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Summary report of epidemiological data by country on date of lockdown and easing V3

1 May 2020

This report presents a summary of epidemiological data on the date of lockdown and easing of restrictions (including announcement to ease restrictions and date restrictions were lifted, where applicable). The countries included in the report are Austria, Czech Republic, Denmark, Finland, France, Ireland, New Zealand, Norway, and the UK. The epidemiological parameters detailed in the report include:

- Total number of cases
- Number of new cases
- Five-day rolling average percentage change in new cases
- Rate of doubling of cases (days)
- Cases per 100,000 population
- Total number of deaths
- Number of new deaths
- Five-day rolling average percentage change in deaths
- Case-fatality rate
- Mortality rate per 100,000 population
- Reproductive number
- Date of highest number of new cases

Lockdown is defined as the date on which a country imposed its most severe restrictions on its nation:

- Austria: A curfew for the whole population was implemented and leaving the house was only permitted for certain circumstances (16 March)
- Czech Republic: The government restricted free movement (16 March).
- Denmark: Gatherings of no more than 10 people were allowed (16 March).
- Finland: Public events and gatherings with more than 10 people were banned (16 March).
- France: President announced a total lock-down (stay-at-home) policy from (18 March)
- Ireland: Stay at home measures were introduced for the whole population (27 March)
- New Zealand: Moved to Alert Level 4 (stay at home) (26 March).
- Norway: Gatherings were limited to 5 people (12 March).
- UK: Gatherings limited to no more than two people in public (23 March).

There are two tables presented in this report:

- Table 1 presents a summary of the epidemiological data on the date of lockdown and easing.
- Table 2 presents a summary of the epidemiological data on the 27 March.

Data on the number of cases and deaths derives from the European Centre for Disease Prevention and Control (ECDC) COVID-19 dataset. Evidence on the reproductive number is provided by the Imperial College London modelling group.

It is important to note that the number of cases in any country can be heavily influenced by the testing strategy adopted in that country, which can vary over time, causing large and small fluctuations in the number of new cases recorded each day. The number of deaths in any country is also affected by the way in which deaths are recorded. Some countries do not record deaths across all sectors, while others report confirmed deaths only; in Ireland, deaths are reported as confirmed and probable.

Table 1 Summary of epidemiological data at date of lockdown and easing

Country	Decision	Date	Total cases	Number of new cases	5-day rolling average % change, cases \pm	Rate of doubling of cases (days)*	Cases / 100,000 population	Total number of deaths	Number of new deaths	5-day rolling average % change, deaths \pm	Case fatality rate	Mortality rate / 100,000	Reproductive number, Rt \dagger	Date of highest number of new cases \ddagger
Ireland	Lockdown	27-Mar	2,121	302	17.5%	2.4	43	22	3	12.5%	1.0%	0.45	1.4 to 2.0	9 April - 1,169
	<i>Last available data</i>	28-Apr	19,877	229	-23.7%	4.1	403	1,159	57	9.6%	5.8%	23.52	0.4 to 0.6	
Denmark	Lockdown	18-Mar	1,115	91	-10.6%	2.0	19	4	0	0.0%	0.4%	0.07	1.5 to 2.7	7 April - 390
	Easing ¹	30-Mar	2,577	182	6.1%	2.8	45	77	5	-2.4%	3.0%	1.33	0.5 to 0.8	
	Easing ²	15-Apr	6,681	170	-1.6%	3.8	115	309	10	-11.1%	4.6%	5.34	0.5 to 0.8	
	Easing ³	20-Apr	7,515	131	-4.5%	4.1	130	364	9	-1.8%	4.8%	6.29	0.5 to 0.8	
Norway	Lockdown	12-Mar	621	132	26.1%	1.6	11	1	1	-	0.2%	0.02	2.6 to 5.0	27 March - 425
	Easing ⁴	07-Apr	5,863	108	-14.9%	3.3	108	69	10	-34.6%	1.2%	1.27	0.5 to 0.8	
	Easing ⁵	20-Apr	7,166	45	-13.1%	4.2	132	154	0	-20.6%	2.1%	1.27	0.5 to 0.8	
Czech Republic	Lockdown	16-Mar	298	84	35.1%	2.3	3	0	-	-	-	-	No data	27 March - 408
	Easing ⁶	09-Apr	5,312	295	-3.2%	3.6	50	99	11	4.5%	1.9%	0.92	No data	
	Easing ⁷	14-Apr	6,059	68	-23.3%	4.0	57	143	5	-12.0%	2.4%	1.34	No data	
	Easing ⁸	27-Apr	7,404	52	-17.1%	5.1	69	221	3	-9.1%	3.0%	2.06	No data	
Austria	Lockdown	16-Mar	1,016	156	13.6%	2.2	11	3	2	200.0%	0.3%	0.03	1.7 to 3.2	26 March - 1,141
	Easing ⁹	06-Apr	12,297	314	-11.9%	3.3	137	220	16	-2.6%	1.8%	2.45	0.6 to 0.8	
	Easing ¹⁰	14-Apr	14,234	191	-8.2%	3.8	158	384	16	-6.3%	2.7%	4.27	0.6 to 0.8	
New Zealand	Lockdown	26-Mar	338	76	30.1%	3.2	7	0	-	-	-	-	No data	30 March - 95
	Easing ¹¹	20-Apr	1,107	2	-14.8%	5.1	23	13	1	33.3%	1.2%	0.27	No data	
	Easing ¹²	28-Apr	1,126	2	0.0%	5.9	23	19	0	-33.3%	1.7%	0.39	No data	
UK	Lockdown	23-Mar	6,650	967	7.7%	3.9	10	335	54	5.0%	5.0%	0.49	1.6 to 2.8	10 April - 8,681
	Easing ¹³	16-Apr	103,093	4,617	-14.5%	4.5	152	13,729	861	-1.4%	13.3%	20.24	0.6 to 0.7	
France	Lockdown	18-Mar	9,192	1,404	12.8%	3.3	14	244	69	44.7%	2.7%	0.37	1.8 to 3.1	31 March - 7,578
	Easing ¹⁴	28-Apr	126,893	1,065	-8.9%	5.5	194	23,660	367	-7.6%	18.6%	36.26	0.7 to 0.8	
Finland	Lockdown	16-Mar	272	5	-6.2%	3.7	5	0	-	-	-	-	No data	4 April - 267
	Easing ¹⁵	29-Apr	4,740	45	-19.4%	6.1	86	199	6	-38.6%	4.2%	3.59	No data	

* From 1st confirmed case in each country. \pm These data can be influenced by the dates chosen; a shift in the date forward or back can have an impact on the percentage change. \dagger Describes the reproductive number at time t. Under restrictions, the reproductive number is expected to remain constant but may fluctuate. \ddagger The date on which the highest number of cases has been reported is subject to influence by a change in testing strategy, for example, or return of awaited test results.

¹: Announcement of plans to ease restrictions in Denmark; ²: Gradual reopening of schools; ³ Certain workplaces where contact cannot be avoided are reopened (eg, hairdressers); ⁴ Announcement of plans to ease restrictions in Norway; ⁵ Re-opened select services (eg, day-care centres); ⁶ Announcement of plans to ease restrictions and lifting of restriction on select services (eg waste collection yards); ⁷ Weddings with no more than 10 people allowed; ⁸ Attendance at services of religious worship allowed, subject to a maximum of 15 people; ⁹ Announcement of plans to ease restrictions in Austria; ¹⁰ Select non-essential businesses (eg DIY and garden centres) reopen; ¹¹ Announcement of downgrading from Alert Level 4 to Level 3; ¹² Downgraded to Alert Level 3; ¹³ Outlined criteria for scaling back restrictions, but none taken to date; ¹⁴ National strategy of deconfinement announced; ¹⁵ Plan for easing restrictions agreed [Data for 28 April used].

Table Summary of epidemiological data at 27 March

Country	Date of lockdown	Days into lockdown by 27 March 2020	Total cases	Number of new cases	5-day rolling average % change, cases±	Rate of doubling of cases (days)*	Cases / 100,000 population	Total number of deaths	Number of new deaths	5-day rolling average % change, deaths±	Case fatality rate	Mortality rate / 100,000	Reproductive number, Rt†	Date of highest number of new cases
Ireland	27-Mar	-	2,121	302	17.5%	2.4	43	22	3	12.5%	1.0%	0.45	1.44 to 2.05	9 April - 1,169
Denmark	18-Mar	9	2,046	169	18.1%	2.6	35	52	11	39.3%	2.5%	0.90	0.53 to 0.77	7 April - 390
Norway	12-Mar	15	3,581	425	17.8%	2.5	66	16	2	28.6%	0.4%	0.30	0.46 to 0.75	27 March - 425
Czech Republic	16-Mar	11	2,062	408	42.3%	2.8	19	9	3	50.0%	0.4%	0.08	No data	27 March - 408
Austria	16-Mar	11	7,697	668	1.5%	2.6	86	68	16	18.2%	0.9%	0.76	0.56 to 0.8	26 March - 1,141
New Zealand	26-Mar	1	416	78	15.4%	3.2	9	0	0	-	-	-	No data	30 Mar - 95
UK	23-Mar	4	14,543	2,885	33.4%	3.8	21	759	181	38.6%	5.2%	1.12	0.56 to 0.71	11 April - 8,719
France	18-Mar	9	32,964	3,809	15.3%	3.6	51	1,995	299	16.5%	6.1%	3.06	0.68 to 0.84	31 March - 7,578
Finland	16-Mar	11	1,025	67	-8.7%	4.1	19	7	3	100.0%	0.7%	0.13	No data	4 April - 267

* From 1st confirmed case in each country. ± These data can be influenced by the dates chosen; a shift in the date forward or back can have an impact on the percentage change. †Describes the reproductive number at time t. Under restrictions, the reproductive number is assumed to remain constant but may fluctuate. ‡ The date on which the highest number of cases has been reported is subject to influence by a change in testing strategy, for example, or return of awaited test results.

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