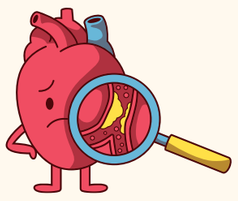
FHCARE Collaborative Database Research Study



What is Familial Hypercholesterolemia (FH)?

- FH is an **inherited genetic condition** that causes very high cholesterol levels.
- If left untreated, the risk of early heart disease increases by **up to 20x** as compared to people without FH.
- About **1 in 140** Singaporeans have FH.
- If you have FH, there is **50% chance** of your children inheriting FH.

The research study aims to:

- To characterise the clinical phenotypes associated with different genetic variants.
- To compare cholesterol levels and cardiovascular risk profiles across variant types.
- To pilot use of -omics to compare across different genetic variant.

Who can take part?

- Age 1-99 years old.
- Any **ONE** of the following:
  - Genetically confirmed FH (LDLR, ApoB, PCSK9 or LDLRAP1).
  - A Dutch Lipid Clinical Network score (DLCN) **≥ 3**.
  - Elevated LDL-c levels **(≥ 4.9 mmol/L ≥ 40 years old; ≥ 3.5 mmol/L for children < 12 years old)**.
  - Clinical FH diagnosis by referring physician.

What will be done in the study?

- Data collection of personal, family and medical history.
- Obtaining leftover blood samples.
- **Optional** blood sample collection (except for pregnant women).
- The study will take approximately **60 minutes.**
- *Participation is **voluntary***.

For more information, please contact:

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