

# Women of high risk for breast and ovarian cancer

**SND-ID:** ext0105-1.

**Is part of collection at SND:** [Scania Metadatabase for Epidemiology \(SME\)](#)

## **Creator/Principal investigator(s)**

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## **Research principal**

[Lund University](#) - Faculty of Medicine

## **Description**

Participants in this cohort are women identified from medical records and family records from the Department of Oncology , Lund. The inclusion criteria is that the woman should belong to families with a high risk of developing breast cancer as well as being known carriers of mutations in BRCA1 or BRCA2, or be related in the first or second generation to an individual with breast cancer or individual without breast cancer who are carriers of mutations in the genes BRCA1 or BRCA2. Study participants must be under 40 years old and still be menstruating.

“A family at high-risk for breast cancer” is considered if three women had been diagnosed with breast cancer and at least one of these was below age 50 years at diagnosis, or if two women had been diagnosed with breast cancer and at least one was below age 40 years at diagnosis, or if one woman diagnosed with breast cancer prior to age 30 years.

The collection, which is still ongoing, started in 1996 and consisted of 300 cases in 2010.

The selected women were contacted with a letter with information about the study and thereafter called and asked if they wanted to participate. A letter containing a comprehensive questionnaire was sent out to the women who had chosen to participate. The questions concerned areas such as fertility , breastfeeding, contraceptives, other medications, smoking and dietary issues. Participants were also called in for sampling and body measurements (such as weight, length and different breast dimensions). Blood samples were taken on two occasions during the menstrual cycle : day 5-10 and ~ 18-23 days.

Purpose:

To study risk factors in young women of high risk for breast and ovarian cancer.

Data collection is ongoing. In 2010, the study consisted of 300 cases.

## **Unit of analysis**

[Individual](#)

## **Population**

Women at high risk for breast cancer identified from records at the oncology clinic in Lund.

**Time Method**

[Cross-section](#)

**Sampling procedure**

[Non-probability: Purposive](#)

**Time period(s) investigated**

1993 – Ongoing

**Number of individuals/objects**

300

**Data format / data structure**

[Numeric](#)

**Data collection 1**

- Mode of collection: Self-administered questionnaire
- Time period(s) for data collection: 1996–ongoing
- Source of the data: Population group, Biological samples

**Data collection 2**

- Mode of collection: Physical measurements and tests
- Time period(s) for data collection: 1996–ongoing
- Source of the data: Population group, Biological samples

**Responsible department/unit**

Faculty of Medicine

**Research area**

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

[Cancer and oncology](#) (Standard för svensk indelning av forskningsämnen 2011)

[Health](#) (CESSDA Topic Classification)

**Keywords**

[Contraceptive devices](#), [Body weights and measures](#), [Neoplasms](#), [Medical history taking](#), [Breast neoplasms](#), [Reproduction](#), [Smoking](#), [Heredity](#), [Scania](#), [Epihealth](#), [Epihealth\\_skåne](#), [Genetic studies](#), [Blood sample](#), [Brca1](#), [Brca2](#)

**Publications**

Hietala M, Olsson H, Jernström H. Prolactin levels, breast-feeding and milk production in a cohort of young healthy women from high-risk breast cancer families: implications for breast cancer risk. *Fam Cancer*. 2008;7(3):221-8.

Henningson M, Hietala M, Törngren T, Olsson H, Jernström H. IGF1 htSNPs in relation to IGF-1 levels in young women from high-risk breast cancer families: implications for early-onset breast cancer. *Fam Cancer*. 2011 Jun;10(2):173-85. doi: 10.1007/s10689-010-9404-z.

**Accessibility level**

Access to data through an external actor  
Access to data is restricted

**Contacts for questions about the data**

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**Is part of collection at SND**

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