

The Gothenburg H70 Birth Cohort Studies - H70, cohort 2: 70-year-olds born in 1906/07

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Alternative title

H70

Creator/Principal investigator(s)

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

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 1976-77 baseline health examination 1036 individuals participated (474 men and 562 women), which represents a response rate of 81% in total. Participants were followed up at 75, 79, and 95 years of age. The study surveys have been conducted in 1976, 1981, 1985 and 2001.

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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

1976 - 2001

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

Keywords

[Aged](#), [Physical mobility](#), [Sexual behavior](#), [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](#), [Risk factors](#), [Mortality](#), [Ear diseases](#), [Respiratory system](#), [Public health](#), [Cardiovascular diseases](#), [Oral health](#), [Mental health](#), [Near- national e-infrastructure for aging research](#)

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