



# 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

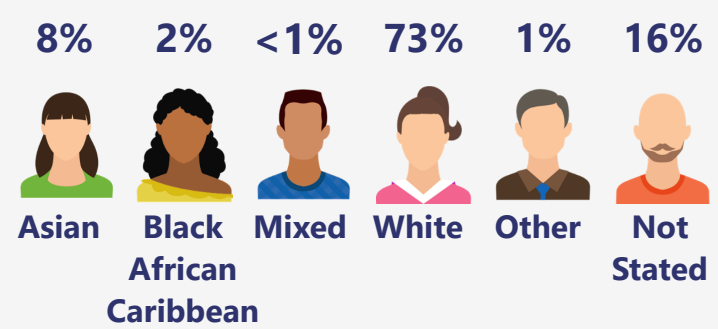
A NIHR TRC dataset of >50,000 bronchiectasis admissions with details of specialist care, including demography, serial physiology, lung function data, presenting symptoms, procedures, imaging, microbial cultures, prescriptions and medications.

### Demographic

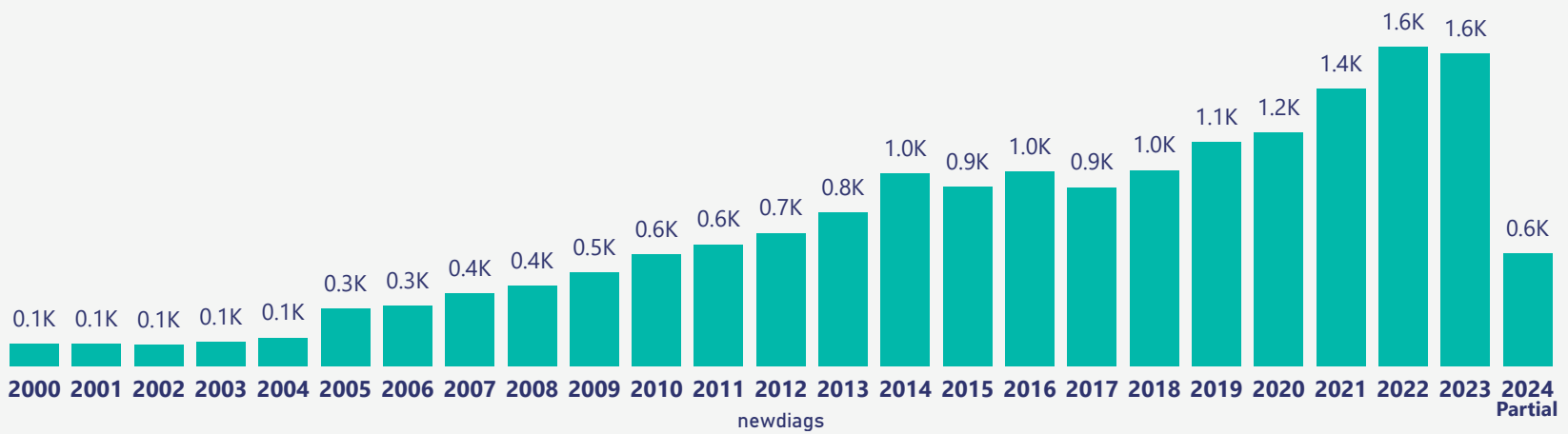
The dataset includes:

- 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

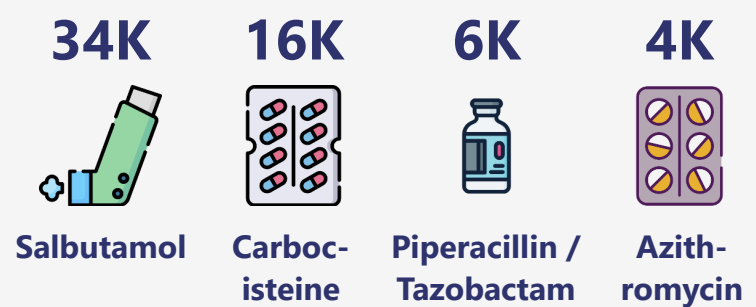


#### Diagnoses

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.

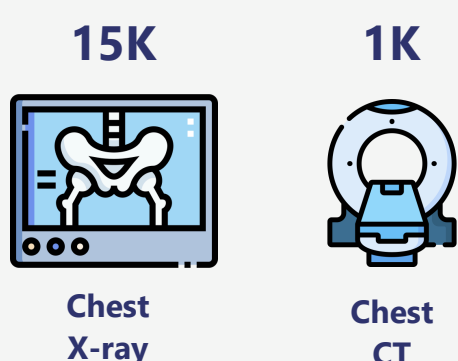
Other medication details are available.

### 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.