



## Underlying conditions in confirmed cases of COVID-19 in Ireland

Report prepared by HPSC on 01/02/2021

As part of the public health follow-up of confirmed cases of COVID-19, information is routinely collected on whether a case has the following underlying medical conditions: chronic heart disease, chronic neurological disease, chronic respiratory disease, chronic kidney disease, chronic liver disease, hypertension, asthma requiring medication, immunodeficiency, diabetes mellitus, BMI  $\geq$  40, cancer/malignancy, pregnancy and/or other comorbidities. Data for this report were extracted from Computerised Infectious Disease Reporting (CIDR) system up to midnight Saturday January 30<sup>th</sup> on 01/02/2021 at 08:30 am.

Up to midnight 30/01/2021, there were 196,491 confirmed cases of COVID-19;

- 73.1% (n=143,574) had no underlying medical condition
- 14.4% (n=28,349) had an underlying medical condition and
- 12.5% (n=24,568) were unknown/not reported

Of those with an underlying condition reported, 49.3% (n=13,970) had one underlying medical condition, 23.3% (n=6,615) had two underlying medical conditions; and 16.4% (n=4,661) had three or more underlying medical conditions reported. A further 11.0% (n=3,103) had no specific underlying medical condition reported.

Table 1 describes the number and proportion of individuals with and without underlying medical conditions in different settings.

Table 2 describes the number and proportion of individuals with and without underlying medical conditions by age group.

Table 3 lists specific underlying medical conditions and the number and proportion in different settings (as a proportion of cases where there is an underlying condition). The five most commonly reported conditions overall were, chronic respiratory disease, hypertension, chronic heart disease, diabetes mellitus and chronic neurological disease.

In addition to the conditions listed in Table 3, 11,898 cases were reported to have “other comorbidity” and 985 cases were reported to be pregnant.

**Table 1: Underlying medical conditions in individuals with confirmed COVID-19 by setting, up to midnight 30/01/2021**

	Community		Acute Hospital		All settings		ICU		Died	
	Number	%	Number	%	Number	%	Number	%	Number	%
Underlying condition	23,276	12.5%	5,073	46.3%	28,349	14.4%	935	88.0%	2,487	81.5%
No underlying conditions	139,421	75.1%	4,153	37.9%	143,574	73.1%	126	11.9%	311	10.2%
Unknown	22,845	12.3%	1,723	15.7%	24,568	12.5%	2	0.2%	252	8.3%
<b>Total</b>	<b>185,542</b>	<b>100.0%</b>	<b>10,949</b>	<b>100.0%</b>	<b>196,491</b>	<b>100.0%</b>	<b>1063</b>	<b>100.0%</b>	<b>3,050</b>	<b>100.0%</b>

**Table 2: Underlying medical conditions in individuals with confirmed COVID-19 by age group, up to midnight 30/01/2021**

	0-14 yrs		15-24 yrs		25-34 yrs		35-44 yrs		45-54 yrs		55-64 yrs		65-74 yrs		75+ yrs		Unk		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Underlying condition	898	5.6%	2,198	6.4%	3,107	8.8%	3,370	10.7%	4,361	14.5%	4,267	18.7%	3,383	30.1%	6,761	44.8%	4	5.3%	28,349	14.4%
No underlying condition	13,769	85.1%	28,506	83.2%	27,900	79.2%	24,417	77.3%	22,018	73.5%	15,737	69.0%	6,309	56.1%	4,910	32.5%	8	10.5%	143,574	73.1%
Unknown	1,512	9.3%	3,571	10.4%	4,240	12.0%	3,800	12.0%	3,595	12.0%	2,799	12.3%	1,553	13.8%	3,434	22.7%	64	84.2%	24,568	12.5%
<b>Total</b>	<b>16,179</b>	<b>100.0%</b>	<b>34,275</b>	<b>100.0%</b>	<b>35,247</b>	<b>100.0%</b>	<b>31,587</b>	<b>100.0%</b>	<b>29,974</b>	<b>100.0%</b>	<b>22,803</b>	<b>100.0%</b>	<b>11,245</b>	<b>100.0%</b>	<b>15,105</b>	<b>100.0%</b>	<b>76</b>	<b>100.0%</b>	<b>196,491</b>	<b>100.0%</b>

**Table 3: Specific underlying medical conditions in individuals with confirmed COVID-19 by setting (as a proportion of cases who have an underlying condition), up to midnight 30/01/2021**

	Community (n=23,276)		Acute Hospital (n=5,073)		All settings (n=28,349)		ICU (n=935)		Died (n=2,487)	
Chronic respiratory disease	5,857	25.2%	1,323	26.1%	7,180	25.3%	300	32.1%	489	19.7%
Chronic heart disease	3,447	14.8%	1,915	37.7%	5,362	18.9%	446	47.7%	1,043	41.9%
Hypertension	4,780	20.5%	1,480	29.2%	6,260	22.1%	406	43.4%	575	23.1%
Diabetes mellitus	2,335	10.0%	1,030	20.3%	3,365	11.9%	278	29.7%	427	17.2%
Chronic neurological disease	2,395	10.3%	796	15.7%	3,191	11.3%	56	6.0%	841	33.8%
Cancer/malignancy	1,134	4.9%	742	14.6%	1,876	6.6%	131	14.0%	422	17.0%
Chronic kidney disease	761	3.3%	564	11.1%	1,325	4.7%	97	10.4%	296	11.9%
Asthma requiring medication	397	1.7%	262	5.2%	659	2.3%	138	14.8%	63	2.5%
Immunodeficiency including HIV	724	3.1%	232	4.6%	956	3.4%	74	7.9%	69	2.8%
BMI ≥ 40	175	0.8%	206	4.1%	381	1.3%	151	16.1%	48	1.9%
Chronic liver disease	269	1.2%	151	3.0%	420	1.5%	33	3.5%	53	2.1%

### Technical Notes

- Data up to midnight Saturday January 30<sup>th</sup> were extracted from Computerised Infectious Disease Reporting (CIDR) system at 08:30am on 01/02/2021.
- Data provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.
- Acute Hospital refers to hospital in-patients and includes ICU cases; Community refers to all other cases
- Cases may have more than one underlying medical condition and therefore column totals in Table 3 will not add up to the number of cases in each category

### Acknowledgements

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Prepared by HPSC Epi Team on 01/02/2021.