

Switzerland - Genetic Cascade Screening for Familial Hypercholesterolemia

David Nanchen

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Identification

SURVEY ID NUMBER
10.16909-dataset-63

TITLE
Genetic Cascade Screening for Familial Hypercholesterolemia

SUBTITLE
A Randomized Clinical Trial

ABBREVIATION OR ACRONYM
CATCH Study

COUNTRY

Name	Country code
Switzerland	CHE

ABSTRACT

Question: How can the uptake of genetic cascade screening for familial hypercholesterolemia be improved when healthcare providers cannot directly contact relatives?

Findings: In this randomized, open-label, multicenter implementation trial including 87 families with genetically confirmed familial hypercholesterolemia, 30% of relatives in the intervention arm underwent genetic testing when given access to web-based communication technologies compared with 17% in the usual-care arm, representing a significant difference.

Meaning: Leveraging communication technologies may enhance effectiveness of genetic cascade screening programs for familial hypercholesterolemia.

KIND OF DATA
Clinical data [cli]

UNIT OF ANALYSIS
individuals

Version

VERSION DATE
2025-01-01

Scope

NOTES
Children and adults

Coverage

GEOGRAPHIC COVERAGE
National coverage

Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation
David Nanchen	Unisanté, Center for Primary Care and Public Health & University of Lausanne, Lausanne, Switzerland

FUNDING AGENCY/SPONSOR

Name	Abbreviation
Swiss Heart Foundation	SHF

Sampling

SAMPLING PROCEDURE

The trial protocol was first submitted to the ethics committee on May 15, 2020, with amendments on August 3, 2020, and August 10, 2022. The final version is provided V1.3, dated 10.08.2022. The only significant change between the initial version of the protocol (V1.1, dated 15.05.2020) and the final version (V1.3, dated 10.08.2022) concerned the number of participants to be included in the study. Recruitment began in November 2020 with the aim of enrolling 56 families with genetically confirmed familial hypercholesterolemia (FH), as estimated in the initial sample size calculation. In August 2022, due to lower-than-expected relative participation in the CATCH study, we revised the sample size calculation. The new target was 82 families with genetic FH, to ensure that a sufficient number of relatives would be included to detect differences in participation rates between study groups.

Data collection

DATES OF DATA COLLECTION

Start	End
2020/11/01	2023/10/31

DATA COLLECTION MODE

Face-to-face [f2f]

Access policy

ACCESS CONDITIONS

This dataset is submitted to the Federal Act on Research involving Human Beings (HRA). Therefore, an ethical approval will be required to use this dataset.

The Data transfer agreement must be signed before releasing the dataset

ACCESS AUTHORITY

Name	Affiliation	Email	URL
Documentation and data unit (UDD)	Unisanté, University Center for Primary Care and Public Health, Lausanne, Switzerland	udd.data@unisante.ch	Link

LOCATION OF DATA COLLECTION

Unisanté Data repository

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