

Appendix 4

Random effects Cox proportional hazards model for death in hospital 2020/21

In-Hospital					N=16,364
	Hazard Ratio	Lower	Upper	p	
Age≥75	1.89	1.56	2.28	<0.001	
Systolic Blood Pressure (10mmHg decrease)	1.26	1.21	1.31	<0.001	
Valve Disease	1.28	1.08	1.51	0.004	
Urea (5mEq/dL increase)	1.27	1.22	1.31	<0.001	
Sodium electrolytes (5mEq/dL increase)	1.10	1.01	1.18	=0.02	
Creatinine (10 umol/L increase)	1.04	1.03	1.04	<0.001	
Potassium ≤3.5 (mEq/L)	1.35	1.06	1.72	=0.014	
Potassium 3.5-4.5 (mEq/L)	1				
Potassium >4.5 (mEq/L)	2.53	2.15	2.99	<0.001	
Not cardiology in patient	1.75	1.47	2.08	<0.001	
Heart rate (5 bpm increase)	1.21	1.18	1.24	<0.001	

Random effects Cox proportional hazards model for 30-day post discharge mortality 2020/21

30 days					N=20,382
	Hazard Ratio	Lower	Upper	p	
Age≥75	1.95	1.66	2.28	<0.001	
Heart rate (5 bpm increase)	1.07	1.05	1.10	<0.001	
No ACE inhibitor and/or ARB	1.59	1.38	1.83	<0.001	
No beta blocker	1.24	1.06	1.45	=0.007	
No cardiology follow-up	1.97	1.69	2.30	<0.001	
Systolic blood pressure (10 mm Hg decrease)	1.09	1.05	1.13	<0.001	
Ischaemic Heart Disease	1.10	0.97	1.26	<0.001	
Urea (5mEq/dL increase)	1.10	1.06	1.13	<0.001	
Sodium electrolytes (5mEq/dL decrease)	1.14	1.06	1.22	<0.001	
Creatinine (10 umol/L increase)	1.03	1.02	1.03	<0.001	
Not cardiology in patient	1.34	1.16	1.55	<0.001	
COPD	1.21	1.03	1.41	0.019	
Male	1.30	1.13	1.48	<0.001	
Length of stay 0- 4 days	1				
Length of stay 5-8 days	1.19	0.99	1.43	=0.067	
Length of stay 9-15	1.65	1.37	1.97	<0.001	
Length of stay ≥16 days	2.16	1.80	2.61	<0.001	
Potassium ≤3.5 (mEq/L)	1.66	1.39	1.99	<0.001	
Potassium 3.5-4.5 (mEq/L)	1				
Potassium >4.5 (mEq/L)	1.18	1.01	1.37	=0.04	

Random effects Cox proportional hazards model for 1-year post discharge mortality 2020/21

1-year					N=11,435
	Hazard Ratio	Lower	Upper	p	
Age≥75	1.72	1.56	1.89	<0.001	
No beta blocker	1.20	1.08	1.34	<0.001	
No ACE inhibitor and/or ARB	1.46	1.33	1.60	<0.001	
No cardiology follow-up	1.47	1.38	1.56	<0.001	
Systolic blood pressure (10 mm Hg decrease)	1.06	1.04	1.09	<0.001	
COPD	1.26	1.15	1.39	<0.001	
Ischaemic Heart Disease	1.14	1.05	1.24	=0.002	
Valve Disease	1.31	1.20	1.43	<0.001	
Urea (5mEq/dL increase)	1.06	1.01	1.08	<0.001	
Sodium electrolytes (5mEq/dL decrease)	1.14	1.09	1.20	<0.001	
Haemoglobin (g/dL decrease)	1.06	1.04	1.08	<0.001	
Creatinine (10 umol/L increase)	1.02	1.01	1.02	<0.001	
Potassium ≤3.5 (mEq/L)	1.40	1.25	1.58	<0.001	
Potassium 3.5-4.5 (mEq/L)	1				
Potassium >4.5 (mEq/L)	1.09	0.99	1.21	=0.094	
Not cardiology in patient	1.24	0.98	1.57	0.003	
Male	1.36	1.27	1.45	<0.001	
Length of stay 0- 4 days	1				
Length of stay 5-8 days	1.22	1.09	1.36	<0.001	
Length of stay 9-15	1.53	1.37	1.72	<0.001	
Length of stay ≥16 days	1.83	1.63	2.07	<0.001	