

### Appendix 3 Random effects Cox proportional hazards model for death in hospital 2019/20

N=39,105

	Hazard Ratio	Lower	Upper	p
Age≥75	1.94	1.71	2.19	<0.001
NYHA III/IV	1.11	0.98	1.24	0.09
Systolic Blood Pressure (10 mHg decrease)	1.14	1.11	1.17	<0.001
Ischaemic Heart Disease	1.18	1.07	1.30	<0.001
Valve Disease	1.02	0.92	1.12	0.72
Urea (5mEq/dL increase)	1.15	1.12	1.17	<0.001
Sodium electrolytes (5mEq/dL increase)	1.10	1.05	1.15	<0.001
Creatinine (10 umol/L increase)	1.02	1.02	1.03	<0.001
Potassium ≤3.5 (mEq/L)	1.31	1.13	1.51	<0.001
Potassium 3.5-4.5 (mEq/L)	1			
Potassium 4.5-5.5 (mEq/L)	1.69	1.53	1.88	<0.001
Potassium >5.5 (mEq/L)	3.95	3.35	4.65	<0.001
Not cardiology in patient	1.77	1.60	1.96	<0.001
Female	0.97	0.94	1.13	0.51
Heart rate (5 bpm increase)	1.16	1.14	1.18	<0.001

## Appendix 4 Random effects Cox proportional hazards model for 30-day post discharge mortality 2019/20

N=18,834

	Hazard Ratio	Lower	Upper	p
Age≥75	1.63	1.36	1.95	<0.001
Heart rate (5 bpm increase)	1.07	1.05	1.10	<0.001
No ACE inhibitor and/or ARB	1.96	1.68	2.28	<0.001
No beta blocker	1.38	1.18	1.63	
No cardiology follow-up	1.76	1.49	2.07	<0.001
Systolic blood pressure (10 mm Hg decrease)	1.11	1.07	1.16	<0.001
Ischaemic Heart Disease	1.12	0.97	1.29	0.12
Urea (5mEq/dL increase)	1.10	1.06	1.13	<0.001
Sodium electrolytes (5mEq/dL decrease)	1.26	1.17	1.36	<0.001
Haemoglobin (g/dL decrease)	1.09	1.05	1.13	<0.001
Creatinine (10 umol/L increase)	1.02	1.01	1.03	<0.001
Not cardiology in patient	1.39	1.18	1.63	<0.001
COPD	1.22	1.03	1.43	0.002
Male	1.03	0.90	1.19	0.64
Length of stay 0- 4 days	1			
Length of stay 5-8 days	1.56	1.25	1.95	<0.001
Length of stay 9-15	1.87	1.50	2.32	<0.001
Length of stay ≥16 days	2.80	2.28	3.45	<0.001

## Appendix 5 Random effects Cox proportional hazards model for 1-year post discharge mortality 2019/20

1 year N=18,452

	Hazard Ratio	Lower	Upper	p
Age≥75	1.64	1.53	1.76	<0.001
No beta blocker	1.21	1.13	1.31	<0.001
No ACE inhibitor and/or ARB	1.45	1.35	1.54	<0.001
No cardiology follow-up	1.47	1.38	1.56	<0.001
Systolic blood pressure (10 mm Hg decrease)	1.08	1.07	1.10	<0.001
COPD	1.25	1.16	1.34	<0.001
Ischaemic Heart Disease	1.14	1.07	1.20	<0.001
Valve Disease	1.19	1.12	1.26	<0.001
Urea (5mEq/dL increase)	1.08	1.06	1.09	<0.001
Sodium electrolytes (5mEq/dL decrease)	1.17	1.14	1.21	<0.001
Haemoglobin (g/decrease)	1.08	1.07	1.10	<0.001
Creatinine (10 umol/L increase)	1.02	1.01	1.02	<0.001
Potassium ≤3.5 (mEq/L)	1.22	1.11	1.33	<0.001
Potassium 3.5-4.5 (mEq/L)	1			
Potassium 4.5-5.5 (mEq/L)	0.97	0.90	1.04	0.4
Potassium >5.5 (mEq/L)	1.24	0.98	1.57	0.003
Not cardiology in patient	1.36	1.27	1.45	<0.001
Male	1.15	1.08	1.22	<0.001
Length of stay 0- 4 days	1.00			
Length of stay 5-8 days	1.18	1.08	1.28	<0.001
Length of stay 9-15	1.39	1.29	1.51	<0.001
Length of stay ≥16 days	1.76	1.62	1.91	<0.001