

1 **Appendix 2 (as supplied by the authors):** Independent association of study year and
 2 patient characteristics on risk of death in hospital and after discharge from hospital.
 3

Factor	Value	Death In Hospital		Death Post Discharge*	
		Adj OR	95% CI	Adj OR	95% CI
Intercept		-	-	-	-
Year	1994	-	-	-	-
	1999	0.93	0.91, 0.95	0.92	0.91, 0.94
	2004	0.85	0.83, 0.87	0.91	0.90, 0.93
	2009	0.76	0.74, 0.77	0.79	0.78, 0.81
Patient Age	20-25	-	-	-	-
	25-29	0.97	0.8, 1.17	1.17	1.03, 1.33
	30-34	1.15	0.97, 1.37	1.51	1.34, 1.69
	35-39	1.40	1.19, 1.65	2.29	2.05, 2.56
	40-44	1.82	1.56, 2.12	3.25	2.92, 3.61
	44-49	2.14	1.85, 2.49	3.99	3.59, 4.42
	50-55	2.40	2.07, 2.78	4.95	4.47, 5.49
	55-59	2.88	2.49, 3.33	5.67	5.12, 6.28
	60-64	3.31	2.86, 3.82	6.73	6.09, 7.45
	65-69	3.96	3.43, 4.57	7.78	7.03, 8.60
	70-75	4.56	3.95, 5.25	9.14	8.27, 10.1
	75-79	5.42	4.71, 6.25	11.1	10.0, 12.3
	80-84	6.47	5.61, 7.46	14.1	12.8, 15.6
	85-89	7.69	6.67, 8.86	19.0	17.2, 21.0
	90-94	10.4	8.99, 11.97	29.4	26.5, 32.5
	95+	15.0	12.91, 17.36	50.1	45.0, 55.8
Female		1.18	1.16, 1.19	1.24	1.23, 1.26
Charlson Score	0	-	-	-	-
	1-2	3.45	3.36, 3.53	2.57	2.53, 2.61
	3-4	4.89	4.76, 5.02	4.18	4.11, 4.26
	5+	11.9	11.62, 12.22	14.8	14.6, 15.0
Elective Admission		0.42	0.41, 0.44	0.62	0.61, 0.63
Brought to Hospital by Ambulance		2.63	2.59, 2.68	1.29	1.28, 1.31
Admitting Service	Medicine	-	-	-	-
	ObsGyne	0.11	0.1, 0.13	0.24	0.22, 0.25
	Surgical	0.63	0.62, 0.65	0.65	0.64, 0.66

4 * this model only included patient who were discharged alive from hospital with the
 5 outcome being death within 1 year of admission date.