Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 11/05/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 27/04/2021 up to midnight 10/05/2021

	Number	Percent
Total number of confirmed cases	6,099	
National incidence of confirmed cases per 100,000 population	128.08	
Number of cases hospitalised*	135	2.21
Number of cases admitted to ICU*	5	0.08
Number of deaths among confirmed cases ^	4	0.07
Case fatality ratio (CFR, %)	0.07	
National incidence of confirmed deaths per 100,000 population	0.08	
Number of cases** associated with clusters	1,538	25.22
Number of imported cases	64	1.05
Number of cases in healthcare workers	139	2.28
Males	3,062	50.2
Females	3,022	49.55
M:F ratio	1.01	
Median age (years)	29	
Mean age (years)	30	
Age range (years)	0 - 96	

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

^ The number of deaths described in the above table relate only to COVID-19 cases who were notified during thisreporting period, and where the outcome is known at the time of reporting. It does not reflect all COVID-19 deathswhich occurred during the period covered by the report. It also does not reflect the final number of deaths for thesecases notified during this period as the outcome may not yet have occurred, or is yet to be notifie

**Cases may be associated with outbreaks notified outside the timeframe of this report 27/04/2021 - 10/05/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:42 on 11/05/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.
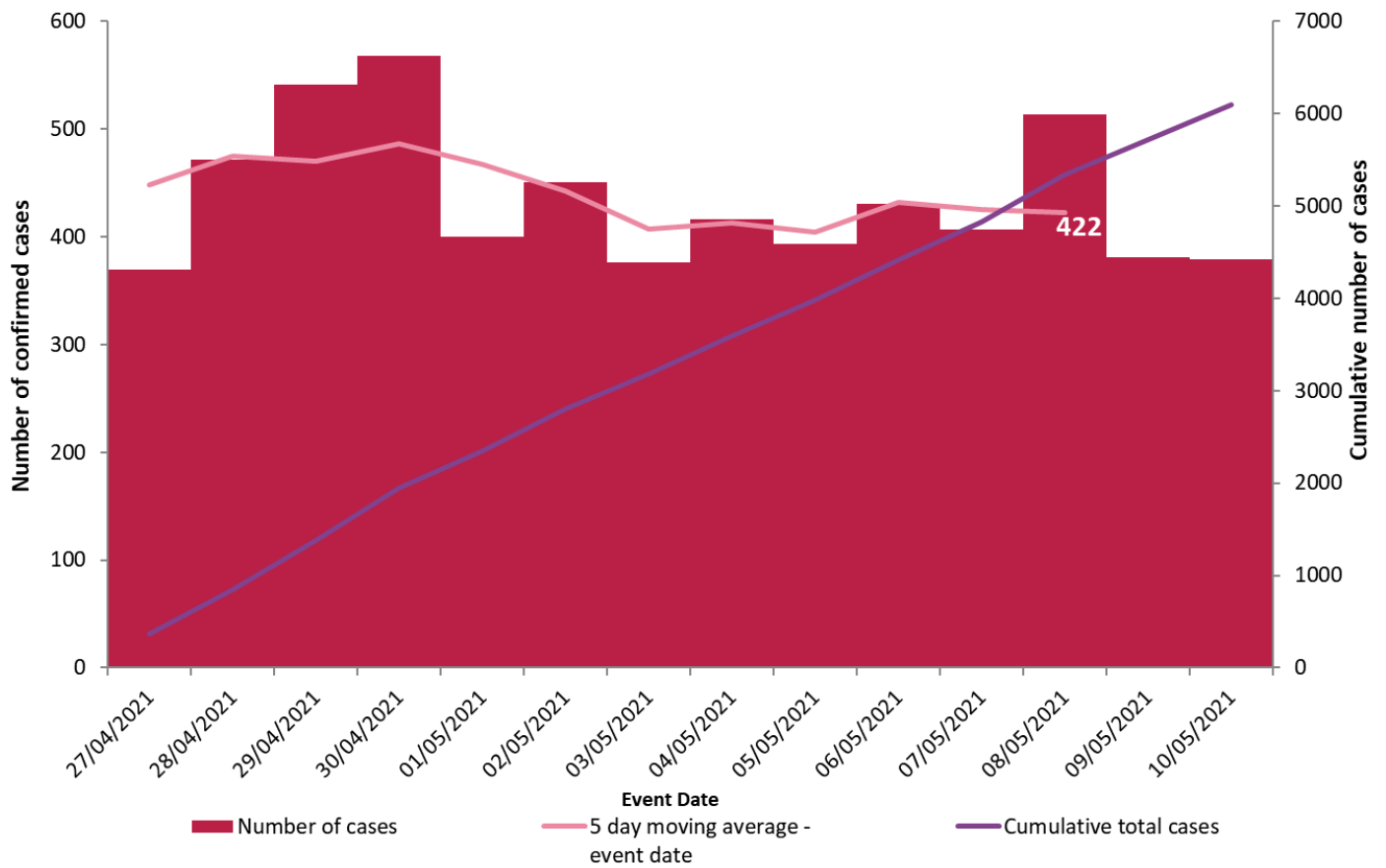
Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=6,099)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 27/04/2021 up to midnight on 10/05/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		**6,099**	**100**
Sex	Male:Female ratio	1.01	
	Male	3,062	50.2
	Female	3,022	49.55
	Unknown	15	0.25
Age	Median age (years)	29	
	Mean age (years)	30	
	Age range (years)	0 - 96	
	0-4 yrs	378	6.2
	5-12 yrs	857	14.05
	13-18 yrs	629	10.31
	19-24 yrs	712	11.67
	25-34 yrs	1,031	16.9
	35-44 yrs	1,088	17.84
	45-54 yrs	793	13
	55-64 yrs	392	6.43
	65-74 yrs	164	2.69
	75-84 yrs	44	0.72
	85+ yrs	10	0.16
	Unknown	1	0.02
Symptom status at time of test*	Yes	3,508	57.52
	No	1,329	21.79
	Unknown	1,262	20.69

*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.

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland

Please be advised that the CHO data are being validated and this table will be reintroduced once validation is complete

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 27/04/2021 to midnight 10/05/2021

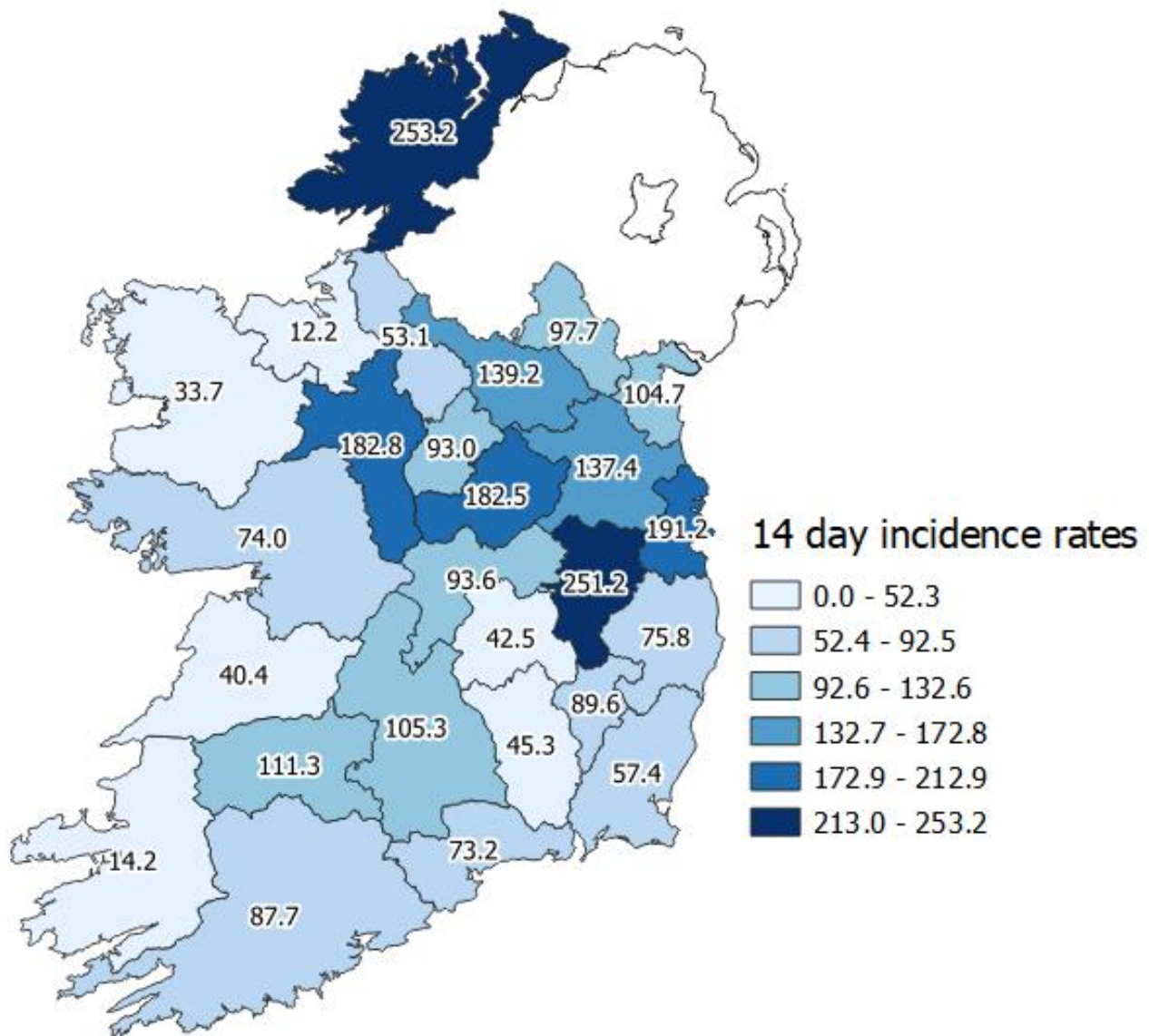| County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (06/05/2021-10/05/2021)
Donegal	403	253.2	28
Kildare	559	251.2	33
Dublin	2,576	191.2	201
Roscommon	118	182.8	12
Westmeath	162	182.5	10
Cavan	106	139.2	6
Meath	268	137.4	16
Limerick	217	111.3	17
Tipperary	168	105.3	6
Louth	135	104.7	6
Monaghan	60	97.7	6
Offaly	73	93.6	3
Longford	38	93.0	1
Carlow	51	89.6	3
Cork	476	87.7	29
Wicklow	108	75.8	6
Galway	191	74.0	10
Waterford	85	73.2	5
Wexford	86	57.4	11
Leitrim	17	53.1	0
Kilkenny	45	45.3	3
Laois	36	42.5	2
Clare	48	40.4	3
Mayo	44	33.7	3
Kerry	21	14.2	2
Sligo	8	12.2	0
Total	**6,099**	**128.1**	**422**

Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 27/04/2021 and 10/05/2021

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.

Table 4: Number and incidence of confirmed COVID-19 cases by Dublin Local Health Offices* (LHOs) notified in Ireland

Please be advised that the CCA data are currently being validated and this table will be reintroduced once validation is complete.

Note: Local health offices (LHOs) came into operation on 1st September 2005, replacing Community Care Areas (CCAs). LHO population denominators are used in this report rather than CCA population denominators. The LHO rates were calculated using Census 2016 LHO denominator data extracted from the HSE Health Atlas and are not a direct match to the corresponding CCAs
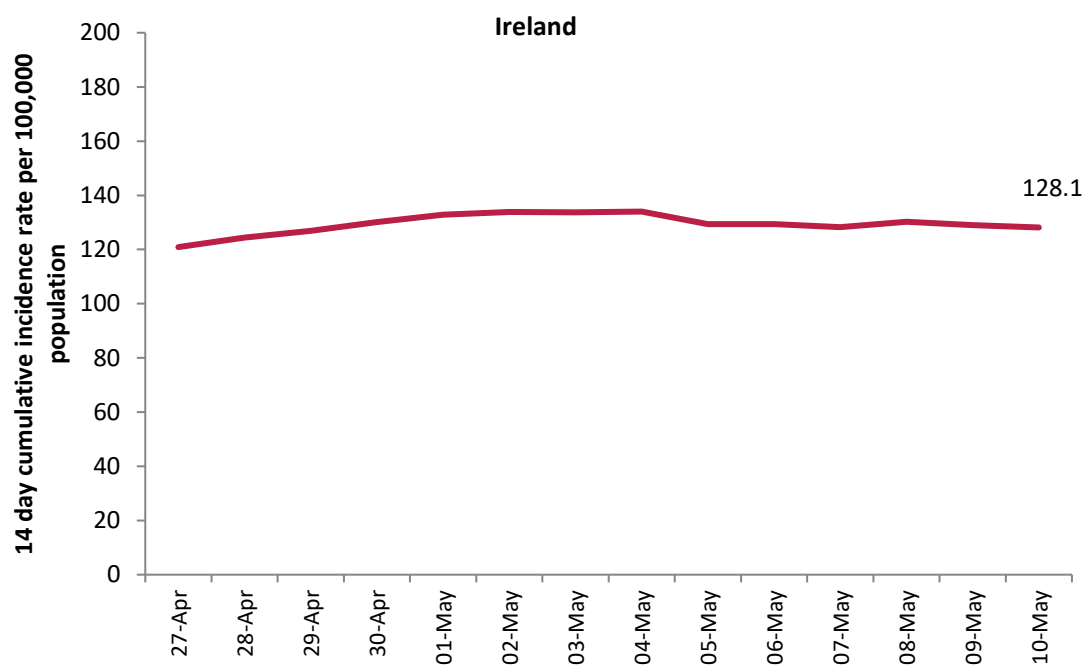
Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (27/04/2021 to 10/05/2021)

*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 5: Number of confirmed COVID-19 cases by most likely transmission source notified from 27/04/2021 to midnight 10/05/2021.

Most likely transmission source	Number of cases	Percent
Travel related^	227	3.72%
Close contact with a known confirmed case	3,908	64.08%
Healthcare setting acquired: patient	24	0.39%
Healthcare setting acquired: staff	16	0.26%
Community transmission	9,10	14.92%
Under investigation	1,014	16.63%
Total	**6,099**	**100.00%**

^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

Table 6: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 27/04/2021 to midnight 10/05/2021 by age group, hospitalisation and ICU admission*.

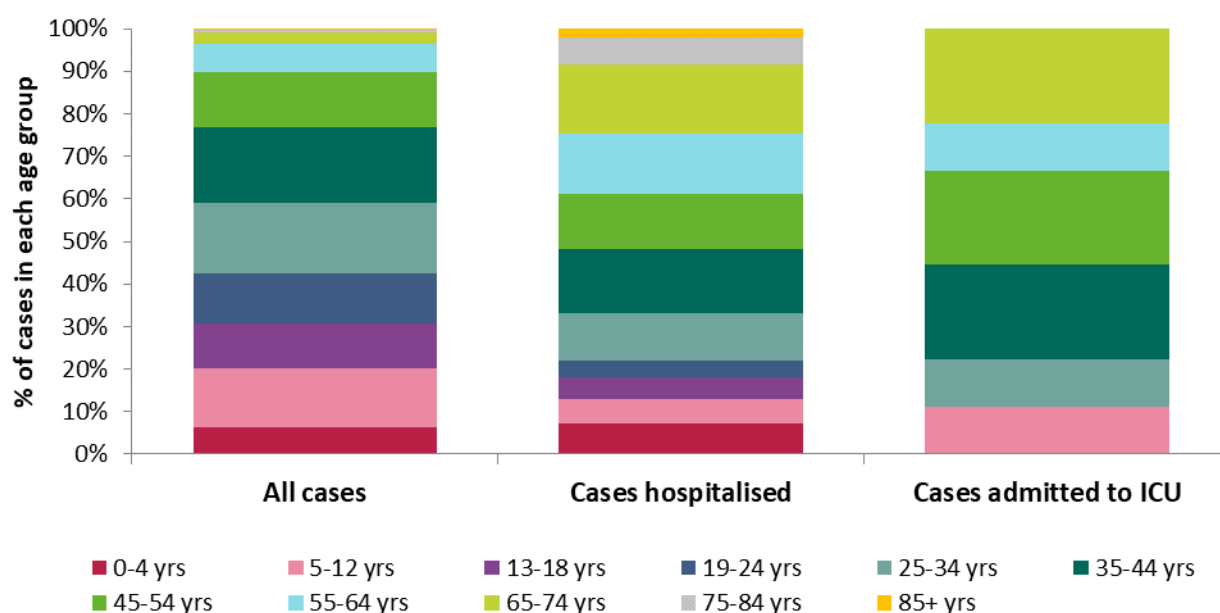| Age Group (years)	Number of cases (n)	Cases hospitalised (n)	Cases hospitalised (%)	Cases admitted to ICU (n)
0-4 yrs	378	9	6.67	0
5-12 yrs	857	5	3.70	<5
13-18 yrs	629	7	5.19	0
19-24 yrs	712	4	2.96	0
25-34 yrs	1031	14	10.37	0
35-44 yrs	1088	22	16.30	<5
45-54 yrs	793	14	10.37	0
55-64 yrs	392	21	15.56	0
65-74 yrs	164	25	18.52	<5
75-84 yrs	44	10	7.41	<5
85+ yrs	10	3	2.22	0
Unknown	1	1	0.74	0
Total	**6,099**	**135**	**100**	**5**

Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 26/04/2021 to midnight 09/05/2021 in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

* 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 11: Summary of deaths in all COVID-19 cases notified in Ireland from 27/04/2021 up to midnight 10/05/2021

		Number	Percent
Total number of deaths		6	
	Confirmed	4	66.67
	Probable	1	16.67
	Possible	1	16.67
Total number of cases hospitalised		3	50
Total number of male cases		3	50
M:F ratio		1	
Median age (years)		74	
Mean age (years)		74	
Age range (years)		65 - 87	

^ The number of deaths 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 COVID-19 deaths which occurred during the period covered by the report. It also does not reflect the final number of deaths for these cases notified during this period as the outcome may not yet have occurred, or is yet to be notified.

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

1. Data Source

Data are based on statutory notifications and were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:42 on 11/05/2021. 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. 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 CIDR. Transmission is classified as 'unknown' due to incomplete data on CIDR.
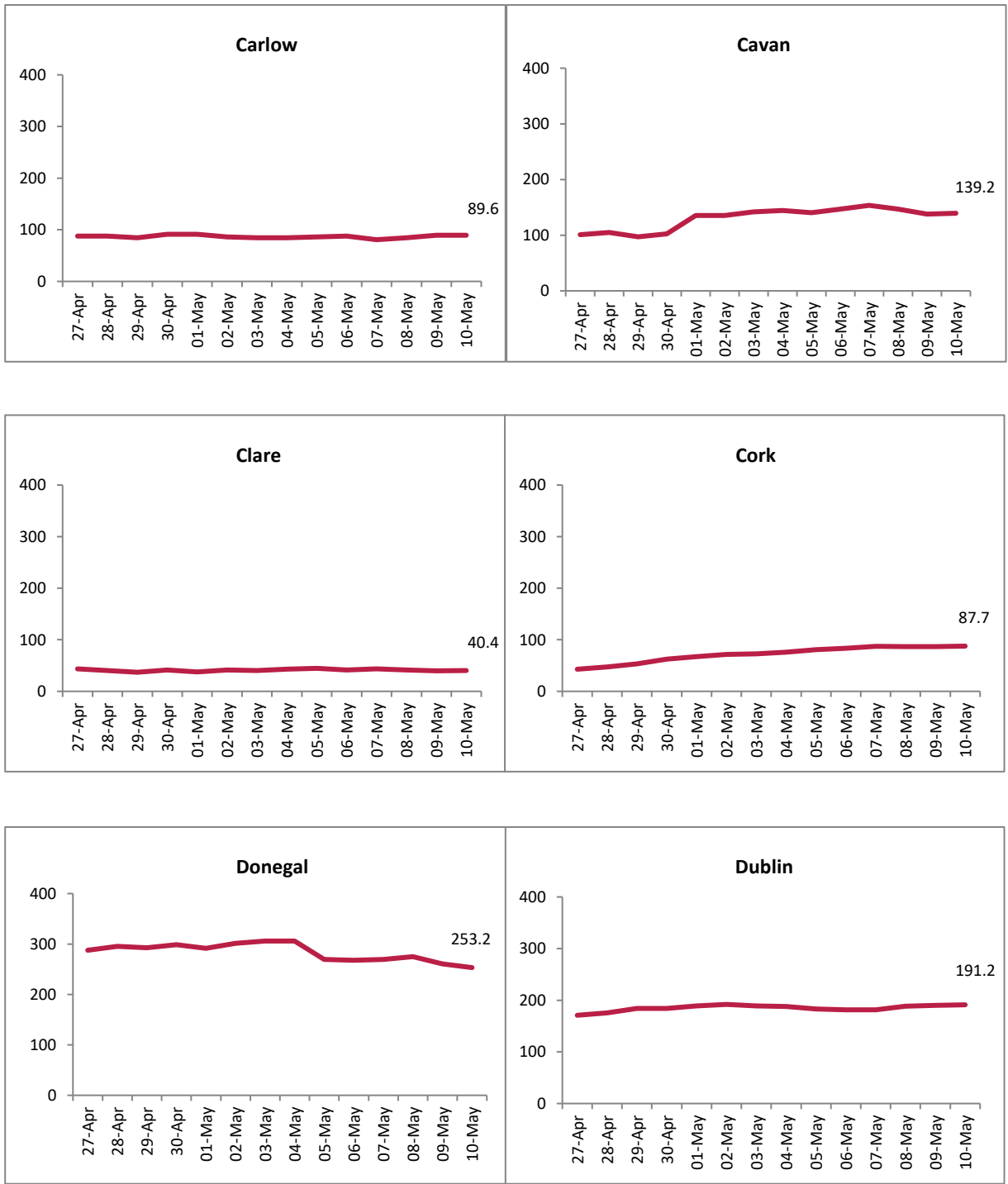
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.
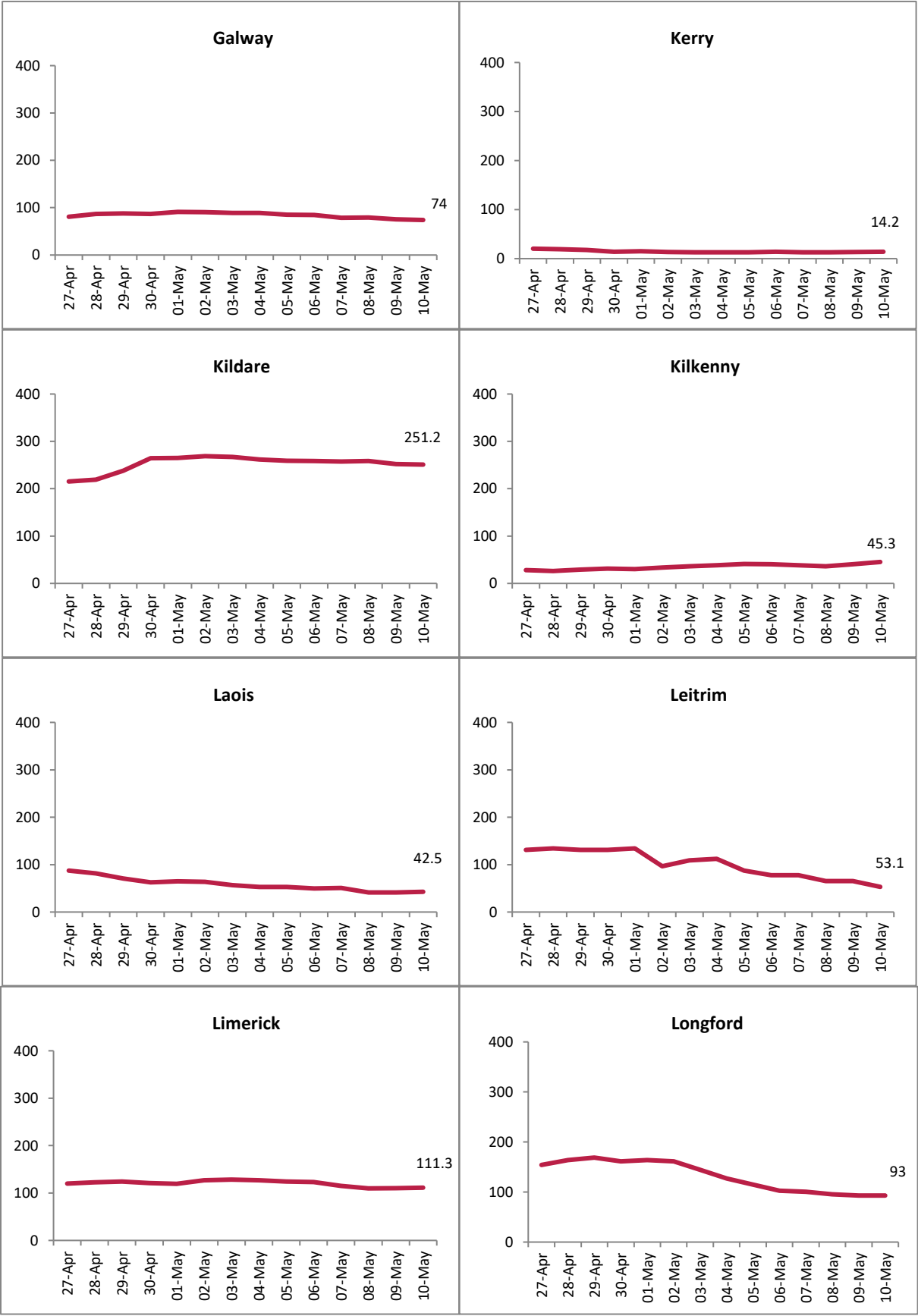
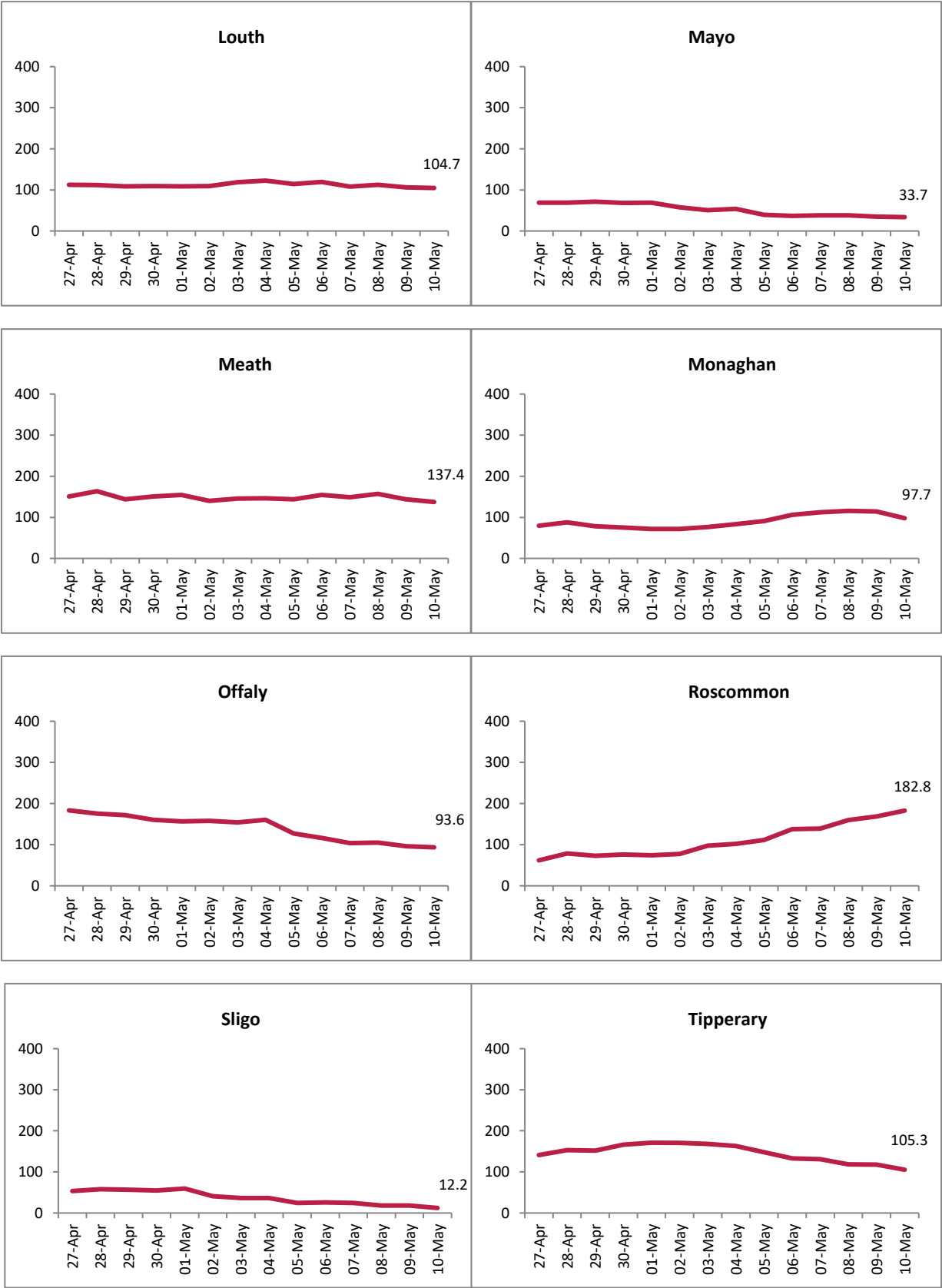WHO definition of transmission classification is specified below:
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.

- Local transmission indicates locations where the source of infection is within the reporting location.

- Imported cases only indicates locations where all cases have been acquired outside the location of reporting.
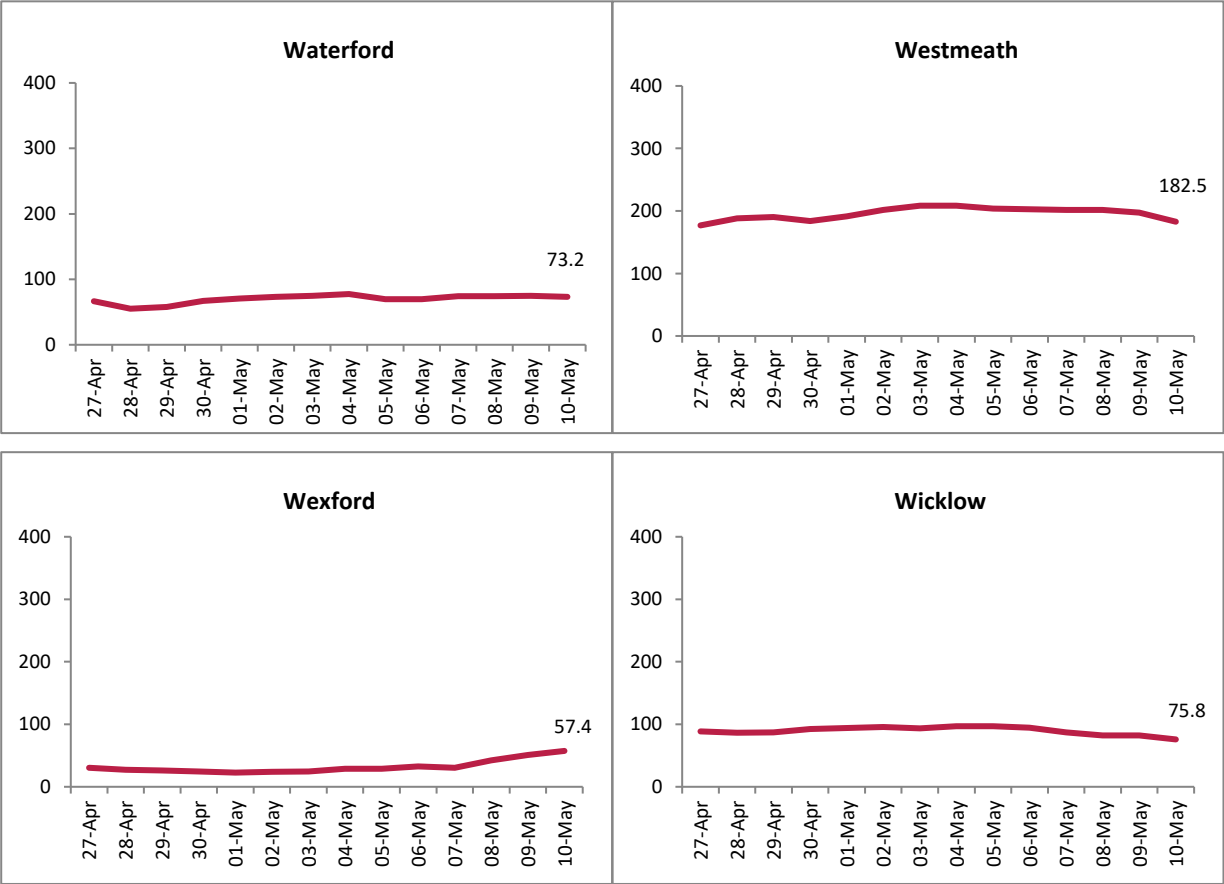
Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (27/04/2021 to 10/05/2021)

Carlow

Cavan

Clare

Cork

Donegal

Dublin

Galway

74

Kerry

14.2

Kildare

251.2

Kilkenny

45.3

Laois

42.5

Leitrim

53.1

Limerick

111.3

Longford

93

Report prepared by Health Protection Surveillance Centre on 11/05/2021

Louth

104.7

Mayo

33.7

Meath

137.4

Monaghan

97.7

Offaly

93.6

Roscommon

182.8

Sligo

12.2

Tipperary

105.3

Waterford — 73.2

Westmeath — 182.5

Wexford — 57.4

Wicklow — 75.8

Please be advised that the Dublin CCA data are being validated and the CCA graphs (Figure B) will be reintroduced once validation is complete.

Report prepared by Health Protection Surveillance Centre on 11/05/2021