

CT Findings	COVID-19 Positive	COVID-19 Negative	p-value
COVID-19/atypical pneumonia	23.7 (7.3)	27.2 (10.3)	0.02
Non COVID-19 pneumonia	26.2 (5.1)	28.4 (9.9)	0.32
Pulmonary edema	26.8 (4.3)	25.7 (4.7)	0.88
Pulmonary embolism	25.1 (7.5)	30.8 (11.5)	0.35
Emphysema	26.8 (6.8)	28.7 (8.4)	0.35
Tumor	37.7 (N/A)	26.7 (5.3)	0.19
Interstitial lung disease	N/A	33.2 (N/A)	N/A
Aspiration/Bronchitis	54.7 (N/A)	27.1 (8.7)	0.12
Pleural effusion	21.9 (N/A)	29.2 (9.5)	0.17
Pulmonary infarct	N/A	39.9 (13.1)	N/A
Normal	28.6 (5.2)	30.5 (9.9)	0.21

Table S1. BV5% stratified by COVID status and CT findings. Findings reported as mean (standard deviation)

The equation for the model computing probability of death or intubation of COVID-19 positive patients as a function of age and BV5% was:

$$P = \frac{1}{1 + e^{-(0.03 \times A - 0.06 \times B - 1.70)}}$$

A = age (years) and B = BV5% (percent)