

## APPENDIX A

**Table A1. Mortality risk adjustment models based on hospital admissions for AMI or CABG during 2004/05.**

	AMI Risk Adjustment Model			CABG Risk Adjustment Model		
	Odds Ratio	95% Conf. Interval	p-value	Odds Ratio	95% Conf. Interval	p-value
<b>Patient Demographics</b>						
Patient Age	1.06	1.05–1.06	<.0001	1.04	1.04–1.05	<.0001
Female	1.05	1.03–1.07	<.0001	1.53	1.47–1.59	<.0001
<b>Patient Race (relative to white)</b>						
Black Race	0.95	0.92–0.98	0.0039			
Other non-white race	1.04	0.95–1.13	0.4384			
<b>Admission Priority (relative to elective)</b>						
Urgent	1.23	1.18–1.28	<.0001	1.22	1.16–1.28	<.0001
	1.06	1.01–1.11	0.016	1.10	1.04–1.15	0.0003
<b>Patient Comorbidities</b>						
Alcohol Abuse	–	–	–	0.65	0.53–0.80	<.0001
Arrhythmia	1.28	1.25–1.30	<.0001	–	–	–
Blood Anemia	0.66	0.62–0.71	<.0001	0.70	0.59–0.83	<.0001
Cerebrovascular Disease	1.54	1.49–1.59	<.0001	1.26	1.18–1.35	<.0001
Chronic Heart Failure	1.61	1.58–1.64	<.0001	1.60	1.53–1.66	<.0001
Coagulation Disorder	1.23	1.18–1.28	<.0001	1.48	1.41–1.56	<.0001
Chronic Obstructive Pulmonary Disease	1.05	1.03–1.07	<.0001	1.07	1.02–1.11	0.0048
Deficiency Anemia	0.53	0.49–0.57	<.0001	0.44	0.32–0.61	<.0001
Dementia	1.43	1.37–1.49	<.0001	0.58	0.36–0.93	0.0237
Depression	0.86	0.82–0.91	<.0001	0.57	0.46–0.70	<.0001
Diabetes	0.93	0.91–0.95	<.0001	0.65	0.61–0.68	<.0001
Drug Abuse	0.62	0.53–0.73	<.0001	0.52	0.38–0.71	<.0001
Fluid/Electrolyte Imbalance	1.70	1.67–1.74	<.0001	1.44	1.38–1.51	<.0001
Hemiparaplegia	–	–	–	1.99	1.57–2.53	<.0001
Hypertension	0.56	0.55–0.57	<.0001	0.43	0.41–0.44	<.0001
Hypothyroidism	0.77	0.80	<.0001	0.56	0.50–0.62	<.0001
Liver Disease	2.95	2.77–3.15	<.0001	5.30	4.77–5.90	<.0001
Metastatic Cancer	2.69	2.51–2.89	<.0001	–	–	–
Neurological Disorder	3.21	3.11–3.31	<.0001	2.48	2.29–2.68	<.0001
Non-Metastatic Cancer	1.63	1.55–1.72	<.0001	–	–	–
Myocardial Infarction	–	–	–	1.48	1.42–1.55	<.0001
Obesity	0.61	0.57–0.66	<.0001	0.65	0.57–0.75	<.0001
Ulcer	0.66	0.58–0.76	<.0001	0.45	0.30–0.69	0.0002
Obesity	0.61	0.57–0.66	<.0001	0.65	0.57–0.75	<.0001
Paralysis	1.74	1.57–1.92	<.0001	–	–	–

**Table A1 (cont.)**

	AMI Risk Adjustment Model			CABG Risk Adjustment Model		
	Odds Ratio	95% Conf. Interval	p-value	Odds Ratio	95% Conf. Interval	p-value
Patient Comorbidities						
Peripheral Vascular Disease	-	-	-	1.28	1.20-1.36	<.0001
Pulmonary / Circulatory Disorder	-	-	-	1.23	1.37	<.0001
Psychosis	-	-	-	0.58	0.40-0.83	.0032
Renal Failure	2.13	2.07-2.19	<.0001	2.69	2.53-2.86	<.0001
Valvular Disorder	0.84	0.82-0.86	<.0001	1.39	1.34-1.45	<.0001
Weight Loss	1.63	1.55-1.71	<.0001	1.40	1.26-1.56	<.0001