An Roinn Sláinte
Department of Health

NPHET COVID Update
7th January 2021

Current situation

	01-Oct	26-Oct (2nd wave peak 14 day inc.)	01-Dec	09-Dec	16-Dec	23-Dec	31-Dec	02-Jan	06-Jan
14-day incidence	96.12	306.27	86.94	79.15	87.70	153.13	296.67	381.53	819.11
5-day average cases	407.2	920.0	261.0	283.6	338.0	783.8	1279.2	2007.2	5524.4
Total weekly cases	2608	7003	1894	1864	2312	4980	8707	11543	30996

	01-Oct	26-Oct (2nd wave peak 14 day inc.)	01-Dec	09-Dec	16-Dec	23-Dec	31-Dec	02-Jan	06-Jan
No. Hospital (8.A.M)	122	344	224	215	198	239	491	581	921
No. in ICU (6.30 P.M)	22	40	30	32	32	27	39	50	77

	01-Oct	26-Oct (2nd wave peak 14 day inc.)	01-Dec	09-Dec	16-Dec	23-Dec	31-Dec	02-Jan	06-Jan
Positivity rate (7 day average)	3.0%	6.1%	2.7%	2.5%	2.7%	4.8%	10.9%	14.3%	21.9%

	September	October	November	December	January
Total Deaths	37	126	158	162	34
Deaths associated with Nursing Home outbreaks	12	51	51	54	10
Deaths associated with Hospital outbreaks	7	25	57	45	6

* Data refers to latest available information at 10am 6th Jan
* ICU figures from 6:30pm previous day

Cases, numbers in hospital and intensive care

Case numbers have risen very rapidly. The number of people in hospital and ICU, and the number of admissions per day, is also increasing very quickly . The number of deaths per day is increasing.
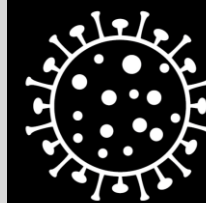
Coronavirus **COVID-19** Public Health Advice

	16 Apr	24 Jun	29 Jul	26 Aug	30 Sept	21 Oct	16 Dec	23 Dec	31 Dec	6 Jan	Daily count 6 Jan
Cases confirmed per day	547	10	18	117	356	1160	330	713	1243	4429	7836
14-day incidence *per 100,000 population*	157	4.0	5.6	32	92	288	88	153	297	819	
Hospital in-patients	858	42	11	22	108	279	198	222	365	551	921
Hospital admissions per day	56	2	2	3	10	23	14	22	43	77	137
ICU confirmed cases	147	15	5	6	18	32	33	29	31	40	88
ICU admissions per day	8	< 1	< 1	< 1	2	3	1	2	5	8	18
Deaths confirmed per day	32	< 1	< 1	< 1	1	5	5	6	7	11	

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. NPHET monitors 5-day moving average and 14-day cumulative incidence on a day-by-day basis, as indicators of rate of change of incidence and overall burden of infection. 7-day averages are used here to limit day-of-week effects. 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, and is now 5524

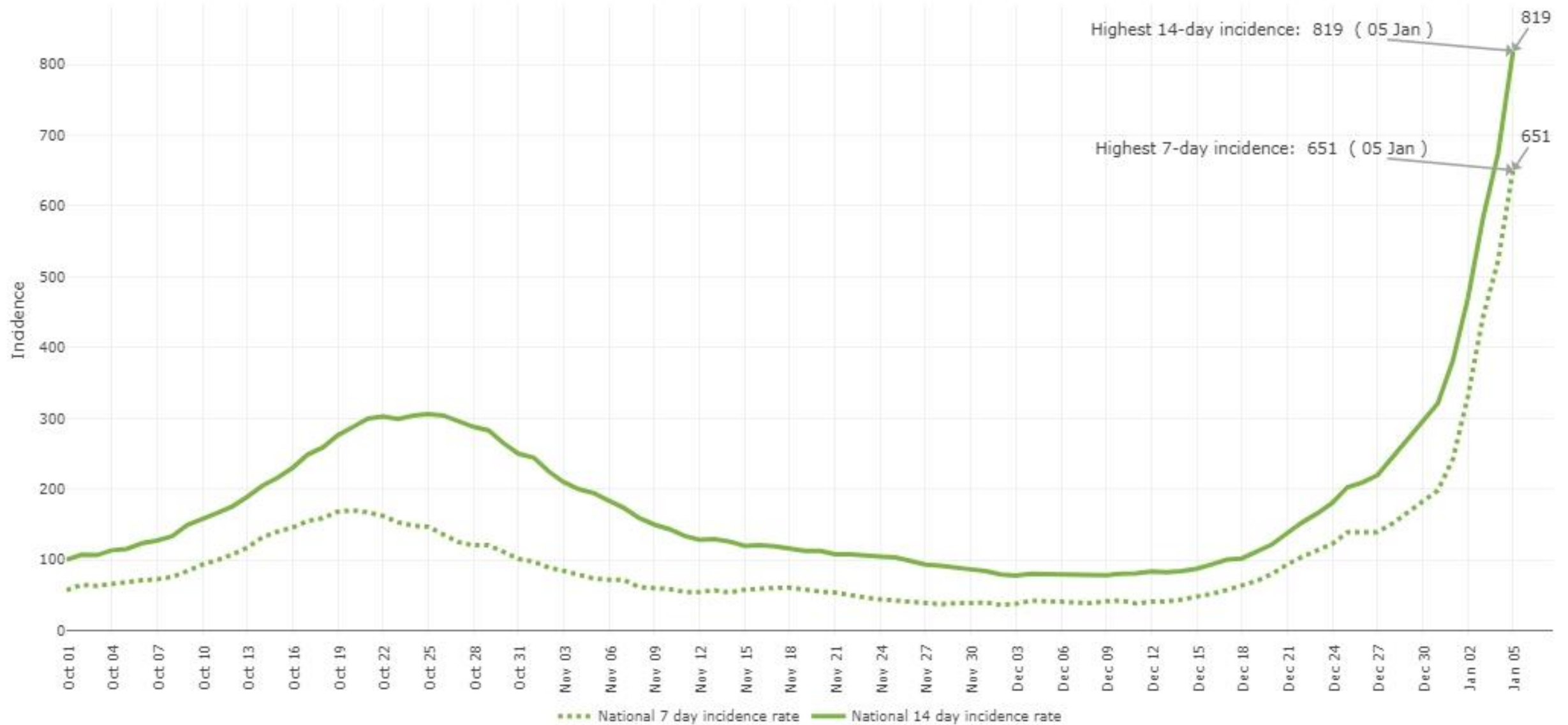Coronavirus
COVID-19
Public Health
Advice

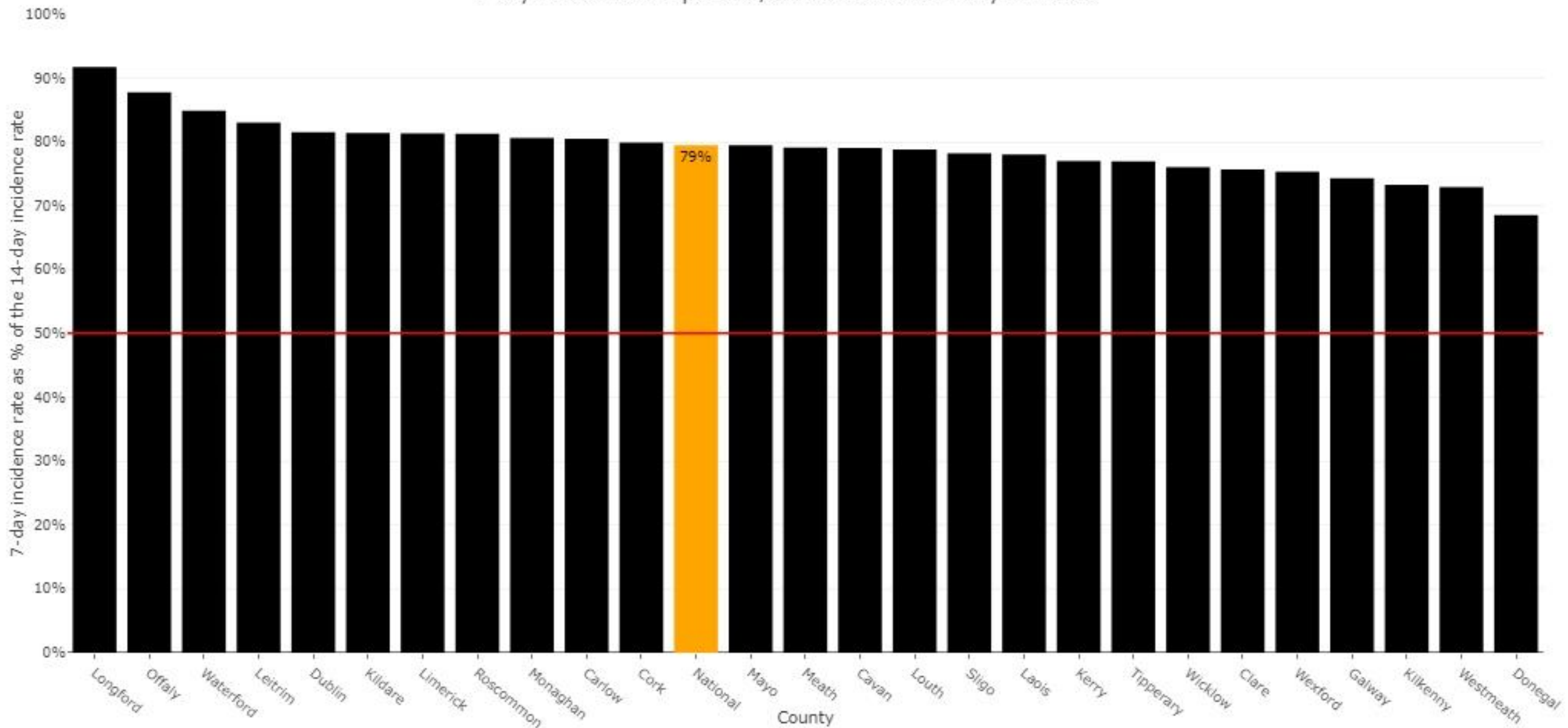| Cases per week | 93 | 125 | 139 | 119 | 284 | 540 | 546 | 711 | 796 | 912 | 1303 | 1947 | 2060 | 3031 | 4458 | 7397 | 7073 | 4838 | 3424 | 2583 | 2580 | 1799 | 2028 | 1966 | 3368 | 6609 | 8355 |
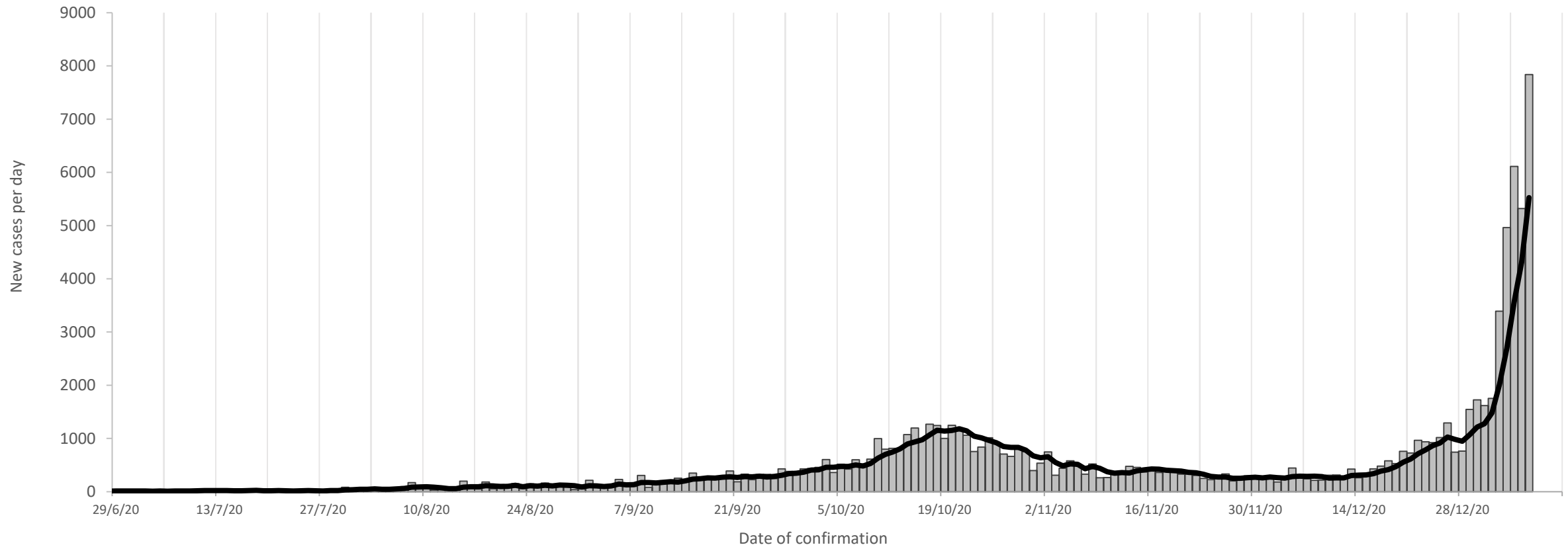
Daily count (bars) 5-day average (line) and weekly counts of the number of laboratory confirmed new cases by date on which they were confirmed by HPSC. Case counts may change due to denotification of cases. Weekly case counts are by event date from midnight Saturday to midnight Saturday.
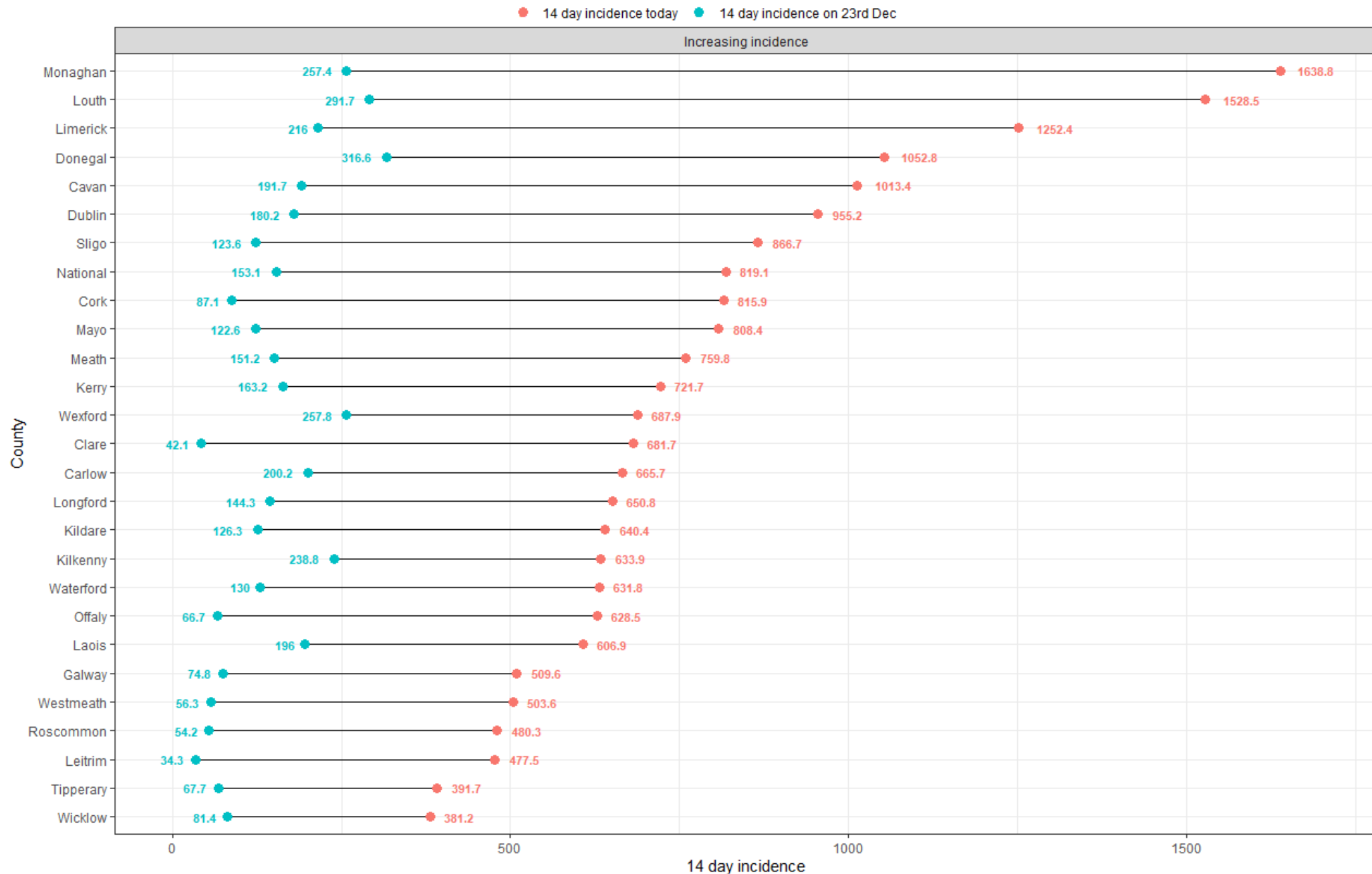
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National 7 and 14 day Incidence rates

Highest 14-day incidence: 819 (05 Jan)

819

Highest 7-day incidence: 651 (05 Jan)

651

Legend: •••• National 7 day incidence rate — National 14 day incidence rate

Source: HPSC CIDR Extract 060121

7-day incidence rate per 100,000 as % of the 14-day incidence

Source: HPSC CIDR Extract 060121

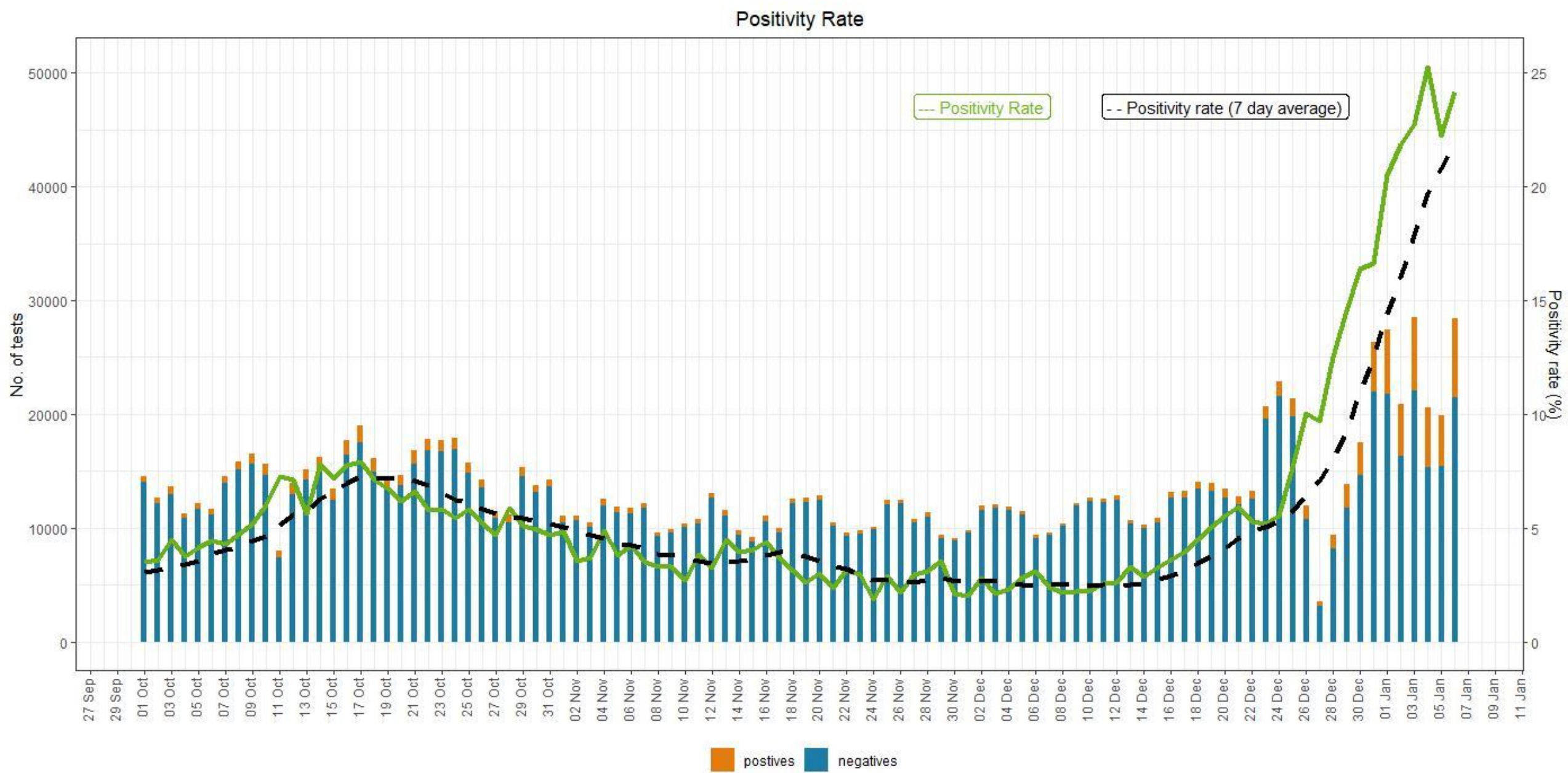# 14 day incidence by county (today versus 23rd December)

All counties are currently seeing an rapid increase in 14 day incidence

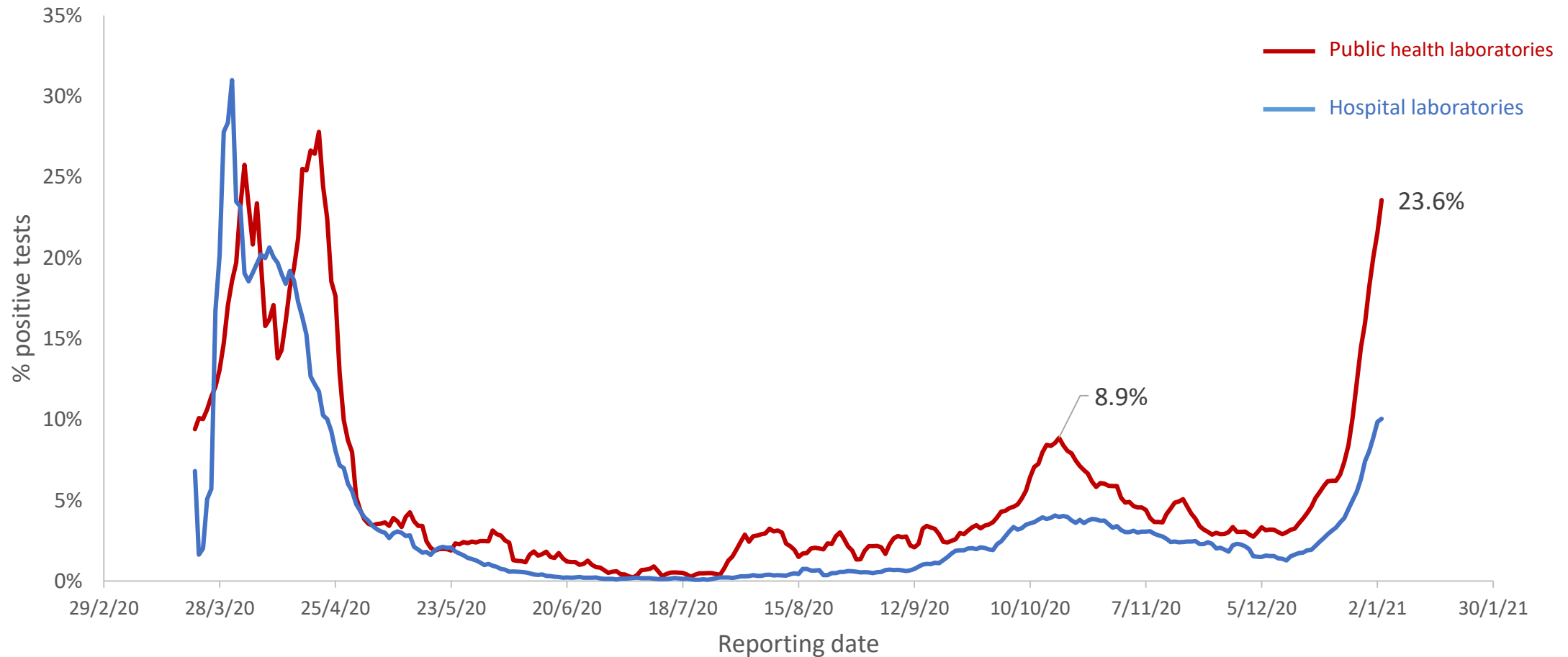● 14 day incidence today   ● 14 day incidence on 23rd Dec

Increasing incidence

County	23rd Dec	Today
Monaghan	257.4	1638.8
Louth	291.7	1528.5
Limerick	216	1252.4
Donegal	316.6	1052.8
Cavan	191.7	1013.4
Dublin	180.2	955.2
Sligo	123.6	866.7
National	153.1	819.1
Cork	87.1	815.9
Mayo	122.6	808.4
Meath	151.2	759.8
Kerry	163.2	721.7
Wexford	257.8	687.9
Clare	42.1	681.7
Carlow	200.2	665.7
Longford	144.3	650.8
Kildare	126.3	640.4
Kilkenny	238.8	633.9
Waterford	130	631.8
Offaly	66.7	628.5
Laois	196	606.9
Galway	74.8	509.6
Westmeath	56.3	503.6
Roscommon	54.2	480.3
Leitrim	34.3	477.5
Tipperary	67.7	391.7
Wicklow	81.4	381.2

14 day incidence

Updated as of 6th Jan 21

Recent trend in positivity rate

Positivity Rate

Source: HPSC Cumulative Report on Lab Results, 060121

% Positivity Rate in Past 7 Days inc./ex. Serial Testing
(data not provided every day)
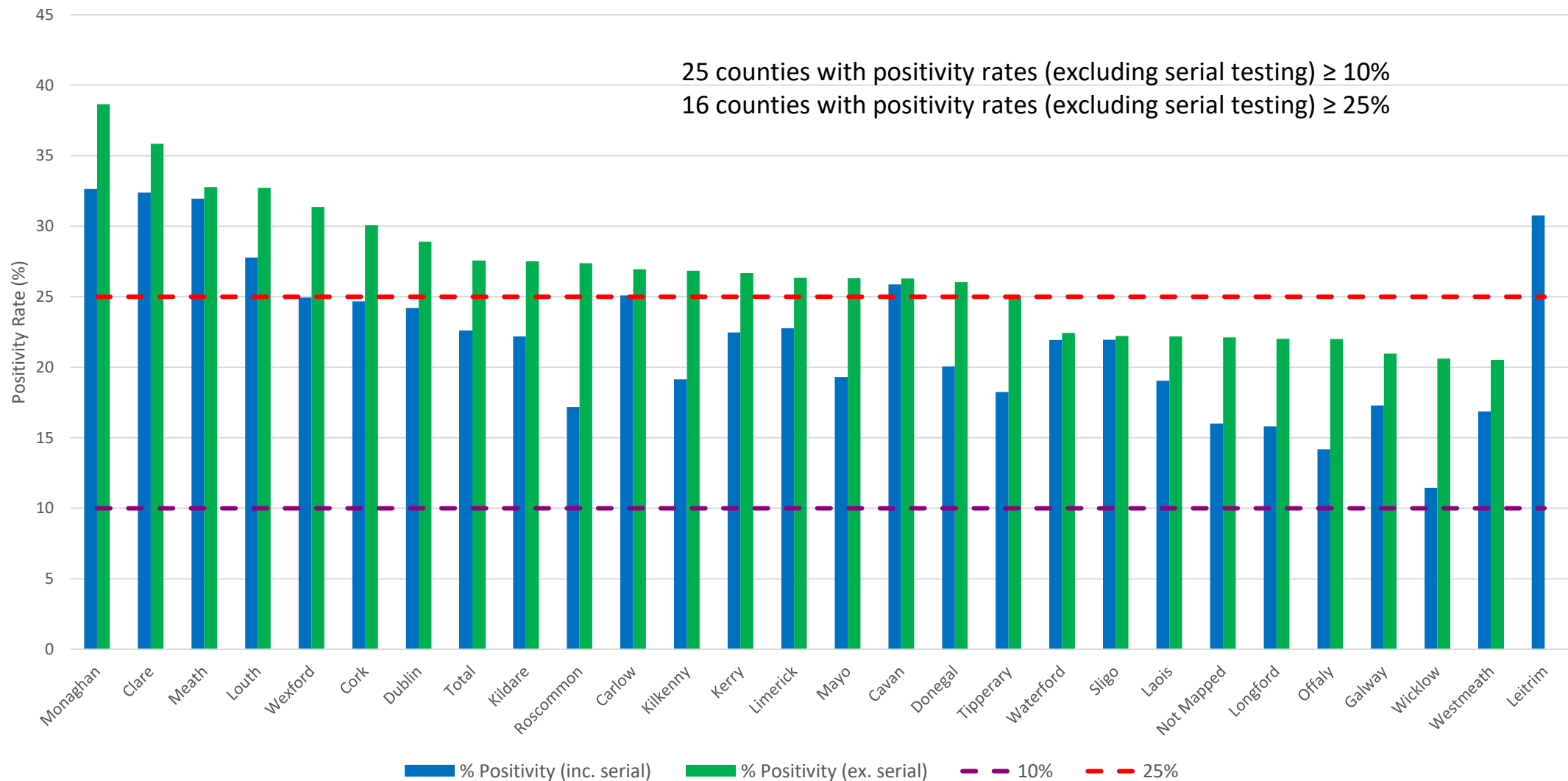
Updated 06/01/2021
Source: CRM data, HSE Contact and Tracing Team.
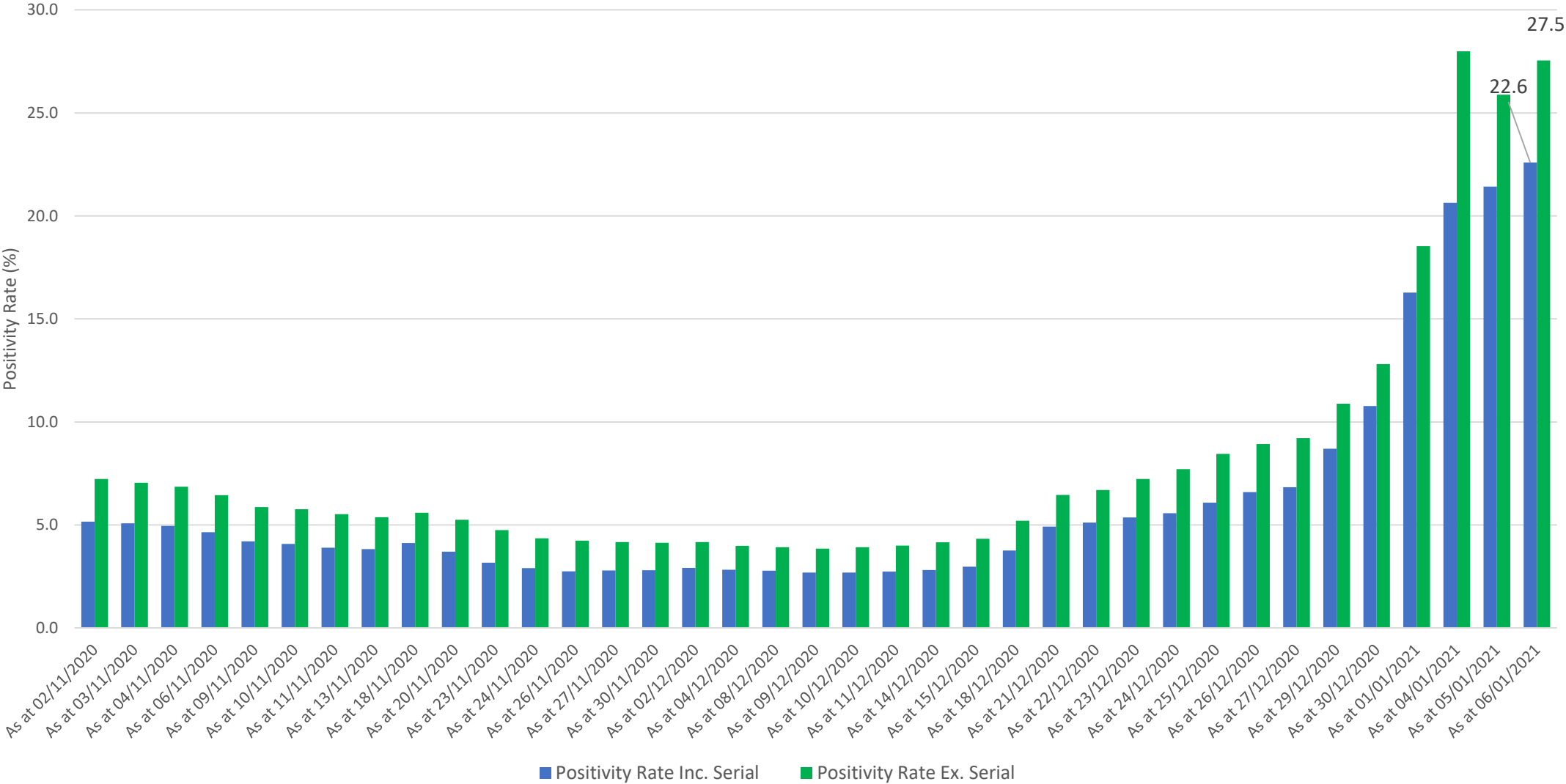
No. of Non-Serial and Serial Swabs in Past 7 Days and Non-Serial as a % of Total Swabs
(Friday of each week and latest date)

	As at 09/10/20 20	As at 14/10/20 20	As at 23/10/20 20	As at 30/10/20 20	As at 06/11/20 20	As at 13/11/20 20	As at 20/11/20 20	As at 27/11/20 20	As at 04/12/20 20	As at 11/12/20 20	As at 18/12/20 20	As at 25/12/20 20	As at 01/01/20 21	As at 06/01/20 21
Non-Serial Swabs	59,684	67,895	79,412	66,804	50,512	45,314	43,724	42,098	42,267	42,010	49,369	72,434	82,283	124,183
Serial Swabs	12,982	11,977	32,407	29,861	29,219	28,133	30,386	30,017	29,636	31,074	30,704	41,808	21,663	40,800
Non-Serial as % of Total Swabs	82.1	85.0	71.0	69.1	63.4	61.7	59.0	58.4	58.8	57.5	61.7	63.4	79.2	75.3

Updated 06/01/2021
Source: HSE Contact and Tracing Team.

Up to 23/10/20200 tests which could not be linked to a County
(Not Mapped) are not included in the data for total tests.

% Positivity Rate Past 7 Days (inc./ex. serial testing) by County as at 06/01/21
(data provided by HSE Contact and Tracing Team)

25 counties with positivity rates (excluding serial testing) ≥ 10%
16 counties with positivity rates (excluding serial testing) ≥ 25%

Legend: ■ % Positivity (inc. serial) ■ % Positivity (ex. serial) - - 10% - - 25%

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

Updated as at 06/01/2021

Incidence across different age groups (excluding HCW and LTRC)

When incidence started to rise again in July, cases increased first in younger age groups, especially in the 19-24 age group, with a delayed increase in incidence in older (65+) adults. The current wave is different, with a rapid rise in incidence in all age groups, and a very concerning level of disease in those aged 65 and older. A number of cases in those aged 65 and older will be linked in the coming days to outbreaks in LTRC.
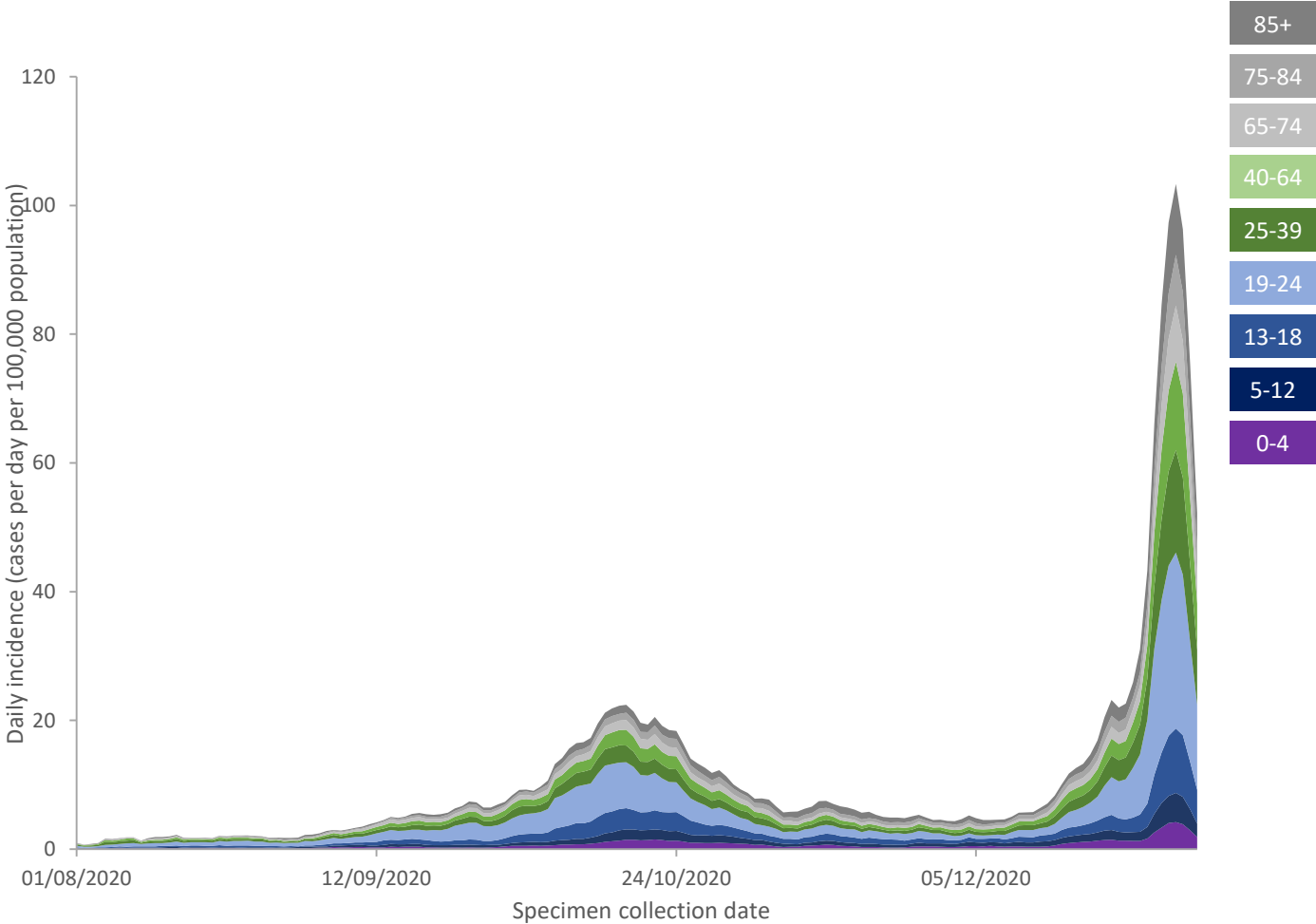

| Week	Age band								
	0-4	5-12	13-18	19-24	25-39	40-64	65-74	75-84	85+
27	1.5	0.4	0.3	1.8	1.9	0.9	0.0	1.0	0.0
28	0.9	1.1	1.1	10.9	2.0	1.1	1.9	1.0	3.0
29	1.2	0.4	0.8	3.0	3.3	1.9	2.4	1.5	3.0
30	1.8	0.5	1.6	3.6	4.3	0.9	1.9	0.0	1.5
31	4.8	2.6	7.3	11.2	8.6	4.6	2.1	2.5	1.5
32	4.5	3.8	6.7	19.9	16.7	10.9	4.8	2.5	3.0
33	6.6	10.4	12.9	28.7	20.5	12.5	8.6	2.5	5.9
34	6.6	6.9	16.7	34.4	15.3	10.5	5.6	5.1	1.5
35	6.0	9.5	13.2	36.2	17.9	10.7	4.8	8.7	5.9
36	13.3	13.7	17.8	48.6	22.6	13.9	11.0	12.2	14.8
37	17.5	17.5	29.9	64.3	28.3	24.5	22.5	8.7	7.4
38	21.4	26.2	44.1	90.3	44.3	34.8	32.9	19.8	14.8
39	12.4	22.8	42.8	148.2	50.1	42.0	33.2	31.0	17.8
40	29.9	28.6	63.2	167.3	67.8	57.7	34.3	26.0	19.2
41	44.0	47.4	134.8	322.2	116.6	91.6	62.1	51.9	53.3
42	78.1	90.9	196.7	430.8	155.1	142.7	91.8	67.7	57.7
43	82.7	93.5	175.5	304.9	122.7	121.6	84.6	82.9	69.6
44	54.0	67.1	93.9	152.8	74.4	76.5	54.3	54.5	45.9
45	34.4	39.7	58.1	83.9	58.0	46.1	42.8	44.3	41.4
46	41.9	37.2	65.9	89.7	45.5	45.2	32.7	43.3	57.7
47	22.0	34.1	59.5	79.7	34.8	33.2	28.6	39.2	54.8
48	23.2	31.5	45.5	66.7	33.9	29.8	22.2	36.1	31.1
49	28.4	36.6	37.7	40.5	33.2	30.0	25.4	30.0	34.0
50	21.4	39.7	44.1	57.4	40.1	35.2	22.5	31.6	19.2
51	51.6	58.5	74.5	128.6	88.5	81.9	54.9	55.5	45.9
52	76.9	76.5	120.0	331.8	183.3	142.2	98.3	100.8	105.1
53	142.1	161.5	331.3	1000.0	531.5	455.4	295.3	252.4	341.9

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). 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 date of specimen collection.

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Incidence by age group (excl. HCW and LTRC)

This analysis compares incidence in those aged 65 and older with the population average and with young adults (aged 19-24). While in the second wave there is a delay of several weeks between increasing incidence in young people and an attenuated increase in older persons, in the third wave incidence is rising early and rapidly in those aged 65 and older.
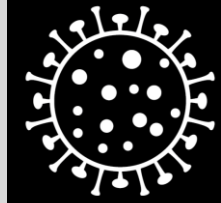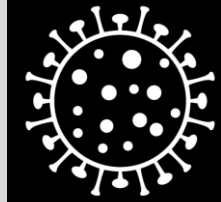
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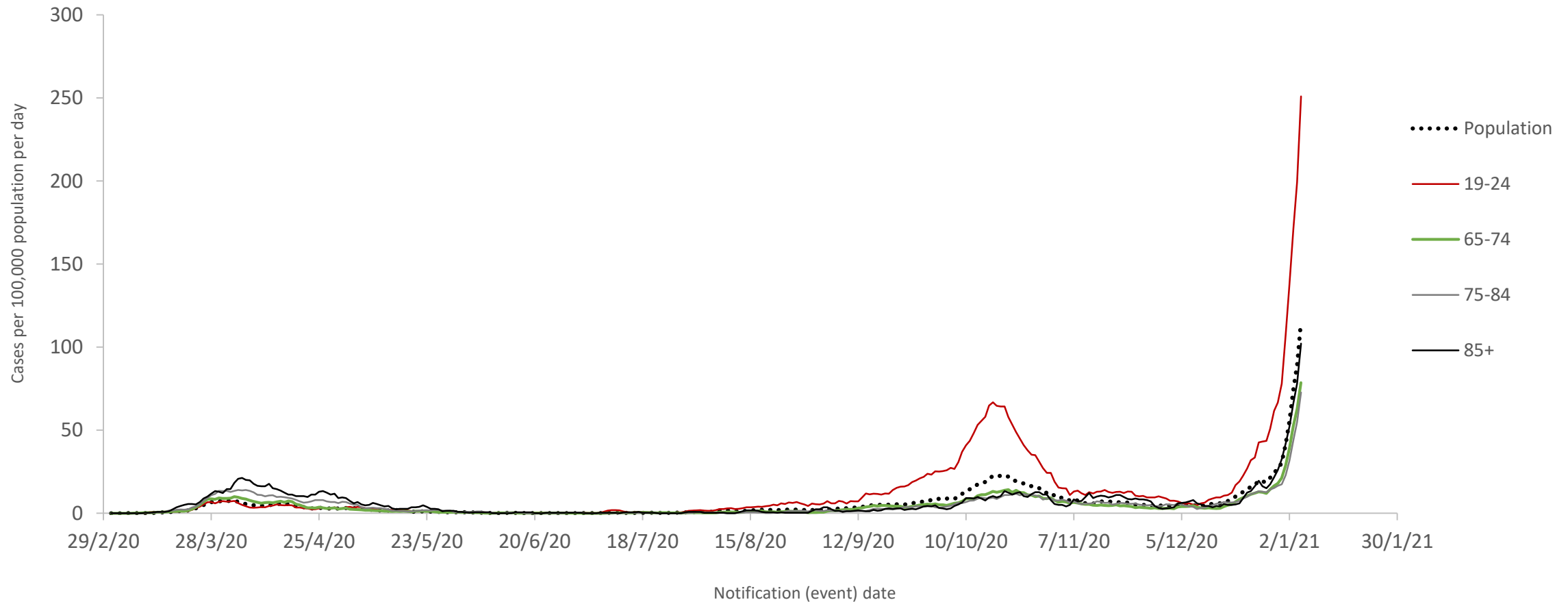
Age-specific incidence (cases per day per 100,000 population within each age cohort, population from CSO 2016 census data). Healthcare workers and cases associated with outbreaks in long-term residential care are excluded, so that the analysis reflects the pattern of cases in the community. Cases dated by notification (event) date. Tests outsourced to German laboratory in April backdated, using the specimen collection date, to the date they would have been confirmed if tested in a timely manner.

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Incidence by age

Age-specific incidence for those aged under 25, compared with the overall population. The incidence in those aged 18 and under remains at or below the population average
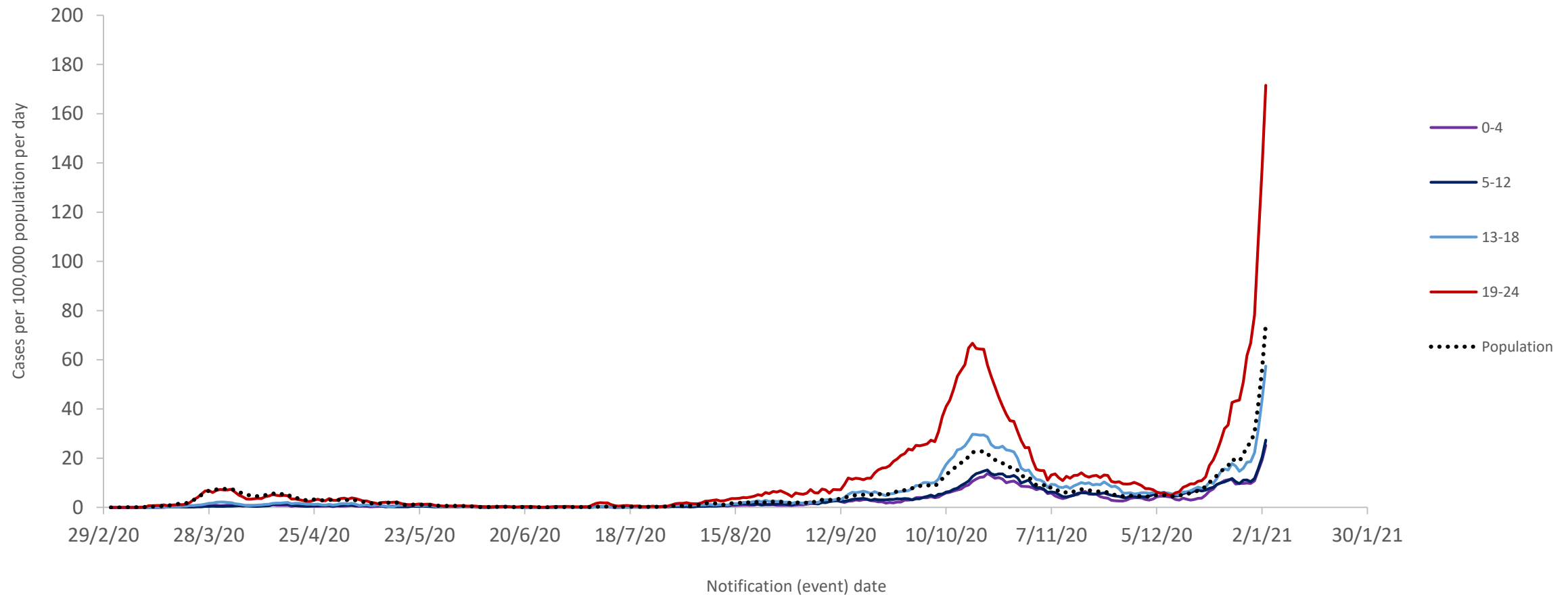
Age-specific incidence (cases per day per 100,000 population within each age cohort, population from CSO 2016 census data). Healthcare workers and cases associated with outbreaks in long-term residential care are excluded, so that the analysis reflects the pattern of cases in the community. Cases dated by notification (event) date. Tests outsourced to German laboratory in April backdated, using the specimen collection date, to the date they would have been confirmed if tested in a timely manner.
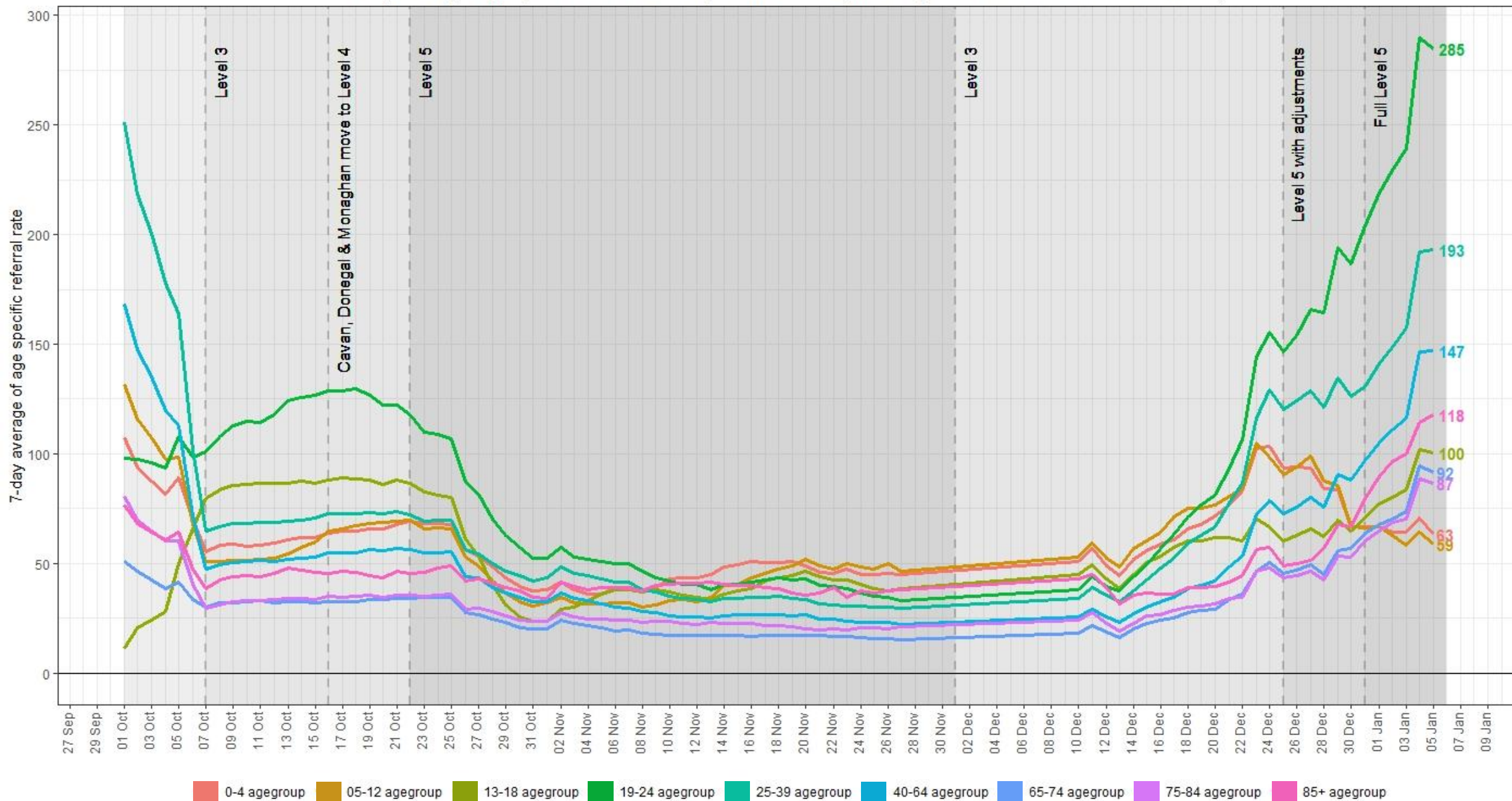
GP referrals

Trends in GP referrals (exclusing close contacts)
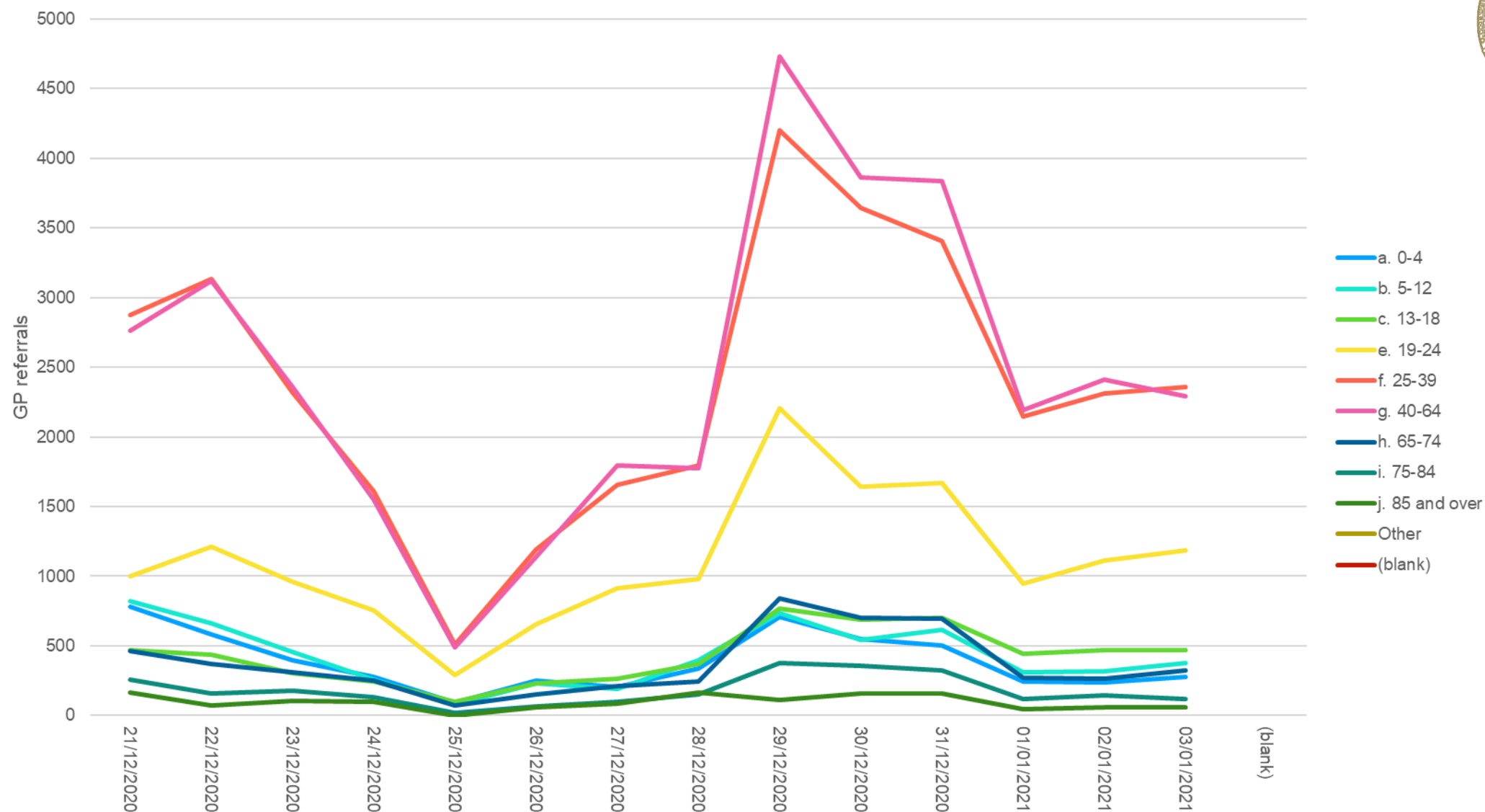
7-day Average Age-specific Referral Rate per 100,000 Population (GP Referrals excl. Close Contacts)

Updated 06 January. 2016 population estimates used.

Hospital & ICU Data

Cases, numbers in hospital and intensive care

There was a long delay in the second wave between the increase in cases and the increase in the numbers of people in hospital because there was a long period in September and October where the disease was largely confined to younger adults. However, numbers in hospital are now rising sharply, as the recent rapid increase in incidence was more evenly distributed across age cohorts
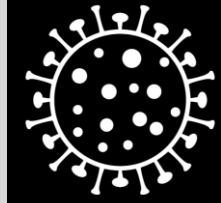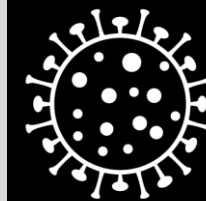
Coronavirus
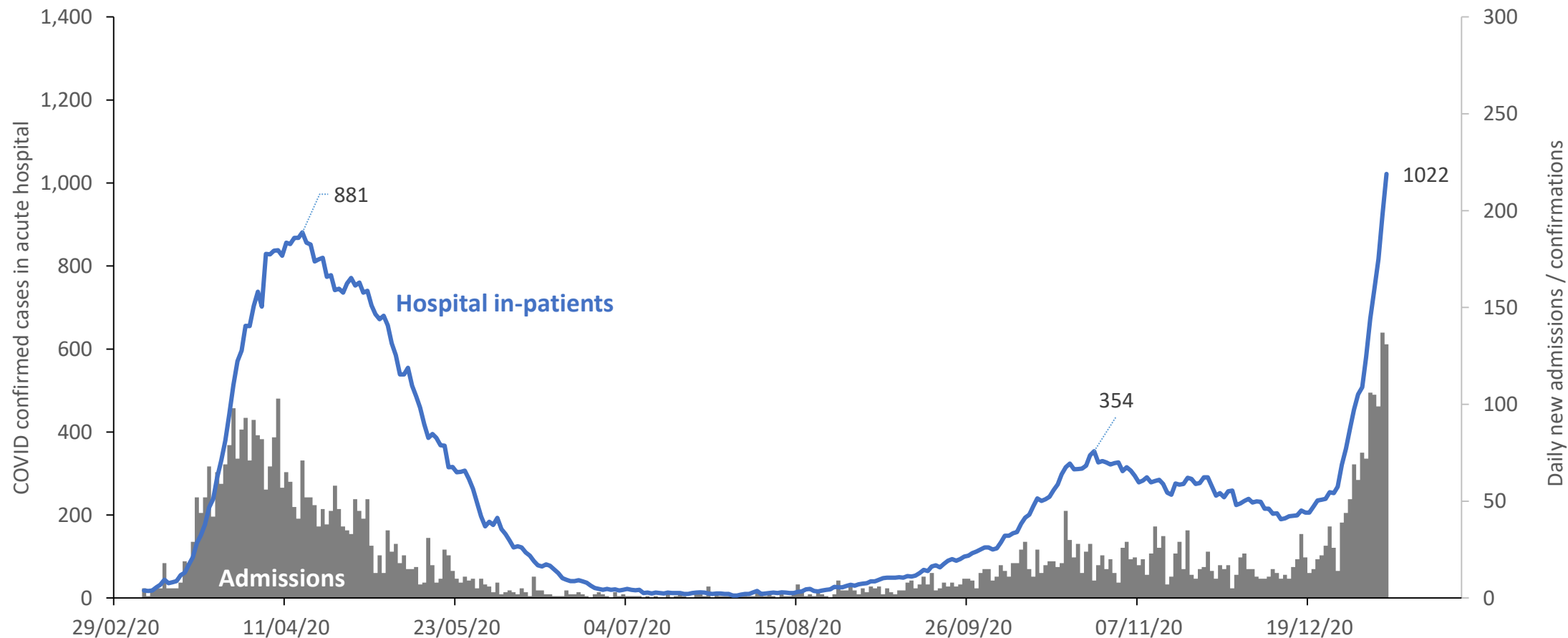**COVID-19**
Public Health
Advice
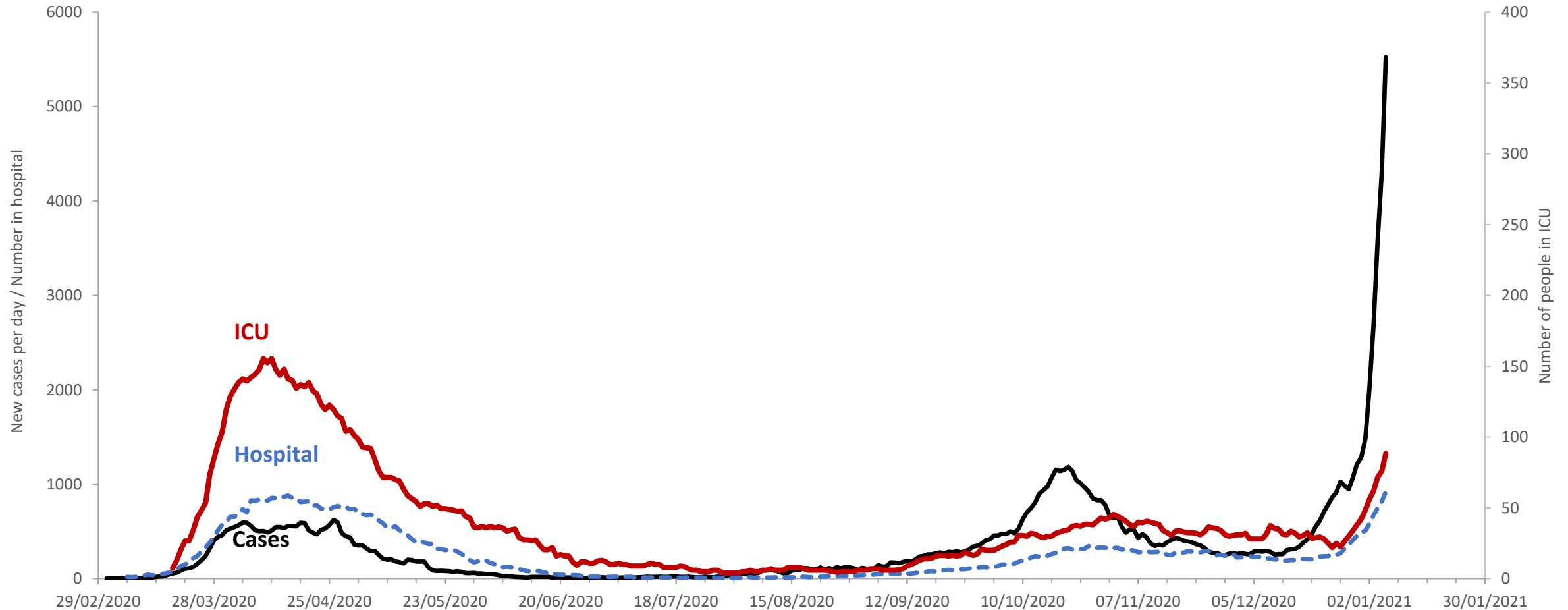
Cases: Number of new cases confirmed per day, cases assigned to date confirmed by HPSC. Tests outsourced to German laboratory in April backdated, using the specimen collection date, to the date they would have been confirmed if tested in a timely manner. Hospital: number of COVID-19 confirmed patients in acute hospitals. ICU: number of COVID-19 confirmed patients in ICU. 5-day averages.

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Confirmed cases in acute hospitals

The number of people in hospital with confirmed SARS-CoV-2 infection is now increasing rapidly

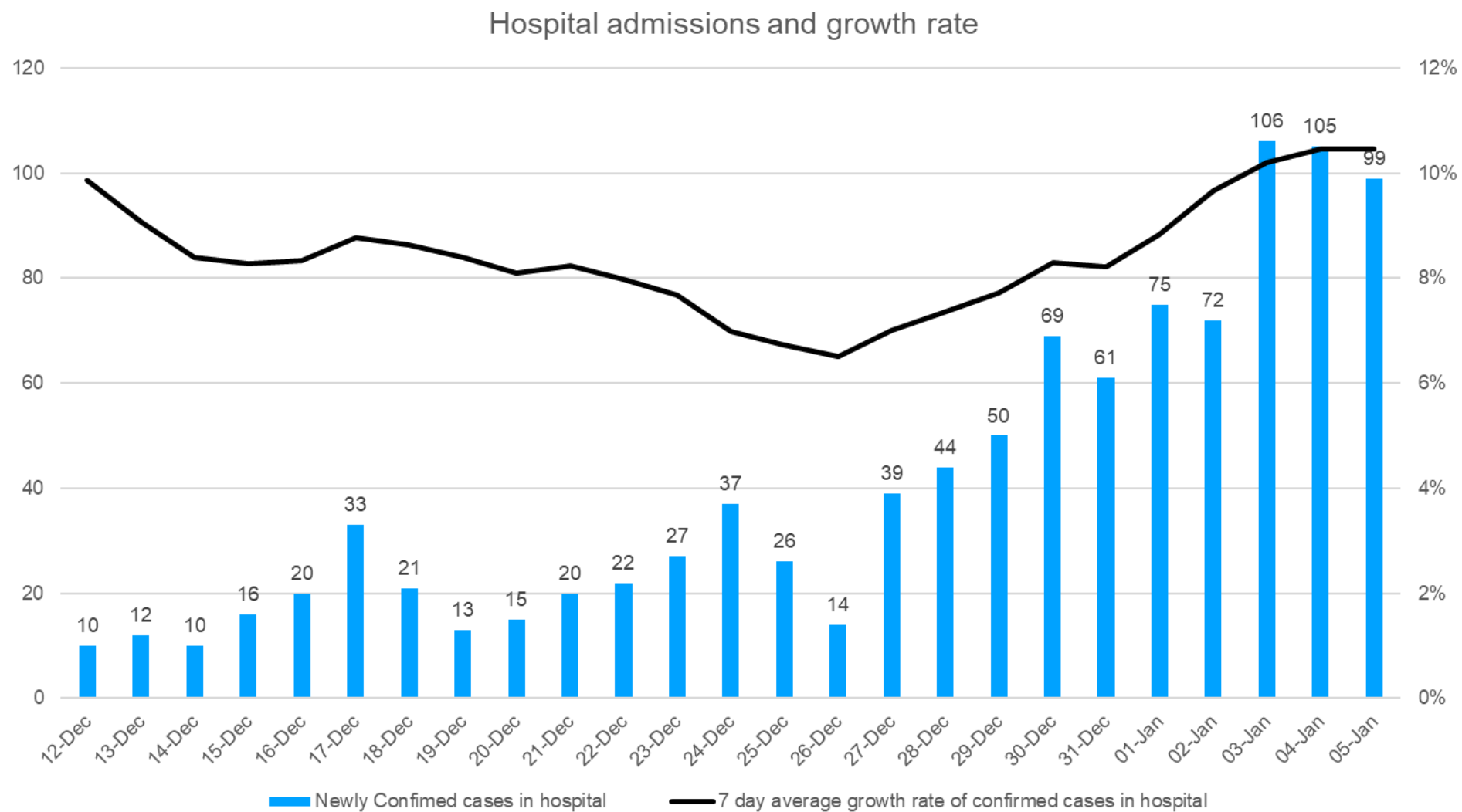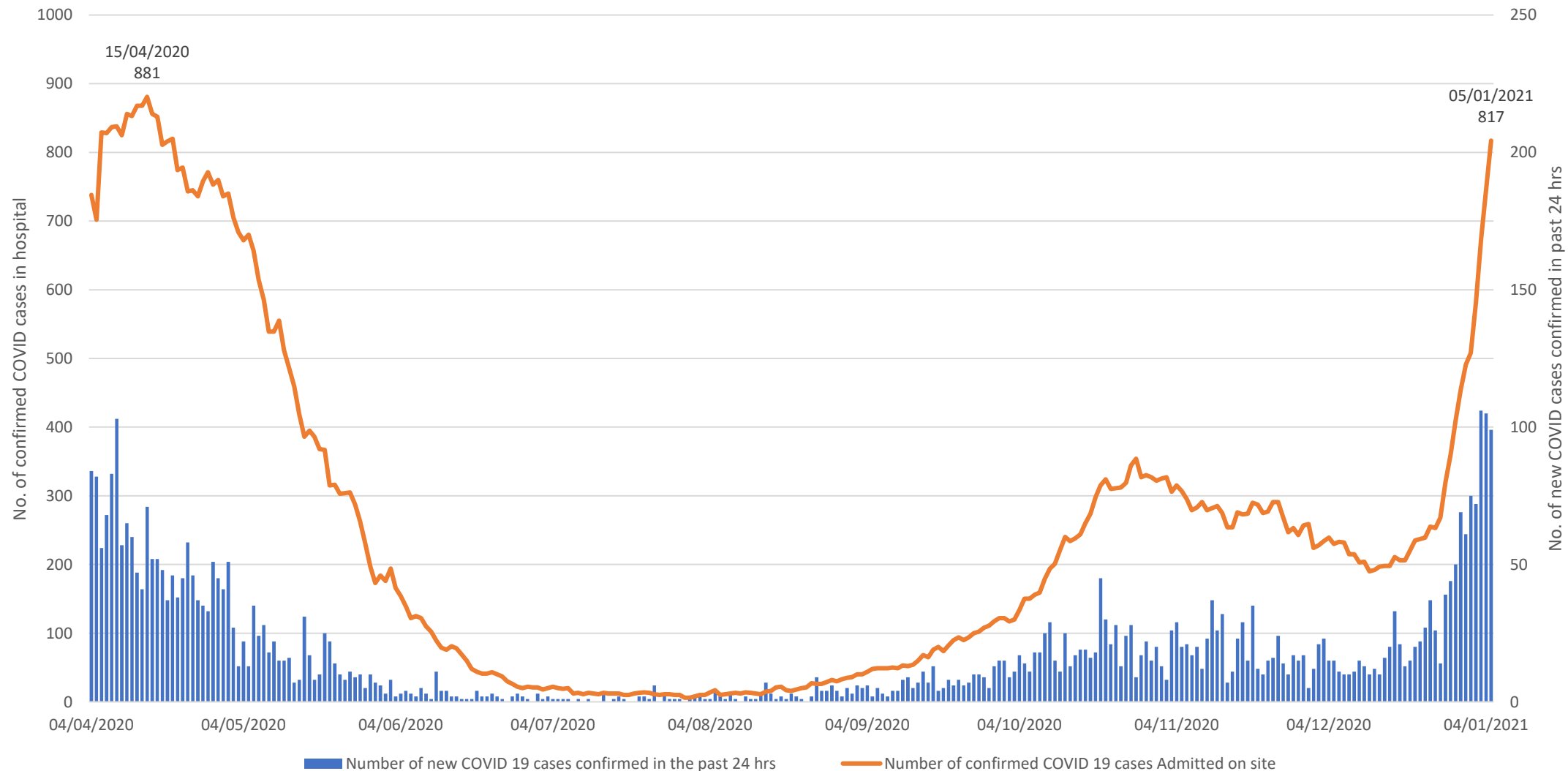Hospital in-patients: Daily count of number of COVID-19 confirmed cases in acute hospitals. Daily admissions: New COVID-19 confirmed admissions and new laboratory confirmations of suspected cases in preceding 24 hours. Data from HSE PMIU-SDU, 8am census.

Hospital admissions and growth rate

Newly Confimed cases in hospital ▬▬ 7 day average growth rate of confirmed cases in hospital

No. of confirmed COVID cases in acute hospitals at 8AM and
No. of new cases confirmed in past 24 hrs

15/04/2020
881

05/01/2021
817

Number of new COVID 19 cases confirmed in the past 24 hrs

Number of confirmed COVID 19 cases Admitted on site

Updated to 8AM 05/01/2021

Confirmed Covid cases: Daily count of number of COVID-19 confirmed cases in acute hospitals.
New confirmed cases: New COVID-19 confirmed admissions and new laboratory confirmations of suspected cases in preceding 24 hours.
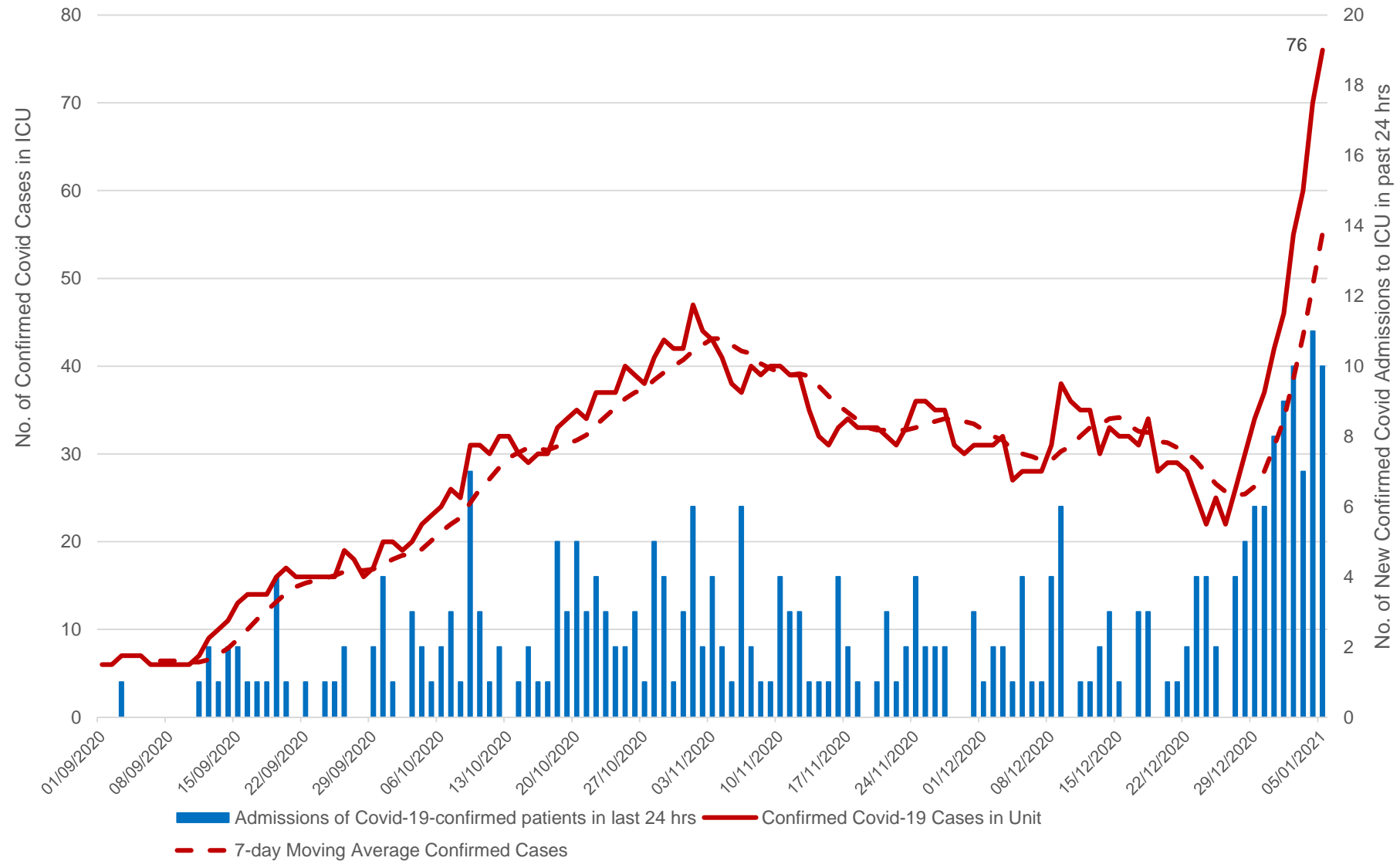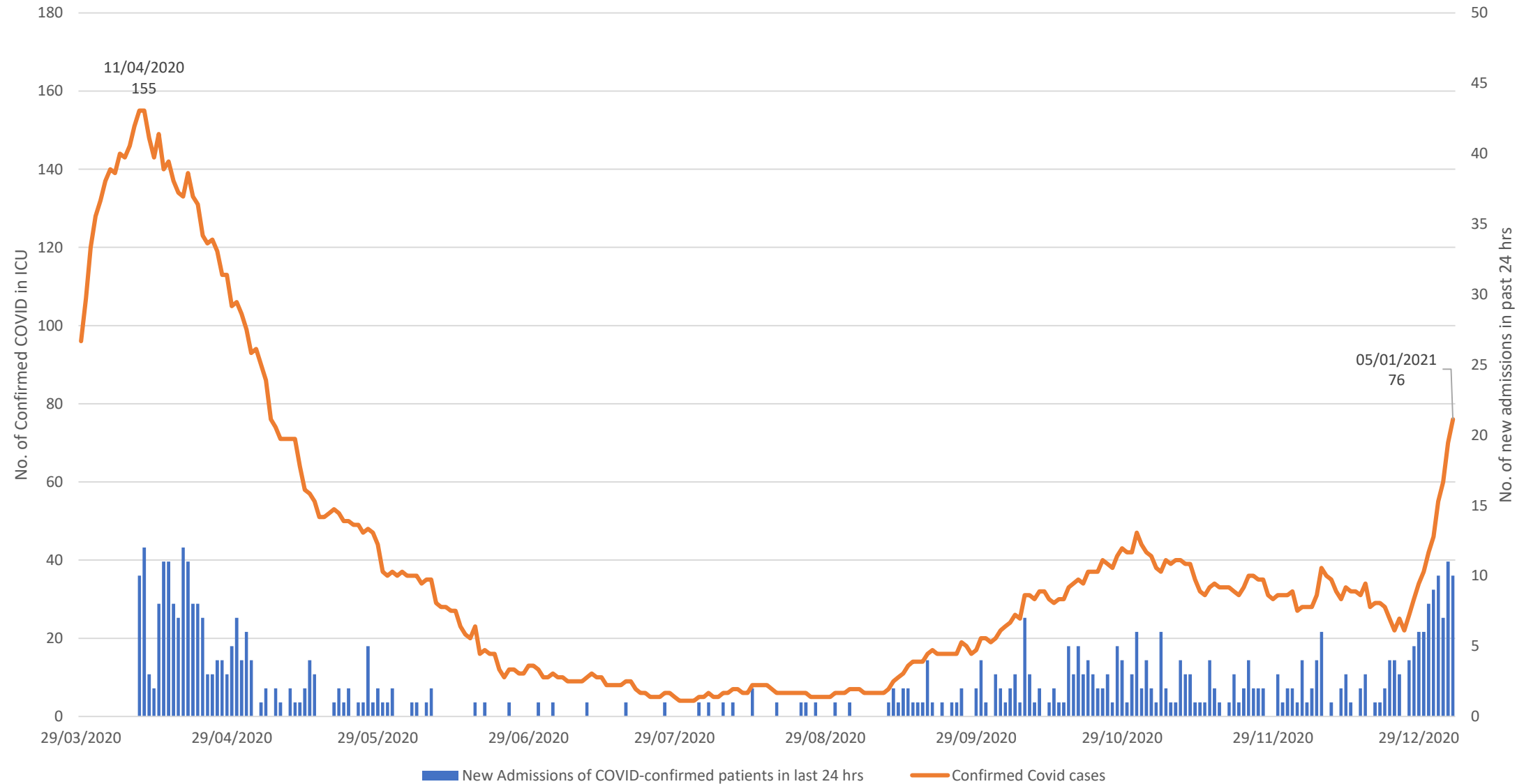Data from HSE PMIU-SDU, 8am census.

Total No. of Confirmed Covid Cases in ICU at 11.30AM &
No. of New Confirmed Covid Admissions to ICU in past 24 hrs since 01/09/20
(includes all reporting public and private hospitals and may differ from no. reported by HSE in public hospital ICUs)
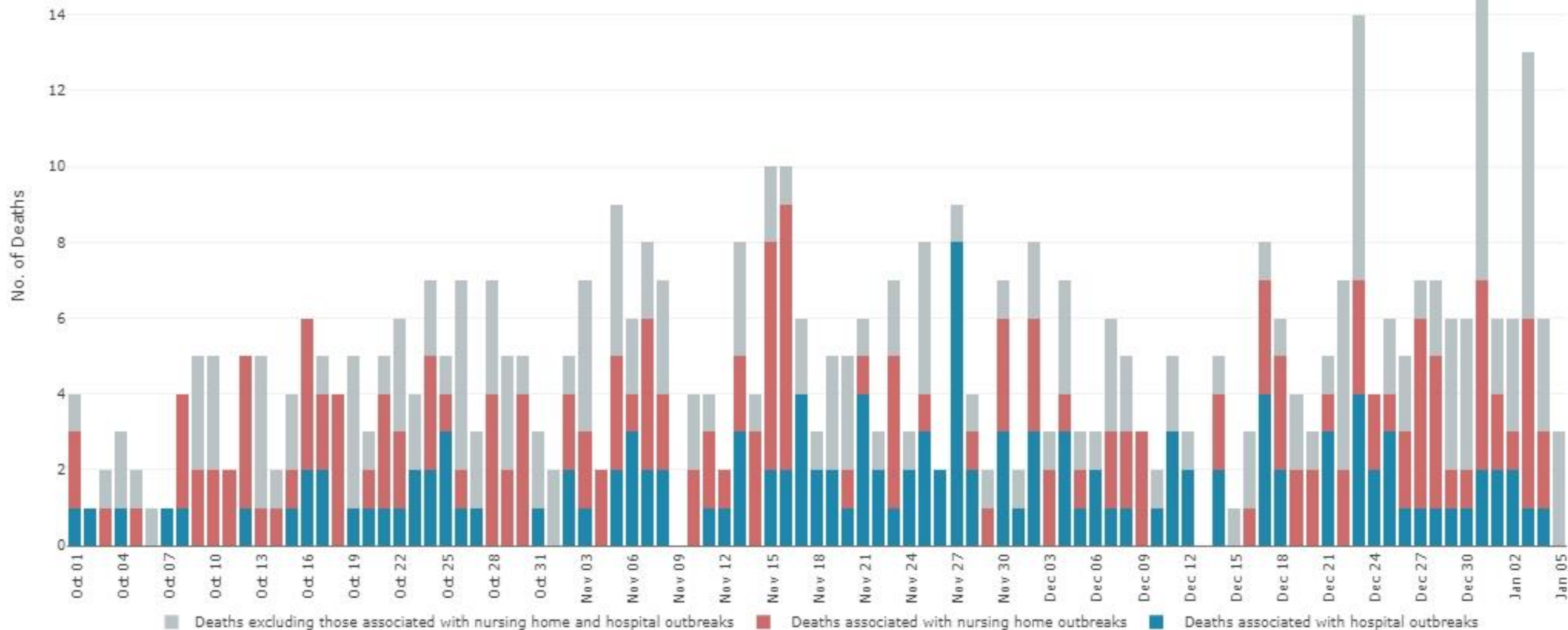

Admissions of Covid-19-confirmed patients in last 24 hrs — Confirmed Covid-19 Cases in Unit

7-day Moving Average Confirmed Cases

Updated to 11.30AM 05/10/2021

Confirmed Cases in ICU: Daily count of number of COVID-19 confirmed cases in public and private hospital ICUs.
New Covid admissions: New COVID-19 confirmed admissions to ICU and new laboratory confirmations of suspected cases in ICU.
Morning census from NOCA, ICU-BIS

No. of confirmed COVID cases in ICU at 11.30AM and
No. of new admissions in past 24 hrs

11/04/2020
155

05/01/2021
76

No. of Confirmed COVID in ICU

No. of new admissions in past 24 hrs

New Admissions of COVID-confirmed patients in last 24 hrs — Confirmed Covid cases

Updated to 11.30AM 05/10/2021

Confirmed Cases in ICU: Daily count of number of COVID-19 confirmed cases in public and private hospital ICUs.
New Covid admissions: New COVID-19 confirmed admissions to ICU and new laboratory confirmations of suspected cases in ICU.
Morning census from NOCA, ICU-BIS

Deaths

Deaths by Date of Death

Source: HPSC CIDR Extract 060121

Outbreaks & Clusters

An Roinn Sláinte | Department of Health

COVID-19 outbreaks by key outbreak locations, week 53 and overall, 2020 Ireland

Note: Due to the recent surge in case numbers, the number of outbreaks and linked cases in week 53 are likely an underestimate

- Since March 1st 2020, 10,742 outbreaks have been notified to CIDR
- In week 53, 154 outbreaks were notified; 49 in private houses, 105 in other locations

Key outbreak locations	Week 53	Weeks 10-31	Weeks 32-53
Workplace	11	51	304
Direct Provision Centre	1	21	21
Vulnerable groups*	1	19	98
Prisons	0	6	3
Nursing Home/Community Hospital	13	301	145
Acute hospitals	23	103	141
School^	11	0	295
Childcare facility	5	0	107

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

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

Data source: CIDR January 2nd 2021– data to midnight 02/01/2021

Weekly Summary

Note: Due to the recent surge in case numbers, the number of outbreaks and linked cases in week 53 are likely an underestimate

- **Total** number of outbreaks week 53 n=154 compared with week 52 n=215
- **Vulnerable groups**
  - Two new outbreaks in week 53
  - One new Irish Traveller outbreaks -no linked cases
  - One new outbreak in a DPC with 9 linked cases
- **Workplace outbreaks**
  - Eleven new outbreaks in week 53 – 22 linked cases
  - Largest open outbreak – meat factory with 72 linked cases
- **Residential institution outbreaks**
  - 97 outbreaks in residential institutions with 455 linked cases since week 32
  - 22 outbreaks are 'open' with 73 linked cases
  - Seven new outbreaks - 2 linked cases

- **Nursing Homes & Community Hospitals**
  - 71/446 outbreaks remain open with 1031 linked cases
  - Twenty-three new outbreaks with 62 linked cases since last week's report
  - One new outbreak has 26 linked cases already
- **Acute hospitals**
  - 76 open outbreaks involving 25 hospitals, 1,111 linked cases (range 1-138)
  - Twenty-three new outbreaks in week 53 with 46 linked cases
- **Schools**
  - 11 new outbreaks in week 53 with 29 linked cases
- **Childcare facilities**
  - Five new outbreaks in week 53 with 12 linked cases
  - One outbreak – 6 linked cases

Outbreaks in vulnerable groups - Summary August 2nd 2020 – January 2nd 2021

Vulnerable populations	Number of outbreaks notified					Laboratory confirmed cases linked to outbreaks (week 32-53)				
	Week 53	Week 53 outbreaks: Range in no. of cases#	Week 32-53	Number open	Open outbreaks: Range in no. of cases#	Cases notified in week 53	Total cases	Total hospitalised cases	Total ICU cases	Total number of deaths*
Roma community	0	n/a	9	7	3-74	0	149	9	3	0
Irish Travellers	1	n/a	80	45	0-66	0	1193	53	4	0
Direct provision centres	1	9	21	7	2-29	0	158	2	0	0
Homeless^	0	n/a	7	1	2-2	0	15	5	1	2
People with addictions	0	n/a	2	0	n/a	0	33	0	0	0
Prisons	0	n/a	3	1	9	0	33	0	0	0
Total	**2**	**0-9**	**122**	**61**	**0-74**	**0**	**1581**	**69**	**8**	**2**

^ Homeless facilities include some facilities that provide long term supported accommodation. Also includes staff of homeless facilities.

*All COVID-19 cases that died and were linked to outbreaks in these settings have been laboratory confirmed. No deaths in probable/possible cases linked to outbreaks in these settings have been notified.

#n/a is used where there were no outbreaks in a category or where there are no confirmed cases currently linked to any outbreak in that category (see technical note 6)

- Between weeks 32-53, a total of 1581 confirmed cases linked to 122 notified outbreaks in vulnerable populations
- Two new outbreaks in week 53 – One in Irish Travellers with no linked cases and one in a DPC with 9 linked cases
- Sixty-one outbreaks remain 'open'
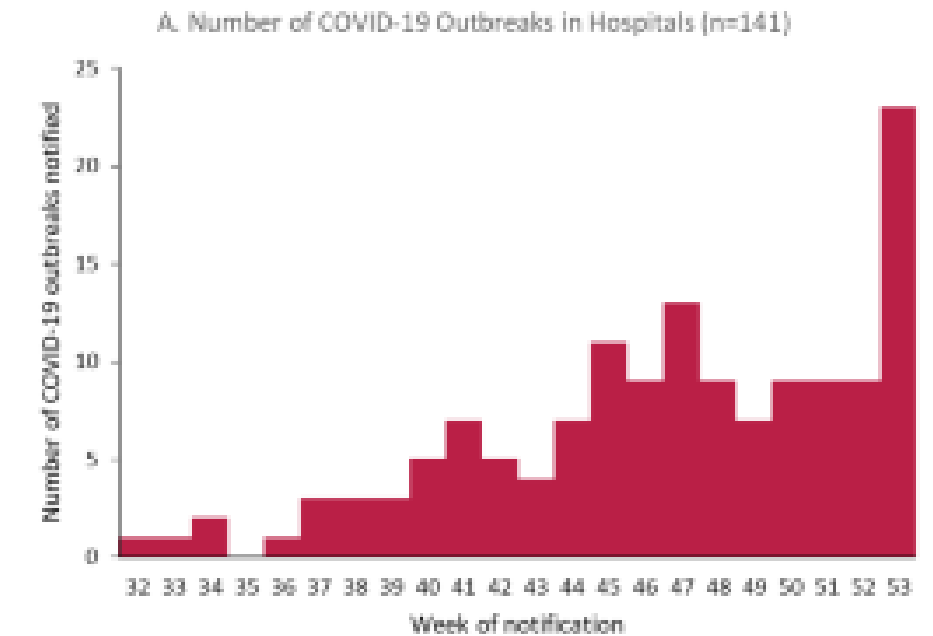- Open outbreaks range in size from 0-74 cases

Data source: CIDR January 5th 2021– data to midnight 02/01/2021

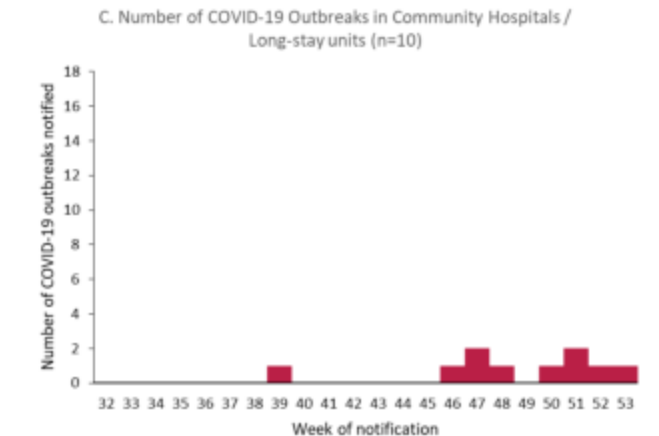# Acute Hospital Outbreaks – Summary August 2nd 2020 –January 2nd 2021

Table 5: Number of COVID-19 outbreaks and cases in acute hospital settings in Ireland, from 02/08/2020 to midnight on 02/01/2021. *Data source: CIDR*

Outbreak location: Acute Hospitals	Number of outbreaks notified					Laboratory confirmed cases linked to outbreaks (week 32-53)			
	Week 53	Week 53 outbreaks: Range in no. of cases	Week 32-53	Number open	Open outbreaks: Range in no. of cases	Cases notified in week 53	Total cases	Total ICU cases	Total number of deaths
	23	0-18	141	76	0-138	101	1717	35	135

- Between weeks 32-53, a total of 1,717 confirmed cases linked to 141 notified outbreaks in acute hospitals

- 23 new outbreaks were notified in week 53 with 46 linked cases

- 76 outbreaks remain 'open' with 1111 linked cases

- Open outbreaks range in size from 0-138


A. Number of COVID-19 Outbreaks in Hospitals (n=141)

Nursing Homes and Community Hospital/Long Stay Units: Summary August 2nd 2020 – January 2nd 2021

Outbreak location	Number of outbreaks notified					Laboratory confirmed cases linked to outbreaks (week 32-53)				
	Week 53	Week 53 outbreaks: Range in no. of cases#	Week 32-53	Number open	Open outbreaks: Range in no. of cases#	Cases notified in week 53	Total cases	Total hospitalised cases	Total ICU cases	Total number of deaths
Nursing home	22	0-26	135	64	0-82	65	2126	116	2	160
Community Hospital/Long-stay unit	1	6-6	10	7	1-54	4	97	3	0	3
Total	23	0-26	145	71	0-82	69	2223	119	2	163

#n/a is used where there were no outbreaks in a category or where there are no confirmed cases currently linked to any outbreak in that category (see technical note 6)

- Between weeks 32-53, a total of 2,223 confirmed cases were linked to 145 notified outbreaks in nursing homes and community hospitals/long-stay units

- 23 new outbreaks were notified in week 53 with 62 linked cases

- 71 outbreaks remain 'open' with 1031 linked cases

- Open outbreaks range in size from 0-82, five largest outbreaks have 72, 74, 80, 81 and 82 respectively

B. Number of COVID-19 Outbreaks in Nursing Homes (n=135)

C. Number of COVID-19 Outbreaks in Community Hospitals / Long-stay units (n=10)
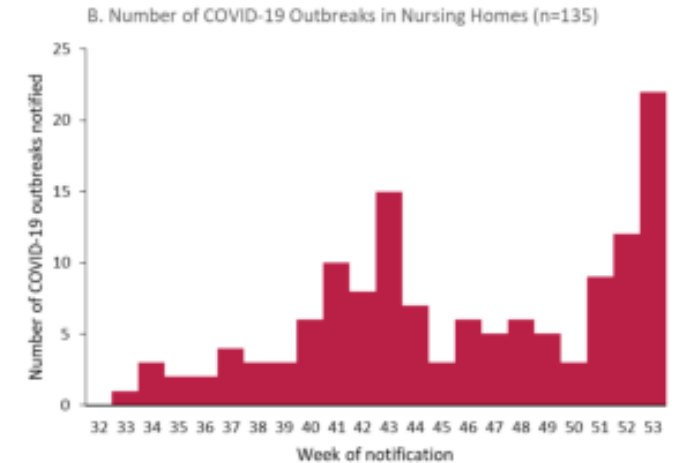
Data source: CIDR January 5th 2021
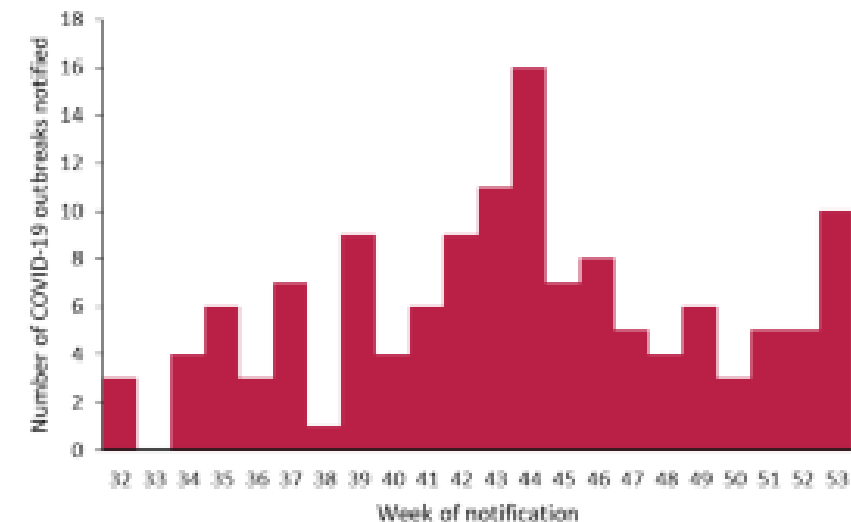*Data to midnight 02/01/2021

Residential Institution outbreaks - Summary August 2nd 2020 – January 2nd 2021

Outbreak location	Number of outbreaks notified					Laboratory confirmed cases linked to outbreaks (week 32-53)				
	Week 53	Week 53 outbreaks: Range in no. of cases#	Week 32-53	Number open	Open outbreaks: Range in no. of cases#	Cases notified in week 53	Total cases	Total hospitalised cases	Total ICU cases	Total number of deaths
Centre for disabilities	3	0-2	62	12	0-11	1	304	11	0	3
Children's / TUSLA residential centre	3	0-2	11	4	0-2	1	25	1	0	0
Mental health facility	0	n/a	10	1	n/a	0	77	4	0	0
Other	0	n/a	9	4	0-12	0	33	1	0	0
Not Specified	1	n/a	5	1	n/a	0	16	4	1	1
Total	**7**	**0-2**	**97**	**22**	**0-12**	**2**	**455**	**21**	**1**	**4**

#n/a is used where there were no outbreaks in a category or where there are no confirmed cases currently linked to any outbreak in that category (see technical note 6)

- Between weeks 32-53, a total of 455 confirmed cases linked to 97 notified outbreaks in residential institutions

- Seven new outbreaks in week 53 – three in disability centres with 11 linked cases and three in a Children's / TUSLA residential centre with 6 linked cases

- Twenty-two outbreaks remain 'open' with 73 linked cases

- Open outbreaks range in size from 0-12 cases

D. Number of COVID-19 Outbreaks in Residential Institutions (n=132)

Data source: CIDR January 5th 2021
*Data to midnight 02/01/2021

Outbreaks associated with school children and staff, childcare facilities and third level students - Summary August 2nd 2020 –January 2nd 2021

Outbreak location	Number of outbreaks notified					Laboratory confirmed cases linked to outbreaks (week 32-53)				
	Week 53	Week 53 outbreaks: Range in no. of cases#	Week 32-53	Number open	Open outbreaks: Range in no. of cases#	Cases notified in week 53	Total cases	Total hospitalised cases	Total ICU cases***	Total number of deaths
School*	11	0-5	295	109	0-48	15	1234	8	0	0
University/college/third level students**	0	n/a	90	33	2-190	0	1006	12	0	0
Childcare facility	5	0-6	107	30	0-22	4	529	3	1	0
Total	16	0-6	492	172	0-190	19	2769	23	1	0

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

**These outbreaks also include outbreaks among third level students that may have occurred in other locations, such as private houses or social gatherings, and may not be directly linked to a University/college location

***Case admitted to ICU is an adult

#n/a is used where there were no outbreaks in a category or where there are no confirmed cases currently linked to any outbreak in that category (see technical note 6)
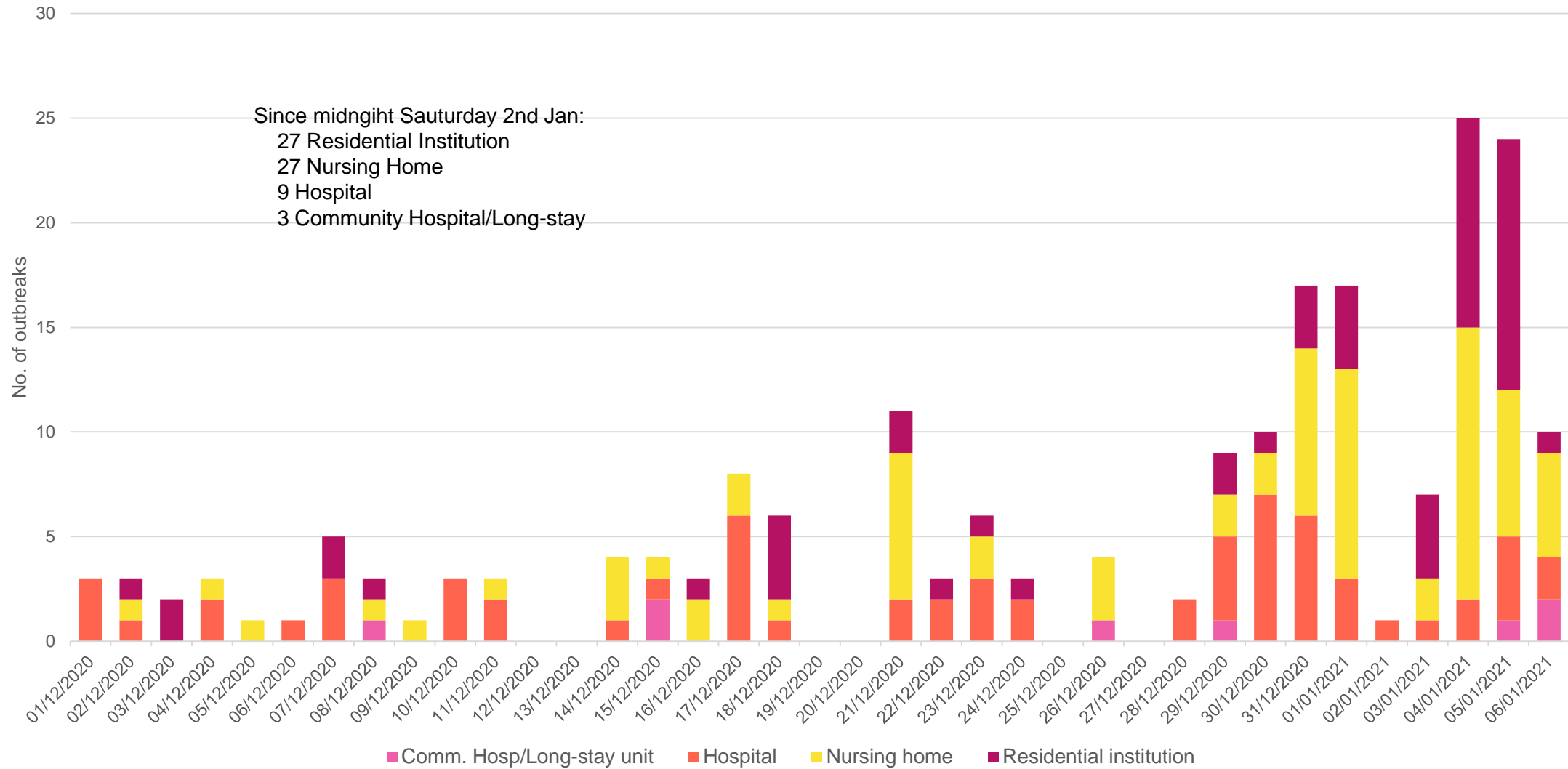
- Between weeks 32-53, a total of 2769 confirmed cases linked to 492 notified outbreaks in schools, childcare facilities (CCFs) and third level students
- Sixteen new outbreaks in week 53 – 11 in schools with 29 linked cases and five in CCFs with 12 linked cases
- 172 school and CCF outbreaks remain 'open' with 1270 linked cases

Data source: CIDR January 5th 2021
*Data to midnight 02/01/2021

Acute Hospitals and Residential Care Facilities
No. of new outbreaks created by date outbreak created (as of 16.00, 06/01/21)

Since midngiht Sauturday 2nd Jan:
27 Residential Institution
27 Nursing Home
9 Hospital
3 Community Hospital/Long-stay

Comm. Hosp/Long-stay unit Hospital Nursing home Residential institution

Updated 06/01/2021
Source: HPSC Outbreak Line Listing

Test & Trace Update

Testing and contact tracing NPHET update

Testing

Over the past seven days, 29th Dec-4th Jan, there has been approximately 164,276 swabs taken for COVID-19 testing.

Of these:

- 120,635 (73%) of these were taken in the community

- 22,367 (14%) swabs were taken in acute settings.

- 21,367 (13%) swabs taken were taken as part of the Serial Testing programmes of staff in residential care facilities and staff in food production facilities.

Contact Tracing

From 29th Dec– 4th Jan, a total of 95,430 calls were made in the Contact Tracing Centres. Over the past seven days, the average number of close contacts per case was 4.8, compared to 5 in the previous week.

Source: HSE

Turnaround Times (29th Dec– 4th Jan)

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 **2 days.**

- The median turnaround time for time, from referral to communication of a **detected result** by SMS, in community settings was **2 days.**

- The median end-to-end turnaround time, from referral to the end of contact tracing, for **detected cases** in the community setting was **2.9 days.**

Overall Swab to laboratory result communicated – Medians: 25 hours in Acute , 28 hours in Serial Testing, 28 hours in Community

Referral to appointment

In the community, the median time from referral to appointment was 0.8 days.

72.7% of GP referrals are provided with a COVID-19 test appointment within 24 hours.

Contact Tracing:

The median time to complete all calls, from the 29th Dec– 4th Jan was 0.9 days.

Source: HSE

CMP close contact update
(week ending 3rd Jan)

- The number of close contacts during week ending 3rd Jan was 81,523, a 144% increase compared to the previous week (33,390). 84% (68,208) of these contacts had been informed of their close contact status by time of CMP report preparation.

- Of those referred for testing with an appointment 28th-31st Dec 71% of those referred for Test 1 attended.

- The positivity rate for Test 1 was 20% for results returned.

- The number of complex contact settings remained stable at 4,166 for the week ending 3rd January.

Source: CMP Close Contact Report – HSE (14/12-20/12)

*Note: Circumstances of Contact with fewer than 5 positive results are indicated by an *. Further details can be found in Appendix 3 of relevant report*

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

Source:

COVID-19
GP Community Tracker

GP Buddy.ie   Trinity College Dublin *The University of Dublin*   ICGP
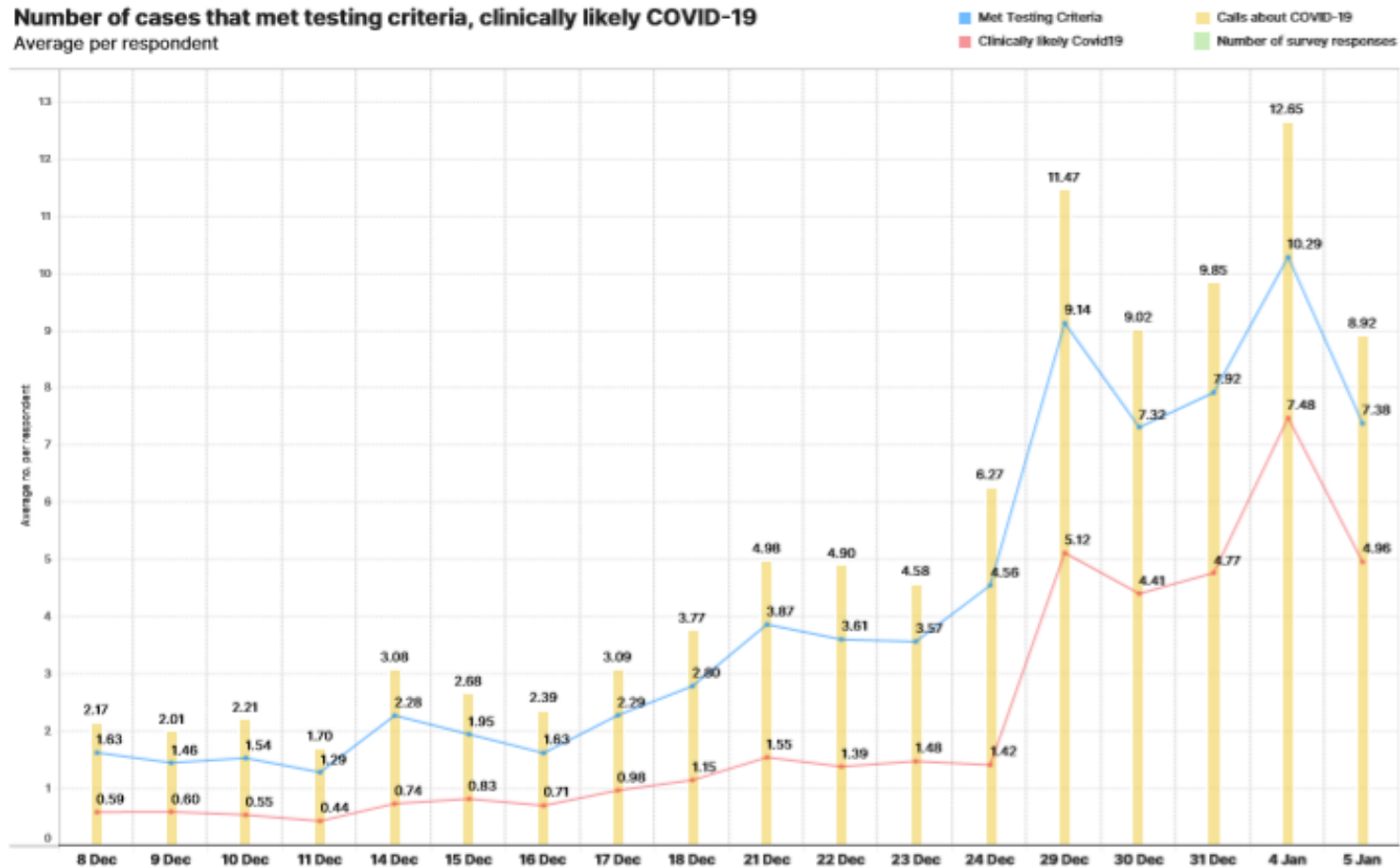
21st December 2020

McKeogh S, Creane D, Moe K, Ó Ciardha D. Powered by: **MEDVAULT**

Date range: 23rd November to 18th December 2020 (last 4 weeks)

Sentinel GP ILI consultation rates per 100,000 population & number NVRL influenza positive specimens by week
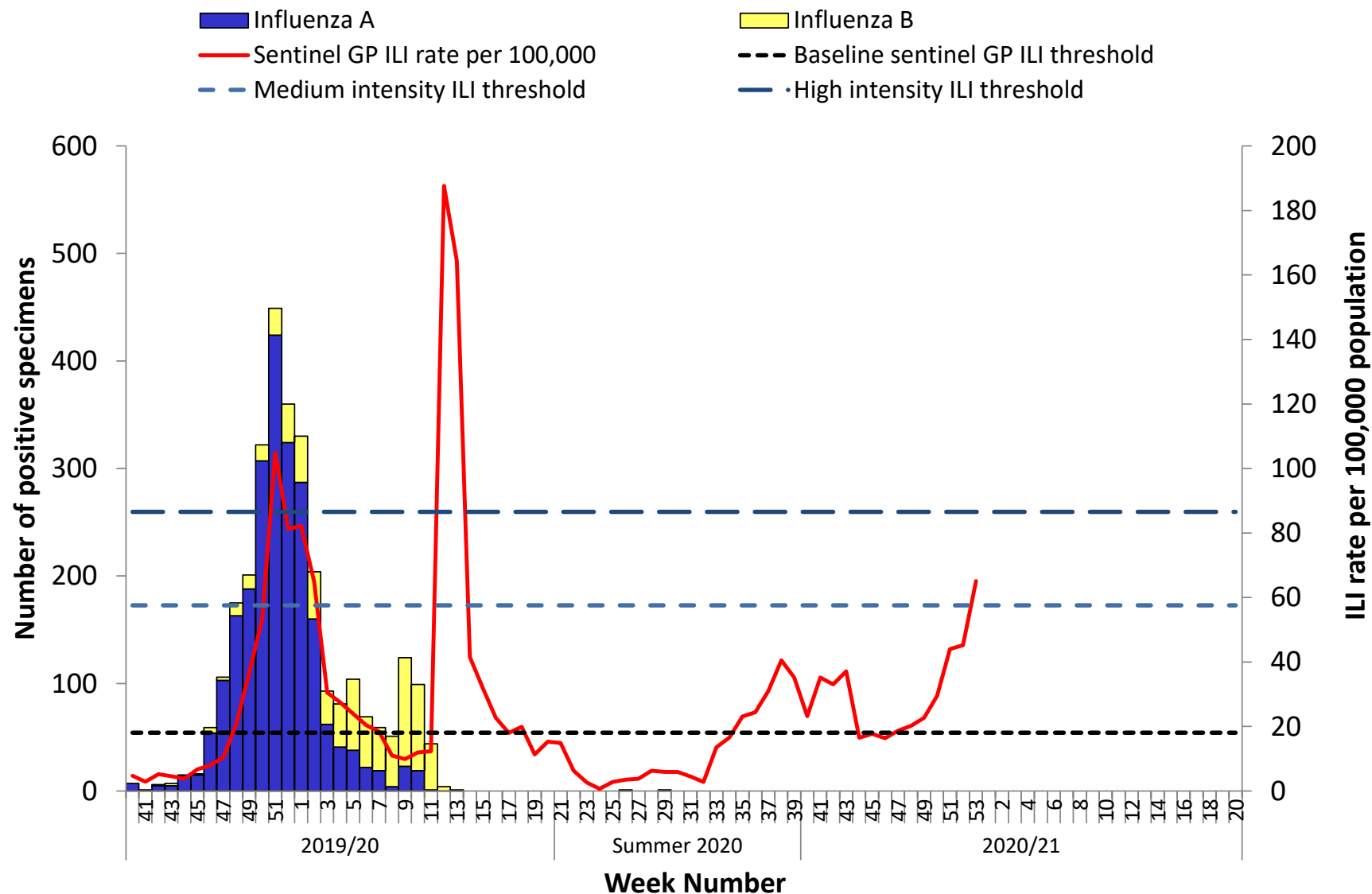
7 and 14 day Incidence rates for Ireland and Northern Ireland
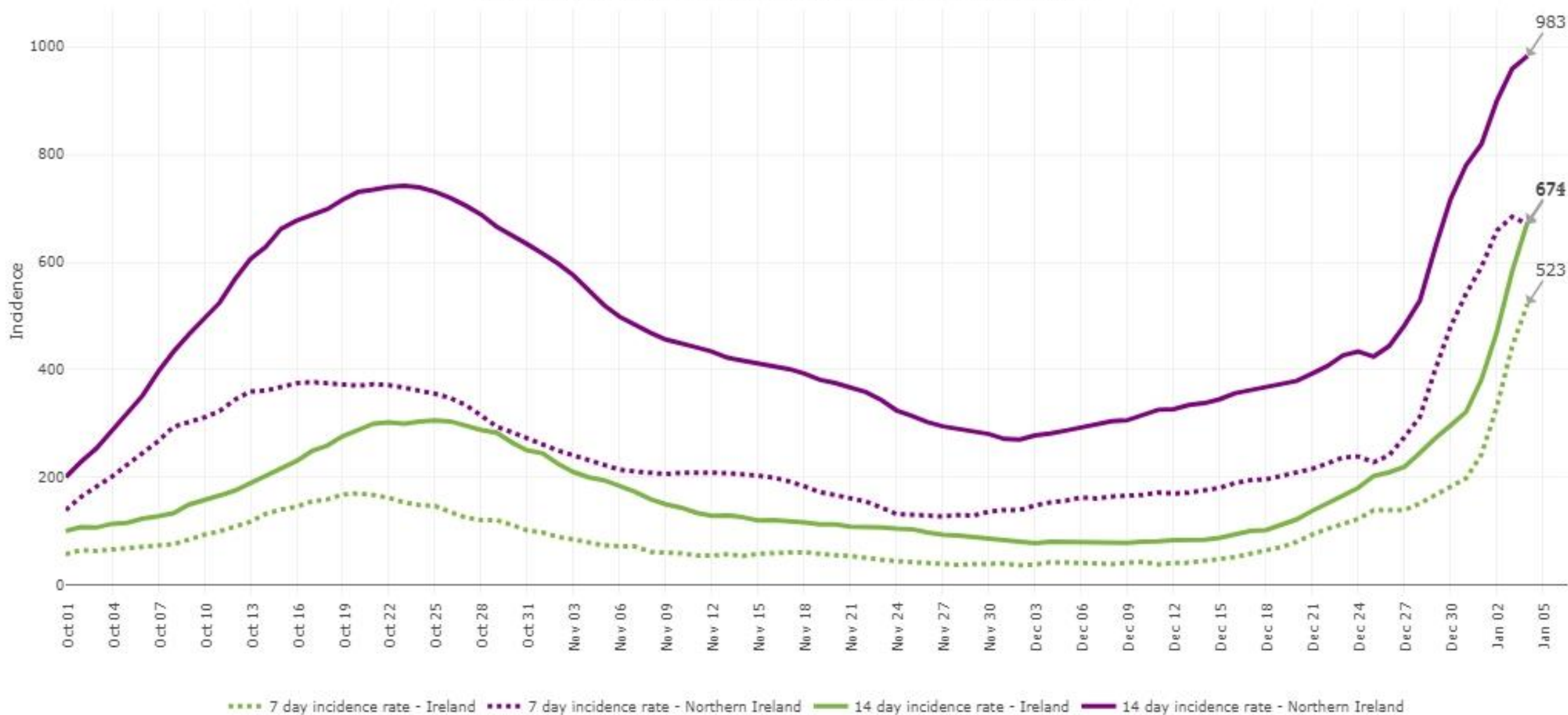
- ····· 7 day incidence rate - Ireland
- ····· 7 day incidence rate - Northern Ireland
- ——— 14 day incidence rate - Ireland
- ——— 14 day incidence rate - Northern Ireland

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

Source: HPSC CIDR Extract 060121 and health-ni.gov.uk daily data 05/01/20.

14 day Incidence rates for Ireland (excl border counties), Northern Ireland, and Border Counties (Cavan, Donegal, Monaghan & Louth)
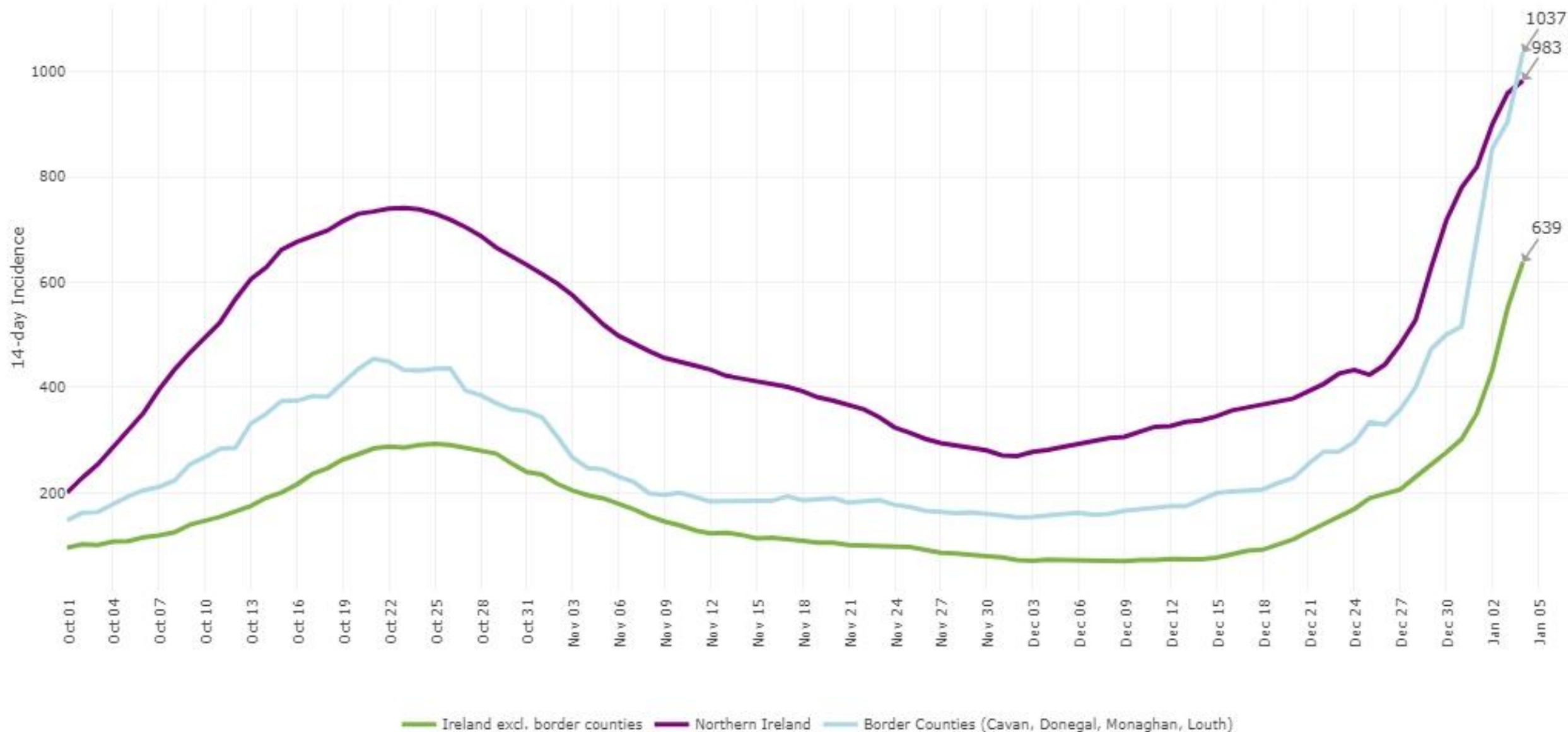
Legend: Ireland excl. border counties — Northern Ireland — Border Counties (Cavan, Donegal, Monaghan, Louth)

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

Source: HPSC CIDR Extract 060121 and health-ni.gov.uk daily data 05/01/21.

Laboratory Completed Tests during Last 7 Days (30 Dec 2020 - 5 Jan 2021) by LGD

Local Government District	+ve Cases Last 7 Days	Last 7 Day Rate per 100K	Individuals Tested Last 7 Days
Antrim and Newtownabbey	913	639.9	4,102
Ards and North Down	546	339.4	3,482
Armagh City, Banbridge and Crai...	1,848	864.8	6,837
Belfast	1,850	542.2	9,751
Causeway Coast and Glens	699	484.5	3,262
Derry City and Strabane	1,013	672.3	4,798
Fermanagh and Omagh	625	535.0	3,411
Lisburn and Castlereagh	663	456.7	3,619
Mid and East Antrim	767	553.4	3,295
Mid Ulster	1,369	928.0	4,963
Newry, Mourne and Down	1,557	864.1	6,329
Not Known	294		1,832
Total	**12,144**	**645.4**	**55,681**

Monaghan 1321 - 1639

Donegal 721 – 1052
Cavan 801 – 1013

Louth 1204 – 1529

Positive Cases in last 7 Days per 100K Pop. by Postal District (28 Dec 20 - 3 Jan 21)

Map Legend
- < 100 per 100k pop.
- 200 - 299 per 100k pop
- 300 - 399 per 100k pop
- 400 - 499 per 100k pop
- > 500 per 100k pop.
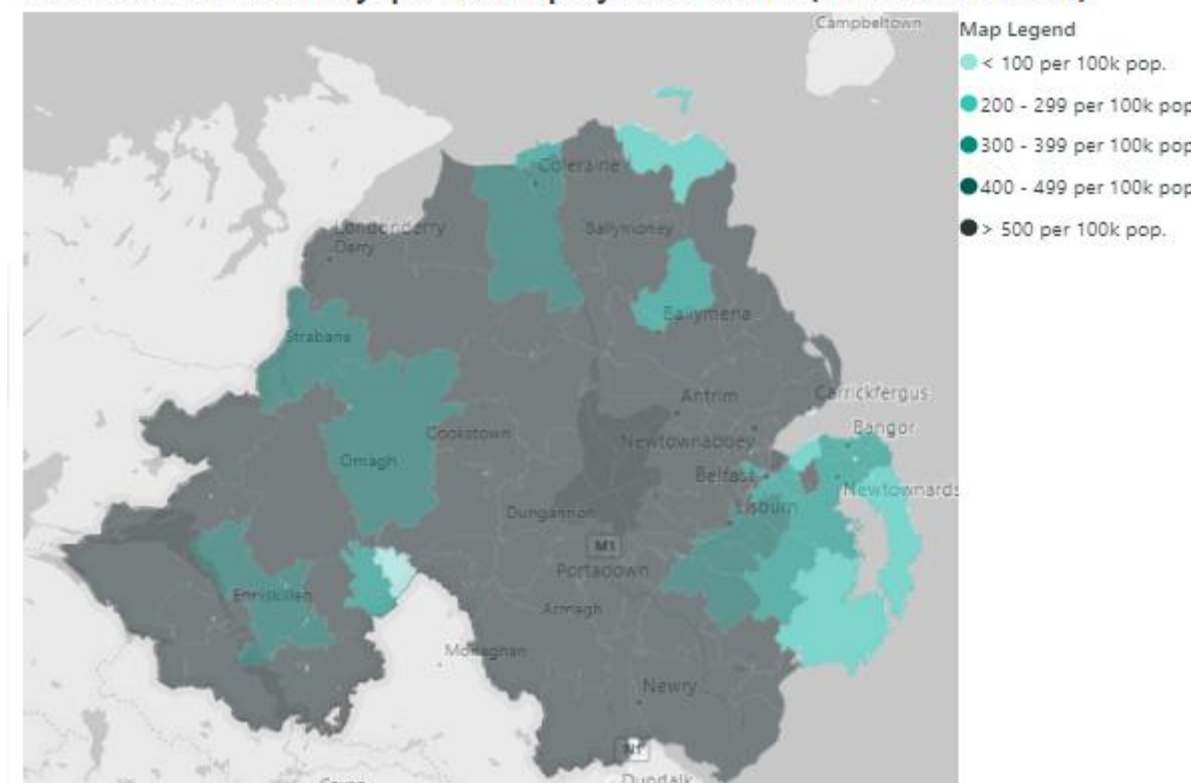
Growth in Cases & R number

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 progressive escalation of 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 is now decreasing rapidly; it is currently 3.0
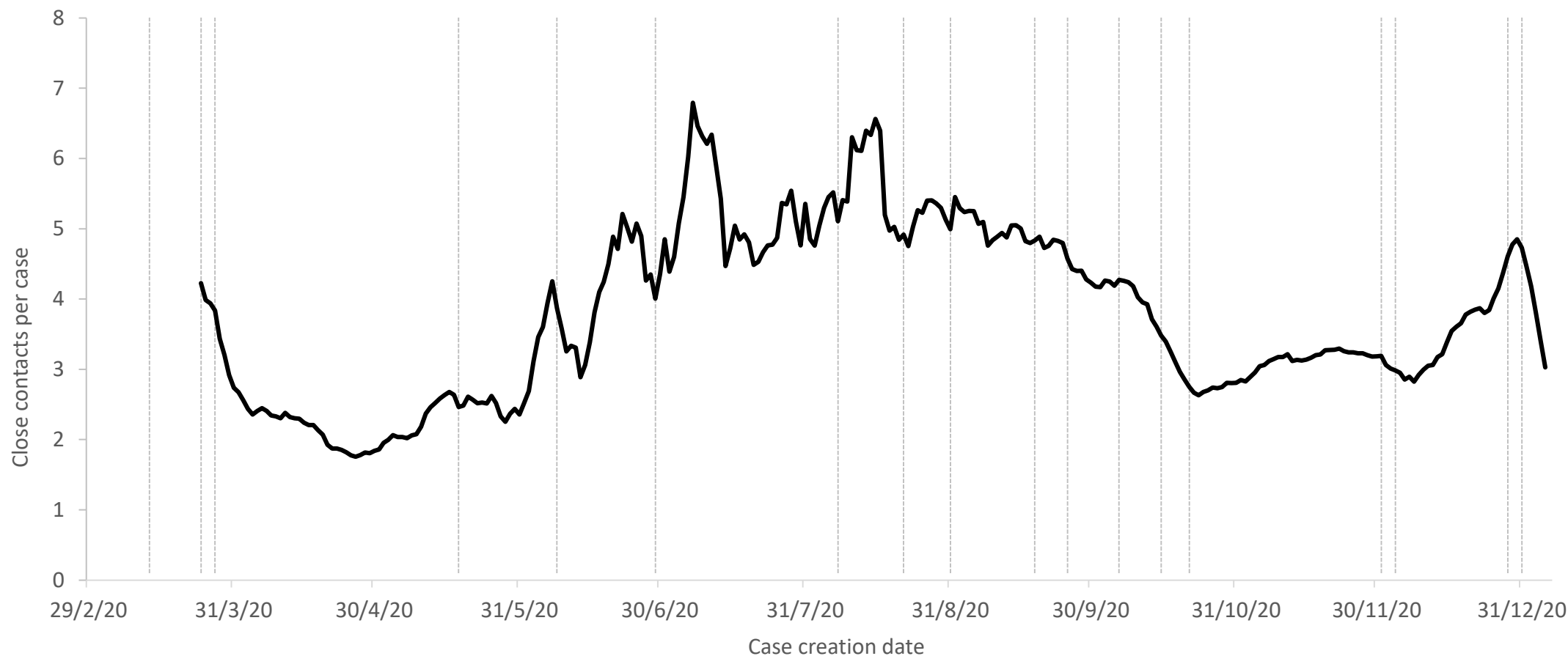
The average number of close contacts per confirmed case. Data from COVID-19 Care Tracker (CCT). Cases dated by case creation date. Cases (but not contacts) aged 18 and younger are excluded. Data are 7-day trailing averages except for the months of June – August where a 21-day trailing average is used due to very low case counts.

Growth rate for case numbers

When the pandemic in Ireland grew very rapidly in early March, at over 30% per day. The national restrictions introduced in late March suppressed transmission, with daily incidence decreasing at -5% to -10% per day. This was sustained until the end of June, after which case numbers started to grow, on average at 4% to 5% per day. A period of very rapid growth can be seen in early August associated with the outbreaks in Kildare-Laois-Offaly. Level 3 measures in Dublin reduced growth rate to zero for a period (data not shown). Incidence decreased at -5% to -7% per day for the first three weeks of Level 5 measures, at a slower rate thereafter, and is now increasing by approximately 14% per day
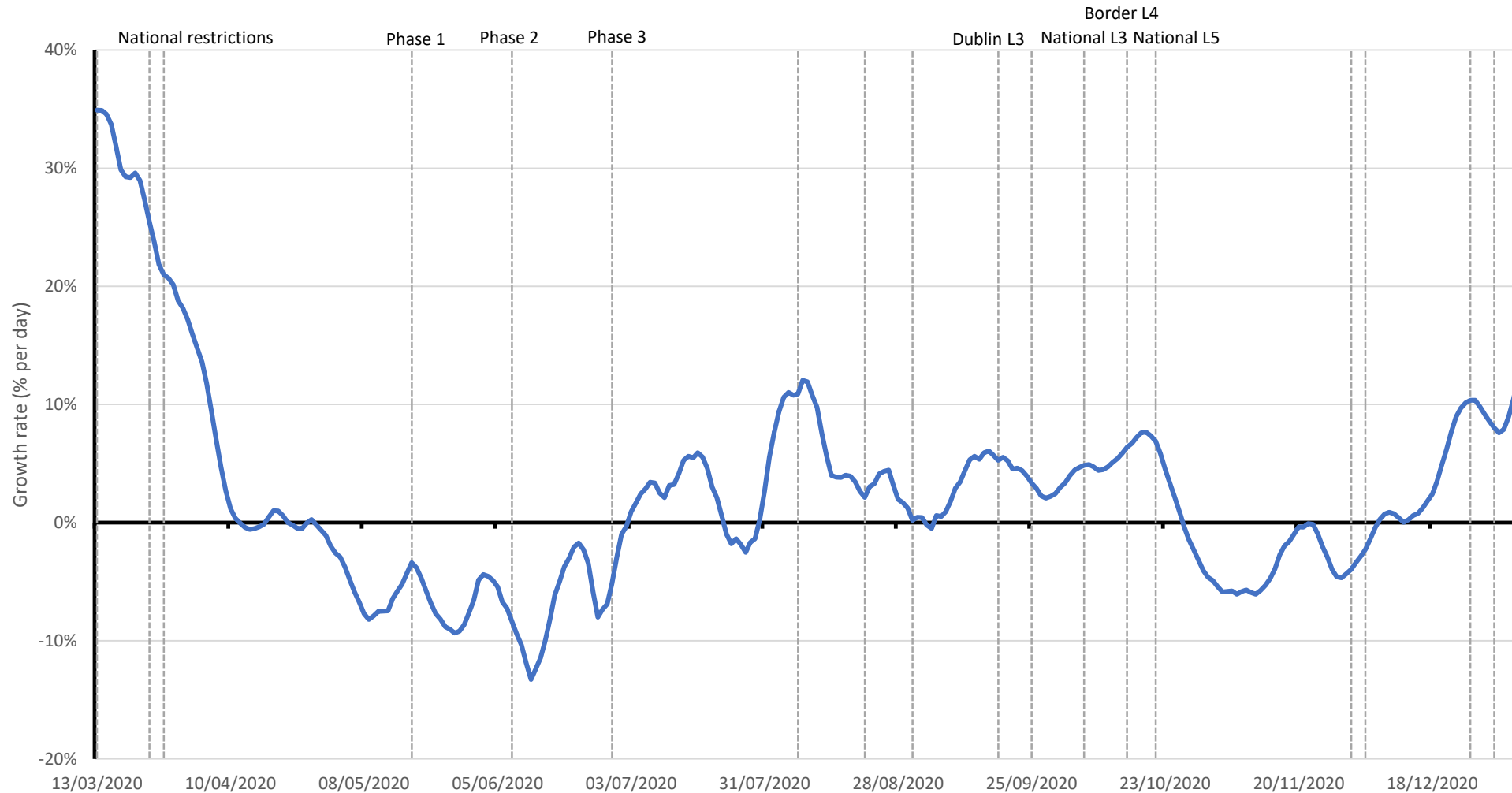
Growth rate calculated as the average growth rate over a 14-day trailing window; cases dated by notification (event) date.

Close contacts and growth rate

An increase in close contacts is associated with an increase in growth rate
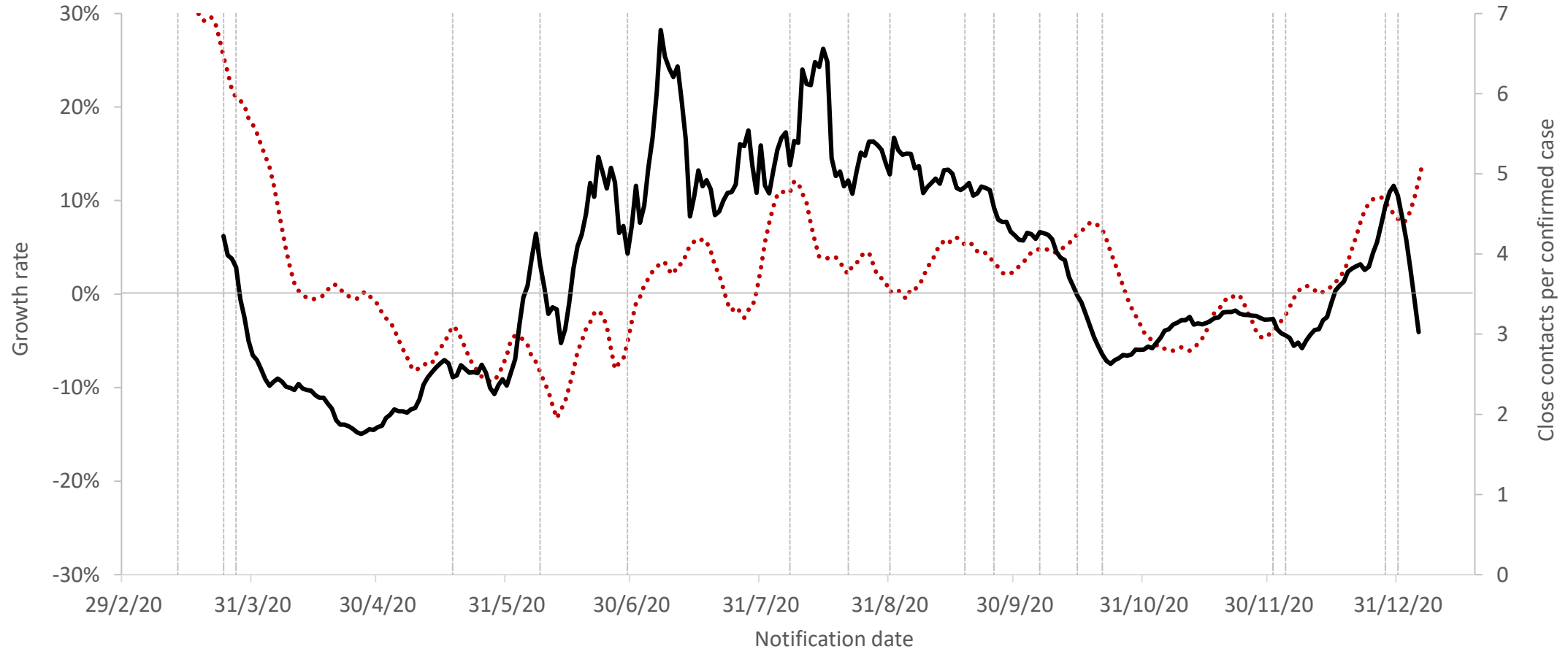
The average number of close contacts per confirmed case (black solid line) and growth rate in daily case numbers (red dotted line). Close contact data from COVID-19 Care Tracker (CCT) Cases dated by case creation date. Cases (but not contacts) aged 18 and younger are excluded. Data are 7-day trailing averages except for the months of June – August where a 21-day trailing average is used due to very low case counts. Growth rate calculated as the average growth rate over a 14-day trailing window with cases dated by notification (event) date

Estimates of effective reproduction number (R)

Reproduction number is extremely high, currently estimated at 2.4 to 3.0; this estimate has increased significantly over the last week.
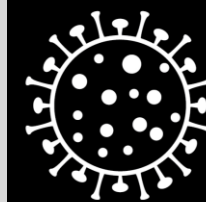
Method	Estimate	95% confidence interval
SEIR model-inferred	2.92	2.2 – 4.0
Bayesian model	2.95	2.14 – 4.10
Time-dependent R	1.64	1.50 – 1.80
GAM estimate 28 Dec 2020	1.96	1.64 – 2.28
GAM estimate 5 Jan 2021	2.44	1.85 – 3.02

Estimates generated 6 January 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.

Situation analysis 6 January 2021

- The level of infection has increased rapidly in recent weeks
  - Cases (5-day average) 5525 cases per day; 14-day incidence 819 per 100,000
  - Growth rate 12%-14% per day over last 14 days
  - Reproduction number 2.4 – 3.0
  - Incidence very high across all age groups, especially young adults
    - Incidence in those 65 and older remains high and a cause for concern
    - Incidence in those aged 18 and younger remains at or below population average

- Numbers in hospital and ICU increasing rapidly

- Very high growth rates suggest B.1.1.3 (UK) variant now playing a role in accelerating transmission

- Scenario models raise the possibility of 1500-2500 people in hospital, and 200-400 people in ICU by mid-January, if we do not act to radically reduce transmission and incidence

- The average number of close contacts of confirmed cases increased from 2.8 in early December to a peak of 4.7 on 28 December and is now falling rapidly (3.0 on 5 Jan)

- We must suppress transmission to protect each other from serious illness, and to protect our health services and healthcare workers.

European Data

An Roinn Sláinte | Department of Health

EU/UK ranked by 14 day percentage change (5th January)

EU/EEA and the UK	14 day incidence	Previous 14 day incidence	% change in 14 day incidence
Ireland	**649.97**	**132.57**	**390%**
United Kingdom	981.2	532.8	84%
Cyprus	822.47	538.65	53%
Czechia	1159.97	787.6	47%
Malta	334.74	274.27	22%
Spain	326.47	272.86	20%
Portugal	568.06	497.02	14%
Latvia	615.15	542.62	13%
France	291.55	279.64	4%
Slovenia	989.21	955.73	4%
Estonia	550.53	538.02	2%
Slovakia	657	659.13	0%
Italy	337.81	363.83	-7%
Netherlands	725.96	825.4	-12%
Sweden	795.2	908.06	-12%
Lithuania	1217.32	1430.12	-15%
Poland	306.55	365.54	-16%
Austria	305.28	379.24	-20%
Denmark	564.26	784.12	-28%
Germany	291.46	407.12	-28%
Belgium	203.85	298	-32%
Romania	257.29	385.27	-33%
Finland	63.19	98.81	-36%
Greece	86.57	138.01	-37%
Hungary	241.74	517.59	-53%
Bulgaria	160.02	375.71	-57%
Croatia	415.73	1034.55	-60%
Luxembourg	373.82	1011.7	-63%

**EU/UK ranked by 14 day incidence
(5th January)**

EU/EEA and the UK	14 day incidence	Previous 14 day incidence	% change in 14 day incidence
Lithuania	1217.32	1430.12	-15%
Czechia	1159.97	787.6	47%
Slovenia	989.21	955.73	4%
United Kingdom	981.2	532.8	84%
Cyprus	822.47	538.65	53%
Sweden	795.2	908.06	-12%
Netherlands	725.96	825.4	-12%
Slovakia	657	659.13	0%
Ireland	**649.97**	**132.57**	**390%**
Latvia	615.15	542.62	13%
Portugal	568.06	497.02	14%
Denmark	564.26	784.12	-28%
Estonia	550.53	538.02	2%
Croatia	415.73	1034.55	-60%
Luxembourg	373.82	1011.7	-63%
Italy	337.81	363.83	-7%
Malta	334.74	274.27	22%
Spain	326.47	272.86	20%
Poland	306.55	365.54	-16%
Austria	305.28	379.24	-20%
France	291.55	279.64	4%
Germany	291.46	407.12	-28%
Romania	257.29	385.27	-33%
Hungary	241.74	517.59	-53%
Belgium	203.85	298	-32%
Bulgaria	160.02	375.71	-57%
Greece	86.57	138.01	-37%
Finland	63.19	98.81	-36%

EU/UK ranked by 7 day percentage change (5th January)

EU/EEA and the UK	7 day incidence	Previous 7 day incidence	% change in 7 day incidence
Ireland	**503.93**	**146.04**	**245%**
Portugal	358.71	209.34	71%
Czechia	695.05	464.92	49%
United Kingdom	578.54	402.67	44%
Spain	190.44	136.03	40%
Slovakia	382.83	274.18	40%
Malta	191.83	142.91	34%
France	163.58	127.97	28%
Italy	188.77	149.05	27%
Cyprus	444.46	378.01	18%
Latvia	332.2	282.95	17%
Slovenia	532.24	456.97	16%
Poland	163.58	142.97	14%
Bulgaria	84.9	75.12	13%
Austria	159.54	145.74	9%
Hungary	125.77	115.97	8%
Finland	32.45	30.74	6%
Sweden	408.1	387.1	5%
Romania	131.11	126.18	4%
Estonia	276.43	274.1	1%
Germany	146.16	145.3	1%
Greece	42.95	43.61	-2%
Belgium	97.71	106.15	-8%
Lithuania	558.79	658.53	-15%
Croatia	189.85	225.88	-16%
Netherlands	331.27	394.69	-16%
Luxembourg	169.5	204.32	-17%
Denmark	247.9	316.36	-22%

European 14 incidence rates (05 January)

14 day incidence / % change in 14 day incidence

390%

--- % change in 14 day incidence

EU countries + UK
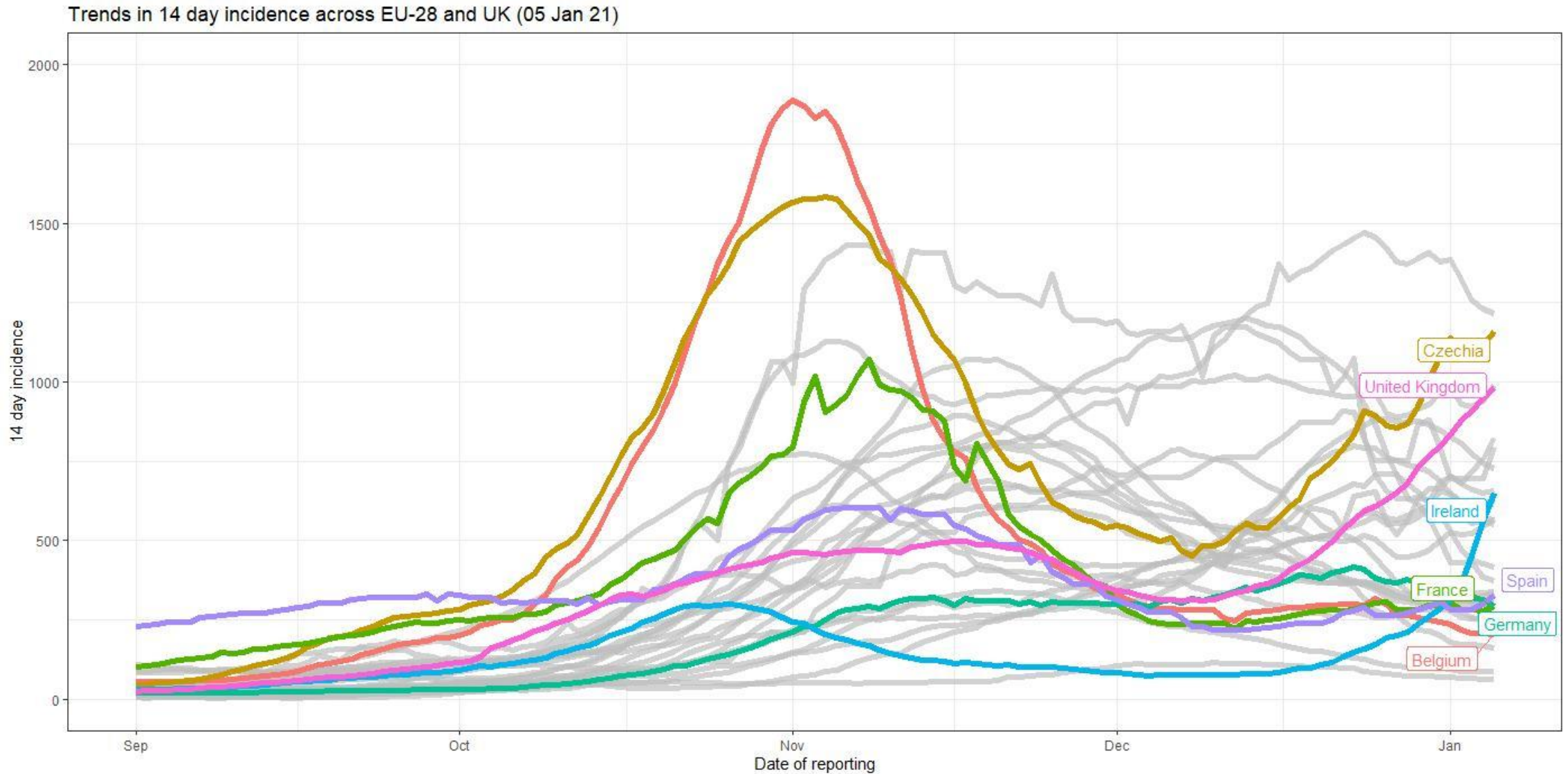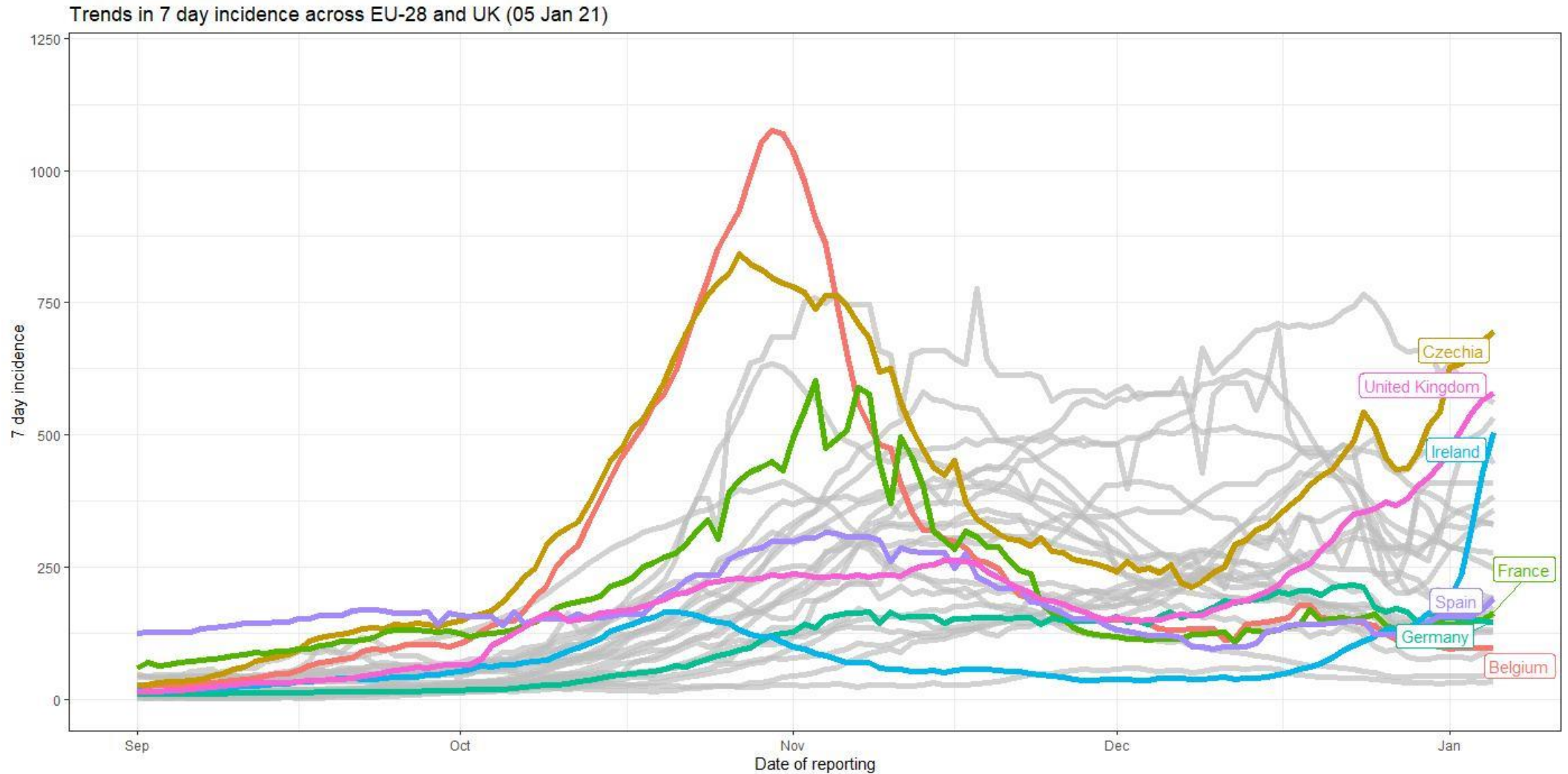
■ 14 day incidence ■ Previous 14 day incidence

- 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

| 14 day mortality rate | EU Country | 14 day case incidence |

Legend:
- Current 14 day mortality rate
- Highest mortality rate (September – January)
- Current 14 day case incidence
- Highest case incidence (September – January)

Updated 05 January
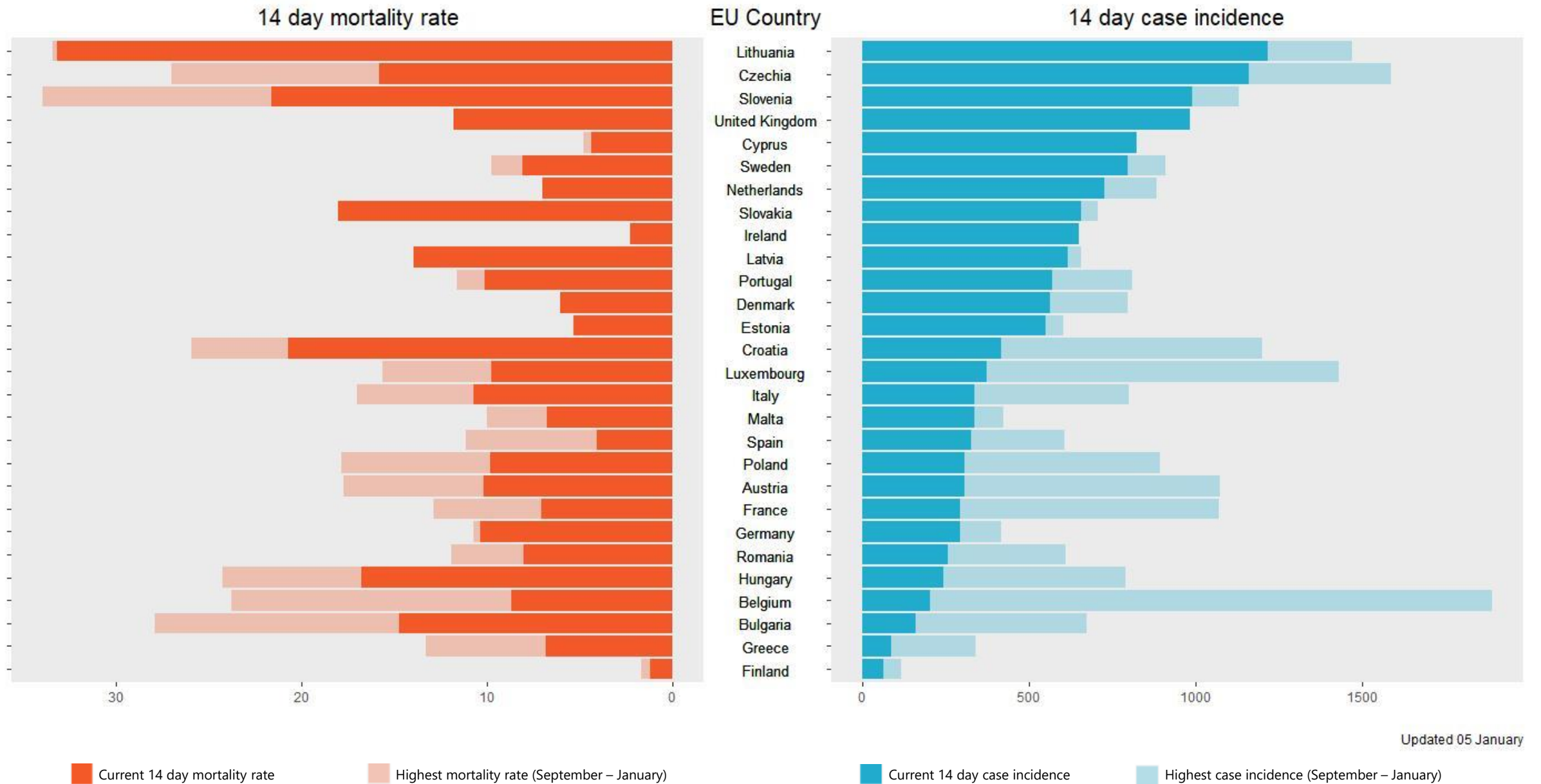
European trends since start September (14 day incidence)

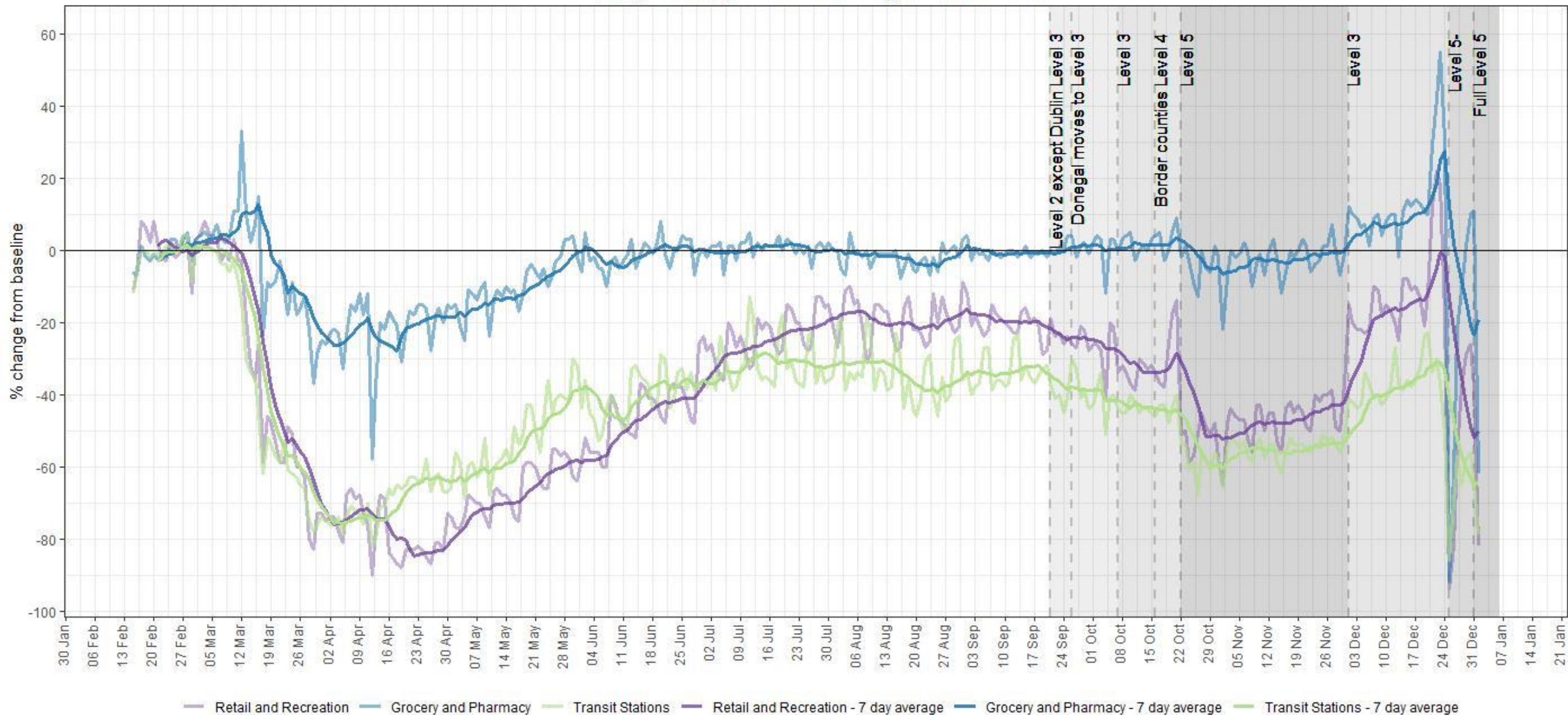Trends in 14 day incidence across EU-28 and UK (05 Jan 21)

- 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
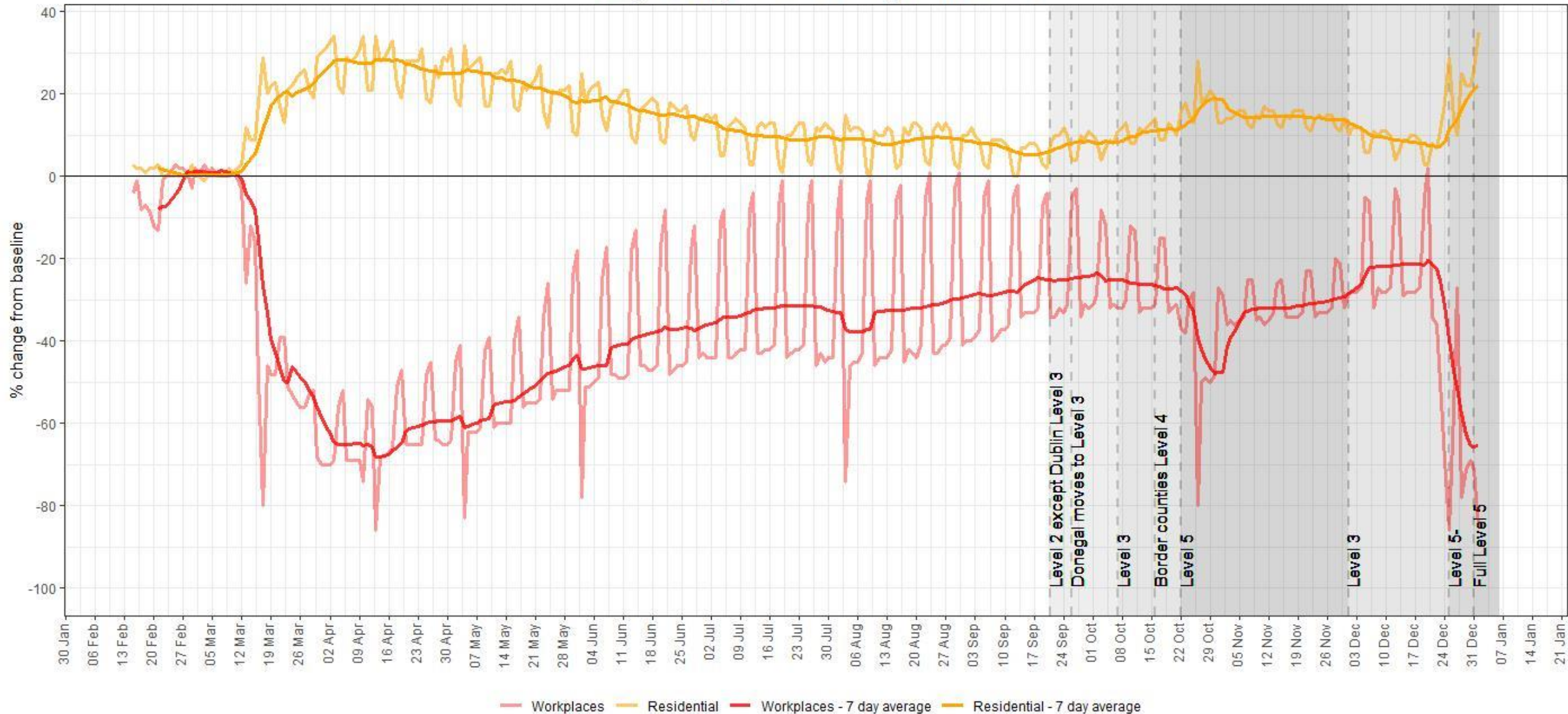
European trends since start September (7 day incidence)

Trends in 7 day incidence across EU-28 and UK (05 Jan 21)

Compliance Data

An Roinn Sláinte | Department of Health

Google Mobility Ireland - % change from baseline

Updated 01 January

Google Mobility Ireland - % change from baseline

% change from baseline

Level 2 except Dublin Level 3
Donegal moves to Level 3
Level 3
Border counties Level 4
Level 5
Level 3
Level 5-
Full Level 5

— Workplaces   — Residential   — Workplaces - 7 day average   — Residential - 7 day average

Updated 01 January

Apple Mobility Ireland - % change from baseline

Updated 04 January