Supplementary Table S4: Odds ratios from logistic regression model - with ethnicity and deprivation included as covariates

Variable	Levels of covariates	Adjusted Odds Ratio*		
		Estimate	95% LL	95% UL
Sex	Male vs Female	1.28	1.25	1.30
Age (1 year increase)	At Age 66, AKI = 2, Pneumonia, Comorbidity = 0	1.03	1.03	1.04
	At Age 77, AKI = 2, Pneumonia, Comorbidity = 0	1.04	1.04	1.05
	At Age 85, AKI = 2, Pneumonia, Comorbidity = 0	1.05	1.04	1.06
	At Age 66, AKI = 2, Pneumonia, Comorbidity = 4	1.02	1.01	1.02
	At Age 77, AKI = 2, Pneumonia, Comorbidity = 4	1.02	1.02	1.03
	At Age 85, AKI = 2, Pneumonia, Comorbidity = 4	1.03	1.02	1.03
Admission Method	Emergency vs Elective	3.48	3.31	3.66
AKI alert warning level	At Age 66, AKI2 v AKI1	1.99	1.91	2.07
	At Age 66, AKI3 v AKI1	2.09	1.95	2.23
	At Age 66, AKI3 v AKI2	1.05	0.97	1.13
	At Age 77, AKI2 v AKI1	1.96	1.87	2.05
	At Age 77, AKI3 v AKI1	2.12	1.97	2.28
	At Age 77, AKI3 v AKI2	1.08	1.00	1.17
	At Age 85, AKI2 v AKI1	1.98	1.91	2.05
	At Age 85, AKI3 v AKI1	2.37	2.23	2.51
	At Age 85, AKI3 v AKI2	1.20	1.12	1.28
Comorbidity Score (1 unit increase)	At Age 66, Pneumonia	1.29	1.26	1.31
	At Age 77, Pneumonia	1.23	1.21	1.26
	At Age 85, Pneumonia	1.17	1.15	1.19
Ethnicity	White	1		
	Asian	0.78	0.74	0.83
	Black	0.76	0.70	0.83
	Other	1.32	1.23	1.41
	Unknown	0.84	0.77	0.92
	Missing	1.58	1.42	1.75
Deprivation quintile	Least deprived	0.90	0.88	0.93
	2	0.93	0.90	0.96
	3	0.91	0.89	0.94
	4	0.96	0.93	0.99
	Most deprived	1		
	Missing	0.94	0.81	1.08

* Model adjusted for age, sex, ethnicity, deprivation, admission method, AKI alert warning level, comorbidity score and month of alert. LL = Lower Limit. UL = Upper Limit