

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

Report prepared by HPSC on 04/06/2021

Summary characteristics of confirmed COVID-19 cases uploaded to the COVID Care Tracker (CCT) from (21/05/2021 up to midnight on 03/06/2021)

	Number	Percent
Total number of confirmed cases on COVID CCT	5,803	
National incidence of confirmed cases per 100,000 population	121.9	
Number of cases in healthcare workers	188	3.2
Males	2,958	51.0
Females	2,824	48.7
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 (21/05/2021 up to midnight on 03/06/2021)

Characteristic		Number of cases	Percent
Total number of confirmed cases		5,803	100
Sex	Male	2,958	51.0
	Female	2,824	48.7
	Unknown	21	0.4
Age	Median age (years)	24	
	Mean age (years)	28	
	Age range (years)	0 - 96	
	0-4 yrs	355	6.1
	5-12 yrs	958	16.5
	13-18 yrs	609	10.5
	19-24 yrs	1032	17.8
	25-34 yrs	798	13.8
	35-44 yrs	978	16.9
	45-54 yrs	671	11.6
	55-64 yrs	308	5.3
	65-74 yrs	62	1.1
	75-84 yrs	19	0.3
	85+ yrs	13	0.2
	Total	5,803	

Table 2: Characteristics of confirmed COVID-19 cases in Ireland uploaded to the COVID Care Tracker from (21/05/2021 up to midnight on 03/06/2021)

Characteristic		Number of cases	Percent	Percent where known
Total number of cases		5,803	100	
Symptom status at time of test*	Yes	3,477	59.9	59.9
	No	1,679	28.9	28.9
	Unknown	647	11.1	
	Total cases where known	5,156		
Healthcare worker	Yes	188	3.2	3.5
	No	5,214	89.9	96.5
	Unknown	401	6.9	
	Total cases where known	5,402		

*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.

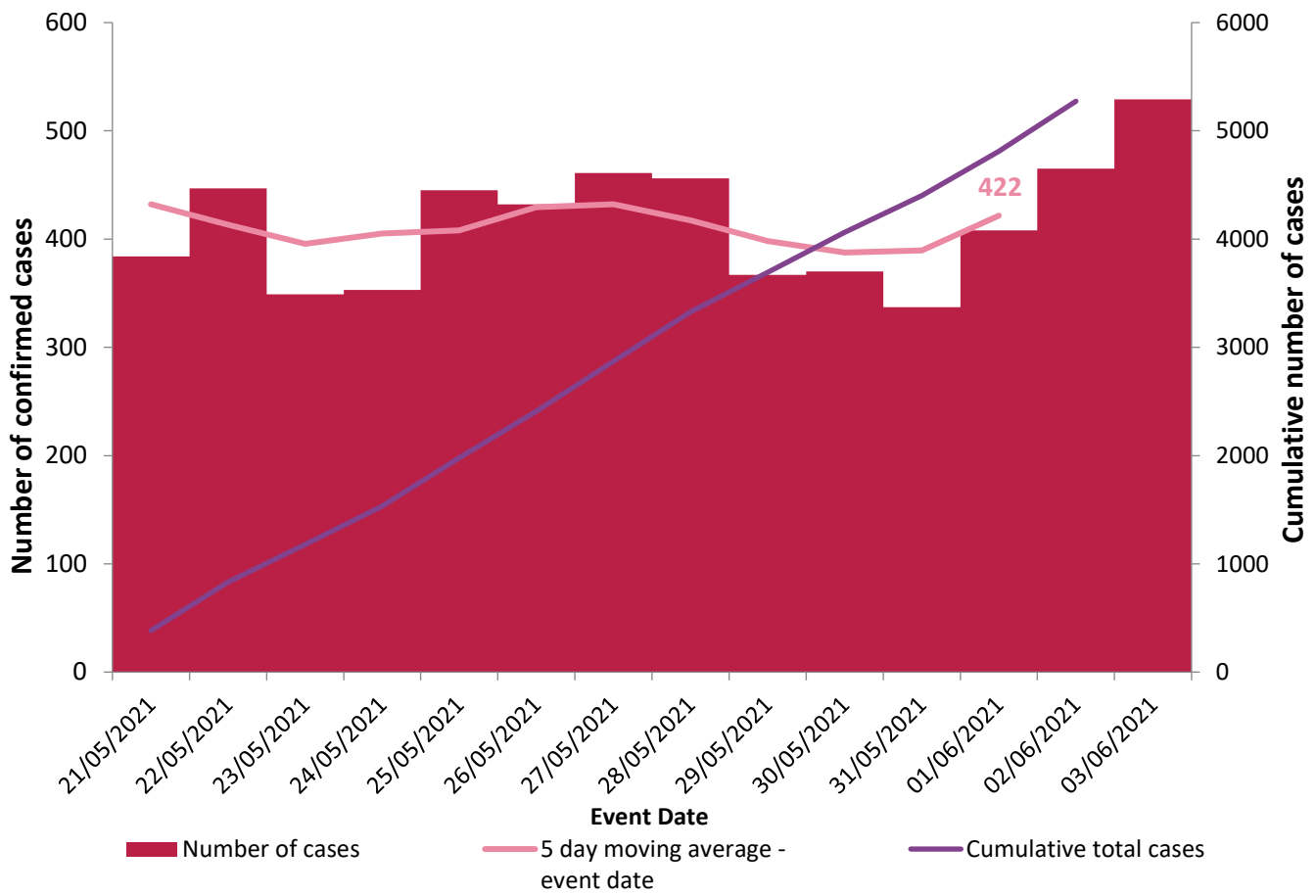


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by date uploaded to the COVID Care Tracker (n=5,803)

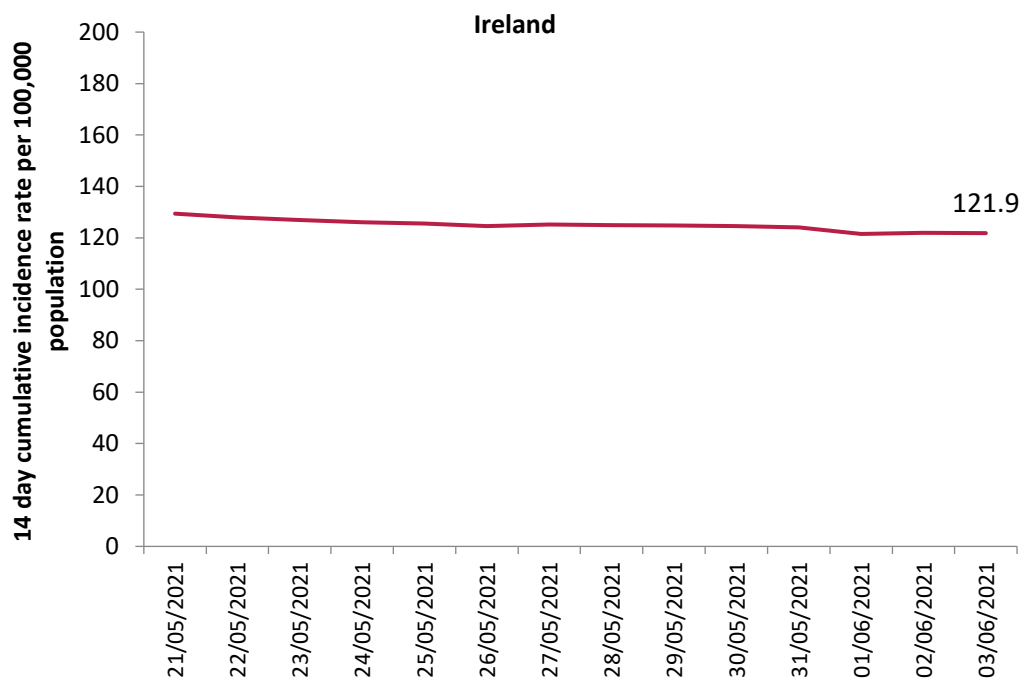


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland from (21/05/2021 up to midnight on 03/06/2021)

*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 7th - June 3rd. CCT data are available to HPSC from May 9th to June 3rd. Therefore, CIDR data are used from 07/05/2021 - 08/05/2021, and CCT data are used from 09/05/2021 - 03/06/2021.

Table 3: Number of confirmed COVID-19 cases by county in Ireland uploaded to the COVID Care Tracker from (21/05/2021 up to midnight on 03/06/2021)

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (30/05/2021 - 03/06/2021)
Limerick	830	425.9	70
Donegal	272	170.9	14
Dublin	2046	151.9	143
Westmeath	122	137.4	11
Louth	169	131.1	13
Offaly	102	130.8	5
Kildare	291	130.8	19
Cavan	98	128.6	9
Mayo	148	113.4	8
Carlow	62	108.9	8
Wexford	152	101.5	11
Roscommon	62	96.1	4
Cork	515	94.9	31
Laois	76	89.7	6
Meath	174	89.2	14
Longford	36	88.1	2
Waterford	95	81.8	12
Wicklow	106	74.4	8
Tipperary	110	68.9	7
Clare	78	65.6	9
Galway	132	51.2	12
Monaghan	27	44.0	1
Leitrim	13	40.6	1
Kilkenny	31	31.2	2
Kerry	43	29.1	4
Sligo	8	12.2	1
Unknown*	5		
Total	5,803	121.9	422

Table 4: Number of confirmed COVID-19 cases by most likely transmission source uploaded to the COVID Care Tracker from (21/05/2021 up to midnight on 03/06/2021)

Most likely transmission source	Number of cases	Percent
Travel related	160	2.8
Close contact with a known confirmed case	4089	70.5
Healthcare setting acquired: patient	10	0.2
Healthcare setting acquired: staff	9	0.2
Community transmission	1100	19.0
Under investigation	435	7.5
Total cases with known most likely transmission source	5,368	92.5
Total	5,803	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 (21/05/2021 up to midnight on 03/06/2021)

Date	Number of confirmed cases
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	370
31/05/2021	337
01/06/2021	408
02/06/2021	465
03/06/2021	529
Total	5,803

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.

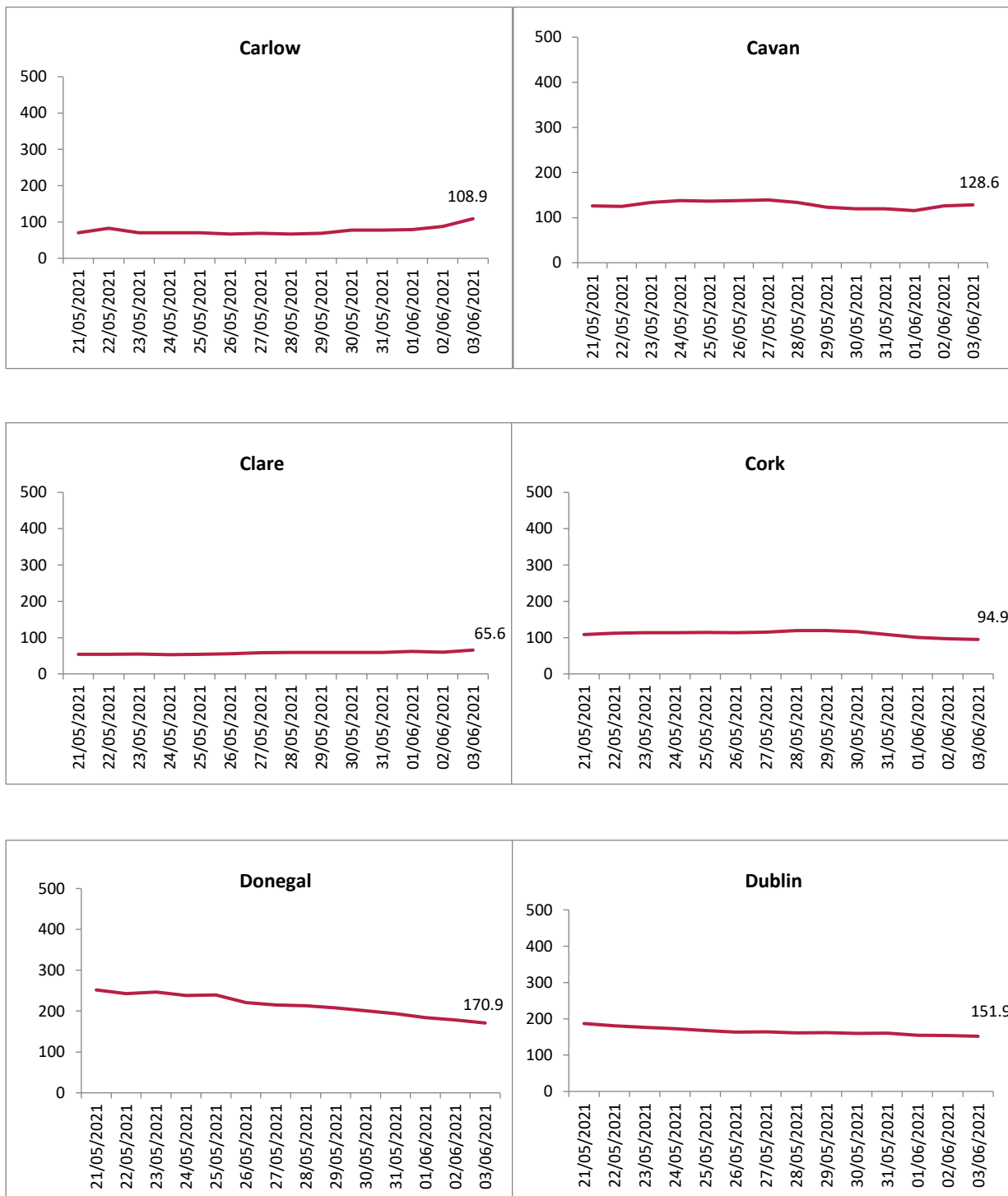
4. Transmission classification

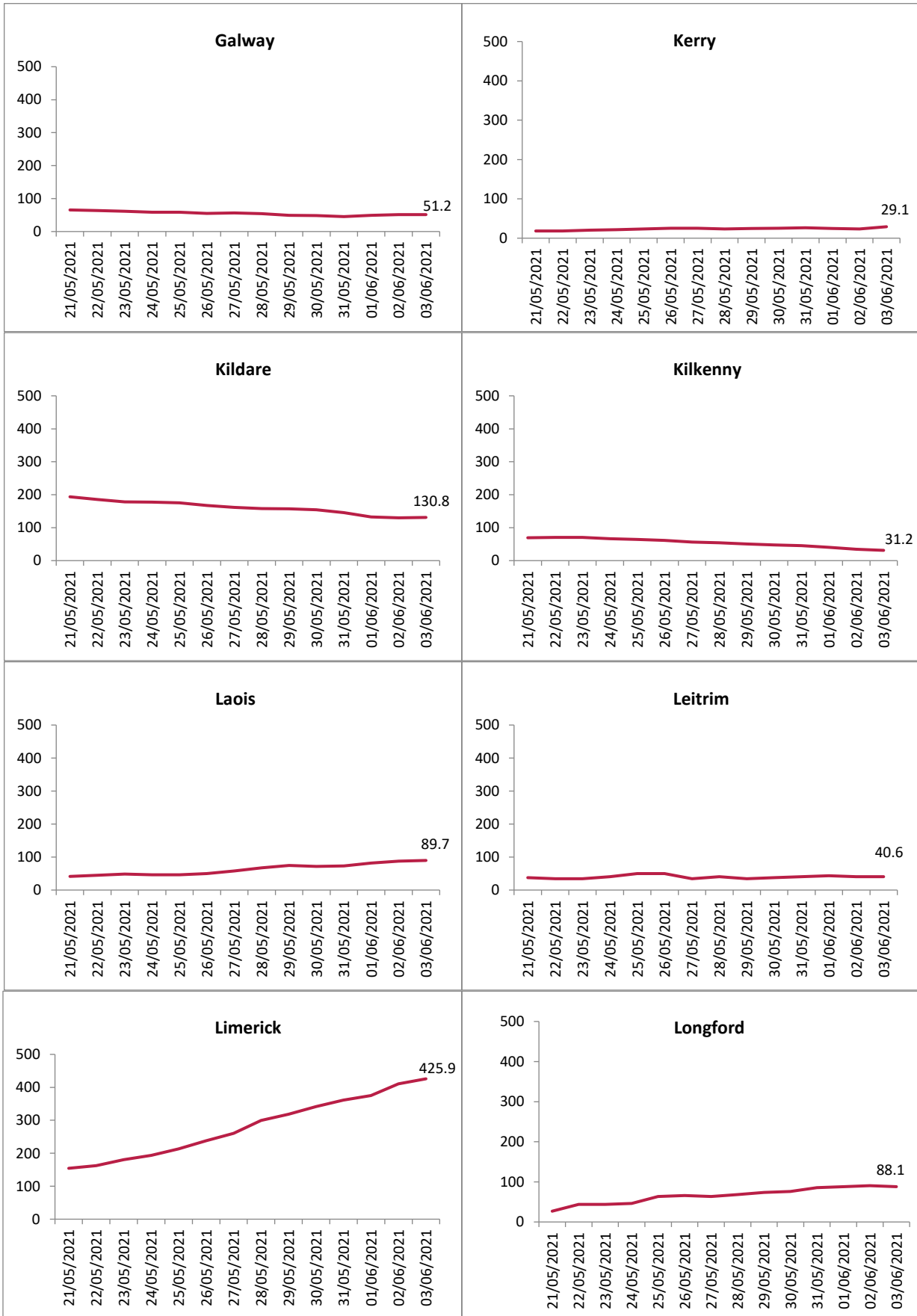
Transmission classification is based on country of infection as well as enhanced exposure data (international travel; close contact of a case) recorded in CCT. Transmission is classified as 'unknown' due to incomplete data on CCT.

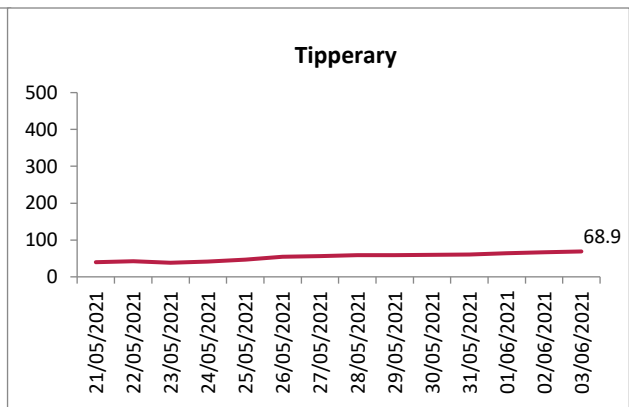
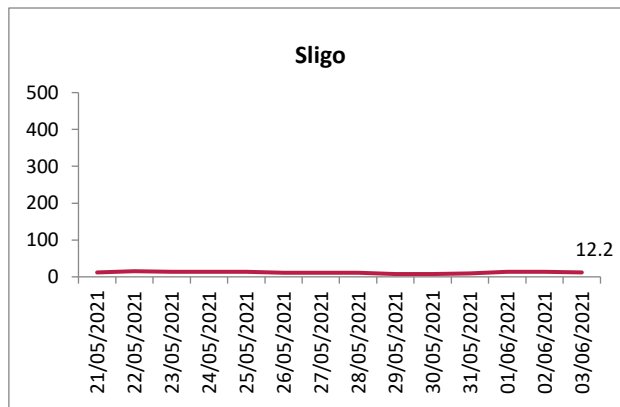
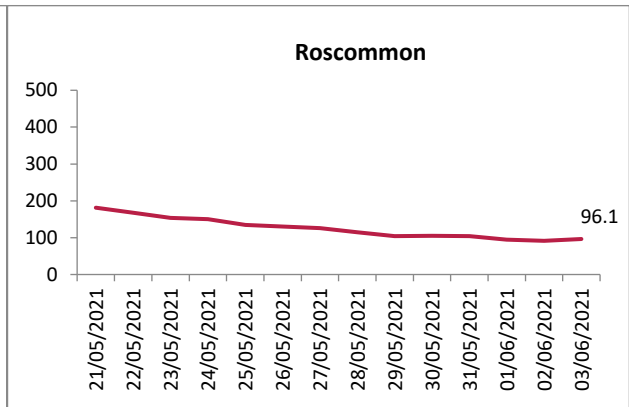
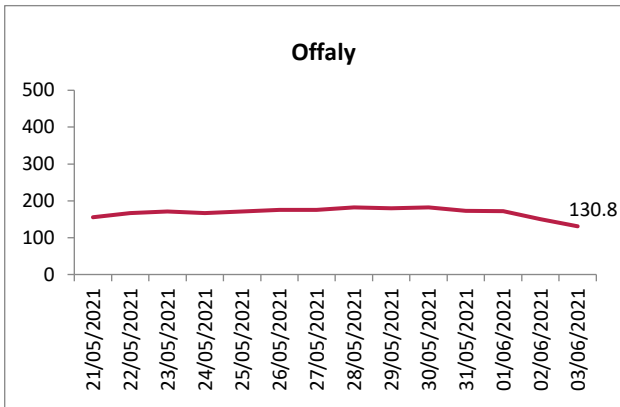
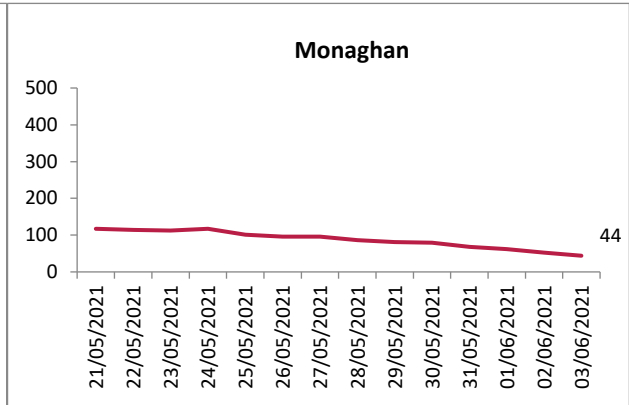
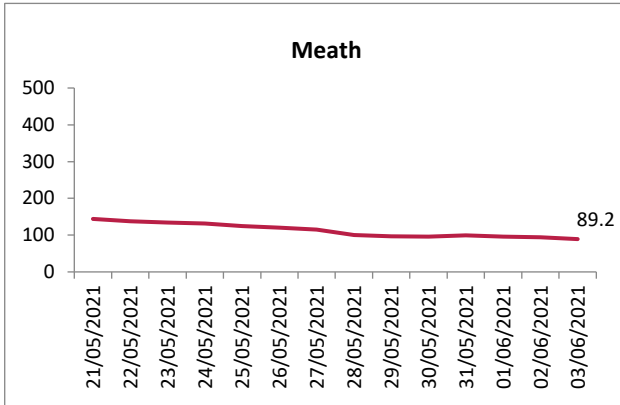
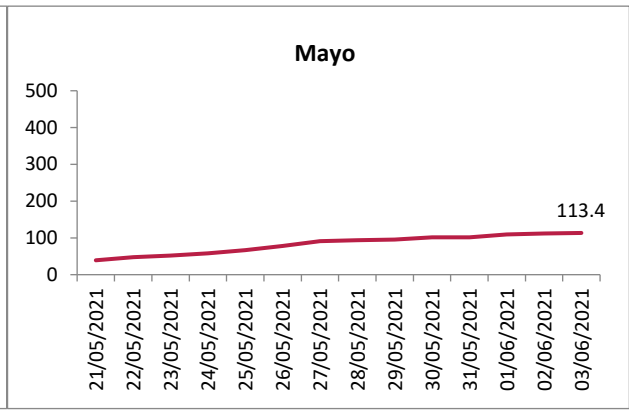
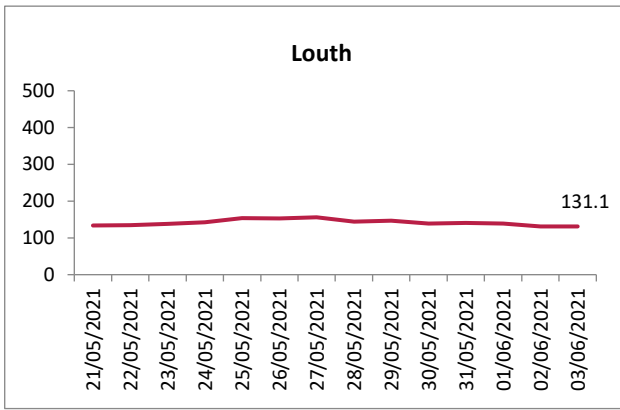
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

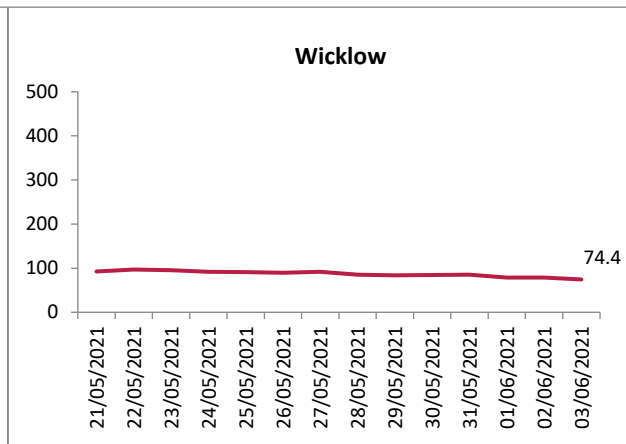
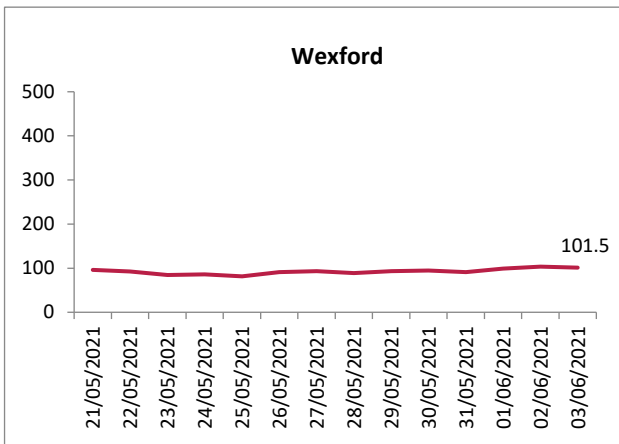
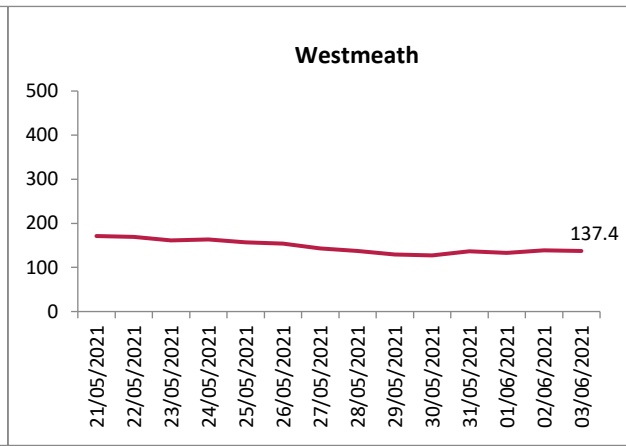
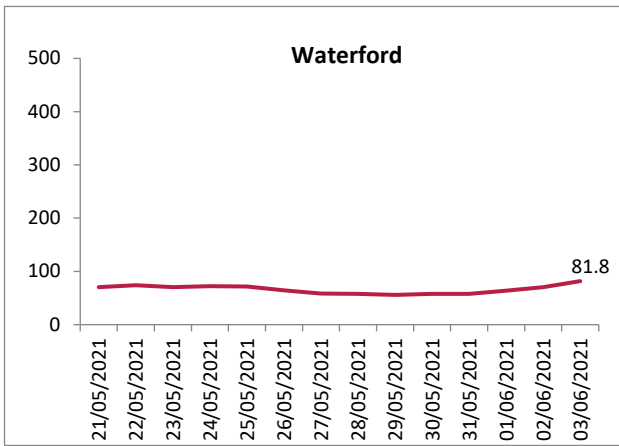
Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (21/05/2021 to 03/06/2021)









14 day incidence rates for counties in appendix 1 are calculated using data from May 7th - June 3rd. CCT data are available to HPSHC from May 9th to June 3rd. Therefore, CIDR data are used from 07/05/2021 - 08/05/2021, and CCT data are used from 09/05/2021 - 03/06/2021.