

Supplemental Table 1. Comparison of patient characteristics for the original derivation cohort and the Québec validation cohort showing only complete cases for each group.

Comparator	COVID-NoLab risk score		COVID-SimpleLab risk score	
	Derivation cohort	Québec cohort	Derivation cohort	Québec cohort
Number	1343	588	740	479
Deaths (%)	13.8%	10.5%	14.3%	11.3%
Age: mean (SD)	60.4 (17.3)	66.0 (18.4)	61.4 (16.8)	66.7 (17.8)
Respiratory rate: median (IQR)	20 (18, 24)	20 (18, 24)	20 (18, 24)	20 (18, 26)
O ₂ saturation: median (IQR)	96 (93, 97)	95 (93, 97)	96 (94, 98)	95 (93, 97)
WBC (cells/10 ⁹): median (IQR)			6.4 (4.8, 8.6)	6.6 (4.8, 9.0)
CRP (mg/dl): median (IQR)			7.4 (2.9, 13.7)	5.6 (1.9, 11.8)
Serum creatinine (mg/dl): median (IQR)			1.01 (0.81, 1.42)	0.92 (0.72, 1.2)
Comorbid asthma (%)			11.9%	11.1%

SD=standard deviation; IQR = interquartile range; WBC=white blood cell count; CRP=c-reactive protein

Supplemental Table 2. Results for all risk scores by point level.

COVIDNoLab risk score				
Points	Survivor	Death	Total	% mortality
0	94	1	95	1.1%
2	10	0	10	0.0%
3	113	4	117	3.4%
5	216	32	248	12.9%
6	8	0	8	0.0%
7	41	8	49	16.3%
8	32	8	40	20.0%
10	12	9	21	42.9%
	526	62		
COVIDSimpleLab risk score				
Points	Survivor	Death	Total	% mortality
0	41	0	41	0.0%
3	4	0	4	0.0%
4	13	0	13	0.0%
5	12	0	12	0.0%
6	54	0	54	0.0%
7	2	0	2	0.0%
8	95	12	107	11.2%
9	4	1	5	20.0%
10	19	1	20	5.0%
11	29	2	31	6.5%
12	31	7	38	18.4%
13	24	5	29	17.2%
14	10	1	11	9.1%
15	14	2	16	12.5%
16	17	2	19	10.5%
17	14	6	20	30.0%
18	11	4	15	26.7%
19	4	0	4	0.0%
20	14	0	14	0.0%
21	2	1	3	33.3%
22	5	2	7	28.6%
23	1	1	2	50.0%
24	2	0	2	0.0%

25	2	4	6	66.7%
26	0	1	1	100.0%
29	0	2	2	100.0%
30	1	0	1	0.0%
	425	54		

Supplemental Table 3. Comparison of accuracy between early and late subcohorts. Early cohort was admitted between March 8, 2020 and July 14, 2020, and the late cohort was admitted between July 15, 2020 to February 22, 2021.

Risk Group	Early cohort deaths/total (%)	Late cohort deaths/total (%)	<i>p</i>[*]
COVID-NoLab			
Low (0-1)	0/45 (0.0%)	1/50 (2.0%)	0.340
Moderate (2-5)	18/198 (9.1%)	18/177 (10.2%)	0.723
High (6+)	15/69 (21.7%)	10/49 (20.4%)	0.862
COVID-SimpleLab			
Low (0-7)	0/76 (0.0%)	0/50 (0.0%)	0.767
Moderate (8-11)	8/108 (7.4%)	8/55 (14.5%)	0.148
High (12+)	22/106 (20.8%)	16/84 (19.0%)	0.770

* Pearson Chi-Square test

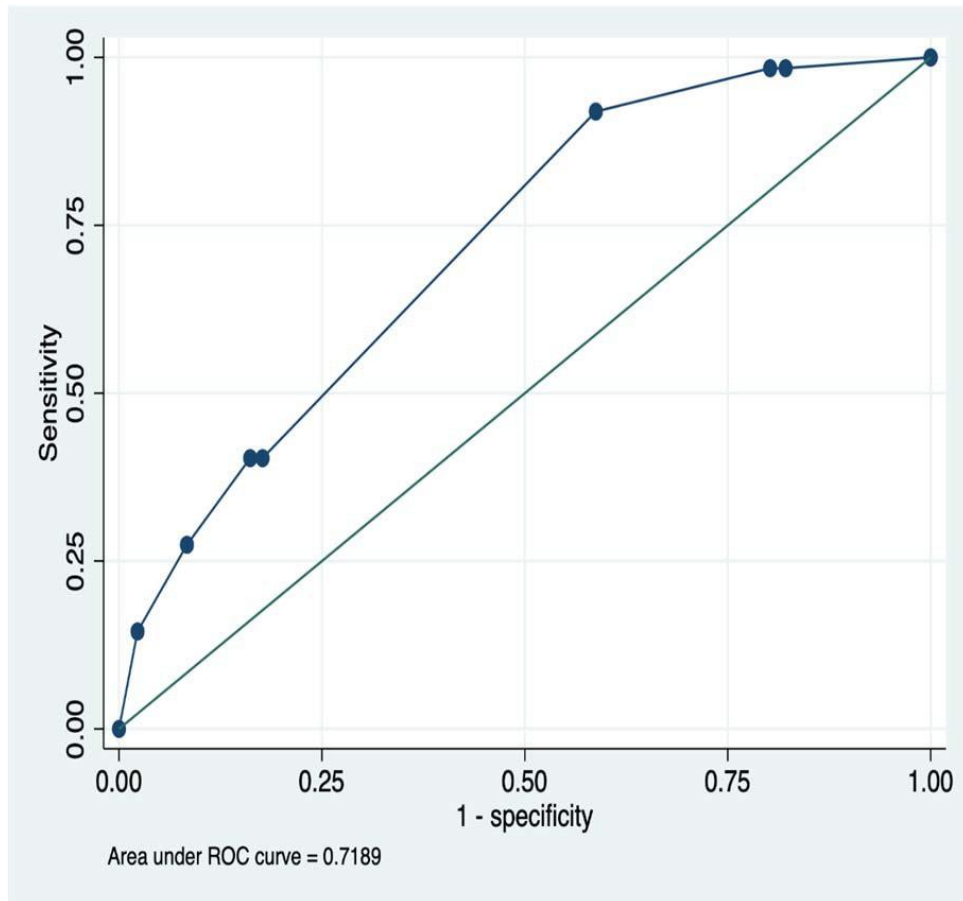
Supplemental Table 4. Comparison of accuracy between admitted and non-admitted patients.

Risk Group	Admitted	Non-Admitted	p
COVID-NoLab			
Low (0-1)	1/65 (1.5%)	0/30 (0.0%)	0.495
Moderate (2-5)	35/294 (11.9%)	1/68 (0.015%)	0.010
High (6+)	25/114 (21.9%)	0/4 (0.0%)	0.291
COVID-SimpleLab			
Low (0-7)	0/83 (0.0%)	0/43 (0.0%)	0.639
Moderate (8-11)	16/140 (11.4%)	0/22 (0.0%)	0.095
High (12+)	38/178 (21.3%)	0/10 (0.0%)	0.102

* Pearson Chi-Square test

Supplemental Figures 1a and 1b. Receiver operating characteristic curves for COVID-NoLab (1a) and COVID-SimpleLab (1b) risk scores.

Supplemental Figure 1a. COVID-NoLab risk score



Supplemental Figure 1b. COVID-SimpleLab risk score

