



About me

Lead Data Visualisation and
Analytics

Health Industry | Actuarial
Science | Analytics | Data Science



PREDICTING HEART FAILURE



Introduction

Context

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Introduction



**Cardiovascular
diseases **accounts**
for **31%** of deaths
worldwide.**





**4 out of 5
cardiovascular
deaths are due to
heart attack and
strokes.**



Context



Stakeholders

Healthcare providers
Healthcare funders
Policymakers
Patients

Purpose



Early detection



Patient outcomes



Healthcare costs



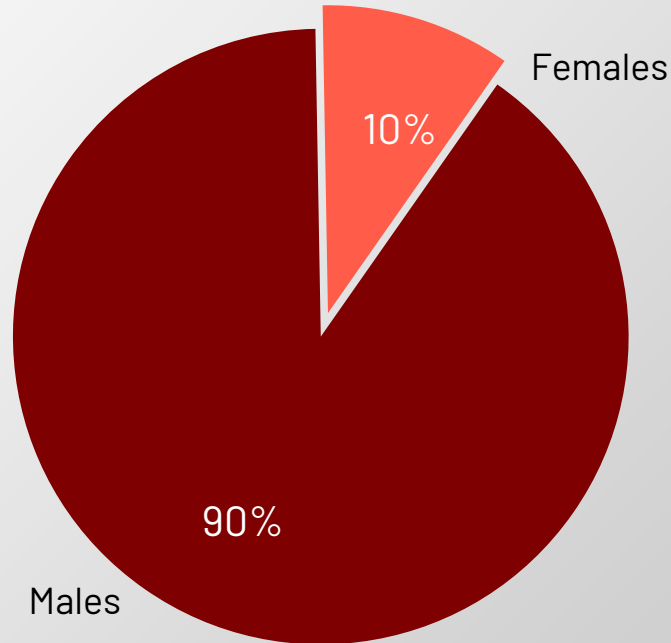
Data

Largest heart disease dataset
available for research.



Insights

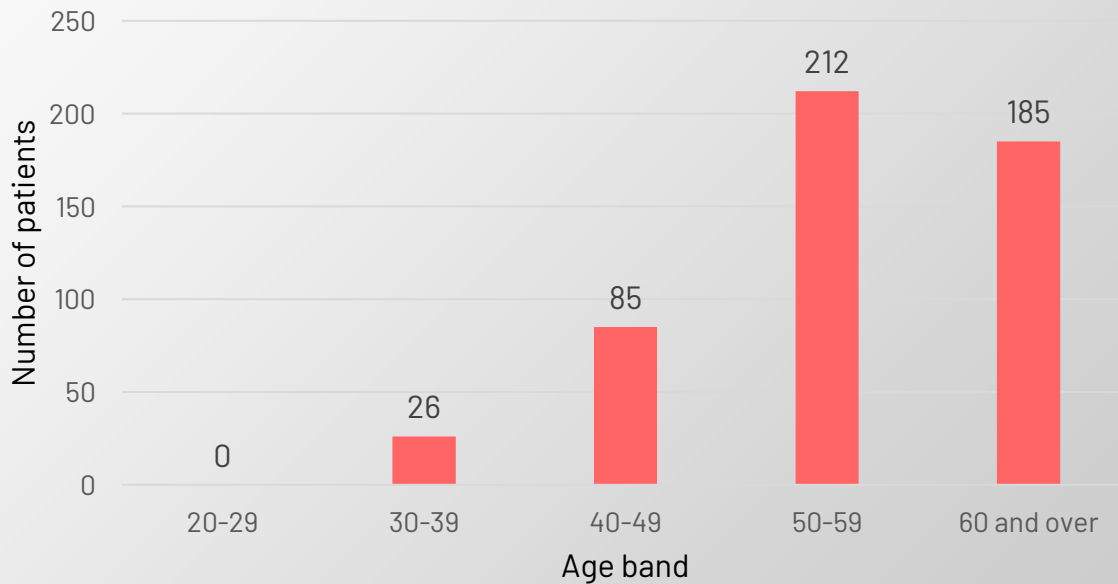
Heart disease patients by gender





Insights

Heart disease patients by age band



Analysis



89% of the time

correctly predicts if a patient has heart disease or not



92%

correct predictions of heart disease

89% of the time

correctly identifies heart disease cases





Recommendations



**Personalized
patient care**



**Reduce
healthcare costs**

**Targeted
interventions**



Thank *you!*



Do you have any questions?
shabana.patel@momentum.co.za

