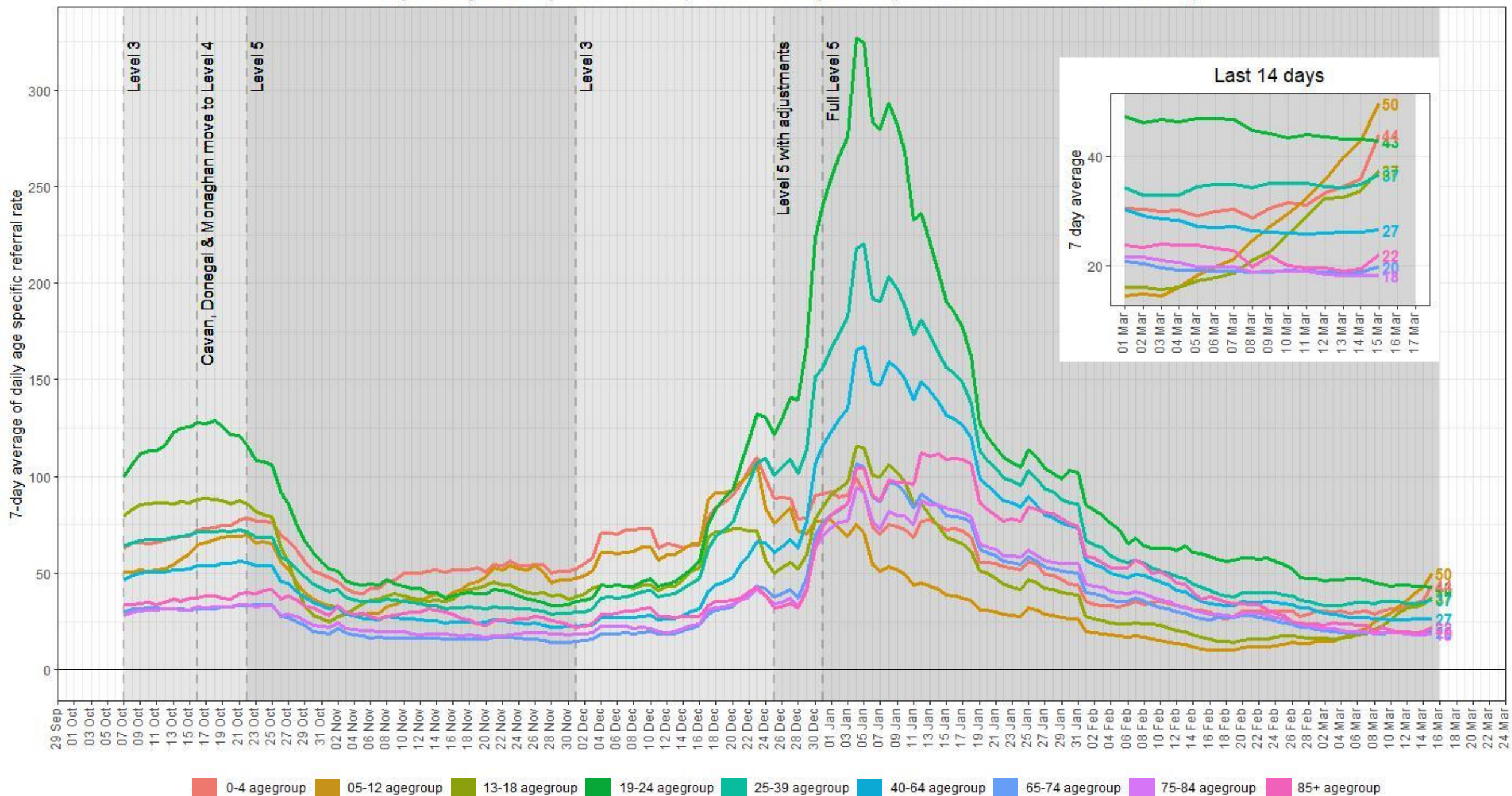
Mar

	1 4,022 referrals (-10%)	2 2,917 referrals (-15%)	3 2,818 referrals (-6%)	4 2,960 referrals (+1%)	5 3,234 referrals (+5%)	6 1,485 referrals (+18%)
7 1,166 referrals (+20%)	8 3,953 referrals (-2%)	9 3,329 referrals (+14%)	10 3,121 referrals (+11%)	11 3,306 referrals (+12%)	12 3,625 referrals (+12%)	13 1,864 referrals (+26%)
14 1,617 referrals (+39%)	15 5,406 referrals (+37%)	16	17	18	19	20
21	22	23	24	25	26	27
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.



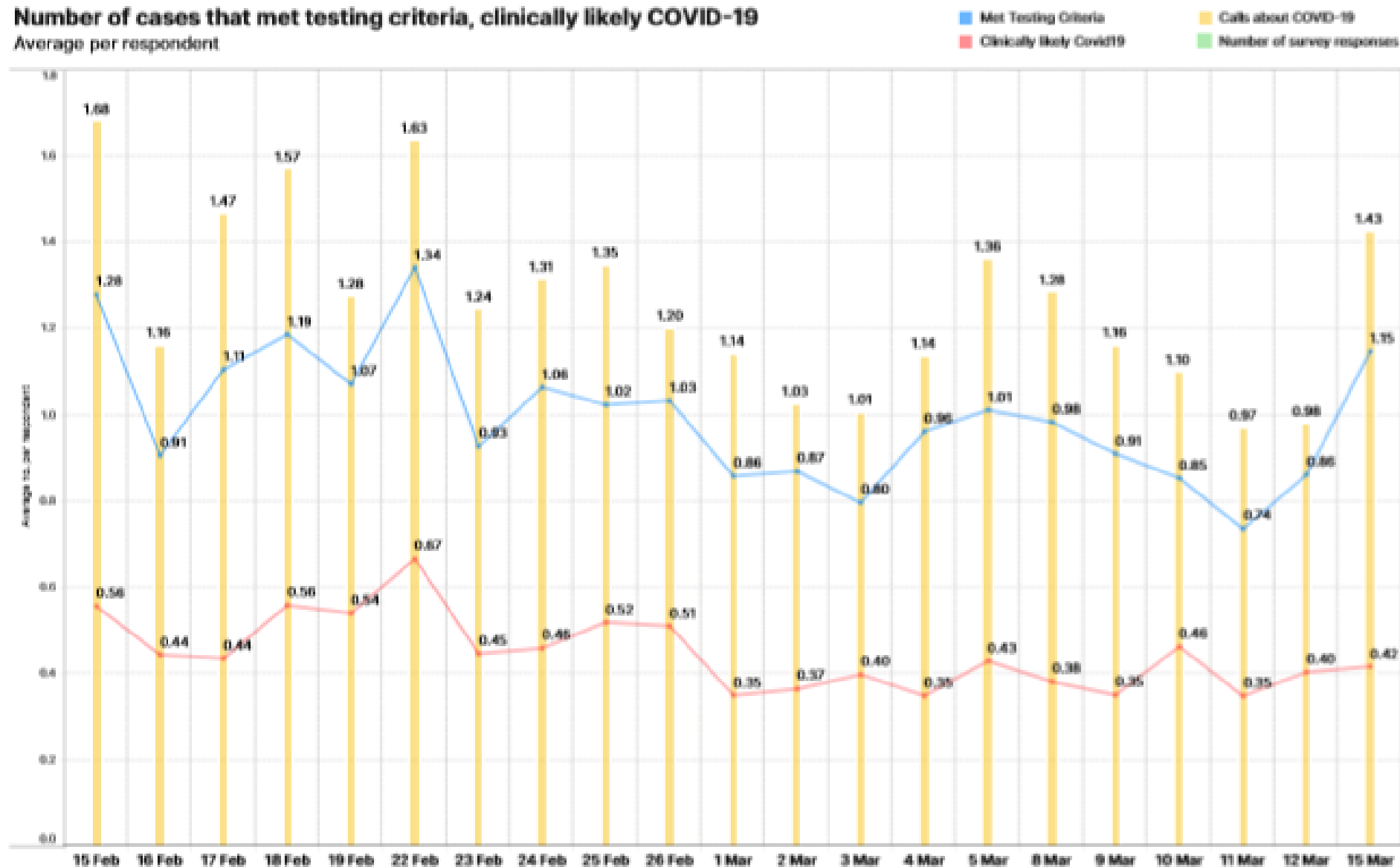
7-day Average of Daily Referral Rate per 100,000 Population (GP Referrals excl. Close Contacts)





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

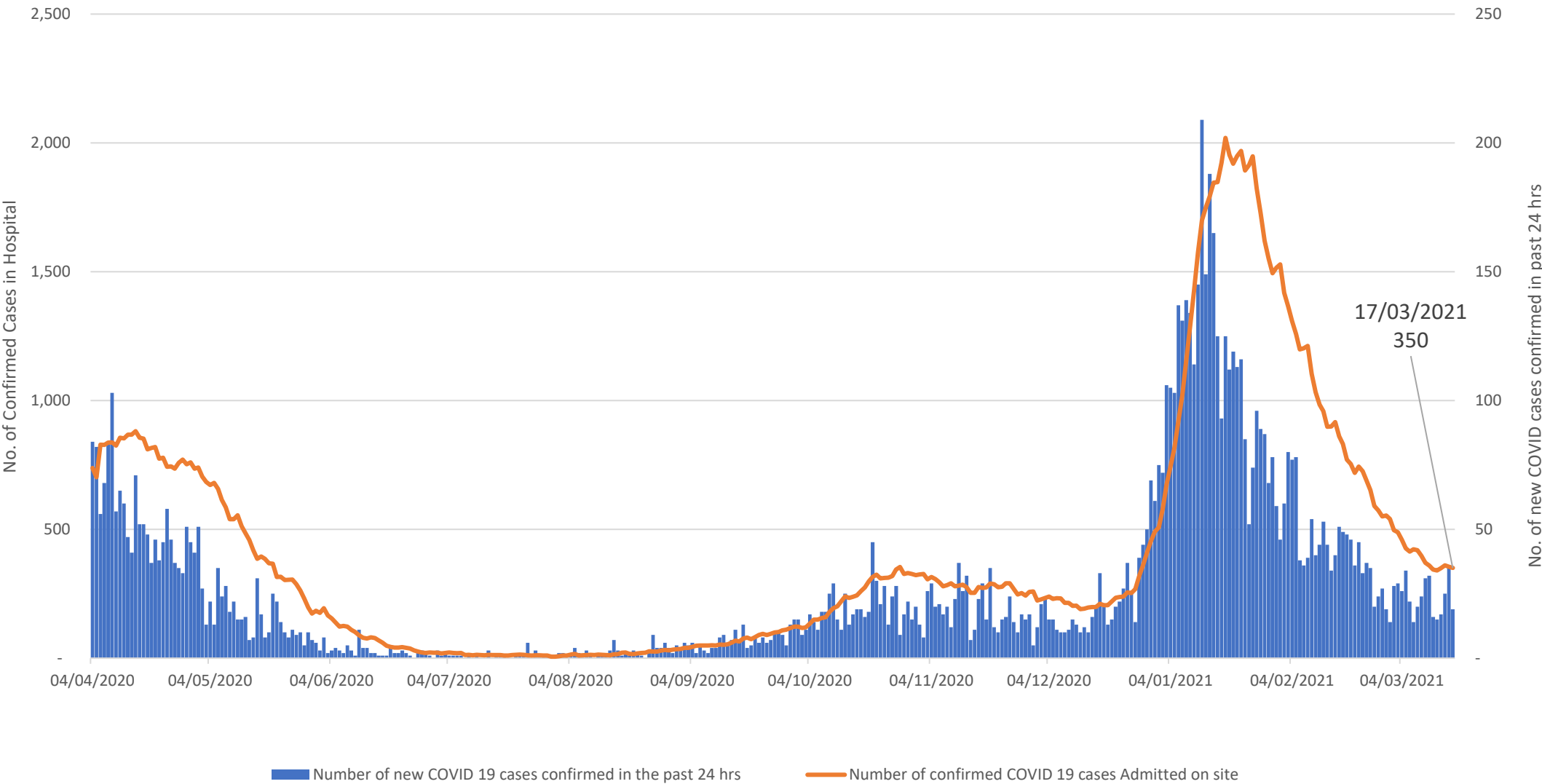
Average per respondent



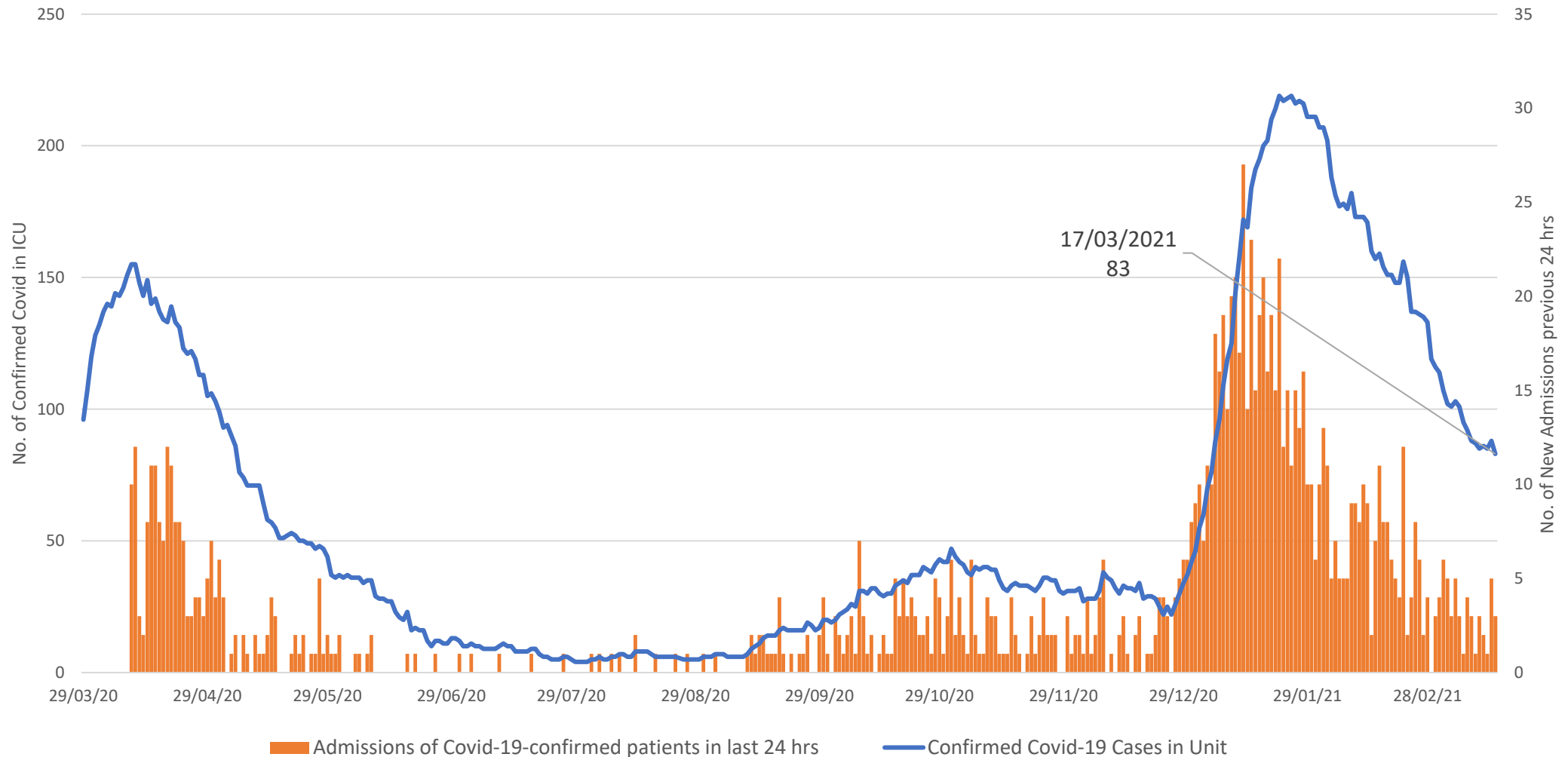


Hospital & ICU Data

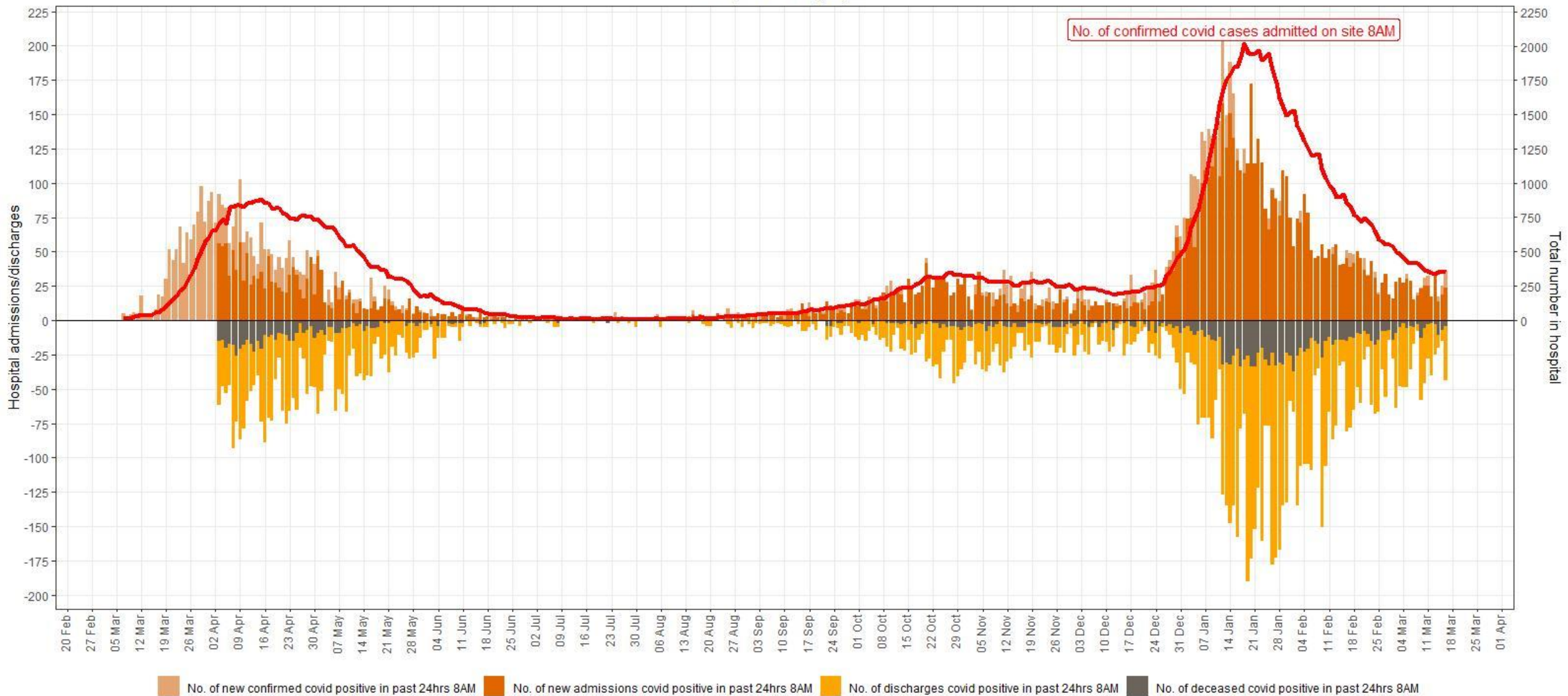
Total No. of Confirmed Covid Cases in Hospital at 8AM &
No. of New Confirmed Covid Cases in Past 24 hrs



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

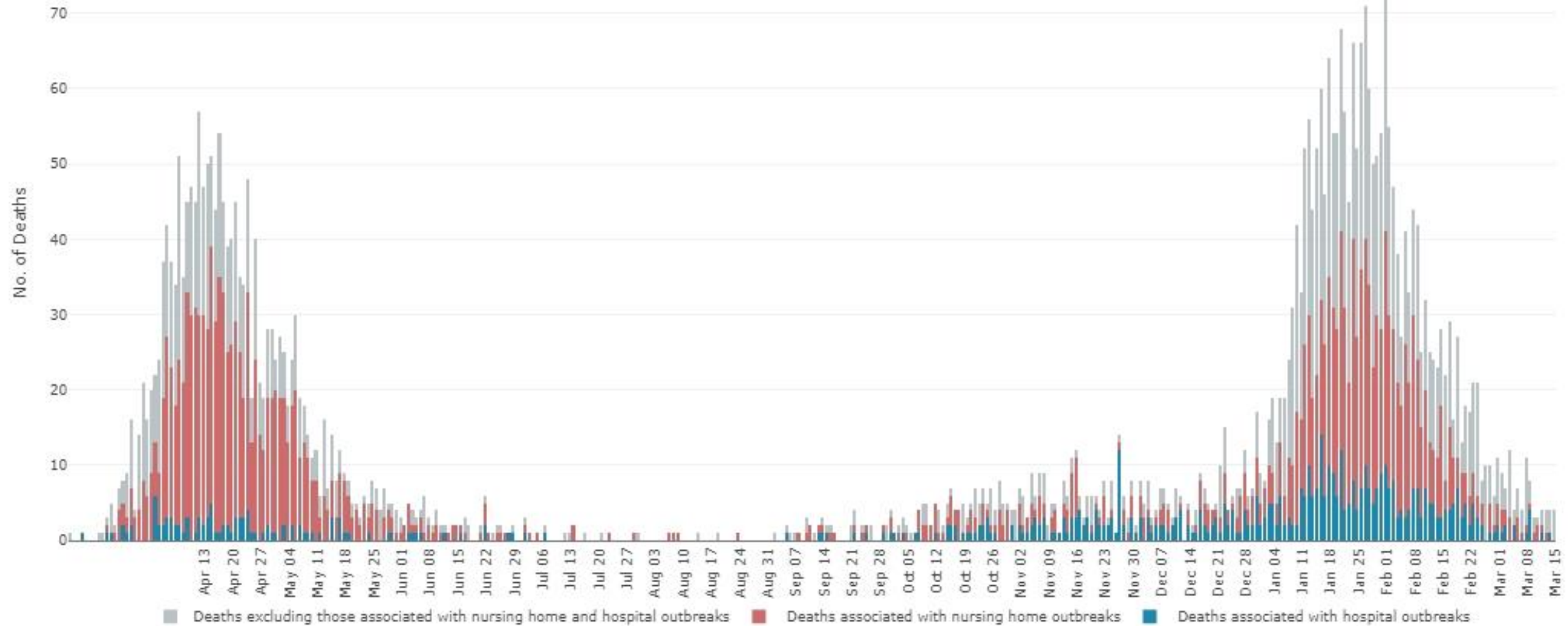
No. of confirmed covid cases admitted on site 8AM

10 Mar	11 Mar	12 Mar	13 Mar	14 Mar	15 Mar	16 Mar
31	32	16	15	17	25	36
40	25	38	22	9	8	40
6	3	2	3	11	7	4
370	359	344	340	349	360	355



Deaths

Deaths by Date of Death since March





Outbreaks & Clusters

COVID-19 outbreaks by key outbreak locations, week 10 2021 and overall, 2020-2021 Ireland



- Since March 1st 2020, 13,416 outbreaks have been notified to CIDR
- In week 10, 2021 339 outbreaks were notified. 95 of which were late notifications of outbreaks from October (n=1), November (n=3), December (n=22) and January (n=69)

Key outbreak locations	Week 10	Weeks 10-47	Weeks 48-10
Workplace	14	292	318
Direct Provision Centre	1	37	35
Vulnerable groups*	21	101	241
Prisons	0	9	5
Nursing Home/Community Hospital	3	380	251
Acute hospitals	12	178	209
Schools^	8	78	127
Childcare facility	8	200	149

*Includes Irish Travellers, Roma, homeless and addiction service population

^These outbreaks are associated with school children +/- school staff. Transmission of COVID-19 within the school has not necessarily been established in these outbreaks

Data source: CIDR March 16th 2021 – data to midnight March 13th 2021

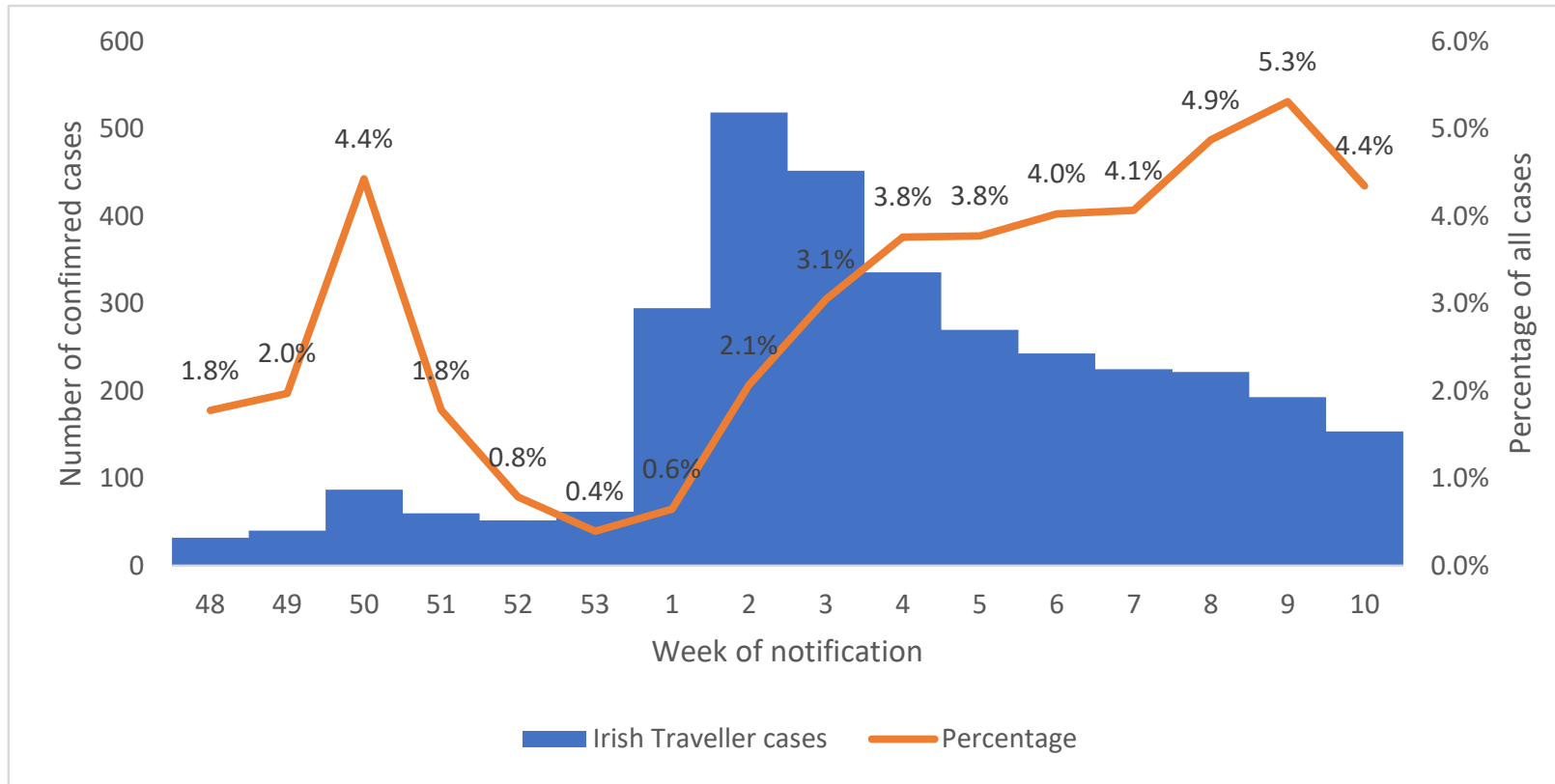
Weekly Summary



- **Total** number of outbreaks week 10, 2021 n=339 (including 95 late notifications) compared with week 9, 2021 n=431 (including 141 late notifications)
- **Vulnerable groups**
 - Irish Travellers – wave 3 -202 outbreaks, 3247 cases
 - Week 10 – 15 new outbreak (2 late notifications), 109 linked cases
 - In past 5 weeks Traveller cases > 4% all cases
 - 1 new outbreak in DPCs – 3 linked cases
 - 5 new outbreaks in homeless population – 12 linked cases
 - 1 new outbreak in Addiction Services – 2 linked cases
- **Workplace outbreaks**
 - 23 open outbreaks in food industry with 536 linked cases
 - 1 new food industry outbreak since last week's report – 32 linked cases
 - 14 cases linked to 4 previously notified food industry outbreaks
- **Residential institution outbreaks**
 - 97 outbreaks are 'open' with 841 linked cases (range 0-49)
 - 8 new outbreak since last week's report with 107 linked cases (4 late notifications or re-categorisations with 75 linked cases)
- **Home care Teams**
 - 34 open outbreaks – 123 linked cases
 - 14 deaths associated with these outbreaks
 - Six new outbreaks with 10 linked cases notified since last report
- **Nursing Homes & Community Hospitals**
 - 110/631 outbreaks remain open with 4145 linked cases
 - 3 new outbreaks with 5 linked cases since last week's report
 - 28 additional cases this week occurring in 16 outbreaks notified in previous weeks
 - Since November 22nd 2020, 960 deaths
- **Acute hospitals**
 - 88/387 outbreaks remain open, 1452 linked cases (range 1-155)
 - 12 new outbreaks since last week's report with 48 linked cases (5 outbreaks were late notifications).
 - Since November 22nd 2020, 381 deaths have occurred in cases linked to acute hospitals outbreaks
- **Schools**
 - 8 new outbreaks since last week's report, 21 linked cases (range 1-7)
- **Childcare facilities**
 - 8 new outbreaks since last week's report with 29 linked cases (range 1-8)
 - 43 cases linked to 10 previously notified outbreaks
- **Third-level students/University/college**
 - 107 open outbreaks with 1,206 confirmed linked cases
 - 2 new outbreaks since last report with 3 linked cases

Data source: CIDR March 16th 2021 – data to midnight March 13th 2021

COVID-19 infections among Irish Travellers – November 22nd 2020 – March 13th 2021



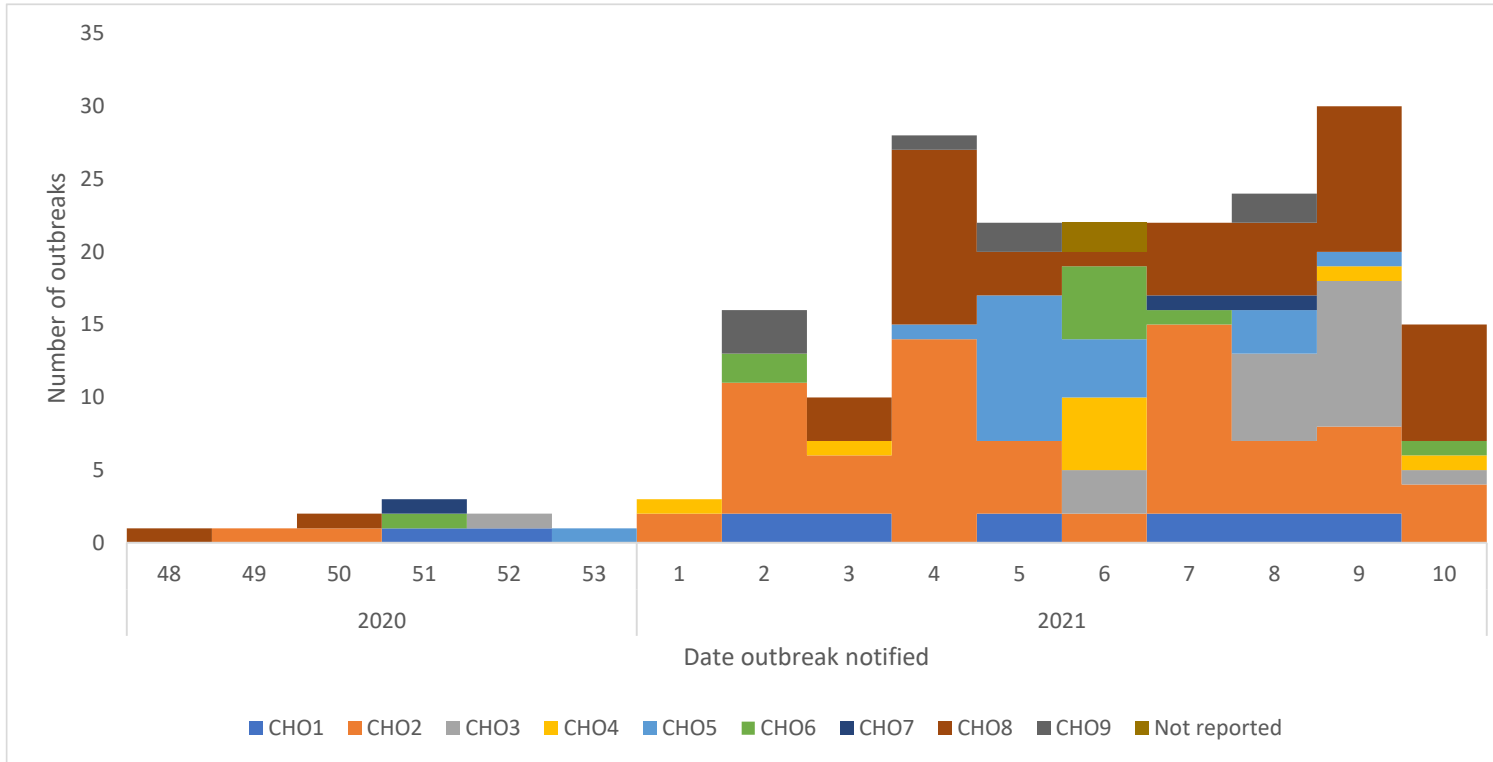
- 3247 confirmed cases
- 48% (1545/3247) male
- Median age 24 years
- 4.7% hospitalised, 15 ICU admissions and 8 deaths
- Between week 4 and week 9 2021, confirmed cases among Irish Travellers made up 3.8% - 5.3% of all confirmed COVID-19 cases each week. This decreased to 4.4% in week 10 2021

Inclusion criteria

Cases linked to outbreaks reported as affecting Irish Travellers OR whose ethnicity is reported as Irish Traveller, November 22nd 2020 to midnight March 13th 2021

Data source: CIDR March 15th 2021 – data to midnight March 13th 2021

COVID-19 outbreaks among Irish Travellers: November 22nd 2020 – March 13th 2021



November 22nd 2020 – March 13th 2021 (weeks 48 2020 to 10 2021)

- 202 outbreaks linked to Irish Travellers
- 13 of these outbreaks had 50+ linked confirmed cases (of which 4 had >100 linked cases)

Week 10 2021

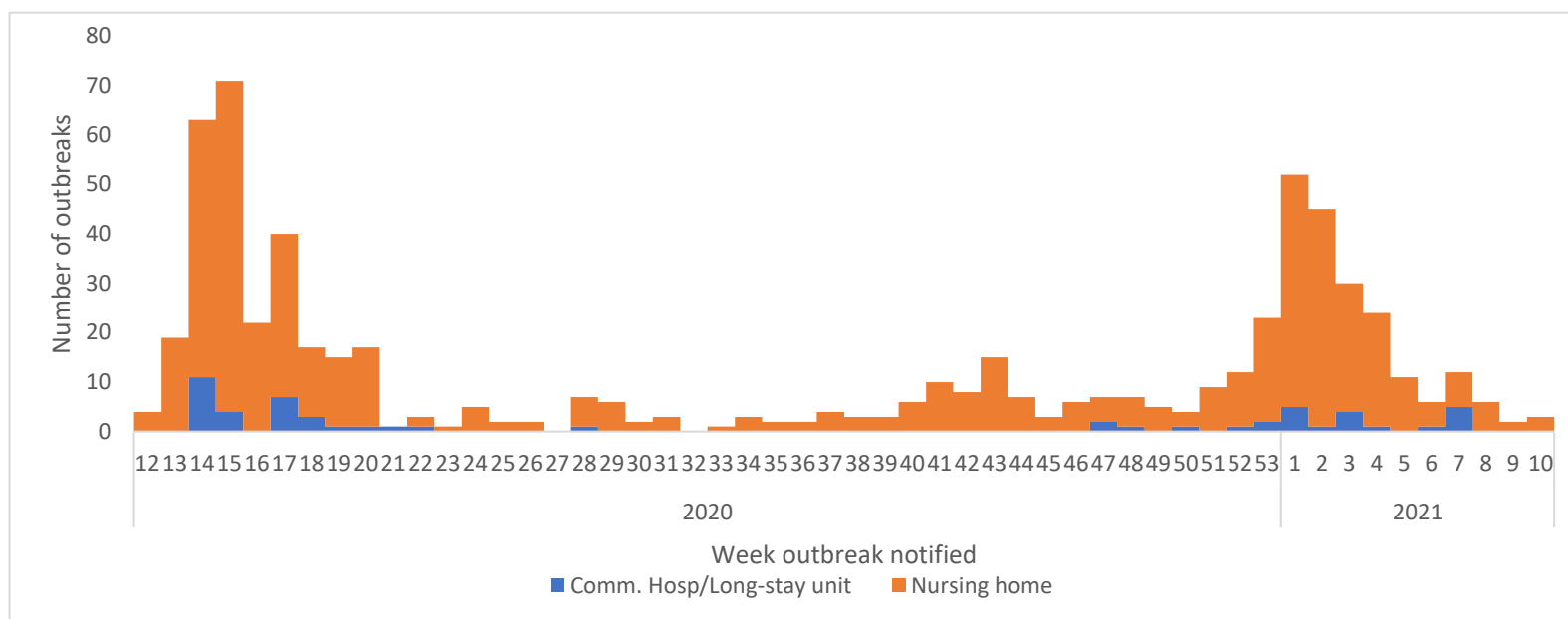
- Decrease in the weekly number of new outbreaks notified (n=15; 2 likely being late notifications) , with 109 linked cases

Data source: CIDR March 15th 2021 – data to midnight March 13th 2021

Nursing Homes and Community Hospital/Long Stay Units: to midnight March 13th 2021

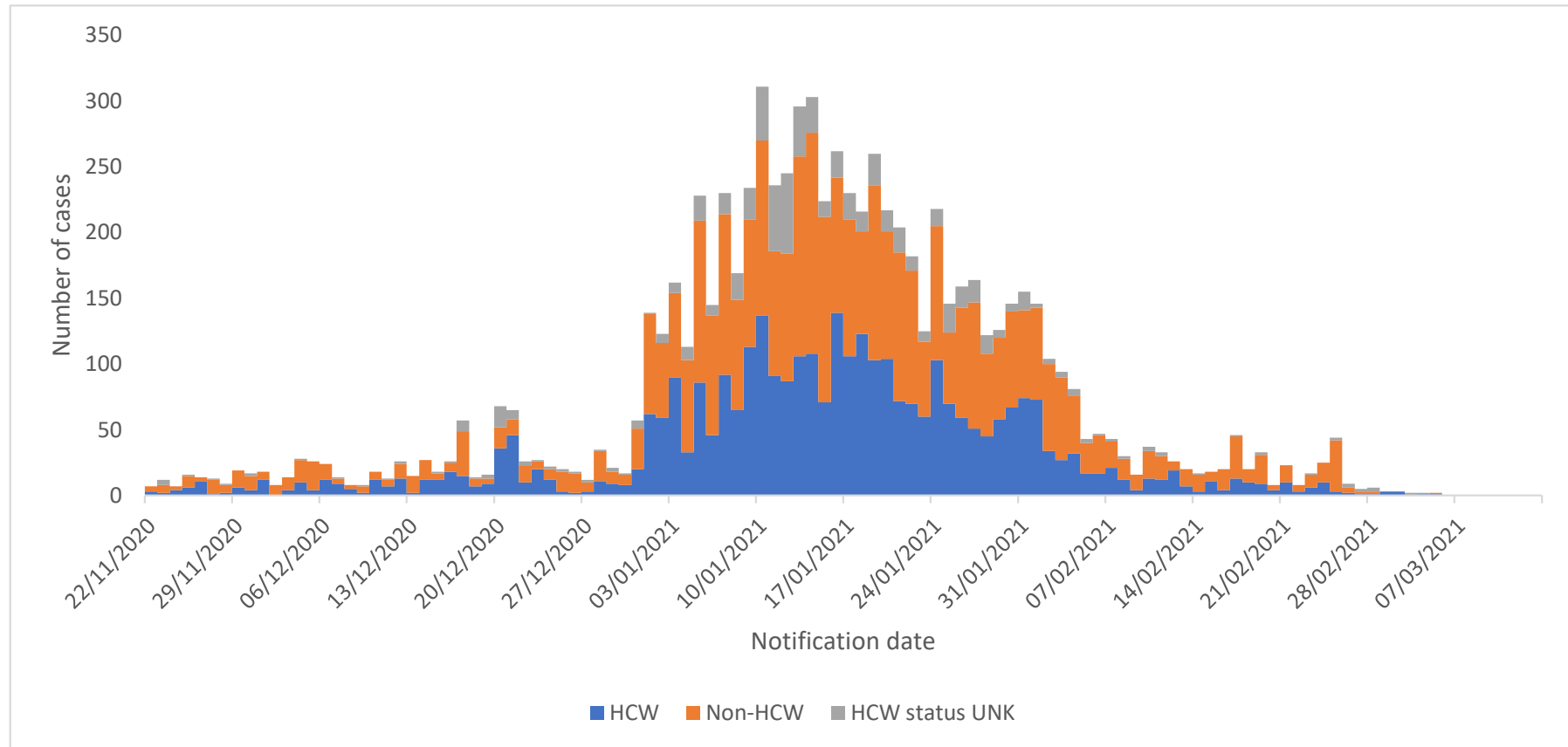
March 1st 2020 – March 13th 2021

- 631 outbreaks in Nursing Homes and Community Hospital/Long Stay Units
- Three new Nursing Home and no new Community Hospital/Long-stay Unit outbreaks notified in week 10 2021



Data source: CIDR March 15th 2021 – data to midnight March 13th 2021

Nursing Homes and Community Hospital/Long Stay Units: November 22nd 2020 to midnight March 13th 2021

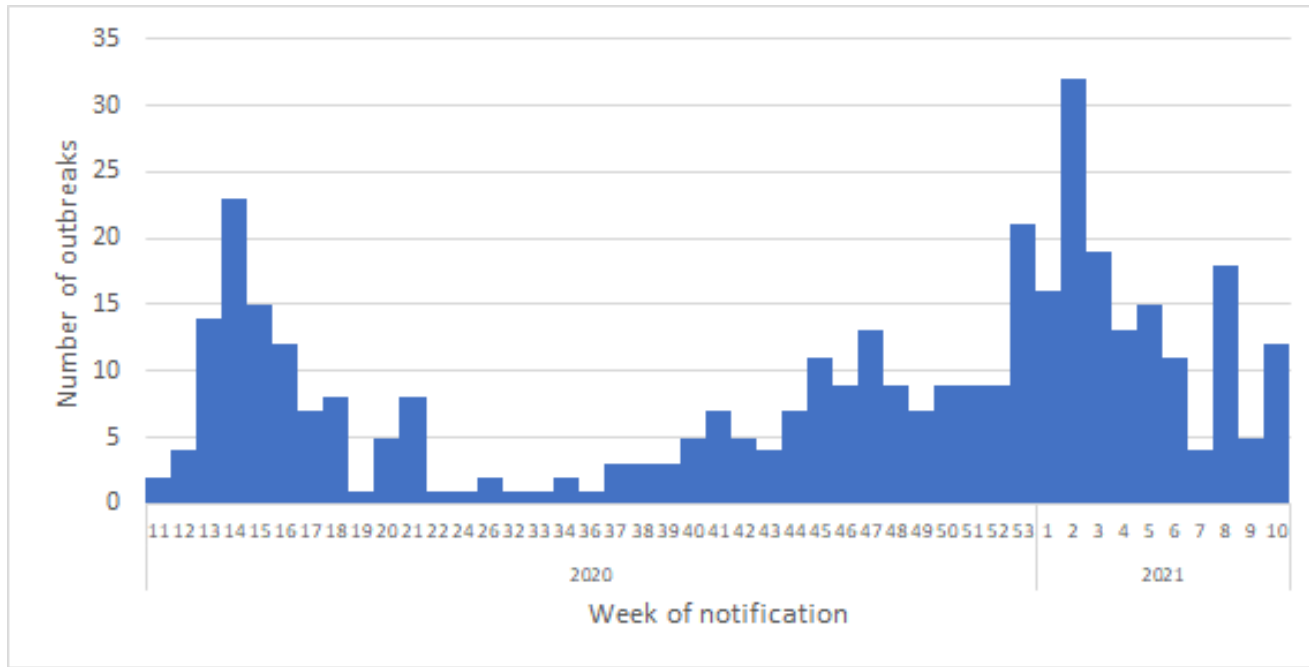


November 22nd 2020 to March 6th 2021

- 251 outbreaks notified, 8,001 linked confirmed cases notified, of whom at least 3320 were HCWs (41%)

Data source: CIDR March 15th 2021 – data to midnight March 13th 2021

Acute Hospital outbreaks to midnight March 13th 2021 (n=387)



Overview

- 387 outbreaks in acute hospitals
- 88 'open' acute hospital outbreaks
- 1,452 confirmed cases linked to the open outbreaks (range 1-155)

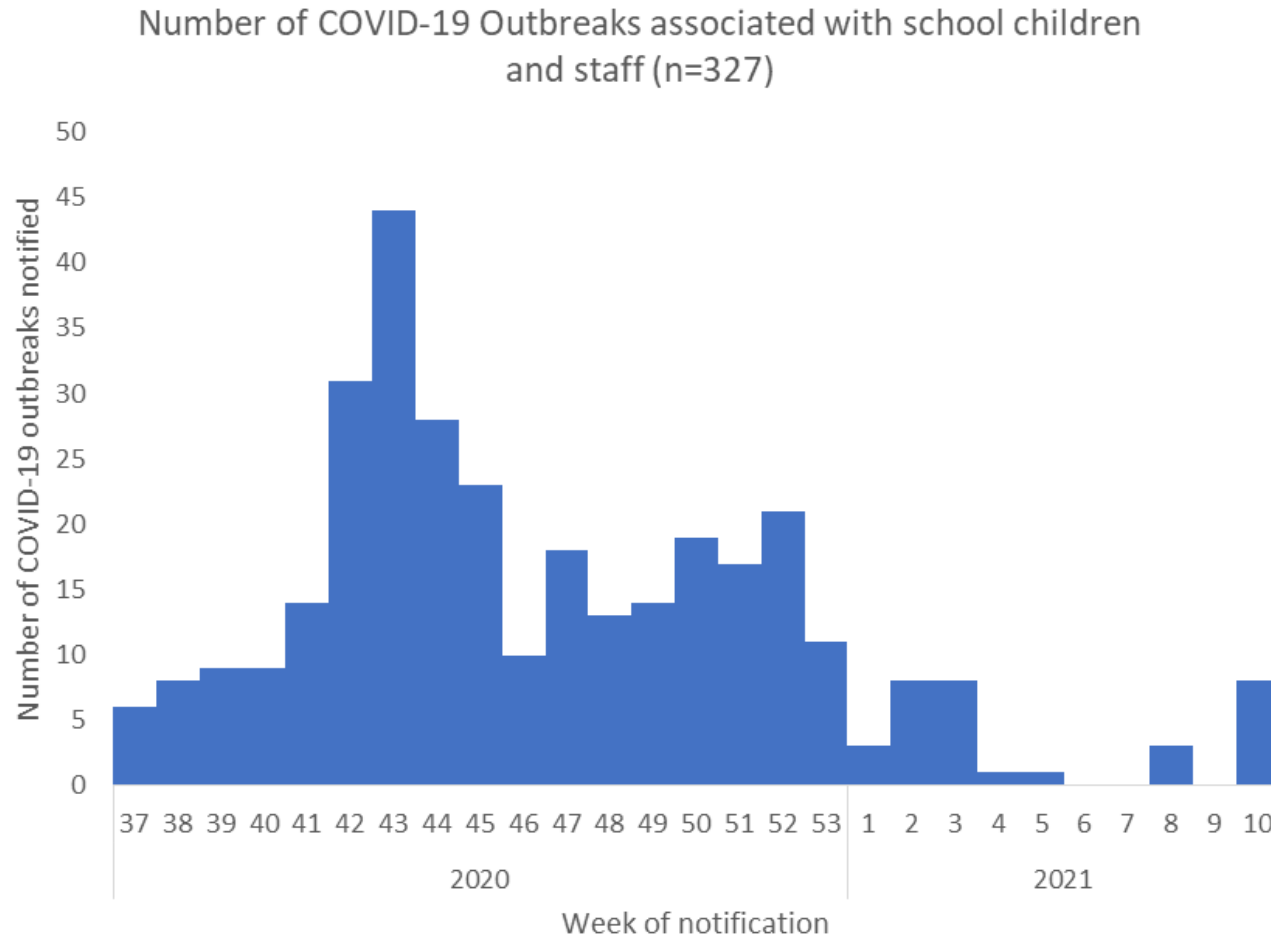
Update

- Twelve new outbreaks (5 late notifications) in week 10 2021
- 48 confirmed cases linked to these outbreaks (range 1-16)
- A total of 89 additional cases were linked to 12 previously reported open hospital outbreaks
- 19 outbreaks were closed since last week

Outbreak status	Number of outbreaks	Confirmed linked cases	Number admitted to ICU	Number Died	Number HCWs
All	387	4961	125	597	2199
Open	88	1452	45	209	518

Data source: CIDR March 15th 2021 – data to midnight March 13th 2021

Outbreaks associated with school children and staff to midnight 13th March 2021 (n=327)



Overview

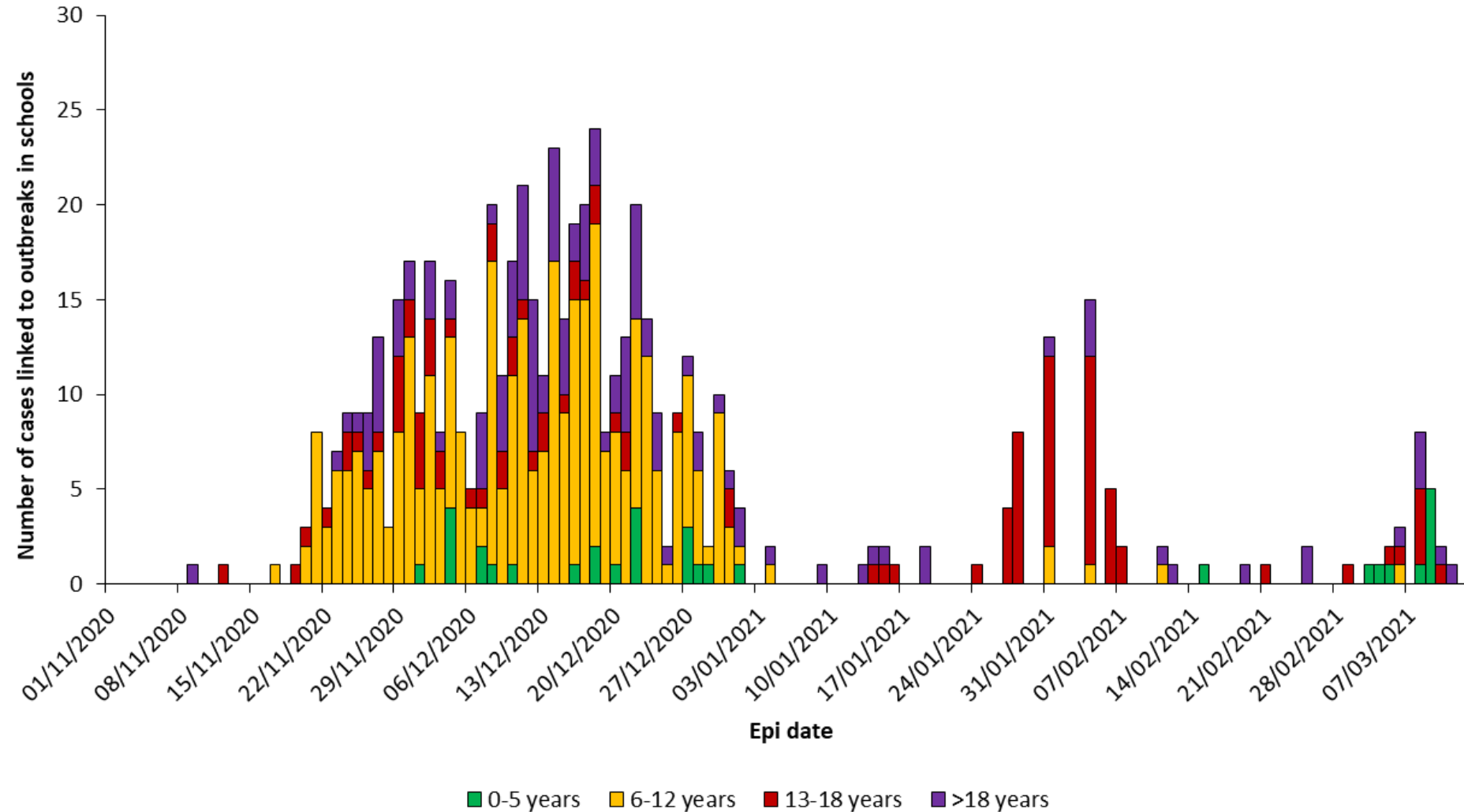
- 327 outbreaks associated with school children and staff notified
- 1,418 linked confirmed cases in total
- 294 outbreaks have ≥ 2 linked cases (range 2-54 cases)
- 306 outbreaks have been closed; 21 remain open

Update

- Eight new school outbreaks were reported since last week
- 21 cases linked to seven of the newly reported outbreaks (range: 1-7 linked cases)
- No additional cases were linked to previously reported outbreaks
- 26 outbreaks were closed since last week

Data source: CIDR March 15th 2021 – data to midnight March 13th 2021

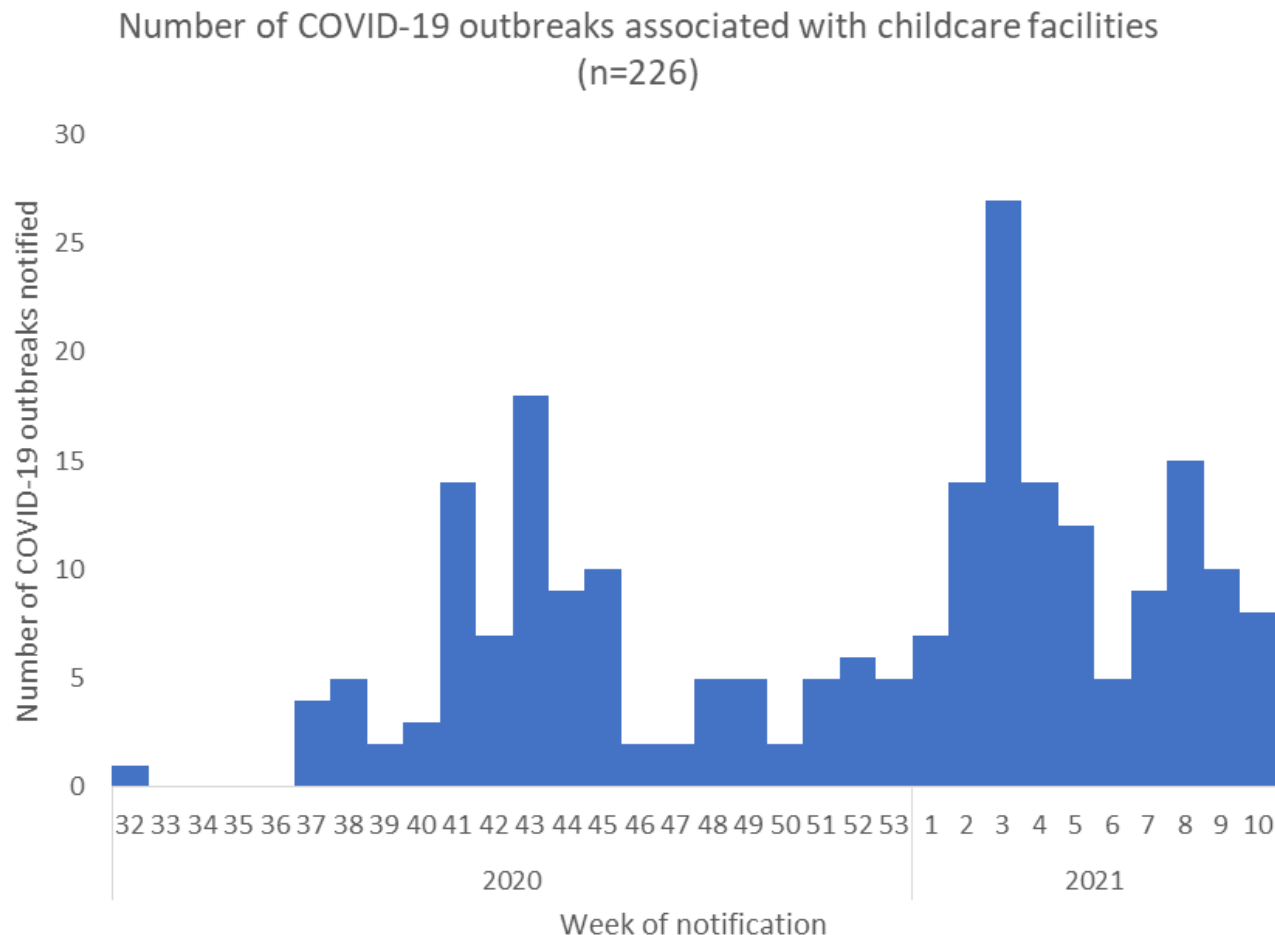
Epidemic curve of cases notified from Nov 22nd 2020 – Mar 13th 2021 and linked to outbreaks* associated with school children and staff (n=587) by age group and epi date



*May include cases notified up to midnight 13/03/2021 but linked to outbreaks notified after 13/03/2021.

Data source: CIDR March 15th 2021 – data to midnight March 13th 2021

Outbreaks associated with childcare facilities to midnight 13th March 2021 (n=226)



Overview

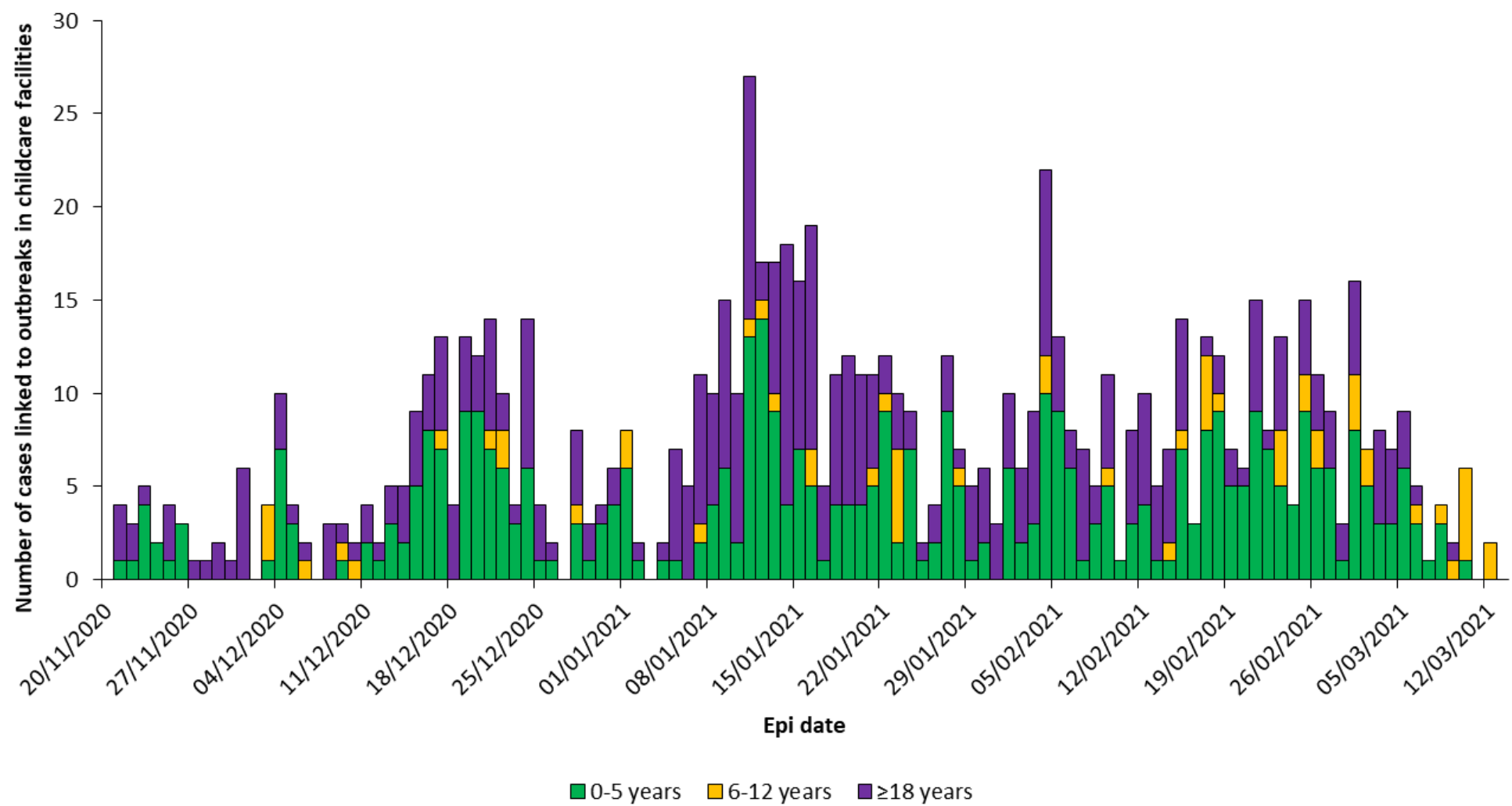
- 226 outbreaks associated with children and staff in childcare facilities notified
- 1,225 linked events in total
- 215 outbreaks have ≥ 2 linked confirmed cases (range 2-39)
- 173 outbreaks have been closed; 53 remain open

Update

- Eight new outbreaks reported since last week
- 29 confirmed cases linked to seven of these outbreaks (range 1-8)
- 43 additional cases were linked to 10 previously reported childcare facility outbreaks
- 30 outbreaks were closed since last week and one previously reported childcare facility outbreak was de-notified

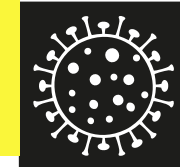
Data source: CIDR March 15th 2021 – data to midnight March 13th 2021

Epidemic curve of cases notified from Nov 22nd 2020 – Mar 13th 2021 and linked to outbreaks associated with childcare facilities (n=833) by age group and epi date



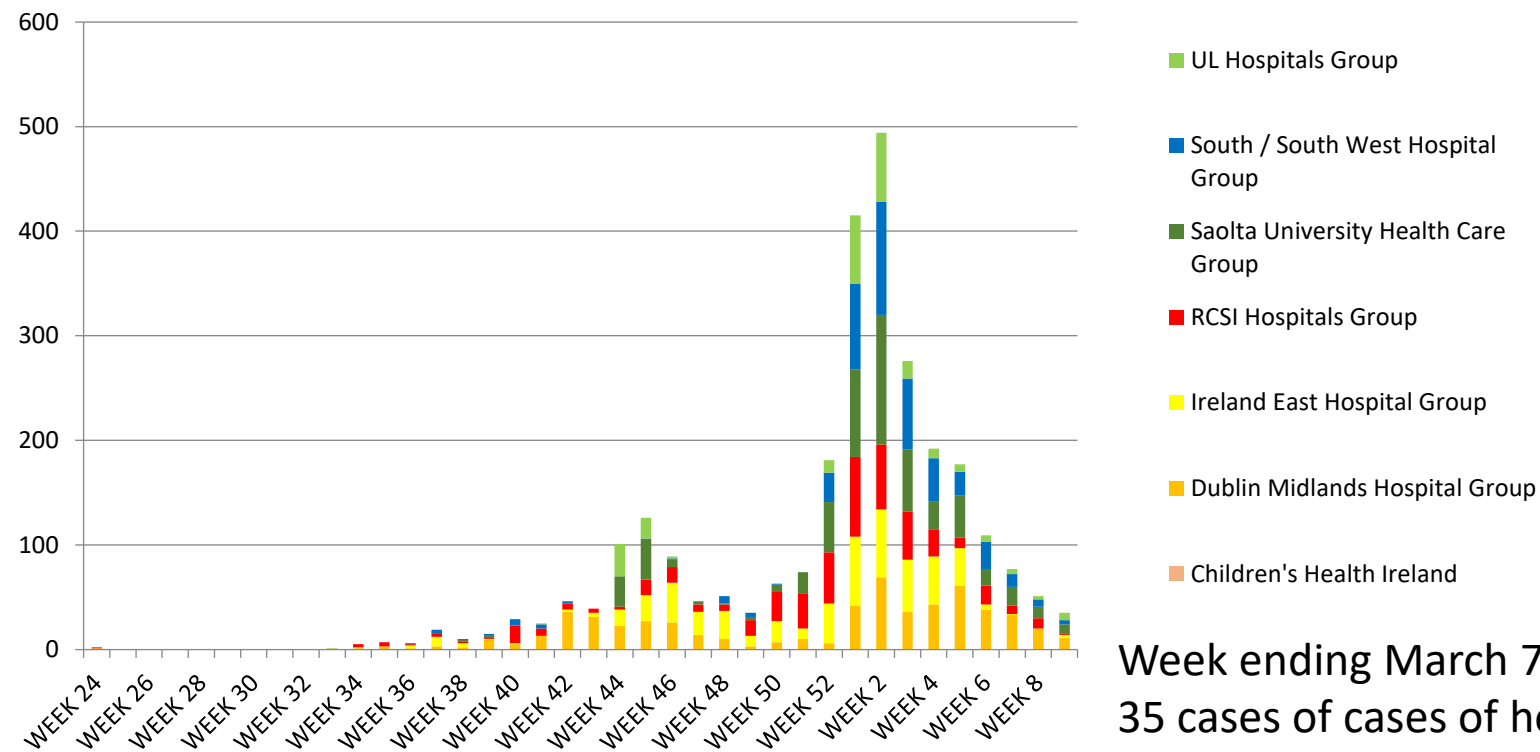
*May include cases notified up to midnight 13/03/2021 but linked to outbreaks notified after 13/03/2021.

Data source: CIDR March 15th 2021 – data to midnight March 13th 2021

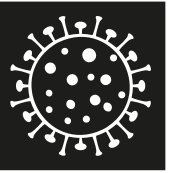


Acute Hospital

Weekly no. of Hospital-Acquired Covid-19 National Totals
21st June 2020-7th March 2021

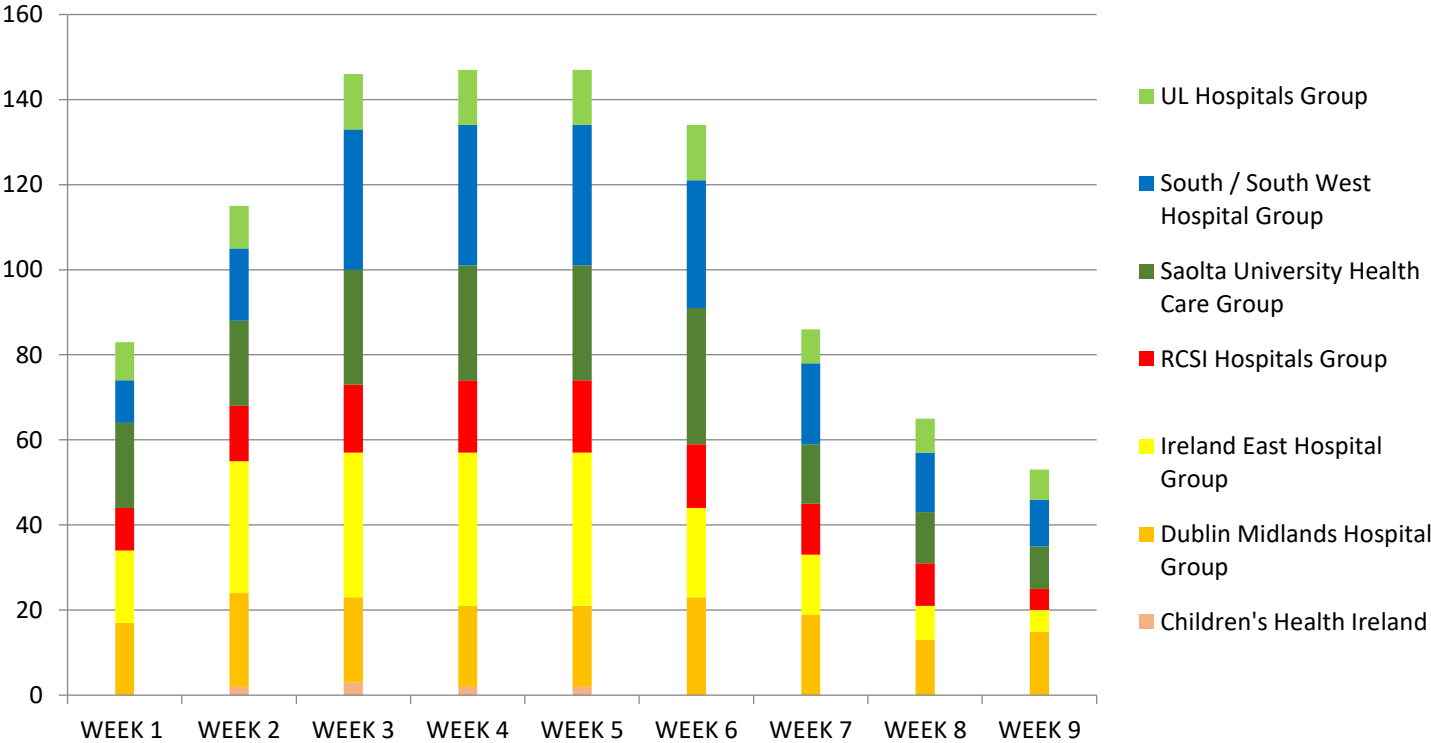


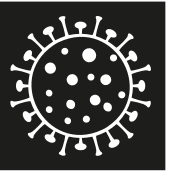
Week ending March 7
35 cases of cases of hospital acquired
COVID-19



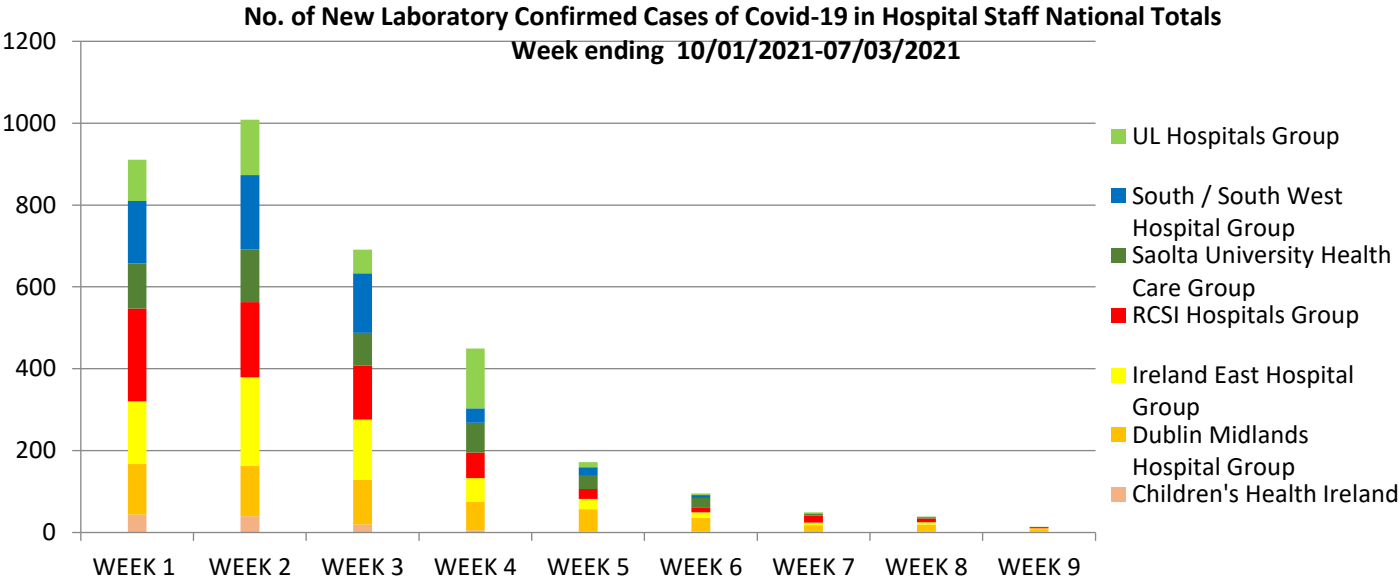
Acute Hospital

No. of Currently Open Outbreaks of Covid-19 National Totals
Week ending 10/01/2021-07/03/2021

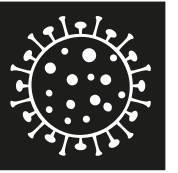




Acute Hospital

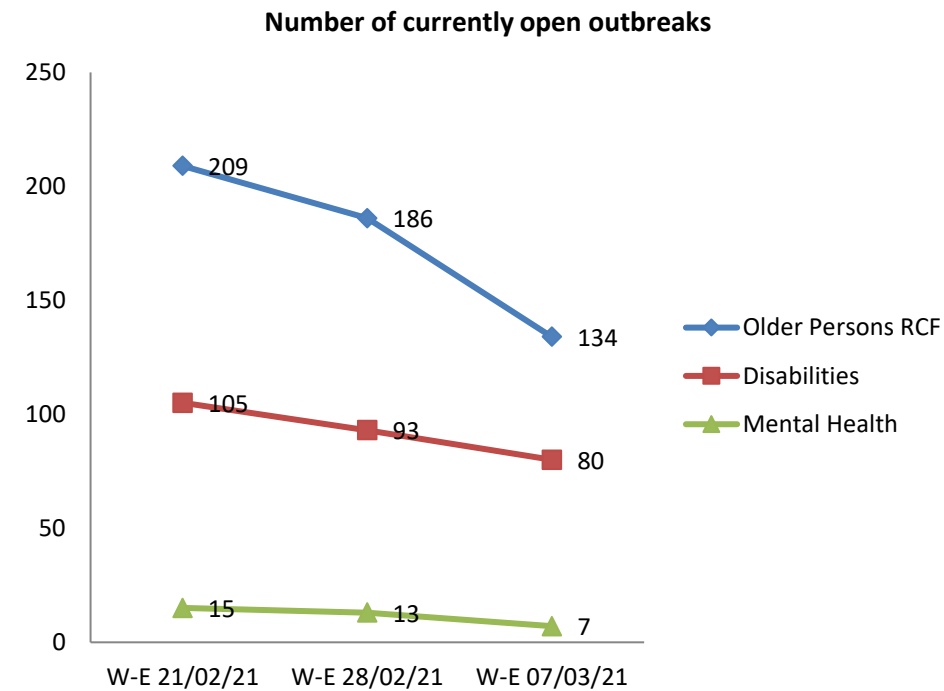


Week ending March 7
14 cases in acute hospital staff



Community Operations

Number of currently open outbreaks in Residential Care Facilities





Test & Trace Update

Testing/sampling and contact tracing NPHET update



Sampling

Over the seven-day period, 9th -15th March, there has been approximately 101.930 swabs taken for COVID-19 testing. Demand for testing in the community increased by 9.2%, the first time there has been an increase in 5 weeks.

Of these:

- 36,835 (36%) of these were taken in the community
- 43,023 (42%) swabs were taken in acute and private acute settings.
- 22,072 (22%) 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 (9th-15th 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 **1.9 days**.

Overall Swab to laboratory result communicated – Medians: 25 hours in Acute, 26 hours in Serial Testing, 27 hours in Community

Referral to appointment

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

93% 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 6.1 hours and 3.8 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 (7th to 13th March 2021);

- 551 tests were completed in 35 childcare facilities resulting in a **11.3% positivity rate**.
- 121 tests were completed in 6 Special Education facilities resulting in a **2.5% detection rate**
- 1,216 tests were completed in 65 primary schools resulting in in a **2.8% positivity rate**.
- 505 tests were completed in 37 post-primary facilities resulting in a **1.4% positivity rate**.

CMP close contact update (8th-14th March)



- The number of close contacts reported during the week ending 14th March was 7,798, a 2% increase from the previous week
- In total, 7,722 (99%) of the contacts created between 8th and 14th 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 2.2, an increase from 2.1 the previous week

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



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

- Of the close contacts created between 1st-7th March, 84% of those who were referred for a Test 1 appointment attended for testing.
- Results were available at the time of report preparation for 4,871 close contacts, 21.6% (1,051) of whom were positive.
- Household close contact positivity rate at 34%

SARS-CoV2 Test 1* 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>	2122	721	34.0%
<i>Social</i>	769	116	15.1%
<i>Workplace</i>	206	17	8.3%
<i>Childcare Facilities</i>	283	26	9.2%
<i>Primary School***</i>	414	8	1.9%
<i>Special School</i>	25	<5	**
<i>Third Level Education</i>	4	<5	**
<i>Healthcare Setting: Patient*****</i>	37	<5	**
<i>Healthcare Setting: Staff*****</i>	14	<5	**
<i>Sport</i>	24	<5	**
<i>Transport</i>	66	<5	**
<i>Other</i>	64	<5	**
<i>Not Recorded</i>	841	154	18.3%
Total	4871	1051	21.6%

Table 1.5 –Test 1 Results by Circumstances of Contact –01/03/2021 to 07/03/2021*

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



Close Contact Attendance and Positivity Rates at Test 2 – 22nd-28th Feb

- Of the close contacts created between 22nd -28th Feb, 2,956 (80%) of those who were referred for a Test 2 appointment attended for testing.
- Results were available at the time of report preparation for 2,770 close contacts, 5.4% (150) of whom were positive.
- Household close contact positivity rate at 7.9%

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

SARS-CoV2 Test 2* Results by Circumstances – Contacts Created 22/02/2021 to 28/02/2021

<i>Circumstances of Contact</i>	<i>Number of Results Reported</i>	<i>Positive Results</i>	<i>Positivity Rate</i>
<i>Household</i>	1171	93	7.9%
<i>Social</i>	581	20	3.4%
<i>Workplace</i>	224	8	3.6%
<i>Childcare Facilities</i>	64	<5	**
<i>Primary School***</i>	12	<5	**
<i>Special School</i>	33	<5	**
<i>Third Level Education</i>	0	<5	**
<i>Healthcare Setting: Patient****</i>	12	<5	**
<i>Healthcare Setting: Staff****</i>	5	<5	**
<i>Sport</i>	10	<5	**
<i>Transport</i>	23	<5	**
<i>Other</i>	51	<5	**
<i>Not Recorded</i>	584	25	4.3%
Total	2770	150	5.4%

Table 1.8 – Test 2 Results by Circumstances of Contact – 22/02/2021 to 28/02/2021*

Variants update



Variants of Concern (based on NVRL and Eurofins-Biomnis results up to 15th March 2021)

Confirmed cases of P1 (new in the last week): 7 (3)

Confirmed B.1.351 cases (new in the last week): 24 (8)

Variants under Investigation/of Note

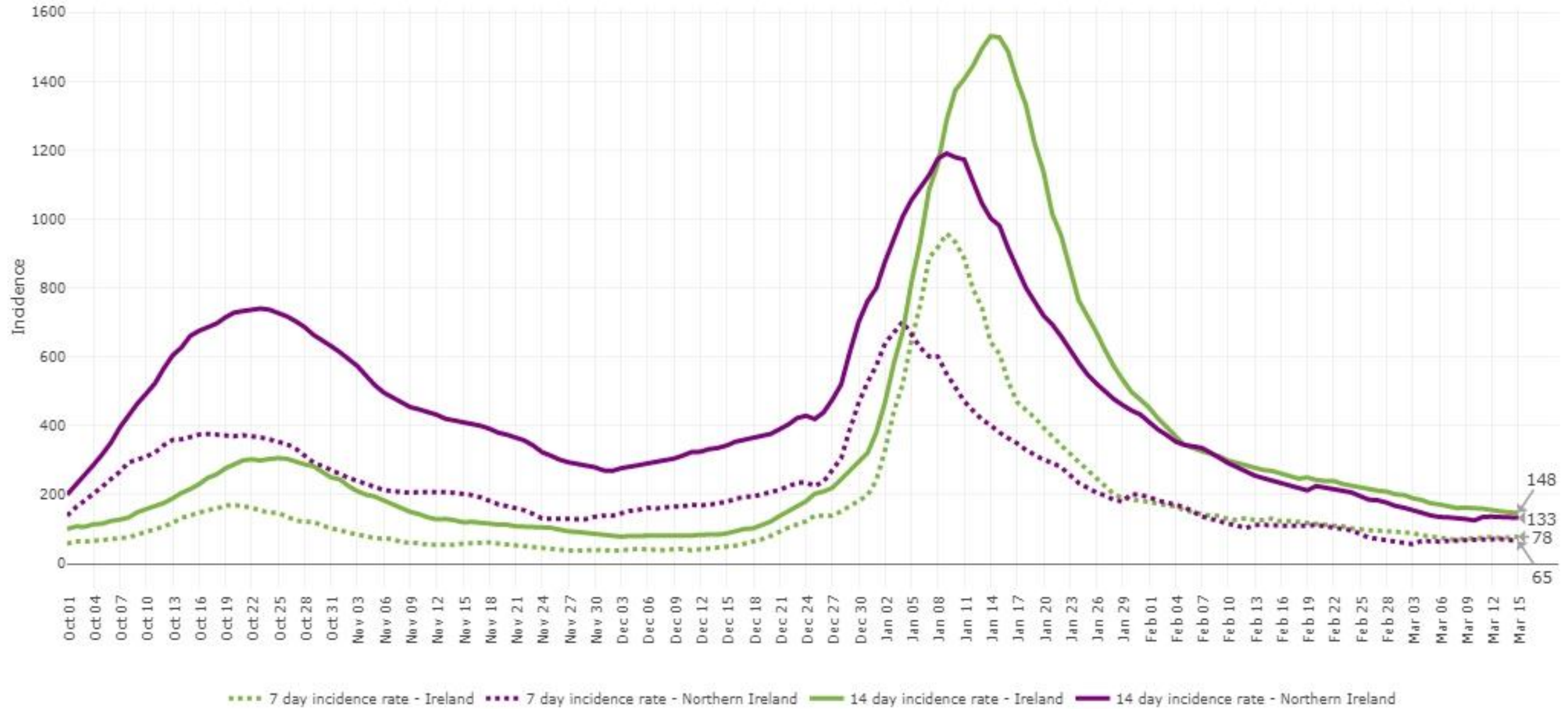
Confirmed B.1.525 cases (new in the last week): 11 (10)

Confirmed B.1.526 cases (new in the last week): 5 (1)

Confirmed P.2 cases: 12 (5)

Source: Office of the NCDHP HSE

7 and 14 day Incidence rates for Ireland and Northern Ireland



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

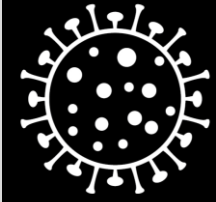
Source: HPSC CIDR Extract 160321 and health-ni.gov.uk daily data 16/03/21.



Growth in Cases & R number

Week-on-week decline in cases

While the rate of decline decreased in weeks 6 and 7 the data are compatible with a constant rate of decline in rates of infection of between 10 and 20% per week, progress has stalled in the last week, with a 3% reduction in cases



Coronavirus
COVID-19
Public Health
Advice

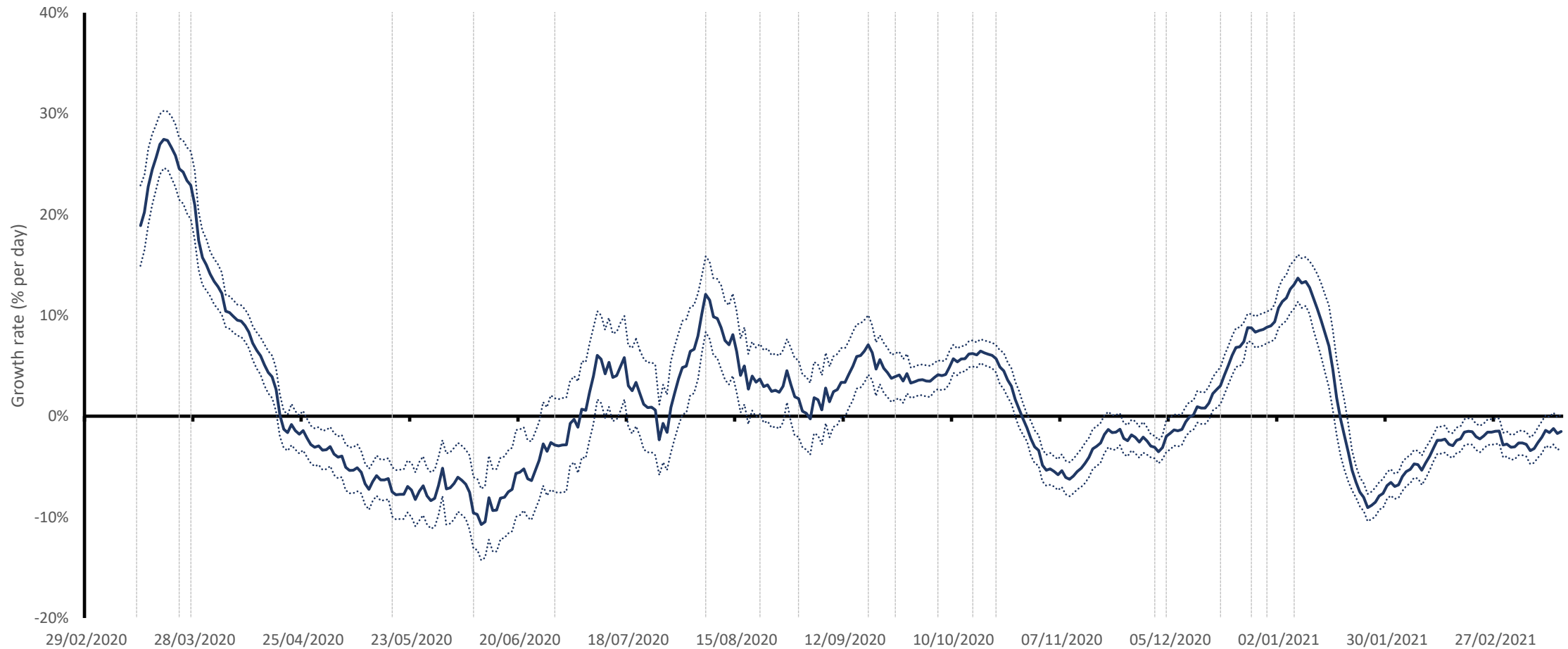
Week	Cases	Week-on week change
2021 - 1	45,621	
2	25,123	-45 %
3	14,815	-41 %
4	8,931	-40 %
5	7,147	-20 %
6	6,031	-16 %
7	5,530	-8 %
8	4,554	-18 %
9	3,632	-20%
10	3,538	-3%



Rialtas na hÉireann
Government of Ireland

Growth rate for case numbers

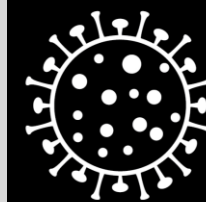
Growth rate peaked at 13% per day over the 21-day period up to 10 January 2021. While case numbers decreased very rapidly in January (-6 to -10% per day) case numbers are now plateaued with growth/decline rate estimated at at 0% to -3% per day.



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 close to 1.0 with high levels of uncertainty in its estimation; it is currently estimated at 0.8 – 1.1



Coronavirus
COVID-19
Public Health
Advice

Method	Estimate	95% confidence interval
SEIR model-inferred	0.86	0.59 – 1.20
Bayesian model	0.85	0.46 – 1.61
Time-dependent R	0.85	0.76 – 0.94
GAM estimate 9 Mar 2021	0.98	0.81 – 1.15
GAM estimate 15 Mar 2021	1.06	0.70 – 1.14

Estimates generated 16 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 18 March 2021



- Incidence has plateaued and remains high
 - Cases (5-day average) 481 cases per day; 14-day incidence 148 per 100,000
 - No clear pattern by age group, greater fluctuations in incidence in those aged under 40
 - Reproduction number (R) is uncertain and estimated at 0.8 – 1.1, rate of decline in case numbers 0 to -3% per day
- Number of cases detected, positivity rates, and numbers of cases associated with outbreaks in schools remain low
- While evidence of protective effect of vaccination in LTRC and HCW the population is not protected and we remain at high risk



European Data

EU/UK ranked by 14 day percentage change (15th March)

EU and the UK	14 day incidence	Previous 14 day incidence	% change in 14 day incidence
Hungary	944.8	456.8	107%
Cyprus	554.9	272.1	104%
Bulgaria	483.1	271.7	78%
Poland	543.7	317.8	71%
Greece	287.9	186.6	54%
Croatia	197.6	130.1	52%
Malta	926.5	614.2	51%
Romania	304.6	212.1	44%
Italy	496.2	345.9	43%
Estonia	1466.8	1040.4	41%
Denmark	162.0	119.0	36%
Austria	384.3	290.2	32%
Finland	167.3	133.6	25%
Germany	154.9	129.7	19%
Netherlands	415.3	355.8	17%
Belgium	324.1	283.1	15%
Sweden	546.8	484.2	13%
Czechia	1516.2	1393.1	9%
France	477.6	446.6	7%
Slovenia	493.3	507.2	-3%
Luxembourg	390.8	408.5	-4%
Slovakia	531.8	561.8	-5%
Latvia	397.7	502.3	-21%
Lithuania	229.4	310.8	-26%
Ireland	142.6	199.9	-29%
United Kingdom	121.6	198.3	-39%
Portugal	93.7	175.5	-47%

- 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 (15th March)

EU and the UK	7 day incidence	Previous 7 day incidence	% change in 7 day incidence
Denmark	100.3	61.7	62%
Hungary	574.3	370.5	55%
Bulgaria	286.3	196.8	45%
Poland	307.7	236.0	30%
Croatia	111.2	86.3	29%
Belgium	179.9	144.2	25%
Netherlands	229.9	185.3	24%
Germany	85.5	69.5	23%
Romania	167.0	137.6	21%
Cyprus	301.3	253.6	19%
Austria	205.2	179.1	15%
Greece	153.5	134.4	14%
Malta	486.7	439.8	11%
Italy	259.7	236.5	10%
France	248.9	228.6	9%
Ireland	74.2	68.4	8%
Finland	86.9	80.5	8%
Lithuania	118.1	111.4	6%
Luxembourg	199.5	191.2	4%
Estonia	746.5	720.3	4%
Sweden	273.0	273.8	0%
United Kingdom	60.2	61.4	-2%
Slovakia	259.6	272.2	-5%
Slovenia	235.8	257.5	-8%
Czechia	720.2	796.0	-10%
Latvia	182.1	215.6	-16%
Portugal	39.8	54.0	-26%

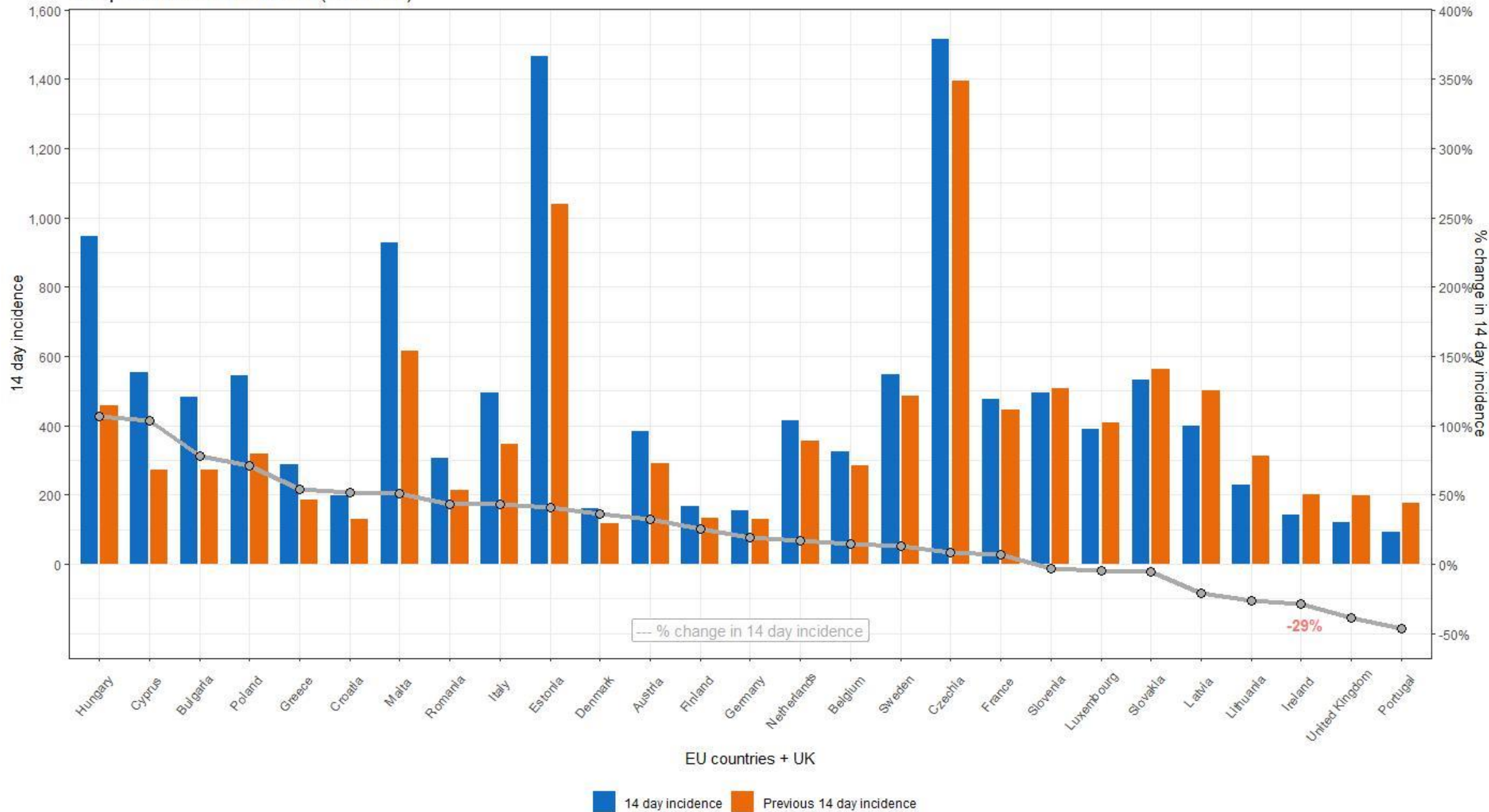
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EU/UK ranked by 14 day incidence (15th March)

EU and the UK	14 day incidence	Previous 14 day incidence	% change in 14 day incidence
Czechia	1516.2	1393.1	9%
Estonia	1466.8	1040.4	41%
Hungary	944.8	456.8	107%
Malta	926.5	614.2	51%
Cyprus	554.9	272.1	104%
Sweden	546.8	484.2	13%
Poland	543.7	317.8	71%
Slovakia	531.8	561.8	-5%
Italy	496.2	345.9	43%
Slovenia	493.3	507.2	-3%
Bulgaria	483.1	271.7	78%
France	477.6	446.6	7%
Netherlands	415.3	355.8	17%
Latvia	397.7	502.3	-21%
Luxembourg	390.8	408.5	-4%
Austria	384.3	290.2	32%
Belgium	324.1	283.1	15%
Romania	304.6	212.1	44%
Greece	287.9	186.6	54%
Lithuania	229.4	310.8	-26%
Croatia	197.6	130.1	52%
Finland	167.3	133.6	25%
Denmark	162.0	119.0	36%
Germany	154.9	129.7	19%
Ireland	142.6	199.9	-29%
United Kingdom	121.6	198.3	-39%
Portugal	93.7	175.5	-47%

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European 14 incidence rates (15 March)



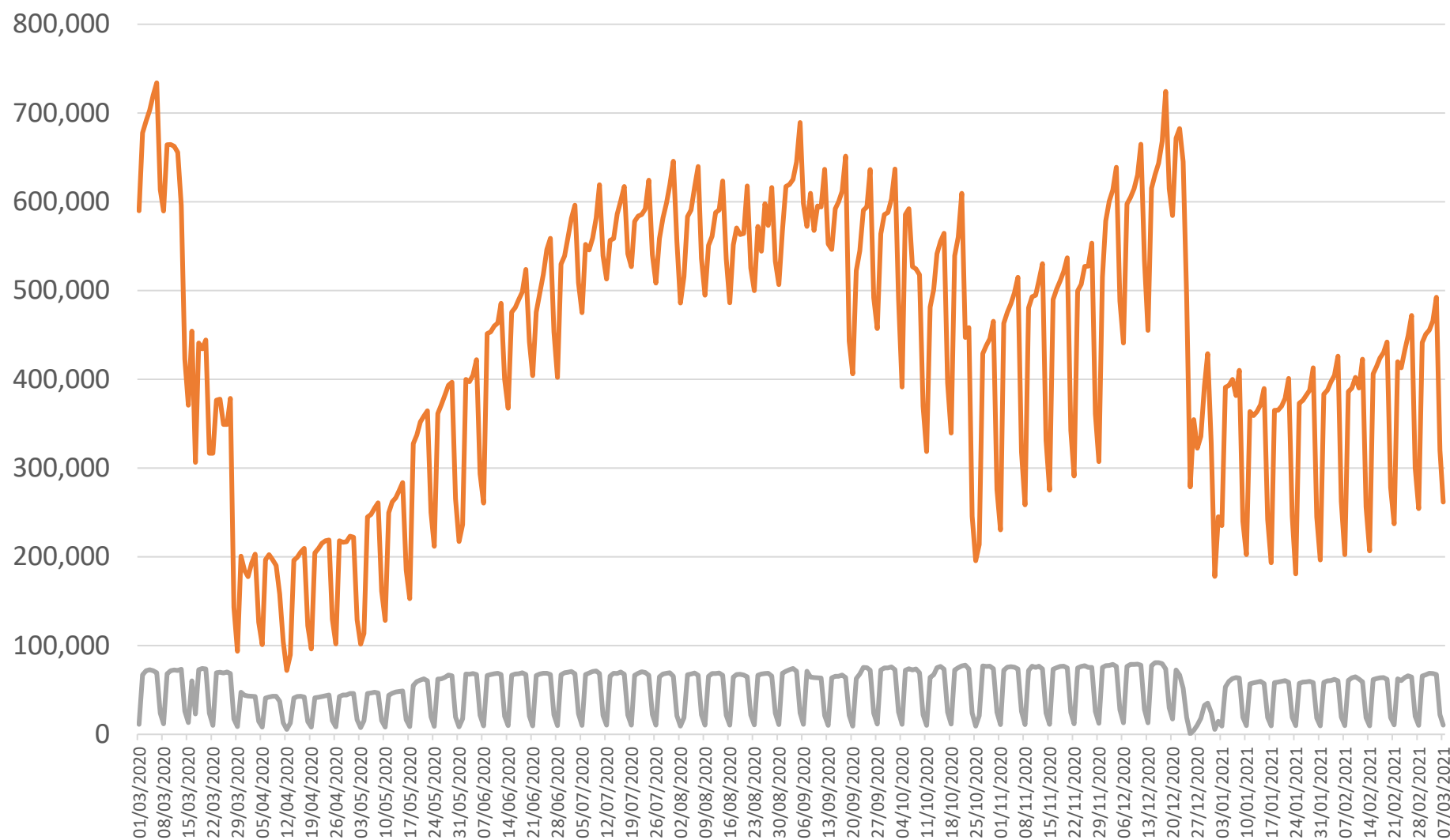
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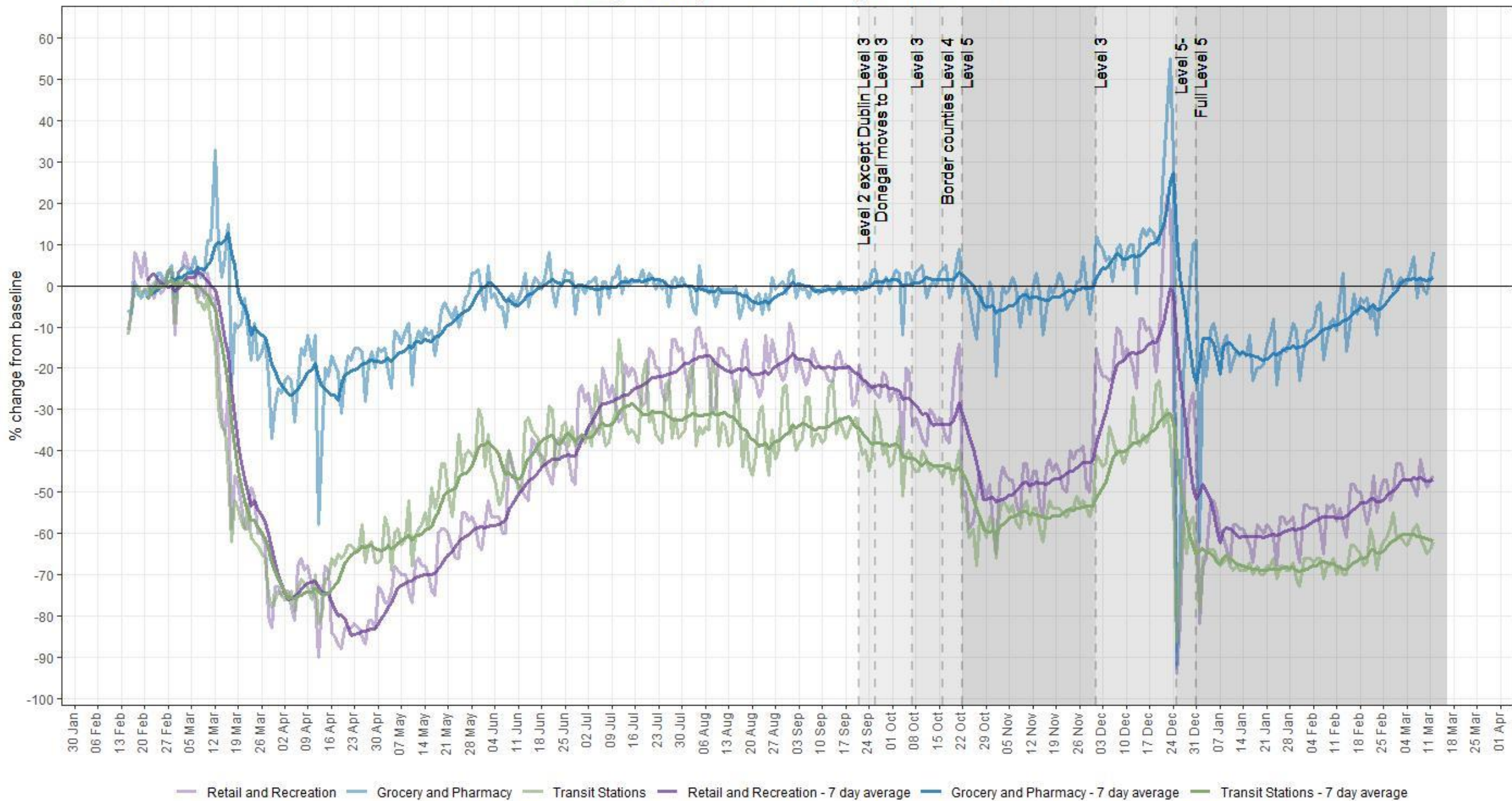
Compliance Data



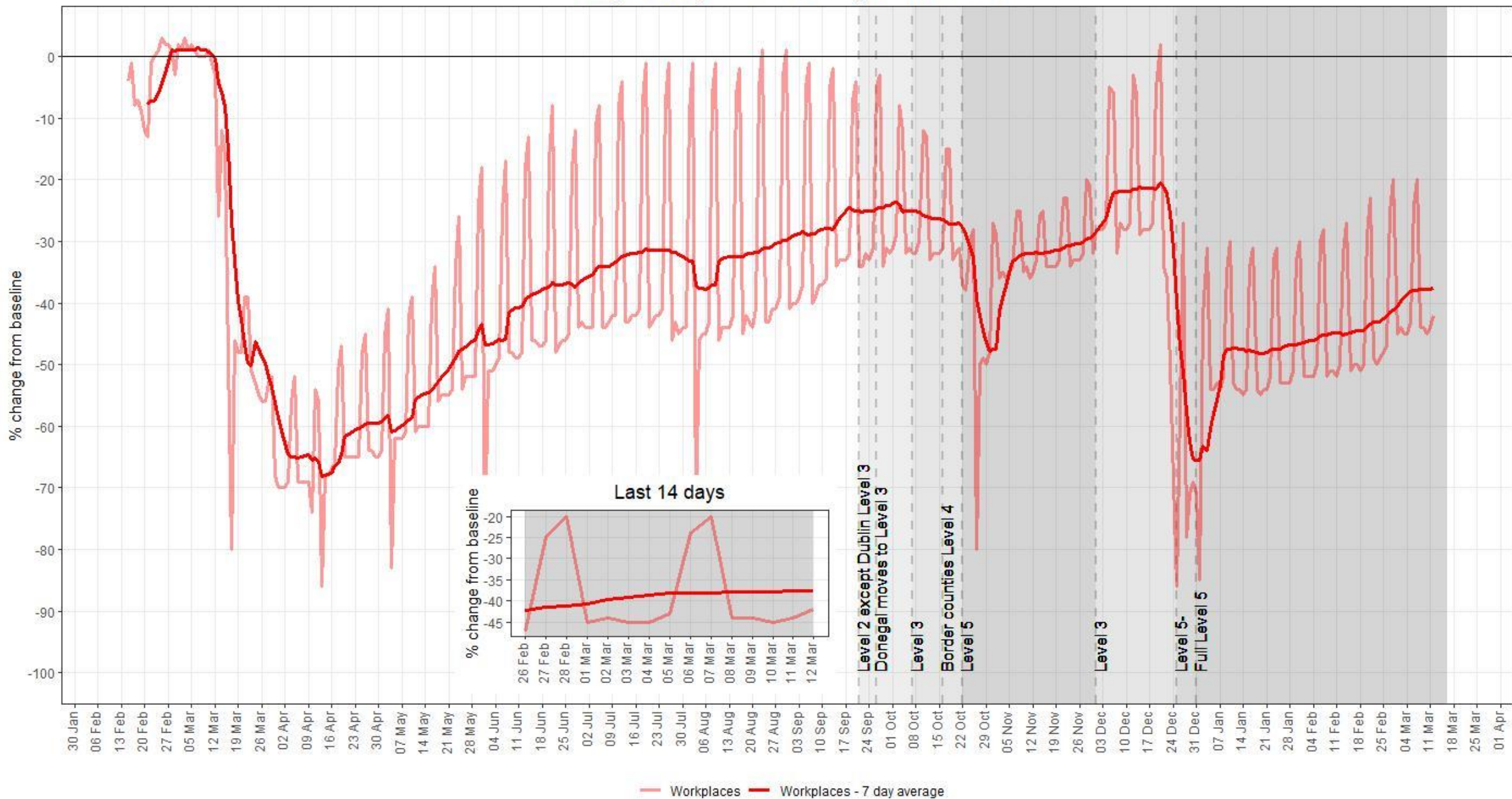
Daily Traffic Flow



Google Mobility Ireland - % change from baseline



Google Mobility Ireland - % change from baseline



Apple Mobility Ireland - % change from baseline

