

## Supplementary material S3 – Tables S1–S3

**Supplementary Table S1. Mean monthly rate of admission from AEC to inpatient bed or from EAU to inpatient bed for the duration of the study.**

Top 20 most common ICD-10 primary diagnoses (3 digits) on AEC	EAU monthly admission rate (%)	AEC monthly admission rate (%)
Acute kidney failure	75.93	24.05
Pneumonia, unspecified organism	67.70	20.38
Heart failure	70.78	19.67
Other disorders of urinary system	56.96	16.34
Other chronic obstructive pulmonary disease	59.19	14.25
Pulmonary embolism	63.09	13.63
Other disorders of fluid, electrolyte and acid–base balance	48.85	12.08
Phlebitis and thrombophlebitis	38.67	9.10
Cellulitis and acute lymphangitis	59.63	9.00
Atrial fibrillation and flutter	35.67	5.99
Syncope and collapse	29.14	5.68
Abdominal and pelvic pain	25.68	5.37
Iron deficiency anaemia	63.47	3.62
Unspecified acute lower respiratory infection	38.66	3.58
Headache	19.89	3.15
Viral infection of unspecified site	17.65	2.74
Pain in throat and chest	10.64	1.10
Other and unspecified soft tissue disorders, not elsewhere classified	25.50	0.94
Abnormalities of heartbeat	23.79	0.56
Abnormalities of breathing	17.54	0.45

**Supplementary Table S2. Mean monthly 30-day mortality stratified by primary diagnosis for the duration of the study.**

<b>Top 20 most common ICD-10 (3 digits) primary diagnosis on AEC</b>	<b>Non-ambulatory 30-day mortality (%)</b>	<b>AEC 30-day mortality (%)</b>
Acute kidney failure	16.74	5.20
Other chronic obstructive pulmonary disease	8.02	4.83
Heart failure	15.82	4.11
Pneumonia, unspecified organism	19.24	3.86
Iron deficiency anaemia	2.17	2.78
Other disorders of fluid, electrolyte and acid–base balance	4.31	2.03
Pulmonary embolism	8.24	1.74
Unspecified acute lower respiratory infection	7.05	1.28
Other and unspecified soft tissue disorders, not elsewhere classified	0.00	1.18
Atrial fibrillation and flutter	1.88	0.71
Other disorders of urinary system	4.54	0.65
Cellulitis and acute lymphangitis	4.24	0.56
Abnormalities of breathing	2.55	0.39
Syncope and collapse	1.21	0.38
Pain in throat and chest	0.54	0.12
Abdominal and pelvic pain	4.61	0.00
Abnormalities of heartbeat	0.65	0.00
Headache	0.29	0.00
Phlebitis and thrombophlebitis	5.97	0.00
Viral infection of unspecified site	0.00	0.00

**Supplementary Table S3. Mean monthly 30-day readmission rate stratified by primary diagnosis for the duration of the study.**

<b>Top 20 most common ICD-10 (3 digits) primary diagnosis on AEC</b>	<b>Non-ambulatory 30-day readmission rate (%)</b>	<b>AEC 30-day readmission rate (%)</b>
Acute kidney failure	19.73	16.81
Other chronic obstructive pulmonary disease	28.34	16.04
Other disorders of urinary system	19.93	12.48
Other disorders of fluid, electrolyte and acid-base balance	20.09	10.56
Pneumonia, unspecified organism	19.39	10.54
Heart failure	22.05	8.71
Unspecified acute lower respiratory infection	18.77	6.40
Syncope and collapse	8.58	6.21
Cellulitis and acute lymphangitis	23.65	6.09
Atrial fibrillation and flutter	17.69	6.00
Phlebitis and thrombophlebitis	23.17	5.51
Iron deficiency anaemia	15.32	5.38
Pulmonary embolism	13.39	4.67
Abnormalities of breathing	21.47	4.19
Abdominal and pelvic pain	15.13	4.10
Other and unspecified soft tissue disorders, not elsewhere classified	9.43	4.10
Headache	8.48	4.01
Viral infection of unspecified site	13.31	2.17
Abnormalities of heartbeat	14.84	2.01
Pain in throat and chest	8.61	1.85