Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 28/01/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 14/01/2021 up to midnight 27/01/2021

	Number	Percent
Total number of confirmed cases	29,614	
National incidence of confirmed cases per 100,000 population	621.9	
Number of cases hospitalised*	1,852	6.25
Number of cases admitted to ICU*	90	0.3
Number of deaths among confirmed cases	209	0.71
Case fatality ratio (CFR, %)	0.71	
National incidence of confirmed deaths per 100,000 population	4.39	
Number of cases** associated with clusters	3,600	12.16
Number of imported cases	12	0.04
Number of cases in healthcare workers	3,756	12.68
Males	13,703	46.27
Females	15,877	53.61
M:F ratio	0.86	
Median age (years)	41	
Mean age (years)	43	
Age range (years)	0 - 104	

* The number of cases hospitalised and admitted to ICU relate only to events notified in the last 14 days and do not include cases notified prior to this and admitted to hospital or ICU in the last 14 days

**Cases may be associated with outbreaks notified outside the timeframe of this report
14/01/2021 - 27/01/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 08:27 on 28/01/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.
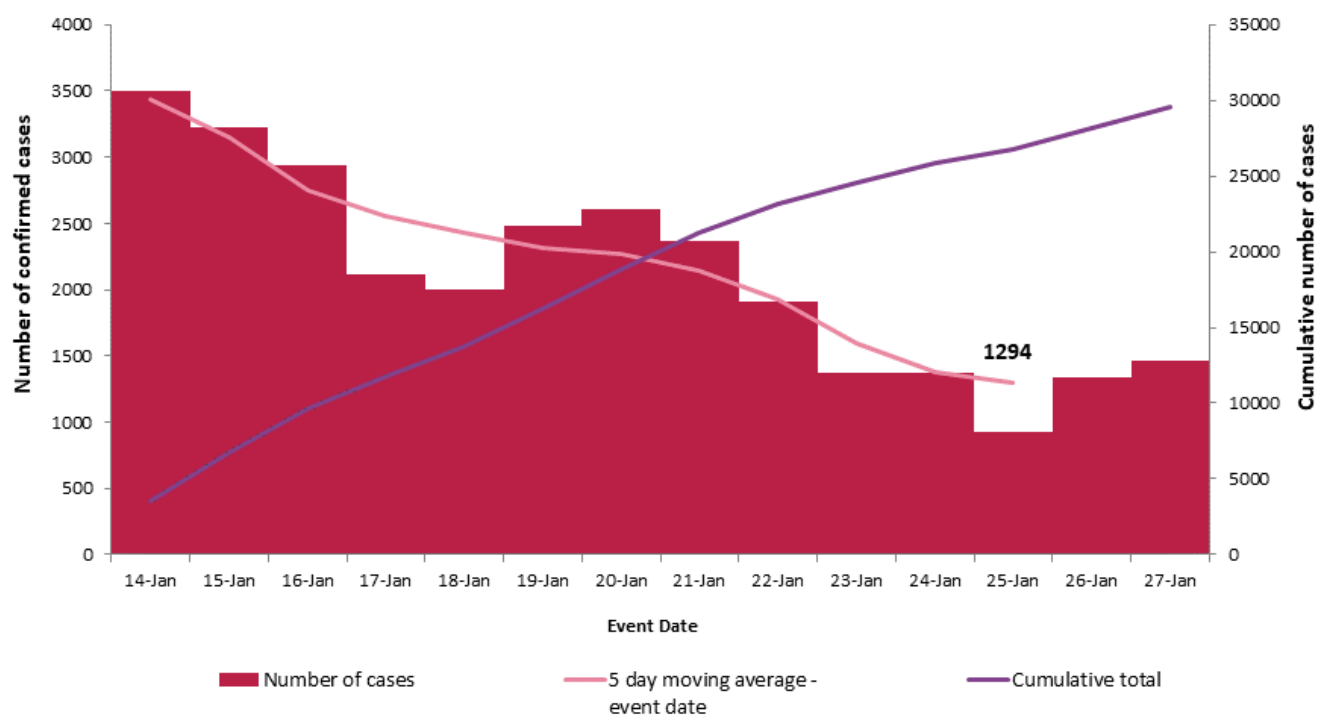
Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=29,614)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 14/01/2021 up to midnight on 27/01/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		29,614	100
Sex	Male:Female ratio	0.86	
	Male	13,703	46.27
	Female	15,877	53.61
	Unknown	34	0.11
Age	Median age (years)	41	
	Mean age (years)	43	
	Age range (years)	0 - 104	
	0-4 yrs	693	2.34
	5-12 yrs	1,030	3.48
	13-18 yrs	1,549	5.23
	19-24 yrs	2,985	10.08
	25-34 yrs	5,070	17.12
	35-44 yrs	5,054	17.07
	45-54 yrs	4,847	16.37
	55-64 yrs	3,546	11.97
	65-74 yrs	1,760	5.94
	75-84 yrs	1,640	5.54
	85+ yrs	1,396	4.71
	Unknown	44	0.15
Underlying clinical conditions	Yes	1,726	5.83
	No	20,719	69.96
	Unknown	7,169	24.21
Symptom status at time of test*	Yes	18,565	62.69
	No	3,535	11.94
	Unknown	7,514	25.37

*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 from 14/01/2021 to midnight 27/01/2021**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	2,576	658.4
CHO2	2533	559.0
CHO3	2131	553.5
CHO4	3,566	516.4
CHO5	3,355	657.4
CHO6	2345	612.0
CHO7	4,308	608.7
CHO8	3,752	605.9
CHO9	5,045	811.9
Unknown	3	
Total	**29,614**	**621.9**

Table 3: **Number of confirmed COVID-19 cases by county notified in Ireland from 14/01/2021 to midnight 27/01/2021**

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (23/01/2021-27/01/2021)
Monaghan	843	1373.3	49
Louth	1,171	908.6	63
Carlow	498	874.7	25
Waterford	1,007	866.8	51
Dublin	9,882	733.4	409
Mayo	953	730.2	43
Wexford	1,062	709.3	54
Limerick	1,303	668.6	51
Offaly	486	623.4	25
Meath	1,184	607.0	50
Cavan	457	599.9	16
Donegal	955	599.9	40
Cork	3,090	569.2	128
Kildare	1,262	567.2	45
Galway	1,390	538.6	68
Laois	427	504.2	16
Tipperary	793	497.0	33
Clare	494	415.8	22
Wicklow	555	389.7	26
Sligo	252	384.5	12
Longford	148	362.1	10
Westmeath	311	350.3	18
Kilkenny	346	348.7	15
Kerry	476	322.3	17
Roscommon	190	294.4	5
Leitrim	79	246.5	4
Total	**29,614**	**621.9**	**1,294**

Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 14/01/2021 and 27/01/2021

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 with a notification date between 14/01/2021 and 27/01/2021

CCA	Local Health Office	Number of cases in past 14 days based on notification date	14 day incidence rates based on notification dates
CCA1	Dublin South	623	457.8
CCA2	Dublin South East	1,187	959.5
CCA3	Dublin South City	801	534.2
CCA4	Dublin South West	1,001	622.1
CCA5	Dublin West	1,225	788.6
CCA6	Dublin North West	2,040	982.3
CCA7	Dublin North Central	1,473	952.9
CCA8	Dublin North	1,532	591.2
	Dublin	**9,882**	**733.4**

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.
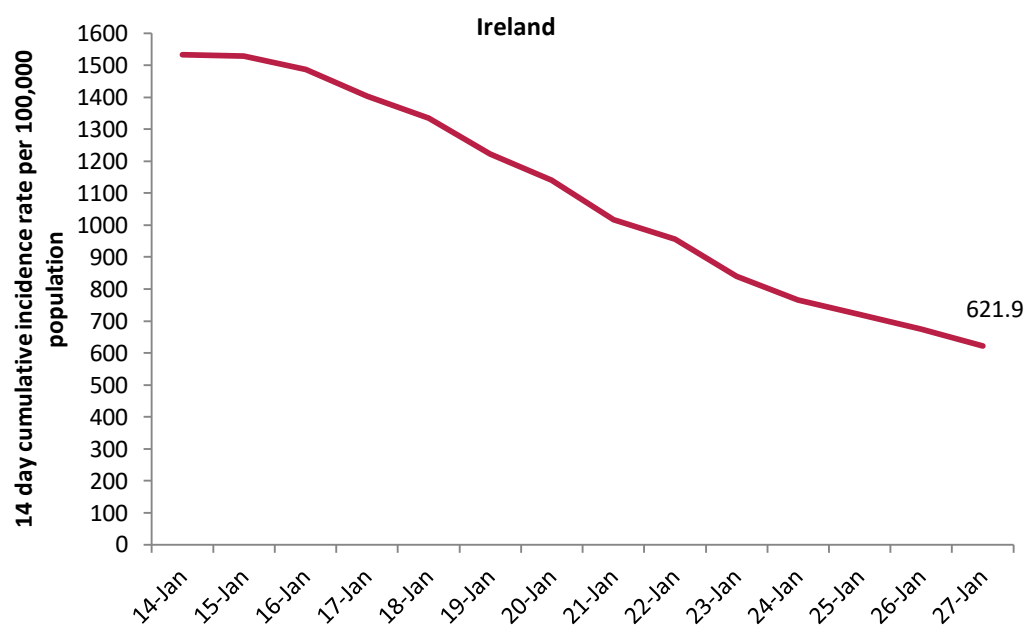
Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (14/01/2021 to 27/01/2021)

*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 14/01/2021 to midnight 27/01/2021

Most likely transmission source	Number of cases	Percent
Travel related	133	0.45%
Close contact with a known confirmed case	9,894	33.41%
Healthcare setting acquired: patient	1,920	6.48%
Healthcare setting acquired: staff	1,864	6.29%
Community transmission	4,879	16.48%
Under investigation	10,924	36.89%
Total	**29,614**	**100%**

*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 14/01/2021 to midnight 27/01/2021 by age group, hospitalisation and ICU admission*

Age Group (years)	Number of cases (n)	Cases hospitalised (n)	Cases hospitalised (%)	Cases admitted to ICU (n)	Cases admitted to ICU (%)
0-4 yrs	693	17	0.92	0	0
5-12 yrs	1030	14	0.76	0	0
13-18 yrs	1549	32	1.73	<5	
19-24 yrs	2985	75	4.05	0	0
25-34 yrs	5070	112	6.05	<5	
35-44 yrs	5054	151	8.15	10	11.11
45-54 yrs	4847	191	10.31	11	12.22
55-64 yrs	3546	230	12.42	27	30.00
65-74 yrs	1760	273	14.74	20	22.22
75-84 yrs	1640	442	23.87	14	15.56
85+ yrs	1396	315	17.01	<5	
Unknown	44			0	0
Total	**29,614**	**1,852**	**100**	**90**	**100**

* The number of cases hospitalised and admitted to ICU relate only to events notified in the last 14 days and do not include cases notified prior to this and admitted to hospital or ICU in the last 14 days

Deaths among COVID-19 cases

Table 7: Summary of deaths in all COVID-19 cases notified in Ireland from 14/01/2021 up to midnight 27/01/2021

		Number	Percent
Total number of deaths		214	
	Confirmed	209	97.66
	Probable	3	1.4
	Possible	2	0.93
Total number of cases hospitalised		104	48.6
Number with underlying clinical conditions		122	57.01
Total number of male cases		104	48.6
M:F ratio		0.95	
Median age (years)		83	
Mean age (years)		82	
Age range (years)		41 - 100	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 14/01/2021 up to midnight 27/01/2021

Age group (years)	Female	Male	Total	Percent
35-54 yrs	*	*	4	1.86
55-64 yrs	*	*	8	3.74
65-74 yrs	12	16	28	13.08
75-84 yrs	37	44	81	37.85
85+ yrs	58	35	93	43.46
Total	110	104	214	100
Percent	51.4	48.6		

*One or both values <5

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 statutory notifications and were extracted from Computerised Infectious Disease Reporting (CIDR) system at 08:27 on 28/01/2021. Data are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

3. Population data

Population data were taken from Census 2016. Data were aggregated into the following age groups for the analysis: 0-4 years, 5-14 years, 15-24 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.
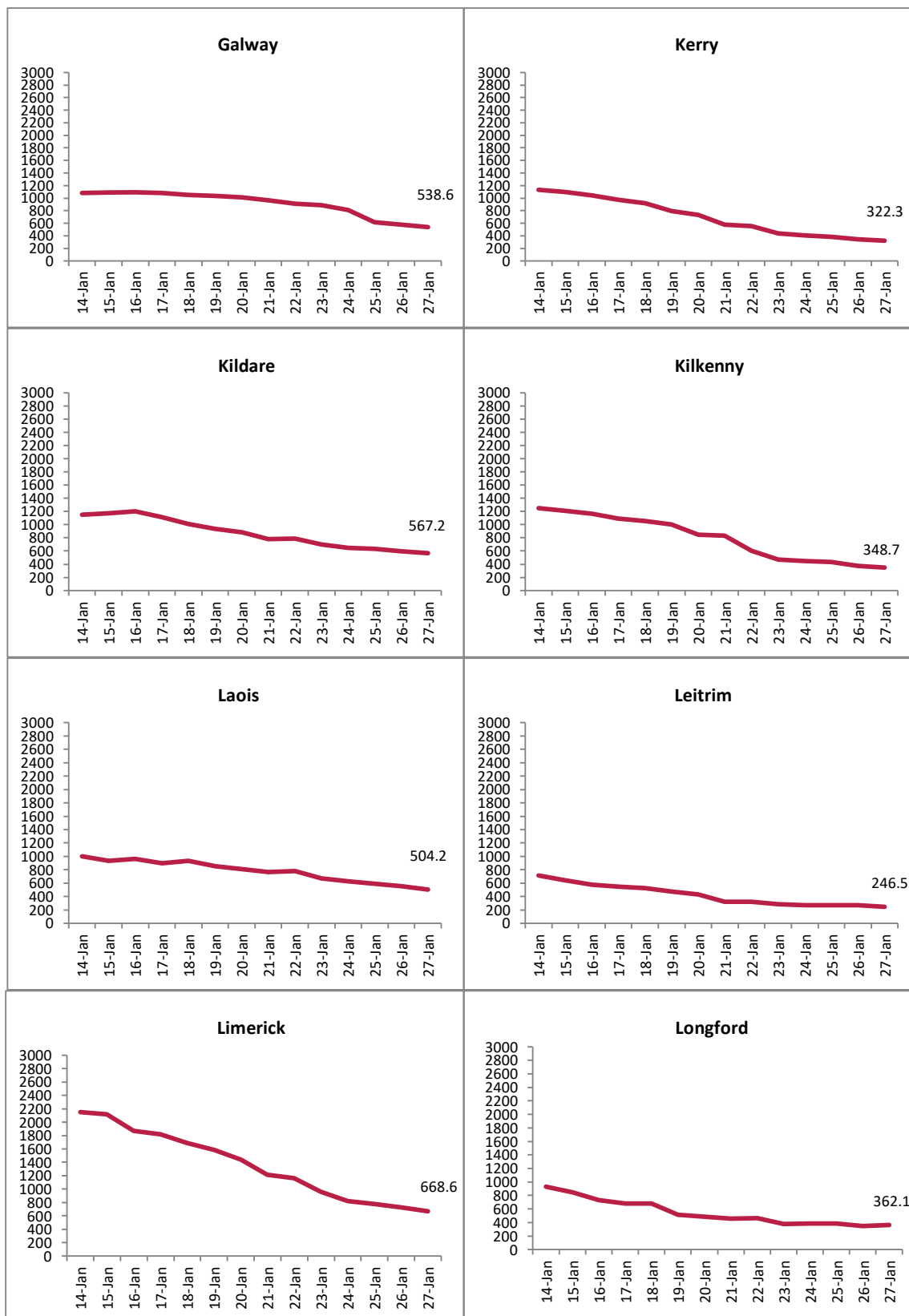
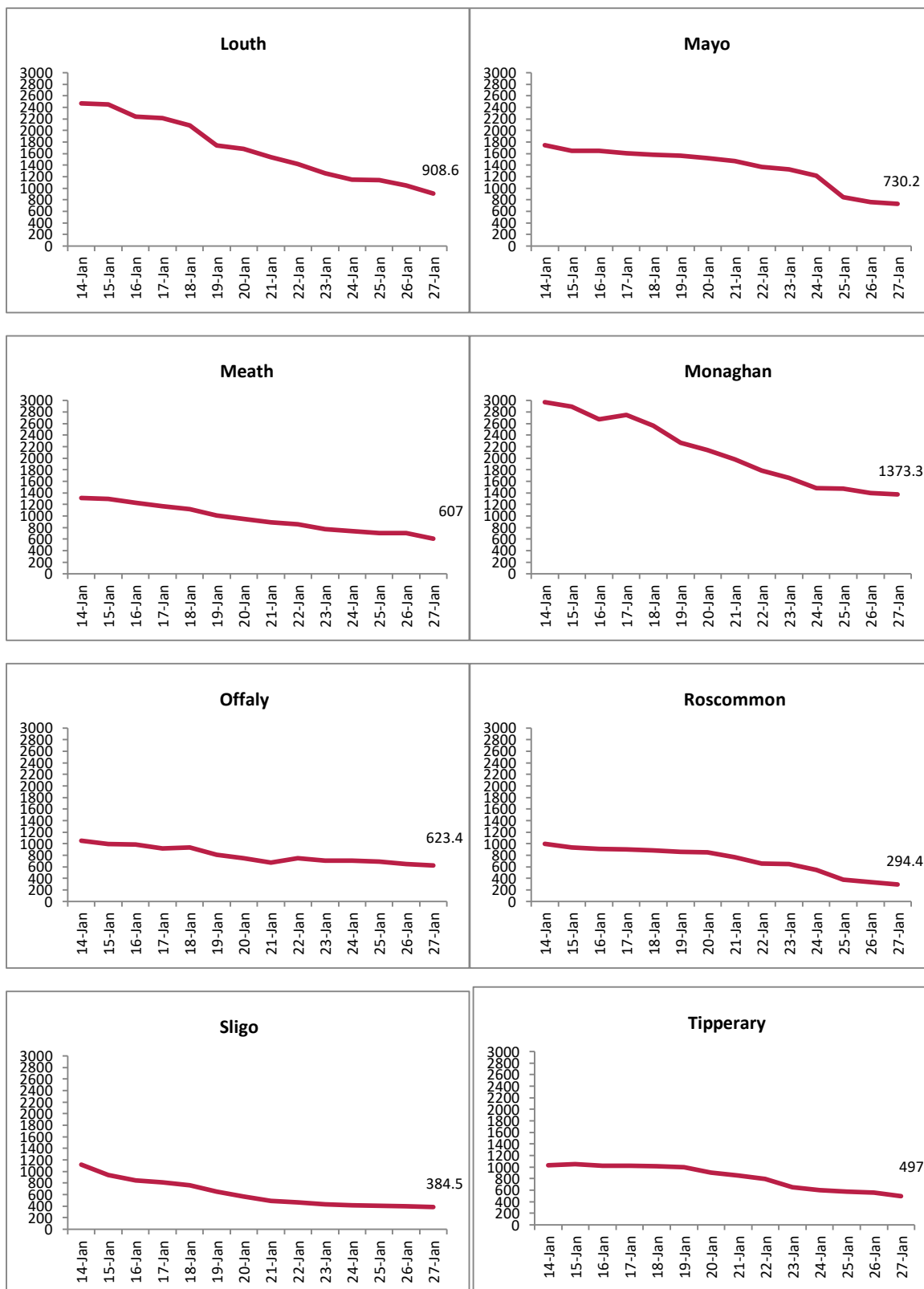WHO definition of transmission classification is specified below:
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.

- 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 (14/01/2021 to 27/01/2021)
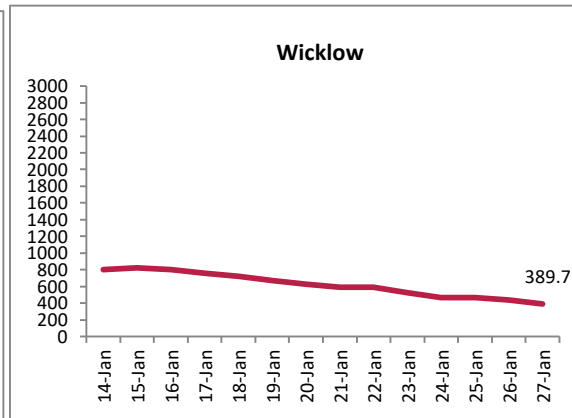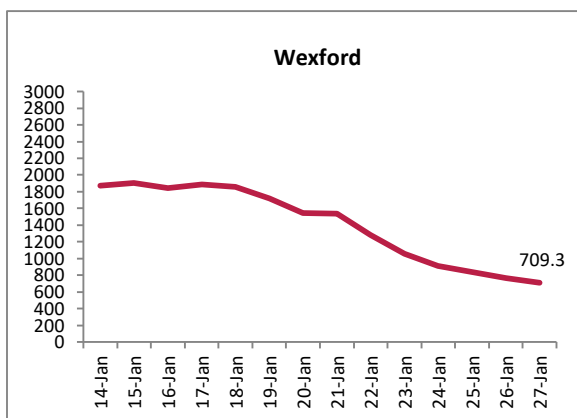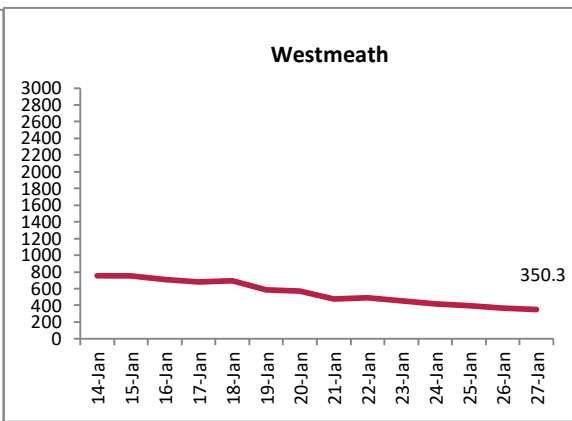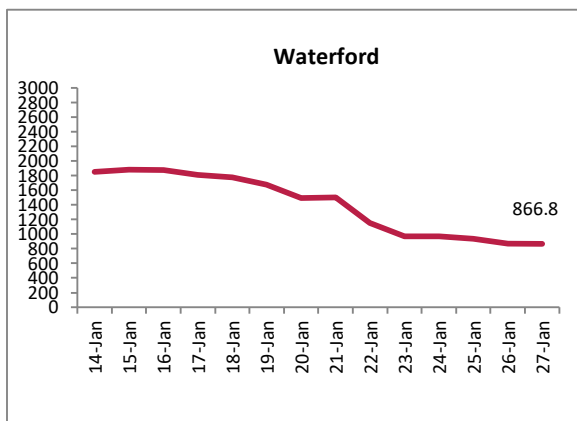

Carlow — 874.7

Cavan — 599.9

Clare — 415.8

Cork — 569.2

Donegal — 599.9

Dublin — 733.4

Galway

538.6

Kerry

322.3

Kildare

567.2

Kilkenny

348.7

Laois

504.2

Leitrim

246.5

Limerick

668.6

Longford

362.1

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Louth

Mayo

908.6

730.2

Meath

Monaghan

607

1373.3

Offaly

Roscommon

623.4

294.4

Sligo

Tipperary

384.5

497

Report prepared by Health Protection Surveillance Centre on 28/01/2021

Waterford
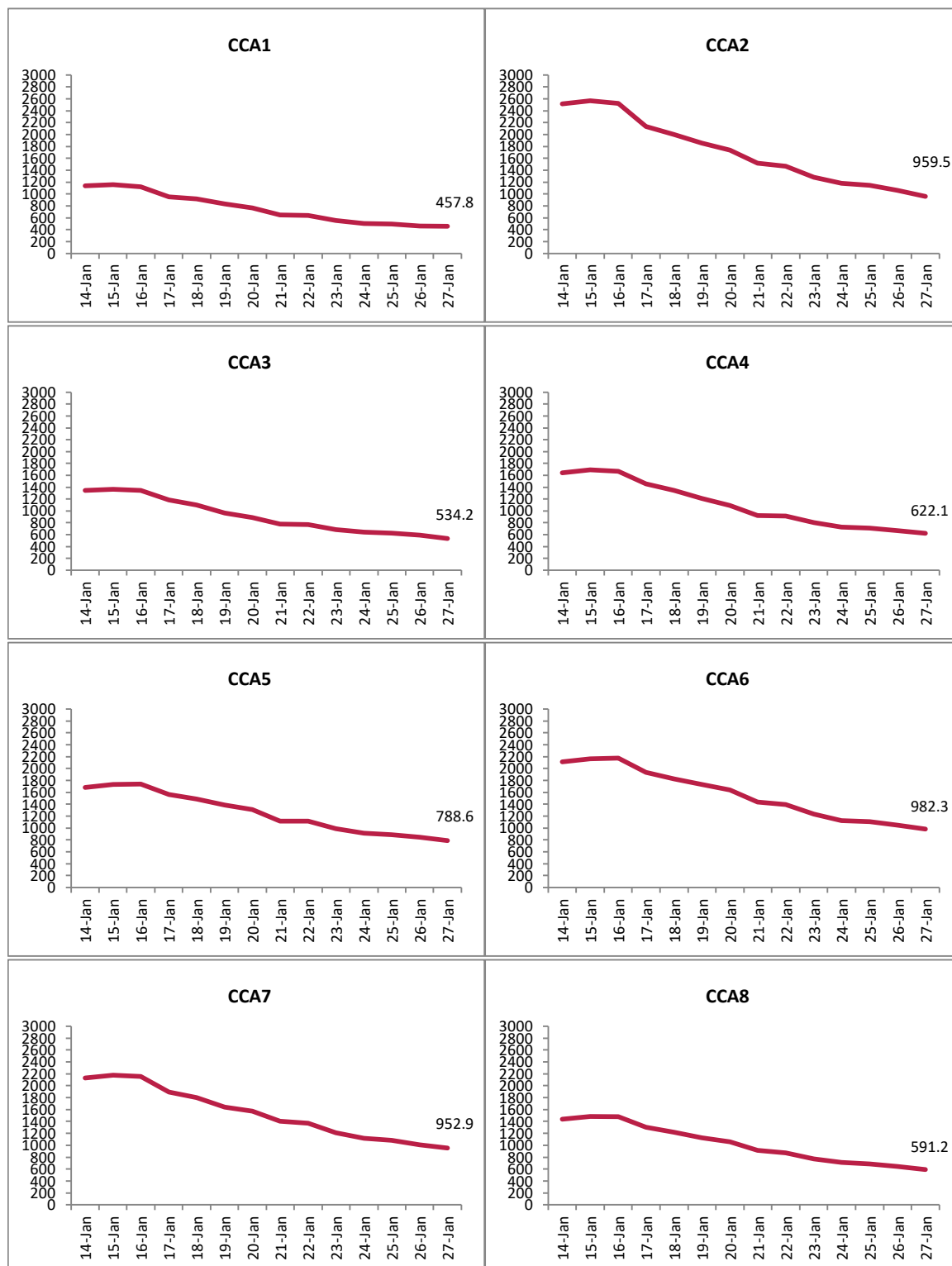
866.8

Westmeath

350.3

Wexford

709.3

Wicklow

389.7

Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (14/01/2021 to 27/01/2021)