PIONEER
Health Data Research Hub

Synthetic Data: Acute Atrial Fibrillation Patient Profiles & Clinical Insights

Data range of source data for infographic: 11/2017 - 01/2021
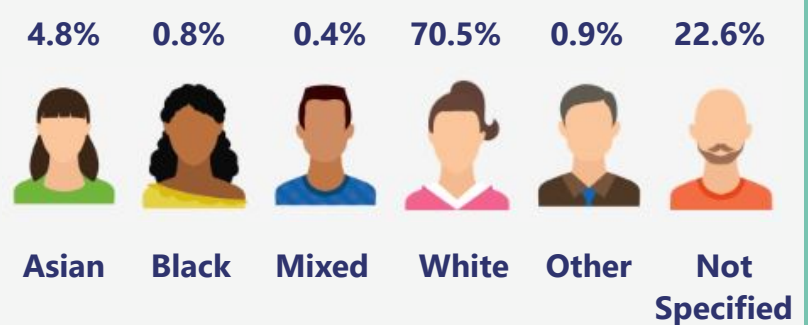#### Other extended time periods are available on request

A synthetic dataset featuring patient-level information for 24.80k atrial fibrillation patients admitted at A&E, including demographics, and other clinical records during hospital admissions.
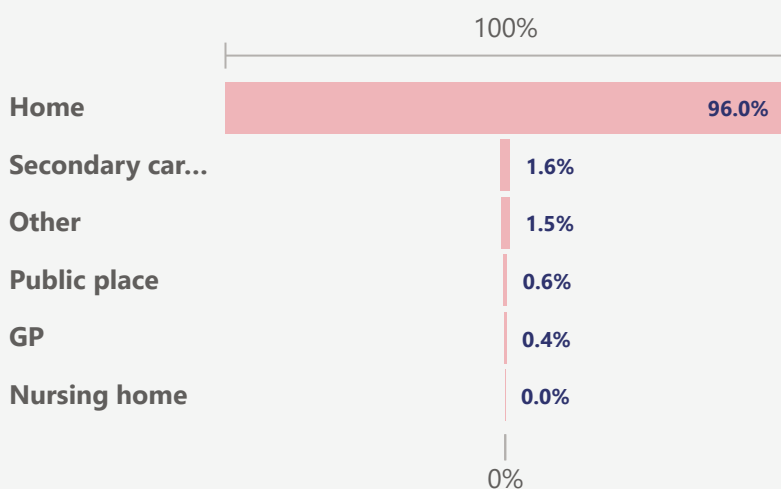
Demographic

The dataset includes:
- Young adults **2.2%** (ages <40)
- Mid-age adults **7.4%** (ages 40-60)
- Aged adults **37.3%** (ages 60-80)
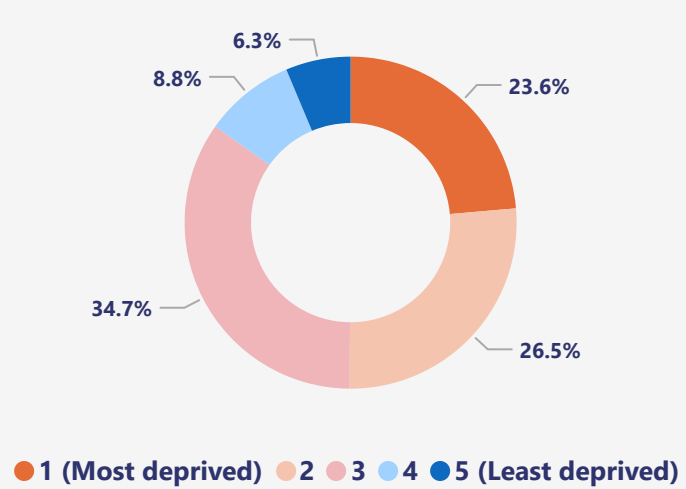- Elderly **53.1%** (ages 80+)

41% of atrial fibrillation patients are female and **59%** of patients are male.

4.8%	0.8%	0.4%	70.5%	0.9%	22.6%
Asian	Black	Mixed	White	Other	Not Specified

Patient by Admission Location

Home	96.0%
Secondary car...	1.6%
Other	1.5%
Public place	0.6%
GP	0.4%
Nursing home	0.0%

100%
0%

Patient by Deprivation Index

- 23.6%
- 26.5%
- 34.7%
- 8.8%
- 6.3%

● 1 (Most deprived) ● 2 ● 3 ● 4 ● 5 (Least deprived)

Inpatient care

- **24.80k** Hospitalized spells
- **3591** death in hospital during the current spell
- **223K** days of hospital data
- **6-days** Median In-Hospital Length of Stay

Medical Events during Inpatient care

Bleeding	62
Cardiac arrest	345
Chest pain	25
Choking	23
Fall requiring cervical...	26
Low blood pressure	27
Observed collapse	
Reduced conscious le...	349
Seizure	88
Sepsis	60
Syncope	129
Unresponsive	280

100%
451.6%

Real Data Available on Request

Contact us at:
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