

# DATABASE SPOTLIGHT

## FRAMINGHAM HEART STUDY (FHS)

<https://www.framinghamheartstudy.org/>

## Framingham Heart Study

The Framingham Heart Study (FHS) started in 1948 with 5209 men and women between the ages of 30 and 62 in the town of Framingham, Massachusetts, who had not yet developed overt symptoms of cardiovascular disease or suffered a heart attack or stroke. This longitudinal cohort study followed this group of individuals over time to identify genetic and environmental factors influencing the development of cardiovascular and other diseases.

Since that time, the Study has added an Offspring Cohort in 1971, the Omni Cohort in 1994, a Third Generation Cohort in 2002, a New Offspring Spouse Cohort in 2003, and a Second-Generation Omni Cohort in 2003.

### The Data:

- Biological specimens
- Phenotype data
- Images
- Physiological data
- ECG data
- Molecular genetic data
- Samples
- Vascular functioning data
- Demographic data

### Accessing the Data:

**Free** External Data Repositories:

- ❖ The database of Genotypes and Phenotypes (dbGaP)  
<https://www.ncbi.nlm.nih.gov/gap/>
- ❖ Biologic Specimen and Data Repository Information Coordinating Center (BioLINCC):  
<https://biolincc.nhlbi.nih.gov/home/>

**FHS Repository:** Used if data cannot be found in dbGap and BioLINCC. There is a fee associated with using this data.

FHS Research Application:

<https://www.framinghamheartstudy.org/fhs-for-researchers/research-application/>

## Helpful Resources:

- FHS Overview:

<https://www.youtube.com/watch?v=oRxHNY2A7Lg>

- FHS Participants:

<https://www.youtube.com/watch?v=q4CzMthg-u0>

- Framingham Heart Study PDF:

<https://www.framinghamheartstudy.org/files/2021/07/FHS-Laying-the-Foundation-from-NIH.pdf>

- 2021 Early-Stage Investigators Workshop Videos:

<https://www.framinghamheartstudy.org/fhs-for-researchers/2021-esi-workshop/>

IF YOU ARE INTERESTED IN LEARNING MORE ABOUT THE FRAMINGHAM HEART STUDY, PLEASE CONTACT KENT RIPPLINGER AT:  
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