Synthetic Dataset - Patients At Risk Of Sudden Death: Hypertrophic Cardiomyopathy

Data range for infographic: 22.02.2022-31.01.2024

Other extended time periods are available on request

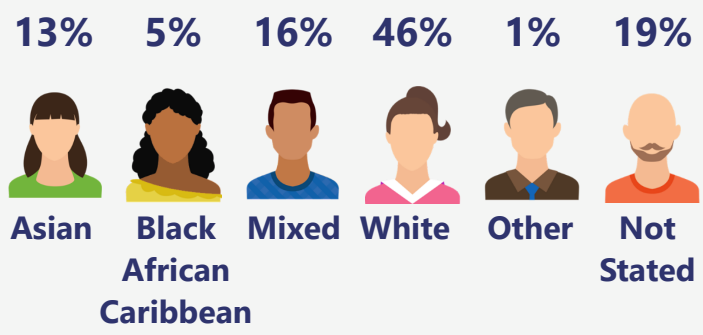
Synthetic data replicating 20,000 ethnically diverse hypertrophic cardiomyopathy patients: this includes clinical and biological phenotyping, co-morbidities, investigations)including ECG, ECHO), any procedures undertaken and outcomes.

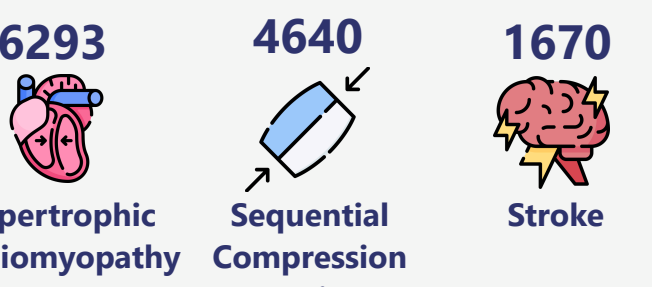
Demographic

The dataset includes:

- Children **32%** (ages 0-17)
- Adults **26%** (ages 18-64)
- Elderly **42%** (ages 65+)

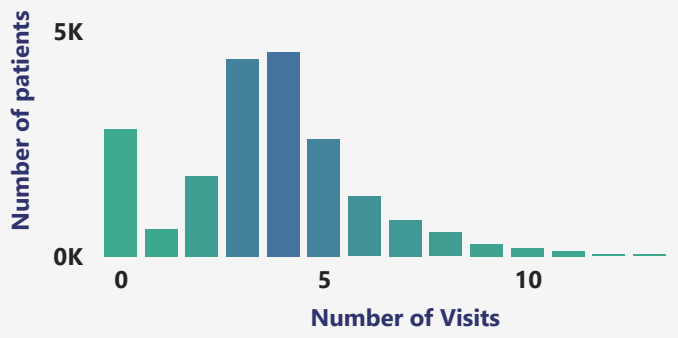
The cohort contains 51% males, 47% females and 2% not recorded.





Diagnosis and conditions

Diagnoses including; pacemaker or an automatic defibrillator fitted, muscle weakness, premature blindness or deafness, myocardial infarction, Type 1 and 2 Diabetes, coronary artery disease, COPD, heart disease, hypercholesterolemia, obstructive sleep apnoea and more.



Hospital visits

Over **72K** hospital admissions recorded including the category of the hospital visit, New York Heart Association Classification and more.

Social history

73% of the patient cohort smoke.
21% of the patients smoke more than 40 packs of cigarettes a year and 53% of patients participate in low level exercise.

Inpatient care

- **72,407 Hospitalised visits;** containing **20,000** synthetic patients
- **1,059** patients died with an average age of 68 years old and a median age of 70 years old
- Genetic Fabry-disease enzyme level test are recorded and has a range of 0% to 33%

Genetics

- **13K** Patients with variants of unknown significance of MYBPC3
- **4K** Patients with pathogenic mutation in MYBPC3 gene
- **1K** Patients with any other variant of MYBPC3 gene

Other genes are available

Phenotype

Patients with presence of

- **15K** Sigmoid septal phenotype
- **11K** Non-obstructive phenotype
- **2K** Neutral septal phenotype
- **2K** Apical variant phenotype
- **1K** Basal phenotype
- **907** Labile phenotype

Other associated data available upon request

Contact us at:
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