



PIONEER

Health Data Research Hub

Identifying And Addressing Avoidable Readmissions Following Hip Fracture

Data range for infographic: 01.01.2019-31.12.2024
Other extended time periods are available on request

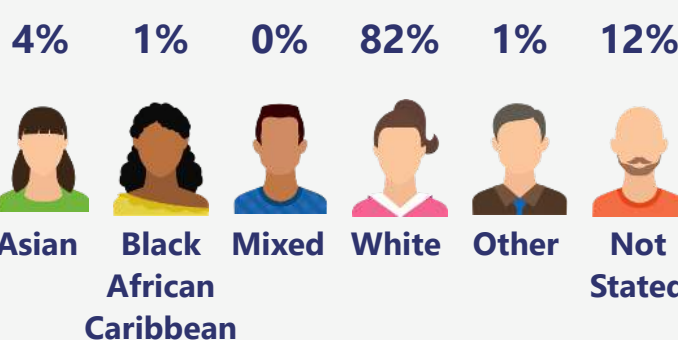
Highly granular dataset of >5800 patients with a hip fracture including demographics, vital signs, acuity scores, clinical assessments, investigations, laboratory and imaging results, medications, surgeries, outcomes and readmissions.

Demographic

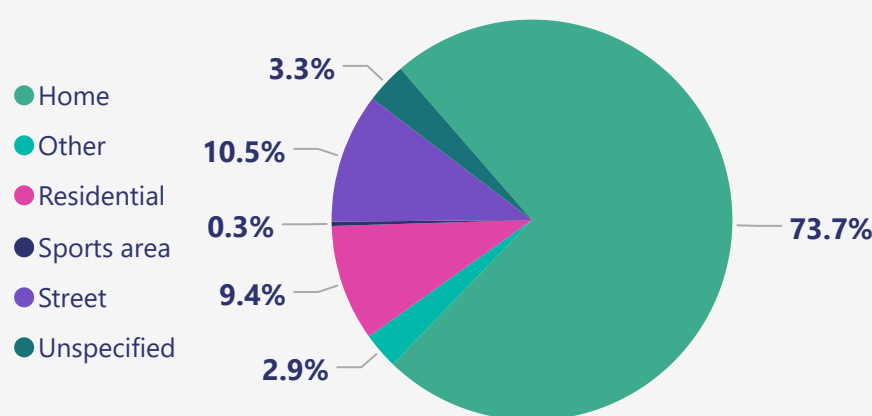
The dataset includes:

- Ages 65-74 **16%**
- Ages 75-84 **35%**
- Ages 85+ **49%**

Based on the index of multiple deprivation map, **35%** of the population are from most deprived areas and **15%** of patients are from least deprived areas.



Location of fall occurrence



Diagnosis

Top 5 falls are:

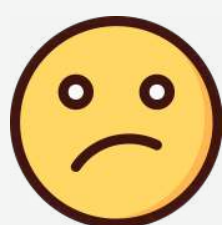
- Unspecified fall. **1985** Spells
- Falls on same level from slipping, tripping and stumbling. **1574** Spells
- Other falls on same level. **890** Spells
- Fall involving stairs and steps. **262** Spells
- Fall involving beds. **222** Spells

Other falls and diagnoses are available

6.6% **23.8%** **69.6%**



Fit/mildly frail



Moderately frail



Severely frail

HERFI

The average Hospital electronic record frailty index is **0.52** equivalent to severely frail.

36.0% **58.9%** **5.1%**



Low risk



Moderate risk



High risk

Falls assessment

Over **18K** falls assessments recorded with **7k** assessments sustaining a fracture following a fall in the last 2 years.

Inpatient care

- 5,802 Hospitalised spells;** containing **5,526** unique patients diagnosed with a hip fracture
- 108K** days worth of hospital data with an average in-hospital length of stay of 18 days
- In-hospital mortality rate of 23% with 77% of patients surviving 30 days after discharge
- The average initial Waterlow Score is 5 and the average initial AMT10 score is 18

Residential care

12% of spells discharged to residential care. **22%** of which readmitted to hospital within 30 days.



Readmissions

19% of spells readmitted to hospital within 30 days.

