



NT-proBNP Dynamics in Critically III Patients with Sepsis, Polytrauma and ARDS

Data range for infographic: 14.02.2017-07.10.2022

Other extended time periods are available on request

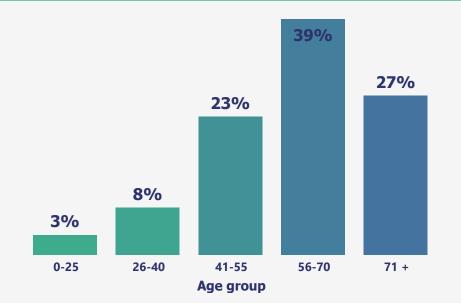
Patients without chronic heart failure or acute heart failure diagnoses and admitted to ICU with sepsis, acute respiratory failure (specifically ARDS) or polytrauma without severe head injury, and with at least one measurement of NT-proBNP at any time from 3-months pre-ICU admission to 6 months post-ICU discharge. Longitudinal & individually linked, so that the preceding & subsequent health journey can be mapped & healthcare utilisation prior to & after admission understood.

Demographic

The dataset includes:

- children <1% (ages 0-17)
- adults **57%** (ages 18-64)
- elderly **42%** (ages 65+)

60% of patients admitted were Male and **40%** of patients admitted were Female.



14% 12% 11% 11% 7% <1 1 - 10 11-20 21-30 31-40 41-50 51 + Length of Stay(Days)

Intensive Care Unit

- 24,475 days worth of inpatient stays in ICU
- ICU mortality rate is 10% with
 2208 patients surviving 6 months after discharge
- The average number of days to death days is 125 days

318 NT-proBNP



Measurements

- **5681.68** average result of NT-proBNP
- **1610** median result of NT-proBNP

5587 Severity Scoring System



Sofa Score

The median presenting score for Sequential organ failure Assessment score is **13**.

Inpatient care

- 559 Hospitalised acute spells; containing 552 unique patients admitted to ICU
- 827 days worth of inpatient stays with an average in-hospital length of stay of 1 day
- The average baseline result of Estimated glomerular filtration rate (EGFR) is **49.45**

Sepsis

The Top 3 ICD10 Diagnosis:

- 247 Sepsis Unspecified
- **30** Sepsis due to other Gram-negative organisms
- 12 Septic Shock



Acute Respiratory Distress Syndrome

 285 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

