

**NIHR** Birmingham Biomedical Research Centre

# **NIHR Birmingham BRC Dataset: Outcomes For Older Adults On Critical Care**

Data range for infographic: 01.01.2017-01.03.2023 Other extended time periods are available on request

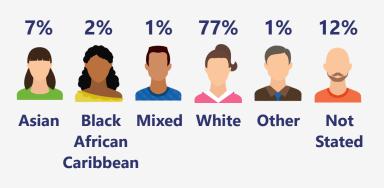
An NIHR Birmingham BRC Dataset of 8,656 intensive care admissions for patients aged 65+. Includes severity scores (APACHE, SAPS, SOFA), investigations, serial physiology, treatments, and outcomes up to one-year post-admission.

## Demographic

The dataset includes patients aged 65+:

- Male **60%**
- Female **40%**

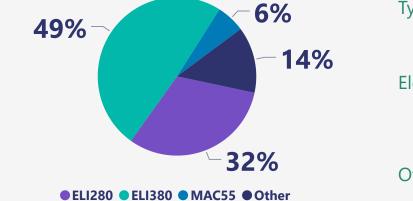
Based on the index of multiple deprivation map, **29%** of the population are from most deprived areas and **13%** of patients are from least deprived areas.



#### **ECG device model**

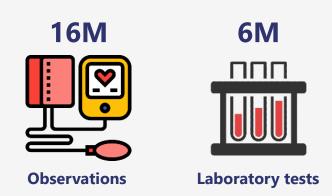
## Electrocardiogram





- **9K** Resting ECG
- **181** Cardiac implant ECG Electrocardiogram file types:
  - **6K** HDCXML files
  - **4K** PDF files

Other ECG types and file types are available.



### **Measurements**

5M blood samples, 758K serum samples and **3K** blood plasma samples recorded.

Other sample types are available.

315K	22K
GCS	SOFA

### Severity scoring systems

The median presenting score for:

- Glasgow Coma Scale (GCS) is 12
- Sequential Organ Failure Assessment (SOFA) is 6

## **Inpatient care**

- **8,656 Hospitalised spells;** containing **8,221** unique patients admitted to critical care
- 165K days worth of hospital data with an average in-hospital length of stay of 19 days
- In-hospital mortality rate of 15% and 86% of patients surviving 12 months after discharge
- The median National Early Warning Score is 2 and the median Clinical Frailty Scale is 3

# **Ventilation**

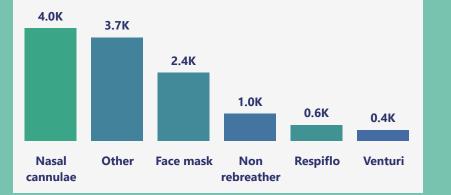
- **6M** Ventilation parameters
- **9K** Endotracheal tube spells
- **5K** Spells with tracheostomy

#### **Ventilation Mask Types**

# **Medical procedures**

Top 5 medical procedures are:

- 7K Right sided operations
- **5K** Left sided operations
- **5K** ultrasonic organ approach



- 5K Radiology of one body area
- 4K Central venous catheter



Other associated data available upon request

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