

Resource Summary Report

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Medical Biobank

RRID:SCR_010748

Type: Tool

Proper Citation

Medical Biobank (RRID:SCR_010748)

Resource Information

URL: <http://www.biobanks.se/medicalbiobank.htm>

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Description: A biobank created from a cross-sectional population of a town in Sweden. The Medical Biobank is mainly based on three cohorts: The V??sterbotten intervention cohort, the MONICA-cohort, and the Mammary screening cohort. These sub-cohorts together are named Northern Sweden Health and Disease Study Cohort (North Health). These sub-cohorts together is named Northern Sweden Health and Disease Study Cohort (North Health). Originally, the V??sterbotten Intervention program (VIP) is a long-term project intended for health promotion of the population of V??sterbotten. All individuals 40, 50 and 60 years of age in the population of the county are invited for screening (approx. 254.000 inhabitants). They are asked to complete a questionnaire concerning various lifestyle factors including diet. They are also asked to donate a separate blood sample to the Medical Biobank for freeze storage for later research purposes. The project started in 1985 and the cohort covered in December 2002, 74,000 individuals, of whom 67,000 had donated blood samples. The material is supplemented with population based samples from a local mammary screening (44,000 sampling occasions, 25,700 unique individuals) and from the Northern Sweden MONICA Project (11,500 sampling occasions, 7,500 unique individuals). The total cohort contains at the moment 85.000 unique individuals with 130.000 sampling occasions. The VIP and MONICA cohorts are population based and the mammary screening cohort are nearly population based. Follow-up: * For the VIP-cohort a second sample (and questionnaire) is collected with a 10-year interval of the individuals within the cohort. * Repeated sampling was performed in the MONICA project in 1999 on individuals participating in 1986, 1990, and 1994. * From 1997 repeated screening has started within the mammary screening program with sampling every second year, in the age group 50-69 years within the county. Biobank content: * Life-Style Questionnaire: Every attending subject is asked to answer a questionnaire, which in the VIP and MONICA-projects includes questions about education, occupation/working conditions, daily habits including smoking,

diet, etc and in the mammary screening cohort on reproductive conditions. The dietary questionnaire has been validated twice. The data from the questionnaires, as well as from results from the biobank, are kept in a database for future research purposes. The questionnaires in the VIP and the MONICA project are optically read. * Measurements: Blood Pressure, Anthropometry, Glucose Tolerance Test, Blood Lipids * Blood Samples: The attendants are asked for their willingness to donate a sample of 20-ml whole blood for future analyses. The sample is taken after 4 hours of fasting or in the morning after an over night fasting (most samples) in the VIP and MONICA cohorts. The 20-ml sample is divided into 10 subsamples consisting of 6 plasma, 2 leukocyte (buffy coat) and 2 erythrocyte samples. All material is frozen at -80 degrees C. The organization of the bank is elaborated with specially trained staff and an organization of transport-, storage- and security facilities. For DNA handling a specialized laboratory has been built up. * End-points: Mortality, Cancer events, Cardiovascular events, Other morbidity, Other registry-based follow-up * Registries: At regular intervals the cohort is scanned for incident myocardial infarctions (MI) and stroke utilizing the Northern Sweden MONICA registry and for cancer using the regional cancer registry. In the future the same procedure will be applied also on other registries e.g. diabetes, osteoporosis, dementia.

Abbreviations: Medical Biobank

Synonyms: Biobank of Northern Sweden

Resource Type: service resource, storage service resource, biospecimen repository, material storage repository

Keywords: lifestyle, diet, adult, questionnaire

Related Condition: General adult population, (40 50 and 60 years of age), Adult, Middle adult human, Aging

Funding:

Availability: Public: The Medical Biobank has been positioned as a national and international resource for scientific research. All applications must be: Approved by the Board of Experts, Research Ethics Committee and Medical Biobank.

Resource Name: Medical Biobank

Resource ID: SCR_010748

Alternate IDs: nlx_99793

Record Creation Time: 20220129T080300+0000

Record Last Update: 20250411T055442+0000

Ratings and Alerts

No rating or validation information has been found for Medical Biobank.

No alerts have been found for Medical Biobank.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.