

Medications On Intensive Care: A HDRUK Medicines Driver Programme Dataset

Data range for infographic: 01.01.2021-31.12.2023 Other extended time periods are available on request

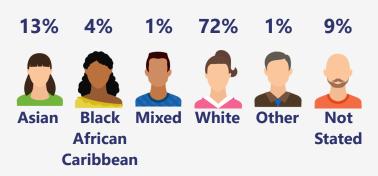
A highly granular dataset of 9,100 intensive care spells curated by PIONEER, including demography, serial physiology, consult specialties, diagnostics codes, initial presentations, presenting symptoms, cognition scores and all medications (dose and route).

Demographic

The dataset includes:

- Young adults **5%** (ages 18-24)
- Adults 57% (ages 25-64)
- Older adults **38%** (ages 65+)

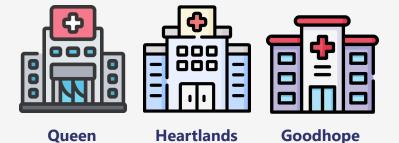
Based on the index of multiple deprivation map,41% of the population are from most deprived areas and 11% of patients are from least deprived areas.



ICU Hospital admissions 7002 1614 620

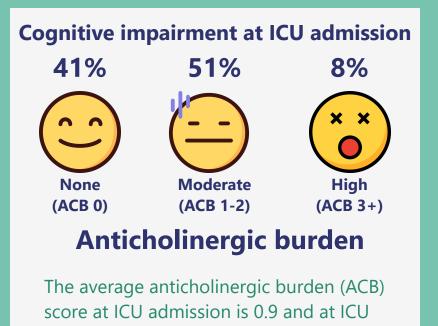
Intensive care unit

65K Days worth of data in intensive care with an

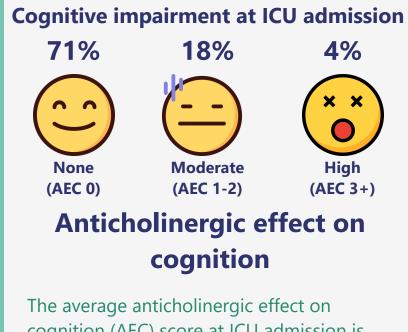


Queen Elizabeth average of **7** days in intensive care. Over **358K** prescriptions recorded, **5M** drug administrations, **412K** laboratory tests and **2M** observations recorded during their intensive care unit stay.

Other treatments and investigations are available.



Scores at other timepoints are available.



The average anticholinergic effect on cognition (AEC) score at ICU admission is 0.4 and at ICU discharge is 0.7.

Inpatient care

discharge is 1.3.

- 9,100 Hospitalised spells; containing 8,738 unique patients admitted to ICU
- **228K** days worth of hospital data with an average in-hospital length of stay of 25 days
- In-hospital mortality rate of 17% and 91% of patients surviving 12 months after discharge
- The median Standardised Early Warning Score is 1 and the median Waterlow score is 11

Hospital electronic recorded frailty index

13% 20	0% 67	'%
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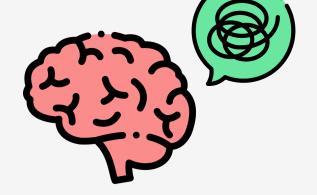
ICU delirium score

1,622 patients in intensive care unit had a positive delirium score and 6,831 patients had a negative delirium score.





MildlyModeratelyModeratelyfrailfrailfrail(HerFl <0.24)</td>(HerFl 0.24-0.36)(HerFl >0.36)



Other associated data available upon request

Contact us at: www.pioneerdatahub.co.uk pioneer@uhb.nhs.uk