

# Intergene - Living habits and health

**SND-ID:** snd0014-1.

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## Associated documentation

Enkät livsstilsfrågor.pdf (249.44 KB)

Enkät psykosociala frågor.pdf (86.24 KB)

## Creator/Principal investigator(s)

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## Research principal

[University of Gothenburg](#) - Department of Public Health and Community Medicine

## Description

INTERGENE is a research program at the Sahlgrenska Academy, University of Gothenburg. The study is a collaboration between Department of community medicine and public health and Department of acute and cardiovascular medicine, Institution of Medicine. The background is that in spite of increasing insight in risk factors predisposing for coronary artery disease and improved treatment of those affected, the incidence of coronary heart disease is still high, even in younger age groups. The total disease risk expresses interaction between the gene frequency in a population, their lifestyle and the environment. The genetic mechanism can be due to either the increase in the classic risk factors, increased vulnerability for these factors and/or other genetic factors affecting the development of coronary heart disease.

Clinical data and data from questionnaires were collected in 2001-2004. The study is both a case-control study and a cross sectional study. The cases are consecutive patients with coronary heart disease, and consists of 623 patients from hospitals in Västra Götaland. The controls are their I-degree relatives, 400 individuals, and a random sample from the same population as the cases come from, 3614 healthy individuals aged 25-75. The participation frequency among the random sampled population cohort is about 43%.

During 2014-2016 there was a re-examination of 1275 participants living in Gothenburg. The participation rate was 61%.

Purpose:

The aim is to study the INTERplay between GENEtical susceptibility, environmental factors including life-style and psychosocial background for the risk of cardiovascular diseases in south west Sweden.

## Data contains personal data

No

**Language**

[Swedish](#)

**Unit of analysis**

[Individual](#)

**Population**

Individuals aged 25-74 years and registered in Västra Götaland in april 2001

**Time Method**

[Cross-section](#)

[Longitudinal: Cohort/Event-based](#)

**Study design**

Case-control study

**Sampling procedure**

The study cohort comprises 3614 randomly sampled individuals aged 25 to 74 years, living in the Västra Götalands region. The sampling was conducted 2001-2004. During the same time period 623 survivors of acute coronary syndrome (ACS) and were examined and included in the study. The upper age limit for the first event was 75. Both genders were included. There was no lower age limit. The study also includes 400 first-degree biological relatives identified via the ACS patients. They were examined according to the same protocol as the cases and the sampled cohort.

**Time period(s) investigated**

2001-04-01 – 2004-12-01

2014 – 2016

**Variables**

600

**Number of individuals/objects**

4634

**Response rate/participation rate**

43%

**Data format / data structure**

[Numeric](#)

**Data collection 1**

- Mode of collection: Physical measurements and tests
- Time period(s) for data collection: 2001 – 2004
- Source of the data: Population group, Biological samples

**Data collection 2**

- Mode of collection: Self-administered questionnaire
- Time period(s) for data collection: 2001 – 2004
- Source of the data: Population group, Biological samples

### **Data collection 3**

- Mode of collection: Self-administered questionnaire
- Time period(s) for data collection: 2014 – 2016
- Source of the data: Population group, Biological samples

### **Data collection 4**

- Mode of collection: Physical measurements and tests
- Time period(s) for data collection: 2014 – 2016
- Source of the data: Population group, Biological samples

### **Geographic spread**

Geographic location: [Sweden](#)

Geographic description: Västra Götaland

### **Lowest geographic unit**

Region

### **Responsible department/unit**

Department of Public Health and Community Medicine

### **Research area**

[Medical and health sciences](#) (Standard för svensk indelning av forskningsämnen 2011)

[Health](#) (CESSDA Topic Classification)

[General health and well-being](#) (CESSDA Topic Classification)

[Diet and nutrition](#) (CESSDA Topic Classification)

[Specific diseases, disorders and medical conditions](#) (CESSDA Topic Classification)

### **Keywords**

[Physical examination](#), [Blood specimen collection](#), [Body composition](#), [Life style](#), [Electrocardiography](#), [Heart failure](#), [Exercise](#), [Body mass index](#), [Mortality](#), [Myocardial infarction](#), [Myocardial ischemia](#), [Diet](#), [Alcohol drinking](#), [Alcohol-related disorders](#), [Medical history taking](#), [Diet, reducing](#), [Blood glucose](#), [Epidemiology](#), [Case-control studies](#), [Physical fitness](#), [Genotype](#), [Cardiovascular diseases](#), [Health](#), [Hypertension](#), [Insulin](#), [Coffee](#), [Cholesterol](#), [Dietary supplements](#), [Coronary disease](#), [Body height](#), [Body weight](#), [Lipoproteins](#), [Drug utilization](#), [Environmental exposure](#), [Contraceptives, oral](#), [Smoking](#), [Spirometry](#), [Stress, psychological](#), [Triglycerides](#), [Cross-sectional studies](#), [Weight loss](#), [Heredity](#), [Drug abuse](#), [Physical education and training](#), [Swedish diet cohort consortium \(sdcc\)](#), [Sdcc](#), [Swedish cohort consortium \(scc\)](#), [Cohorts.se](#), [Nutrition](#)

### **Publications**

Olin AC, Rosengren A, Thelle DS, Lissner L, Bake B, Toren K. Height, age, and atopy are associated with fraction of exhaled nitric oxide in a large adult general population sample. Chest 2006 Nov;130(5):1319-25.

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### **Accessibility level**

Access to data through an external actor  
Access to data is restricted

### **Contact for questions about the data**

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### **Related research data in SND's catalogue**

[The ADONIX study](#)

### **Is part of collection at SND**

[Swedish Cohort Consortium \(Cohorts.se\)](#)

[Swedish Diet Cohort Consortium \(SDCC\)](#)

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