

**Table 2 Risk factors associated with death in COVID-19 hospitalized patients with positive and negative result of RT-PCR**

Factor	Survivors, n (%)	Nonsurvivors, n (%)	P	Unadjusted OR (95% CI)	P	Age- and sex-adjusted OR (95% CI)	P	Adjusted* OR (95% CI)	P
<b>Demographics</b>									
Age ≥ 70 yr	729 (24.8)	338 (58.6)	< 0.0001	4.29 (3.56–5.16)	< 0.0001			1.05 (1.04–1.06)	< 0.0001
Sex-male	1609 (54.7)	326 (56.5)	0.231	1.07 (0.90–1.29)	0.434			0.84 (0.68–1.05)	0.128
<b>Comorbidities</b>									
Hypertension	260 (8.8)	58 (10.1)	0.198	1.15 (0.85–1.55)	0.355	0.76 (0.53–1.10)	0.143	0.89 (0.63–1.25)	0.506
DM	441 (15.0)	111 (19.2)	0.007	1.35 (1.07–1.70)	0.011	1.00 (0.79–1.27)	0.994	1.11 (0.83–1.47)	0.480
CHD	454 (15.4)	129 (22.4)	< 0.0001	1.58 (1.26–1.96)	< 0.0001	0.95 (0.75–1.20)	0.683	0.93 (0.71–1.22)	0.582
CRD	141 (4.8)	57 (9.9)	< 0.0001	2.18 (1.58–3.00)	< 0.0001	1.53 (1.09–2.16)	0.013	1.44 (0.98–2.12)	0.061
Cancer	70 (2.4)	46 (8.0)	< 0.0001	3.55 (2.42–5.21)	< 0.0001	3.73 (2.46–5.66)	< 0.0001	3.74 (2.36–5.94)	< 0.0001
CKD	108 (3.7)	28 (4.9)	0.112	1.34 (0.87–2.05)	0.181	0.99 (0.64–1.55)	0.978	0.84 (0.51–1.39)	0.506
Any NCD <sup>b</sup>	1000 (34.0)	297 (36.9)	< 0.0001	2.06 (1.72–2.46)	< 0.0001	1.27 (1.05–1.55)	0.014		

\*Adjusted for all comorbidities.

<sup>b</sup>Presence of at least 1 of 6 studied NCDs.

CHD = coronary heart disease; CI = confidence interval; CKD = chronic kidney disease; CRD = chronic respiratory disease; DM = diabetes mellitus; NCD = noncommunicable disease; OR = odds ratio; RT-PCR = reverse transcription polymerase chain reaction.

**Table 3 Risk factors associated with death in COVID-19 hospitalized patients with positive result of RT-PCR**

Factor	Survivors, n (%)	Nonsurvivors, n (%)	P	Unadjusted OR (95% CI)	P	Age- and sex-adjusted OR (95% CI)	P	Adjusted* OR (95% CI)	P
<b>Demographics</b>									
Age ≥ 70 yr	279 (23.8)	167 (62.8)	< 0.0001	5.40 (4.07–7.17)	< 0.0001			5.44 (3.89–7.62)	< 0.0001
Male	644 (54.9)	156 (58.6)	0.149	1.16 (0.89–1.53)	0.267			1.32 (0.95–1.83)	0.093
<b>Comorbidities:</b>									
Hypertension	126 (10.7)	32 (12.0)	0.305	1.14 (0.75–1.72)	0.544	1.27 (0.82–1.96)	0.279	0.99 (0.61–1.60)	0.971
DM	205 (17.5)	51 (19.2)	0.284	1.12 (0.80–1.57)	0.514	0.83 (0.58–1.20)	0.324	0.90 (0.58–1.39)	0.638
CHD	189 (16.1)	52 (19.5)	0.104	1.26 (0.90–1.78)	0.176	0.74 (0.51–1.06)	0.099	0.81 (0.53–1.22)	0.295
CRD	44 (3.8)	18 (6.8)	0.026	1.86 (1.06–3.28)	0.031	1.28 (0.69–2.35)	0.433	1.42 (0.72–2.81)	0.313
Cancer	17 (1.4)	11 (4.1)	0.008	2.93 (1.36–6.34)	0.006	1.93 (0.84–4.45)	0.122	2.24 (0.90–5.58)	0.085
CKD	31 (2.6)	11 (4.1)	0.136	1.59 (0.79–3.20)	0.195	1.14 (0.54–2.40)	0.737	1.42 (0.62–3.26)	0.404
Any NCD <sup>b</sup>	405 (33.2)	121 (45.5)	0.001	1.58 (1.21–2.07)	< 0.0001	0.87 (0.65–1.18)	0.374		

\*Adjusted for all comorbidities.

<sup>b</sup>Presence of at least 1 of 6 studied NCDs.

CHD = coronary heart disease; CI = confidence interval; CKD = chronic kidney disease; CRD = chronic respiratory disease; DM = diabetes mellitus; NCD = noncommunicable disease; OR = odds ratio; RT-PCR = reverse transcription polymerase chain reaction.