e-Figure 1. Theoretical phases of COVID-19 disease course.

Variable Course of COVID- 19

Variable Severity

Asymptomatic period

Symptoms of Viral Syndrome

ARDS / Viral Pneumonitis

Cytokine Storm

Variable Duration and Overlap- measured in days to weeks
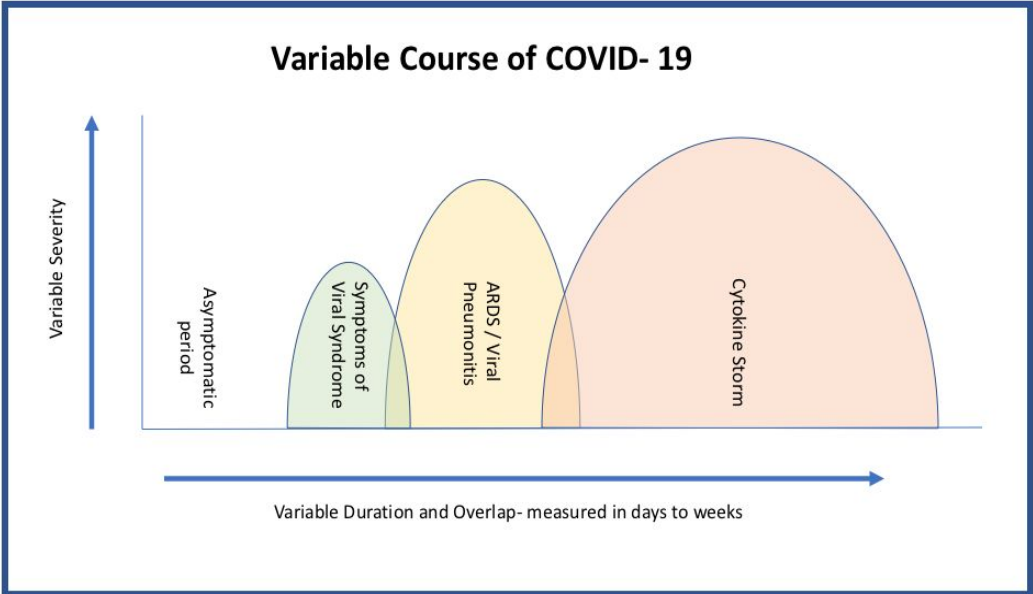
e-Figure 2. Calibration plot of the severe COVID-19 prediction model.
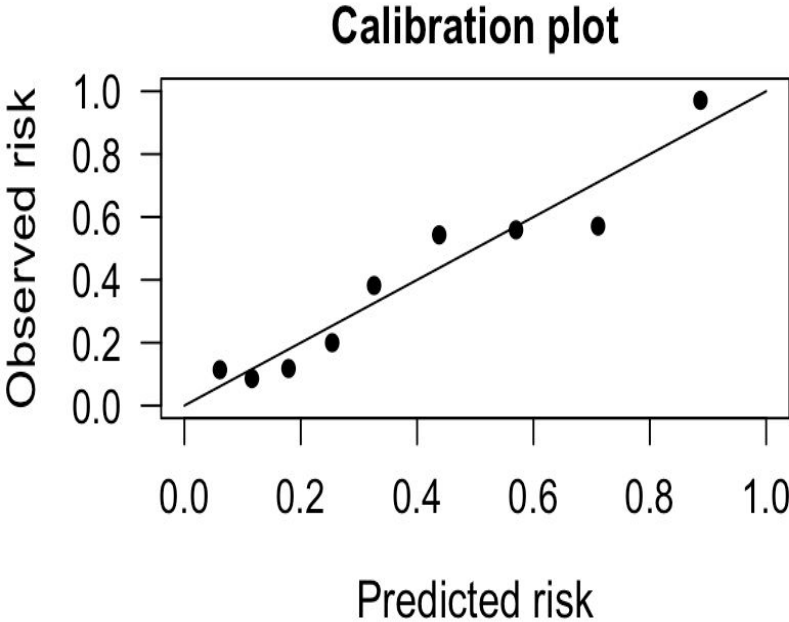
e-Figure 3. Mobile web-based severe COVID-19 risk model.

e-Table 1. Adjusted odds ratio of severe COVID-19 predictors in multivariable logistic regression. All patients (n=415)

	Coefficient	SE	P-value	Adjusted odds ratio
Age	0.0396	0.009	<0.0010	1.04 (1.02-1.06)
Sex (Male)	1.0871	0.256	<0.0010	2.97 (1.8-4.9)
Dyspnea	0.5857	0.267	0.029	1.8 (1.06-3.03)
Diabetes	0.8512	0.25	0.001	2.34 (1.43-3.83)
C-reactive protein (mg/dL) (reference:0-5)				
5.1-15	0.6071	0.267	0.023	1.84 (1.09-3.1)
>15	1.5951	0.359	<0.0010	4.93 (2.44-9.97)
Aspartate aminotransferase (IU/L) >80	1.2934	0.418	0.002	3.65 (1.61-8.27)
D-dimer (ng/mL) (reference: 0-300 ng/mL)				
300.1-1000	0.2766	0.324	0.394	1.32 (0.7-2.49)
>1000	1.0899	0.416	0.009	2.97 (1.32-6.72)
Elevated troponin (HsTroponin T > 19ng/L, or Troponin I ≥ 0.04ng/mL)	0.3395	0.263	0.196	1.4 (0.84-2.35)

e-Table 2. Adjusted odds ratio of 14-day mortality predictors in multivariable logistic regression. All patients (n=415)

	Coefficient	SE	P value	Adjusted odds ratio
Intercept	-9.1357	1.115	0	
Age	0.0748	0.013	<0.001	1.08 (1.05-1.11)
Sex (Male)	0.8878	0.304	0.004	2.43 (1.34-4.41)
Dyspnea	0.491	0.322	0.128	1.63 (0.87-3.07)
Diabetes	0.9207	0.299	0.002	2.51 (1.4-4.51)
C-reactive protein (mg/dL) (reference:0-5)				
5.1-15	0.2484	0.334	0.457	1.28 (0.67-2.47)
>15	0.6274	0.395	0.113	1.87 (0.86-4.06)
Aspartate aminotransferase (IU/L) >80	0.8525	0.424	0.045	2.35 (1.02-5.39)
D-dimer (ng/mL) (reference: 0-300 ng/mL)				
300.1-1000	0.582	0.461	0.207	1.79 (0.73-4.42)
>1000	0.9579	0.51	0.06	2.61 (0.96-7.08)
Elevated troponin (HsTroponin T > 19ng/L, or Troponin I ≥ 0.04ng/mL)	0.6267	0.302	0.038	1.87 (1.04-3.38)