



PIONEER

Health Data Research Hub

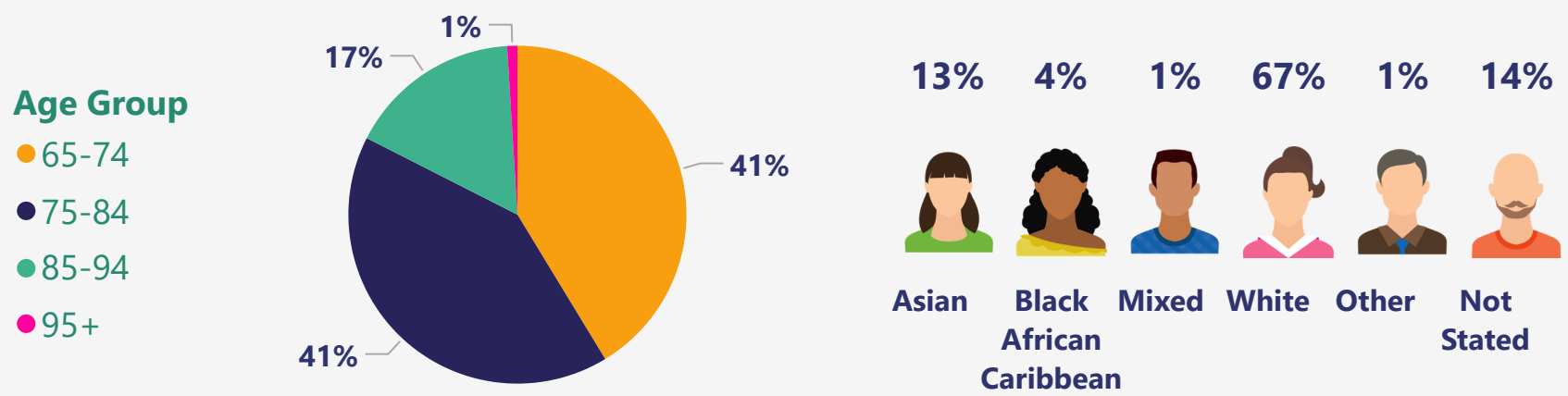
NIHR | Midlands Patient Safety Research Collaboration

A NIHR Midlands PSRC Dataset Of Older Patients With Diabetic Emergencies

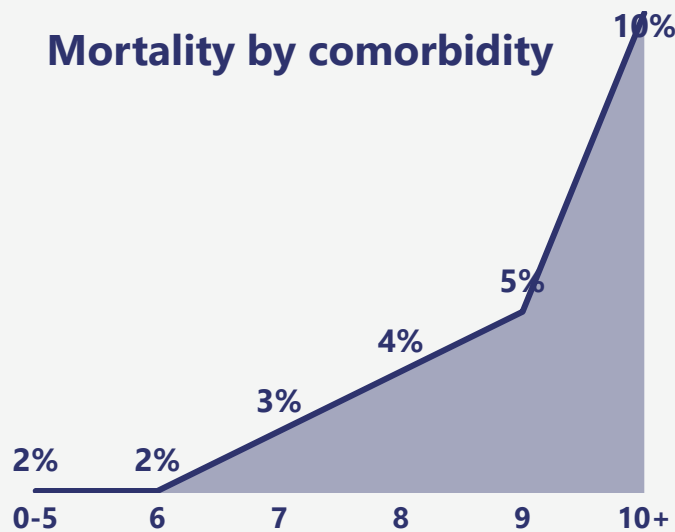
Data range for infographic: 01.01.2000-02.02.2022
Other extended time periods are available on request

An NIHR Midlands Patient Safety Research Centre dataset of 366,035 diabetic emergencies and acute admissions associated with diabetes in older adults including demographic data with investigations, serial physiology and outcomes.

Demographic



Mortality by comorbidity

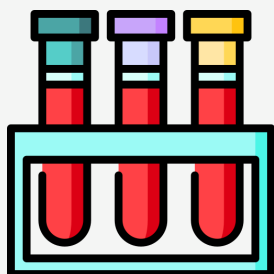


Comorbidities

- Top 5 diabetic complications in patient spells:
- 332K Non-insulin-dependent Diabetes Mellitus
 - 269K Essential (primary) Hypertension
 - 74K Chronic Kidney Disease
 - 61K Chronic Ischaemic Heart Disease
 - 30K Congestive Heart Failure

Other diagnoses are available

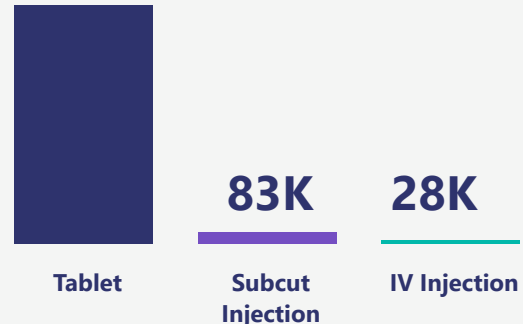
33M



Laboratory Test

- 3M blood glucose test recorded
 - 31K HbA1c tests completed
- Other blood details are available.

1.8M



Medication

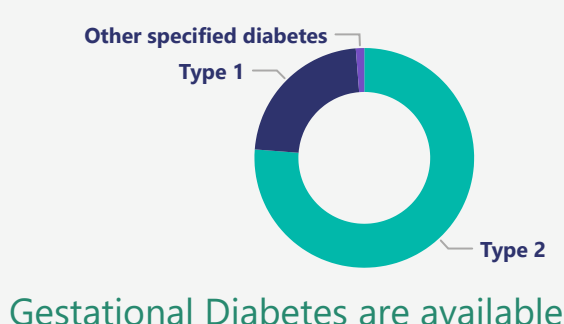
- 32K Rapid Acting Insulin; Lispro, Aspart and Glulisine
- 30K Long Acting Insulin; Glargine, Detemir and Degludec

Inpatient care

- 367,803 Hospitalised spells; containing 83,303 unique diabetic patients
- 2M days worth of hospital data with an average in-hospital length of stay of 6 days
- 237K X-Rays and 75K CT Scans with other imaging and investigation available
- 27% of the population are from most deprived areas and 7% of patients are from least deprived areas

Type of Diabetes

- 23% Type 1 diabetic
- 76% Type 2 diabetic
- 1% Other specified diabetes



Referrals

- 51K General Medicine
- 19K Diabetes service
- 7K Cardiology service
- 4K General Surgery
- 940 Vascular Surgery

