

The Northern Sweden MONICA Study 1994

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

Creator/Principal investigator(s)

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Description

The Northern Sweden MONICA Study started with the WHO MONICA Study in 1985. The purpose was to monitor trends in mortality and morbidity in cardiovascular disease and relate them to trends in risk factors. Since 1985 21,000 strictly validated stroke events and 18,000 myocardial infarctions have been included in two registers. During the same period, six population based surveys have been taking place, the latest in 2009. The participation rates have been 69-81%. Subjects donated samples to the Northern Sweden Biobank. After 25 years since the start of the study, participants are starting to suffer from stroke, infarctions and diabetes in a rapidly increasing rate. We have successfully matched the event registers with population survey data, thereby creating a cost-effective prospective study design for MI, stroke and diabetes. Data from the three data bases has been used in more than 85 original studies and 14 dissertations since 2007. Increasingly other fields have been explored such as infectious diseases, nutrition and environmental toxins.

Purpose:

To study cardiovascular risk factors in the population and the incidence of myocardial infarction and stroke after strict validation.

A randomised sample of 2500 persons in ages 25-74 were invited to participate in the 1994 study.

Unit of analysis

[Individual](#)

Population

25-74 years old

Time Method

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

Sampling procedure

[Probability: Stratified](#)

Time period(s) investigated

1994 - Ongoing

Number of individuals/objects

1921

Response rate/participation rate

77%

Data format / data structure

[Numeric](#)

Data collection 1

- Time period(s) for data collection: 1994
- Source of the data: Registers/Records/Accounts: Medical/Clinical, Population group, Biological samples, Registers/Records/Accounts

Data collection 2

- Mode of collection: Self-administered questionnaire: paper
- Time period(s) for data collection: 1994
- Source of the data: Registers/Records/Accounts: Medical/Clinical, Population group, Biological samples, Registers/Records/Accounts

Data collection 3

- Mode of collection: Physical measurements and tests
- Time period(s) for data collection: 1994
- Source of the data: Registers/Records/Accounts: Medical/Clinical, Population group, Biological samples, Registers/Records/Accounts

Data collection 4

- Mode of collection: Field observation
- Time period(s) for data collection: 1994
- Source of the data: Registers/Records/Accounts: Medical/Clinical, Population group, Biological samples, Registers/Records/Accounts

Geographic spread

Geographic location: [Sweden](#)

Geographic description: Norrbotten and Västerbotten Counties

Lowest geographic unit

County (NUTS3)

Responsible department/unit

Department of Public Health and Clinical Medicine

Research area

[Social and clinical pharmacy](#) (Standard för svensk indelning av forskningsämnen 2011)

[Endocrinology and diabetes](#) (Standard för svensk indelning av forskningsämnen 2011)

[Cardiac and cardiovascular systems](#) (Standard för svensk indelning av forskningsämnen 2011)

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

Keywords

[Epidemiologic studies](#), [Cohort studies](#), [Socioeconomic factors](#), [Risk factors](#), [Myocardial infarction](#), [Stroke](#), [Diabetes](#), [Emotional support](#), [Swedish cohort consortium \(scc\)](#), [Swedish diet cohort consortium \(sdcc\)](#), [Sdcc](#), [Cohorts.se](#)

Publications

Eliasson M, Jansson JH, Lundblad D, Näslund U. The disparity between long-term survival in patients with and without diabetes following a first myocardial infarction did not change between 1989 and 2006: an analysis of 6,776 patients in the Northern Sweden MONICA Study. *Diabetologia*. 2011 Oct;54(10):2538-43. Epub 2011 Jul 21.

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Alssema M, Vistisen D, Heymans MW, Nijpels G, Glumer C, Zimmet PZ, Shaw JE, Eliasson M, Stehouwer CD, Tabak AG, Colagiuri S, Borch-Johnsen K, Dekker JM. The Evaluation of Screening and Early Detection Strategies for Type 2 Diabetes and Impaired Glucose Tolerance (DETECT-2) update of the Finnish diabetes risk score for prediction of incident type 2 diabetes. *Diabetologia*. 2010 Dec 12.

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Karvanen J, Silander K, Kee F, Tiret L, Salomaa V, Kuulasmaa K, Wiklund PG, Virtamo J, Saarela O, Perret C, Perola M, Peltonen L, Cambien F, Erdmann J, Samani NJ, Schunkert H, Evans A. The impact of newly identified loci on coronary heart disease, stroke and total mortality in the MORGAM prospective cohorts. *Genet Epidemiol*. 2009 Apr;33(3):237-46.

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Lilja M, Eliasson M, Stegmayr B, Olsson T, Soderberg S. Trends in obesity and its distribution: data from the Northern Sweden MONICA Survey, 1986-2004. Obesity (Silver Spring). 2008 May;16(5):1120-8.

Isaksson RM, Holmgren L, Lundblad D, Brulin C, Eliasson M. Time trends in symptoms and prehospital delay time in women vs. men with myocardial infarction over a 15-year period. The Northern Sweden MONICA Study. Eur J Cardiovasc Nurs. 2008 Jun;7(2):152-8.

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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 MONICA survey in Gothenburg](#)

[The MONICA survey in Gothenburg 1990](#)

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[The Northern Sweden MONICA Study 2009](#)

[The Northern Sweden MONICA Study: Myocardial Infarction Registry](#)

[The Northern Sweden MONICA Study: Stroke Registry](#)

[Northern Sweden Diet Database \(NSDD\)](#)

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