



PIONEER

Health Data Research Hub

NIHR | Midlands Patient Safety
Research Collaboration

Specialist Bronchiectasis Management And Acute Care Presentations To Hospital

Data range for infographic: 01.01.2000-29.05.2024

Other extended time periods are available on request

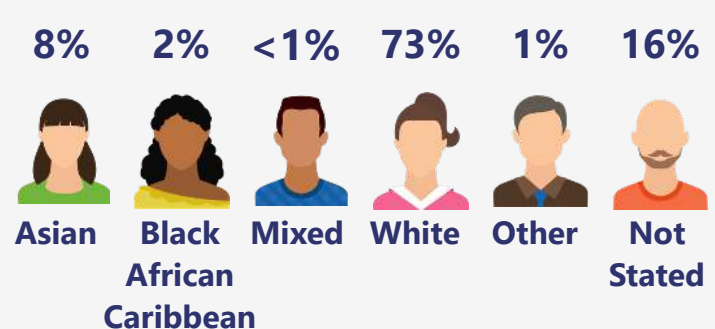
A NIHR TRC dataset of >50,000 bronchiectasis admissions with details of specialist care, including demography, serial physiology, lung function data, presenting symptoms, procedures, imaging, microbial cultures, prescriptions and medications.

Demographic

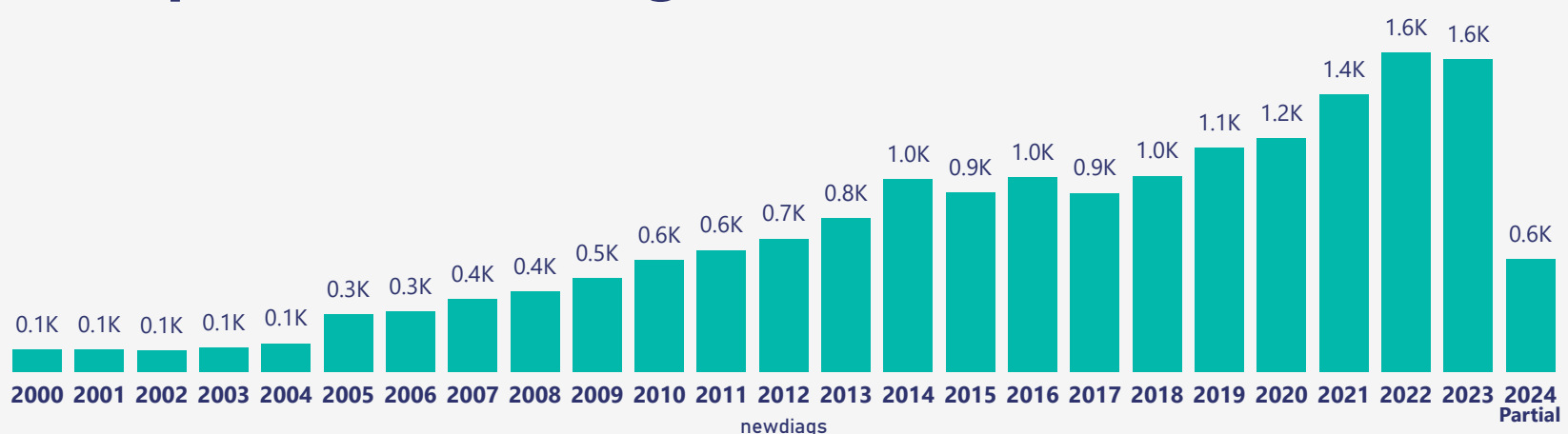
The dataset includes:

- Children **0.5%** (ages 0-17)
- Adults **29.5%** (ages 18-64)
- Older adults **70%** (ages 65+)

Based on the index of multiple deprivation map,
41% of the population are from most deprived areas
and **14%** of patients are from least deprived areas.



New patients with diagnosed Bronchiectasis



Top 4 presenting complaint

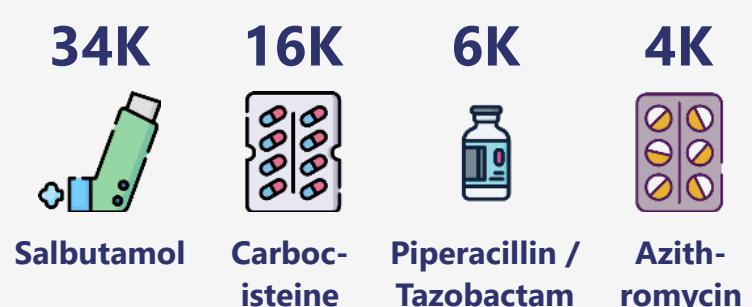


Diagnoses

2,934 spells with Rheumatoid arthritis
1,496 spells with Noninfective enteritis/colitis
444 spells with Cystic fibrosis

Other diagnoses are available.

Prescribed prescriptions



Medication

Over **714K** prescriptions recorded and more than **4.8M** drug administrations recorded.

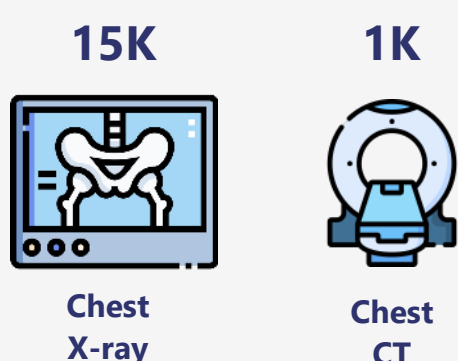
Other medication details are available.

Inpatient care

- 51,166 Hospitalised spells;** containing **17,015** unique patients diagnosed with bronchiectasis
- 370K** days worth of hospital data with an average in-hospital length of stay of 7 days
- In-hospital mortality rate of 4% and 82% of patients surviving 12 months after discharge
- The median National Early Warning Score is 2 and the median Clinical Frailty Scale is 4

Medical imaging

Over 17K medical imaging recorded including CT, X-Rays, Ultrasounds, MRI and more.



Other imaging are available.

Microbial culture

Top organisms detected in sputum culture:

- 26%** Pseudomonas aeruginosa
- 10%** Haemophilus influenzae
- 10%** Staphylococcus aureus



Other cultures are available.

Other associated data available upon request

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