

Table S1. Summary of the results of the laboratory parameters measured during hospitalization for the COPD and non-COPD cohorts

Variables [units]	No COPD, N=1976	COPD, N=75
Laboratory results measured on admission		
WBC [$10^3/\mu\text{L}$]	9.11 \pm 11.83	9.41 \pm 5.14
LYMPH [$10^3/\mu\text{L}$]	1.50 \pm 8.77	1.16 \pm 0.60
NEUTR [$10^3/\mu\text{L}$]	6.68 \pm 4.90	7.61 \pm 5.49
EOS [$10^3/\mu\text{L}$]	0.05 \pm 0.11	0.06 \pm 0.17
HGB [g/dl]	12.93 \pm 2.27	12.99 \pm 2.62
MCV [fL]	89.56 \pm 6.12	91.79 \pm 6.82
MCH [pg]	29.96 \pm 2.46	30.30 \pm 3.04
MCHC [g/dl]	33.45 \pm 1.53	32.98 \pm 1.75
RET [$10^3/\mu\text{L}$]	57.95 \pm 34.49	65.49 \pm 28.38
PLT [$10^3/\mu\text{L}$]	231.79 \pm 108.39	238.68 \pm 107.03
PH	7.42 \pm 0.08	7.40 \pm 0.06
PO ₂ [mmHg]	73.36 \pm 36.35	70.42 \pm 39.72
PCO ₂ [mmHg]	37.61 \pm 10.41	39.39 \pm 6.18
HCO ₃ ^{STD} [mmol/L]	24.62 \pm 4.16	23.81 \pm 3.37
BE(B) [mmol/l]	1.48 \pm 5.11	1.61 \pm 4.54
LAC [mmol/L]	2.36 \pm 1.52	1.84 \pm 0.75
Plasma Osmolarity [mOsm/kgH ₂ O]	304.46 \pm 20.19	306.70 \pm 28.31
Sodium [mmol/L]	138.10 \pm 5.44	137.80 \pm 5.57
Potassium [mmol/l]	4.10 \pm 0.65	4.31 \pm 0.76
Calcium [mg/dl]	9.13 \pm 0.64	9.24 \pm 0.57
Phosphorus [mg/dl]	4.00 \pm 1.72	4.45 \pm 2.98
Magnesium [mg/dl]	2.07 \pm 0.38	2.10 \pm 0.36
Chlorides [mmol/l]	102.99 \pm 6.38	101.00 \pm 6.80
CRP [mg/l]	77.63 \pm 84.31	91.49 \pm 92.31
Procalcitonin [ng/ml]	1.15 \pm 7.30	1.44 \pm 3.54
IL-6 [pg/mL]	58.90 \pm 359.06	27.39 \pm 21.68
ESR [mm/h]	37.98 \pm 32.11	25.83 \pm 22.80
D-dimers [$\mu\text{g/ml}$]	4.61 \pm 14.22	4.38 \pm 12.14
INR	1.24 \pm 0.95	1.56 \pm 2.30
APTT [sek]	34.87 \pm 15.53	34.18 \pm 6.60
Fibrinogen [g/l]	4.79 \pm 1.82	5.31 \pm 1.91
Ferritin [$\mu\text{g/l}$]	909.47 \pm 1508.80	813.55 \pm 1227.23
Saturation of transferrin [%]	23.44 \pm 20.42	19.39 \pm 10.39
Iron [$\mu\text{g/dl}$]	51.81 \pm 41.01	45.93 \pm 24.04
sTfR [mg/l]	1.59 \pm 0.89	1.19 \pm 0.09
Vitamin B12 [pg/ml]	660.73 \pm 919.65	460.63 \pm 311.27
Folic acid [ng/ml]	7.64 \pm 5.20	5.76 \pm 4.46
Glucosum [mg/dl]	141.54 \pm 84.33	134.11 \pm 57.82
HbA1c [%]	7.56 \pm 2.18	6.84 \pm 1.66
Urea [mg/dl]	52.33 \pm 44.02	67.87 \pm 50.60
Creatynine [mg/dl]	1.30 \pm 1.29	1.63 \pm 1.30
eGFR [ml/min]	75.60 \pm 35.00	58.88 \pm 29.86

Plasma protein [g/dl]	5.96±0.87	6.14±1.00
Albumin [g/dl]	3.11±0.59	3.04±0.70
Uric Acid [mg/dl]	5.92±2.73	5.96±2.00
Creatynin kinase [IU/l]	365.00±1108.12	353.44±572.41
ASPAT [U/l]	65.52±202.35	64.05±59.33
ALAT [U/L]	53.40±132.82	43.71±47.18
Total bilirubin [mg/dl]	0.84±1.23	0.86±0.67
ALP [U/l]	90.91±98.47	88.11±53.32
GGTP [U/L]	84.95±144.81	83.37±91.74
LDH [U/L]	421.71±421.47	443.94±269.62
BNP [pg/ml]	507.02±1288.54	365.27±468.15
NT-proBNP [pg/ml]	7052.27±14880.73	5695.59±5886.99
Troponin [ng/l]	537.75±4969.45	2940.49±17266.97
Cholesterol LDL [mg/dl]	92.27±47.75	76.32±40.94
Cholesterol HDL [mg/dl]	39.48±15.51	39.19±18.72
Triglicerydes [mg/dl]	161.09±109.63	161.10±119.43
25-OH-Vitamin D [ng/ml]	23.96±16.87	25.15±21.54
TSH [uIU/ml]	1.56±2.46	1.43±1.44
FT 4 [pmol/L]	12.86±3.33	12.92±2.21
FT 3 [pg/ml]	2.16±1.57	1.63±0.57
Cortysol [µg/dl]	13.90±14.95	9.02±5.46

Continuous variables are presented as mean ± standard deviation

Table S2. The Log-rank statistics for matching the C2HEST risk strata for total mortality in COPD cohort.

	h 1	h 2	h 3	h 4	h 5	h 6	h 7	h 8
m 1		0.072	0.2793	0.8754	0.8122	0.4172	0.1034	NA
m 2			0.0804	0.8297	0.6677	0.1923	0.0146	0.072
m 3				1.4894	0.6733	0.3822	0.0797	0.2793
m 4					0.9184	1.5136	0.7853	0.8754
m 5						3.0896	0.7682	0.8122
m 6							0.4082	0.4172
m 7								0.1034
m 8								

Table S3. The Log-rank statistics for matching the C2HEST risk strata for in-hospital mortality in COPD cohort.

	h 1	h 2	h 3	h 4	h 5	h 6	h 7	h 8
m 1		0.0188	0.3906	0.1046	1.2155	0.2774	1.47	NA
m 2			0.1777	0.0113	1.5275	0.0774	2.1754	0.0188

m 3				0.326	1.5194	0.1747	2.1643	0.3906
m 4					1.9558	0.0771	2.2523	0.1046
m 5						2.4089	2.4949	1.2155
m 6							2.9147	0.2774
m 7								1.47
m 8								

Table S4a. Components of C₂HES_T score and primary endpoints in univariate Cox proportional hazard model in COPD cohort.

All cause death				
	HR	CI min.	CI max.	p-value
Coronary artery disease	0.9025845	0.3989066	2.042230	0.8056682
COPD	NA	NA	NA	NA
Age	0.6884068	0.3556242	1.332598	0.2678866
Thyroid disease	0.5730892	0.2103560	1.561311	0.2762860
hypertension	1.0381483	0.4640126	2.322678	0.9273962
HFrEF	1.9459026	0.8934700	4.238012	0.0936745
Hospitalization				
	HR	CI min.	CI max.	p-value
Coronary artery disease	1.5807480	0.4469150	5.591140	0.4774433
COPD	NA	NA	NA	NA
Age	0.5725881	0.2010735	1.630534	0.2963477
Thyroid disease	0.1985660	0.0240561	1.639019	0.1333144
Hypertension	0.7714469	0.2130673	2.793156	0.6926390
HFrEF	2.1528298	0.6292886	7.364946	0.2217475
Discharge from hospital				
	HR	CI min.	CI max.	p-value
Coronary artery disease	3.1843339	0.8073785	12.559144	0.0980555
COPD	NA	NA	NA	NA
Age	1.9149653	0.8131964	4.509479	0.1370769
Thyroid disease	0.5304663	0.1139565	2.469315	0.4191057
Hypertension	0.5685138	0.2253130	1.434484	0.2317345
HFrEF	0.5062773	0.1396843	1.834972	0.3001902

Table S4b. Components of C₂HES_T score and selected secondary endpoints and concomitant diseases in univariate Cox proportional hazard model in COPD cohort.

Endpoint	Component	OR	CI min.	CI max.	p-value
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end of hospitalization - full recovery	Coronary artery disease	1.495	0.353	6.623	0.5839
	Age	2.470	0.903	6.955	0.0805
	Thyroid disease	0.400	0.049	2.147	0.3223
	hypertension	0.501	0.139	1.759	0.2781
	HFrEF	0.565	0.130	2.177	0.4197
	COPD	NA	NA	NA	NA
end of hospitalization - deterioration	Coronary artery disease	0.593	0.085	3.507	0.5732
	Age	0.727	0.177	2.592	0.6335
	Thyroid disease	1.506	0.179	9.624	0.6730
	hypertension	0.859	0.205	4.548	0.8432
	HFrEF	0.833	0.147	3.919	0.8245
	COPD	NA	NA	NA	NA
end of hospitalization - rehabilitation	Coronary artery disease	0.405	0.058	2.236	0.3186
	Age	0.580	0.142	2.036	0.4124
	Thyroid disease	10.023	1.685	79.753	0.0162
	hypertension	4.060	0.763	38.507	0.1473
	HFrEF	0.821	0.163	3.512	0.7966
	COPD	NA	NA	NA	NA
end of hospitalization - death	Coronary artery disease	1.681	0.383	7.343	0.4845
	Age	0.605	0.167	1.958	0.4168
	Thyroid disease	0.153	0.007	1.121	0.1119
	hypertension	0.929	0.223	4.799	0.9231
	HFrEF	2.528	0.615	10.437	0.1916
	COPD	NA	NA	NA	NA
all-cause shock	Coronary artery disease	0.426	0.018	4.546	0.5156
	Age	0.577	0.076	3.020	0.5385
	Thyroid disease	NA	NA	NA	NA
	hypertension	0.465	0.080	3.690	0.4110
	HFrEF	1.284	0.127	8.875	0.8106
	COPD	NA	NA	NA	NA
hypovolemic shock	Coronary artery disease	NA	NA	NA	NA
	Age	2.095	0.073	64.985	0.6281
	Thyroid disease	NA	NA	NA	NA
	hypertension	0.192	0.006	5.561	0.2806
	HFrEF	NA	NA	NA	NA
	COPD	NA	NA	NA	NA
cardiogenic shock	Coronary artery disease	NA	NA	NA	NA
	Age	3.126	0.449	27.423	0.2525
	Thyroid disease	NA	NA	NA	NA

	hypertension	0.261	0.033	2.364	0.1958
	HFrEF	1.536	0.065	16.056	0.7373
	COPD	NA	NA	NA	NA
septic shock	Coronary artery disease	0.509	0.019	6.478	0.6232
	Age	0.549	0.026	5.017	0.6202
	Thyroid disease	NA	NA	NA	NA
	hypertension	NA	NA	NA	NA
	HFrEF	2.597	0.214	29.793	0.4263
	COPD	NA	NA	NA	NA
pulmonary embolism	Coronary artery disease	0.374	0.012	6.085	0.5060
	Age	1.934	0.205	20.634	0.5474
	Thyroid disease	NA	NA	NA	NA
	hypertension	NA	NA	NA	NA
	HFrEF	3.403	0.229	47.850	0.3428
	COPD	NA	NA	NA	NA
deep vein thrombosis	Coronary artery disease	204423273. 454	0.000	Inf	0.9991
	Age	404724379. 839	0.000	Inf	0.9985
	Thyroid disease	0.257	0.000	Inf	1.0000
	hypertension	316849576. 654	0.000	Inf	0.9990
	HFrEF	4.320	0.000	Inf	0.9999
	COPD	NA	NA	NA	NA
venous thromboembolic disease	Coronary artery disease	0.374	0.012	6.085	0.5060
	Age	1.934	0.205	20.634	0.5474
	Thyroid disease	NA	NA	NA	NA
	hypertension	NA	NA	NA	NA
	HFrEF	3.403	0.229	47.850	0.3428
	COPD	NA	NA	NA	NA
myocardial injury	Coronary artery disease	5.181	1.132	29.860	0.0434
	Age	0.766	0.203	2.698	0.6823
	Thyroid disease	1.457	0.252	9.119	0.6724
	hypertension	0.384	0.069	1.964	0.2505
	HFrEF	0.580	0.109	2.430	0.4795
	COPD	NA	NA	NA	NA
acute heart failure	Coronary artery disease	NA	NA	NA	NA
	Age	295422815 51925768.0	Inf	Inf	0.9958
	Thyroid disease	1.226	0.000	Inf	1.0000

	hypertension	285654899 70618880.0	0.000	Inf	0.9978
	HFrEF	NA	NA	NA	NA
	COPD	NA	NA	NA	NA
stroke/TIA	Coronary artery disease	NA	0.000	NA	NA
	Age	NA	0.000	NA	NA
	Thyroid disease	NA	NA	NA	NA
	hypertension	3.238	0.000	Inf	1.0000
	HFrEF	130565762 9.651	0.000	Inf	0.9985
	COPD	NA	NA	NA	NA
complete respiratory failure	Coronary artery disease	1.170	0.104	13.279	0.8944
	Age	0.665	0.064	5.896	0.7142
	Thyroid disease	NA	NA	NA	NA
	hypertension	NA	NA	NA	NA
	HFrEF	1.170	0.104	13.279	0.8944
	COPD	NA	NA	NA	NA
SIRS	Coronary artery disease	2.911	0.381	25.030	0.3112
	Age	1.633	0.370	7.244	0.5071
	Thyroid disease	0.414	0.018	3.518	0.4767
	hypertension	0.250	0.053	1.206	0.0742
	HFrEF	0.554	0.057	3.943	0.5804
	COPD	NA	NA	NA	NA
sepsis	Coronary artery disease	0.538	0.010	22.065	0.7255
	Age	1.293	0.032	67.289	0.8841
	Thyroid disease	NA	NA	NA	NA
	hypertension	NA	NA	NA	NA
	HFrEF	NA	NA	NA	NA
	COPD	NA	NA	NA	NA
acute liver dysfunction	Coronary artery disease	NA	NA	NA	NA
	Age	NA	0.000	NA	NA
	Thyroid disease	NA	0.000	NA	NA
	hypertension	NA	NA	NA	NA
	HFrEF	NA	NA	NA	NA
	COPD	NA	NA	NA	NA
MODS	Coronary artery disease	NA	NA	NA	NA
	Age	5.000	0.126	271.562	0.3683
	Thyroid disease	NA	NA	NA	NA
	hypertension	NA	0.000	NA	NA
	HFrEF	NA	0.000	NA	NA

all bleedings	COPD	NA	NA	NA	NA
	Coronary artery disease	0.691	0.052	10.552	0.7733
	Age	1.752	0.160	19.946	0.6270
	Thyroid disease	1.762	0.064	29.208	0.6930
	hypertension	1.099	0.086	36.712	0.9475
	HFrEF	5.683	0.351	149.500	0.2173
	COPD	NA	NA	NA	NA
respiratory tract bleeding	Coronary artery disease	204423273.454	0.000	Inf	0.9991
	Age	404724379.839	0.000	Inf	0.9985
	Thyroid disease	0.257	0.000	Inf	1.0000
	hypertension	316849576.654	0.000	Inf	0.9990
	HFrEF	4.320	0.000	Inf	0.9999
	COPD	NA	NA	NA	NA
upper-GI-tract bleeding	Coronary artery disease	0.326	0.007	10.490	0.4928
	Age	0.884	0.009	54.713	0.9524
	Thyroid disease	3.169	0.064	212.134	0.5372
	hypertension	0.334	0.002	50.201	0.6288
	HFrEF	NA	NA	NA	NA
	COPD	NA	NA	NA	NA
urinary tract bleeding	Coronary artery disease	NA	NA	NA	NA
	Age	NA	NA	NA	NA
	Thyroid disease	NA	NA	NA	NA
	hypertension	NA	NA	NA	NA
	HFrEF	NA	NA	NA	NA
	COPD	NA	NA	NA	NA
pneumonia	Coronary artery disease	0.870	0.170	4.381	0.8637
	Age	0.877	0.292	2.691	0.8145
	Thyroid disease	0.707	0.133	4.225	0.6857
	hypertension	2.003	0.551	7.078	0.2786
	HFrEF	3.131	0.731	17.116	0.1484
	COPD	NA	NA	NA	NA
new cognitive signs and symptoms	Coronary artery disease	0.808	0.060	11.723	0.8675
	Age	0.411	0.016	4.397	0.5018
	Thyroid disease	1.136	0.041	16.252	0.9281
	hypertension	0.569	0.038	15.721	0.6867
	HFrEF	6.375	0.447	170.037	0.1829
	COPD	NA	NA	NA	NA

Table S5a. Impact of replacement of the general definition of “thyroid disease” with the more precise term “hypothyroidism” on C2HEST score sensitivity to primary endpoints in COPD cohort.

All cause death				
	HR	CI min.	CI max	p-value
Overall	1.0628792	0.8902696	1.268955	0.5000235
low vs medium	0.4599245	0.0595455	3.552417	0.4564873
low vs high	0.5527079	0.0745420	4.098172	0.5618802
Death during hospitalization				
	HR	CI min	CI max.	p-value
Overall	1.1872366	0.8952667	1.574426	0.2333597
low vs medium	0.6745365	0.2397008	1.898197	0.4557500
low vs high	NA	NA	NA	NA
Discharge from hospital				
	HR	CI min.	CI max.	p-value
Overall	1.153273	0.9004443	1.477092	0.2587206
low vs medium	NA	NA	NA	NA
low vs high	NA	NA	NA	NA

Table S5b. Impact of replacement of the general definition of “thyroid disease” with the more precise term “hypothyroidism” on C2HEST score sensitivity to selected secondary endpoints and concomitant diseases in COPD cohort.

Endpoint	Comparison	OR	CI min.	CI max.	p-value
end of hospitalization - full recovery	overall	1.082	0.820	1.432	0.5776
	low vs medium	NA	NA	NA	NA
	low vs high	NA	NA	NA	NA
end of hospitalization - deterioration	overall	0.825	0.557	1.179	0.3074
	low vs medium	NA	NA	NA	NA
	low vs high	NA	NA	NA	NA
end of hospitalization - rehabilitation	overall	0.830	0.585	1.146	0.2732
	low vs medium	NA	NA	NA	NA
	low vs high	NA	NA	NA	NA
end of hospitalization - death	overall	1.241	0.910	1.717	0.1767
	low vs medium	NA	NA	NA	NA
	low vs high	NA	NA	NA	NA
all-cause shock	overall	0.812	0.479	1.292	0.4013
	low vs medium	NA	NA	NA	NA
	low vs high	NA	NA	NA	NA
hypovolemic shock	overall	0.662	0.203	1.572	0.4031
	low vs medium	NA	NA	NA	NA
	low vs high	NA	NA	NA	NA
cardiogenic shock	overall	0.886	0.487	1.506	0.6653
	low vs medium	NA	NA	NA	NA
	low vs high	NA	NA	NA	NA
septic shock	overall	1.085	0.587	1.952	0.7822

		low vs medium	NA	NA	NA	NA
		low vs high	NA	NA	NA	NA
		overall	1.292	0.717	2.376	0.3859
pulmonary embolism		low vs medium	NA	NA	NA	NA
		low vs high	NA	NA	NA	NA
deep vein thrombosis		overall	NA	NA	NA	NA
		low vs medium	NA	NA	NA	NA
		low vs high	NA	NA	NA	NA
venous thromboembolic disease		overall	1.292	0.717	2.376	0.3859
		low vs medium	NA	NA	NA	NA
		low vs high	NA	NA	NA	NA
myocardial injury		overall	1.066	0.785	1.455	0.6824
		low vs medium	NA	NA	NA	NA
		low vs high	NA	NA	NA	NA
acute heart failure		overall	2.849	1.400	7.900	0.0128
		low vs medium	NA	NA	NA	NA
		low vs high	NA	NA	NA	NA
stroke/TIA		overall	1.176	0.329	4.067	0.7782
		low vs medium	NA	NA	NA	NA
		low vs high	NA	NA	NA	NA
complete respiratory failure SIRS		overall	0.984	0.556	1.750	0.9551
		medium vs high	0.286	0.013	2.536	0.3092
		overall	1.073	0.721	1.583	0.7206
sepsis		low vs medium	NA	NA	NA	NA
		low vs high	NA	NA	NA	NA
		overall	1.605	0.665	5.420	0.3386
acute kidney injury		medium vs high	NA	NA	NA	NA
		overall	1.022	0.721	1.435	0.9006
		low vs medium	NA	NA	NA	NA
acute liver dysfunction		low vs high	NA	NA	NA	NA
		overall	1.677	0.525	7.820	0.3880
		low vs medium	NA	NA	NA	NA
MODS		low vs high	NA	NA	NA	NA
		overall	0.498	0.119	1.293	0.2286
		low vs medium	NA	NA	NA	NA
all bleedings		low vs high	NA	NA	NA	NA
		overall	1.412	0.787	2.648	0.2495
		low vs medium	NA	NA	NA	NA
respiratory tract bleeding		low vs high	NA	NA	NA	NA
		overall	NA	NA	NA	NA
		low vs medium	NA	NA	NA	NA
upper-GI-tract bleeding		low vs high	NA	NA	NA	NA
		overall	1.395	0.610	3.420	0.4207
		low vs medium	NA	NA	NA	NA
urinary tract bleeding		low vs high	NA	NA	NA	NA
		overall	0.506	0.061	1.828	0.3953
		low vs medium	NA	NA	NA	NA
pneumonia		low vs high	NA	NA	NA	NA
		overall	1.268	0.935	1.770	0.1407

new cognitive signs and symptoms	low vs medium	NA	NA	NA	NA
	low vs high	NA	NA	NA	NA
	overall	1.185	0.651	2.148	0.5656
	low vs medium	NA	NA	NA	NA
	low vs high	NA	NA	NA	NA

Table S6a. Impact of changing the cut-off point for age to “>65 years” instead “>75 years” on C2HEST score sensitivity to primary endpoints in COPD cohort.

All cause death				
	HR	CI min.	CI max	p-value
Overall	1.0303799	0.8514563	1.246902	0.7584390
low vs medium	1.1086712	0.1362065	9.024181	0.9231772
low vs high	0.8221163	0.1124195	6.012080	0.8469970
Death during hospitalization				
	HR	CI min	CI max.	p-value
Overall	1.1052098	0.8066317	1.514308	0.5335596
low vs medium	0.2102418	0.0178167	2.480907	0.2155623
low vs high	0.2033082	0.0255615	1.617051	0.1321428
Discharge from hospital				
	HR	CI min.	CI max.	p-value
Overall	1.0147306	0.7588790	1.3568411	0.9214177
low vs medium	0.0145088	0.0007073	0.2976361	0.0060294
low vs high	0.0653177	0.0066470	0.6418551	0.0192699

Table S6b. Impact of changing the cut-off point of age to “>65 years” instead “>75 years” on C2HEST score sensitivity to selected secondary endpoints and concomitant diseases in COPD cohort.

Endpoint	Comparison	OR	CI min.	CI max.	p-value
end of hospitalization - full recovery	Overall	0.931	0.693	1.240	0.6248
	low vs medium	0.100	0.002	3.791	0.1909
	low vs high	0.676	0.026	17.619	0.7851
end of hospitalization - deterioration	overall	0.972	0.669	1.398	0.8766
	low vs medium	NA	NA	NA	NA
	low vs high	NA	NA	NA	NA
end of hospitalization - rehabilitation	overall	1.012	0.726	1.408	0.9414
	low vs medium	NA	NA	NA	NA
	low vs high	NA	NA	NA	NA
end of hospitalization - death	overall	1.106	0.801	1.536	0.5389

all-cause shock	low vs medium	0.222	0.006	7.236	0.3520
	low vs high	0.319	0.012	8.399	0.4293
	overall	0.701	0.402	1.143	0.1743
	low vs medium	0.222	0.006	7.236	0.3520
hypovolemic shock	low vs high	0.069	0.002	1.955	0.0757
	overall	0.616	0.214	1.492	0.3140
	low vs medium	NA	NA	NA	NA
cardiogenic shock	low vs high	NA	NA	NA	NA
	overall	0.628	0.319	1.123	0.1401
	low vs medium	0.100	0.002	3.791	0.1909
septic shock	low vs high	0.051	0.002	1.489	0.0520
	overall	1.027	0.547	1.913	0.9305
	low vs medium	NA	NA	NA	NA
pulmonary embolism	low vs high	NA	NA	NA	NA
	overall	1.247	0.674	2.399	0.4814
	low vs medium	NA	NA	NA	NA
deep vein thrombosis	low vs high	NA	NA	NA	NA
	overall	3.098	0.740	62.353	0.2540
	low vs medium	NA	NA	NA	NA
venous thromboembolic disease	low vs high	NA	NA	NA	NA
	overall	1.247	0.674	2.399	0.4814
	low vs medium	NA	NA	NA	NA
myocardial injury	low vs high	NA	NA	NA	NA
	overall	1.194	0.867	1.675	0.2857
	low vs medium	NA	NA	NA	NA
acute heart failure	low vs high	NA	NA	NA	NA
	overall	1.715	0.910	3.753	0.1189
	low vs medium	1.000	0.000	Inf	1.0000
stroke/TIA	low vs high	NA	NA	NA	NA
	overall	1.664	0.487	9.706	0.4427
	low vs medium	1.000	0.000	Inf	1.0000
	low vs high	NA	NA	NA	NA

complete respiratory failure	overall	0.923	0.440	1.931	0.8259
	medium vs high	NA	NA	NA	NA
	overall	0.926	0.607	1.388	0.7114
	low vs medium	0.222	0.006	7.236	0.3520
	low vs high	0.127	0.005	3.455	0.1608
sepsis	overall	1.077	0.317	3.386	0.8912
acute kidney injury	overall	1.234	0.867	1.787	0.2489
	low vs medium	NA	NA	NA	NA
	low vs high	NA	NA	NA	NA
acute liver dysfunction	overall	2.985	0.742	57.902	0.2544
	low vs medium	1.000	0.000	Inf	1.0000
	low vs high	NA	NA	NA	NA
MODS	overall	0.234	0.033	0.746	0.0444
	low vs medium	0.100	0.002	3.791	0.1909
	low vs high	NA	NA	NA	NA
all bleedings	overall	1.378	0.745	2.730	0.3158
	low vs medium	1.000	0.000	Inf	1.0000
	low vs high	NA	NA	NA	NA
respiratory tract bleeding	overall	3.098	0.740	62.353	0.2540
	low vs medium	NA	NA	NA	NA
	low vs high	NA	NA	NA	NA
upper-GI-tract bleeding	overall	1.364	0.575	3.688	0.4835
	low vs medium	1.000	0.000	Inf	1.0000
	low vs high	NA	NA	NA	NA
urinary tract bleeding	overall	0.769	0.187	2.652	0.6801
	low vs medium	1.000	0.000	Inf	1.0000
	low vs high	NA	NA	NA	NA
pneumonia	overall	1.230	0.902	1.719	0.2020
	low vs medium	NA	NA	NA	NA
	low vs high	NA	NA	NA	NA
new cognitive signs and symptoms	overall	1.378	0.745	2.730	0.3158