



PIONEER

Health Data Research Hub

NIHR | Birmingham Biomedical Research Centre

NT-proBNP in sepsis patients aged 65+: NIHR Birmingham BRC Dataset

Data range for infographic: 20.03.2017-20.03.2023

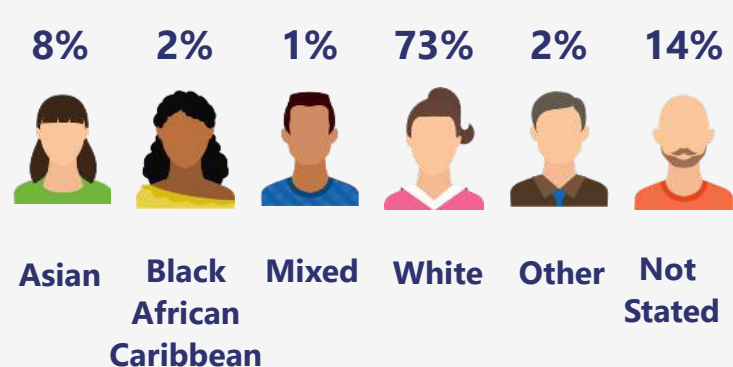
Other extended time periods are available on request

A National Institute for Health and Care Research (NIHR) Birmingham Biomedical Research Centre (BRC) dataset featuring serial NT-proBNP measurements for patients aged 65+ with sepsis, ARDS, and polytrauma admitted to intensive care from a diverse cohort.

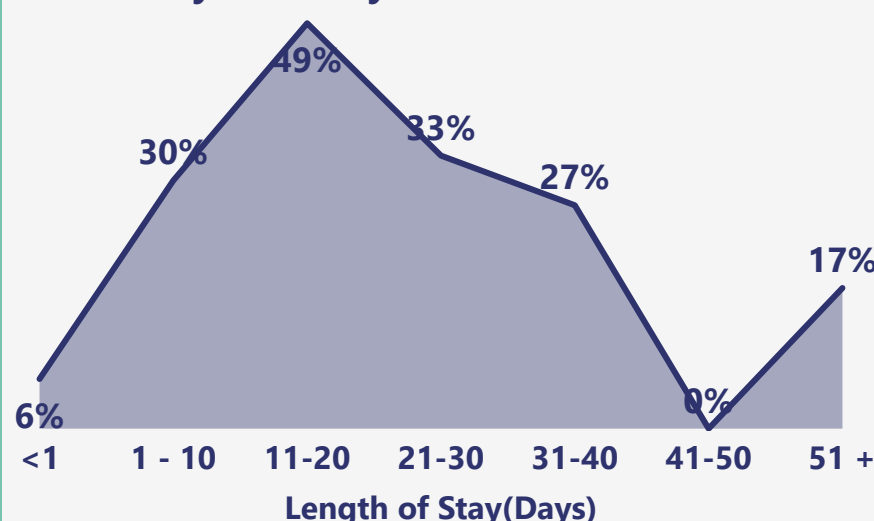
Demographic

The dataset includes patients aged 65+:

- Female **39%**
- Male **61%**



ICU Stay Mortality Rate



Intensive Care Unit

- 3,042** days worth of inpatient stays in ICU
- Average ICU stay of **11** days
- ICU mortality rate is **32%** with **239** patients surviving 6 months after discharge
- The average number of days to death days is **96** days

328 NT-proBNP



Measurements

- 4752.60** average result of NT-proBNP
- 1996** median result of NT-proBNP

3184 Severity Scoring System



Sofa Score

The median presenting score for Sequential organ failure Assessment score is **7**

Inpatient care

- 254** Hospitalised acute spells; containing **253** unique patients admitted to ICU
- 8,565** days worth of inpatient stays with an average in-hospital length of stay of **33** days
- The average baseline result of Estimated glomerular filtration rate (EGFR) is **47.52**

Sepsis

The Top 3 ICD10 Diagnosis:

- 127** Sepsis Unspecified
- 14** Sepsis due to other Gram-negative organisms
- <10** Septic Shock



Acute Respiratory Distress Syndrome

- 111** distinct number of patients diagnosed with Adult respiratory distress syndrome (ARDS) or COVID-19 with partial pressure inspired to fractional ratio (PaO₂/FiO₂ ratio) < 300

