

SUPPLEMENTARY MATERIAL

Table S1: Odds for survival at 90 days. *Legends:* OR = Odds Ratio, CI = Confidence Interval, CND = Chronic Neurological Disease, CVD = Cardiovascular Disease, DM = Diabetes Mellitus, CPD = Chronic Pulmonary Disease, ACEi = Angiotensin-Converting Enzyme-inhibitor, ARB = Angiotensin II Receptor Blocker, ACF = Acute Circulatory Failure, ARF = Acute Respiratory Failure, AKI = Acute Kidney Injury, ICU = Intensive Care Unit.

Table S1: Odds for survival at 90 days.						
Univariate logistic regression				Multivariable logistic regression		
Variable	OR	95% CI	<i>p</i> -value	OR	95% CI	<i>p</i> -value
Immunocompromised	0.21	0.01 - 1.07	0.135			
Liver disease	1.67	0.08 - 17.65	0.678			
Cancer	2.32	0.75 - 6.64	0.123			
CND	0.32	0.02 - 1.73	0.285			
Current smoker	0.95	0.14 - 4.02	0.947			
Gender	1.15	0.66 - 1.99	0.611			
Age	1.08	1.06 - 1.11	<0.000	1.08	1.04 - 1.11	<0.000
CVD	2.25	1.35 - 3.79	0.002	0.72	0.33 - 1.53	0.396
DM	0.97	0.50 - 1.81	0.928			
Asthma	0.76	0.35 - 1.54	0.468			
CPD	3.26	1.57 - 6.71	0.001	2.03	0.79 - 5.23	0.139
ACEi/ARB	2.54	1.45 - 4.45	0.001	1.94	0.88 - 4.32	0.102
ACF	1.78	1.53 - 2.10	<0.000	1.72	1.46 - 2.06	<0.000
ARF	1.31	0.96 - 2.00	0.133			
AKI at ICU-admission	3.90	2.31 - 6.67	<0.000	3.14	1.66 - 6.00	0.001
(Intercept)				0.00	0.00 - 0.002	<0.000

OR = Odds Ratio, CI = Confidence Interval, CND = Chronic Neurological Disease, CVD = Cardiovascular Disease, DM = Diabetes Mellitus, CPD = Chronic Pulmonary Disease, ACEi = Angiotensin-Converting Enzyme-inhibitor, ARB = Angiotensin II Receptor Blocker, ACF = Acute Circulatory Failure, ARF = Acute Respiratory Failure, AKI = Acute Kidney Injury, ICU = Intensive Care Unit.

Table S2: Hazard ratio for survival at 30 days. *Legends:* HR = Hazard Ratio, CI = Confidence Interval, CND = Chronic Neurological Disease, CVD = Cardiovascular Disease, DM = Diabetes Mellitus, CPD = Chronic Pulmonary Disease, ACEi = Angiotensin-Converting Enzyme-inhibitor, ARB = Angiotensin II Receptor Blocker, ACF = Acute Circulatory Failure, ARF = Acute Respiratory Failure, AKI = Acute Kidney Injury, ICU = Intensive Care Unit.

Table S2: Hazard ratio for survival at 30 days.						
Univariable Cox regression				Multivariable Cox regression		
Variable	HR	95% CI	<i>p</i> -value	HR	95% CI	<i>p</i> -value
Immunocompromised	0.32	0.05 - 2.30	0.261			
Liver disease	0.85	0.33 - 17.00	0.398			
Cancer	0.97	1.10 - 6.20	0.023	2.65	1.11 - 6.36	0.029
CND	-0.73	0.07 - 3.50	0.468			
Current smoker	0.15	0.29 - 4.80	0.830			
Gender	0.41	0.90 - 2.60	0.121			
Age	0.07	1.00 - 1.10	<0.000	1.05	1.03 - 1.08	<0.000
CVD	0.77	1.30 - 3.60	0.004	0.96	0.52 - 1.76	0.886
DM	0.12	0.61 - 2.10	0.695			
Asthma	0.08	0.55 - 2.10	0.807			
CPD	1.30	2.00 - 6.40	<0.000	2.31	1.25 - 4.25	0.008
ACEi/ARB	0.63	1.10 - 3.20	0.019	1.37	0.75 - 2.50	0.311
ACF	0.52	1.40 - 2.00	<0.000	1.56	1.32 - 1.85	<0.000
ARF	0.15	0.83 - 1.60	0.379			
AKI at ICU admission	1.30	2.30 - 6.30	<0.000	2.92	1.74 - 4.90	<0.000

HR = Hazard Ratio, CI = Confidence Interval, CND = Chronic Neurological Disease, CVD = Cardiovascular Disease, DM = Diabetes Mellitus, CPD = Chronic Pulmonary Disease, ACEi = Angiotensin-Converting Enzyme-inhibitor, ARB = Angiotensin II Receptor Blocker, ACF = Acute Circulatory Failure, ARF = Acute Respiratory Failure, AKI = Acute Kidney Injury, ICU = Intensive Care Unit.

Table S3: Hazard ratio for survival at 90 days. *Legends:* HR = Hazard Ratio, CI = Confidence Interval, CND = Chronic Neurological Disease, CVD = Cardiovascular Disease, DM = Diabetes Mellitus, CPD = Chronic Pulmonary Disease, ACEi = Angiotensin-Converting Enzyme-inhibitor, ARB = Angiotensin II Receptor Blocker, ACF = Acute Circulatory Failure, ARF = Acute Respiratory Failure, AKI = Acute Kidney Injury, ICU = Intensive Care Unit.

Table S3: Hazard ratio for survival at 90 days.						
Univariable Cox regression				Multivariable Cox regression		
Variable	HR	95% CI	p-value	HR	95% CI	p-value
Immunocompromised	0.24	0.03 - 1.70	0.160			
Liver disease	1.80	0.25 - 13.00	0.557			
Cancer	2.10	0.90 - 4.80	0.086	2.07	0.88 - 4.88	0.095
CND	0.37	0.05 - 2.60	0.317			
Current smoker	0.92	0.22 - 3.70	0.902			
Gender	1.20	0.74 - 1.90	0.472			
Age	1.10	1.00 - 1.10	<0.000	1.05	1.03 - 1.08	<0.000
CVD	2.10	1.30 - 3.20	0.002	0.85	0.50 - 1.46	0.558
DM	0.99	0.56 - 1.70	0.964			
Asthma	0.81	0.42 - 1.60	0.527			
CPD	2.90	1.70 - 5.10	<0.000	2.09	1.18 - 3.70	0.012
ACEi/ARB	2.20	1.40 - 3.50	<0.000	1.78	1.05 - 3.01	0.032
ACF	1.70	1.40 - 1.90	<0.000	1.56	1.35 - 1.80	<0.000
ARF	1.30	0.91 - 1.80	0.159			
AKI at ICU admission	3.40	2.20 - 5.30	<0.000	2.66	1.69 - 4.19	<0.000

HR = Hazard Ratio, CI = Confidence Interval, CND = Chronic Neurological Disease, CVD = Cardiovascular Disease, DM = Diabetes Mellitus, CPD = Chronic Pulmonary Disease, ACEi = Angiotensin-Converting Enzyme-inhibitor, ARB = Angiotensin II Receptor Blocker, ACF = Acute Circulatory Failure, ARF = Acute Respiratory Failure, AKI = Acute Kidney Injury, ICU = Intensive Care Unit.

Table S4: Comparison of AKI definitions and staging criteria. *Legends:* AKI = Acute Kidney Injury, KDIGO = Kidney Disease: Improving Global Outcomes, RIFLE = Risk, Injury, Failure, Loss, End-stage kidney disease, SAPS II = Simplified Acute Physiology Score II, SCr = Serum Creatinine, GFR = Glomerular Filtration Rate, UO = Urine Output, BUN = Blood Urea Nitrogen, RRT = Renal Replacement Therapy, h = hours.

Table S4: Comparison of AKI definitions and staging criteria.							
KDIGO		RIFLE			Renal SAPS II		
Stage	SCr ^a	Class	SCr or GFR	UO ^b	Score	UO/24 h	BUN
					0	>1000 ml	<10 mmol/L
1	1.5-1.9x baseline or >26.5 µmol/L increase	Risk	SCr increase 1.5x baseline or eGFR decrease ≥25%	<0.5ml/kg/h for 6 h			
2	2.0-2.9x baseline	Injury	SCr increase 2.0x baseline or eGFR decrease ≥50%	<0.5 ml/kg/h for 12 h (<840 ml/24 h ^c)	4	500-999 ml	
					6		10-29.9 mmol/L
3	≥3.0x baseline or ≥4 mg/dl (= 353.7 µmol/L) increase or initiation of RRT	Failure	SCr increase ≥3.0x baseline or ≥4 mg/dl (= 353.7 µmol/L) or GFR decrease ≥75%	<0.3 ml/kg/h for 24 h (<504 ml/24 h ^c) or anuria for 12 hours.	10		>30 mmol/L
					11	<500 ml	
^a SCr-increase within 48 hours. ^b UO criteria are shared by KDIGO and RIFLE. ^c Standardized for a patient with a weight of 70 kg. AKI = Acute Kidney Injury, KDIGO: Kidney Disease: Improving Global Outcomes, RIFLE: Risk, Injury, Failure, Loss, End-stage kidney disease, SAPS II = Simplified Acute Physiology Score II, SCr = Serum Creatinine, GFR = Glomerular Filtration Rate, UO = Urine Output, BUN = Blood Urea Nitrogen, RRT = Renal Replacement Therapy, h = hours.							