Intergene - Living habits and health

SND-ID: snd0014-1.

Is part of collection at SND: Swedish Cohort Consortium (Cohorts.se), Swedish Diet Cohort Consortium (SDCC)

Associated documentation
Enkät livsstilsfrågor.pdf (249.44 KB)
Enkät psykosociala frågor.pdf (86.24 KB)

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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 1st-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 GENEthical 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) 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**


The expression of NAD(P)H:Quinone Oxidoreductase 1 is high in human adipose tissue, reduced by weight loss, and correlates with adiposity, insulin sensitivity, and markers of liver dysfunction. J Clin Endocrinol Metab 2007; 92: 2346-2352


Berg C, Torén K, Rosengren A, Thelle DS, Lissner L, Olin A-C. Decreased exhaled nitric oxid (FENO) in obese with asthma symptoms: Data from the population study INTERGENE. Chest. 2010 Dec 23. [Epub ahead of print]


If you have published anything based on these data, please notify us with a reference to your publication(s). If you are responsible for the catalogue entry, you can update the metadata/data description in DORIS.

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

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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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