

Epidemiology of COVID-19 in Ireland - HPSC interim 14 day report on cases uploaded to the COVID Care Tracker

Report prepared by HPSC on 03/06/2021

Summary characteristics of confirmed COVID-19 cases uploaded to the COVID Care Tracker (CCT) from (20/05/2021 up to midnight on 02/06/2021)

	Number	Percent
Total number of confirmed cases on COVID CCT	5,806	
National incidence of confirmed cases per 100,000 population	121.9	
Number of cases in healthcare workers	185	3.2
Males	2,945	50.7
Females	2,838	48.9
M:F ratio	1.0	
Median age (years)	24	
Mean age (years)	28	
Age range (years)	0 - 96	

Note: Data included in this report are based on SARS CoV-2 results uploaded to the COVID Care Tracker. These data are provisional and subject to ongoing review, validation and update.

The reported epidemiology of COVID-19, including the daily number of COVID-19 cases and the 14-day incidence reports, is normally based on the notifications to the Computerised Infectious Disease Reporting (CIDR) system. The cyber-attack on the HSE on 14 May 2021 has prevented the routine notification of cases, associated deaths and outbreaks of COVID-19 to CIDR. As an interim measure, provisional epidemiological reports will be prepared based on the information captured by the HSE COVID Care Tracker. Please note that these data do not represent notified cases, and have not undergone the data validation procedures undertaken through CIDR. For this reason, data in this report may differ from that previously reported based on CIDR data for this period. Similarly, future data reported for this period may differ from that presented in this report. As soon as all COVID-19 surveillance systems are restored, surveillance staff in laboratories, the Departments of Public Health and HPSC will work together to retrospectively collate and validate COVID-19 cases, outbreaks and deaths diagnosed and/or notified during this period.

Table 1: Age and sex of confirmed COVID-19 cases in Ireland uploaded to the COVID Care Tracker from (20/05/2021 up to midnight on 02/06/2021)

Characteristic		Number of cases	Percent
Total number of confirmed cases		5,806	100
Sex	Male	2,945	50.7
	Female	2,838	48.9
	Unknown	23	0.4
Age	Median age (years)	24	
	Mean age (years)	28	
	Age range (years)	0 - 96	
	0-4 yrs	347	6.0
	5-12 yrs	955	16.4
	13-18 yrs	591	10.2
	19-24 yrs	1046	18.0
	25-34 yrs	785	13.5
	35-44 yrs	964	16.6
	45-54 yrs	683	11.8
	55-64 yrs	332	5.7
	65-74 yrs	71	1.2
	75-84 yrs	19	0.3
	85+ yrs	13	0.2
	Total	5,806	

Table 2: Characteristics of confirmed COVID-19 cases in Ireland uploaded to the COVID Care Tracker from (20/05/2021 up to midnight on 02/06/2021)

Characteristic		Number of cases	Percent	Percent where known
Total number of cases		5,806	100	
Symptom status at time of test*	Yes	3,534	60.9	60.9
	No	1,715	29.5	29.5
	Unknown	278	4.8	
	Total cases where known	5,249		
Healthcare worker	Yes	185	3.2	3.4
	No	5,324	91.7	96.6
	Unknown	297	5.1	
	Total cases where known	5,509		

*Symptom status is recorded at the time of test and is not updated, therefore a proportion of the asymptomatic cases may subsequently develop symptoms however this will not be captured in the data.

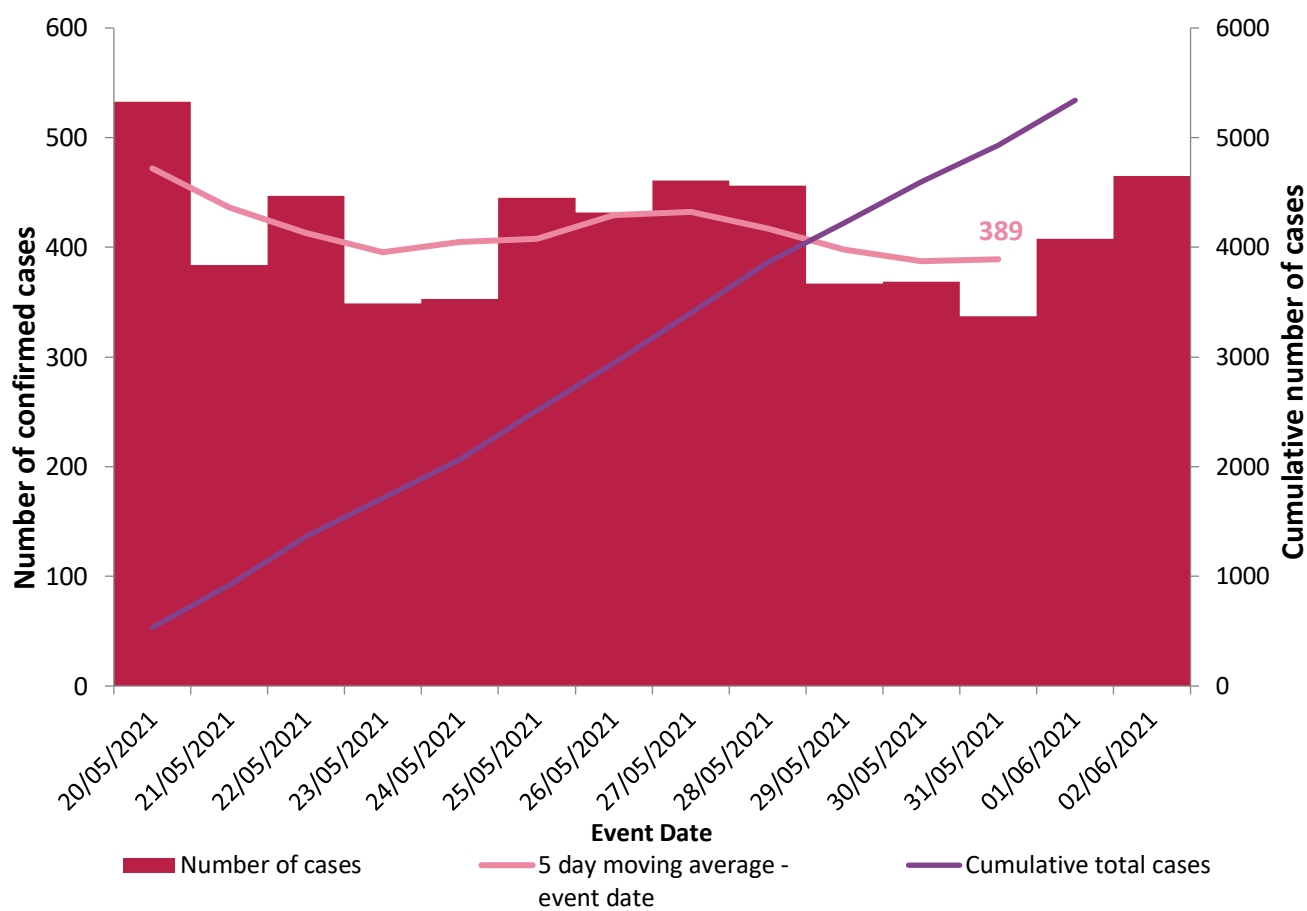


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by date uploaded to the COVID Care Tracker (n=5,806)

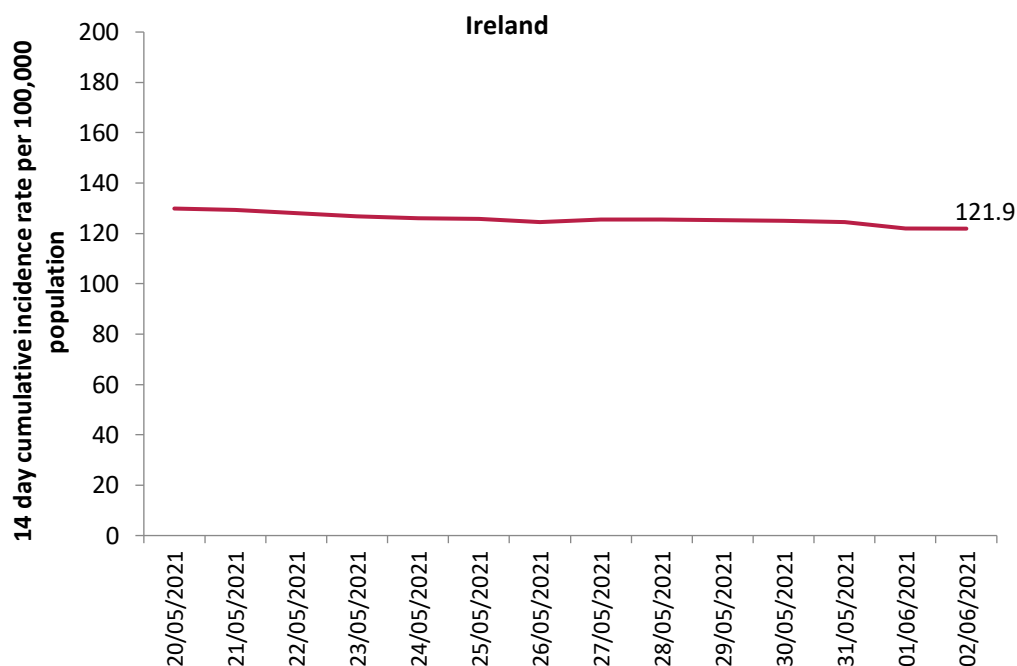


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland from (20/05/2021 up to midnight on 02/06/2021)

*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

14 day incidence rates for Figure 2 are calculated using data from May 6th - June 2nd. CCT data are available to HPSC from May 9th to June 2nd. Therefore, CIDR data are used from 06/05/2021 - 08/05/2021, and CCT data are used from 09/05/2021 - 02/06/2021.

Table 3: Number of confirmed COVID-19 cases by county in Ireland uploaded to the COVID Care Tracker from (20/05/2021 up to midnight on 02/06/2021)

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (29/05/2021 - 02/06/2021)
Limerick	801	411.0	66
Donegal	289	181.5	14
Dublin	2072	153.8	133
Offaly	117	150.1	5
Westmeath	123	138.6	11
Louth	168	130.3	10
Kildare	283	127.2	16
Cavan	94	123.4	8
Mayo	144	110.3	7
Wexford	156	104.2	12
Cork	522	96.2	30
Meath	182	93.3	12
Carlow	52	91.3	4
Roscommon	58	89.9	3
Longford	36	88.1	2
Laois	74	87.4	7
Wicklow	108	75.8	7
Waterford	83	71.4	9
Tipperary	107	67.1	8
Clare	71	59.8	8
Galway	131	50.8	11
Monaghan	31	50.5	1
Kilkenny	34	34.3	2
Leitrim	10	31.2	0
Kerry	44	29.8	3
Sligo	12	18.3	1
Unknown	4		
Total*	5,806	121.9	389

Table 4: Number of confirmed COVID-19 cases by most likely transmission source uploaded to the COVID Care Tracker from (20/05/2021 up to midnight on 02/06/2021)

Most likely transmission source	Number of cases	Percent
Travel related	161	2.9
Close contact with a known confirmed case	4183	76.3
Healthcare setting acquired: patient	11	0.2
Healthcare setting acquired: staff	10	0.2
Community transmission	1108	20.2
Under investigation	6	0.1
Total cases with known most likely transmission source	5,473	99.9
Total	5,479	100

The most likely transmission source should be interpreted with caution as data may not be updated based on additional investigations undertaken by Departments of Public Health Medicine as occurred previously with CIDR

Table 5: Daily number of confirmed COVID-19 cases uploaded to the COVID Care Tracker from (20/05/2021 up to midnight on 02/06/2021)

Date	Number of confirmed cases
20/05/2021	533
21/05/2021	384
22/05/2021	447
23/05/2021	349
24/05/2021	353
25/05/2021	445
26/05/2021	432
27/05/2021	461
28/05/2021	456
29/05/2021	367
30/05/2021	369
31/05/2021	337
01/06/2021	408
02/06/2021	465
Total	5,806

Acknowledgements

Sincere thanks are extended to all those who are participating in the collection of data and reporting of data used in these reports. This includes the HSE COVID-19 Contact Management Programme (CMP), staff in ICU units, notifying clinicians, laboratory staff, public health doctors, nurses, surveillance scientists, microbiologists and administrative staff.

Report prepared by COVID-19 Epidemiology Team, HPSC

Technical Notes

1. Data Source

Data are based on information uploaded to the COVID Care Tracker (CCT). Please note that these data do not represent notified cases, and have not undergone normal data validation procedures. Data are therefore provisional and subject to ongoing review and update. As a result, figures in this report may differ from previously published figures.

2. Dates

Daily totals are based on the date a positive sample for a case is uploaded to the CCT. In situations where two samples are uploaded for the same case the earliest date is used.

3. 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.

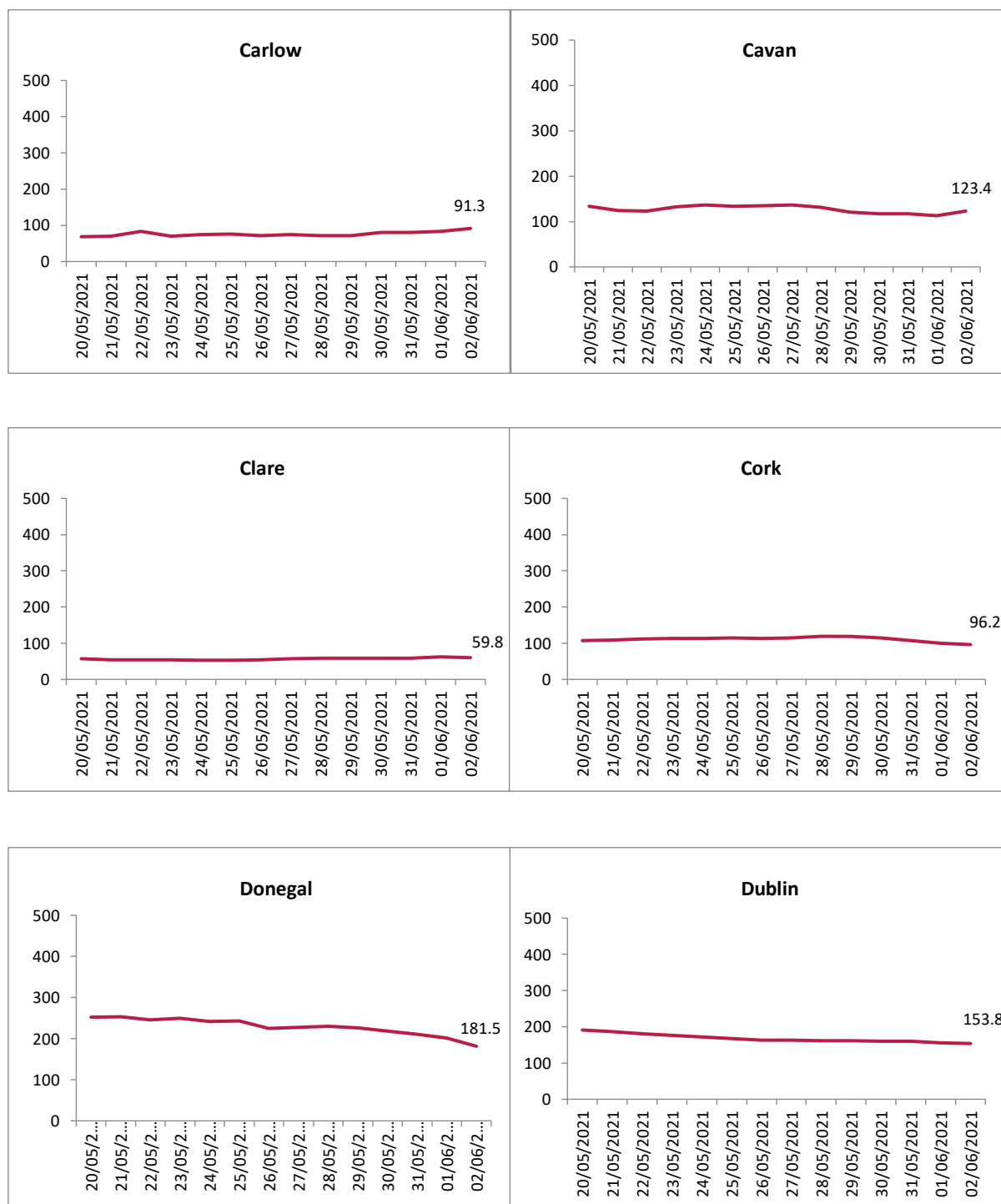
4. Transmission classification

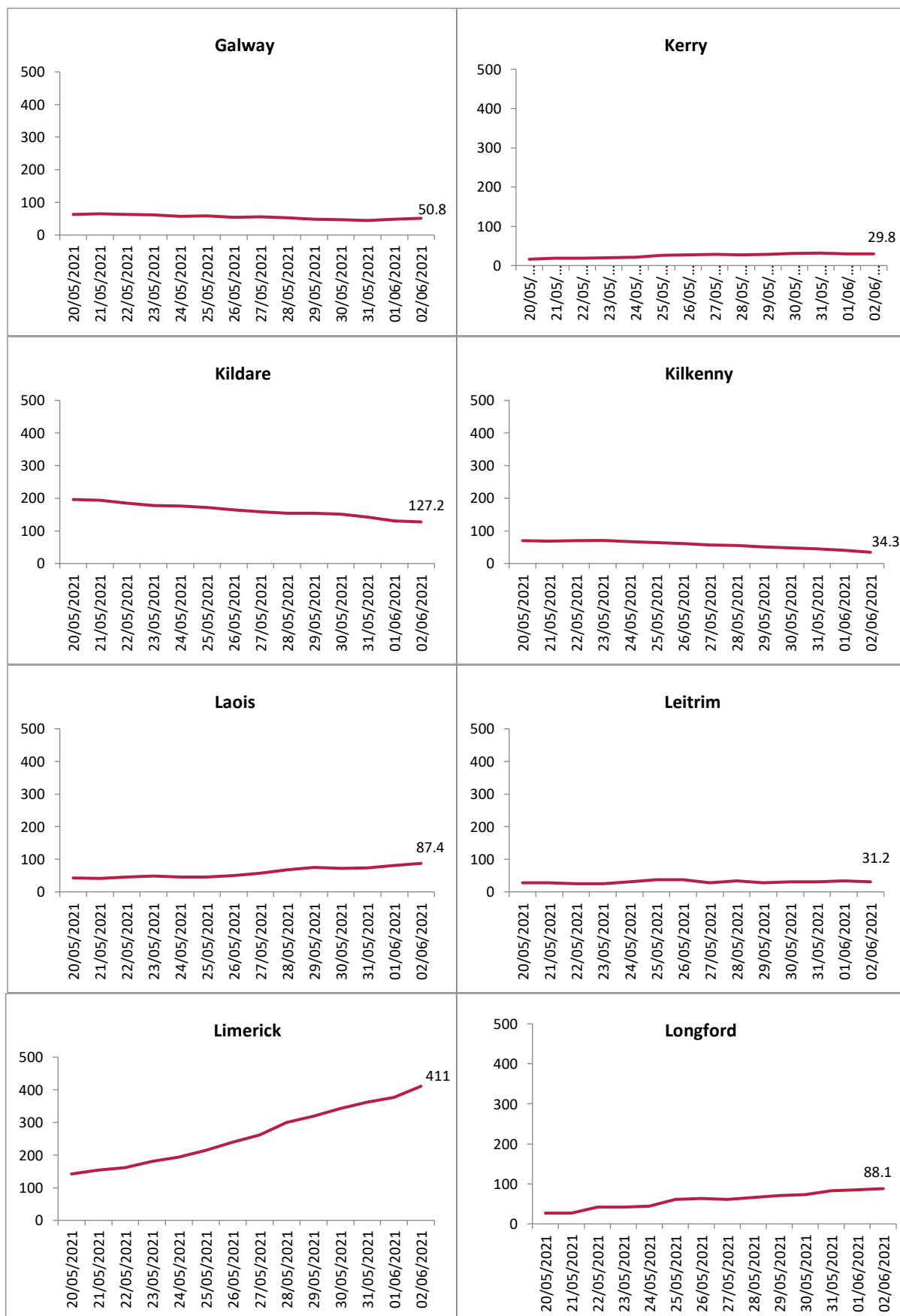
Transmission classification is based on country of infection as well as enhanced exposure data (international travel; close contact of a case) recorded in CCT. Transmission is classified as 'unknown' due to incomplete data on CCT.

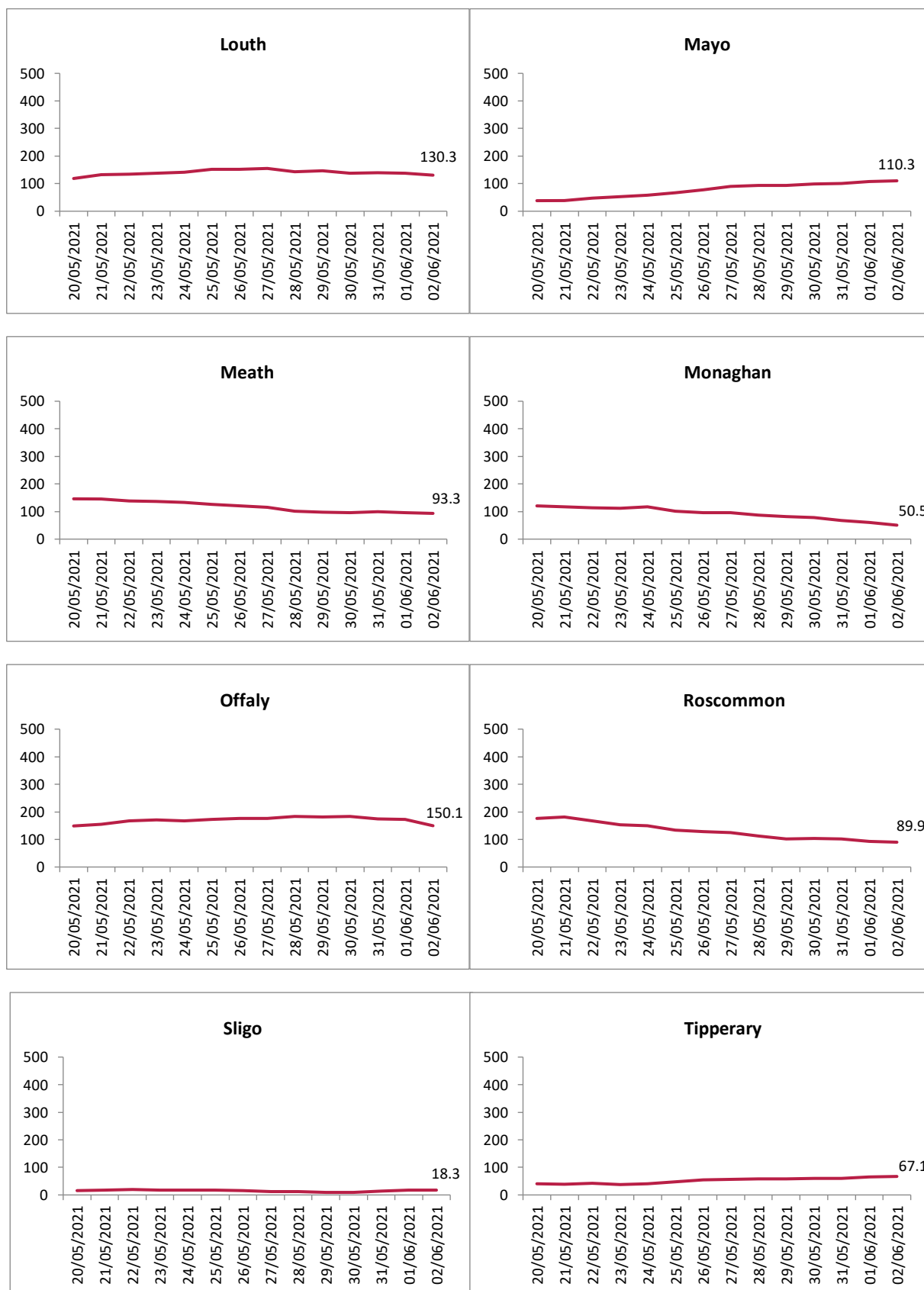
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

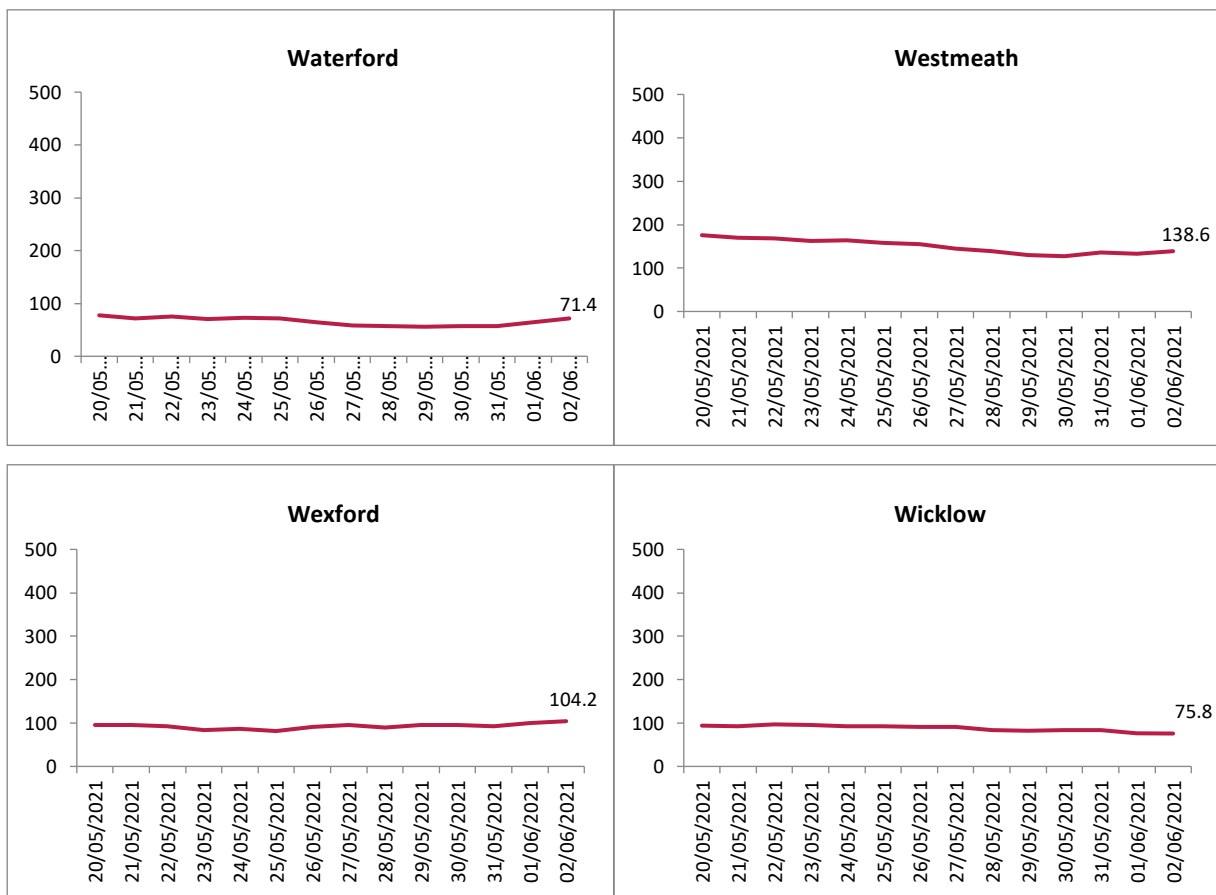
Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (20/05/2021 to 02/06/2021)









14 day incidence rates for counties in appendix 1 are calculated using data from May 6th - June 2nd. CCT data are available to HPSC from May 9th to June 2nd. Therefore, CIDR data are used from 06/05/2021 - 08/05/2021, and CCT data are used from 09/05/2021 - 02/06/2021.