



PIONEER

Health Data Research Hub

Admission Programme Dataset: Multiple Long-Term Conditions In Hospital Patients

Data range for infographic: 01.01.2000-07.02.2024
Other extended time periods are available on request

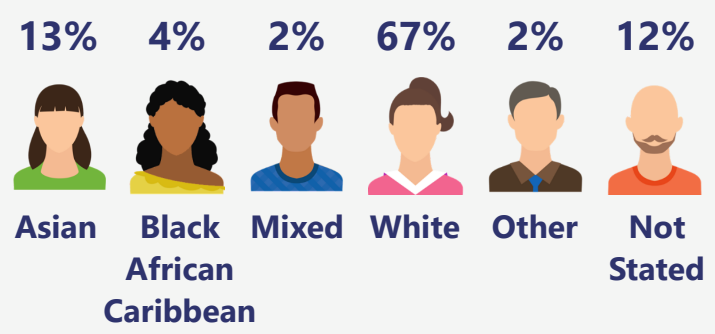
An Admission programme dataset of 119,815 hospitalised patients including demography, presenting symptoms, diagnoses, imaging, investigations, medications, procedures, operations and outcomes, with a focus on multiple long-term conditions.

Demographic

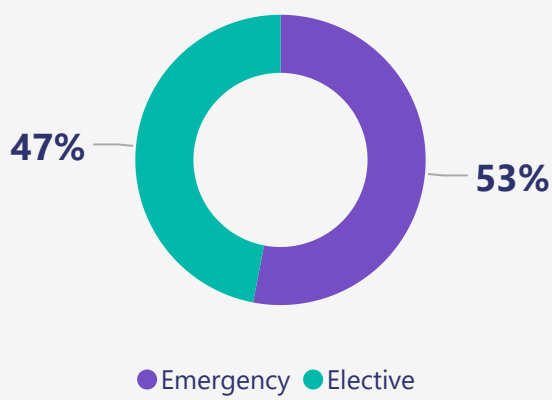
The dataset includes:

- Younger adults **7%** (ages 18-24)
- Adults **54%** (ages 25-64)
- Older adults **39%** (ages 65+)

Based on the index of multiple deprivation map, **43%** of the population are from most deprived areas and **9%** of patients are from least deprived areas.



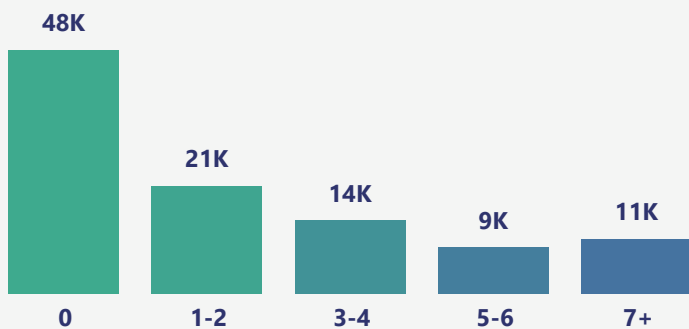
Admission type



Admissions

- Cohort 1 has **72K** index admissions between 01-07-2018 to 30-06-2019
- Cohort 2 has **59K** index admissions between 01-07-2021 to 30-06-2022
- **18%** of admissions are on the weekend
- **82%** of admissions are on weekdays
- The average number of admissions within 10 years is 10

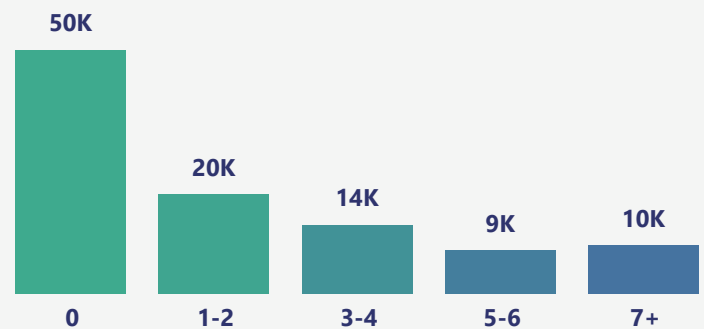
Number of comorbidities



In-hospital comorbidity

59 conditions are measured including; stroke, coronary artery disease, heart failure, arrhythmia and 55 more. The average number of comorbidities a patient has in-hospital is 2.2.

Number of comorbidities



historic comorbidity

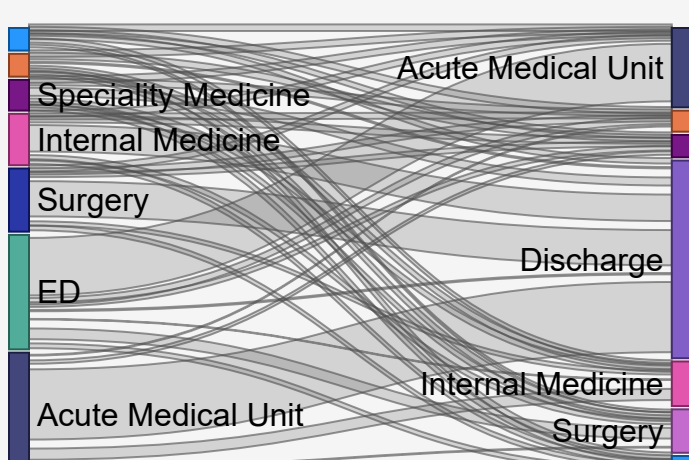
The average number of comorbidities a patient has prior to index admission is 2.1. An average increase of 1 condition per 10 patients.

Inpatient care

- **1,318,258 Hospitalised spells;** containing **119,815** unique patients admitted to hospital
- **2M** days worth of hospital data with an average in-hospital length of stay of 1 day
- In-hospital mortality rate of 2% and 94% of patients surviving 12 months after discharge

Wards and pathway

Patient pathway from admission to next ward location.



Readmissions

10% of index admissions are readmitted to hospital within 30 days of discharge.

