



An Roinn Sláinte
Department of Health

NPHET COVID Update

15th April 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.)	02-Apr	06-Apr	10-Apr	14-Apr
14-day incidence	96.08	306.20	86.90	320.63	1494.56	166.43	156.93	141.10	132.01
5-day average cases	407.0	919.4	261.0	1477.0	4459.4	531.2	462.6	436.2	387.6
Total weekly cases	2607	7000	1893	9419	35371	3880	3476	2953	2800

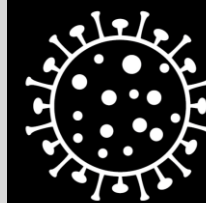
	01-Oct	26-Oct (2 nd wave peak 14 day inc.)	01-Dec	01-Jan	14-Jan (3 rd wave peak 14 day inc.)	02-Apr	06-Apr	10-Apr	14-Apr
No. Hospital (8.A.M)	122	344	224	508	1792	264	261	208	192
No. in ICU (11.30 A.M)	20	40	31	42	172	63	58	53	48

	01-Oct	26-Oct (2 nd wave peak 14 day inc.)	01-Dec	01-Jan	14-Jan (3 rd wave peak 14 day inc.)	02-Apr	06-Apr	10-Apr	14-Apr
Positivity rate (7 day average)	3.0%	6.1%	2.7%	12.5%	17.0%	3.2%	3.0%	2.8%	2.6%

	November	December	January	February	March	April
Total Deaths	187	196	1,394	850	218	29
Deaths associated with Nursing Home outbreaks	55	66	527	319	37	3
Deaths associated with Hospital outbreaks	69	68	223	154	42	6

Cases, numbers in hospital and intensive care

While daily case numbers remain high, the numbers of people in hospital and ICU continue to decrease slowly. Notably, there is a sustained reduction over the last two weeks average number of new admissions to hospital. The number of deaths confirmed per day is high due to late notifications.



Coronavirus
COVID-19
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	Apr 2020	Summer 2020	Oct 2020	Dec 2020	Jan 2021	17 Mar	24 Mar	31 Mar	7 Apr	14 Apr	Daily count 14 Apr
Cases confirmed per day	859 <small>18-04</small>	8.7 <small>25-06</small>	1158 <small>21-10</small>	262 <small>12-12</small>	6520 <small>10-01</small>	520	564	533	499	400	394
14-day incidence <i>per 100,000 population</i>	212 <small>19-04</small>	3.0 <small>04-07</small>	306 <small>26-10</small>	79 <small>09-12</small>	1532 <small>15-01</small>	148	159	161	152	132	
Hospital in-patients	862 <small>17-04</small>	9 <small>02-08</small>	333 <small>01-11</small>	198 <small>16-12</small>	1949 <small>24-01</small>	351	345	313	254	212	192
<i>Hospital admissions per day</i>	85 <small>04-04</small>	<1 <small>10-07</small>	27 <small>26-10</small>	11 <small>13-12</small>	158 <small>15-01</small>	23	24	22	13	13	13
ICU confirmed cases	150 <small>14-04</small>	4 <small>04-08</small>	43 <small>04-11</small>	26 <small>27-12</small>	217 <small>28-01</small>	86	81	68	50	51	49
<i>ICU admissions per day</i>	14 <small>31-03</small>	<1 <small>03-06</small>	4 <small>03-11</small>	1 <small>16-12</small>	20 <small>17-01</small>	3	3	3	2	2	5
Deaths confirmed per day	46 <small>22-04</small>	<1 <small>30-07</small>	7 <small>01-12</small>	4 <small>17-12</small>	57 <small>03-02</small>	10	9	9	6	12	12

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.



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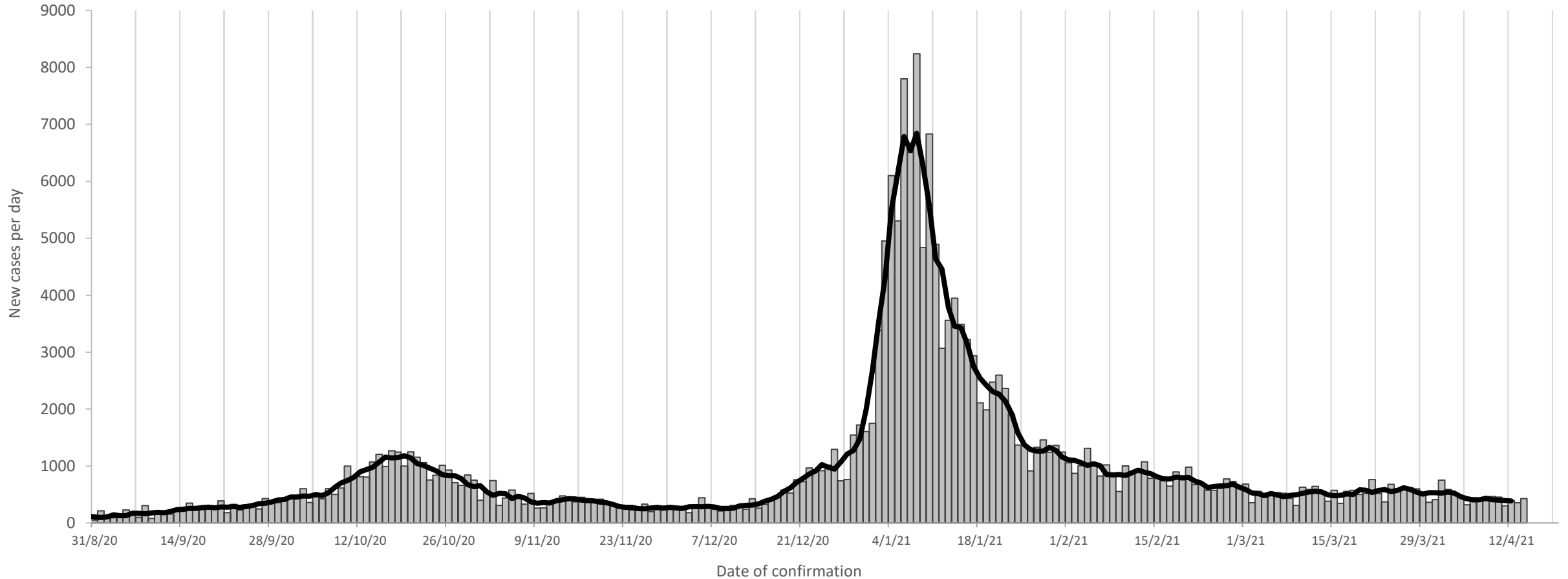
Cases, Incidence Rates & Testing

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 **388**

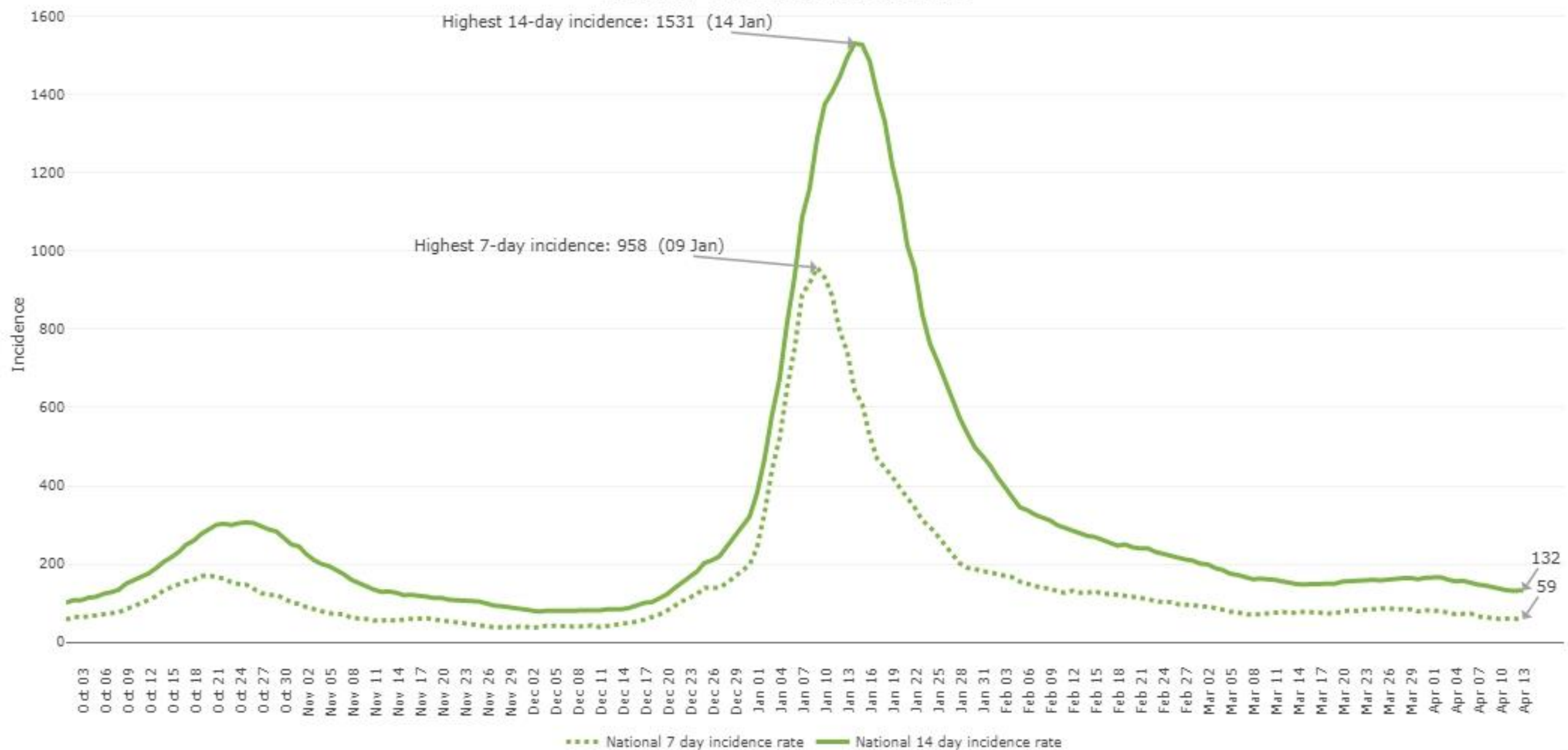


Cases per week	912	1303	1947	2059	3031	4457	7398	7073	4838	3424	2583	2580	1798	2028	1964	3368	6597	15722	45616	25113	14807	8921	7143	6027	5525	4549	3629	3535	3840	3983	3618	2803
----------------	-----	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	-------	-------	-------	-------	------	------	------	------	------	------	------	------	------	------	------



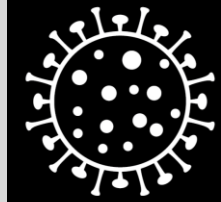
Daily count (bars) 5-day average (line) and weekly counts of the number of laboratory confirmed new cases by date on which they were confirmed by HPSC. Case counts may change due to denotification of cases. Weekly case counts are by notification (event) date and standard epidemiological week.

National 7 and 14 day Incidence rates

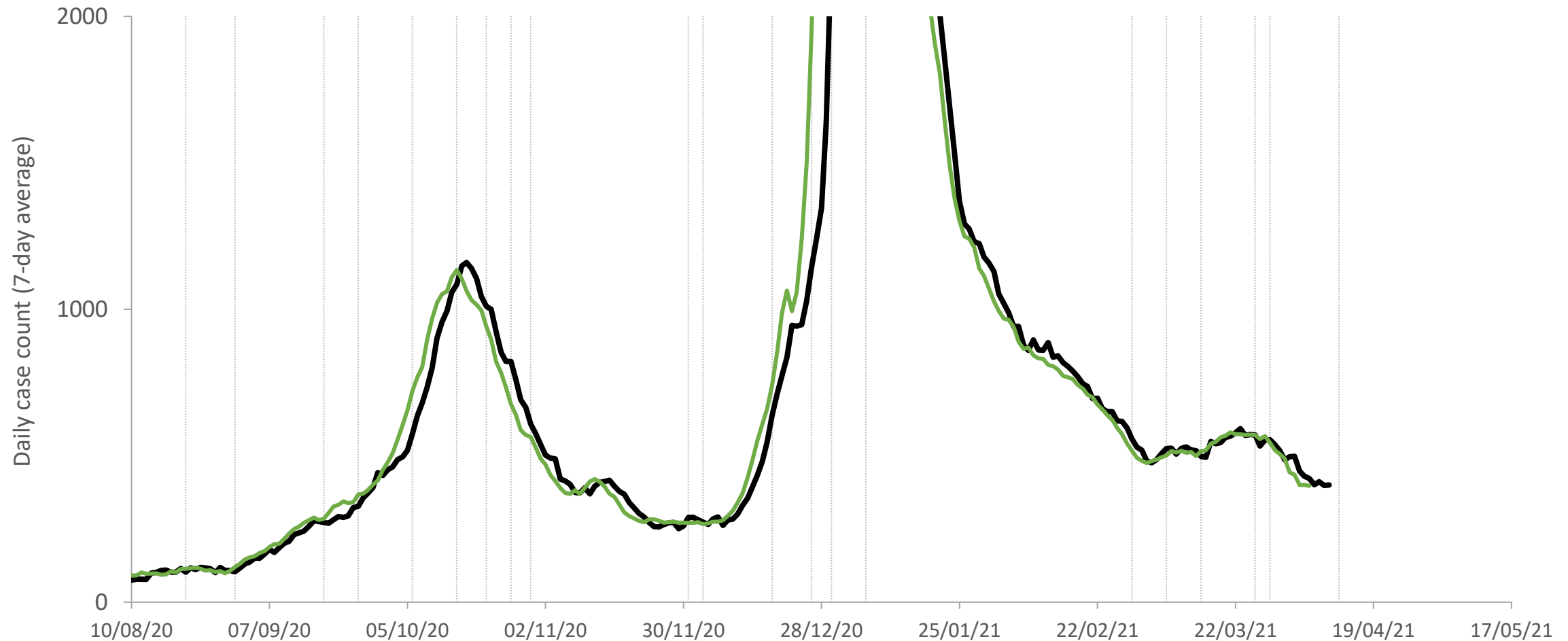


Daily incidence

Daily incidence remains high: approximately 60% higher than in early December, and approximately 40 times what it was in late June 2020. Incidence appears to be decreasing and is now at approximately 400 cases per day.



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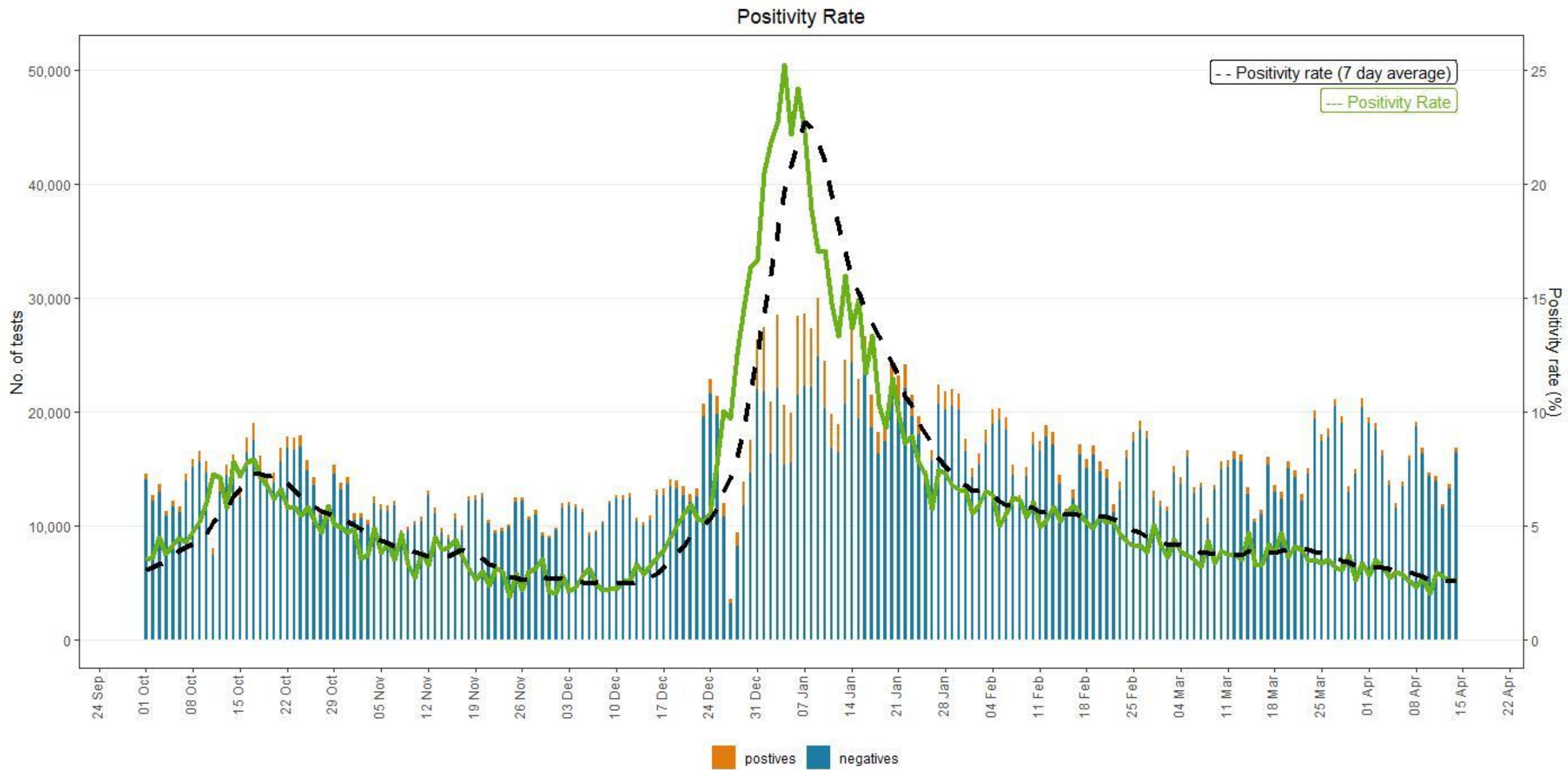


Daily cases by notification (event) date (black, the date the case was entered on the CIDR database) and specimen collection date (green). The vertical dashed lines indicate the dates of escalation and de-escalation of public health restrictions. Data are 7-day moving averages.



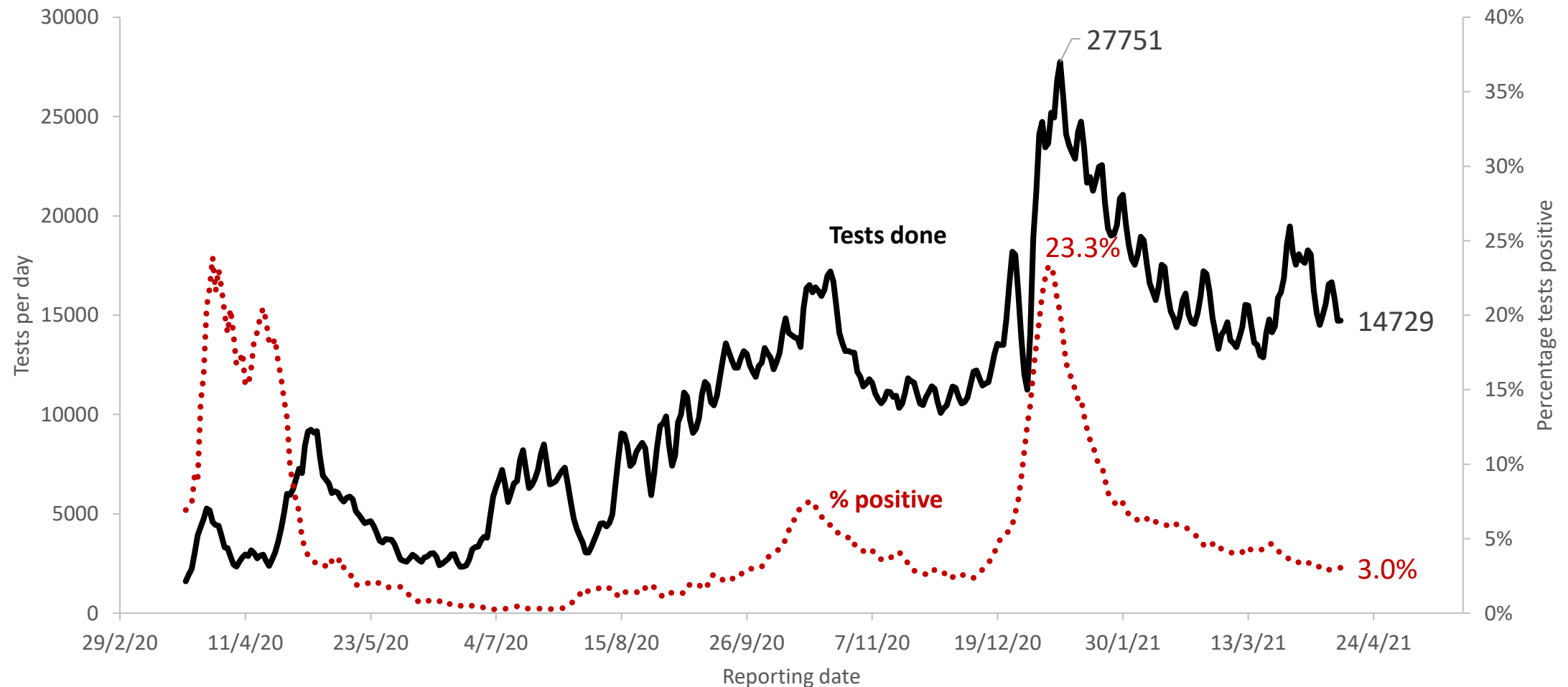
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Recent trend in positivity rate



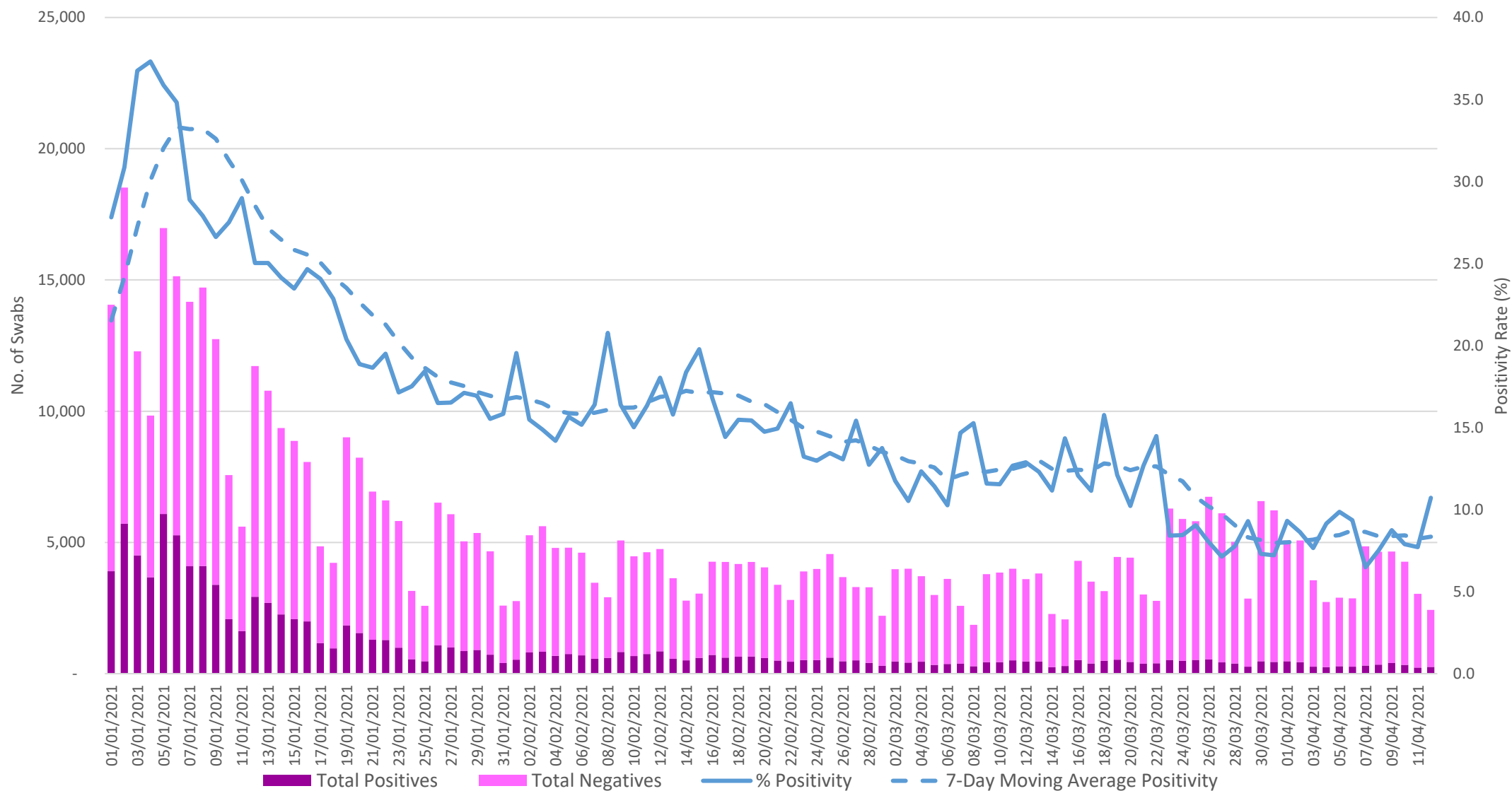
Testing and test positive rate

Positivity rate has fallen significantly since the January peak: overall positivity rate peaked at 23% on 7 January. Positivity was plateaued at $\approx 4\%$ through early March; a marked increase in demand for testing, especially in children, was sufficient to depress overall positivity rate to closer to 3%.



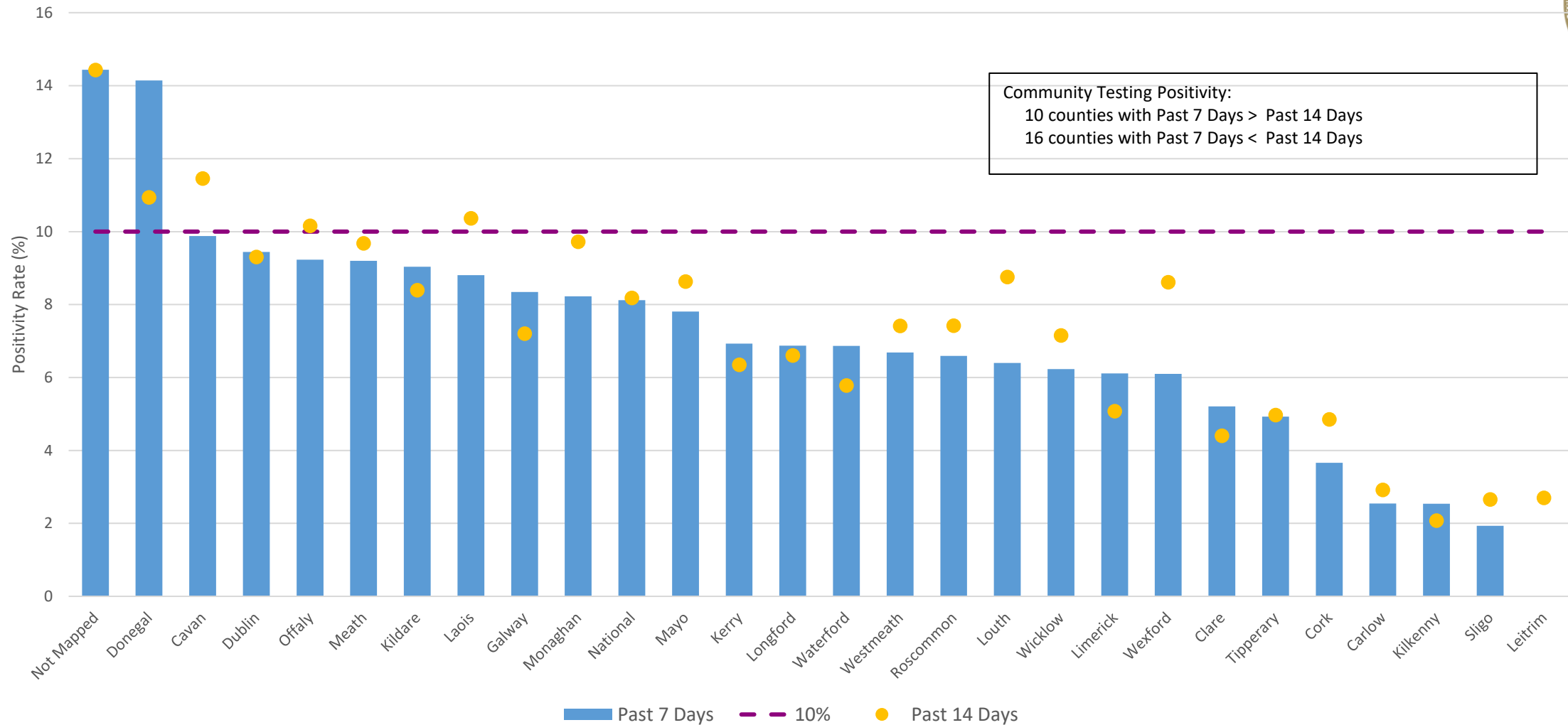
Data 5-day rolling averages, tests outsourced to German laboratory in April backdated using specimen collection date. The aggregate positivity rate should be interpreted with caution, as it includes community referrals, close contacts, mass and serial testing, and hospital testing, and changes in numbers of tests done in these different settings will alter the overall positivity rate.

Community Testing (Swabs taken in Community Test Centres for GP and CMP referrals inc. symptomatic and close contacts but ex. serial, mass testing and walk-in): Total tests and % Positivity



Community Testing: % Positivity Rate Past 7 Days and Past 14 Days by County as at 13/04/21

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

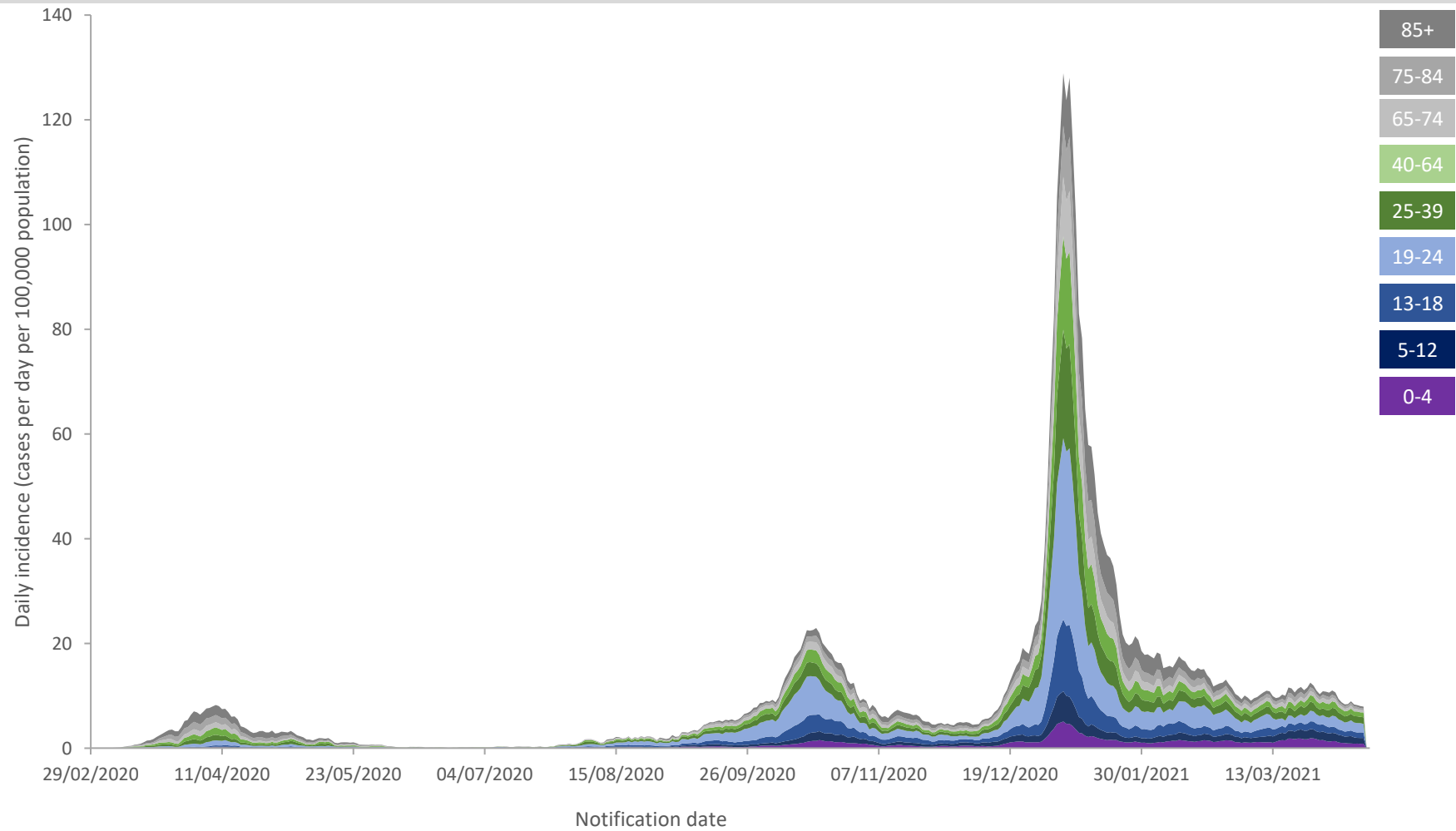


Location is based on location of Community Test Centre or Acute Hospital and not on patient's address

Updated 14/04/2021. Source: CRM data, HSE Contact and Tracing Team. Refers to positive lab results excluding private testing.

Community=Swabs taken in Community Test Centres for GP and CMP referrals (symptomatic, close contact etc), excluding serial and mass testing

Incidence across different age groups (excluding HCW and LTRC)

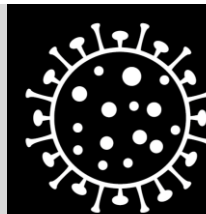


Week	Age band									
	0-4	5-12	13-18	19-24	25-39	40-64	65-74	75-84	85+	
9	0.0	0.0	0.3	0.0	0.1	0.1	0.0	0.0	0.0	
10	0.0	0.2	0.3	0.0	0.2	0.7	0.5	1.0	0.0	
11	0.6	0.2	0.5	5.4	5.0	4.4	4.6	6.6	7.4	
12	4.5	2.4	7.5	22.9	27.7	31.1	25.2	24.9	37.0	
13	6.9	4.2	14.5	58.3	73.3	86.5	72.6	88.5	94.7	
14	4.5	4.4	6.7	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	0.7	1.9	1.6	5.6	3.0	
24	2.7	0.7	1.3	1.5	1.4	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	10.6	2.0	1.0	1.3	1.5	3.0	
29	1.2	0.4	0.8	3.3	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	2.0	3.0	
32	4.5	3.6	6.7	18.4	16.3	10.6	4.6	2.5	3.0	
33	6.0	10.0	12.1	27.8	19.6	12.1	8.3	2.5	7.4	
34	7.2	7.5	17.5	36.8	16.5	11.3	6.2	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	13.5	17.5	47.4	21.8	13.3	11.0	11.2	14.8	
37	17.5	17.3	29.9	63.1	28.3	24.3	22.5	9.2	10.4	
38	21.4	26.4	43.9	91.2	44.2	34.9	32.9	19.8	19.2	
39	12.1	22.6	42.8	146.7	49.9	41.7	32.9	31.0	20.7	
40	29.6	28.8	63.2	167.9	68.0	57.8	34.5	26.0	20.7	
41	42.8	46.7	132.9	316.7	115.2	89.7	61.6	51.9	60.7	
42	78.1	90.8	198.3	433.9	154.5	142.7	90.5	67.2	71.1	
43	81.7	93.9	174.7	302.2	123.4	121.7	85.1	82.4	84.4	
44	55.8	67.6	96.1	155.5	75.3	77.5	55.2	55.5	57.7	
45	34.4	39.7	57.9	84.2	57.9	45.9	42.6	44.3	48.8	
46	42.2	37.2	65.1	89.7	45.2	44.6	32.4	42.7	71.1	
47	22.0	34.1	60.3	79.1	34.6	33.0	28.9	39.7	62.2	
48	23.2	31.3	45.5	66.7	33.8	29.6	22.2	36.1	40.0	
49	28.4	36.8	37.7	40.5	33.2	30.2	25.4	28.5	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	87.8	80.8	54.6	54.5	51.8	
52	77.5	76.9	120.3	325.8	175.6	134.8	95.6	95.7	119.9	
53	218.1	236.7	513.5	1400.9	761.1	635.7	423.6	349.6	361.2	
1	183.7	208.7	569.4	1329.7	790.1	721.2	498.0	447.3	558.1	
2	130.6	127.0	303.0	581.2	414.2	419.1	300.9	409.2	575.8	
3	93.5	80.9	167.9	328.8	253.7	243.8	170.0	251.9	413.0	
4	74.2	60.9	128.4	228.0	154.7	146.3	119.4	161.8	267.9	
5	78.1	72.9	126.8	208.6	126.5	123.3	85.7	116.0	210.2	
6	92.0	85.7	126.2	225.8	118.2	101.8	68.3	90.1	125.8	
7	87.5	76.4	96.6	253.3	106.9	88.4	59.7	78.4	112.5	
8	87.8	70.7	89.3	186.0	94.6	77.1	43.6	52.4	84.4	
9	66.7	57.0	65.4	125.0	75.7	58.1	44.7	45.3	41.4	
10	68.2	68.2	90.4	145.2	79.3	59.0	39.1	39.7	40.0	
11	107.7	90.6	78.0	87.0	85.8	61.8	45.8	55.0	59.2	
12	106.8	102.2	85.6	103.9	93.1	69.5	41.2	42.2	45.9	
13	70.0	86.2	65.1	115.3	81.3	67.5	39.1	34.6	40.0	
14	50.1	65.4	57.9	93.6	66.9	49.1	24.4	22.9	19.2	

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 decreased across all age groups. The very sharp decrease in incidence in those aged 75 and older is likely due, at least in part, to the protective effect of vaccination



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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	79.4	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	28.5	41.4
50	21.4	39.9	44.1	57.4	39.8	35.0	22.2	31.0	22.2
51	51.9	58.5	74.5	128.3	88.0	80.9	54.6	55.0	51.8
52	77.5	76.9	120.3	325.8	175.9	134.7	95.6	94.7	119.9
53	218.1	236.7	513.7	1401.8	760.6	636.0	423.8	350.1	361.2
1	183.7	208.9	569.2	1329.1	790.3	720.7	497.7	446.3	558.1
2	130.6	126.5	301.9	583.0	414.1	419.2	301.2	410.2	575.8
3	93.5	81.3	169.5	326.7	253.7	243.8	169.7	251.9	413.0
4	74.2	60.9	128.1	228.9	154.6	146.3	119.7	161.3	267.9
5	78.1	72.9	126.8	207.7	126.9	123.4	85.4	116.5	210.2
6	92.0	85.5	126.2	225.8	118.0	102.0	68.3	90.6	125.8
7	87.5	76.7	96.9	253.0	107.0	88.3	59.7	78.4	112.5
8	87.5	70.5	89.3	186.0	94.6	77.3	43.6	52.9	85.9
9	67.0	57.0	65.1	125.6	75.9	58.1	44.7	44.8	40.0
10	68.2	68.0	90.2	145.2	79.3	58.8	39.1	39.7	40.0
11	107.7	90.9	78.3	87.0	85.6	62.1	45.8	55.0	59.2
12	107.1	102.1	85.6	104.2	93.1	69.8	41.5	42.2	45.9
13	70.0	86.0	65.1	115.6	81.3	67.2	39.6	34.6	40.0
14	47.7	63.2	56.0	91.2	64.4	48.2	23.6	21.9	17.8

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.

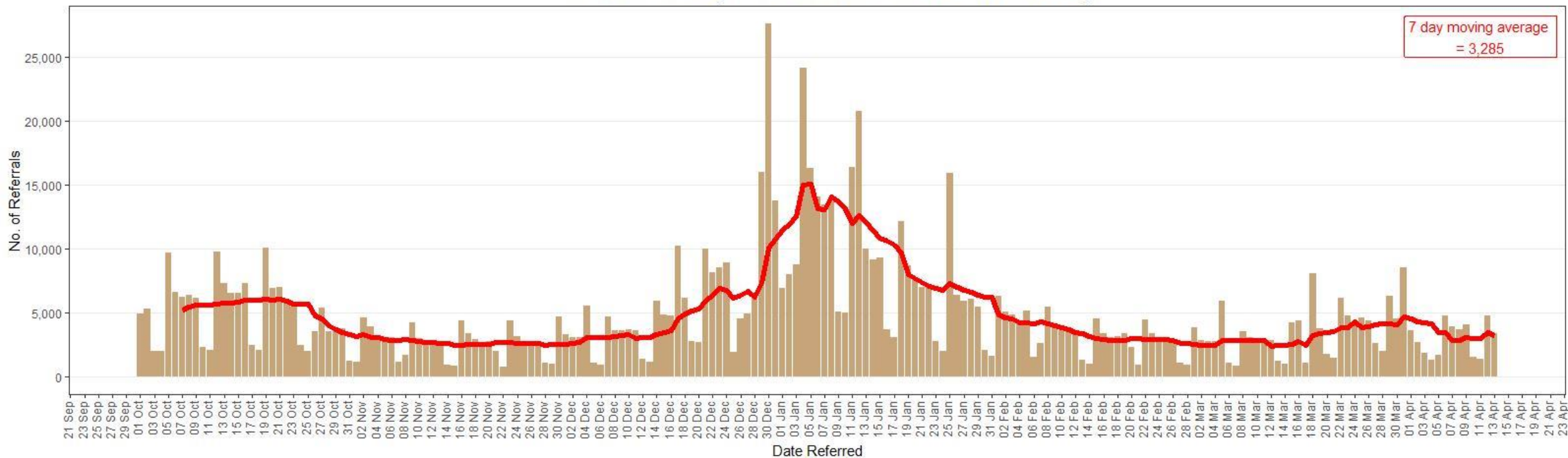


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GP referrals

GP Referrals excluding Close Contacts, Schools, and Walk-In Testing



Mar

	1 3,854 referrals (-14%)	2 2,897 referrals (-16%)	3 2,782 referrals (-7%)	4 2,771 referrals (-3%)	5 5,940 referrals (+103%)	6 1,108 referrals (-2%)
7 911 referrals (-1%)	8 3,592 referrals (-7%)	9 3,073 referrals (+6%)	10 2,876 referrals (+3%)	11 2,721 referrals (-2%)	12 2,890 referrals (-51%)	13 1,228 referrals (+11%)
14 1,069 referrals (+17%)	15 4,254 referrals (+18%)	16 4,434 referrals (+44%)	17 1,122 referrals (-61%)	18 8,075 referrals (+197%)	19 3,817 referrals (+32%)	20 1,772 referrals (+44%)
21 1,511 referrals (+41%)	22 6,165 referrals (+45%)	23 4,831 referrals (+9%)	24 4,376 referrals (+290%)	25 4,680 referrals (-42%)	26 4,439 referrals (+16%)	27 2,610 referrals (+47%)
28 2,010 referrals (+33%)	29 6,317 referrals (+2%)	30 4,566 referrals (-5%)	31 8,563 referrals (+96%)			
Sun	Mon	Tue	Wed	Thu	Fri	Sat

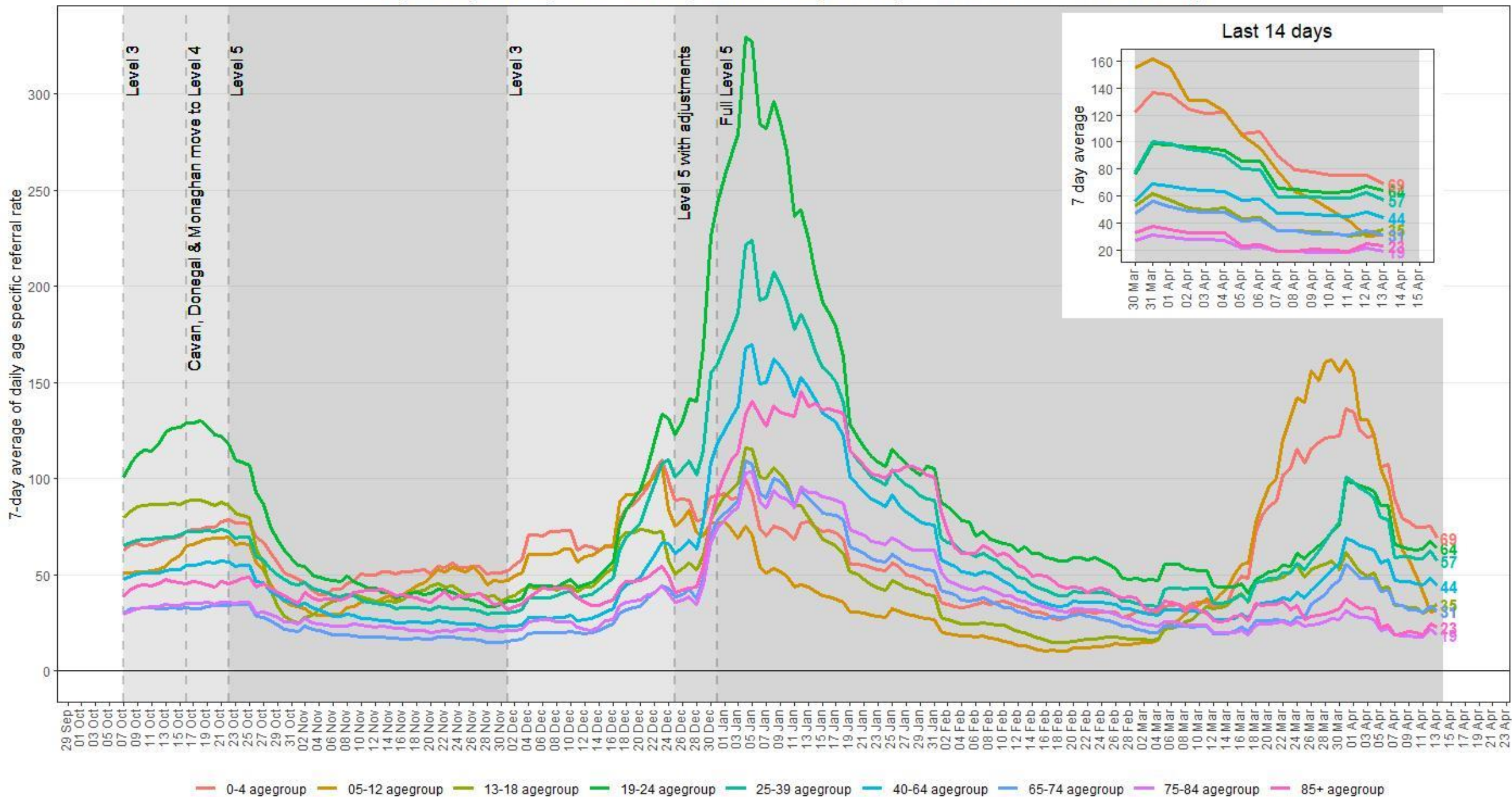
Apr

				1 3,667 referrals (-22%)	2 2,712 referrals (-39%)	3 1,912 referrals (-27%)
4 1,309 referrals (-35%)	5 1,699 referrals (-73%)	6 4,819 referrals (+6%)	7 3,951 referrals (-54%)	8 3,739 referrals (+2%)	9 4,085 referrals (+51%)	10 1,542 referrals (-19%)
11 1,407 referrals (+7%)	12 4,824 referrals (+184%)	13 3,447 referrals (-28%)	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	
Sun	Mon	Tue	Wed	Thu	Fri	Sat

No. of GP Referrals (excl. C.C., Schools, & Walk-Ins)

7500
5000
2500
0

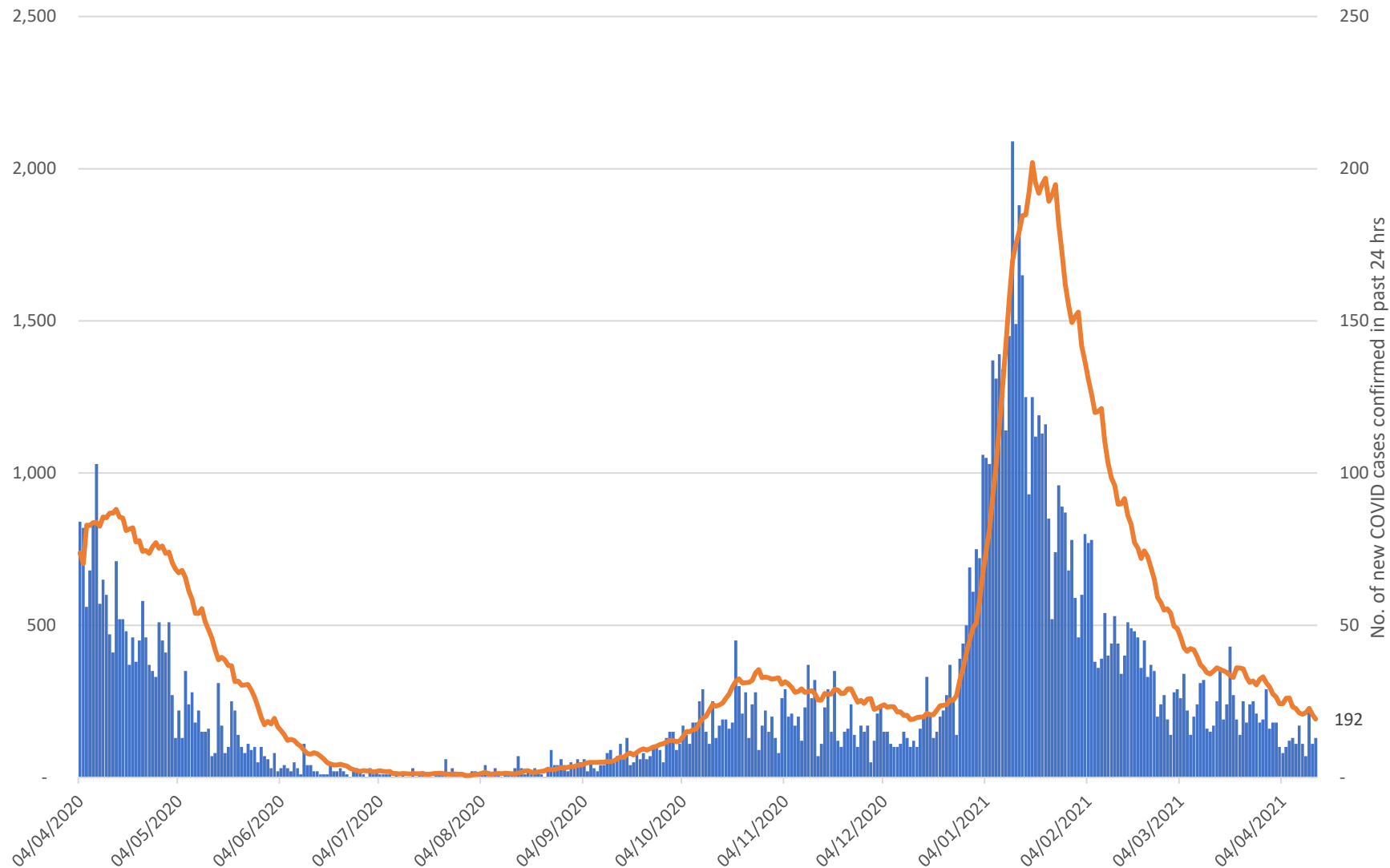
7-day Average of Daily Referral Rate per 100,000 Population (GP Referrals excl. Close Contacts)



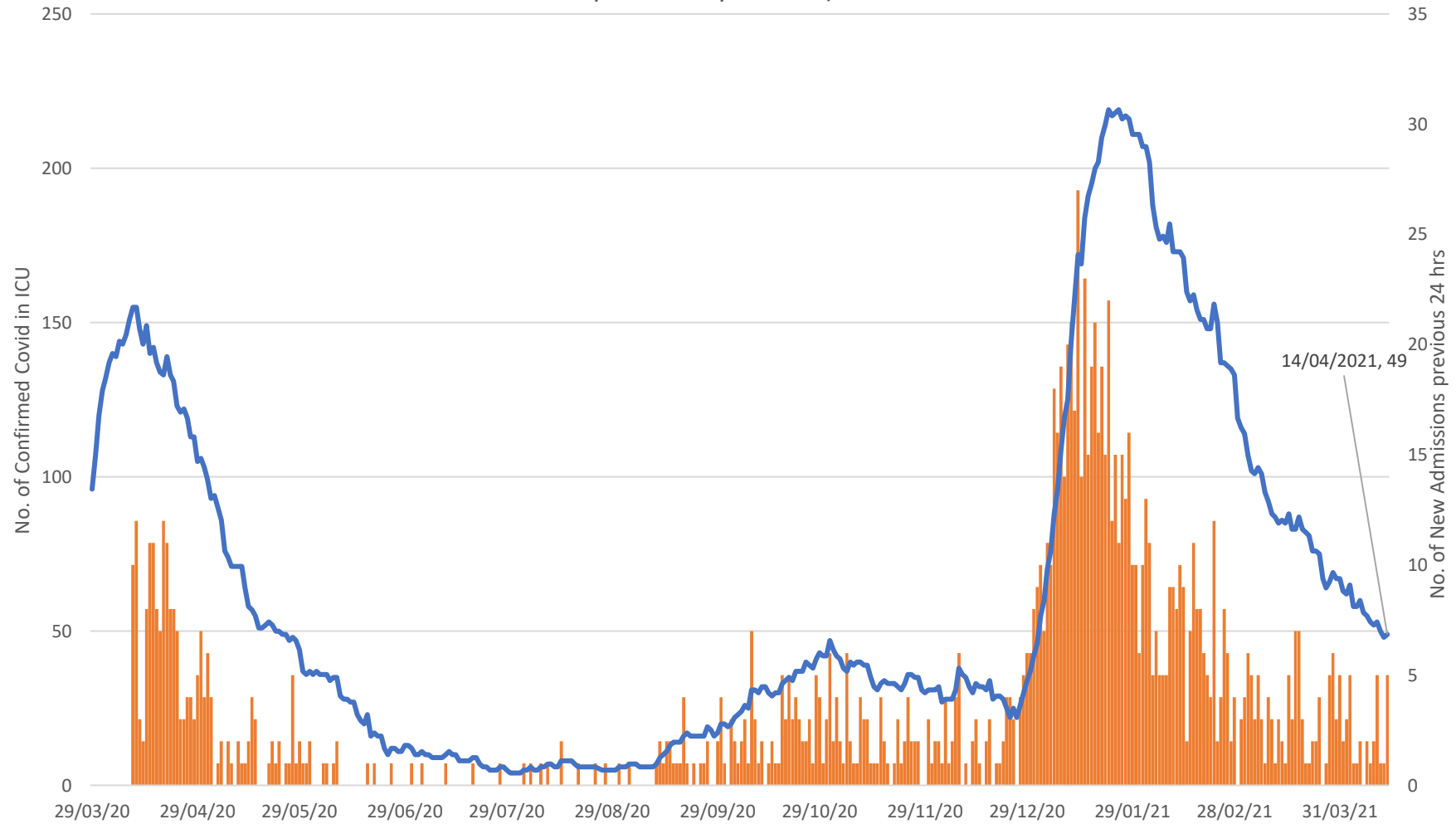


Hospital & ICU Data

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



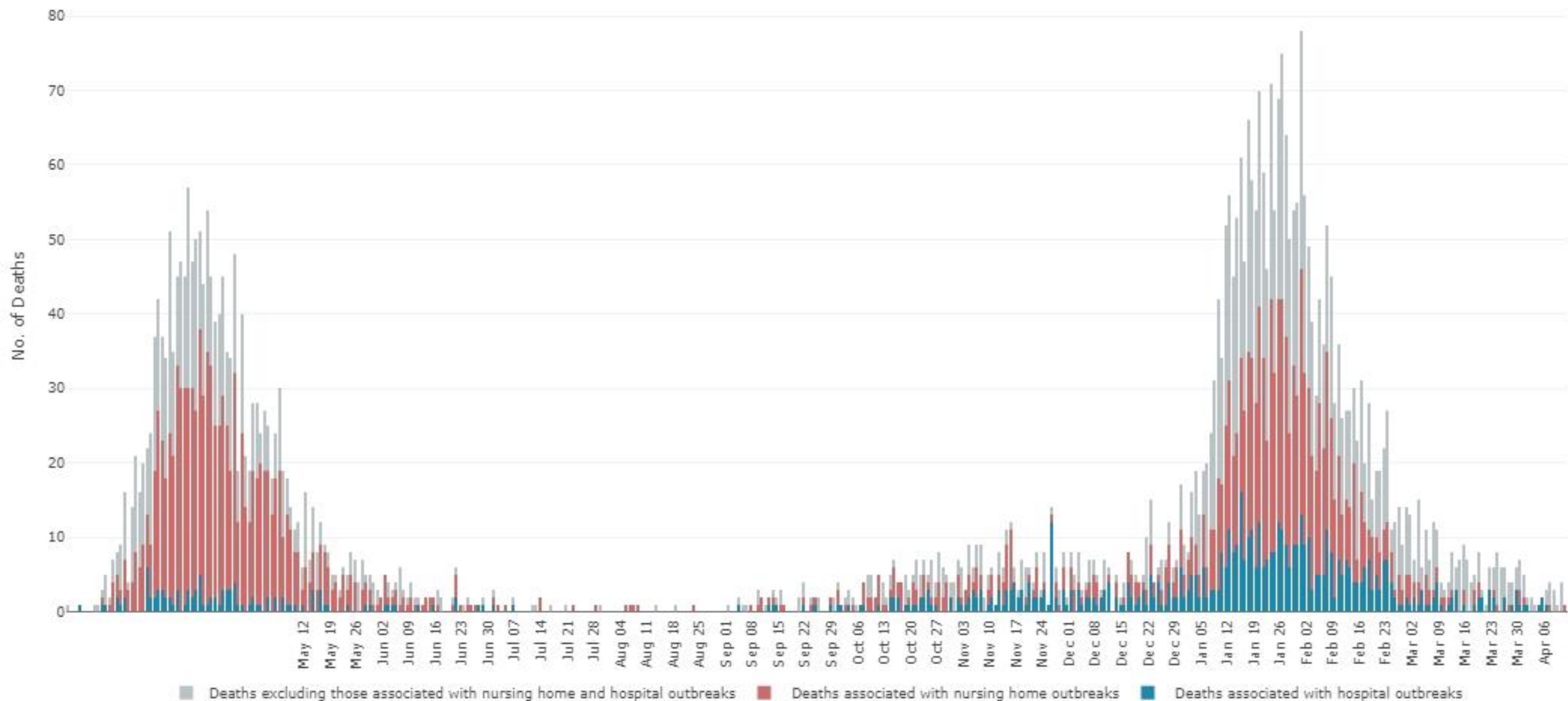
Total No. of Confirmed Covid Cases in ICU at 11.30AM & No. of New Confirmed Covid Admissions to ICU in past 24 hrs *(includes all reporting public & private hospitals and may differ from no. reported by HSE in public hospital ICU)*





Deaths

Deaths by Date of Death since March





Outbreaks & Clusters

COVID-19 outbreaks by key outbreak locations, week 14 2021 and overall, 2020-2021 Ireland



- Since March 1st 2020, 14,974 outbreaks have been notified to CIDR
- In week 14, 2021, 337 outbreaks were notified. 78 of which were late notifications of outbreaks from December (n=19) January (n=43) and February (n=16)

Key outbreak locations	Week 14	Weeks 10-47	Weeks 48-14
Workplace	18	292	380
Direct Provision Centre	0	37	40
Vulnerable groups*	12	101	349
Prisons	0	9	6
Nursing Home/Community Hospital	0	380	255
Acute hospitals	5	178	231
Schools^	14	78	255
Childcare facility	10	200	211

*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 April 13th 2021 – data to midnight April 10th 2021

Weekly Summary



- **Total** number of outbreaks week 14, 2021 n=337 (including 78 late notifications) compared with week 13, 2021 n=385 (included 66 late notifications)
- **Vulnerable groups**
 - Irish Travellers – wave 3 -283 outbreaks, 3876 cases
 - Week 14 – 10 new outbreaks, 42 linked cases
 - 1 new outbreak in Roma population – 3 linked cases
 - 1 new outbreak in homeless populations – 1 linked case
- **Workplace outbreaks**
 - 22 open outbreaks in food industry with 395 linked cases
 - 4 new food industry outbreak since last week's report – 26 linked cases
 - 2 new construction sector outbreaks – 4 linked cases
 - 5 open outbreaks in other key workplaces, 133 linked cases
 - 40 cases linked to an existing outbreak this week – now has 78 linked cases
- **Residential institution outbreaks**
 - 36 outbreaks are 'open' with 266 linked cases (range 0-49)
 - 3 new outbreak since last week's report with 8 linked cases
- **Home care Teams**
 - 20 open outbreaks – 64 linked cases (range 1-11)
 - 4 deaths associated with these outbreaks
 - one new outbreak notified since last report with 2 linked cases
- **Nursing Homes & Community Hospitals**
 - 32/634 outbreaks remain open with 1382 linked cases
 - No new outbreaks , no new linked cases
 - Since November 22nd 2020, 1000 deaths
- **Acute hospitals**
 - 30/409 outbreaks across 20 acute hospitals remain open, 542 linked cases (range 1-155)
 - 5 outbreaks notified last week with 18 linked cases
 - Since November 22nd 2020, 478 deaths have occurred in cases linked to acute hospitals outbreaks
- **Schools**
 - 14 new outbreaks since last week's report, 43 linked cases (range 0-12)
 - 48 cases linked to 20 older outbreaks
- **Childcare facilities**
 - 10 new outbreaks since last week's report with 39 linked cases (range 1-8)
 - 15 cases linked to 11 previously notified outbreaks
- **Third-level students/University/college**
 - 43 open outbreaks with 879 confirmed linked cases
 - Large 'community outbreak' involving students – 70 linked cases
 - one new outbreak in HSE S since last report with 2 linked cases

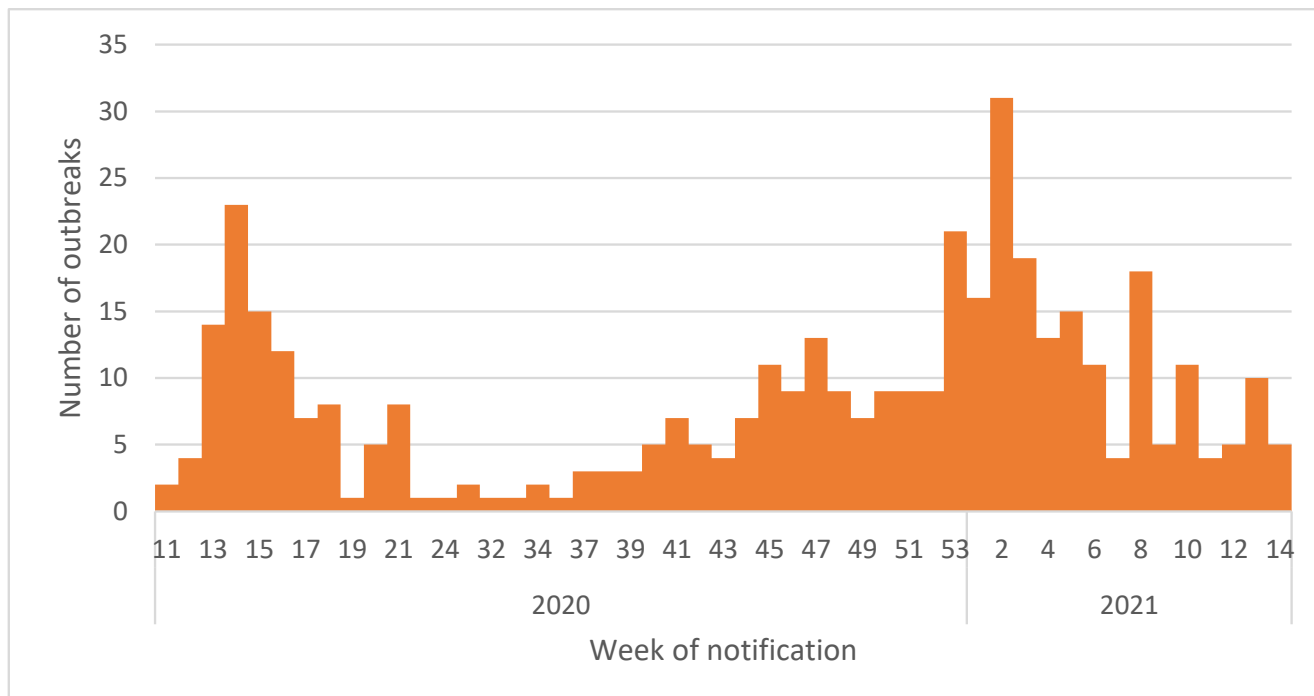
Data source: CIDR April 13th 2021 – data to midnight April 10th 2021

Focus on 32 Nursing Homes and Community Hospital/Long Stay Units notified since November 22nd 2020 and 'OPEN' as of midnight April 10th 2021



- 1,382 associated cases (575 HCW/staff cases, 692 client cases, 115 cases HCW status unknown)
- 2 outbreaks include only HCW/staff cases, 28 include both HCW/staff cases and client cases, no outbreak includes client cases only, for 2 outbreaks the mix of cases is unclear new outbreak since last week's report – 2 linked cases
 - No new outbreaks notified since last week
 - No new cases linked to previously notified 'open' outbreaks
 - 21 outbreaks closed since last weeks report
 - All 32 previously notified 'open' outbreaks– no additional cases since last week's report

Acute Hospital outbreaks March 1st 2020 to midnight April 10th 2021 (n=409)



Overview

- 409 outbreaks in acute hospitals
- 30 ‘open’ acute hospital outbreaks
- 542 confirmed cases linked to the open outbreaks (range 1-155)
- The 30 open outbreaks correspond to outbreaks in 20 Acute Hospitals

Update

- Five new outbreaks in week 14 2021
- 18 confirmed cases linked to these outbreaks (range 1-8)
- A total of 15 additional cases were linked to 7 previously reported open hospital outbreaks
- Eleven outbreaks were closed since last week

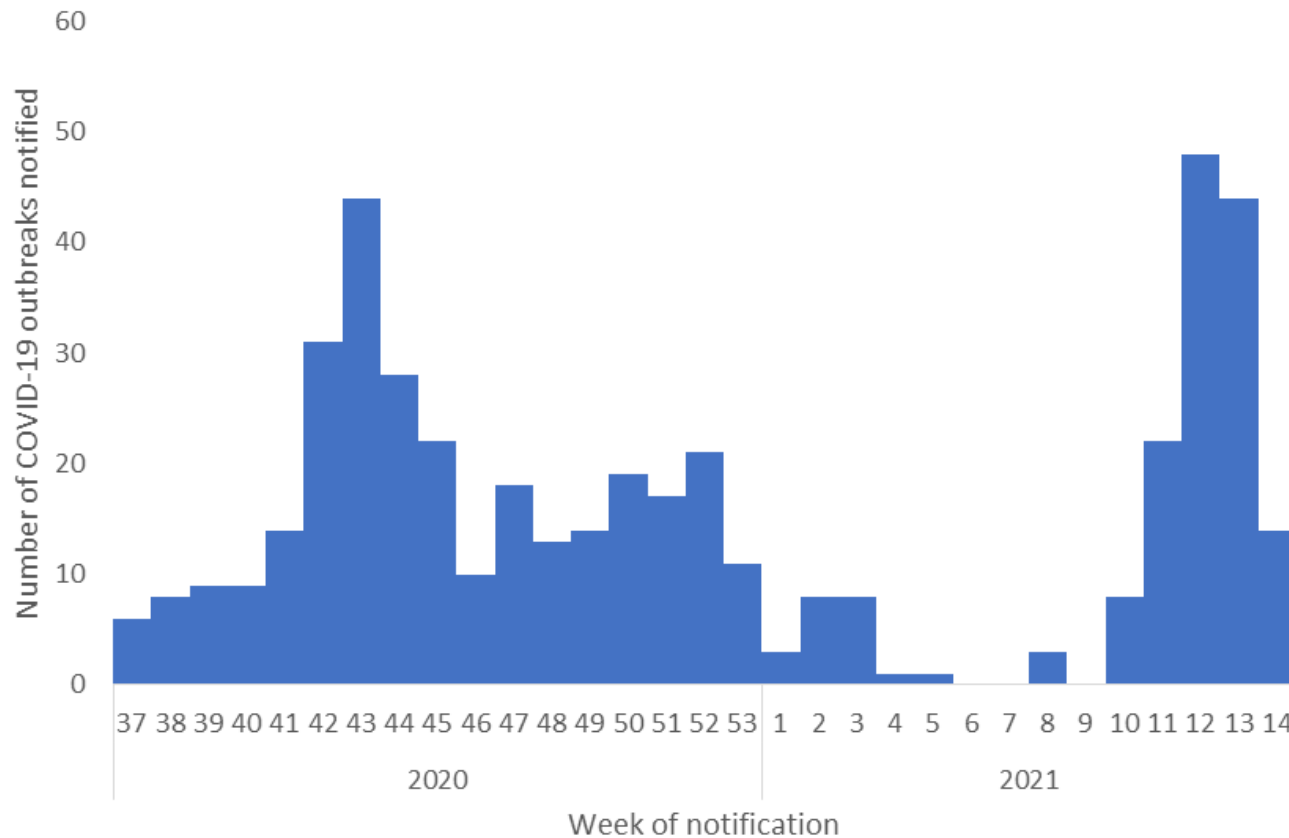
Outbreak status	Number of outbreaks	Confirmed linked cases	Number admitted to ICU	Number Died	Number HCWs
All	409	5450	137	694	2344
Open	30	542	19	106	85

Data source: CIDR April 12th 2021 – data to midnight April 10th 2021

Outbreaks associated with school children and staff to midnight 10th April 2021 (n=454)



Number of COVID-19 Outbreaks associated with school children and staff (n=454)



Overview

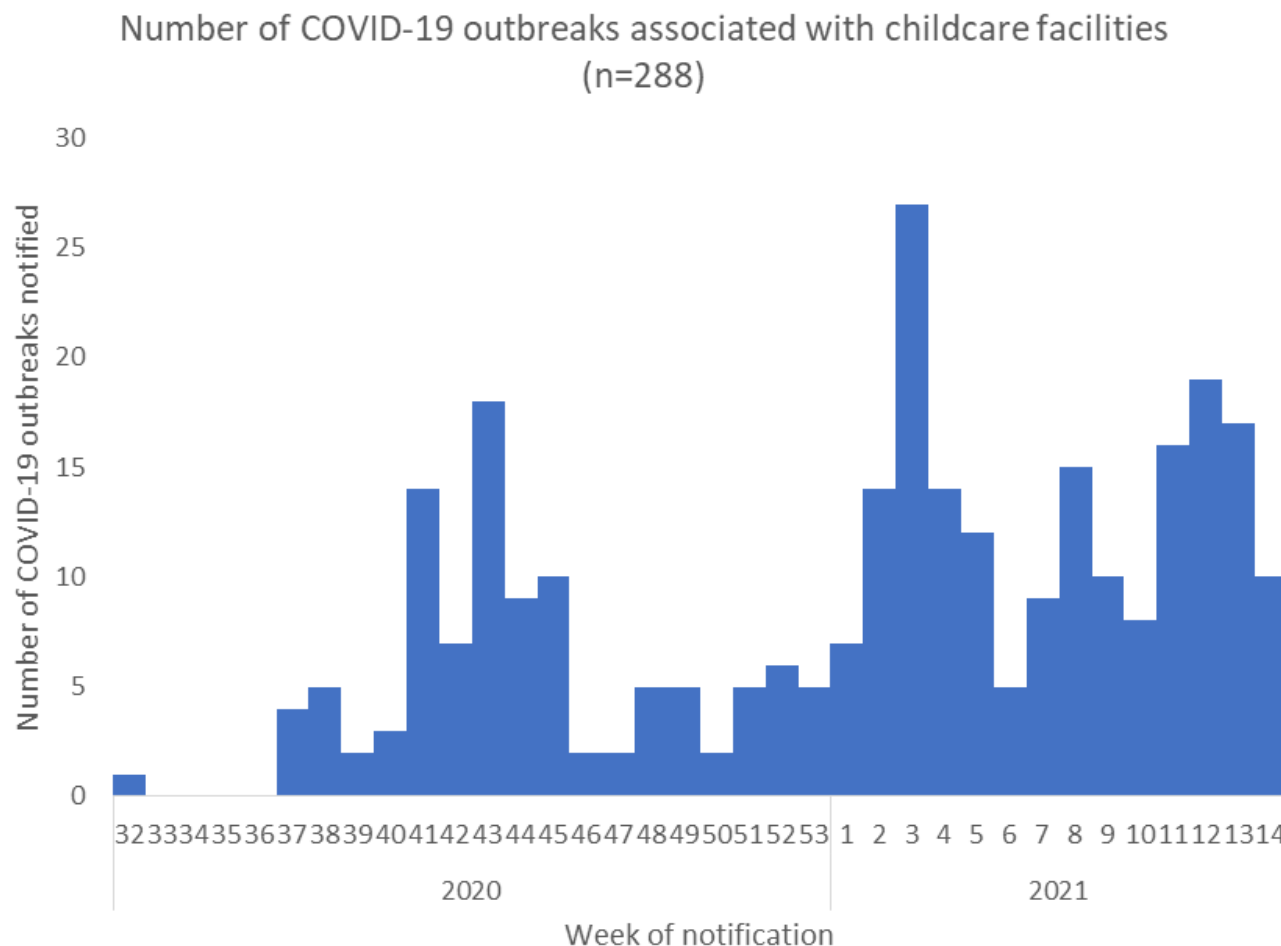
- 454 outbreaks associated with school children and staff notified
- 1,918 linked confirmed cases in total
- 406 outbreaks have ≥ 2 linked cases (range: 2-54 cases)
- 322 outbreaks have been closed; 132 remain open

Update

- 14 new school outbreaks were reported since last week
- 43 cases linked to these newly reported outbreaks (range: 0-12 linked cases)
- 48 additional cases were linked to 20 previously reported outbreaks
- Three outbreaks were closed since last week

Data source: CIDR April 12th 2021 – data to midnight April 10th 2021

Outbreaks associated with childcare facilities to midnight 10th April 2021 (n=288)



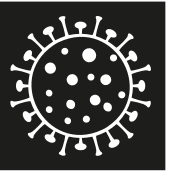
Overview

- 288 outbreaks associated with children and staff in childcare facilities notified
- 1,674 linked events in total
- 273 outbreaks have ≥ 2 linked confirmed cases (range 2-49)
- 218 outbreaks have been closed; 70 remain open

Update

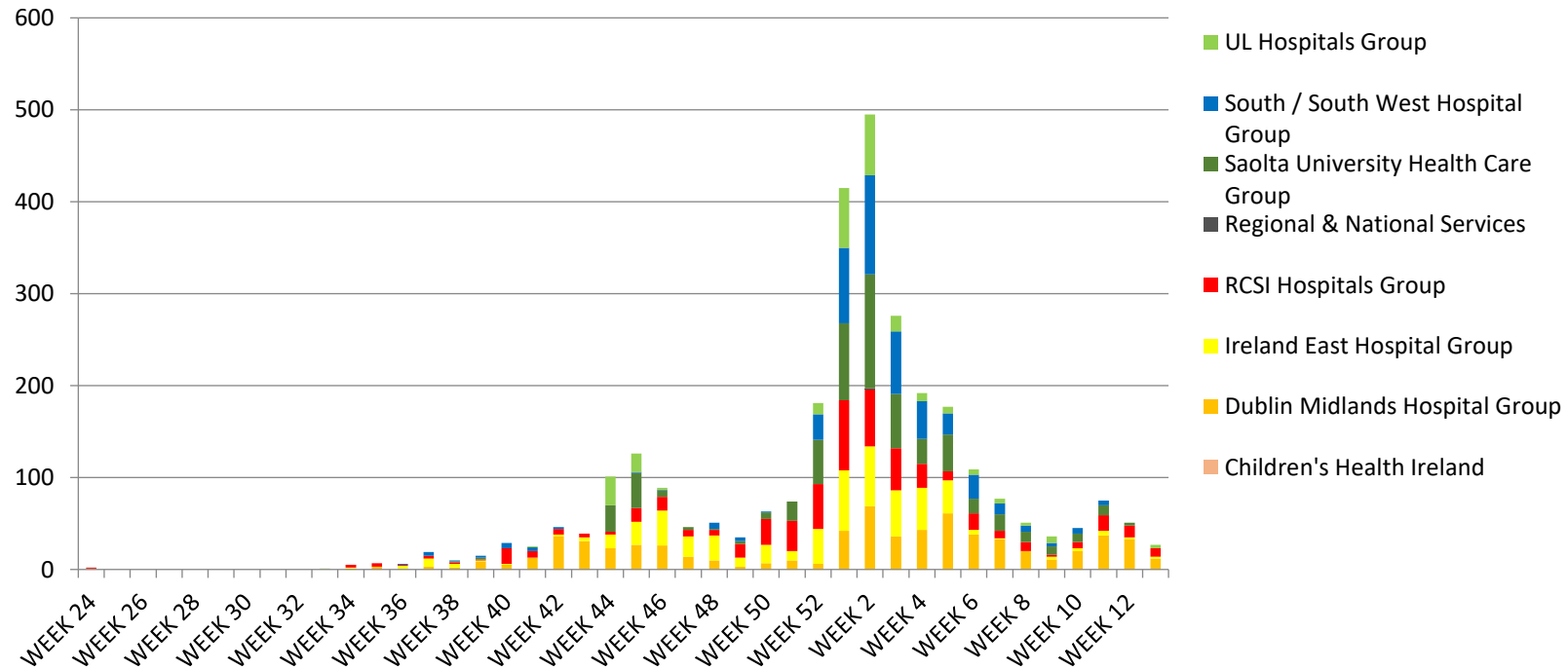
- 10 new outbreaks reported since last week
- 39 confirmed cases linked to these outbreaks (range 1-8)
- 15 additional cases were linked to 11 previously reported childcare facility outbreaks
- 27 outbreaks were closed since last week

Data source: CIDR April 12th 2021 – data to midnight April 10th 2021

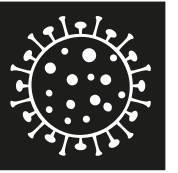


Acute Hospital

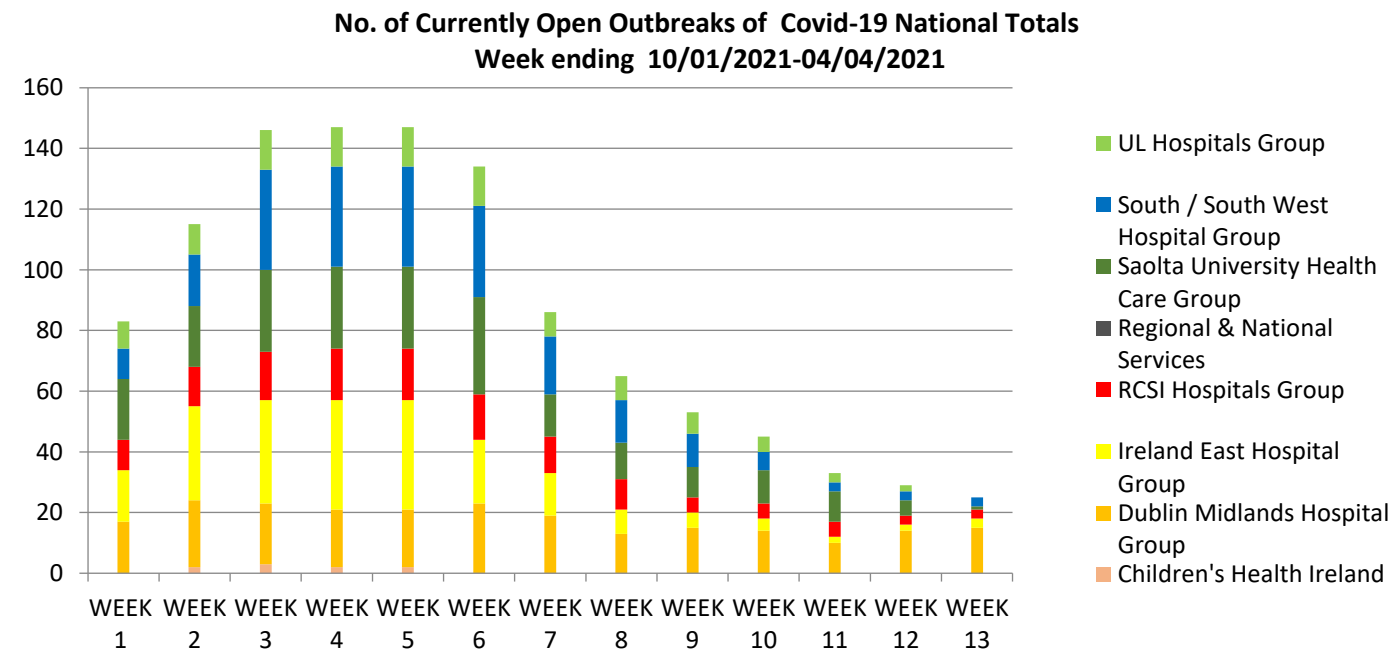
Weekly no. of Hospital-Acquired Covid-19 National Totals
21st June 2020-4th April 2021

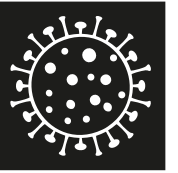


Week ending April 4
27 cases of cases of hospital acquired
COVID-19

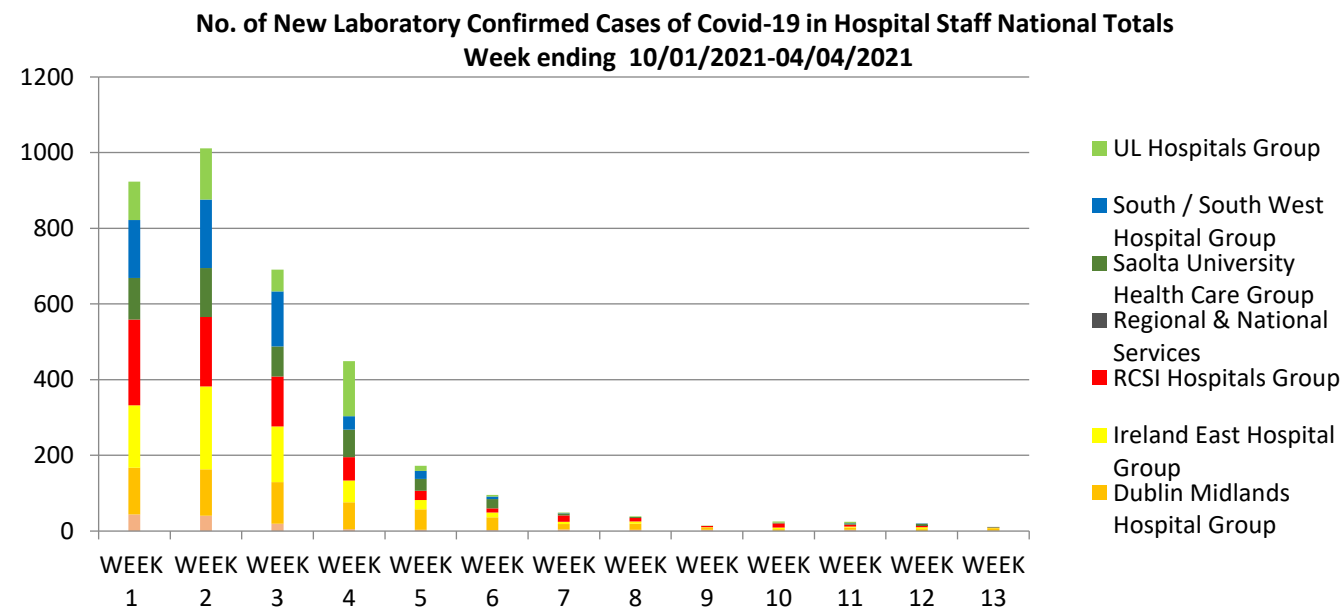


Acute Hospital

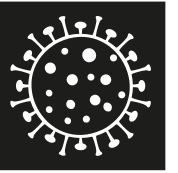




Acute Hospital

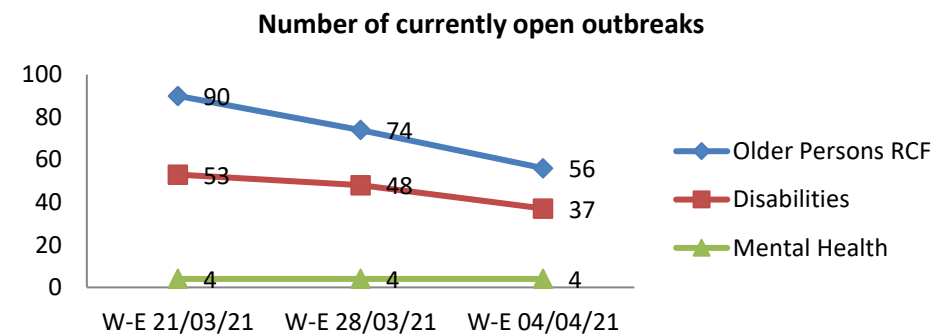


Week ending April 4
11 cases in acute hospital staff



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, 7th April – 13th April, there has been approximately 112,866 swabs taken for COVID-19 testing.

Of total swabs:

- 38,564 (34%) of these were taken in the community
- 12,627 (11%) of these were taken by the National Ambulance Service
- 43,350 (38%) swabs were taken in acute and private acute settings.
- 18,325 (16%) 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 (7th-13th April)

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: 24 hours in Acute, 25 hours in Serial Testing, 26 hours in Community

Overall, 45% of people get their result in less than 24 hours, 87% in less than 36 hours and 96% in less than 48 hours.

Referral to appointment

In the community, the median time from referral to appointment was 0.1 days.

93.7% 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 6.5 hours and 4.4 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 day**

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 (4th-10th April 2021):

- 1,669 tests were completed in 19 primary schools resulting in a **1.9% positivity rate.**
- 291 tests were completed in 169 post-primary schools resulting in a **0.3% positivity rate.**
- 40 tests were completed in 4 Special Education settings resulting in a **2.5% positivity rate**
- 1,168 tests were completed in 80 childcare facilities resulting in a **3.9% positivity rate**

CMP close contact update (5th – 11th April)



- The number of close contacts reported during the week ending 11th April was 6,571, a 41% decrease from the previous week (11,120).
- In total, 97% of these close contacts had been contacted.
- The mean number of close contacts per case (incl. cases with no close contacts) was 2.3, which is the same as the previous week.
- The number of complex contact episodes identified during the week ending 11th April was 1,044, a 26% decrease from the week ending 4th April (1,355).

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



Close Contact Attendance and Positivity Rates at Test 1 – 29th March-4th April

- Of the close contacts created between 29th March-4th April, 7,205 (87%) of those who were referred for a Test 1 appointment attended for testing.
- Results were available at the time of report preparation for 7,087 close contacts, 15% (1,061) of whom were positive.
- Household close contact positivity rate at 26.9%

Table 1.11 – SARS-CoV2 Test 1 Results by Circumstances of Contact – Contacts Created 29/03/2021 – 04/04/2021

<i>Circumstances of Contact</i>	Number of Results Reported	Positive Results	Positivity Rate
<i>Household</i>	2559	688	26.9%
<i>Social</i>	1044	135	12.9%
<i>Childcare Facilities</i>	735	29	3.9%
<i>Primary School</i>	1409	43	3.1%
<i>Secondary School</i>	190	<5	*
<i>Special School</i>	46	6	13.0%
<i>Third Level Education</i>	3	<5	*
<i>Workplace</i>	226	28	12.4%
<i>Transport</i>	97	8	8.2%
<i>Healthcare Setting: Patient**</i>	18	<5	*
<i>Healthcare Setting: Staff**</i>	11	<5	*
<i>Sport</i>	17	<5	*
<i>Other</i>	34	8	23.5%
<i>Not Recorded</i>	698	112	16.0%
Total	7087	1061	15.0%

** Unstable positivity rate due to small numbers.*

*** The majority of patients and staff who are close contacts in a healthcare setting are managed by Infection Prevention and Control and Occupational Health teams off the CCT.*

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



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

- Of the close contacts created between 22nd -28th March, 5,629 (87%) of those who were referred for a Test 2 appointment attended for testing.
- Results were available at the time of report preparation for 5,076 close contacts, 175 (3.4%) of whom were positive.
- Household close contact positivity rate at 9.1%

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

Table 1.14 – SARS-CoV2 Test 2 Results by Circumstances of Contact – Contacts Created 22/03/2021 – 28/03/2021

<i>Circumstances of Contact</i>	<i>Number of Results Reported</i>	<i>Positive Results</i>	<i>Positivity Rate</i>
<i>Household</i>	1269	116	9.1%
<i>Social</i>	712	16	2.2%
<i>Childcare Facilities</i>	431	<5	*
<i>Primary School</i>	1517	8	0.5%
<i>Secondary School</i>	252	<5	*
<i>Special School</i>	63	<5	*
<i>Third Level Education</i>	1	<5	*
<i>Workplace</i>	227	<5	*
<i>Transport</i>	45	<5	*
<i>Healthcare Setting: Patient**</i>	10	<5	*
<i>Healthcare Setting: Staff**</i>	4	<5	*
<i>Sport</i>	58	<5	*
<i>Other</i>	11	<5	*
<i>Not Recorded</i>	476	23	4.8%
Total	5076	175	3.4%

** Unstable positivity rate due to small numbers.*

*** The majority of patients and staff who are close contacts in a healthcare setting are managed by Infection Prevention and Control and Occupational Health teams off the CCT.*

Variants update



Variants of concern (new in the last week):

Confirmed cases of Brazilian P1 (new in the last week): 22 (10)

Confirmed B.1.351 cases (new in the last week): 46 (14)

Other variants of note (new in the last week):

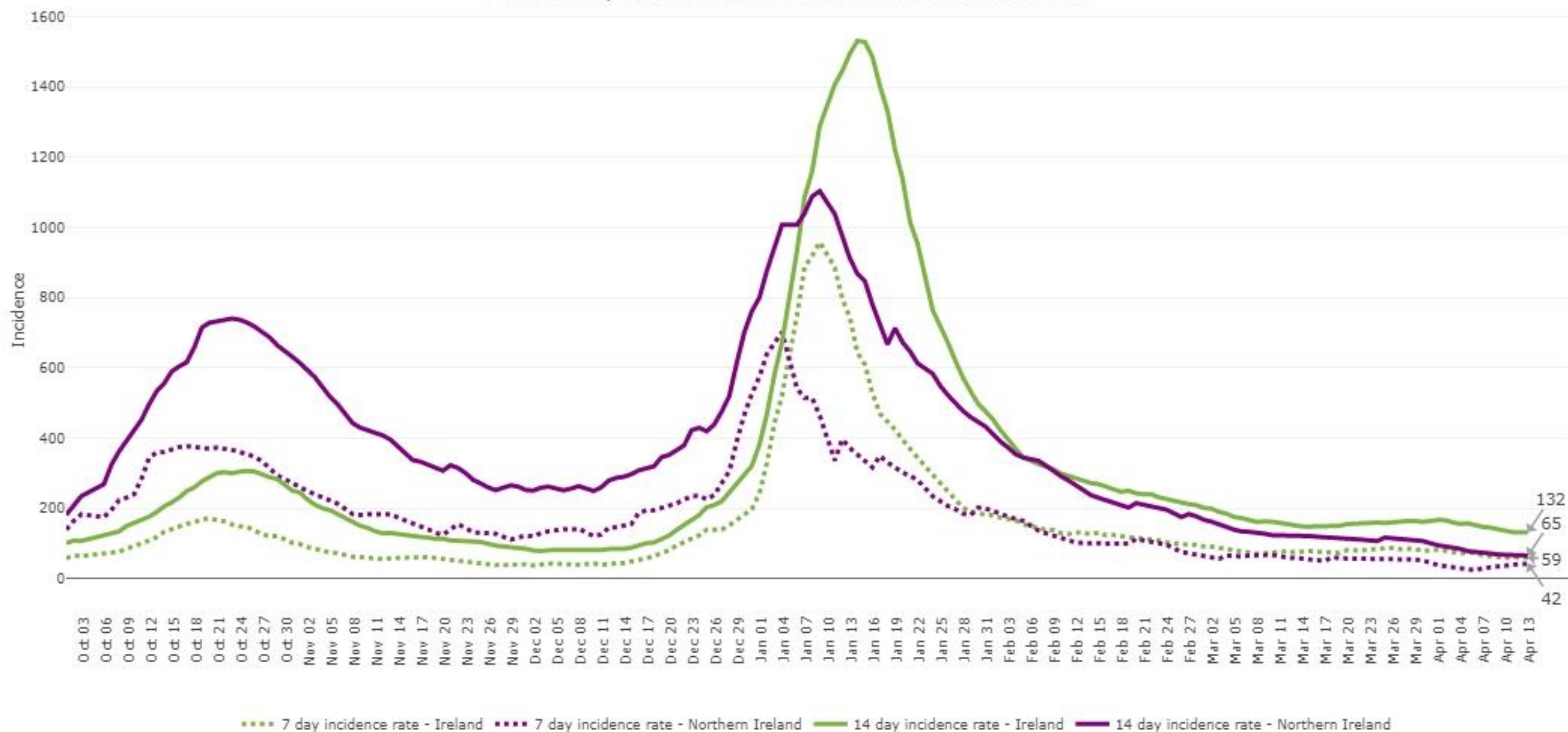
Confirmed B.1.525 cases: 16 (1)

Confirmed B.1.526 cases: 5 (0)

Confirmed P.2 cases: 14 (0)

Confirmed B.1.1.7 with E484K mutation: 2 (1)

7 and 14 day Incidence rates for Ireland and Northern Ireland



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

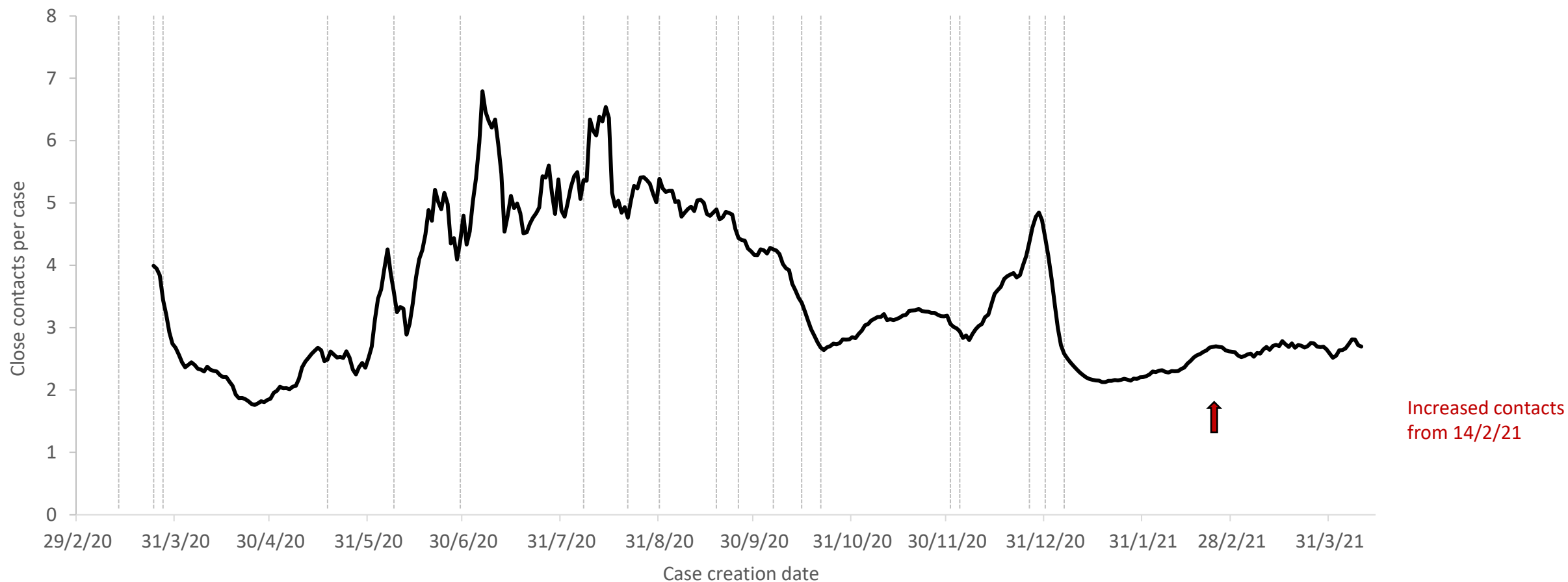
Source: HPSC CIDR Extract 140421 and health-ni.gov.uk daily data 14/04/21.



Growth in Cases & R number

Close contacts of adult confirmed cases

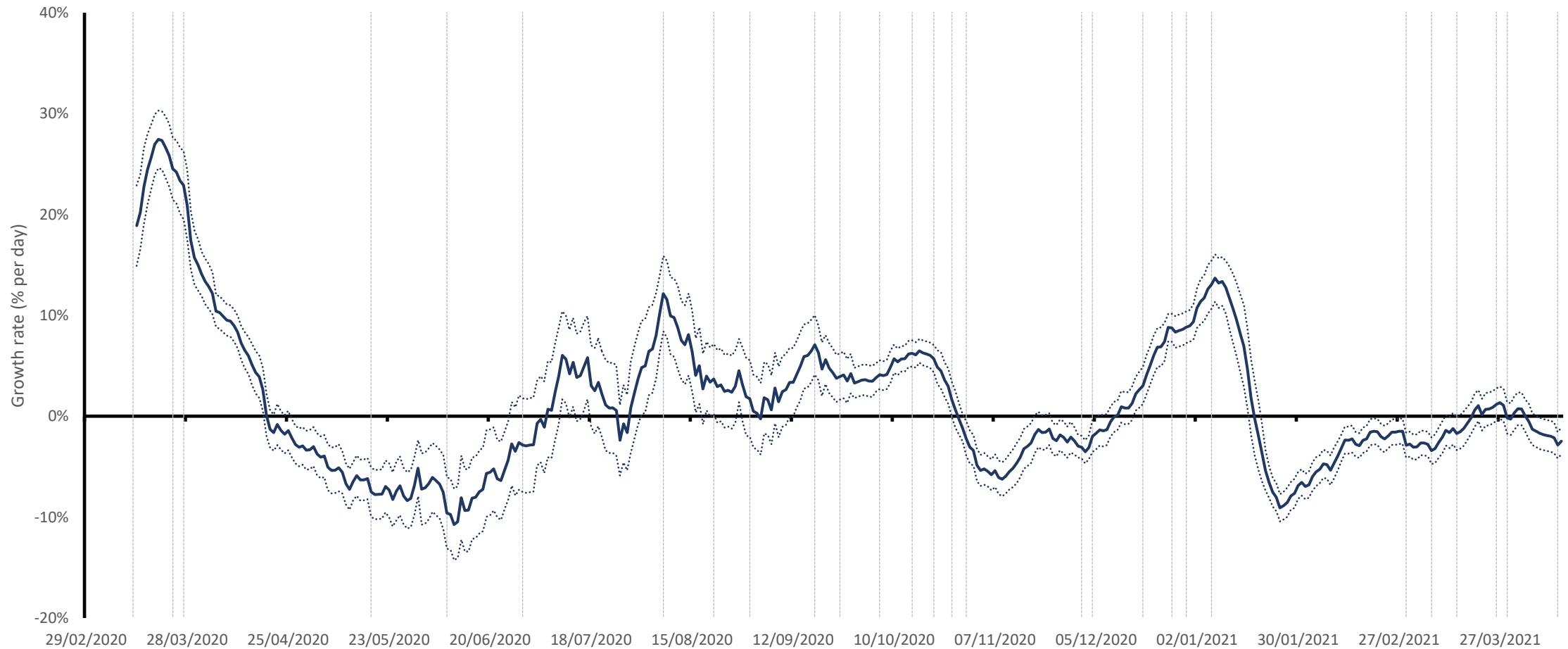
The mean number of close contacts per confirmed case. The number of contacts was very low (2 or less) during April, but increased to 5-6 per case during the summer. The public health measures during October were associated with a progressive reduction in close contacts, to below 3. The number of close 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 to ≈ 2.6 in the latter half of February 2021, and remains stable at that level



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

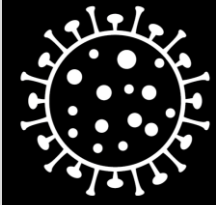
Growth rate peaked at 13% per day over the 21-day period up to 10 January 2021. While case numbers decreased very rapidly in January (-6 to -10% per day) the rate of decline slowed to -2 to -4% per day from mid-February, and from mid-March case numbers were static or growing slowly (growth rate 0% to +2% per day). The growth/decline rate is currently estimated at at -2% to -4% per day.



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

Week-on-week decline in cases

While case counts increased marginally in weeks 11 and 12 (by +9% and +4% respectively) the case count in week 13 was 9% less than week 12, and that in week 14 22% less than week 13



Coronavirus
COVID-19
Public Health
Advice

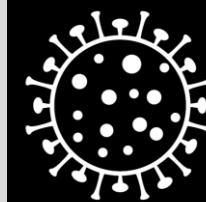
Week	Cases	Week-on week change
2021 - 1	45,616	
2	25,113	-45 %
3	14,807	-41 %
4	8,921	-40 %
5	7,143	-20 %
6	6,027	-16 %
7	5,525	-8 %
8	4,549	-18 %
9	3,629	-20%
10	3,535	-3%
11	3,840	+9%
12	3,983	+4%
13	3,618	-9%
14	2,803	-22%



Rialtas na hÉireann
Government of Ireland

Estimates of effective reproduction number (R)

Reproduction number is likely below 1.0 with high levels of uncertainty in its estimation;
it is currently estimated at 0.7 – 1.0



Coronavirus
COVID-19
Public Health
Advice

Method	Estimate	95% confidence interval
SEIR model-inferred	0.57	0.33 – 0.78
Bayesian model	0.79	0.45– 1.35
Time-dependent R	0.76	0.69 – 0.84
GAM estimate 6 Apr 2021	1.01	0.84 – 1.18
GAM estimate 13 Apr 2021	1.06	0.83 – 1.29

Estimates generated 14 April 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.



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Situation analysis 14 April 2021



- Significant improvement in all indicators of disease
- Incidence is decreasing, but remains high and there is significant variability and uncertainty
 - Cases (5-day average) 388 cases per day; 14-day incidence 132 per 100,000
 - Incidence decreasing across all age groups
 - Test positivity low, partly due to an increase in the volume of testing
 - Reproduction number (R) is likely below 1.0, estimated at 0.7 – 1.0, rate of decline -2 to -4% per day
- Numbers in hospital, critical care and dying are decreasing
- Level of close contact is constant
 - The efforts of the majority of the population are achieving a 75-85% suppression of viral transmission
- Anticipate at least a transient increase in case numbers following school reopening and associated increase in social contact and mobility
- Significant impact of vaccination in HCW and LTRC
- While there is strong evidence of protective effect of vaccination in those vaccinated, the population is not protected, so the situation remains volatile and high risk



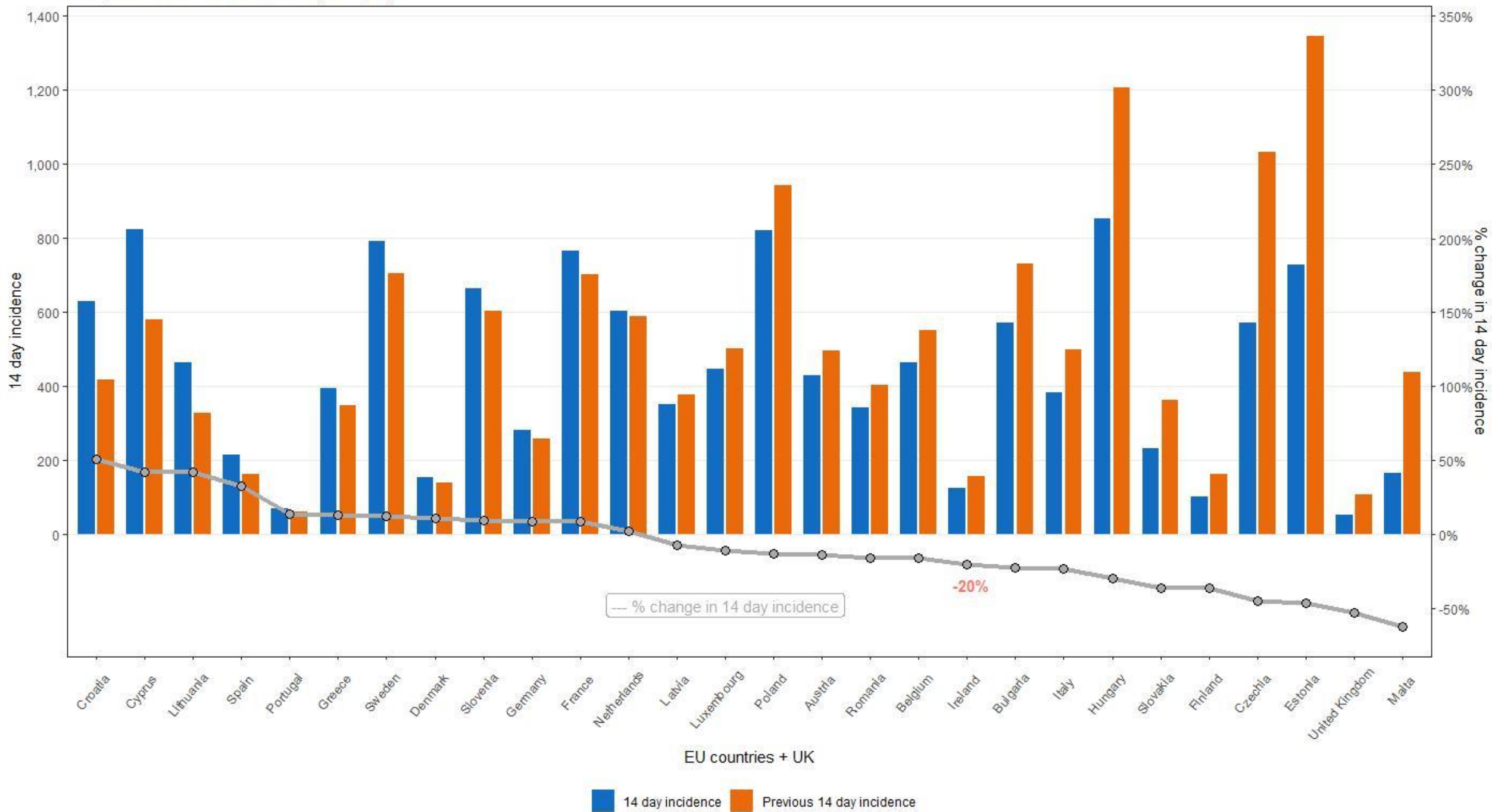
European Data

EU/UK ranked by 14 day incidence (13th April)

EU and the UK	14 day incidence	Previous 14 day incidence	% change in 14 day incidence
Hungary	852	1207	-29%
Cyprus	825	581	42%
Poland	822	943	-13%
Sweden	793	705	13%
France	765	701	9%
Estonia	729	1347	-46%
Slovenia	663	604	10%
Croatia	630	418	51%
Netherlands	603	590	2%
Czechia	573	1034	-45%
Bulgaria	570	732	-22%
Lithuania	466	328	42%
Belgium	464	551	-16%
Luxembourg	448	502	-11%
Austria	430	496	-13%
Greece	394	348	13%
Italy	384	500	-23%
Latvia	351	378	-7%
Romania	342	405	-16%
Germany	281	257	9%
Slovakia	233	363	-36%
Spain	215	162	33%
Malta	165	438	-62%
Denmark	155	139	11%
Ireland	126	158	-20%
Finland	103	162	-36%
Portugal	69	61	14%
United Kingdom	51	109	-53%

- 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>

European 14 incidence rates (13 April)



EU/UK ranked by 7 day percentage change (13th April)

EU and the UK	7 day incidence	Previous 7 day incidence	% change in 7 day incidence
Germany	172.0	108.9	58%
Spain	125.3	90.1	39%
Latvia	202.6	148.5	36%
Lithuania	256.7	208.8	23%
Croatia	340.4	289.6	18%
Portugal	37.3	32.0	17%
Bulgaria	305.1	265.3	15%
Cyprus	435.6	389.0	12%
Malta	85.4	79.3	8%
Sweden	411.1	381.7	8%
Slovenia	343.4	320.0	7%
Luxembourg	229.6	218.9	5%
Netherlands	307.3	296.1	4%
France	389.2	375.7	4%
Denmark	78.6	76.2	3%
Slovakia	115.5	117.3	-2%
Czechia	278.2	294.9	-6%
Belgium	223.7	240.1	-7%
Greece	187.4	206.2	-9%
Austria	203.8	226.1	-10%
Poland	378.2	443.6	-15%
Italy	175.9	207.9	-15%
Estonia	331.7	396.8	-16%
Ireland	56.2	70.1	-20%
Romania	151.6	190.1	-20%
Hungary	376.1	476.3	-21%
Finland	45.1	58.2	-23%
United Kingdom	17.3	34.1	-49%

- 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>