

Cardiac Disease Following Critical Illness And Intensive Care Admission

Data range for infographic: 28.12.2015-11.12.2023

Other extended time periods are available on request

A highly granular dataset of 829 people with an acute myocardial syndrome while on intensive care, including serial physiology before, during and after the event, demography, co-morbidities, investigations including imaging and long-term outcomes.

Demographic

The dataset includes:

- Young adults **1.8%** (ages <=24)
- Adults **66.6%** (ages 25-66)
- Older adults **31.6%** (ages 67+)

Based on the index of multiple deprivation map, **52%** of the population are from most deprived areas and 8% of patients are from least deprived areas.

17%









African Caribbean

Black Mixed White Other

Stated

SOFA score

12-14

10-11

8-9

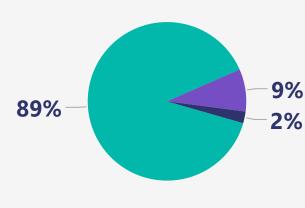
2-3

120

205

220

Patient cohort



■ ARDS■ Sepsis■ Polytrauma

Comorbidities

Percentage of hospital spells with comorbidities:

- Hypertension 38%
- Hypercholesterolaemia 13%
- Atrial fibrillation 5%

APACHE II score

>34

30-34

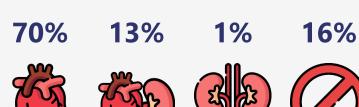
25-29

15-19

10-14

Cerebral vascular accident 3%

Other comorbidities are available.





MAKE





MAKE



None

5-9 **Number of spells ICU** mortality prediction

10% of hospital spells have an estimated intensive care unit mortality rate of **over 85**%.

Major adverse events

The median age group with a major adverse:

- Cardiac Event (MACE) is 57-61
- Kidney Event (MAKE) is 62-66

Inpatient care

- 832 Hospitalised spells; containing 829 unique patients admitted to critical care
- 23K days worth of hospital data with an average in-hospital length of stay of 28 days
- In-hospital mortality rate of 48% with 47% of patients surviving 12 months after discharge The average Clinical Frailty Scale is 3 and the average Injury Severity Score is 23

Post critical care

Patients with chronic conditions

Hypertension

146

disease

Diabetes mellitus

111 Heart failure **Atrial**

fibrillation 40 Deep vein thrombosis

Readmissions

Percentage of patients readmitted to hospital within:

- 3 months post critical care **16%**
- 6 month post critical care 20%
- 12 months post critical care **23%**

