Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on   14/09/2021

Reporting from the Computerised Infectious Disease Reporting (CIDR) recommenced on 02/09/2021. See link below for further details:

https://www.hpsc.ie/a-z/respiratory/coronavirus/novelcoronavirus/surveillance/recommencementofreportingfromcidr/

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 31/08/2021 up to midnight on 13/09/2021

	Number	Percent
Total number of confirmed cases	19,677	
National incidence of confirmed cases per 100,000 population	413.2	
Number of cases hospitalised*	311	1.58
Number of cases admitted to ICU*	25	0.13
Males	9,770	49.7
Females	9,884	50.2
M:F ratio	0.99	
Median age (years)	27	
Mean age (years)	30	
Age range (years)	0-103	

Note:This report will not include data on enhanced surveillance information such as most likely source of transmission and travel. These will now be reported on a weekly basis.

* The number of cases hospitalised and admitted to ICU described in the above table relate only to COVID-19 cases who were notified during this reporting period, and where the outcome is known at the time of reporting. It does not reflect all hospitalisations and ICU admissions related to COVID-19 which occurred during the period covered by the report. It also does not reflect the final number of cases hospitalised or admitted to ICU for these cases notified during this period as the outcome may not yet have occurred, or is yet to be notified.

On 14 May 2021 the HSE suffered a major cyber-attack on its IT systems. While HSE-HPSC and CIDR were not directly compromised by the cyber-attack, our surveillance partners (Departments of Public Health, laboratories, and others) were. As an interim measure after the cyber-attack, the reported daily number of COVID-19 cases was based on data uploaded to the HSE-CovidCare Tracker (CCT). The data extracted from CCT did not represent notified cases and had not undergone the extent of data validation which is undertaken by Departments of Public Health and HPSC. For this reason, the number of cases reported from CIDR for period affected by the cyber-attack (14th May-1st September) will differ from that previously reported based on CCT data.

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:00 on 14/09/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.
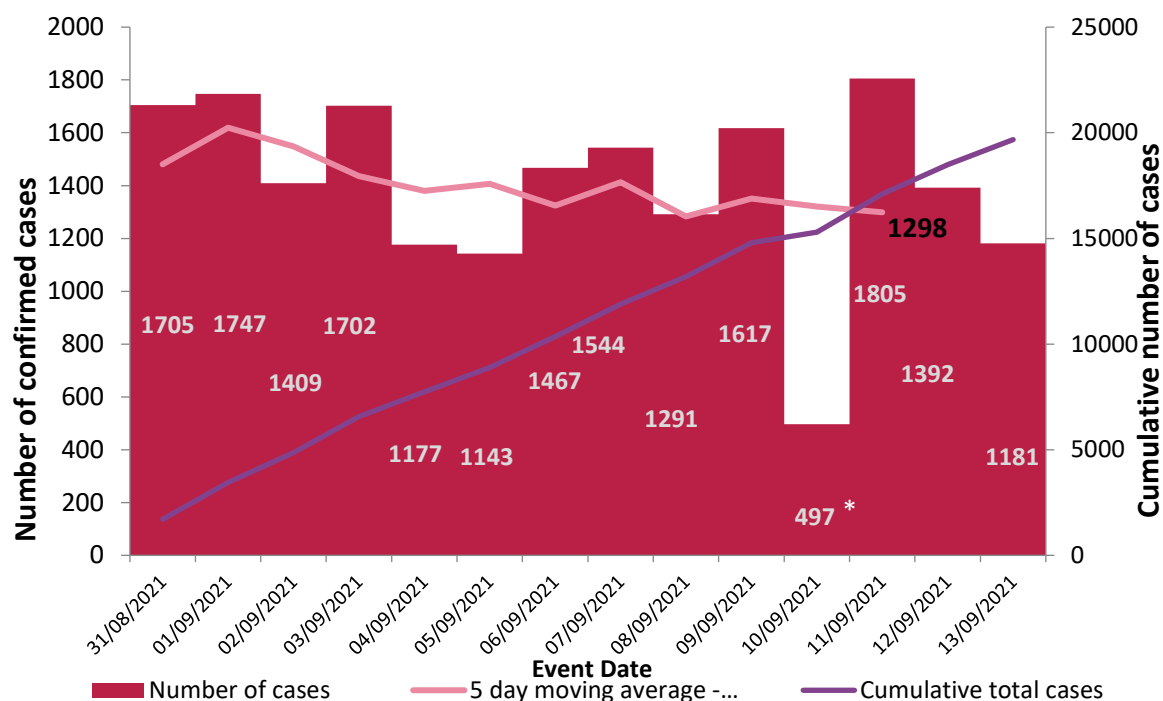
Figure 1a. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=19677)

* Due to an IT issue causing a delay in reporting, the number of COVID-19 cases notified on the 10/09/2021 is reduced, the case numbers in the days following (11-12th Sept) are inflated, when data are presented by notification date. Due to this IT issue, daily case numbers reported over the weekend were reported from CCT data.

Please note that due to recent reinstatement of reporting of COVID case numbers from CIDR, case counts may differ from prior reports- please follow link on cover for more details
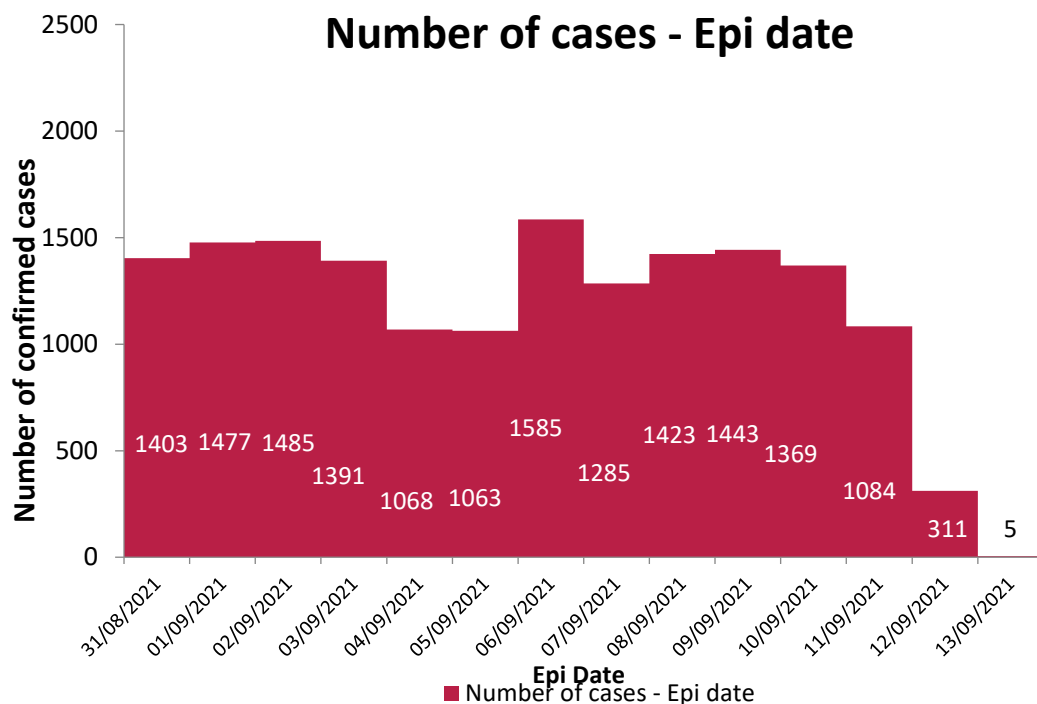

Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date*

*Epidemiological date is based on the earliest of dates available on the case and taken from date of onset of symptoms, date of diagnosis, laboratory specimen collection date, laboratory received date, laboratory reported date or event creation date/notification date on CIDR.

Table 1: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 31/08/2021 up to midnight on 13/09/2021

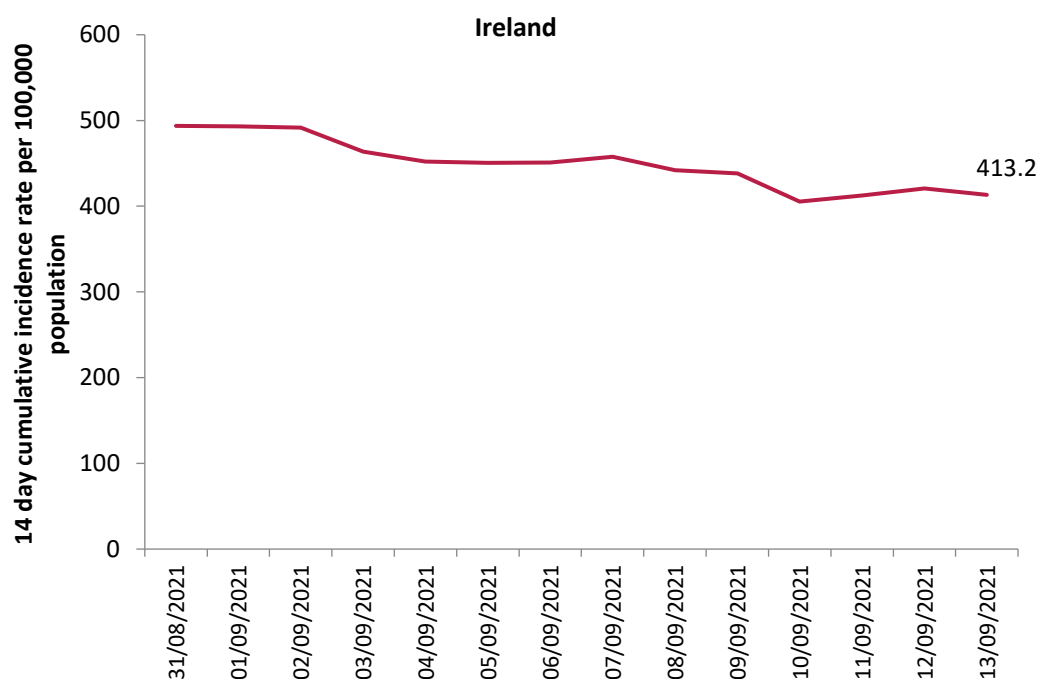| Characteristic		Number of cases	Percent
Total number of confirmed cases		19,677	**100**
Sex	Male	9,770	49.7
	Female	9,884	50.2
	Unknown	23	0.1
Age	Median age (years)	27	
	Mean age (years)	30	
	Age range (years)	0-103	
	0-4 yrs	1366	6.9
	5-12 yrs	3621	18.4
	13-18 yrs	2130	10.8
	19-24 yrs	2289	11.6
	25-34 yrs	2682	13.6
	35-44 yrs	2856	14.5
	45-54 yrs	2006	10.2
	55-64 yrs	1219	6.2
	65-74 yrs	826	4.2
	75-84 yrs	457	2.3
	85+ yrs	225	1.1
	Unknown	0	
	Total	19,677	

Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 31/08/2021 up to midnight on 13/09/2021

*14 day incidence rates per 100,000 populations of confirmed cases of COVID-19 for individual counties can be found in appendix 1 of this report

Table 2: Number of confirmed COVID-19 cases by county notified in Ireland from 31/08/2021 up to midnight on 13/09/2021, 7 day numbers are reported from 07/09/2021 up to midnight on 13/09/2021

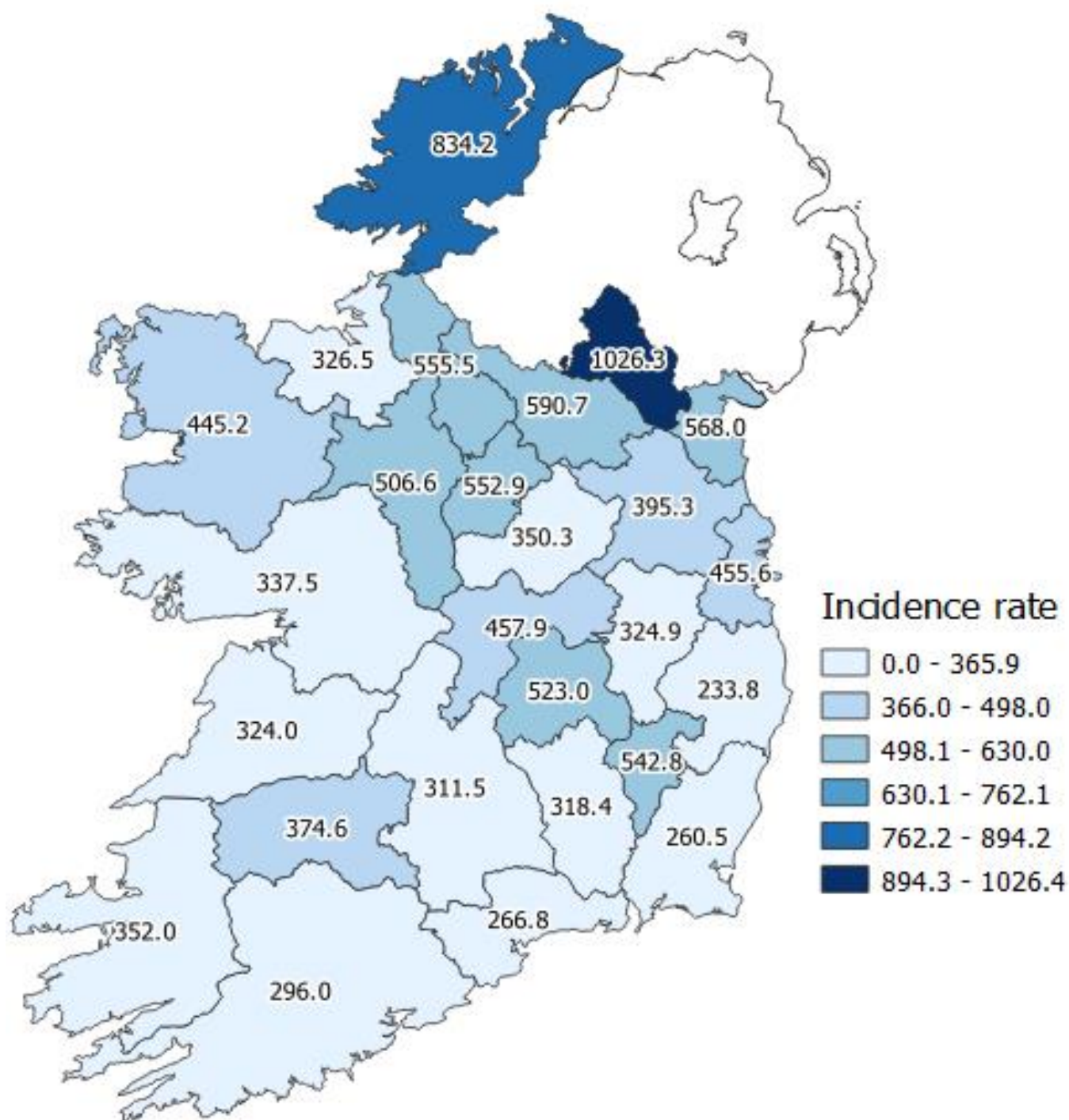| County	Number of confirmed cases in last 7 days	7-day Incidence per 100,000 population	Number of confirmed cases in last 14 days	14-day Incidence per 100,000 population	7 day incidence rate as a percentage of 14 day rate	5 day moving average of confirmed cases (09/09/2021 - 13/09/2021)
Monaghan	311	506.6	630	1026.3	49.37	40
Donegal	609	382.6	1328	834.2	45.86	81
Louth	418	324.3	732	568.0	57.10	57
Carlow	172	302.1	309	542.8	55.66	25
Longford	110	269.1	226	552.9	48.67	14
Laois	226	266.8	443	523.0	51.02	31
Cavan	191	250.7	450	590.7	42.44	20
Leitrim	80	249.7	178	555.5	44.94	11
Offaly	171	219.3	357	457.9	47.90	22
Dublin	2,948	218.8	6138	455.6	48.03	383
Mayo	274	210.0	581	445.2	47.16	51
Roscommon	124	192.1	327	506.6	37.92	17
Limerick	362	185.7	730	374.6	49.59	60
Meath	346	177.4	771	395.3	44.88	47
Westmeath	155	174.6	311	350.3	49.84	21
Sligo	114	174.0	214	326.5	53.27	18
Kilkenny	160	161.2	316	318.4	50.63	22
Kildare	353	158.6	723	324.9	48.82	46
Galway	403	156.2	871	337.5	46.27	69
Kerry	226	153.0	520	352.0	43.46	34
Cork	765	140.9	1607	296.0	47.60	106
Waterford	159	136.9	310	266.8	51.29	24
Tipperary	213	133.5	497	311.5	42.86	30
Clare	151	127.1	385	324.0	39.22	23
Wexford	177	118.2	390	260.5	45.38	27
Wicklow	109	76.5	333	233.8	32.73	16
Unknown/Other						
Total	**9,327**	**195.9**	**19,677**	**413.2**	**47.40**	**1298**

Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 31/08/2021 up to midnight on 13/09/2021

Please do not directly compare county shades to previous maps. The categories listed will change as the number of cases change, which may result in changes to the map shading.
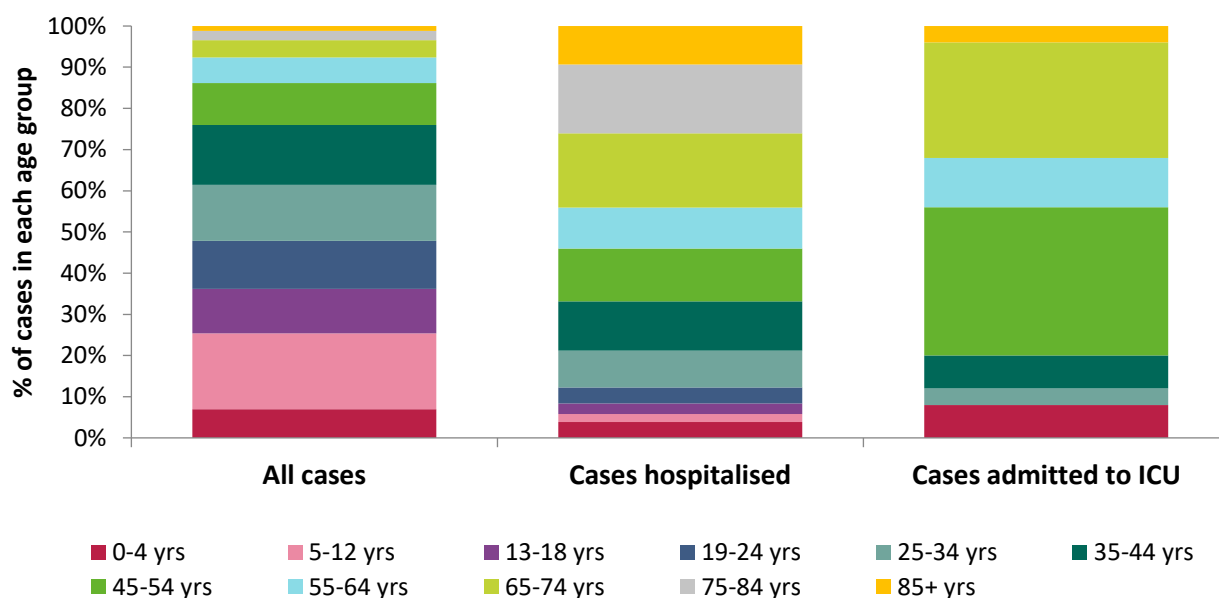
Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 31/08/2021 up to midnight on 13/09/2021,in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

Table 3: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 31/08/2021 up to midnight on 13/09/2021,by age group, hospitalisation and ICU admission*

Age Group (years)	Number of cases (n)	Number of cases (%)	Cases hospitalised (n)	Cases hospitalised (%)	Cases admitted to ICU (n)	Cases admitted to ICU (%)
0-4 yrs	1366	6.9	12	3.9	<5	-
5-12 yrs	3621	18.4	6	1.9	0	0.0
13-18 yrs	2130	10.8	8	2.6	0	0.0
19-24 yrs	2289	11.6	12	3.9	0	0.0
25-34 yrs	2682	13.6	28	9.0	<5	-
35-44 yrs	2856	14.5	37	11.9	<5	-
45-54 yrs	2006	10.2	40	12.9	9	36.0
55-64 yrs	1219	6.2	31	10.0	<5	-
65-74 yrs	826	4.2	56	18.0	7	28.0
75-84 yrs	457	2.3	52	16.7	0	0.0
85+ yrs	225	1.1	29	9.3	<5	-
Unknown	0	0.0	0	0.0	0	0.0
Total	**19677**	**100**	**311**	**100**	**25**	

* The number of cases hospitalised and admitted to ICU described in the above table and figure relate only to COVID-19 cases who were notified during this reporting period, and where the outcome is known at the time of reporting. It does not reflect all hospitalisations and ICU admissions related to COVID-19 which occurred during the period covered by the report. It also does not reflect the final number of cases hospitalised or admitted to ICU for these cases notified during this period as the outcome may not yet have occurred, or is yet to be notified.

Table 4: Daily number of confirmed COVID-19 cases notified in Ireland from 31/08/2021 up to midnight on 13/09/2021

Date	Number of confirmed cases
31/08/2021	1705
01/09/2021	1747
02/09/2021	1409
03/09/2021	1702
04/09/2021	1177
05/09/2021	1143
06/09/2021	1467
07/09/2021	1544
08/09/2021	1291
09/09/2021	1617
10/09/2021	497 *
11/09/2021	1805
12/09/2021	1392
13/09/2021	1181
Total	**19,677**

* Due to an IT issue causing a delay in reporting, the number of COVID-19 cases notified on the 10/09/2021 is reduced, the case numbers in the days following (11-12th Sept) are inflated, when data are presented by notification date. Due to this IT issue, daily case numbers reported over the weekend were reported from CCT data.

Please note that due to recent reinstatement of reporting of COVID case numbers from CIDR, case counts may differ from prior reports- please follow link on cover for more details

Acknowledgements

Technical Notes

1. Data Source

Data are based on statutory notifications and were extracted from Computerised Infectious Disease Reporting (CIDR) system. Data are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

2. Population data

Population data were taken from Census 2016. Data were aggregated into the following age groups for the analysis: 0-4 years, 5-12 years, 13-18 years, 19-24 years, 25-34 years, 35-44 years, 45-54 years, 55-64 years, 65-74 years, 75-84 years and ≥ 85 years.

3. Epidemiological date

The epi-date is the epidemiological date for a case. It is based on the earliest of dates available on the case and taken from date of onset of symptoms, date of diagnosis, laboratory specimen collection date, laboratory received date, laboratory reported date or event creation date/notification date on CIDR. By using this date rather than event creation/ notification date, adjusts for any delays in testing/notification.

4. Return to reporting from CIDR

Reporting from the Computerised Infectious Disease Reporting (CIDR) recommenced on 02/09/2021. See link below for further details:

https://www.hpsc.ie/a-z/respiratory/coronavirus/novelcoronavirus/surveillance/recommencementofreportingfromcidr/

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (31/08/2021 to 13/09/2021)

Galway

337.5

Kerry

352

Kildare

324.9

Kilkenny

318.4

Laois

523

Leitrim

555.5

Limerick

374.6

Longford

552.9

Louth

568

Mayo

445.2

Meath

395.3

Monaghan

1026.3

Offaly

457.9

Roscommon

506.6

Sligo

326.5

Tipperary

311.5

Waterford

266.8

Westmeath

350.3

Wexford

260.5

Wicklow

233.8