Supplementary information

Supplementary Table 1. Regression analysis modelling length of stay and escalation of care, using hospital as an independent variable (rather than a clustering variable)

	LOS				Escalated Care			
	IRR	95%CI		p		OR	95%CI		p
Age (years)	0.995	(0.988,	1.003)	0.237	Age (years)	1.049	(1.030,	1.070)	<0.001
Triage					Triage				
1	(ref)				1	(ref)			
2	0.483	(0.358,	0.653)	<0.001	2	0.141	(0.088,	0.226)	<0.001
3	0.277	(0.205,	0.374)	<0.001	3	0.027	(0.017,	0.044)	<0.001
4	0.167	(0.122,	0.229)	<0.001	4	0.005	(0.002,	0.010)	<0.001
5	0.105	(0.062, | 0.180)	<0.001	5	-			
Sex (female)	1.052	(1.001,	1.106)	0.045	Sex (female)	1.032	(0.898,	1.186)	0.660
Tertiary	4.278	(3.824,	4.787)	<0.001	Tertiary	1.084	(0.787,	1.493)	0.622
Hospital					Hospital				
K	(ref)				K	(ref)			
H	1.174	(1.028,	1.341)	0.018	H	0.626	(0.446,	0.879)	0.007
M	5.192	(4.603,	5.856)	<0.001	M	0.802	(0.570,	1.128)	0.204
Q	0.987	(0.883,	1.103)	0.817	Q	0.869	(0.620,	1.218)	0.415
E	5.075	(4.178,	6.165)	<0.001	E	0.685	(0.420,	1.116)	0.129
O	0.756	(0.672,	0.850)	<0.001	O	0.319	(0.221,	0.461)	<0.001
F	1.906	(1.566,	2.319)	<0.001	F	0.265	(0.137,	0.513)	<0.001
N	0.590	(0.524,	0.664)	<0.001	N	0.073	(0.041,	0.129)	<0.001
L	2.932	(2.638,	3.259)	<0.001	L	0.321	(0.224,	0.459)	<0.001
B	3.893	(3.192,	4.747)	<0.001	B	0.721	(0.468,	1.112)	0.139
P	4.494	(3.943,	5.122)	<0.001	P	0.421	(0.288,	0.616)	<0.001
A	3.417	(2.865,	4.077)	<0.001	A	0.488	(0.309,	0.770)	0.002
G	2.985	(2.614,	3.408)	<0.001	G	0.857	(0.612,	1.200)	0.370
D	3.234	(2.827,	3.699)	<0.001	D	0.613	(0.404,	0.929)	0.021
I	0.968	(0.861,	1.088)	0.584	I	1.266	(0.934,	1.717)	0.129
J	0.880	(0.773,	1.003)	0.056	J	0.463	(0.322,	0.666)	<0.001
R	1.120	(0.993,	1.263)	0.066	R	0.555	(0.390,	0.790)	0.001
C	-				C	-			

Note: C excluded due to collinearity.