

Northern Sweden Diet Database (NSDD)

SND-ID: ext0131-1.

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

Associated documentation

151574_variabelfrklaring-vip--allmn-fr-forskaren-valbara-variabler--141022.docx (112.14 KB)

151575_list-of-variables-vip--allmn-fr-forskaren-valbara-variabler--141022.docx (94.8 KB)

NSDD_KostBiomarkörerMikrobiotaMetabolomics.pdf (494.05 KB)

VHU-enkät 2011.pdf (697.14 KB)

Creator/Principal investigator(s)

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Research principal

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Description

NSDD is a database with harmonised data from two population based projects "Västerbotten Intervention Project" och "MONICA in northern Sweden". Information is collected by a validated, semi-quantitative, food frequency questionnaire (FFQ). Data collection is done by identical instrument and in the same manner in the two projects. The FFQ has three main sections: portion size indication for staple foods, intake frequencies, and dietary supplements. Some information on dietary and meal regimens is available. In addition to information on intake frequencies of single food items or food groups, estimated energy and nutrient intake and a selection of dietary indexes are available.

Enheten för biobanksforskning (EBF) handhar databasen, medan Västerbottens läns landsting ansvarar för insamling och förvaring av biobanksmaterial.

The Västerbotten Intervention Project (VIP) och MONICA are population based projects studying life habits in the population and to reduce the incidence of cardio metabolic diseases. Detailed information on the two projects can be found at their respective website. These are reached via <http://www.biobank.umu.se/>

The dataset includes data regarding intakes of food items, nutrients, calculated diet indexes and intake of food supplements. Data are collected through self-reported questionnaire. The dataset grows by approximately 5000 observations per year and the proportion with repeated observations increases.

Clinical samples (plasma, serum and DNA) are not included in NSDD but handled separately, in a biobank (see <http://www.biobank.umu.se/>).

By January 2016, the combined VIP-MONICA diet dataset includes 121,996 unique subjects (equal proportion men and women) with at least one visit and a diet recording. Of these 8.2% are excluded

because of incomplete food intake data, extreme (highest and lowest 1%) food Intake levels (FIL), extreme energy intakes (lowest 1% and >5,000 kcal). Nearly 40% have a second 10-year follow up and 7% a third 10-year follow-up.

Intakes are reported on a fixed 9-level scale: never, a few times/year, 1-3 times/month, 1 time/week, 2-3 times/week, 4-6 times/week, 1 time/day, 2-3 times/day, ≥ 4 times/day.

Variables in the dataset: 64-84 food items, 65 nutrients including alcohol, 12 on supplements, 3 diet indexes, In addition, some hundred variables on medical status, socio-economy, tobacco use, physical activity, etc. can be linked from VIP and MONICA.

Data contains personal data

Yes

Code key exists

Yes

Unit of analysis

[Individual](#)

Population

Individuals between 30 and 60 years of age. Equal parts men and women.

Time Method

[Longitudinal: Trend/Repeated cross-section](#)

Study design

Experimental study

Sampling procedure

[Probability](#)

In VIP all subjects turning 40, 50 or 60 years (earlier also 30 year olds) listed in for a specific health clinic are identified and the majority are invited to to a health screening. Approximately 60% of all potential participants attend the screening.

In MONICA a random, sex and age stratified selection is done from updated population registers.

Time period(s) investigated

1985 - Ongoing

Biobank is connected to the study

Yes

Number of individuals/objects

121996

Response rate/participation rate

Data format / data structure

[Numeric](#)

Data collection 1

- Mode of collection: Physical measurements and tests
- Time period(s) for data collection: 1985–ongoing
- Source of the data: Population group

Data collection 2

- Mode of collection: Self-administered questionnaire
- Description of the mode of collection: Data collection is based on self-reported questionnaire. Participants answered the questionnaire at the visit for the medical screening.
- Time period(s) for data collection: 1985–ongoing
- Source of the data: Population group

Geographic spread

Geographic location: [Norrbotten County](#), [Västerbotten County](#)

Responsible department/unit

Department of Biobank Research

Ethics Review

Umeå

Research area

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

[Public health, global health, social medicine and epidemiology](#) (Standard för svensk indelning av forskningsämnen 2011)

[Health](#) (CESSDA Topic Classification)

Keywords

[Data collection](#), [Diet surveys](#), [Life style](#), [Longitudinal studies](#), [Socioeconomic factors](#), [Risk factors](#), [Diet](#), [Diabetes mellitus](#), [Physical fitness](#), [Cardiovascular diseases](#), [Dietary supplements](#), [Energy intake](#), [Food](#), [Glycemic index](#), [Diet and exercise](#), [Food consumption](#), [Nutrient intake](#), [Food groups](#), [Alcohol](#), [Food frequency questionnaire](#), [Ffq](#), [Swedish diet cohort consortium \(sdcc\)](#), [Validated ffq](#)

Publications

Link to publication list:

[Department of Biobank research - Publications](#)

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

Homepage

[The study homepage](#)

Contact for questions about the data

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Related research data in SND's catalogue

[The Northern Sweden MONICA Study 1986](#)

[The Northern Sweden MONICA Study 1990](#)

[The Northern Sweden MONICA Study 1994](#)

[The Northern Sweden MONICA Study 1999](#)

[The Northern Sweden MONICA Study 2004](#)

[The Northern Sweden MONICA Study 2009](#)

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

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

[The Northern Sweden MONICA Study 2014](#)

[NSHDS-VIP](#)

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

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[DDI 2.5](#)

[DDI 3.3](#)

[DCAT-AP-SE 2.0](#)

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