

Resource Summary Report

Generated by T1D on Aug 1, 2026

SCALE - Scandinavian lymphoma etiology

RRID:SCR_006041

Type: Tool

Proper Citation

SCALE - Scandinavian lymphoma etiology (RRID:SCR_006041)

Resource Information

URL: <http://ki.se/ki/jsp/polopoly.jsp?d=29332&a=23686&l=en>

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented August 22, 2016. The original aim of this study was to increase our understanding of the etiology of malignant lymphomas, especially in view of the increasing trend in incidence. Malignant lymphoma (including non-Hodgkin lymphoma, NHL, Hodgkin lymphoma, HL, and chronic lymphocytic leukemia, CLL) constitute a heterogeneous group of malignancies with regard to histology, molecular characteristics and clinical course. Etiological factors may also vary by lymphoma subtype. The incidence of NHL, the most common lymphoma group, has increased dramatically during the past decades in Sweden and in many other Western countries. The reasons for this increase as well as for the majority of all new cases is not well understood. Well established risk factors for lymphoma overall include hereditary and acquired disorders of strong immune dysfunction such as HIV/AIDS and organ transplantation, but they explain few new cases in the population. Approach: Population-based case-control study in Sweden and Denmark. The study includes in total 3740 patients and 3187 controls in both countries recruited during the period October 1999 to October 2002. Through a rapid case ascertainment system, the cases were identified shortly after diagnosis. The controls were randomly selected from national population registers and frequency-matched to the expected number of cases by sex and age group. Both cases and controls were interviewed by telephone based on a standardized questionnaire to obtain detailed information on potential risk factors for lymphoma such as medical history including infectious diseases, drug use and blood transfusions, socio-economic factors and life-style. Blood samples were also collected and stored as serum, plasma, DNA and live lymphocytes. In addition, written questionnaires about dietary habits or work exposures were sent out in Sweden. Tumor material from the cases was re-examined and uniformly classified according to the REAL classification. Status The data collection ended in 2002 and data analysis has been ongoing since then. We have primarily analyzed a range of environmental factors in relation risk of malignant lymphoma subgroups including sun exposure, body mass index, family history of hematopoietic cancer, allergy, autoimmune disorders and mononucleosis. We have also assessed

specific genetic determinants in a subgroups of patients with follicular lymphoma and controls. Study results have so far been presented in 14 publications in peer-reviewed journals. In addition to new analyses on other environmental factors, we now also work to understand genetic susceptibility and gene-environmental interaction and risk of lymphoma. Also, prognostic studies have been initiated in collaboration with other research groups with regard to in CLL, HL and T-cell lymphoma.

Abbreviations: KI Biobank - SCALE

Synonyms: Scandinavian lymphoma etiology, SCALE (Scandinavian lymphoma etiology) study

Resource Type: biomaterial supply resource, material resource

Keywords: malignant lymphoma, non-hodgkin lymphoma, hodgkin lymphoma, chronic lymphocytic leukemia, etiology, questionnaire, interview, risk factor, medical history, infectious disease, drug use, blood transfusion, socio-economic factor, life-style, environmental factor, sun exposure, body mass index, family history, hematopoietic cancer, allergy, autoimmune disorder, mononucleosis, follicular lymphoma, control, gene, lymphoma, t-cell lymphoma, genetic, tumor, environment

Related Condition: Malignant lymphoma, Normal control, Lymphoma

Funding: Cancerforeningen ;
Swedish Cancer Society ;
Danish Cancer Society ;
Plan Denmark ;
NCI

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: SCALE - Scandinavian lymphoma etiology

Resource ID: SCR_006041

Alternate IDs: nlx_151438

Record Creation Time: 20220129T080233+0000

Record Last Update: 20260725T191236+0000

Ratings and Alerts

No rating or validation information has been found for SCALE - Scandinavian lymphoma etiology.

No alerts have been found for SCALE - Scandinavian lymphoma etiology.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#) .

Toga AW, et al. (2015) Big biomedical data as the key resource for discovery science.
Journal of the American Medical Informatics Association : JAMIA, 22(6), 1126.