



Underlying conditions in confirmed cases of COVID-19 in Ireland 27/07/2020

Information is available on underlying medical conditions for 19,560 confirmed cases of COVID-19 for notifications up to midnight 25/07/2020.

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.

A total of 25,881 confirmed cases of COVID-19 have been reported up to midnight 25/07/2020 with data on underlying medical conditions available for 19,560 of these cases.

Of the total cases with data available on underlying medical conditions (n=19,560), 51.4% (n=10,059) are reported to have an underlying medical condition: 22.2% (n=4,349) with one underlying medical condition; 11.9% (n=2,324) with two underlying medical conditions; and 9.1% (n=1,788) with three or more underlying medical conditions. A further 8.1% (n=1,598) were reported to have an underlying medical condition but did not have a specific underlying condition listed.

Table 1 lists the main underlying medical conditions and the number and proportion in community, hospital, ICU and all settings. The five most commonly reported conditions overall were chronic heart disease, chronic respiratory disease, hypertension, diabetes mellitus and chronic neurological disease.

Of the 292 cases with BMI \geq 40, 21.9% (n=64) were also reported to have diabetes mellitus.

Table 1: Underlying medical conditions by setting, up to midnight 25/07/2020^{1,2}

	Community		Hospital		ICU		All settings	
Chronic heart disease	1703	10.2%	986	35.2%	215	49.1%	2689	13.7%
Chronic respiratory disease	1506	9.0%	553	19.7%	107	24.4%	2059	10.5%
Hypertension	896	5.3%	426	15.2%	129	29.5%	1322	6.8%
Diabetes	749	4.5%	457	16.3%	110	25.1%	1206	6.2%
Chronic neurological disease	856	5.1%	349	12.4%	21	4.8%	1205	6.2%
Cancer/malignancy	389	2.3%	349	12.4%	50	11.4%	738	3.8%
Chronic kidney disease	278	1.7%	276	9.8%	40	9.1%	554	2.8%
Asthma requiring medication	306	1.8%	156	5.6%	49	11.2%	462	2.4%
Immunodeficiency including HIV	282	1.7%	114	4.1%	26	5.9%	396	2.0%
BMI \geq 40	163	1.0%	129	4.6%	79	18.0%	292	1.5%
Chronic liver disease	93	0.6%	69	2.5%	15	3.4%	162	0.8%

¹ 4,129 were reported to have "other co-morbidity" and 181 were reported to be pregnant

² Community refers to all cases that were not hospital in-patients

Data on underlying medical conditions were available for 1,460 confirmed cases who died; 43.4% (n=634) had chronic heart disease; 34.0% (n=496) had chronic neurological disease; 17.7% (n=258) had chronic respiratory disease; 15.4% (n=225) had cancer/malignancy; and 16.0% (n=233) had hypertension.

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