



DOENÇAS CRÔNICAS **vs.** **VULNERABILIDADE** (GRUPO DE RISCO)

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Comorbidity

Source: **ISARIC**, 2020; **Guan et al.**, ERJ, 2020; **Yang et al.**, Int J Infect Dis, 2020; **Zhou et al.**, Lancet, 2020; **Huang et al.**, Lancet, 2020; **Chen et al.**, Lancet, 2020; **Chow et al.**, CDC, 2020; **Yang et al.**, Lancet Resp Med, 2020; **Zhang et al.**, Allergy, 2020; **Onder et al.**, JAMA, 2020; **Guo et al.**, JAMA, 2020; **Lippi et al.**, Pol Arch Med Wewn, 2020; **Wu et al.**, JAMA, 2020; **Hulme et al.**, Front Microbiol, 2020

Study	ISARIC	Guan	Yang	Zhou	Huang	Chen	CDC	Yang	Zhang	Onder
Number of patients	1123 ¹	1590	46 428	191	41	99	7162	52	140	355
Info	mostly UK	China					USA	Critical patients	Critical patients	Italy (dead)
Disease	Average									
>1 comorbidity	39%	25%	48%	32%	51%	38%	40%			
Hypertension	22%	17%	17%	30%	15%				30%	
CVD	21%	20%	54%	5%	8%	15%	40%	9%	10%	30%
Diabetes	16%	21%	8%	8%	19%	20%	11%	9%	12%	36%
Cancer	9%	8%	1.1%			1%		4%		25%
Cerebrovascular disease	8%	2%						13%		
Respiratory disease ²	7%	23%	2.4%			1%	9%		0%	
COPD	4%	1.5%						8%	1.4%	
Kidney disease	4%	9%	1.3%				3%			
Immunodeficiency	1-2%	<0.1%	0.2%				4%			
Obesity	18%	9%					0.2%			

¹ Only 806 cases reported as confirmed SARS-Cov2 by positive lab test

² Respiratory disease also includes COPD where it was not reported separately

ICU or death
33% 1 comorbidity
40% 2 comorbidities
Guan et al.

CVD
↑ troponin
higher risk mortality and ARDS
hypertension
higher risk of mortality
Guo et al., Lippi et al.

Diabetes
higher mortality
7.3% vs. 2.3% of 44 672 patients
hyperglycemia
may increase viral replication
Wu et al., Hulme et al.

Risk factors

Source: **INARC (UK)**, 2020; **Grasselli et al.**, JAMA, 2020; **Xu et al.**, medRxiv, 2020; **Li et al.**, Clin Res Cardiol, 2020; **Huang et al.**, Lancet preprint, 2020; **Alqahtani et al.**, medRxiv, 2020

data from ICU admissions: UK

AGE remains the largest risk factor >60

SEX 73% MALE

ETHNICITY 65% WHITE 35% BAME

OBESITY around 37% of admissions

ISARIC only 20% ICU

>60

55% MALE

35% BAME

Italy

>60

82% MALE

OBESITY, DIABETES, HYPERTENSION and CARDIOVASCULAR DISEASE
are showing as the most common risk factors for ICU admission

SMOKING
may not increase risk of catching SARS-Cov2 but **current smokers** tended to have **poorer outcomes** than ex-smokers or never-smokers



PROJETO **LONGEVIDADE**

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