





Admission Patterns In Multiple Long-Term Conditions: NIHR/UKRI ADMISSION Dataset

Data range for infographic: 01.01.2018-31.12.2018

Other extended time periods are available on request

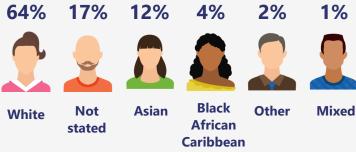
Longitudinal data (>10 years) for >70,000 patients, including accrual of comorbidities, acute admissions and outcomes, detailed demographics, ICD10 codes, and time-stamped acute care data including acuity, physiology, investigations and medicines.

Demographics

The dataset includes:

- young adults **8%** (ages 18-25)
- adults **53%** (ages 26-64)
- elderly **39%** (ages 65+).

Based on patients postal codes and the index of multiple deprivation; 41% of patients come from most deprived areas and 8% are from least deprived areas.



Top 5 primary ICD10 diagnoses

3264 2358

1283

905

803











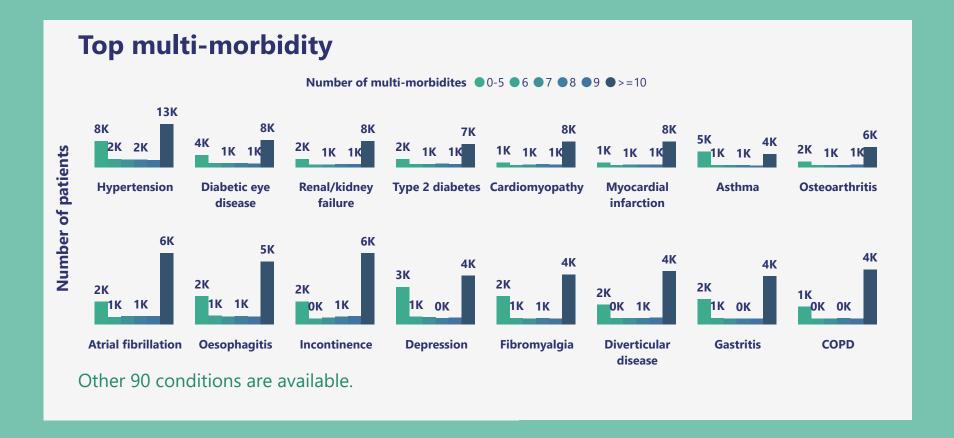
Chest pain Abdominal Pneumonia and pelvic pain

Other disorder of urinary system

Headache

Diagnoses

- Over 6M diagnoses recorded
- 5M Discharge diagnoses recorded
- 328K Presenting conditions recorded
- **181K** Admitting diagnoses recorded
- 117K Clinical diagnoses recorded
- **10K** distinct ICD10 diagnoses
- **4K** distinct SNOMED diagnoses



Inpatient care

- **8.19GB worth of data,** one of Europe's most diverse and non-transient populations
- 72,862 unique patients with at least one hospital admission in the calendar year 2018
- 42.6% of patients were readmitted to hospital within one year post discharge
- In-hospital mortality rate of 1.11% and 91% of patients surviving 12 months after discharge

Lookback and readmission = Lookback **73K** = Index Year 2018 = Readmission Number of pati 19K 19K 10K -9 -7 -5 -4 -2 -1 0 Year

