

The Gothenburg H70 Birth Cohort Studies - H70, kohort 6: 70-year-olds born in 1930

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Alternative title

H70

Creator/Principal investigator(s)

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Research principal

[University of Gothenburg](#) - Institute of Neuroscience and Physiology

Principal's reference number

kohort 1906-1907: Dnr 477 75

kohort 1911-12: Dnr 70 80

kohort 1915-16: Dnr 263-90

kohort 1930: Dnr S227 00, Dnr 377 99, Dnr Ö402 99

Description

H70 is one of the longitudinal population studies from Gothenburg where representative study samples of older adults have been followed over a long period of time (metadata related to the H85, 95+ and Prospective Population Study of Women studies can be found under the Related studies tab). H70 is a population-based study of aging in 70-year-old populations which focuses on both medical and cognitive measures.

The examination procedures at each study have been retained as identical as possible to provide results that can be compared over time. The study comprises a psychiatric interview, physical examination, psychological tests, blood samples with extensive laboratory analysis and a close informant interview. It also includes collecting data related to socioeconomic status, marital status, living conditions, housing situation, education, religion, hobbies and life events. Neurobiological investigations in the form of computed tomography (CT) and magnetic resonance imaging (MRI) of the brain and spinal puncture and analysis of brain-spinal fluid are also carried out. Medical records from all major hospitals, geriatric and psychiatric institutions and outpatient clinics in Gothenburg are evaluated to find cases of psychiatric and somatic diseases. Dementia, depression, psychotic disorders, sleep disorders, anxiety disorders, and post-traumatic stress disorder (PTSD) are diagnosed according to DSM-III-R and DSM-IV. Somatic diseases are classified according to established criteria.

Purpose:

The original aim was:

1. To contribute to the knowledge of normal ageing processes and of normal conditions within the age group
2. To make a survey of the social and medical conditions of the population.
3. To obtain basic data for planning the care of the older adults
4. To offer the subjects a thorough medical examination

At the 2000-01 baseline examination 574 individuals participated (243 men and 331 women), which represents a response rate of 65% in total. Study participants were followed up at age 75 and 79. Surveys have been conducted in 2000, 2005, 2009, 2015-16 and 2018. Re-examinations are planned for 2021.

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Data contains personal data

Yes

Sensitive personal data

Yes

Type of personal data

Psydonymised data related to mental and physical health, as well as socio-demographics and social relationships

Code key exists

Yes

Language

[English](#)

[Swedish](#)

Unit of analysis

[Individual/Patient](#)

Population

The population originally consisted of a representative sample of 70-year-old men and women born in

1901/1902 and living in Gothenburg 1971/1972.

Study design

Observational study

Cohort study

Cohort study: Prospective

Description of study design

H70 started in 1971 with the recruitment of 973 70-year-olds born in 1901-02 and participants have been intermittently followed for up to 30 years. Additional birth cohorts of 70-year-olds as well as 75-year-olds have also been studied and all cohorts have been followed to some extent longitudinally.

Sampling procedure

[Probability: Systematic random](#)

The study participants were mainly drawn as a representative, systematic sample from the population register.

Time period(s) investigated

2000 - Ongoing

Biobank is connected to the study

The study has collected samples/material which are stored in a scientific collection or biobank

Scientific collection or biobank name: Biobanken på Neurokemi Lab, SU/Mölndal, Socialstyrelsens nummer 532, reg-datum 2005-03-17

Type(s) of sample: Blood tests and brain imaging (MRI)

Data format / data structure

[Numeric](#)

Geographic spread

Geographic location: [Sweden](#)

Geographic description: Gothenburg

Responsible department/unit

Institute of Neuroscience and Physiology

Commissioning organisation

University of Gothenburg - University of Gothenburg

Ethics Review

Gothenburg - Ref. kohort 1906-1907: Dnr 477 75 kohort 1911-12: Dnr 70 80 kohort 1915-16: Dnr 263-90 kohort 1930: Dnr S227 00, Dnr 377 99, Dnr Ö402 99

Research area

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

[Geriatrics](#) (Standard för svensk indelning av forskningsämnen 2011)

[Gerontology, specialising in medical and health sciences](#) (Standard för svensk indelning av forskningsämnen 2011)

Keywords

[Care of the elderly](#), [Aged](#), [Ageing](#), [Health](#), [Old age](#), [Housing for the elderly](#), [Human behaviour](#), [Quality of life](#), [Medical care](#), [Ill health](#), [Medicinal drugs](#), [Diseases](#), [Dental health](#), [Smoking](#), [Physical mobility](#), [Sexual behavior](#), [Life events](#), [Symptoms](#), [Cardiovascular diseases](#), [Nutritional and metabolic diseases](#), [Cancer](#), [Bacterial and virus diseases](#), [Public health](#), [Oral health](#), [Mental health](#), [Sexual health](#), [Medical history](#), [Genetic disorders](#), [Haematologic diseases](#), [Skin diseases](#), [Endocrine disorders](#), [Congenital disorders](#), [Musculoskeletal diseases](#), [Eye diseases](#), [Ear diseases](#), [Anthropometric data](#), [Respiratory system](#), [Haematologic system](#), [Cardiovascular system](#), [Immune system](#), [Psychology](#), [Activities of daily living](#), [Accidental falls](#), [Physical examination](#), [Epidemiologic methods](#), [Body constitution](#), [Visual perception](#), [Dementia](#), [Tooth diseases](#), [Hearing](#), [Psychiatry](#), [Geriatric psychiatry](#), [Life style](#), [Geriatrics](#), [Geriatric nursing](#), [Memory](#), [Longitudinal studies](#), [Motor activity](#), [Exercise](#), [Psychological tests](#), [Socioeconomic factors](#), [Sexuality](#), [Survival](#), [Thyroid diseases](#), [Risk factors](#), [Mortality](#), [Neoplasms](#), [Ear diseases](#), [Respiratory system](#), [Public health](#), [Physical fitness](#), [Cardiovascular diseases](#), [Oral health](#), [Mental health](#), [Disease](#), [Social conditions](#), [Social support](#), [Quality of life](#), [Chronic disease](#), [Injuries](#), [Cognition disorders](#), [Sensory impairments](#), [Ageing population](#), [Public health risks](#), [Bereavement](#), [Social care](#), [Height \(physiology\)](#), [Exercise \(physical activity\)](#), [Weight \(physiology\)](#), [Near- national e-infrastructure for aging research](#)

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