

The Nordic Demographic Society



# **NORDIC DEMOGRAPHY**

**Bulletin of  
The Nordic Demographic Society**

**Volume 18**

**Copenhagen 1990**



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**Volume 18**

**Edited by  
Ole Bertelsen**

**Copenhagen 1990**

ISSN 0283-6238  
Copenhagen 1990

## Preface

This volume of Nordic Demography brings as the previous volumes information about the demographic societies in the Nordic countries, the current research projects in the Nordic countries, bibliographies, the demographic trends in the countries and a mailing list. This volume also brings two articles, one by Lisbeth B. Knudsen about legally induced abortions in Denmark and one by Birgitte Liebach, former chairman of the Danish Demographic Society, describing the newly established Greenland Bureau of Statistics, where she is working. Finally this volume brings the announcement of the Tenth Nordic Demographic Symposium, which will take place in Lund in August 1992. The Society wish to thank the Danish National Institute of Social Research for having contributed to the publishing of this volume, and Lillian Eckardt for her patient secretarial help.

Copenhagen, November 1990

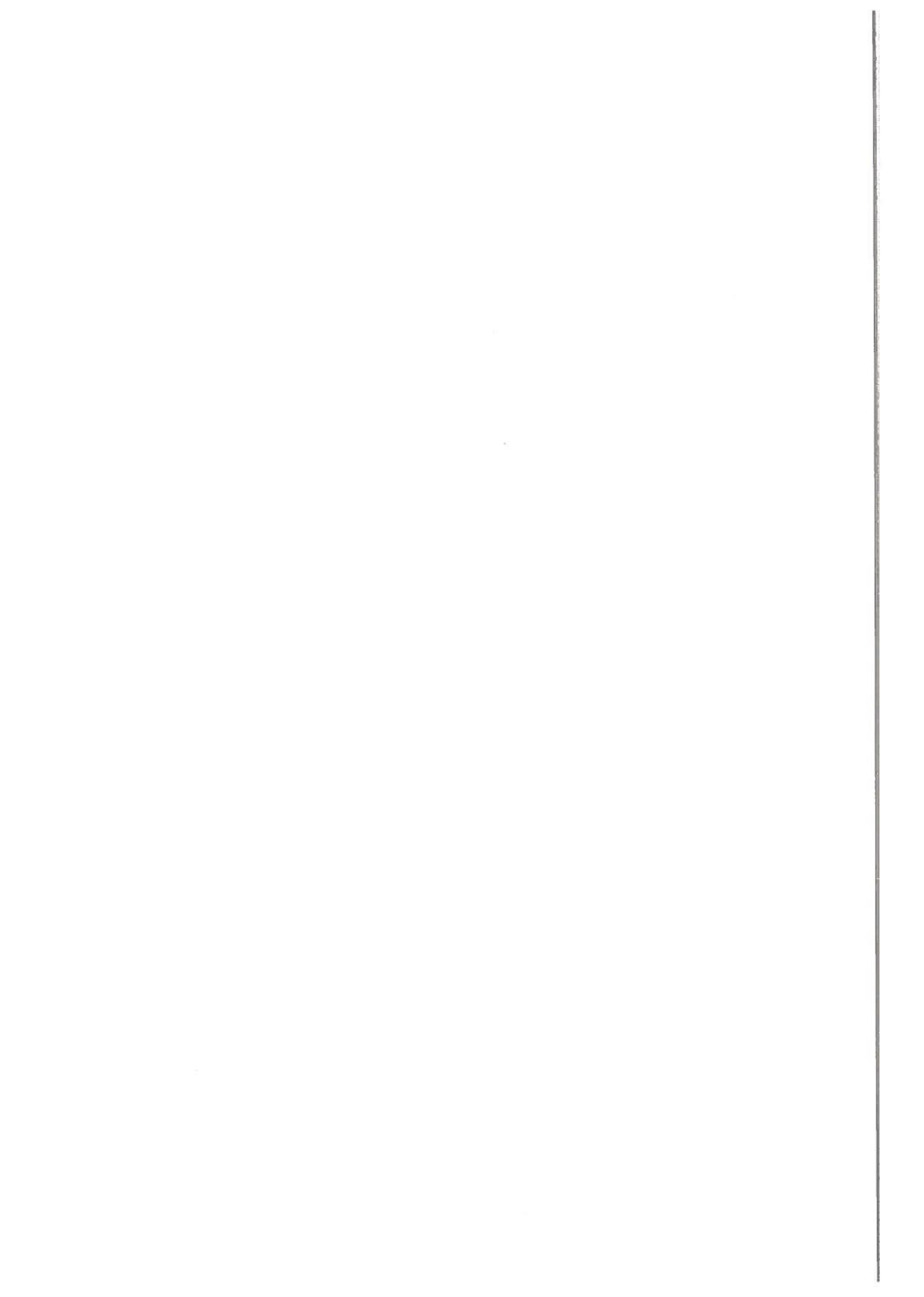
Ole Bertelsen

*Chairman of the  
Danish Demographic Society*



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## 1. The demographic societies in the Nordic countries

### 1.1. THE NORDIC DEMOGRAPHIC SOCIETY

c/o Sociodemographic section  
Central Bureau of Statistics  
P.B. 8131 Dep.  
0033 Oslo 1

The purpose of the society is to promote knowledge about the great importance of the population problems in our time and about the usefulness of demographic methods for different sectors of society. Therefore, the Nordic Demographic Society will stimulate the interest in demographic research and education and encourage the contacts between demographers inside and outside the Nordic countries. The society endeavours to fulfill its purpose through informative work, arranging conferences, publishing reports, and making proposals enhancing the position of demography in the Nordic countries.

The society publishes the series "Nordic Population Studies", which contains papers (in English) presented at the society's symposium held every third year, as well as the present bulletin "Nordic Demography".

#### *Board of Directors 1990*

Tommy Bengtsson, Sweden (chairperson)  
Britta Hoem, Sweden  
Altti Majava, Finland  
Jarl Lindgren, Finland  
Svein Blom, Norway  
Turid Noach, Norway  
Ole Bertelsen, Denmark  
George Leeson, Denmark

## General Assembly, Nordic Demographic Society, April 7th, 1989

The meeting was held at Gausdal Høifjellshotel during the Nordic Demographic Symposium. 41 members attended the meeting.

### **1. Chairman and referee at the meeting.**

Erling Berge was elected as chairman of the meeting and Øystein Kravdal as referee.

### **2. Report on activities June 1986 – April 1989**

No remarks.

### **3. Report on economy June 1986 – April 1989**

Berge informed of the economic situation and regretted that the accounting had been insufficient. He asked the Danish and Finnish societies to deliver an account covering printing expenses for the period and the amount they owe the Nordic society. Berge suggested that the report on economy ought to be printed in the coming edition of Nordic Demography.

### **4. Nordic Population Review**

The Board unanimously suggested a Nordic demographic periodical following the guidelines outlined in Nordic Demography No. 17. Nevertheless, central members of the "proposed" board of editors withdrew their candidature with reference to the insufficient support from the Danish society. The establishment of a Nordic demographic periodical will accordingly be postponed.

### **5. New laws for the Nordic Demographic Society**

With 19 votes against 2 (2 refrained from voting) it was decided that the federal model of organisation (alternative B) be adopted, under the precondition that all members can take part in the discussions (without voting rights) at the constitutional assembly. It was furthermore decided, that the Board of Governors will consist of one member appointed by each country, that these members have no voting rights in the assembly, and the assembly will consist of up to 5 participants from each country. The Board of Governors will be able to take decisions when at least one member from each country is present. Iceland will not be represented in the constitutional assembly or on the Board of Governors before a national society has been established. A committee, Jan Hoem, Victoria Gramstad and George Leeson, will prepare a draft based on the decisions made during this general assembly to be voted upon at a coming general assembly.

### **6. Fee for the Nordic Demographic Society**

A fee 20 SEK per member for the period 1990-1992 was decided upon.

## 7. Election of president and Board of Governors

In accordance with the previous practice of rotation of presidential election, the chairman of the Swedish society was elected as president of the Nordic society.

## 8. Election of accountants

Otto Andersen and Sture Øberg were elected as accountants, Johannes Noordhoek and Cecilia Etzler were elected as substitutes.

### Past presidents:

<i>Period in office</i>		<i>Name</i>	<i>Country</i>
<i>Date</i>	<i>Year</i>		
15. August	1968	Gunnar Fougstedt	Finland
	1969	Gunnar Fougstedt	Finland
9. June	1970	Erland Hofsten	Sweden
	1971	Erland Hofsten	Sweden
1. January	1972	Altti Majava	Finland
18. June	1973	Jan M. Hoem	Norway
	1974	Jan M. Hoem	Norway
1. January	1975	Poul Chr. Mattiessen	Denmark
11. June	1976	Erland Hofsten	Sweden
	1977	Erland Hofsten	Sweden
2. September	1978	Per Sevaldson	Norway
14. June	1979	Tapani Valkonen	Finland
1. July	1980	Sune Åkerman	Sweden
	1981	Sune Åkerman	Sweden
	1982	Sune Åkerman	Sweden
1. July	1983	Tapani Valkonen	Finland
13. June	1984	Altti Majava	Finland
	1985	Altti Majava	Finland
1. January	1986	Birgitte Liebach	Denmark
1. January	1987	Erling Berge	Norway
	1988	Erling Berge	Norway
1. January	1989	Tommy Bengtsson	Sweden
	1990	Tommy Bengtsson	Sweden

### Honorary presidents

<i>Name</i>	<i>Date elected</i>	<i>Born</i>	<i>Died</i>
Gunnar Fougstedt	15. June 1984	31.08.1908	21.12.1986
Erland Hofsten	14. June 1986		

**Editors of Nordic Demography**

<i>Volume</i>	<i>Year</i>	<i>Name</i>	<i>Country</i>
Vol. 1	1968-1969	Jarl Lindgren	Finland
Vol. 2	1970-1971	Erland Hofsten	Sweden
Vol. 3	1972	Erland Hofsten	Sweden
Vol. 4	1973	Jarl Lindgren	Finland
Vol. 5	1974	Tor Halvorsen/Jan M. Hoem	Norway
Vol. 6	1975	Finn Spieker	Denmark
Vol. 7	1976	Finn Spieker	Denmark
Vol. 8	1977	Hans Lundström	Sweden
Vol. 9	1978	Lars Østby	Norway
Vol.10	1979	Jarl Lindgren/Kari Pitkänen	Finland
Vol.11	1980-1981	Peter Springfeldt	Sweden
Vol.12	1982	Peter Springfeldt	Sweden
Vol.13	1983-1984	Erik Stordal/Helge Brunborg	Norway
Vol.14	1985	Ole Bertelsen/Birgitte Liebach	Denmark
Vol.15	1986	Mats Rolén	Sweden
Vol.16	1987	Øystein Kravdal	Norway
Vol.17	1988	Timo Nikander	Finland
Vol.18	1990	Ole Bertelsen	Denmark

**Nordic Demographic Symposia**

<i>Date</i>	<i>Place</i>	<i>Scandinavian Population Studies</i>
14.-16. August 1968	Esbo/Mattby	Vol. 1, Helsinki 1969
8.-10. June 1970	Hässelby Slott	Vol. 2, Stockholm 1970
18.-20. June 1973	Tuusula/Tusby	Vol. 3, Helsinki 1974
10.-12. June 1976	Rungsted	Vol. 4, Copenhagen 1978
13.-16. June 1979	Hurdalsjøen	Vol. 5, Oslo 1979
16.-19. June 1982	Kungälv	Vol. 6, Stockholm 1984
13.-16. June 1984	Paimio/Pemar	Vol. 7, Helsinki 1985
		Supplement to vol. 7, 1986
12.-15. June 1986	Gilleje	Vol. 8, Copenhagen 1988
6.-9. April 1989	Gausdal	Vol. 9, Oslo 1989

## 1.2. THE DANISH DEMOGRAPHIC SOCIETY

Ole Bertelsen  
c/o Socialforskningsinstituttet  
Borgergade 28  
1300 København K

### The annual meeting 1990

At the annual meeting November 1990 the following board of directors was elected:

Ole Bertelsen	Chairman
George Leeson	Treasurer
Gert Schmidt	Secretary
Niels H. Johansen	Deputy member
Hanne Hansen	Accountant
Hanne Spøhr	Accountant
Lisbeth B. Knudsen and Ole Bertelsen	Representatives in the Association for Family Planning

After the meeting Lisbeth B. Knudsen presented her project on establishment of a fertility data base at Danmarks Statistik.

## 1.3. THE FINISH DEMOGRAPHIC SOCIETY

c/o Markku Javanainen  
University of Helsinki, Dep. of Sociology  
Hämeentie 68B, SF-00550 Helsinki

### The annual meeting in 1988

At the annual meeting of the Finnish Demographic Society 28 March 1988 the following board of directors was elected:

Altti Majava	Chairman
Tapani Valkonen	V. chairman
Jarl Lindgren	Cashier
Timo Nikander	Secretary
Seppo Lallukka	Member
Heli Mustonen	Member
Mauri Nieminen	Member
Kari Pitkänen	Member
Olli Salin	Member

After the meeting Olavi Haimi (The Association of Finnish Cities) gave a lecture with the title "The terminology of the Finnish population research".

### Activities during 1988

The traditional two-day seminar was arranged 5-6 November 1987 in Tvärminne. The two topics discussed were fertility and population research methods.

### The annual meeting in 1989

At the annual meeting of the Finnish Demographic Society 28 March 1989 the following board of directors was elected:

Altti Majava	Chairman
Tapani Valkonen	V. chairman
Jarl Lindgren	Cashier
Timo Nikander	Secretary
Seppo Lallukka	Member
Heli Mustonen	Member
Mauri Nieminen	Member
Kari Pitkänen	Member
Olli Salin	Member

After the meeting Kalev Katus (Estonian Interuniversity Population Research Centre) gave a lecture with the title "Demographic trends and demographic research in Estonia).

The Fourth Finnish-Soviet seminar on Demography was held 23-27 October 1989 in Jalta. The general topic of the seminar was "Health and mortality".

The traditional two-day seminar was arranged 16-17 November in Tvärminne. The general topics discussed were census 1990 and the other register based statistics of Central Statistical Office of Finland. Current research projects were also presented.

### The annual meeting in 1990

At the annual meeting of the Finnish Demographic Society 22 March 1990 the following board of directors was elected:

Altti Majava	Chairman
Tapani Valkonen	V. chairman
Timo Lovio	Cashier
Markku Javanainen	Secretary
Helka Hytti	Member
Heli Mustonen	Member
Mauri Nieminen	Member
Kari Pitkänen	Member

After the meeting Kari Pitkänen (University of Helsinki) gave a lecture with the title "The history of the regional differences of mortality in Finland".

#### 1.4. THE NORWEGIAN DEMOGRAPHIC SOCIETY

c/o Sociodemographic Section  
Central Bureau of Statistics  
P.O. Box 8131 Dep.  
N-0033 Oslo 1

At the annual meeting 16 February 1989 the following board of directors was elected:

An-Magritt Jensen	Chairperson
Turid Noack	V. chairperson
Merete Hagan	Treasurer
Svein Blom	Secretary
Jan Erik Kristiansen	Member
Jon Pedersen	Member
Tore Schweder	Member
Arne Rideng	Accountant
Halvard Skiri	Accountant
<i>Electorial committee:</i>	Sølvi Sogner
	Lars Østby

#### Activities 1988

Much of the activities of the society were channelled into preparation for the 9th Nordic Demographic Symposium to be held in Norway in 1989. In addition to that, efforts were made to outline the plans for the new "Nordic Population Review" expected to be launched in 1989, and to develop proposals for new statutes and by-laws for the Nordic Demographic Society (see Nordic Demography vol. 17). A working group set down by the Norwegian Demographic Society, gave a significant contribution to the planning and realization of the IUSSP-conference in Asker, 15-18 June 1988, titled "The status of women, population and development".

#### Activities 1989

After the annual meeting 1989 Lars Østby, Central Bureau of Statistics, presented a lecture about immigration to Norway. 6-9 April 1989 the Norwegian Demographic Society successfully arranged the 9th Nordic Demographic Symposium in Gausdal, Norway. The papers from the symposium have later appeared in "Scandinavian Population Studies" vol. 9. The 20th anniversary of the Nordic Demographic

Society (15th August 1989) was celebrated during the symposium. Preparations have been made for an open meeting in Oslo March 1990 titled "Children and elderly - demographic challenge to the welfare state".

## 1.5. THE SWEDISH DEMOGRAPHIC SOCIETY

c/o Eva Bernhardt  
Demography Unit  
Stockholm University  
106 91 Stockholm

### **The annual meeting in 1989**

The annual meeting was held on May 10, 1989, and the following board of directors was elected:

Tommy Bengtsson	Chairperson
Siv Scheele	V. chairperson
Britta Hoem	Treasurer
Eva Bernhardt	Secretary
Leif Johansson	Member
John Rogers	Member
Lars-Göran Tedebrand	Member
Hans Lundström	Deputy member
Sven-Gunnar Lönn	Deputy member
Jan Quist	Accountant
Ingrid Lyberg	Accountant
<i>Electorial committee:</i>	Mats Rolén
	Eric de Geer
	Maria Pleiborn

### **Activities in 1988 and 1989**

In November 1988 the society arranged a seminar where results from the Men's Survey undertaken by Statistics Sweden in 1985 were reported by Leif Johansson and Tuija Meisaari-Polsa. In connection with the annual meeting in May 1989 Agneta Kruse, Lund, talked about the crisis in the pension system. In September 1989 a seminar was organized where Wolfgang Lutz from IIASA presented his newly appeared book on "Analysis of parity distributions and fertility concentration". Another seminar was held in December 1989 at the Stockholm Historical Data Base. Finally, in connection with the annual meeting in February 1990 Sture Öberg reported about the ongoing work with the production of a Swedish National Atlas (the demographic part).

In addition to these general member activities, the board has published three issues of a newsletter to all members (SDF information). In the fall of 1989 a program committee for the next Nordic demographic symposium, to be held in Sweden in 1992, was appointed. The committee consists of Tommy Bengtsson, Jan Hoem, Rolf Ohlsson, Siv Scheele and Eva Bernhardt.

### **The annual meeting in 1990**

the annual meeting was held on February 20, 1990, and the following board of directors was elected:

Tommy Bengtsson	Chairperson
Siv Scheele	V. chairperson
Britta Hoem	Treasurer
Eva Bernhardt	Secretary
Leif Johansson	Member
John Rogers	Member
Lars-Göran Tedebrand	Member
Hans Lundström	Deputy member
Sven-Gunnar Lönn	Deputy member
Jan Quist	Accountant
Ingrid Lyberg	Accountant
Tuija Meisaari-Polsa	Deputy accountant
<i>Electorial committee:</i>	Mats Rolén
	Eric de Geer
	Maria Pleiborn

### **Introductory course in demography / Stockholm University**

The Demography Unit offers two undergraduate courses called Basic Demography I and II in each fall and spring semester, respectively. Each course gives half the undergraduate credits normally accumulated in a semester in the School of Social Sciences ("enstaka kurs om 10 poäng i långsam studietakt"). Course Principal: Dr. Eva Bernhardt.

### **Graduate degrees in demography**

It has long been possible to take a specialization in demography as a part of the Ph. D. programs of several disciplines at Stockholm University. Since 1988 the University also offers a special Ph. D. program (doktorexamen) in demography. The purpose is to give an education for demographic research in cooperation with the graduate programs of neighbouring disciplines, such as those of economics, economic history, sociology, and statistics. A graduate student in demography must select one such contact discipline and must successfully complete introductory course work for its Ph. D. program. New graduate students in demography are

recommended to take the Master's Degree (licentiatexamen) as a first step in their doctoral program. For more information, contact Professor Jan M. Hoem.

**SDF:s årsmöte**

Vid föreningens årsmöte den 10 maj (protokoll bifogas) valdes en ny styrelse med delvis ny sammansättning. Tommy Bengtsson och Siv Scheele fortsätter som ordförande resp vice ordförande. Till ny sekreterare valdes undertecknad och Britta Hoem blev ny kassör. Därutöver är Leif Johansson, SCB, John Rogers, Uppsala universitet, och Lars-Göran Tedebrand, Umeå universitet, ordinarie styrelseledamöter, och Hans Lundström, SCB, och Sven-Gunnar Lönn, Kommundata, är suppleanter. Vid årsmötet antogs även nya stadgar för föreningen (bifoges).

Som framgår av årsmötesprotokollet är det nu dags att börja fundera på nästa nordiska demografiska symposium, som ska äga rum i Sverige under sommaren 1992. Styrelsen hoppas kunna fastställa tid och plats under hösten och en programkommitté kommer inom kort att börja arbeta. Har du synpunkter och önskemål angående symposiet, hör gärna av dig till Tommy Bengtsson eller Eva Bernhardt!

## 2. Current research projects

### 2.1. DENMARK

Poul Christian Matthiessen  
Københavns Universitet  
Statistisk Institut  
Studivstræde 6  
1455 København K

1. *The Demographic Transition*
2. *Demographic Gerontology*
3. *Economic and social implications of present population trends in industrialized countries*

George Leeson  
Tusbyvej 4  
2650 Hvidovre

1. *The Elderly and the Media*
2. *Evaluation of Activity Centre for Elderly*
3. *Flexible Retirement - Barriers*

### Family Life and Working Life

Ole Bertelsen  
Bjarne Hjorth  
Mogens Nygaard Christoffersen  
Socialforskningsinstituttet  
Borgergade 28  
1300 København K

Survey with 3.000 families interviewed in 1989. The project deals with subjects such as family formation, family size, actual and wanted, day care, working life, leisure time and the father-role. The interviews are being analysed and reports will be published in 1991.

### Abortion or Birth

Ole Bertelsen

The project focuses on the background for the discussion for choosing induced abortion as well as working condition, family situation and contraception among women who give birth and have an induced abortion. Interviewing will take place in 1991 with 1.000 women giving birth and 1.000 women having induced abortion.

## 2.2. FINLAND

### **Kenya Maternal and Child Health/Family Planning Project**

Juha Uitto, Ph.D.  
Huopalahdentie 11 B 31  
SF-00330 Helsinki, Finland  
tel. 358-0-486 984 (home)  
358-0-452 2844 (office)

Assignment from:

FINNIDA  
Ms. Anna Liedes  
Mannerheimintie 15 C  
SF-00260 Helsinki, Finland  
tel. 358-0-1341 6362

A new two-year project to be financed by the Finnish International Development Agency (FINNIDA). The broad objective would be to strengthen the maternal and child health and family planning services in Kenya, with special emphasis on family planning. The main components in the project would include: (i) training; (ii) information, education and communication; (iii) provision of mobile clinics; and, (iv) provision of contraceptive commodities. I am hired as a consultant to participate in the preparation of the project and the project document.

### **Study on World Rural Poverty**

Assignment from:

IFAD  
Mr Mohiuddin Alamgir  
Via del Serafico 107  
I-00142 Rome, Italy  
tel. 39-6-545 91

The International Fund for Agricultural Development (IFAD) is conducting a study on rural poverty in the developing countries. I will prepare a working paper for the study examining the relationship of population and poverty, to cover, i.a., demographic trends and indicators world wide and regionally, the effect of population growth on natural resources and environmental degradation, and rural poverty, family labour and fertility linkages.

**Labour and Population in Colonial Tanzania**

Project leader and the researcher  
Juhani Koponen  
University of Helsinki  
Institute of Development Studies  
Hämeentie 153 B  
SF-00530 Helsinki

The mechanisms of the population development, especially of the growth of population, are examined in a historical perspective. It is assumed that the ever accelerating growth of population, which started in Tanzania between the world wars, is not entirely due to the decline of mortality but to the increase of fertility as well. The main purpose of the study is to assess the relative influence of the increase of fertility on the population growth and to discover its background mechanisms. The proximate determinants as well as the more general socio-economic changes influencing fertility are considered, with a special attention to the remarkable increase in the labour force caused by the colonial rule.

**Family and Occupation 1989 (the fertility survey of Finland)**

Mauri Nieminen, Timo Nikander and  
Hannu Hämäläinen  
Central Statistical Office of Finland  
P.O.B. 770, SF-00101 Helsinki

Heli Mustonen (University of Helsinki)  
Irma-Leena Notkola (Univ. of Kuopio)  
Fjalar Finnäs (Åbo Akademi)  
Jarl Lindgren (Population Research Inst.)

Complete individual histories of births, marriages, cohabitation, education, and employment has been collected. Several other questions have been also asked. A sample size was 5.000 women born 1938-1967. The data will be ready for analysis in the autumn 1990.

**Maximal Length of Life**

Project leader: Dr. Peter Laslett  
Cambridge Group for the History of  
Population and Social Structure  
27 Trumpington Road  
Cambridge CB2 1QA  
United Kingdom

Other researchers: Väinö Kannisto, Lisboa, Portugal  
A.R. Thatcher, New Malden, Surrey, UK  
James Vaupel, Minneapolis, USA

The project will set up at Cambridge University an international data base on mortality at ages over 85 years in order to study the upper limits of the human life span and the changes that may have taken place in it.

**National Demographic Survey of Morocco**

Project leader: M.A. El Ghazali  
Direction de la Statistique  
B.P. 6234 Rabat-Instituts  
Rabat, Maroc

Consultant: Väinö Kannisto  
Campo Grande 1, 6-D  
1700 Lisboa, Portugal

Field work was completed in the early months of 1989, The results - fertility, mortality and migration - of the first survey year have been completed, those of the second year are being processed.

**Mortality of the Elderly in late 19th and early 20th Century Finland**

Väinö Kannisto  
Campo Grande 1, 6-D  
1700 Lisboa, Portugal

The mortality at ages 65 and over will be described through the second half of the 19th century till the 1930s with special emphasis on its geographic features.

## 2.3. NORWAY

### Migration Analysis and Regional Population Projections

Lasse S. Stambøl  
Knut Ø. Sørensen  
Central Bureau of Statistics  
N-033 Oslo 1

This project is a part of the modelproject DRØM (Demographic Regional Economic Model), which is developed at the unit for Regional Analysis in the Central Bureau of Statistics. The migration submodel in DRØM links migration between counties to regional labour market conditions. One of the aims of the DRØM project is to make population projections for the counties, based on the relationship between migration and the development in the regional labour markets. The DRØM migration submodel has been reestimated during 1988 and 1989 by using time-series data for the years 1972-1986. The labour market data have been constructed by processing figures from different sources of information. Some results from the project were published in 1989. This migration project will soon be completed and the results published.

### Statistics on Families and Children

Project leader: Sissel Vestli  
Division for Population Statistics  
Central Bureau of Statistics  
Postuttak  
N-Kongsvinger  
tel. 066-85293

#### Project description:

The project was started in 1989, and the aim of the project is to improve the existing statistics on families. One part of the project is to reorganize the production system based on data from the Central Population Register, to make it more efficient and flexible. Especially it should be possible to give more statistics from the individual point of view. For children 0-18 years it should e.g. be possible to follow shifting family relations. One aim of the project is also to focus on the problems attached to the formal family definition, trying to develop a broader statistic including cohabiting couples.

**Statistics on Foreigners/immigrants**

Project leader: Kåre Vassenden  
Division for Population Statistics  
Central Bureau of Statistics  
Postuttak  
N-2201 Kongsvinger  
tel. 066-85294

**Project description:**

The aim of the project is to improve the existing statistics on foreigners. One important part of the project is to utilize data from the FREMKON register (FREMKON is an administrative register belonging to the immigrations authorities) in combination with data from the Central Population Register. This will e.g. give information on the basis for immigration. One part of the project is also to develop, analyze and present relevant statistics on foreigners.

**Migration in a Life Cycle Perspective**

Lars Østby and Jannecke Lahn  
Central Bureau of Statistics  
Box 8131 Dep.  
N-0033 Oslo 1.

Aspects and variations in migration flows within the country will be the first subject for this analysis. Any migration event will be classified as return- or successive-migration to be analysed. The migration intensities and the influence of parity are supposed to be relevant to these events. The relation between changes in marital status and migration is another central aspect. Individual migration histories in Norway are to be based on migration events recorded in the Central Population Register for the period of 1967-1988. The migration file will be linked with other life cycles files and with data from the latest censuses.

**Evaluation of Norwegian Regional Population Projections**

Inger Texmon  
Central Bureau of Statistics  
P.B. 8131 Dep.  
N-033 Oslo 1

Nico Keilman  
NIDI  
P.B. 11650  
NL-2502 AR the Hague

In this project results from population projection alternatives, produced during the period 1969-1987, are compared to actual population development. At first we intend to make an analysis that will be mainly descriptive. It will be focused on how the changes in trends in fertility, mortality, external and internal migration contribute to projection errors. A second aim is to analyse the relations between projection errors and the changes which have been implemented into the projection model during period of 20 years.

**Deaths Caused by Accidents. Special analysis of deaths  
from accidents related to home and leisure time**

Finn Gjertsen  
Central Bureau of Statistics  
Box 8131 Dep.  
N-0033 Oslo 1

The project is a co-operation between Central Bureau of Statistics and Ministry of Family and Consumer Affairs. The data will be based on Central Bureau of Statistics' register of causes of death. The project will give data on deaths and mortality for the years 1956-1988; annual average for five-year period by cause, sex and age. The first part of the project analysis changes in accident mortality by causes. Part two divide the data in occupational and non-occupational accidents, and will attach importance to accidents in home and on home premises, and accidents in other and not specified places (leisure time).

**A Micro Simulation Model for Projecting Educational  
Attainment and Labour Force Participation**

Project leader: Leif Andreassen  
Central Bureau of Statistics  
P.O. Box 8131 Dep.  
N-033 Oslo 1  
tel. (02) 41 38 20

Project assistants: Truls Andreassen  
Dennis Fredriksen  
André Hansen  
Yngve Vogt  
*Central Bureau of Statistics*

Towards the end of 1988 we started developing a new projection model for educational attainment and labour force participation. This micro simulation model, which will replace the current projection models, simulates demographic events,

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educational choice, and labour market behaviour for a large model population. Work on a first version of this model, which is to be called MOSART (MOdell for mikrosimulering av Skolegang og ARbeidsTilbud), should be completed by the middle of 1990 and after this we expect to extend the model in different directions. One line of development will be to include non-married cohabitation and household formation in the model (in cooperation with the Unit for Demographic Analysis at the Central Bureau of Statistics), while another will be to incorporate a more sophisticated modelling of labour market behavior, thus making it possible to simulate individual Social Security entitlements.

### **Family and Occupation 1988 (the second fertility survey of Norway)**

Turid Noack, Lars Østby,  
Svein Blom, Øystein Kravdal,  
Inger Texmon and José Gomez de Leon  
Central Bureau of Statistics  
Box 8131 Dep.  
N-0033 Oslo 1

Complete individual histories of births, abortions, marriages, cohabitation, education and employment have been collected. Also questions on characteristics of spouse, time for first sexual intercourse, infertility, contraception (last four weeks and history), attitudes towards children and general attitudes and values. The data were collected autumn 1988/spring 1989 through personal interviews. The sample size was 5.000 women drawn from the cohorts 1945, 1950, 1955, 1960, 1965, 1968 and 2.000 men from the cohorts 1945 and 1960. The nonresponse rate was 20 per cent. The first results from the survey are to be published summer 1990. Analyses of fertility, nuptiality, use of contraception, infertility, attitudes towards children and time for leaving parental home will be conducted.

### **Socio-demographic Changes and Family Policy**

Ellen-Merete Duvold  
Lars Gulbrandsen  
Cathrine Ulstrup Tønnessen  
Institute of Applied Social Research  
Munthesgaten 31  
0260 Oslo 2

#### **Project description:**

Many public measures and arrangements are connected to one homogeneous social group. Belonging to such a group is for an individual or a household a sufficient criteria in order to receive a benefit from a particular measure or arrangement. The groups are usually defined through general family and/or household

definitions. Such groups could for instance be children, youths, families with children, single persons or old persons.

Benefits which are given to such groups are characterized by being automatic and of equal size, quite independent of the recipients possession of other relevant economic and social resources. Today such arrangements have existed for quite some time and they received their fundamental shape some years ago.

However, the distributional effects of such measures will depend on the socio-economic composition of so-called "neutral social groups" such as the abovementioned. Socio-demographic changes within family and household structures might alter the efficiency and accuracy of central welfare state measures.

These measures came into being on the assumption of uniformity and similarity within these groups. The effect of such means will of course depend on whether or not these groups still are homogeneous.

The aim of the project is therefore to try to answer the question of whether such social groups in fact are characterized by an increased internal differentiation. We also want to study the effects of changes in different life phases, together with effects of important changes in the fertility patterns.

The empirical time series which are necessary for this project will be established with help from interview data from 1964 to 1989 from NSD's opinion poll file (Norsk samfunnsvitenskapelig datatjenestes meningsmålingsarkiv) and from register data from Central Bureau of Statistics Women File (Statistisk sentralbyrås kvinnefil).

#### **Sociale forhold for barnevernklienter i ulike kommuner**

Lars B. Kristofersen  
Tor Slettebø  
Norsk institutt for by- og regionforskning  
(NIBR)  
Gaustadalléen 21  
Postboks 44 Blindern  
0313 Oslo 3  
tel. (02) 95 88 00

## National Migration in the Life Course Perspective

Project person: Kjetil Sørli  
Norwegian Institute for urban and regional  
approach

Gaustadalléen 21  
Box 44, Blindern  
0313 Oslo 3  
tel. 47 02 95 88 00

### Abstract:

The data base is the individual movements registered in the period 1967-1987, completed within a municipality or a cohort. During these 20 years we find that a hundred movements in general are done by about sixty persons. The movers of the birth-cohort born in 1952, has on average moved twice during their 15-35 age phase.

Due to each municipality the population is specified into three groups: stayers, in-movers and return-movers; concerned to the situation at an age-stage or due to a specific subperiod length. The out-movers may be counted and divided into a "native group" and a "visitor group". Five transition probabilities may then be estimated, by sex and birth-cohort:

- a native to move out for the first time
- a "stranger" to move further out
- a returner to move out for a second (or higher) time
- an absent native to return
- an earlier visitor to return

The duration patterns of absence and stay intervals, and the regional patterns of the several migration flows, are to be studied in micro and used for comparative analyses.

We identify now certain demographic chains. Especially behaviour changes in the in-flow of the strangers, specified by the birth cohorts, influence the migration structure of the population over time. Great differences of the out-move behaviour between the natives and the strangers may then cause changes in the migration-flow numbers later on. For example, an unexpected decline in the out-move rates of small and rural municipalities in the north of Norway in the early 1980s, fully can be explained by a continuing failure of the immigration in the last 1970s. Thus there were no changes in the movers and stayers rates separately in the early 1980s.

## 2.4. SWEDEN

### **The Geographical Distribution of the Immigrants in the Nordic Countries**

Project leader: Erik De Geer, Ph.D.,  
associate professor  
Centre for Multiethnic Research  
Uppsala Universitet  
S:t Johannesg. 21  
75235 Uppsala  
tel. 018 182364

The aim of the project is to map a great number of immigrant groups on different spatial levels. The degree of diffusion and concentration is also evaluated. Preparatory studies are carried out for the Uppsala University region (6 provinces in the middle part of Sweden) and for the city of Gothenburg (80 national groups).

### **A Minority Group in the Periphery. The migratory patterns of the Finnish speaking in the Torne Valley**

Project leader: Eric De Geer, Ph.D.,  
associate professor  
Centre for Multiethnic Research  
Uppsala Universitet  
S:t Johannesg. 21  
75235 Uppsala  
tel. 018 182364

The population has declined to about the half during the last forty years. The aim of the study is to trace - through mapping the out- (and in-)migration - the out-migrated part of the population. Three time periods are more specially investigated:

- 1930-1934 (calm years before the beginning of the decline)
- 1968-1979 (the top years of the exodus) and
- 1980-1984 (balanced migration years).

**The Ingermanlanders in Sweden**

- Project leader: Eric De Geer, Ph.D.,  
associate professor  
Centre for Multiethnic Research  
Uppsala Universitet  
S:t Johannesg. 21  
75235 Uppsala  
tel. 018 182364
- Participant researcher: Ingrid De Geer, Ph.D,  
associate professor  
Dep. of Musicology  
University of Göteborg  
Viktor Rydbergsgatan 24  
41256 Göteborg  
tel. 018 221257
- Research assistant: Vera Lif, Linguist.  
Dep. of Nordic Languages,  
part Swedish as the  
second Language  
University of Göteborg  
Address home:  
Sonatvägen 11  
67133 Arvika  
tel. 0570 14925

The Ingermanlanders are Finnish-speaking Lutherans, who since about 1617 have lived in the province of Ingermanland in the present day Sovjet Union. In the years 1944–1947 approximately 5000 Ingermanlanders came to Sweden via Finland as political refugees. The purpose of the project is to document the migration history of the Ingermanlanders in Sweden and to investigate, how Swedish cultural policy has influenced their language and cultural traditions.

**Child Survival in Stockholm 1878–1926**

Eva Bernhardt  
Demography Unit  
University of Stockholm  
106 91 Stockholm

tel. 08 16 31 31

This three-year project was started in October 1989. It intends to analyze the relative role of improved sanitation and better housing conditions (less overcrowding) for improved child survival in an industrializing urban environment. Through a detailed local study I expect to have better chances of evaluating the relative importance of the risk factors. The hypothesis that improved sanitation results in declining mortality in food and waterborne infectious diseases can be tested by determining the "sanitary environment" of each individual child. Correspondingly one can test the hypothesis that less crowded living conditions results in decreased mortality in airborne infectious diseases.

This project will thus analyze individual life histories (or segments of such histories), where the exposure of each individual to different types of "environmental risks" will be included as variables in the explanatory model. Such individual life histories are available from the Stockholm Historical Data Base for the period 1878–1926. The Data Base contains information from the population registers of the so-called rotaman system. The determining factors of the mortality decline will be analyzed through intensity regression, which is a kind of multivariate analysis of life tables.

**Non-marital Cohabitation and Fertility**

Jan Trost  
Sociologiska institutionen  
Uppsala universitet  
Box 513  
751 20 Uppsala  
tel. 018 18 11 88

A study for the Council of Europe on the connection between changes in cohabitation and marriage rates and fertility rates in the European countries. Official statistics are used as well as specially collected data from the membership countries.

### **Conceptualizing the Family**

Jan Trost  
Sociologiska institutionen  
Uppsala universitet  
Box 513  
751 20 Uppsala  
tel. 018 18 11 88

Im am working on theoretical as well as empirical ways of approaching the concept of family. What do we as scholars mean by the term? How can we define the various conceptualizations? What do the varieties of concepts among laypersons look like. How is family conceptualized among policy makers and applicers, such as family therapists, family lawyers, teachers, etc. I use a variety of data collected via a variety of quantitative as well as qualitative methods.

### **The Gateways of Death?**

**The role of Swedish ports in the spread and control of epidemic diseases in an international perspective**

Participants:

John Rogers  
Uppsala University  
Department of History  
Family History Group  
S:t Johannesgatan 21  
S-752 35 Uppsala

W. Robert Lee  
(University of Liverpool)  
Gerard Kearns  
(University of Liverpool)  
Marie C. Nelson  
(Uppsala University)

A large international comparative study of urbanization and "the epidemiologic transition" has been initiated under the direction of the Institute for European Population Studies in Liverpool, England. As part of this cooperative effort of English and Swedish scholars the role of Swedish port cities will be investigated regarding the transmission of epidemic diseases among the countries of northern Europe. The function of these cities in protecting and exposing the rest of the country will also be studied. The project will have an international personnel from a number of disciplines, for example, economic history, geography, and social history. Through the analysis of mortality series, reports on morbidity, the official reports, and literary sources, all epidemics (i.e. not just those leading to increased mortality) in Stockholm, Gothenburg, and Karlskrona, Sweden's three largest cities in 1800, will be investigated for the period 1800-1900. An attempt will be made

to answer such questions as: What was the importance of collective actions, such as quarantines and sanitary improvements, as opposed to individual-oriented actions, for example, vaccinations and increased knowledge of hygiene, for the elimination of epidemic diseases? A current controversial question in the international debate is what the major reasons were for the decrease in mortality which began towards the end of the eighteenth century: medical advances, improved nutrition, climate, better sanitary conditions, the disappearance of epidemic diseases, or increased immunity against specific diseases. The result of the investigation will increase our knowledge of an important phase in medical history, as well as in demographic and social history, both within the Swedish and the broader northern European perspective.

### **Coastal Regions in Change 1650–1950.**

#### **A comparative study of the family and household in Nordic fishing communities**

Participants:

John Rogers, Uppsala  
(head of the project)  
Lars-Göran Tedebrand, Umeå  
Anders Norberg, Stockholm  
Beatrice Moring, Helsingfors  
Yrjö Kaukiainen, Helsingfors  
Ståle Dryvik, Bergen  
Hans Chr. Johansen, Odense  
Knud Prange, Copenhagen  
Per Madsen, Copenhagen  
Ole Degn, Viborg  
Jóan Pauli Joensen, Tórshavn  
Peter M. Rasmussen, Tórshavn  
Gisli Agust Gunnlaugsson, Reykjavík  
Loftur Guttormson, Reykjavík

Address:

Family History Group  
S:t Johannesgatan 21  
S-752 35 Uppsala

tel. 018 18 15 56

The comparative study and interdisciplinary nature of research on the family and household in the past has resulted in several sweeping generalizations. For example, a pattern common to Northwest Europe, distinguished by a predominance of nuclear type families and households of relatively small size, has been observed. Inevitable such generalizations come into question as research progresses and new variations emerge. In this context several important questions arise regarding the position of the Nordic countries within the European pattern. Did a "typical" Nordic family or household pattern exist? Could it be considered as part of the

larger Northwest European pattern? Did the relationship between the two change over time? The central aim of this project is to analyze economic, demographic, social and technological developments in selected coastal regions in Finland, Sweden, Norway, Denmark, the Faroe Islands and Iceland to determine if a common pattern existed. Using similar techniques and methods, several case studies of fishing-farming populations will be compared. Although a comparative study of coastal communities involves numerous problems, it offers the only viable choice for the analysis of family and household patterns below the national level. The comparative analysis of how specific families and households were influenced by economic and technological developments in ecologically similar regions will not only fill in one of the missing pages in Nordic social history but also clarify the position of the Nordic countries in a broader European context.

### **The Fight for a Better Life.**

#### **Local health boards and the early development of health and environmental policy in Sweden**

Participants:

John Rogers (head of the project)  
Marie C. Nelson  
Uppsala University  
Department of History  
Family History Group  
S:t Johannesgatan 21  
S-752 35 Uppsala

In 1874 local health boards were created, whose major task was to keep an eye on the factors which could damage the general state of health and to promote measures to improve conditions. Characteristic of the early activities of these boards was a comprehensive view of health care, oriented both towards the individual and the environment. After the establishment of the boards of health mortality decreased at the same time that both individuals and the environment were exposed to the rigors of industrialization and urbanization. The early history of the health boards in Sweden has, strangely enough, never been systematically investigated by modern scholars. Through the study of various series of sources in Stockholm, Gothenburg, and a number of towns and rural communities selected on the basis of size and structure, this project aims to answer a number of questions. In what ways did the boards of health contribute to the decrease in morbidity and mortality? In spite of uniform laws were there regional and structural differences in the effectiveness of these boards and how they carried out policies? If such was the case, was it due to differences in local political, economic, or demographic conditions or other circumstances? In addition to increasing our knowledge on an important phase of both Swedish medical history and demographic history, the results of the investigation will also increase our knowledge of the effectiveness of the decisions and actions of various authorities and thus also

our understanding of the difficulties associated with the treatment of present day health and environmental problems.

### **Population and Economy in Sweden during 350 Years**

Participants:                      Gunnar Fridlitzius  
   Tommy Bengtsson  
   Christer Lundh  
   Rolf Ohlsson  
   Dep. of Economic History  
   Lund University

Previous demographic studies in the project "Mortality, Fertility, and Economic Development" were based on aggregate data covering the period since 1750. The present project is an extension of these efforts. The objective is twofold: (1) to describe and analyze demographic development in Sweden prior to the establishment of the population register, by using individual data from different parts of the country; (2) to improve understanding of developments since 1750 through an analysis of individual data, thereby contributing depth as a complement to the breadth of earlier studies based on aggregate data.

One of the many problems encountered when analyzing pre-1750 social and economic development is the lack of relevant demographic data. Consequently, it is a matter of urgency to reconstruct the main characteristics of Swedish demographic development prior to 1750.

Two major questions are addressed in the concrete analysis of pre-1750 development. To what extent were the secular changes in mortality dependent upon economic changes? To what extent did age at marriage function as a regulating mechanism? Aspects focused upon in the analysis of the period after 1750 are: 1) the extent of those economic circumstances under which family planning prevailed; 2) differences in mortality and fertility between different occupational groups; and 3) the usefulness of the family reconstruction method.

Finally, the resulting time series will make it possible to determine and analyze long population cycles and their importance for social and economic development.

### **Time Series Analysis in Economic Demography**

Participants:                      Tommy Bengtsson  
   Mats Hagnell  
   Rolf Ohlsson  
   Dep. of Economic History  
   Lund University

Methodologically oriented, the objective of this research project is to further develop advanced time series models in economic demography and to apply these primarily on Swedish historical data. The project is linked to and employs material from previous and ongoing projects within the research group. Relationships between population and economy are studied through multivariate transfer function models. In this context, comparisons will be drawn with earlier efforts by applying different models on the same data. A major concern is the development of systems of equations which describe the relationships between demographic and economic variables more satisfactorily than do a number of unrelated equations, and which would furthermore permit feedback.

**Life Events in a Peasant Society in Transition**  
**Causes of population change in Scania, 1660–1860**

Participants: Tommy Bengtsson  
Gunnar Fridlitzius  
Christer Lundh  
Rolf Ohlsson  
Dep. of Economic History  
Lund University

The aim of the project is to analyze mechanisms behind various demographic patterns and changes on the family or household level, from a life cycle perspective, in an agrarian region during pre-industrial time. The period of investigation is 1660–1860, and the region studied consists of nine parishes in Western Scania. The analysis is centered around issues such as marital fertility, for which the extent of family planning and infant mortality constitute important subtopics of analysis. Furthermore, the rate of children leaving the family (as well as migration in general) and shifts between generations are important areas of research in order to improve our understanding of the development of the family and the household (e.g. its variations in size and composition) during the life cycle.

The investigation of the nine parishes, for which Parish Register data on births, marriages, deaths and mobility are linked to specific families by means of an automatic linkage program, is supplemented by a general analysis of a sample of 100 Scanian parishes. For the latter, "backward projections" are constructed for the period prior to 1749 (the first year of general population registration). In the analysis of family data, life event analysis is the prime method. This method has hardly ever been used before on historical data, in spite of its obvious advantages. The demographic data will be supplemented with data on property relations, agricultural production, prices of agricultural products and other data indicating a transformation of the agrarian economy. The complex interplay between population and economy is analyzed.

### **The Welfare Society in Change**

Participants: Rolf Ohlsson  
Anders Nielsson  
Lars Pettersson  
Lars Svensson  
Dep. of Economic History  
Lund University

The objective of the project is twofold: firstly, to study the main characteristics of fertility development in Sweden during 1910–1985 and analyze underlying factors; and secondly to study various aspects of the relationship between change in the educational system and demographic change during the same period, and to compare these with developments in England.

The first study is conducted mainly at the macro level and is firmly rooted in economic theory. The main emphasis will be on a survey of women's situation in the labour market (employment opportunities, wages, etc.) and an analysis of underlying structural and cyclical changes in the economy which determine these conditions.

The second study deals, also at the macro level, with various aspects of the relationship between change in the educational system and demographic change during the period 1910–1985. Among the aspects analyzed are: how changes in the level of education, particularly women's, have influenced fertility during the period; and, how changes in the size of age cohorts have influenced fertility through the effects which cohort size has on the economy (wages, education, etc.) The latter aspect will be compared with developments in England.

### **Age at Marriage in India: A study of Sirsi Taluk**

Participants: Rolf Ohlsson  
Neelambar Hatti  
Dep. of Economic History  
Lund University

Recent research has shown that the so-called theory of demographic transition, which is formulated on the basis of the European Experience during the 1800's, cannot satisfactorily describe and explain demographic development in the Third World. One important reason for this is the fact that patterns of nuptiality in the Third World differ markedly from the patterns which existed in Western Europe during the nineteenth century. In the Third World age at marriage is generally very low and marriage is virtually universal. Thus, an increase in age at marriage is of great potential importance for reducing fertility in developing countries.



The following courses are given every year:

- Population and society (20 weeks)
- Consequences of population change (5 weeks)
- Standard of living and industrialization (5 weeks)
- Education and the labour market in a historical perspective (5 weeks)

In addition, there are special courses in economic demography for graduate students:

- Population and economic change (5 weeks)
- Theories of education and labour market (5 weeks)

### **Immigrant Housing Careers**

Danuta Biterman  
Demography Unit  
Stockholm University  
S-106 91 Stockholm  
tel. 08 16 35 48

This study analyzes the housing careers, defined as changes in tenure status of immigrants, during residency in Stockholm County. The characteristic feature of this work is its longitudinal perspective: it is an attempt to show the process of the changes taking place over time. The analysis covers the 20 year period between 1964 and 1984 and the data comes from the survey of foreign-born residents living in Stockholm County carried out by Office of Regional Planning of the Stockholm County Council in 1984. The analyzed groups are immigrants born in Chile, Finland, Greece, Yugoslavia, Poland and others, and a reference group of Swedish movers to Stockholm County. A part of questionnaire consisted of retrospective questions about housing and residence, family, employment and occupation in Sweden. The data used in the study originate from these life histories.

The housing careers of immigrants are seen as the manifestations of their integration process in a new country, with the integration in Sweden considered in its functional sense and not as a state of mind. The way in which certain immigrant groups differ from Swedes and among themselves regarding their housing careers is analyzed viewing ethnicity and immigrant status as important determinants of human behaviour in different situations.

In this study the attention is focused on the tenure change from renting to cooperative ownership or owner-occupancy, as it is assumed to be related to certain stages of the immigrant integration process in Sweden. The analysis is made by means of hazard regression where the transition between these two tenure statuses is taken as the dependent variable.

The report will presumably be ready in autumn 1990.

**The Impact of Region of Birth on Modern Demographic Behavior**

Maria Pleiborn  
USK  
Box 8320  
10420 Stockholm  
tel. 08 668 0540

This project has two main aims. One is to establish sociologically and demographically relevant regions in Sweden, the other is to investigate how the region of birth influences adult demographic behaviour in Sweden today. I will use factor analysis of sociological, demographic, religious and political data for Swedish communes to establish such regions. The data come from the period between 1935 and 1980. For the second part of the study I will use data from the 1981 Swedish Fertility Survey. It contains life history data for women born in 1936-1960. Using proportional hazard models (intensity regression), I will investigate the impact of region of birth, socioeconomic background, educational level, and some other background variables on women's adult demographic behaviour, for example cohabitation, marriage and childbearing.

### 3. Bibliography

#### 3.1. DENMARK

**Bertelsen, Ole** (1990): Denmark: 20 years below Reproduction Level in Europe. Vol. 18. IPPF, London.

Bertelsen, Ole (1990): De fleste drenge og piger bruger kondom første gang. *Sex og Sundhed* 8. København 1990.

**Johansen, Hans Chr.** (1988): Den danske fiskerbefolkning i perioden fra ca. 1700 til 1914 (Fishermen's households in Denmark 1700-1914). In: *Kustbygd i förändring 1650-1950* by John Rogers, pp 11-40. Uppsala, Sweden.

Johansen, Hans Chr. (1988): Folk og produktion på fynske gårde gennem to århundreder (People and Production on Danish Farms 1700 to 1900). In: *Historie XVII*, 3, pp 351-386. Århus.

Johansen, Hans Chr. (1988): Interconnected Life Cycles on Funen Farms in the 18th and 19th Centuries. In: *Nordisk Statistisk Sekretariat, Tekniske Rapporter* 46. Pp 185-192. Copenhagen.

Johansen, Hans Chr. (1989): Husmænd og befolkningsudvikling 1750-1850 (Cottagers and Population Development 1750-1850). In: *Huse og husmænd i fortid, nutid og fremtid*, pp 41-49. Odense.

**Knudsen, Lisbeth B.** (1988): Fødsler og sociale forhold. Vitalstatistik I:22:1988. Dansk Institut for Klinisk Epidemiologi og Sundhedsstyrelsen.

Knudsen, Lisbeth B. (1988): Fødsler og aborter 1982-1986. *Ugeskrift for Læger* 1988;150:1480-1.

Knudsen, Lisbeth B. (1988): Fødsler i Danmark 1986. *Ugeskrift for Læger* 1988;150:429-31.

Knudsen, Lisbeth B. (1988): Medicinsk fødsels- og misdannelsesstatistik 1986. Vitalstatistik I:23:1988. Sundhedsstyrelsen.

Knudsen, Lisbeth B. (1989): Det gik ikke så galt - abort i tal. Kapitel i: Livet begynder ved befrugtningen - om nødvendigheden af fri abort. Kvindeetisk råd eds. Tiderne Skifter, maj 1989.

Knudsen, Lisbeth B. (1989): Statistik om prævention og aborter 1988. Vitalstatistik I:24:1989. Sundhedsstyrelsen.

Knudsen, Lisbeth B. (1989): Ændres relationen mellem fødsler og aborter i Danmark? Nordisk Sexologi 1989;7:255-60.

Knudsen, Lisbeth B.; Tanska I (1989): Legalt provokerede aborter 1988. Ugeskrift for Læger 1989; 151:-

Knudsen, Lisbeth B.; Tanska I (1988): Legalt provokerede aborter 1987. Ugeskrift for Læger 1988;150:2406-7.

Kristensen, Børlum F. & Knudsen, Lisbeth B. (1989): Spædbørnsdødelighed og perinatal dødelighed 1979-1985 samt årsager til perinatal død 1985-1986. Ugeskrift for Læger 1989; 151:313-4.

Leeson, George (1988): Bladet "Ældre Sagen" - en mini-læserundersøgelse. EGV-Fondens Forskningsrapporter. Oktober 1988.

Leeson, George (1988): Factors supporting the development, organization and implementation of measures for the preparation and retirement. Paper presented at the EEC-conference "Preparation for Retirement in the Countries of the EEC". Frankfurt am Main. October 10th-11th.

Leeson, George (1988): Housing and Services for the Elderly in Denmark - a Private and Public Enterprise. Paper presented at the Build Housing Association Conference. March 1988.

Leeson, George (1988): Housing and Transport. Paper presented at the EuroLinkAge Meeting in Athens. February 21st-24th.

Leeson, George (1988): Nye Tider - Nye Ældre. Befolkningen (med Poul Christian Matthiessen og Hanne Spøhr). EGV- Fonden.

Leeson, George (1988): Perisalo-rapporten - en undersøgelse blandt fremtidens ældre i Lyngby-Taarbæk kommune. EGV-Fondens Forskningsrapporter. December 1988.

Leeson, George (1988): Research and the future, Age in Exile International Conference on Elderly Refugees in Europe, 25th-27th November. The Netherlands.

Leeson, George (1988): Store Tuborghjemmet: En analyse af beboersammensætning og blive-tider. 1976-1986. (Med Jette Deltorp). EGV-Fondens Forskningsrapporter. September.

Leeson, George (1988): Undersøgelse af visiterede klienters optagelse og fremmøde i §74-dagcentre (med Unni Bille-Brahe). EGV-Fondens Forskningsrapporter. Marts 1988.

---

Leeson, George (1989): A picture of the elderly. Paper prepared for Eighth Meeting of the NGO/WHO Collaborative Group on Ageing, Geneva 12th May.

Leeson, George (1989): At blive ældre i et andet hjemland. Senior Forlaget.

Leeson, George (1989): Can we afford the elderly? The 125th ESOMAR Seminar, 15th-17th March. Paris.

Leeson, George (1989): De ældre i EF. SR-Bistands avis "Netværksavisen". November.

Leeson, George (1989): Når bedstemor skal forsørges. Ældre Sagen. Særnummer om økonomi. November.

Leeson, George (1989): Så meget betyder forsørgerbyrden. Et ældrepolitisk debatoplæg, 2. del. Landsforeningen Ældre Sagen.

Leeson, George (1989): The elderly worker. EurolinkAge Seminar, 5th-8th March. Malta.

Leeson, George (1989): The family as carers of the elderly. Paper prepared for the Meeting of the coordination group. European Foundation. May 5th-7th. Dublin. Ireland.

Liebach, Birgitte & Fischerman, Mia (1989): The Living Conditions of Families with Children in the Municipality of Copenhagen. I. A description based on registerdata. *Ugeskrift for Læger* 1989; 151:3144-47. II. Living conditions by social districts. *Ugeskrift for Læger* 1989; 151:3148-51.

Lynge, Elsebeth & Thygesen, Lars (1988): Use of Surveillance Systems for Occupational Cancer: Data from the Danish System. *International Journal of Epidemiology*, vol. 17, no. 3. London.

Matthiessen, Poul Chr. (1988): Befolkningsudviklingen - og dens samfundsmæssige konsekvenser (Population Trends - and its Social Implications). Lademann Læremidler. København.

Matthiessen, Poul Chr. (1988): Danmarks befolkning i historisk perspektiv (The Danish population in historical perspective). In: *Nye tider - nye ældre. Befolkningen* pp 10-23. EGV-Fondens Fremtidsstudie. København.

Matthiessen, Poul Chr. (1988): De demografiske perspektiver i pensionsdebatten (The demographic perspectives in the debate on pensions). *National-Økonomisk Tidsskrift*, Vol. 126, no. 2, pp 124-134. København.

Matthiessen, Poul Chr. (1988): Samfundet, der ældes - fødselsudviklingen og uddannelsessektoren (The Ageing Society - Fertility Trends and the Educational Sector). *Uddannelse 9* pp 495-504. Undervisningsministeriet. København.

Matthiessen, Poul Chr. (1989). Kvindeoverskuddet (The Excess of Females). In: *Gammel Kvinde - Ny Verden* ved Inger Lise Dyrholm (red.), pp 77-88. Dansk Gerontologisk Selskab. Næstved.

Matthiessen, Poul Chr. (1989): Befolkningsudviklingen i 1987 (Population Trends in 1987). *Befolkningens Bevægelser 1987* pp 13-17. Danmarks Statistik. København.

Matthiessen, Poul Chr. (1989): Demografiske Ændringer og Uddannelsesstrukturen (Demographic Changes and the Structure of the Educational System). *Uddannelse 1*, pp 3-4. Undervisningsministeriet. København.

Matthiessen, Poul Chr. (1989): Familiedannelse og reproduktion i de nordiske lande gennem 100 år (100 years of family formation and reproduction in the Nordic countries). In: *Norden Förr och Nu* pp 159-167. 18'e Nordiska Statistiker möter. Nordisk Statistisk Samarbejde 1889-1989. Stockholm.

Matthiessen, Poul Chr. (1989): Fertilitetsudviklingen i Danmark (Fertility Trends in Denmark). *Befolkningens Bevægelser 1987* pp 18-22. Danmarks Statistik. København.

Matthiessen, Poul Chr. (1989): Om befolkning og boliger (On Population and Dwellings). *Samfundsøkonomen 8* pp 11-15. København.

Matthiessen, Poul Chr.; Andersen, Ellen & Ølgaard, Anders (1989): Boligmasse og boligbyggeri i første halvdel af dette århundrede (Aggregate number of Dwellings and House Building in the first half of the present century). *Økonomi og Politik*, pp 6-19. København.

Matthiessen, Poul Chr.; Ølgaard, Andersen & Andersen, Ellen (1988): Boligmarkedet og boligpolitikken - et debatoplæg (The housing market and the housing policy in Denmark). Boligministeriet. København.

Thygesen, Lars (1988): Which questions should be answered by sociodemographic risk research in the future? Nordic Seminar on Empirical Life History Analysis and Panel Studies. Stockholm Nov. 25-27. 1987. Nordisk Statistisk Sekretariat, *Tekniske rapporter 46*. Copenhagen.

Thygesen, Lars (1989): Prospects for Sociodemographic risk research in Denmark. Statistical Journal of the UN Economic Commission for Europe. Vol. 5. Amsterdam.

### 3.2. FINLAND

Kannisto, Väinö (1988): Factores associados as diferenças geograficas da mortalidade infantil em Portugal desde 1950. *Revista do Centro de Estudos Demograficos*, No. 28. Lisboa.

Kannisto, Väinö (1988): Imeväiskuolleisuuden alueellisista eroista (On geographical differentials in infant mortality). *Sociaalilääketieteellinen Aikakauslehti*, 25:108-117. Helsinki.

Kannisto, Väinö (1988): Mortality at Old Age in the Nordic Countries. *Yearbook of Population Research in Finland*, XXVI. Helsinki.

Kannisto, Väinö (1988): On the Survival of Centenarians and the Span of Life. *Population Studies*, vol. 42, 3. London.

Kannisto, Väinö (1989): Mortality of the very old: prospects and implications. Paper given at the International Population Conference: *Ageing of Population in Developed Countries*, 3-7 July.

Koponen, Juhani (1988): War, Famine, and Pestilence in late Precolonial Tanzania. *The international Journal of African Historical Studies*, Vol. 21, No. 4, pp. 637-676.

Koponen, Juhani (1989): Siirtomaavalta ja väestönkasvu - Tanganjikan väestönkehityksen päälinjoja (Colonialism and Population Growth - Outlines of Population Development of Tanganyika). *Historiallinen Aikauskirja*, No. 1, p. 16-35.

Uitto, J.I. (1989): *The Kenyan Conumdrum: A Regional Analysis of Population Growth and Primary Education in Kenya*. Lund University. Press: Lund & Chartwell-Bratt: Kent.

Uitto, J.I. (1989): Population Growth and Primary Education in Kenya: Interlakages and Regional Implications. In: Saara Pyy (ed.): *Strategies and Means of Development*. Discussion Papers No. 9, 108-144. Social Policy and Sociology, University of Joensuu.

Uitto, J.I. (1989): Fertility and Female Education in Kenya: A Regional Interpretation. *Maapallo*, Vol. 10, No. 3: 139-143.

Uitto, J.I. (1989): Väestönkasvu vaikeuttaa koulutusta Keniassa (Population Growth Hampers Educational Development in Kenya). *Helsingin Sanomat*.

### 3.3. NORWAY

Aaberge, Rolf; Kravdal, Øystein; Wennemo, Tom (1989): Unobserved heterogeneity in models of marriage dissolution. Discussion Paper 42. Central Bureau of Statistics. Presented at the IUSSP conference. New Dehli.

Aasbrenn, Kristian (1989): Uttynningsamfunnet. Det demografisk uttynnede - men ikke avfolkede - utkantsamfunn (The thinning-out community: The sparsely populated but not depopulated area). *Tidsskrift for samfunnsforskning*, vol. 30, pp. 509-519.

Andreassen, Leif; Koren, Charlotte; Gomez de Leon and Ljones, Olav (1990): Folketrygdens alderspensjon og befolkningsutviklingen (Pension Systems and Population Growth). In Norwegian. *Økonomiske Analyser* no. 2.

Andreassen, Leif; Koren, Charlotte; Gomez de Leon and Ljones, Olav (1990): Intektsoverføringer mellom aldersgrupper og befolkningsutviklingen (Cohort Transfers of Income and Population Growth). In Norwegian. NOU 1988:21. Reprint series no. 43. Central Bureau of Statistics. Oslo.

Bendvold, Erik; Skjæråsen, Julie; Moe, Narve; Sjøberg, Dag and Kravdal, Øystein (1989): Marital break-up among couples raising families by artificial insemination by donor. *Fertility and Stensility* 51 (6):980-984.

Berge, Erling (1988): Some comments on C Hamnetts's reading of the data on sociotenurial polarisation in South East England. *Environment and Planning A*, Vol. 20, pp. 973-977.

Berge, Erling (1988): The Household: *A Conceptual Discussion*. Notat 88:1, 35 p. Institutt for Sosialforskning. Oslo.

Berge, Erling (1989): On the Study of Households: Some Methodological Considerations on the Use of Household Data. *International Sociology*. Vol. 4, No. 2, pp. 115-130.

Berge, Erling; Kristiansen, Jan Erik and Sevaldson, Per (eds.) (1989): *Scandinavian Population Studies 9*. Proceedings of the Ninth Nordic Demographic Symposium, in Gausdal, Norway, April 1989. The Nordic Demographic Society. Oslo.

Blom, Svein (1989): Betydningen av familie og arbeid for menns og kvinners livskvalitet (The significance of family and work for the quality of life of men and women). *Mannifest*. Forbruker- og administrasjonsdepartementet, Mannsrolleutvalget. Oslo.

---

Blom, Svein and Listhaug, Ola (1988): Familie og livskvalitet (Family and quality of life). *Tidsskrift for samfunnsforskning*. Vol. 29, No. 1, pp. 5-28; in Norwegian, English summary.

Blom, Svein and Noack, Turid (1989b): Fertility surveys: Do they cost more than they give? A preliminary presentation of the Norwegian Family and occupation survey 1988. *Scandinavian Population Studies* 9, pp. 61-81.

Blom, Svein and Noack, Turid (1989a): Rapport fra prøveundersøkelsen for Familie- og yrkesundersøkelsen 1988 (report from pretest for the Family and occupation survey 1988). Interne notater 89/5. In Norwegian only. Statistisk sentralbyrå. Oslo-Kongsvinger.

Brunborg, Helge (1989): A Brief Comparison of Recent Estimates of the total Fertility Rate for Botswana. *Botswana Notes & Records*, vol. 21.

Brunborg, Helge (1989): Kohortfruktbarhetens utvikling i Norge 1945-1988 (The Development of Cohort Fertility in Norway 1945-1988). *Tidsskrift for samfunnsforskning*, vol. 30, pp. 415-430, in Norwegian, English summary.

Brunborg, Helge (1989): Population Trends in Botswana. In Jan Hesselberg (ed.): *Botswana. Report from a seminar*, pp. 21-32. Centre for International Development Studies, University of Oslo. Oslo.

Brunborg, Helge and Vidvei, Tor (1989): Parity-specific Population Projections using Stochastic Micro Simulation. *Scandinavian Population Studies*, vol. 9, pp. 273-291.

Duvold, Ellen-Merete og Gulbrandsen, Lars (1988): Baby-boom in Oslo. I: *Samfunnsspeilet*, nr. 3, p. 15-18.

Duvold, Ellen-Merete og Gulbrandsen, Larsen (1989): Fra stagnasjon til babyboom: nye trekk i Osloregionens befolkningsutvikling (From Decline to Babyboom: New developments in the population of the Oslo region). I: *Norsk Statsvitenskapelig tidsskrift* nr. 1, årgang 5, pp. 49-66.

Duvold, Ellen-Merete og Ulstrup Tønnesen, Cathrine (1989): Fra "uægte børn" til "utsatte ekteskap": eller konkubinatets renaissance? (From "illegitimate Children" to "postponed marriages": or the renaissance of the concubinage? INAS-notat 89:8, 85 sider.

Duvold, Ellen-Merete; Gulbrandsen, Lars og Ulstrup Tønnesen, Cathrine (1989): Småbarnsforeldre i 1980-åras Oslo: barntilsyn, yrkesdeltakelse og baby-boom (Parents of Young Children in Oslo during the 1980s: Childcare, occupational

participation and babyboom). I: *Velferdsstatens barn. En konferanserapport*, ISF-Rapport, nr. 4, pp. 90-130.

Dyrvik, Ståle (1989): Barnebegrensning som innovasjon i Stavanger 1900-1935 (Birth Control as Innovation in Stavanger in 1900-1935). *Tidsskrift for samfunnsforskning*, vol. 30, pp. 431-445, in Norwegian, English summary.

Flakstad, Anne Grethe (1988a): *The interrelationship between Migration and Fertility in two Peripheral Areas in North Norway*. Structural Forms of Household Provision as a basis for an Explanatory Model. Invitert Paper til IUSSP-konferansen om kvinnesituasjon og demografisk endring. Asker. Oslo 15-18. juni.

Flakstad, Anne Grethe (1988b): *Befolkningsnedgangen: Nord-Norge - ny utfordring for regionalteori?* I NordREFO nr. 2.

Flakstad, Anne Grethe (1988c): *47 distriktskvinner*. Forundersøkelse i forbindelse med tiltaksprosjekt rettet spesielt mot kvinner. Konsulentarbeid for Kåfjord kommune, utført sammen med Asbjørg Fyhn (utført hovedsaklig under ulønnet permisjon fra stipend-arbeidet).

Flakstad, Anne Grethe (1988d): *Befolkningsutviklingen - gir den oss større fleksibilitet enn vi tror?* Foredrag i Næringsforum Nord november 1988, trykket i seminarrapport fra Forskningsstiftelsen Forut.

Flakstad, Anne Grethe (1988e): *Befolkningsutviklingen i Nord-Troms, av kommunene Lyngen, Kåfjord og Kvænangen*. Konsulentarbeid, utgitt i skriftserien fra Senter for kommunalforskning, Universitetet i Tromsø.

Flakstad, Anne Grethe (1988f): *Befolkningsutviklingen i Nord-Norge*. To foredrag høsten 1988 om befolkningsutviklingen i Nord-Norge. Utgitt i skriftserien fra Senter for kommunalforskning, Universitetet i Tromsø.

Flakstad, Anne Grethe (1988g): *Er ungdommen virkelig tapt for distriktene?* Kommentar i "Vårt Land" august 1988 (ca. 20 august).

Flakstad, Anne Grethe (1989a): *Folketallsutviklingen - kunnskap for makt eller avmakt?* To artikler i serien "Gløtt fra Universitetet i Tromsø". Trykket i nordnorske aviser februar og mars.

Flakstad, Anne Grethe (1989b): *Befolkningsutviklingen fra et tokjønnets perspektiv, en annerledes historie?* I NordREFO nr. 1, spesialnummeret "Kvinner og regional utveckling" (en litt utvidet versjon av samme artikkel tidligere i "Sociologi i dag").

Flakstad, Anne Grethe (1989c): *Population development and interrelationship between Migration and Fertility in Peripheral Areas in North Norway - Structural*

---

*Forms of Household Provision as a basis for an Explanatory Model* (paperet fra IUSSP-konferansen med små tilføyelser og supplert med data på fylkesnivå). I NordREFO 1989:3 "A European Resource based Periphery in a Knowledge Economy".

Foss, Olaf and Sørli, Kjetil (1989): *A Demographic Explanation of Regional Population Change: a component and life span perspective*. Tidsskrift for samfunnsforskning no. 5-6, pp. 493-507.

Foss, Olaf; Orderud, Geir and Sørli, Kjetil (1988): *The Labour Force Situation along the Coast of Norway*. Focusing upon the recruitment situation in the 1990s (in Norwegian only). NIBR-notat 1988:103.

Gomez de Leon, José and Texmon, Inger: *Empirical Two-way Table Models for Inspecting Age-specific Mortality*. To appear in N. Keilman and H. Crujisen (eds.): *National Population Forecasting in Industrialized Countries*.

Gomez de Leon, José and Texmon, Inger: *Methods for Mortality Projections and Forecasts*. To appear in N. Keilman and H. Crujisen (eds.): *National Population Forecasting in Industrialized Countries*.

Gomez de Leon, José and Potter, Joseph (1989): *Modelling the Inverse Association between Breastfeeding and Contraceptive Use*. *Population Studies*, vol. 43, no. 1, pp. 69-93.

Grimsrud, Gro Marit and Sørli, Kjetil (1989): *Differences within the Age Structures at Regional Level - a comparison between urban and rural areas in Norway* (In Norwegian only). Regionale trender no. 2.

Gulbrandsen, L. (1988): INAS-notat 21. Barnehager og fordelingsproblemer.

Gulbrandsen, L. og Ulstrup Tønnesen, C. (1988): *Oslobarnehagene på 1980-tallet. En analyse av fordeling og etterspørsel*. I: *St. Halvard* no. 2, pp. 32-41, og i: *Oslo barnehagene 150 år*. Selskabet for Oslo Byes vel, pp. 79-87.

Gulbrandsen, L. og Ulstrup Tønnesen, C. (1988): *Barnehageutbyggingens fordelingsmessige virkninger*. I: *Tidsskrift for samfunnsforskning* no. 6, pp. 539-554.

Gulbrandsen, L. og Ulstrup Tønnesen, C. (1989): *Har småbarnsmødres yrkesaktivitet nådd toppen?* I: NAVF. Ukens kronikk, nr. 7.

Gulbrandsen, L. og Ulstrup Tønnesen, C. (1989): *35.000 dagmammaer - ein milliard i omsetning*. Kronikk i: *Dag og Tid* 12. december.

---

Gulbrandsen, L. og Ulstrup Tønnessen, C. (1989): Barnehager og social ulikhet. I: *Helse- og sosialforum* nr. 8/9.

Hansen, Jens Christian (1989): Demography from the Outside. Opening address at the Ninth Nordic Demographic Symposium, April 1989. Gausdal, Norway. *Scandinavian Population Studies*, vol. 9, pp. 13-22.

Hwang, Dag Flater in cooperation with Young-ai Hwang and Martin Malliet: Befolkningspolitikk og virkninger av fruktbarhetsfremmende tiltak (Population policy and the effect of fertility stimulating initiatives). In Norwegian. Rapport nr. 4: *Sosiale og økonomiske konsekvenser av stagnasjon og nedgang i folketallet*, RSF/NAVF.

Jensen, An-Magritt and Moen, Bjørg (1989): Far og mor - søster og bror (Father and Mother - Sister and Brother). *Tidsskrift for samfunnsforskning*, vol. 30, pp. 461-471, in Norwegian, English summary.

Jensen, An-Magritt og Kristofersen, Lars B. (1988): Barn og foreldre. Familieformer i åttiåra. *Samfunnsspeilet* nr. 2, s. 17-20.

Kravdal, Øystein (1988): Data i Statistisk Sentralbyrå som er egnet til demografiske livsløpanalyser (Data in the Central Bureau of Statistics that are suited for demographic life course analysis). Paper written for the Norwegian Research Council for Science and the Humanities.

Kravdal, Øystein (1988): Growth and decline of the Norwegian population. A short description of past and future demographic trends. Presented to a Chinese delegation visiting the Central Bureau of Statistics. Oslo.

Kravdal, Øystein (1988): The impact of first birth timing on divorce: New evidence from a longitudinal analysis based on the Central Population Register of Norway. *European Journal of Population* 4;247-269.

Kravdal, Øystein (1989): Sociodemographic differentials in the number of children. A study of women born 1935, 1945 and 1955. Rapport nr. 89/7. Central Bureau of Statistics. Oslo-Kongsvinger.

Kravdal, Øystein (1990): Further reproduction among American and Norwegian twochild mothers: The influence of education, income and labour free participation. Working Paper from Center for Demography and Economy. University of Wisconsin, Madison.

Kravdal, Øystein and Noack, Turid (1989): Like Marriage like the safest Choice? A brief study in Norwegian marriages. *Scandinavian Population Studies* 9:243-258.

Kravdal, Øystein og Noack, Turid (1988): Skilsmisser i Norge 1965-1985. En demografisk analyse (Divorces in Norway 1965-1985. A demographic analysis). In Norwegian. *Rapporter* 88/6. Central Bureau of Statistics.

Kristiansen, Jan Erik and Moen, Bjørn (1988): Enslig, men ikke alene (Single but not alone). In Norwegian. *Samfunnsspeilet*, vol. 2, no. 2, pp. 21-22.

Kristofersen, Lars B. (1989): Barns Helse - med fokus på skolehelsetjenesten. En forprosjektrapport. NIBR-notat nr. 123. Oslo.

Kristofersen, Lars B. (1989): Dødeligheten i Troms og Finnmark. Utviklingstrekk og social struktur (Mortality in Northern Norway - Troms and Finnmark - a National Perspective: historical trends and social structure). Problemnotat til Stortingsmelding om Nord-Troms og Finnmark. NIBR-notat 1989:134. English summary. 76 s. Oslo.

Kristofersen, Lars B. (1989): Recent Trends in Socio-Economic differential Mortality. Trends 1970-1985 and new research possibilities in Norway. Paper presented at the 5th Meeting of the UN/WHO/CICRED Network on Socio-Economic Differential Mortality in Industrialized Societies. Paris. December 6-8, 1989. To be published in Socio-Economic Differential Mortality 7, Committee for International Cooperation in National Research in Demography (CICRED), Paris, 1990.

Kristofersen, Lars B. og Slettebø, Tor (1989): Oppvekstkår i storby. Om barnevernbarn i Oslo og Bergen (Children's Living Conditions in a City: children under protection of the Child Welfare Service in Oslo and Bergen) NIBR-rapport no. 5. English summary. 142 sider. NIBR. Oslo.

Kristofersen, Lars B.; Borgan, Jens-Kristian og Moe Christie, Vigdis (1989): Speilbilder av helsetilstanden i storby. Sosioøkonomiske forskjeller i dødelighet i regioner i Norge og Oslo 1970-1985. Foredrag ved det 18. Nordiska statistikermötet, Esbo, Finland 9-11. august 1989. Blir trykt i bok fra 100-årsjubileet for det nordiske statistiske samarbeidet, utgis av Statistiskcentralen/Statistiska Samfundet i Finland, Helsingfors 1990. Foredraget finnes også som NIBR-notat 1989:131. 33 s. Oslo.

Kristofersen, Lars og Slettebø, Tor (1989): Barnevern i ulike kommuner. Rapportering fra et forprosjekt. NIBR-notat 1989:122. NIBR. Oslo.

Lahn, Jannecke (1989): Endringer i dødsårsaker, ulikheter i dødeligheten (Changes in Death Causes, Mortality Differentials). *Samfunnsspeilet*, vol. 3, no. 2, pp. 26-30, in Norwegian only.

Liestøl, Knut; Rosenberg, Margit and Walløe Lars (1988): *Breast-feeding practice in Norway 1860-1984*. *J biosoc sci*, 20:45-58.

---

Liestøl, Knut; Rosenberg, Margit and Lars Walløe (1988): *Location and post-partum amenorrhoea - a study based on data from three Norwegian cities 1860-1964*. J biosoc sci, 20:423-434.

Moen, Bjørg (1988): When the Unusual becomes the Rule. A brief Survey of certain Socio-demographic Trends in Norway and their Consequences. Contributed paper, Conference on Women's position and demographic change in the course of development. 15-18. June. Asker.

Moen, Bjørg (1989): Husholdningsutviklingen - hva har skjedd siden 1960? (Households in Change - what has happened since 1960?) *Tidsskrift for samfunnsforskning*, vol. 30, pp. 447-460, in Norwegian, English summary.

Noack, Turid (1988): Bruk av prevensjon i Norge. IUDs plass i prevensjon i Norge (Use of Contraception in Norway and the Role of IUD). In Norwegian. Published in a report from a IUD conference, SIFF, April 1988.

Noack, Turid (1989): Den norske familien i endring. Myter og realiteter (The Norwegian Family in Change - myths and facts). *Tidsskrift for samfunnsforskning*, vol 30, pp. 473-491.

Noack, Turid and Texmon, Inger (1989): Familieerfaring, yrkesliv og utdanning for dagens og morgendagens gamle kvinner (Family Experience, Employment and Education for old Women of today and tomorrow). Central Bureau of Statistics/Norwegian institute of gerontology. Oslo.

Outlines for a theoretical and empirical approach. The 9th Nordic Demographic Symposium. Gausdal, April. *Scandinavian Population Studies* no. 9.

Rosenberg, Margit (1988): *Birth weights in three Norwegian cities 1860-1984 - Secular trends and influencing factors*. Ann hum biol, 15:275-288.

Rosenberg, Margit (1989): *Breast feeding and infant mortality in Norway 1869 to 1930*. J biosoc sci, 21:335-348.

Saugstad, Letten F. (1989): Human Growth and Maturation, have we passed the Optimal? *Scandinavian Population Studies*, vol. 9, pp. 189-217.

Schweder, Tore (1989): Complex Life History Modelling, some Methodological Issues. *Scandinavian Population Studies*, vol. 9, pp. 369-418.

Stambøl, Lasse S. and Sørensen, Knut Ø. (1989): *Migration Analysis and Regional Population Projections*. Discussion Paper no. 46. Central Bureau of Statistics. Oslo.

---

Stambøl, Lasse S. and Sørensen, Knut Ø. (1988): *Migration and Labourmarket in Northern Norway 1972-1986*. Economic Surveys no. 5. Central Bureau of Statistics. Oslo.

Statistisk Sentralbyrå (1988): *Barnetall i ekteskap (Family Size in Marriage)*. In Norwegian. *Rapporter* 88/21. Central Bureau of Statistics.

Stigum, Hein et al. (1989): Will Human Immunodeficiency Virus spread in the Heterosexual Population in Norway? A model study. *Scandinavian Population Studies*, vol. 9, pp. 295-303.

Sverre, Jan Marcus (1989): Explaining the Trends in Mortality Rates for the Aging Population in Norway - a model with age, period and cohort-effects. *Scandinavian Population Studies*, vol. 9, pp. 173-188.

Sørli, Kjetil (1988): *Does Increased Day Care Service for Children Result in a Decline of Fertility?* (in Norwegian only). *Plan & arbeid* 1/88.

Sørli, Kjetil (1988): *fundamental traits within the Regional Population Development in Norway towards the Year 2030* (in Norwegian only). *Tidsskrift for landbruksøkonomi* no. 2.

Sørli, Kjetil (1988): *Stop the Visitors!* A life course study of the return and the visitor movers within four municipalities in the north of Norway (in Norwegian only). NORAS' regionalforskningskonferanse. Lillehammer. October.

Sørli, Kjetil (1988): *The Birth Number of Norway is Increasing - a demographic explanation of the cause* (in Norwegian only) NIBR-notat 1988:153.

Sørli, Kjetil (1989): *Consequences for the Settlement Pattern of reduced Youth Recruitment into Education and National Labour Force*.

Sørli, Kjetil (1989): *Does an Increase in the Birth Number of Norway Cause a greater Concentration of the Regional Birth Distribution?* (in Norwegian only). *Regionale trender* no. 2.

Sørli, Kjetil (1989): *The Mobility Pattern of the Youth in the 1970s and the 1980s: similarities and differences* (in Norwegian only). *Regionale trender* no. 2.

Sørli, Kjetil and Texmon, Inger (1988): The Increase of the Birth Number in the Cities. *Samfunnsspeilet* no. 1. Central Bureau of Statistics. Norway (in Norwegian only).

Texmon, Inger (1988): *Innvandring og befolkningsutvikling (External Migration and Population Growth)*. In Norwegian. *Samfunnsspeilet*, vol. 2, no. 2, pp. 33-35.

Texmon, Inger (1988): Regionale befolkningsframskrivninger 1987, noen hovedresultater (Regional Population Projections for Norway 1987-2050. Main results). In Norwegian. Unpublished paper. The results are published in Statistisk Ukehefte 50, 1087, and Nye distriktstall 1 and 2.

Texmon, Inger (1989): Population Projections 1987-2050. National and regional figures. *Interne notater* 89/28. Central Bureau of Statistics.

Texmon, Inger and Østby, Lars (1989): Innvandringens betydning for befolkningsutviklingen i Norge (The Impact of Immigration on Population Development in Norway). In Norwegian. *Rapporter*, 89/4. Central Bureau of Statistics.

Tønnessen, C. Ulstrup (1989): INAS-Rapport 1989:4.

Vassenden, Kåre and Østby, Lars (1989): Barnetall og fruktbarhet blant innvandrere til Norge (Number of children and fertility among immigrants to Norway). *Samfunnsspeilet*, vol. 3, no. 2, pp. 26-30, in Norwegian only.

Østby, Lars (1988): Befolkningsutvikling og bosettingsmønster (Population Change and Settlement Pattern). In Norwegian. *Økonomiske analyser* no. 7, pp. 24-40.

Østby, Lars (1988): International Migration to Norway. Report for the continuous reporting system of migration of OECD (SOPEMI). Presented at meeting 9-10. November 1989. To appear as *Report* from Central Bureau of Statistics.

Østby, Lars (1988): utvikling i bosettingsmønsteret fram mot 2010 (Expected Changes in the Settlement Pattern until 2010). In Norwegian. Notat for det Kgl. selskap for Norges Vels representantsskapsmøte, 24.-26. august 1988.

Østby, Lars (1989): Coordinated European Research in Infertility. Workshop Report: infertility, frequency, causes and demand for treatment. Comac-Epid (ed. Jørn Olsen). Sosialmedicinsk Institut, Århus universitet. Århus. Denmark.

Østby, Lars (1989): The Diffusion of Modern Contraception in Norway and its Consequences for the Fertility Pattern. *European Journal of Population*, vol. 5, pp. 27-43.

Østby, Lars (1989): Tjenester rettet personlige forbrukere. Demografiske forutsetninger og virkninger av demografisk utvikling på tjenestetilbudet (Service Industries for Private Consumers - demographic considerations). In report from NSGF seminar "Søkelys på det tjenesteytende samfunn", 6-7. januar 1989. *Rapport fra NØI*, no. 120 (red. Tor Selstad og Peter Sjøholt). Næringsøkonomiske institutt, institutt for geografi, NNH. Bergen.

Østby, Lars (1990): Fruktbarheten i Norden. Lav, men økende? (Fertility of Norden. Low, but increasing?) *Samfunnsspeilet*, vol. 4, no. 1, pp. 9-12, in Norwegian only.

Østby, Lars (1990): Migration in a Life Cycle Perspective. International Migration Seminar. Gävle 30-31. January 1989. *Proceedings* (ed. Lars-Erik Borgegård). Statens Institut för Byggnadsforskning. Gävle. Sweden.

### 3.4. SWEDEN

Bernhardt, Eva (1989a): Fertility and Employment. Stockholm Research Reports in Demography No. 55.

Bernhardt, Eva (1989b): Social background, education and childbearing before 30: The experience of the Stockholm Metropolitan Birth Cohort. Research Report No. 28 from Project Metropolitan. Department of Sociology. Stockholm University.

Bjerén, Gunilla (1988): Kvinnor i Värmlands glesbygd (Women in the Peripheral Areas of Värmland). In Swedish. Pp. 111-119 in Ulla Herlitz (ed.) *Nordisk seminarium för kvinnor om lokal utveckling*. Copenhagen: Nordisk Ministerråd.

Bjerén, Gunilla (1989): *Kvinnor i Värmlands glesbygd. Försörjningsstrategier för skogsbygdens kvinnfolk*. Nr. 13 i Glesbygdsdelegationens skriftserie.

Borgan, Ørnulf and Hoem, Jan M. (1988): Demographic reproduction rates and the estimation of an expected total count per person in an open population. *Journal of the American Statistical Association* 83, pp. 886-891.

De Geer, Eric (1988a): Slaviska grupper i dagens Sverige. *Multiethnic Studies in Uppsala, Essays Presented in Honour of Sven Gustavsson*, June 1, 1988, eds. I. Svanberg and M. Tydén. Pp. 17-29. Uppsala Multiethnic Papers 13. Centre for Multiethnic Research, Uppsala University.

De Geer, Eric (1988b): Regional Differences in the Settlement Patterns of some Groups of Foreign Citizens. With examples on national, regional and local levels. *VIIIth Nordic Demographic Symposium*, Gilleleje, June 1986, eds. Ole Bertelsen and Birgitte Liebart. Pp. 281-298. Nordic Demographic Society, Copenhagen.

De Geer, Eric (1988c): Inte bara Sjöbo. Flyktingmottagandet ur regional och politisk synsvinkel (Nyt only Sjöbo. The Refugee Reception from Regional and Political Viewpoints). *Multiethnica* 2, maj 1988. Pp. 6-8. Uppsala.

De Geer, Eric (1988d): Marika Tandefelt, Mellan två språk. En fallstudie om språkbevarande och språkbyte i Finland (Between two Languages. A case study concerning language maintenance and language change in Finland). *Studia Multiethnica Upsaliensia* 3 (Uppsala 1988). Recension. Pp. 17-18. *Multiethnica* 2. maj 1988. Uppsala.

De Geer, Eric (1989a): Göteborgs invandrageografi. De utländska medborgarnas regionala fördelning. Summary in English. The Immigrants of Göteborg. Spatial Diffusion. Uppsala Multiethnic Papers 16. 166 s. Centrum för multi-etnisk forskning. Uppsala.

De Geer, Eric (1989c): Flyktingenskapens långsiktiga konsekvenser - Ingermanlänarna i Sverige (The Consequences of Longterm Refugeness - the Ingermanlanders in Sweden). *Aktuellt från Deifo* 17:5, pp. 6-8.

De Geer, Eric (1989d): Finländare i Sverige. En kartering (Finlanders in Sweden. A Mapping). *Multiethnica* 5, november, p. 15.

De Geer, Eric och Wande, Erling (1989b): Finnar. *Det mångkulturelle Sverige. En handbok om etniska grupper och minoriteter*, red. Ingvar Svanberg och Harald Runblom. Centrum för multi-etnisk forskning. Pp. 94-109. Uppsala universitet.

Hoem, Britta (1988a). Early Phases of Family Formation in Contemporary Sweden. Stockholm Research Reports in Demography No. 47. to appear in *Early Parenthood and the Transition to Adulthood*, ed. by Margaret Rosenheim and Mark Testa. Rutgers University Press.

Hoem, Britta (1988b): I vilken utsträckning har tvåbarnsmödrarna i den svenska fruktsamhetsundersökningen från 1981 fått barnen vid önskad tidpunkt, och vad har det fått för betydelse i tredjebarnsfruktsamheten? (To what extent have two-child respondents in the Swedish fertility survey of 1981 had their children at the time they wanted, and what has it meant for third birth fertility?) In Swedish. Stockholm Research Reports in Demography No. 51.

Hoem, Britta (1988c): Faktorer som påverkar tvåbarnsmödrarnas planer om vidare barnafödande (Factors that Influence the Plans for further Childbearing among Swedish two-child Mothers). In Swedish. Stockholm Research Reports in Demography No. 54.

Hoem, Britta (1989): Sysselsättningen under familjebildningsfasen bland svenska kvinnor födda 1936-1950 (Labour Force Participation during Family Building among Swedish Women born i 1936-1950). In Swedish. Stockholm Research Reports in Demography No. 58.

Hoem, Britta (1990): Alla goda ting är tre. Tredjebarnsfödslar bland svenska kvinnor födda 1936–1950 (All good Things come in threes: Third births to Swedish women born in 1936–1950). Stockholm Research Reports in Demography No. 59.

Hoem, Britta and Hoem, Jan M. (1988): The Swedish Family: Aspects of contemporary developments. *Journal of Family Issues* 9 (3), pp. 397–424.

Hoem, Jan M. (1988): Demografiens rolle i statistikken; statistikerens rolle i demografi (The Role of Demography in Statistics; the role of the statistician in demography). In Norwegian. Pp. 27–29. In *Svenska statistikersamfundets jubileumskonferens i Umeå 1987*, ed. by Gunnar Kulldorff and Hans Stenlund.

Hoem, Jan M. (1989a): Identifiability in Hazard Models with Unobserved Heterogeneity: The compatibility of two apparently contradictory results. *Theoretical Population Biology* 37 (1), pp. 124–128.

Hoem, Jan M. (1989b): The Issue of Weights in Panel Surveys of Individual Behavior. Pp. 539–565 in Daniel Kasprzyk, Greg Duncan, Graham Kalton and M.P. Singh (Eds.), *Panel Surveys*. New York: John Wiley & Sons.

Hoem, Jan M. (1990a): Limitations of a Heterogeneity Technique: Selectivity issues in conjugal union disruption at parity zero in contemporary Sweden. To appear in *Convergent Questions in Genetics and Demography*, ed. by Julian Adams, Albert Hermalin, David Lam, and Peter Smouse. Oxford University Press.

Hoem, Jan M. (1990b): Att gifta sig om utifall att .... Änkepensionen och giftermålen i december 1989. Stockholm Research Reports No. 60.

Korpi, Tomas (1989a): Entry into Employment after first Birth: A reexamination of the transitions to full-time and part-time employment among Swedish mothers. Stockholm Research Reports in Demography No. 53.

Korpi, Tomas (1989b): Women's entry into Employment after first Birth: The effects of cohort/period and labor force experience. Stockholm Research Reports in Demography No. 57.

Lindén, Anna-Lisa (1988): Bostadsmarknad för andrahandsboende. Forskargruppen Boende och bebyggelse. Lund.

Lindén, Anna-Lisa (1989a): Samhälle, befolkning och vårdutnyttjande i en industrikommun. Centrum för samhällsmedicin. Lund.

Lindén, Anna-Lisa (1989b): Bostadsmarknadens ägerstruktur och hushållens boendemönster. Förändring och utveckling 1975–1985. Forskargruppen Boende och bebyggelse. Lund.

Lindén, Anna-Lisa (1989c): Vem bor i bostadsområdet? Bostadsutbud - befolkningsstruktur - förändringsmönster. Forskargruppen Boende och bebyggelse. Lund.

Lindén, Anna-Lisa & Lindberg, Göran (1989): Social segmentation på den svenska bostadsmarknaden. Forskargruppen Boende och bebyggelse. Lund.

Murphy, Mike (1988): The Progression to the third Birth in Sweden. Presented to the IUSSP Seminar on Event History Analysis in Paris, 14-17 March 1988. Stockholm Research Reports in Demography No. 52.

Nelson, Marie C. (1988a): Patterns of Mortality in Sweden's Northernmost County. Pp. 437-454 in *Society, Health and Population during the Demographic Transition*, eds. Anders Brändström and Lars-Göran Tedebrand. Report no. 4 from the Demographic Data Base, Umeå University. Stockholm.

Nelson, Marie C. (1988b): *Bitter Bread. The Famine in Norrbotten 1867-1868* Studia Historica Upsaliensia. 153. Uppsala.

Rogers, John (1988): Introduction to the session: Change and patterns in rural mortality. Pp. 429-435 in *Society, Health and Population During the Demographic Transition*, eds. Anders Brändström and Lars-Göran Tedebrand. Report no. 4 from the Demographic Data Base, Umeå University. Stockholm.

Rogers, John (1989a): Fiske och fiskare i Sverige 1650-1950. Pp. 57-82 in *Kustbygd i förändring. Familj och hushåll i nordiska fiskesamhällen*, red. John Rogers. Meddelande från familjehistoriska projektet. Historiska institutionen. Uppsala universitet. Nummer 8. Uppsala.

Rogers, John and Gunnlaugsson, Gísli Agúst (1989): Inledning. Pp. 7-10 in *Kustbygd i förändring 1650-1950. Familj och hushåll i nordiska fiskesamhällen*, red. John Rogers. Meddelande från familjehistoriska projektet. Historiska institutionen. Uppsala universitet. Uppsala.

Rogers, John and Nelson, Marie C. (1989): Controlling Infectious Diseases in Ports: The Importance of the Military in Local-Central Relations. Pp. 83-107 in *Urbanisation and the Epidemiologic Transition*, eds. Marie C. Nelson and John Rogers. Meddelande från Familjehistoriska projektet. Historiska institutionen. Uppsala universitet. Nummer 9. Uppsala.

Rogers, John; Kearns, Gerard and Lee, W. Robert (1989): The Interaction of Political and Economic Factors in the Management of Urban Public Health. Pp. 9-81 in *Urbanisation and the Epidemiologic Transition*, eds. Marie C. Nelson and John Rogers. Meddelande från Familjehistoriska projektet. Historiska institutionen. Uppsala universitet. Nummer 9. Uppsala.

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Trost, Jan (1988a): *Sexologisk ordbok* (Sexological dictionary). Uppsala universitets förlag.

Trost, Jan (1988b): Cohabitation and Marriage; Transitional Pattern, Different Lifestyle, or Just Another Legal Form, in Moors, Hein and Schoorl, Jeannette (eds.): *Lifestyles, Contraception and Parenthood*, NIDI CBGS Publications.

Trost, Jan (1988c): Teenage Contraception and Pregnancy, in Shamgar-Handelman, Lea and Rosella Palomba (eds): *Alternative Patterns of Family Life in Modern Societies*, IRP, Rome.

Trost, Jan (1988d): Conceptualising the Family, *International Sociology*, 3.

Trost, Jan (1988e): Beslut om barn (Decision Making and Children) (with Ö. Hultåker), *Familjerapporter*, 11.

Trost, Jan (1989a): Nichteheleliche Lebensgemeinschaften (Non-marital cohabitation), in R. Nave-Hertz & M. Markefka (eds.): *Handbuch der Familien- og Jugendforschung*, Luchterhand.

Trost, Jan (1989b): Familjen i förvandling (The Family in Change), i *Familjen - primärgrupp i motvind*, Rättsfonden. Stockholm.

Trost, Jan (1989c): Male Multiple Orgasms; A Descriptive Study (with M. Dunn), *Arch. of Sexual Behavior*, 18.

Trost, Jan (1989c): Strategiska urval för kvalitativa studier; Vad kunde Per Olav ha gjort? (Strategical Sampling for Qualitative Studies; What Could Per Olav Have Done?), in Irene Levin and Graham Clifford (red): *Relasjoner; Hverdagsskrift til Per Olav Tiller*, Tapir. Trondheim, Norway.

Wahren, Carl (1988): Can AIDS be contained? *The OECD Observer*, October/November.

Wahren, Carl (1989): Family Planning Costs and Benefits. *The OECD Observer*, December 1988/January 1989.

Wahren, Carl (1989): The Burgeoning Billions. *The OECD Observer*, December 1988/January 1989.

Wahren, Carl (1989): The Impact of Population Growth. *The OECD Observer*, December 1988/January 1989.



#### **4. Recent demographic trends in the Nordic countries**

## 4.1. DENMARK

### **Population Growth**

The growth of the Danish population, which for the last few years solely was due to net migration, now also is due to excess of births (1989).

### **Fertility**

The total fertility has increased every year since 1983, but still it is very low compared to European countries. The figure for 1988 is 1.560.

### **Migration**

the figure for 1989 shows 38.391 immigrants and 34.949 emigrants, which gives a net migration of 3.442 persons.

By the end of 1989 there were 150.644 persons with foreign citizenship living in Denmark, of which

- 15 per cent came from the nordic countries

- 18 per cent came from the EEC

- 30 per cent came from other countries of Europe and

- 37 per cent from countries abroad, more than half of these citizens came from Asia.

Fig. 4.1. Vital and migration statistics for Denmark 1961-1987.

Year	Annual percentage increase	Live births	Total fertility rate	Deaths	Expectation of life		Infant mortality (per 1000)	Excess of births	Net migration
					Males	Females			
1961-1965*	0.79	81.162	2.589	45.822	70.3	74.5	19.7	35.340	1.790
1966-1970*	0.67	77.277	2.206	48.129	70.6	75.4	15.6	29.148	3.664
1971-1975*	0.48	73.231	1.961	50.472	70.9	76.5	11.7	22.759	1.153
1976 . . . . .	0.29	65.267	1.747	54.001	71.2	77.1	10.2	11.266	3.320
1977 . . . . .	0.42	61.878	1.660	50.485	71.5	77.5	8.7	11.393	5.834
1978 . . . . .	0.28	62.036	1.668	52.864	71.3	77.4	8.8	9.172	5.324
1979 . . . . .	0.20	59.464	1.602	54.654	71.2	77.3	8.8	4.810	5.452
1980 . . . . .	0.03	57.293	1.546	55.939	71.1	77.2	8.4	1.354	398
1981 . . . . .	-0.09	53.089	1.450	56.359	71.4	77.4	7.9	-3.270	-1.845
1982 . . . . .	-0.06	52.668	1.430	55.426	71.5	77.5	8.2	-2.758	-105
1983 . . . . .	-0.09	50.822	1.377	57.156	71.5	77.5	7.7	-6.334	1.719
1984 . . . . .	-0.03	51.800	1.400	57.109	71.6	77.5	7.7	-5.309	3.982
1985 . . . . .	0.10	53.749	1.447	58.378	71.6	77.5	7.9	-4.657	9.499
1986 . . . . .	0.17	55.312	1.480	58.100	71.8	77.7	8.2	-2.769	11.004
1987 . . . . .	0.08	56.221	1.496	58.136	71.8	77.7	7.6	-1.915	6.173
1988 . . . . .	0.01	58.844	1.560	58.984				-140	507
1989** . . . . .	0.11	61.467		59.420				2.047	3.442

\*) Annual average

\*\*) Preliminary figures

## 4.2. FINLAND

### **Population Development**

The population of Finland was 4.954.359 by the end of 1988 and the preliminary number for 1989 is 4.971.800. Population increase will be 17.500 in 1989, approximately the same as last year. It seems that the number of population will exceed 5 millions in 1991.

### **Fertility**

There has been a slight recovery in number of live births in 1988, approximately 3.500 live births more than in 1987. It is estimated that the number of live births will be at the same level also in 1989. The total period fertility is 1.7 in 1988. The latest year the figure exceeded 1.7 was 1983.

### **Mortality**

There has been a trend towards to increasing numbers of deaths during the few last decades. In 1988 the number of deaths was 49.026.

The expectation of life is the same in 1987 and 1988 for women, but for men there is a slight increase.

### **Migration**

The whole 1980's net migration has been positive for Finland. Since 1982 net migration has decreased. In 1988 net migration increased and it is estimated that the increasing trend still continues in 1989.

Fig. 4.2. Vital and migration statistics for Finland 1961-1989.

Year	Annual percentage increase	Live births	Total fertility rate	Deaths	Expectation of life		Infant mortality (per 1000)	Excess of births	Net migration
					Males	Females			
1961-1965*	0.55	80.803	2.613	42.500	65.4	72.6	18.8	38.303	-13.568
1966-1970*	0.12	72.130	2.119	44.487	65.9	73.6	14.4	27.643	-21.955
1971-1975*	0.40	60.982	1.623	44.351	66.7	75.2	11.2	16.631	1.936
1976 . . . . .	0.26	66.846	1.716	44.786	67.5	76.1	9.9	22.060	-9.959
1977 . . . . .	0.23	65.659	1.692	44.065	67.9	76.7	9.1	21.594	-10.629
1978 . . . . .	0.23	63.983	1.652	43.692	68.5	77.1	7.6	20.291	-9.143
1979 . . . . .	0.28	63.428	1.642	43.738	68.9	77.2	7.7	19.690	-6.539
1980 . . . . .	0.37	63.064	1.634	44.398	69.2	77.6	7.6	18.666	-1.198
1981 . . . . .	0.52	63.469	1.648	44.404	69.5	77.8	6.5	19.065	5.729
1982 . . . . .	0.62	66.106	1.720	43.408	70.1	78.1	6.0	22.698	7.258
1983 . . . . .	0.58	66.892	1.739	45.388	70.2	78.0	6.2	21.504	6.807
1984 . . . . .	0.50	65.076	1.697	45.098	70.4	78.8	6.5	19.978	4.219
1985 . . . . .	0.35	62.796	1.644	48.198	70.1	78.5	6.3	14.598	2.726
1986 . . . . .	0.31	60.632	1.599	47.135	70.5	78.7	5.8	13.497	1.658
1987 . . . . .	0.26	59.827	1.591	47.949	70.7	78.7	6.2	11.878	667
1988** . . . . .	0.32	63.313	1.700	49.026				14.287	1.718
1989*** . . . . .	0.35	63.000	1.700	48.000				15.000	2.500

\*) Annual average

\*\*) Preliminary figures

\*\*\*) Estimate

### 4.3. ICELAND

#### **Population growth**

The population of Iceland was 252 thousands by the end of 1988. The population growth has been much higher than in the other Nordic countries. In 1988 it was 1.7 per cent.

#### **Fertility**

Compared to the other Nordic countries Iceland has a high fertility level. The total fertility rate has been declining during the last two decades, but went below replacement level in 1985-1986. In 1988 the total fertility rate has risen to 2.268.

#### **Migration**

During the last 3 years net migration has been rising.

#### **Mortality**

In 1988 the life expectancy was 74.6 years for men and 79.7 for women. The infant mortality was 6.2 per 1000 in 1988. All these figures show that Iceland has a slightly lower mortality than the other Nordic countries.

Fig. 4.3. Vital and migration statistics for Iceland 1961-1988.

Year	Annual percentage increase	Live births	Total fertility rate	Deaths	Expectation of life		Infant mortality (per 1000)	Excess of births	Net migration
					Males	Females			
1961-1965*	1.4	4.517	3.493	1.349	70.8	76.2	17.2	3.168	-432
1966-1970*					70.7	76.3			
1971-1975*	1.4	4.442	2.848	1.466	71.6	77.5	11.5	2.976	-9
1978	0.9	4.162	1.421	1.421	73.5	79.2**	11.3	2.741	-700
1979	1.0	4.475	2.489	1.482			5.4	2.993	-525
1980	1.1	4.528	2.478	1.538			7.7	2.990	-540
1981	1.2	4.345	2.332	1.656			6.0	2.689	183
					73.9	79.4			
1982	1.5	4.337	2.263	1.583			7.1	2.754	645
1983	1.2	4.371	2.243	1.653			6.2	2.718	230
					74.0	80.2			
1984	0.9	4.113	2.081	1.584			6.1	2.529	-271
					74.7	80.2			
1985	0.7	3.856	1.933	1.656			5.7	2.200	-508
					75.0	80.4			
1986	1.0	3.881	1.933	1.598			5.4	2.283	363
1987	1.3	4.193	2.071	1.724			7.2	2.469	879
1988**	1.7	4.673	2.268	1.818	74.6	79.7	6.2	2.855	1.503

\*) Annual average

\*\*) 1976-1980

\*\*\*) Preliminary figures

## 4.4. NORWAY

### Population development

The population of Norway was 4.233.500 by the end of 1989. In 1989 the population increased by 13.100 persons, or 0.30 percent (preliminary figures). By comparison, the increase in 1988 was 23.200, or 0.45 percent. The natural increase in 1989 was around 14.300, 2.100 higher than in 1988.

For the first time since 1970 there was registered a net *outmigration*. The preliminary figure is minus 1.500, while the net *immigration* in 1988 was 10.100.

### Fertility

In 1988 there were 57.500 live births, giving a total fertility rate of 1.84. The number of live births in 1989 were 59.200, resulting in a total fertility rate of about 1.88. The fertility rate has been steadily increasing since 1983, when the rate was 1.66. During the last years there has been some increase in the fertility rates in all age groups between 19 and 45 years, but especially in the age groups from 25 to 34. The number of legal abortions in 1988 were 15.800, an increase by 400 from the preceding year.

### Mortality

In 1988 there were 45.500 deaths in Norway, compared to 45.000 in 1987. The preliminary figure for 1989 is 45.000. This means that the crude death rate will be about 10.6 per thousand in 1989. On the basis of the mortality rates of 1988 the expectation of life at birth was calculated to 73.1 years for males and 79.6 years for females.

### Nuptiality

In 1988 the number of marriages were 21.700, almost 700 more than the previous year. At the same time the marriage rates decreased, due to the relatively large age groups entering marriageable ages.

The number of divorces in 1988 were 8.800, 350 more than in 1987 and 900 more than in 1986. The number of divorces per 1.000 existing marriages was 9.4 in 1988. On the basis of the divorce pattern of 1988 it has been calculated that about 38 per cent of the marriages may be dissolved by divorce.

### Migration

In 1988 the net *immigration* was 10.000 while preliminary figures for 1989 give a net *emigration* of 1.500. The reasons for this shift are both reduced immigration and increased emigration. A considerable part of the increased emigration are Norwegian citizens migration to Sweden. By 1st July 1989 there were 138.500 persons with foreign citizenship living in Norway. About 54 per cent were Europeans, and about 27 per cent Asians.

Fig. 4.4. Vital and migration statistics for Norway 1961-1989.

Year	Annual percentage increase	Live births	Total fertility rate	Deaths	Expectation of life		Infant mortality (per 1000)	Excess of births	Net migration
					Males	Females			
1961-1965*	0.78	63.989	2.942	34.994	71.0	76.0	17.1	28.995	-411
1966-1970*	0.79	66.697	2.732	37.522	71.1	76.8	13.9	29.175	853
1971 . . . . .	0.76	65.550	2.489	38.981	71.2	77.4	12.8	26.569	6.615
1972 . . . . .	0.72	64.260	2.383	39.375	71.5	77.8	11.8	24.885	4.423
1973 . . . . .	0.63	61.208	2.229	39.958	71.9	78.1	11.9	21.250	3.444
1974 . . . . .	0.62	59.603	2.129	39.464	72.3	78.7	10.4	20.139	4.922
1975 . . . . .	0.49	56.345	1.982	40.061	72.3	79.0	11.1	16.284	4.769
1976 . . . . .	0.45	53.474	1.863	40.216	72.6	79.4	10.5	13.258	4.889
1977 . . . . .	0.40	50.877	1.753	39.824	72.9	79.6	9.2	11.053	5.034
1978 . . . . .	0.37	51.749	1.769	40.682	79.0	79.0	8.6	11.067	3.974
1979 . . . . .	0.31	51.580	1.750	41.632	79.4	79.4	8.8	9.948	2.746
1980 . . . . .	0.33	51.039	1.722	41.340	79.6	79.6	8.1	9.699	4.071
1981 . . . . .	0.36	50.708	1.701	41.893	79.4	79.4	7.5	8.815	5.176
1982 . . . . .	0.38	51.245	1.708	41.454	79.6	79.6	8.1	9.864	5.740
1983 . . . . .	0.29	49.937	1.655	42.224	79.6	79.6	7.9	7.713	4.285
1984 . . . . .	0.28	50.274	1.658	42.581	79.6	79.6	8.3	7.693	3.761
1985 . . . . .	0.32	51.134	1.677	44.372	79.4	79.4	8.5	6.762	6.228
1986 . . . . .	0.36	52.415	1.710	43.560	79.7	79.7	7.9	8.954	7.451
1987 . . . . .	0.45	54.500	1.760	44.700	79.7	79.7	7.9	9.800	13.400
1988 . . . . .	0.45	57.500	1.840	45.500	79.7	79.7	7.9	12.000	10.100
1989** . . . . .	0.30	59.200	1.880	45.500	79.7	79.7	7.9	14.200	1.500

\*) Annual average

\*\*) Preliminary figures

## 4.5. SWEDEN

### **Population increase**

In 1989 the population increased by 67 169 persons - 8 per mille. The natural increase was 23.837, or 3 per mille. The net migration reached the highest level since the 1960s with a total of 43.332 persons. The population increase during 1989 is the largest since 1970.

By the end of 1989 Sweden had 8.526.000 inhabitants. The population will continue to grow until at least the year 2025, according to the latest projection. The calculation is based on the assumption of a total fertility rate of 1.9 and a yearly net migration decreasing from 20.000 to 10.000. The population projection underestimated the population by slightly more than 30.000 at the end of 1989. In the projection the population is assumed to increase to 8.787.000 at the end of year 2000 and to 9.024.000 at the end of 2025.

### **Fertility**

The number of live births in 1989 was more than 115.000, which is an increase of more than 3 per cent compared to 1988. The fertility increase started in mid 1980. The 1989 level in fertility is at the same level as in the 1960s. Sweden has now one of the highest fertility levels in Europe. In the population projection made in 1989, the fertility level is assumed to fall during the next few years and stabilize around a TFR of 1.9.

### **Mortality**

The number of deaths in 1989 was 91.990, a decrease of 4.753 compared to 1988. The mortality in 1988 was unusually high, the number of deaths increased with almost 4 per cent compared to 1987. In 1989 the number of deaths is 1.4 per cent lower than in 1987 and 4.9 per cent lower than in 1988.

Fig. 4.5. Vital and migration statistics for Sweden 1961-1989.

Year	Annual percentage increase	Live births	Total fertility rate	Deaths	Expectation of life		Infant mortality (per 1000)	Excess of births	Net migration
					Males	Females			
1961-1965*	0.72	114.032	2.330	76.332	71.6	75.7	14.8	37.700	18.521
1966-1970*	0.59	115.115	2.120	80.815	71.9	76.6	12.3	34.299	28.575
1971	0.43	114.484	1.980	82.717	72.0	77.3	11.1	31.767	3.055
1972	0.19	112.273	1.930	84.056	72.0	77.4	10.8	28.217	-11.685
1973	0.15	109.663	1.880	85.640	72.1	77.7	9.9	24.023	-10.899
1974	0.39	109.874	1.890	86.316	72.2	77.8	9.6	23.558	9.078
1975	0.39	103.632	1.780	88.208	72.1	77.9	8.6	15.424	16.884
1976	0.33	98.345	1.680	90.677	72.1	77.9	8.3	7.578	19.970
1977	0.37	96.057	1.640	88.202	72.4	78.5	8.0	7.855	22.927
1978	0.21	93.248	1.600	89.681	72.4	78.6	7.8	3.567	14.019
1979	0.23	96.255	1.660	91.074	72.5	78.7	7.5	5.181	13.588
1980	0.17	97.064	1.680	91.800	72.8	78.8	6.9	5.264	9.587
1981	0.06	94.065	1.630	92.034	73.1	79.1	6.9	2.031	2.832
1982	0.05	92.748	1.620	90.671	73.4	79.4	6.8	2.077	2.000
1983	0.04	91.780	1.610	90.791	73.6	79.6	7.0	989	2.226
1984	0.14	93.889	1.650	90.483	73.8	79.9	6.4	3.406	8.661
1985	0.19	98.463	1.730	94.032	73.8	79.7	6.8	4.330	11.003
1986	0.28	101.740	1.790	93.224	74.0	80.0	5.9	8.554	14.980
1987	0.39	104.657	1.843	93.272	74.2	80.2	6.1	11.385	21.993
1988	0.53	112.005	1.960	96.743	74.1	80.0	5.8	15.091	29.644
1989	0.80	115.827	2.0**	91.990			5.7	23.837	43.332

\*) Annual average

\*\*) Preliminary figures



## 5. Mailing-list of the Nordic demographic society

### 5.1. DENMARK

Andersen, Knud West	Fuglebakkevej 19 2000 Frederiksberg	
Andersen, Otto	Danmarks Statistik Sejrøgade 11 2100 København Ø	31 29 82 22
Andersson, Niels	Københavns statistiske kontor Vester Voldgade 87 1552 København V	33 15 38 00
Bertelsen, Ole	Socialforskningsinstituttet Borgergade 28 1300 København K	33 13 98 11
Bille, Hedda	Sundhedsstyrelsen Amaliegade 13 1012 København K	33 91 16 01
Bjørner, Jette	Hartmannsvej 3 2900 Hellerup	
Boel, Astrid	Ewaldsgade 12, 4.tv 2200 København N	
Boolsen, Merete Watt	Socialforskningsinstituttet Borgergade 28 1300 København	33 13 98 11
Borchsenius, Lars	Danmarks Statistik Sejrøgade 11 2100 København Ø	31 29 82 22
Brünniche-Olsen, Olga	Egelykkevej 13 2720 Vanløse	
Bülow-Hansen, Henrik	Klausdalsbrovej 390 2730 Herlev	

---

Carstensen, Bendix	Cancerregistret Landskronagade 66 2100 København Ø	
Dueholm, Erik	Sølystparken 22 2920 Klampenborg	
Engholm, Gerda	Heisesgade 23 2100 København Ø	
Fisker, Kjeld	Birkevænget 25 3520 Farum	
Folketingets bibliotek	Christiansborg 1218 København K	
Foreningen for Familieplanlægning	Aurehøjvej 2 2900 Hellerup	31 62 56 88
Frandsen, Kirsten	Høyrups Allé 4 A 2900 Hellerup	
Gevalli, Lars Erik	Danmarks Statistik Sejrøgade 11 2100 København Ø	31 29 82 22
Grüner, Elisabeth	I/S Datacentralen Retortvej 6-8 2500 Valby	31 46 81 22
Gustavsson, Sigurdur	Economic Development Institute Raudararstig 31 Reykjavík	
Haahr, Kim	Hovedstadsregionens Statistikkontor Gammel Køge Landevej 3 2500 Valby	36 44 11 22
Hansen, Hanne	Ringstedgade 1, 3.th 2100 København Ø	31 38 95 31
Hansen, Hans Oluf	Statistisk Institut Studivestergade 6 1455 København K	33 15 21 66

---

Hansen, Per Vejrup	Sallingvej 55, st.th 2720 Vanløse	
Helms, Marianne	Falkonérgårdsvej 8 1959 Frederiksberg C	31 37 26 19
Isaksen, Knud Isak	Danmarks Statistik Sejrøgade 11 2100 København Ø	31 29 82 22
Jensen, Lars Møller	Kommunedata Udviklingscenter: Økonomi Hadsundvej 184 9100 Aalborg	
Johansen, Hans Chr.	Anne Maries Allé 4 A 5250 Odense	
Johansen, Niels Holmer	Hovedstadsregionens Statistikkontor Gammel Køge Landevej 3 2500 Valby	36 44 11 22
Jørgensen, Kirsten B.	Sortemosevej 201 2730 Herlev	
Knudsen, Per Ravnkilde	Bygvænget 31 2750 Ballerup	42 65 46 88
Knudsen, Lisbeth B.	Sundhedsstyrelsen Amaliegade 13 1012 København K	33 91 16 01
Knudsen, Per Simon	Kommunedata Udviklingscenter: Økonomi Hadsundvej 184 9100 Aalborg	
Konradsen, Klaus	Højsgårds Allé 55 2900 Hellerup	
Kruse, Filip	Den Sociale Højskole Søndervangen 90 8260 Viby J	86 14 23 66

---

Krygell, Peter	Leerbjerg Lod 19 3400 Hillerød	
Lange, Anita	Danmarks Statistik Sejrøgade 11 2100 København Ø	31 29 82 22
Larsen, Mogens Damgård	Pinjevungen 116 3450 Allerød	
Leeson, George	Tusbyvej 4 2650 Hvidovre	
EGV	Vesterbrogade 97 1620 København V	31 23 44 11
Liebach, Birgitte	Grønlands Statistik Postbox 1025 3900 Nuuk	
Linde, Peter	Maglekildevej 16 3.tv 1853 Frederiksberg C	
Lindskrog, Niels Otto	Danmarks Statistik Sejrøgade 11 2100 København Ø	31 29 82 22
Lund, Kim	Horsensgade 12, 3.th 2100 København Ø	31 42 49 57
Lynge, Elsebeth	Cancerregistret Landskronagade 66 2100 København Ø	31 18 55 88
Matthiessen, P. C.	Livjægergade 41, 2.th 2100 København Ø Statistisk Institut Studiestræde 6 1455 København K	33 91 21 66
McCord, Kirsten	Mørkhøjvej 132 D 2730 Herlev	42 94 24 87

---

Melchior, Siri	1105 Clay Avenue Pelham Manor New York 10803 New York / USA	
Metz, Lone	Pinjevangen 116 3450 Allerød	
Mogensen, Tinne	Schönbergsgade 9, 1.tv 1906 København V	
Møller-Sørensen, Kaare	Stenstrupvej 16 4180 Sorø	53 64 93 03
Mørch, Henning	Geografisk Institut Østervoldgade 10 1350 København K	
Mørkeberg, Annike	Liljevej 22 2820 Gentofte	
Mørkeberg, Henrik	Liljevej 22 2820 Gentofte	
Noordhoek, Johs.	Danmarks Statistik Sejrøgade 11 2100 København Ø	31 29 82 22
Olafsson, Olafur	Dir. general of Public Health Laugavegur 116 105 Reykjavík	
Pedersen, Jesper Bruus	Store Kongensgade 108 A 1264 København K	
Pedersen, Kaj	Danmarks Statistik Sejrøgade 11 2100 København Ø	31 29 82 22
Pedersen, Lars	Nordre Fasanvej 45, 2.th 2000 Frederiksberg	
Petersen, Ole Kaysen	Fruerlund 23 2850 Nærum	

---

Qvist, Anna	Danmarks Statistik Sejrøgade 11 2100 København Ø	31 29 82 22
Rasmussen, Lis Müller	Torfavej 9, 1. 2300 København S	
Reynarsson, Bjarni	Borgaskipulag Reykjavíkur Borgartuni 2 105 Reykjavík	
Rikard-Petersen, Kristian	Strandvejen 677 2930 Klampenborg	
Rishøj, Tom	Danmarks Statistik Sejrøgade 11 2100 København Ø	31 29 82 22
Schmidt, Gert	Danmarks Statistik Sejrøgade 11 2100 København Ø	31 29 82 22
Simonsen, Bo	Danmarks Statistik Sejrøgade 11 2100 København Ø	31 29 82 22
Skotte, Lene	Danmarks Statistik Sejrøgade 11 2100 København Ø	31 29 82 22
Soetmann, Michael	Mjøministeriets Dept. Slotsholmsgade 12 1216 København K	
Spieker, Finn	Danmarks Statistik Sejrøgade 11 2100 København Ø	31 29 82 22
Spøhr, Hanne	Danmarks Statistik Sejrøgade 11 2100 København Ø	31 29 82 22
Stene, Jon	Statistisk Institut Studiestræde 6 1455 København K	33 15 21 66

---

Stenvig, Bodil	Danmarks Statistik Sejrøgade 11 2100 København Ø	31 29 82 22
Sørensen, Finn	Hårbyvej 19 8680 Ry	86 89 36 54
Sørensen, Svend	Sundhedsstyrelsen Amaliegade 13 1012 København K	33 91 16 01
Thirup, Anne Marie	Claus Nebsvej 3 2830 Virum	
Thorsager, Gerda	Toggangen 28, 1.tv 2730 Herlev	42 91 83 75
Thygesen, Lars	Danmarks Statistik Sejrøgade 11 2100 København Ø	31 29 82 22
Welcher, Tom	Bymuren 17, 3.th 2650 Hvidovre	31 49 93 64
Wiberg, Håkan	Islands Brygge 27 V 2300 København S	
Willert, Hanne	Frederiksberg Allé 1820 Frederiksberg C	31 24 37 60
Woll, Claus A.	Københavns statistiske kontor Vester Voldgade 87 1552 København K	33 15 38 00
Wulff, Annegrete	Sofiehøjvej 14, 3. 2300 København S	
Zebitz, Ursula	Arbejdsmiljøinstituttet Lersø Parkallé 105 2100 København Ø	31 29 97 11

## 5.2. FINLAND

*Telephone (358-(9)-)*

Ahola, Jorma	Päivänkakkaran tie 1 I 31 SF-02270 Espoo	
Ahonen, Hilikka	Central Statistical Office of Finland P.O. box 770 SF-00101 Helsinki	0-17 341
Anttalainen, Marja-Liisa	University of Helsinki Department of Sociology Franzeninkatu 13 SF-00500 Helsinki	0-765 911
Apajalahti, Pasi	Huopalahdentie 12 B 45 SF-00330 Helsinki	
Askelo, Sini	City of Helsinki Statistical Office Töölöntorinkatu 2 B SF-00260 Helsinki	0-40 291
Alho, Juha	Institute of Occupational Health Haartmaninkatu 1 SF-00290 Helsinki	0-474 7417
Auvinen, Riitta	The Population Research Institute Kalevankatu 16 SF-00100 Helsinki	0-640 235
Berg, Mari-Anna	Tehtaankatu 12 E 66 SF-00140 Helsinki	
Blomberg, Leo	Untamontie 6 E 36 SF-00610 Helsinki	
Blåfield, Eero	University of Jyväskylä Dep. of Statistics Seminaarinkatu 15 SF-40100 Jyväskylä	0-291 211

---

Lankinen, Leila	City of Helsinki Statistical Office SF-00260 Helsinki	0-40 291
Eerola, Mervi	University of Helsinki Dep. of Statistics Aleksanterinkatu 7 SF-00100 Helsinki	0-1911
Ekholm, Anders	University of Helsinki Dep. of Statistics Aleksanterinkatu 7 SF-00100 Helsinki	0-1911
Finnäs, Fjalar	Tuvstigen SF-66140 Övermalax	
Grönroos, Matti	University of Turku Dep. of Statistics Hämeenkatu 1 SF-20500 Turku	
Gustafsson, Pirkko	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Haavio-Mannila, Elina	University of Helsinki Dep. of Sociology Franzeninkatu 13 SF-00500 Helsinki	0-765 911
Hagfors, Robert	The Research Institute of Finnish Economy Lönrotinkatu 4 B SF-00130 Helsinki	0-601 322
Haimi, Olavi	The Association of Finnish Cities Toinen linja 14 SF-00530 Helsinki	0-7711
Hakama, Matti	SF-37590 Mattila	0-176 290
Hakkarainen, Anni	SF-05450 Nukari	0-77 231

---

Haranne, Markku	Majavatie 9 A 8 SF-00800 Helsinki	
Hatunen, Hellevi	Isokaari 5 A 19 SF-00200 Helsinki	0-170 455
Hautamäki, Lauri	University of Tampere Department of Regional Science P.O. Box 607 SF-33101 Tampere	31-156 111
Heimonen, Jorma	Central Statistical Office of Finland P.O. Box 504 SF-00101 Helsinki	0-17 341
Herva, Aslak	Kanervakatu 5 SF-80130 Joensuu	73-28 311
Hietala, Kari	Laajakorvenkuja 4 A 8 SF-01620 Vantaa	
Hirstiö-Snellman, Paula	Pohjoisranta 6 A SF-00170 Helsinki	
Hjelt, Pekka	Mannerheiminkatu 6-8 SF-21110 Naantali	
Hjerppe, Riitta	Rekolantie 27 B SF-01400 Vantaa	
Honkanen, Ossi	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Hulkko, Jouko	The Population Research Institute Kalevankatu 16 SF-00100 Helsinki	0-640 2325
Huuhtanen, Pekka	Alkutie 24-26 B 11 SF-00660 Helsinki	

---

Hyppölä, Jorma	Hepokalliontie 14 SF-00700 Helsinki	
Hytti, Helka	Punavuorenkatu 18 A 4 SF-00150 Helsinki	
Häkkinen, Antti	Kunnantie 4 A 7 SF-00700 Helsinki	
Hämäläinen, Hannu	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Hölttä, Irma	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Inkinen, Irja	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Javanainen, Markku	Inarintie 11-13 A 3 SF-00550 Helsinki	
Jokiranta, Teija	City of Espoo Statistical Office P.O. Box 5 SF-012710 Espoo	0-869 2316
Jutikkala, Eino	Merikatu 3 B SF-00140 Helsinki	0-626 508
Kartovaara, Leena	Dep. of National Public Health Institute Mannerheimintie 166 SF-00300 Helsinki	
Kaivolainen, Kyösti	Orapihlajantie 11 A SF-00320 Helsinki	0-869 2298
Kalavirta, Soila	Puistokaari 7 A 19 SF-00200 Helsinki	0-176 345

---

Kalliala, Eija	Ruusulankatu 19 A 27 SF-00250 Helsinki	0-757 9464
Kannisto, Väinö	Campo Grande 1, 6-D 1700 Lisboa Portugal	351-1-765817
Kari, Kyllikki	Aamuyöntie 11 B SF-02210 Espoo	
Karisto, Antti	The Social Insurance Institution P.O. Box 640 SF-00101 Helsinki	0-56 071
Karjalainen, Elli	University of Oulu The Northern Finland Research Institute/Kainuu Kauppakatu 25 A SF-87100 Kajaani	
Kaukiainen, Yrjö	University of Helsinki Dep. of Economic and Social History Aleksanterinkatu 7 SF-00101 Helsinki	0-1911
Keinänen, Olli	Kokkokalliontie 5 H 77 SF-00370 Helsinki	
Keinänen, Päivi	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Kemppainen, Eeva-Kaisa	City of Helsinki Statistical Office Töölöntorinkatu 2 B SF-00260 Helsinki	0-40 291
Koivukangas, Olavi	Institute of Migration Piispankatu 3 SF-20500 Turku	21-17 536

---

Kolari, Risto	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Koljonen, Kalevi	Porvoonkatu 1 C 37 SF-04200 Kerava	
Koivuniemi, Päivi	Männistöntie 4 E 38, SF-04200 Kerava	0-1641
Koponen, Anne	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Koponen, Juhani	University of Helsinki Inst. of Development Studies Hämeentie 153 B SF-00530 Helsinki	
Korhonen, Raili	Kyösti Kalliontie 6 C 31 SF-00570 Helsinki	
Korkiasaari, Jouni	Institute of Migration Piispankatu 3 SF-20500 Turku	21-17 536
Korpi, Kyllikki	National Board of Social Welfare Siltasaarenkatu 18 C SF-00530 Helsinki	0-73 191
Koskela, Riitta-Sisko	Kiskontie 18 A 10 SF-00280 Helsinki	0-47 471
Koskenvuo, Markku	University of Helsinki Dep. of Public Health Haartmaninkatu 3 SF-00290 Helsinki	0-418 511
Koskinen, Seppo	University of Helsinki Dep. of Sociology Franzeninkatu 13 SF-00500 Helsinki	0-765 911

---

Kulokari, Hannu	University of Helsinki Computing Center Tukholmankatu 2 SF-00520 Helsinki	0-410 566
Kultalahti, Olli	Opiskelijankatu 39 E SF-33720 Tampere	31-175 845
Kuokkanen, Aarne	City of Tampere Statistical Office P.O. Box 87 SF-33211 Tampere	
Källman, Carl-Gustav	Eläke-Varma P.O. Box 175 SF-00121 Helsinki	
Laakso, Seppo	Viides Linja 18 C 43 SF-00530 Helsinki	
Laaksonen, Seppo	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Laatunen, Reijo	Central Pension Security Institute Opastinsilta 7 SF-00520 Helsinki	0-1511
Laine, Heli	Palovartijantie 13 B 20 SF-00750 Helsinki	
Lallukka, Seppo	Inst. for Cultural Relations between Finland and the USSR Armfeltintie 10 SF-00150 Helsinki	0-651 166
Larmo, Seppo	The Administrative District of Kuopio P.O. Box 198 SF-70101 Kuopio	
Lehmusto, Pirjo	Pyörrekuja 4 B 19 SF-01600 Vantaa	

---

Leisio, Christian	Eskolantie 16 SF-00720 Helsinki	
Leppo, Kimmo	National Board of Health P.O. Box 224 SF-05301 Helsinki	0-77 231
Lietsala, Leena	Central Pension Security Institute Opastinsilta 7 SF-00520 Helsinki	0-1511
Lind, Jouko	University of Turku Department of Social Policy Kasarmikatu 6 SF-20500 Turku	0-645 111
Lindbohm, Marja-Liisa	Papinmäentie 21 M SF-00630 Helsinki	0-47 471
Lindgren, Jarl	The Population Research Institute Kalevankatu 16 SF-00100 Helsinki	0-640 235
Lindgren, Susanne	Baunegårdsvej 10, 1.s DK-2820 Gentofte Denmark	
Linkola, Maija-Liisa	City of Helsinki Economic and Planning Dep. P.O. Box 214 SF-00171 Helsinki	
Lovio, Timo	The Population Research Institute Kalevankatu 16 SF-00100 Helsinki	0-640 235
Luukkainen, Tapani	Hiiralankaari 23 A 3 SF-02160 Espoo	0-794 488
Luukko, Martti	Palopirtintie 17 C 15 SF-00930 Helsinki	

---

Läärä, Esa	University of Oulu Department of Applied Mathematics and Statistics SF-90570 Oulu	71-162 342
Lönnroth, Juhani	Svanströmintie 18 B SF-00840 Helsinki	0-1856 472
Majava, Altti	Ministry of Labour P.O. Box 524 SF-00101 Helsinki	0-1856 472
Manninen, Juhani	Aleksis Kiventie 30 SF-04200 Kerava	
Marin, Ritva	Central Statistical Office of Finland P.O. Box 504 SF-00101 Helsinki	0-17 341
Markelin, Pasi	Central Statistical Office of Finland P.O. Box 504 SF-00101 Helsinki	0-17 341
Martelin, Tuija	University of Helsinki Dep. of Sociology Hämeentie 68 SF-00550 Helsinki	0-708 4626
Martikainen, Pekka	Kapteeninkatu 4 B 11 SF-00140 Helsinki	
Marttinen, Jouni	The Administrative District of Turku Ajurinkatu 2 SF-20100 Turku	
Mella, Ilkka	Ministry of the Interior Regional Policy Department Kirkkokatu 12 SF-00170 Helsinki	0-1601

---

Mettovaara, Johanna	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Munter, Arja	Purpuripolku 7-9 C 24 SF-00420 Helsinki	
Mustonen, Heli	Social Research Inst. of Alcohol Studies Kalevankatu 12 SF-00100 Helsinki	0-13 311
Mustonen, Helli	Ruoholahdenkatu 6 f 47 SF-00180 Helsinki	
Myrskylä, Pekka	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Nieminen, Armas	Tikantie 12 SF-33100 Tampere	31-552 897
Nieminen, Mauri	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Nikander, Timo	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Notkola, Irmaleena	University of Kuopio Dep. of Community Health and General Medicine P.O. Box 6 SF-70211 Kuopio	
Notkola, Veijo	Inst. of Occupational Health P.O. Box 93 SF-70280 Kuopio	71-201 226

---

Nurmela, Juha	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Nygren, Martti	Maistraatinkatu 4 B 14 SF-00240 Helsinki	0-150 6231
Ojala, Veijo	Ministry of the Interior Regional Policy Dep. Kirkkokatu 12 SF-00170 Helsinki	0-1601
Pajunen, Airi	Iivisniemenaukio 2 C 28 SF-02260 Espoo	0-804 1825
Parkkinen, Pekka	Economic Planning Center Erottajankatu 15-17 SF-00130 Helsinki	
Partanen, Timo	Inst. of Occupational Health Haartmaninkatu 1 SF-00290 Helsinki	0-474 7392
Pellinen, Mikko	Vakkatie 47 SF-00430 Helsinki	0-1511
Peltonen, Arvo	Halsuantie 10 C 10 SF-00430 Helsinki	
Peltonen, Helena	The Local Government Pensions Institution P.O. Box 425 SF-00101 Helsinki	
Pentti, Pirjo	Bulevardi 17 F 27 SF-00120 Helsinki	
Pentinmäki, Erkki	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341

---

Pesonen, Jukka	City of Vantaa Planning Department P.O. Box 5 SF-01301 Vantaa	0-8391
Piepponen, Paavo	Hiihtäjätie 6 C 30 SF-70200 Kuopio	71-162 211
Pietilä, Pentti	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Pihlman, Marja-Riitta	Merikorttikuja 5 SF-00960 Helsinki	
Pitkänen, Kari	University of Helsinki Department of Economic and social History Aleksanterinkatu 7 SF-00100 Helsinki	0-1911
Poikolainen, Kari	Ilmattarentie 7 A SF-00610 Helsinki	0-47 441
Poukka, Riitta	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Pulkkinen, Aimo	The Population Research Institute Kalevankatu 16 SF-00100 Helsinki	0-640 235
Purola, Tapani	University of Helsinki Dep. of Social Policy Franzeninkatu 13 SF-00500 Helsinki	0-765 911
Rajala, Riitta	Kuutamokatu 4 a 36 SF-02210 Espoo	

---

Ranne, Antero	Insurance Company Ilmarinen Eerikinkatu 41 SF-00180 Helsinki	
Ranta, Sinikka	Tietäjätie 17 E SF-02130 Espoo	
Reijo, Marie	Kaskenkaatajantie 5 D 43 SF-02100 Espoo	0-455 4096
Repo, Aila	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Riihinan, Olavi	University of Helsinki Dep. of Social Policy Franzeninkatu 13 SF-00500 Helsinki	0-765 911
Ritamies, Marketta	The Population Research Institute Kalevankatu 16 SF-00100 Helsinki	0-640 235
Ryynänen, Markku	The Social Insurance Inst. P.O. Box 450 SF-00101 Helsinki	0-431 011
Saari, Matti	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Saarinen, Seija	Honkalantie 13 SF-28360 Pori	
Saijets, Heli	Ministry of the Interior Regional Policy Dep. Kirkkokatu 12 SF-00170 Helsinki	0-1601
Salin, Olli	Kokkokalliontie 1 B 48 SF-00370 Helsinki	0-713 990

---

Salmi, Heikki	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Salo, Mikko	Sukkulatie 18 SF-80260 Joensuu	
Saretsalo, Lauri	University of Jyväskylä Dep. of Statistics Seminaarinkatu 15 SF-40100 Jyväskylä	41-291 211
Sarna, Seppo	University of Helsinki Dep. of Public Health Haartmaninkatu 3 SF-00290 Helsinki	0-418 511
Sauli, Hannele	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Savela, Soili	Talvikkitie 22 A 4 SF-01300 Vantaa	
Savela, Veikko	Hakakatu 4 C SF-04200 Kerava	
Savikko, Teuvo	Sibeliuksentie 21 D 31 SF-04200 Kerava	
Saxen, Åke	Vaakatie 3 E 47 SF-00440 Helsinki	0-562 3342
Sievers, Kai	Uudenkaupunginkatu 8 A 11 SF-00350 Helsinki	
Soikkanen, Hannu	University of Helsinki Department of Economic and Social History Aleksanterinkatu 7 SF-00100 Helsinki	0-1911

---

Starck, Christian	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Strengell, Göran	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Strömmer, Aarno	Isokatu 66 A 51 SF-90120 Oulu	81-15 282
Sukselainen, V.J.	Päivättärenpolku 2 SF-2100 Espoo	
Suviranta, Liisa	Central Statistical Office of Finland P.O. Box 770 SF-00101 Helsinki	0-17 341
Söderling, Ismo	Institute of Migration Piispankatu 3 SF-20500 Turku	21-515 462
Tervämäki, Erkki	University of Helsinki Dep. of Geography Hallituskatu 11-13 SF-00100 Helsinki	0-1911
Tihlman, Veli-Pekka	Pikalähetintie 14 A SF-00620 Helsinki	
Torkko-Laaksonen, Maija	Nuumäentie 7 A 2 SF-02710 Espoo	
Tuomainen, Raimo	Niiralankatu 7 A 4 SF-70600 Kuopio	71-162 211
Tuominen, Eila	Takilatie 19 SF-00850 Helsinki	

---

Tuomisaari, Timo	The Regional Planning Federation of Southern Karelia Pormestarinkatu 6 B SF-53100 Lappeenranta	
Turpeinen, Oiva	Halsuantie 12 G 27 SF-00420 Helsinki	0-191 2844
Uitto, Juha	Huopalahdentie 11 B 31 SF-00330 Helsinki	
Valkonen, Tapani	University of Helsinki Dep. of Sociology Franzeninkatu 13 SF-00500 Helsinki	0-1911
Wallenius, Riitta	Kankurinkatu 5 B 25 SF-00150 Helsinki	
Vapaaoksa, Tuula	Preiviiki SF-28100 Pori	39-302 819
Vergheze, Matthew	Tolsa SF-02400 Kirkkonummi	
Viitanen, Topi	Uomakuja 6 A SF-01600 Vantaa	
Viren, Riitta	Kymintie 45 SF-00560 Helsinki	
Wiman, Ronald	Haltia polku 5 C 28 SF-04440 Järvenpää	0-29 151
Virtanen, Vesa	Central Statistical Office of Finland P.O. Box 504 SF-00101 Helsinki	0-17 341
Visuri, Elina	Valopojju 6 B 51 SF-02320 Espoo	0-1601

---

Yli-Pekka, Lauri	Central Statistical Office of Finland P.O. Box 504 SF-00101 Helsinki	0-17 341
Yli-Pekka, Tarja	Central Statistical Office of Finland P.O. Box 504 SF-00101 Helsinki	0-17 341

### 5.3. NORWAY

Agder Høgskolestyre	P.B. 268 4801 Arendal	
Alvheim, Atle	NSD Hans Holmboesgaten 22 5007 Bergen	
Berg, Gudmund Frode	Skogmusveien 16 7082 Kattem	07-845 545
Berge, Erling	Inas Munthesgaten 31 0260 Oslo 2	02-554 510
Bergstrøm, Yngve	Statistisk Sentralbyrå P.B. 510 Stasjonssida 2201 Kongsvinger	066-16 111
Beverfeldt, Eva	Norsk Gerontologisk Institutt Oscars Gate 36 0870 Oslo 8	
Bing, Just Johan	Nito P.B. 9100 Vaterland 0134 Oslo 1	
Bjerkedal, Tor	Hygienisk Institutt P.B. 8149 Dep 0033 Oslo 1	02-466 850

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Bjørn, Kirsten	Norad P.B. 8142 Dep Oslo 1	02-314 055
Blom, Svein	Statistisk Sentralbyrå P.B. 8131 Dep 0033 Oslo 1	
Borgan, Jens-Kristian	Statistisk Sentralbyrå P.B. 8131 Dep 0033 Oslo 1	02-413 820
Borgan, Ørnulf	Matematisk Institutt Univ. Oslo Blindern Oslo 3	
Brunborg, Helge	Statistisk Sentralbyrå P.B. 8131 Dep 0033 Oslo 1	02-413 820
Bryhn, Frøydis	Nedre Båstadvei 40 1370 Asker	02-782 055
Brækhus, Kjeld	Johs. Haugerudsvei 48 1351 Rud	02-132 005
Bugge, Liv Susanne	Leiraveien 15 2322 Rindabu	
Byfuglien, Jan	Statistisk Sentralbyrå P.B. 510 Stasjonssida 2201 Kongsvinger	066-16 111
Båtevik, Finn Ove	Helleveien 267 5035 Bergen	
Christian Michelsens Institutt	Fantoftvegen 38 5036 Fantoft	05-284 410
Dale, Britt	Geografisk Institutt Univ. i Trh. avd. lade 7055 Dragvoll	

---

Duvold, Ellen-Merete	Inas Munthesgaten 31 0260 Oslo 2	02-554 510
Dyrvik, Ståle	Historisk Institutt P.B. 23 5014 Bergen-univ.	05-212 321
Ellingsæter, Anne Lise	Isf Munthesgaten 31 0260 Oslo 2	02-554 510
Elstad, John Ivar	Inas Munthesgaten 31 0260 Oslo 2	02-554 510
Engås, Bjørn	Gruppe for ressursstudier Sagveien 21 0458 Oslo 4	02-370 288
Eriksen, John	Inas Munthesgaten 31 0260 Oslo 2	02-554 510
Festervold, Vigdis	Jacob Neumannsvei 43 1375 Høn	
Flakstad, Anne Grethe	Soppsvingen 28 9100 Kvaløysletta	
Foss, Olaf	Norsk Institutt for by- og regionsforskning P.B. 44 Blindern 0313 Oslo 3	02-601 010
Fridstrøm, Lasse	Tøi P.B. 6110 Etterstad 0602 Oslo 6	
Fure, Eli	Historisk Institutt P.B. 1008 Blindern 0315 Oslo 3	02-456 873

---

Fylkeskassereren i	Aust Agder v/Melandsø Fylkeshuset 4801 Arendal	
Gomez de Leon, José	Statistisk Sentralbyrå P.B. 8131 Dep 0033 Oslo 1	02-413 820
Gramstad, Victoria	Rogaland Fylkeskommune P.B. 130 4001 Stavanger	
Grue, Lars	Inas Munthesgaten 31 0260 Oslo 2	02-554 510
Grunfeld, Berthold	Institutt for sosialmedisin Rikshospitalet 0027 Oslo 1	02-201 056
Gulbrandsen, Lars	Inas Munthesgaten 31 0260 Oslo 2	02-554 510
Gulbrandsen, Ole	Norges Byggforsk. Institutt Forskningsveien 38 0371 Oslo 3	02-469 880
Gåsemyr, Magne	Haskollveien 27 3400 Lier	
Hagan, Merete	Bærum kommune Sandviksveien 168 1300 Sandvika	02-135 990
Hagestad, Gunhild	Isf Munthesgaten 31 0260 Oslo 2	02-554 510
Haldorsen, Tor	Statens Institutt for folkehelse Geitsmyrsveien 75 0462 Oslo 4	02-356 020

---

Hanisch, Thor Einar	Agder Høgskolestyre P.B. 298 4891 Grimstad	041-43 100
Hansen, Jens Christian	Geografisk Institutt NHH P.B. 3408 5035 Sandviken	05-256 500
Hansen, Tore	Kirkeveien 82 0364 Oslo 3	
Haram, Øystein	Arbeids- og adm. dep. P.B. 8004 Dep 0032 Oslo 1	02-349 090
Heffermehl, Inger-Lise	Aftenposten P.B. 1178 0107 Oslo 1	
Heli, Hans	Sosialøkonomisk Institutt P.B. 1095 Blindern 0317 Oslo 3	02-455 154
Helland, Haktor	Stjerneveien 33 0389 Oslo 3	
Hernes, Gudmund	Fafo Fossveien 19 0551 Oslo 5	02-401 050
Hernæs, Erik	SAF, Sosialøkonomisk Inst. P.B. 1095 Blindern 0317 Oslo 3	
Hilberg-Jacobsen, Eddy	Kirkeveien 67 C 0364 Oslo 3	
Hodne, Oddleif	Vardåslia 7 4600 Kristiansand	042-21 779
Hogseth, Ragnhild	Gitta Jønssons Vei 19 9000 Tromsø	

---

Holter, Øistein Gullvåg	Arbeidspsykol. Institutt P.B. 8171 Dep 0034 Oslo 1	02-461 670
Imhof, Arthur	Freie Univ. Berlin FB. 13 Habelschwerdter Allé 1 Berlin 33 Germany	
Iversen, Gunvor	Socialdepartementet P.B. 8011 Dep 0030 Oslo 1	02-413 820
Jensen, An-Magritt	Norsk Institutt for by- og regionforskning P.B. 44 Blindern 0313 Oslo 3	02-601 010
Jensen, Einar	Statistisk Sentralbyrå P.B. 8131 Dep 0033 Oslo 1	
Johannessen, Idar	Sofiesgate 58 0168 Oslo 1	02-694 139
Juhasz, Lajos	Fritznersgaten 18 A 0264 Oslo 2	02-567 613
Karlsen, Arild	Sandvik 5584 Bjoa	04-769 817
Keilmann, Nico	Nidi PO Box 11650 NL-2502 AR the Hague Nederland	70-694 341
Kjeldstad, Randi	Inas Munthesgaten 31 0260 Oslo 2	02-554 510
Kjølsrød, Lise	Finansdepartementet P.B. 8008 Dep 0030 Oslo 1	02-349 090

---

Kolstø, Henrik	Finansrådmannens kontor Sandviksveien 168 1301 Sandvika	
Kravdal, Øystein	Statistisk Sentralbyrå P.B. 8131 Dep 0033 Oslo 1	02-413 820
Kristiansen, Jan Erik	Statistisk Sentralbyrå P.B. 8131 Dep 0033 Oslo 1	02-413 820
Kristiansen, Ketil	Hallagerbakken 12 A 1256 Oslo 12	02-614 740
Kristofersen, Lars B.	Norsk Institutt for by- og regionforskning P.B. 44 Blindern 0313 Oslo 3	02-601 010
Kristoffersen, Dag	Brattåsveien 56 1790 Tistedal	031-92 651
Lahn, Jannecke	Statistisk Sentralbyrå P.B. 8131 Dep 0033 Oslo 1	02-413 820
Larsen, Knut Arild	NAVF's utredn. institutt Munthesgaten 29 0260 Oslo 2	
Larsen, Øyvind	Seksjon for medisinsk historie P.B. 1111 Blindern 0317 Oslo 3	02-454 111
Lettenstrøm, Gerd S.	Åsryggen 20 1166 Oslo 11	
Lian, Jon Inge	Transportøkon. institutt P.B. 6110 Etterstad 0602 Oslo 6	02-202 270

---

Lie, Morten	Bærum kommune Rådmannen Boks 23 1301 Sandvika	
Liestøl, Knut	Institutt for informatikk P.B. 1080 Blindern 0317 Oslo 3	02-455 040
Lind, Oddvar	Norsk Telegrambyrå Rosenkrantz Gate 3 0159 Oslo 1	02-201 670
Lindbekk, Kari	Tyholtveien 45 7000 Trondheim	07-528 648
Lingsom, Susan P.	Inas Munthesgaten 31 0260 Oslo 2	02-554 510
Ljones, Olav	Statistisk Sentralbyrå P.B. 8131 Dep 0033 Oslo 1	02-413 820
Lycke, Kirsten	Pedagogisk forskningsinstitutt P.B. 1092 Blindern 0317 Oslo 3	02-455 397
Melhuus, Marit	Inst. socialantropologi P.B. 1091 Blindern 0317 Oslo 3	02-454 246
Miranda, Armindo	Chr. Michelsens institutt Derap Fantoftsveien 38 5036 Fantoft	05-284 410
Moe, Thorvald	Finansdepartementet P.B. 8008 Dep 0030 Oslo 1	02-119 810
Moen, Bjørg	Statistisk Sentralbyrå P.B. 8131 Dep 0033 Oslo 1	02-413 820

---

Monssen, Eva Jemblie	Statistisk Sentralbyrå P.B. 510 Stasjonssida 2201 Kongsvinger	066-16 111
Mook, Reinhard	Universitetet i Tromsø P.B. 1040 9001 Tromsø	083-81 688
Myklebost, Hallstein	Geografisk Institutt P.B. 1042 Blindern 0316 Oslo 3	02-455 925
Myhre, Jan E.	Lachmanns Vei 72 C 0455 Oslo 4	02-235 910
Mønnesland, Jan	Norsk Institutt for by- og regionforskning P.B. 44 Blindern, 0313 Oslo 3	02-601 010
Noack, Turid	Statistisk Sentralbyrå P.B. 8131 Dep 0033 Oslo 1	02-413 820
Norderhaug, Ann	"Ekely" Kjønnerød 3140 Borgheim	033-84 100
Noreik, Harald	Miljøverndep. Planavd. P.B. 8013 Dep 0030 Oslo 1	02-117 534
Norges Forsikringsforbund	v/Solveig Ørbæk P.B. 2473 Solli 0202 Oslo 2	02-566 690
Norsk Gerontologisk Institutt	Oskars Gate 36 0870 Oslo 8	
Næshagen, Ferdinan	NHKI P.B. 23 Kringsjø 0807 Oslo 8	

---

Nøhr, Øivind	Grindbakken 12 0764 Oslo 7	
Oldervoll, Jan	Historisk Institutt P.B. 23 5014 Bergen-univ.	05-213 050
Orderud, Geir	Nibr, NTH 7034 Trondheim NTH	
Oshaug, Arne	Nygårdsbakken 4 F 1482 Nittedal	02-771 694
Otnes, Berit	Statistisk Sentralbyrå P.B. 8131 Dep 0033 Oslo 1	02-413 820
Otnes, Per	Institutt for sociologi P.B. 1096 Blindern 0317 Oslo 3	02-455 262
Pedersen, Jon	Etnografisk museum Frederiksgaten 2 0164 Oslo 1	02-416 300
Pedersen, Finn	Solhauggaten 11 0565 Oslo 5	02-357 611
Petersen, Trond	School of Buis. Adm. 350 Barrows Hall Univ. of California Berkeley, Cal. 94720 USA	
Ramsøy, Natalie Rogoff	Inas Munthesgaten 31 0260 Oslo 2	02-554 510
Randsborg, Hege Brit	Riksarkivet Folke Bernadottesvei 21 0862 Oslo 8	02-237 480
Rasmussen, Tor Fredrik	Geografisk Institutt P.B. 1042 Blindern 0316 Oslo 3	02-455 920

---

Rideng, Arne	Transportøkon. Institutt P.B. 6110 Etterstad 0602 Oslo 6	02-202 270
Rosen, Jahn	Siemens A/S Østensjøveien 27 0661 Oslo 6	02-655 380
Rosenberg, Margit	Gaustadveien 263 0372 Oslo 3	
Sauberer, Michael	Friedenszeile 6 A-1130 Wien Austra	
Saugstad, Letten F.	Yrkeshygienisk Institutt P.B. 8149 Dep 0033 Oslo 1	02-466 850
Schreiner, Per	Finansdepartementet P.B. 8008 Dep 0030 Oslo 1	02-117 310
Schweder, Tore	Socialøkonomisk Institutt P.B. 1095 Blindern 0317 Oslo 3	02-455 144
Seip, Jens L.	Boligavd. Kommunaldep. P.B. 8113 Dep 0032 Oslo 1	02-202 270
Sejersted, Francis	Historisk Institutt P.B. 1008 Blindern 0315 Oslo 3	02-456 806
Selmer, Randi	Statens Helseundersøk. Akersgate 64 0180 Oslo 1	
Sevaldson, Per	Statistisk Sentralbyrå P.B. 8131 Dep 0033 Oslo 1	02-413 820

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Skirbekk, Sigurd	Institutt for sociologi P.B. 1096 Blindern 0317 Oslo 3	02-455 216
Skiri, Halvard	Statistisk Sentralbyrå P.B. 510 Stasjonssida 2201 Kongsvinger	066-16 111
Skjeldestad, Finn Egil	Regionsjukehuset 7000 Trondheim	07-598 000
Skrede, Kari	Inas Munthesgaten 31 0260 Oslo 2	02-554 510
Sogner, Sølvi	Historisk Institutt P.B. 1008 Blindern 0315 Oslo 3	02-456 874
Stambøl, Lasse S.	Statistisk Sentralbyrå P.B. 8131 Dep 0033 Oslo 1	02-413 820
Sten, Knut M.	Møre og Romsdal DH Sjukehusveien 1 6100 Volda	070-77 066
Stenseth, Nils Chr.	Biologisk Institutt Avdeling for zoologi P.B. 1050 Blindern 0316 Oslo 3	
Stoltenberg, Karin	Mogens Thorsens Gate 1 0264 Oslo 2	
Stordahl, Erik	Statistisk Sentralbyrå P.B. 8131 Dep 0033 Oslo 1	02-413 820
Strand, Kitty	Konghellegate 1 0569 Oslo 5	
Sødahl, Rolf Jørgen	Svendsens Vei 16 2013 Skjetten	

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Sørensen, Knut Ø.	Statistisk Sentralbyrå P.B. 8131 Dep 0033 Oslo 1	02-413 820
Sørli, Kjetil	Norsk institutt for by- og regionforskning P.B. 44 Blindern 0313 Oslo 3	02-601 010
Texmon, Inger E.	Statistisk Sentralbyrå P.B. 8131 Dep 0033 Oslo 1	02-413 820
Thonstad, Tore	Sosialøkonomisk institutt P.B. 1095 Blindern 0317 Oslo 3	02-455 160
Tønder, Johan-Kristian	Skedsmo kommune Skedsmo rådhus 2010 Strømmen	06-817 101
Tønnesen, Bjørn Lied	5815 Solvorn	056-71 311
Vaa, Mariken	Isf Munthesgaten 31 0260 Oslo 2	
Valheim, Ragnvald	Kommunaldepartementet P.B. 8112 Dep 0032 Oslo 1	02-202 270
Vislie, Jon	Sosialøkonomisk institutt P.B. 1095 Blindern 0317 Oslo 3	02-455 381
Walløe, Lars	Institutt for informatikk P.B. 1080 Blindern 0316 Oslo 3	02-455 145
Wedervang, Frøystein	Kapellveien 58 0487 Oslo 4	02-221 325
Wetlesen, Tone Schou	Institutt for sosiologi P.B. 1096 Blindern 0317 Oslo 3	02-455 210

---

Østby, Lars	Statistisk Sentralbyrå P.B. 8131 Dep 0033 Oslo 1	02-413 820
Øverbye, Einar	Flesåsveien 1 0860 Oslo 8	
Øvrebø, Egil	Statsarkivaren Årstadvollen 22 5000 Bergen	05-315 070
Øyen, Ørjar	Sosiologisk Institutt Christiesgaten 15-19 5014 Bergen-univ.	05-213 050
Aalen, Odd	Farmakologisk Institutt P.B. 1057 Blindern 0316 Oslo 3	02-466 060
Aamodt, Per Olav	Navf's Utredn. Institutt Munthesgaten 29 0260 Oslo 2	
Aarsether, Ragnhild	Institutt for samf. vitenskap P.B. 1040 9001 Tromsø	083-81 688
Ås, Dagfinn	Norges Byggforskningsinstitutt P.B. 322 Blindern 0314 Oslo 3	02-456 060
<i>Dansk demografisk forening</i>	v/Danmarks Statistik Sejrøgade 11 2100 København Ø Danmark	31-29 82 22
<i>Finsk demografisk forening</i>	v/Timo Nikander Centr. Stat. Office SF-00101 Helsinki Finland	0-765 911
<i>Svensk demografisk forening</i>	v/Demografiska avd. Stockholms universitet S-106 91 Stockholm Sverige	8-163 136

## 5.4. SWEDEN

		<i>Telephone (office)</i> <i>(00946-(0)-)</i>
Andersson, Britt-Marie	Kråkdungevägen 6 161 70 Bromma	08-786 94 69
Af Geijerstam, G.	Sveavägen 5 182 62 Djursholm	08-755 31 00
Arvidsson, Arne	Statistiska Centralbyrån 115 81 Stockholm	08-783 40 00
Bandel-Bäckman, Jeanette	Västertäppsvägen 3 132 00 Saltsjö-Boo	08-715 97 05
Bengtsson, Tommy	Ekonomisk Historia H. Craafords Ekomicenter Box 7083 220 07 Lund	046-10 73 80
Berg, Sven	Statistiska Inst. Box 7008 220 07 Lund	046-10 70 00
Bernhardt, Eva	Demografiska Avdelningen Stockholms Universitet 106 91 Stockholm	08-16 31 31
Biterman, Danuta	Demografiska Avdelningen Stockholms Universitet 106 91 Stockholm	08-16 31 32
Bjerén, Gunilla	Demografiska Avdelningen Stockholms Universitet 106 91 Stockholm	08-16 20 04
Bjurman, Arne	Bagarbyvägen 6 F 191 44 Sollentuna	08-92 95 31
Bolander, Anne-Marie	Statistiska Centralbyrån 115 81 Stockholm	08-783 40 00

---

Borgegård, Lars-Erik	Avd. 3 SIB Box 785 801 29 Gävle	026-10 02 20
Broström, Göran	Matematisk Statistik Umeå Universitet 901 87 Umeå	090-16 52 23
Bryding, Göran	Statistiska Institutionen Uppsala Universitet Box 513 751 20 Uppsala	018-15 54 00
Brändström, Anders	Demografiska Databasen Umeå Universitet 901 87 Umeå	090-16 60 63
Bucht, Birgitta	Population Division United Nations New York, N.Y. 10017 USA	
Carlsson, Gösta	Sociologiska Inst. Stockholms Universitet 106 91 Stockholm	08-16 31 88
Dahlin, Jan	Landsarkivet Box 2016 220 02 Lund	046-10 98 53
De Geer, Erik	Ritargatan 5 754 33 Uppsala	018-13 55 83
Diaconescu, Viorica	I/Ledn SCB 115 81 Stockholm	08-783 40 00
Edvinsson, Sören	Demografiska Databasen Umeå Universitet 901 87 Umeå	090-16 50 00
Egerbladh, Inez	Demografiska Databasen Umeå Universitet 901 87 Umeå	090-16 57 91

---

Egerö, Bertil	5 Sandowne Road Highlands Harare Zimbabwe / Africa	
Eidenstam, Ira	Raketvägen 3 A 175 63 Järfälla	08-742 43 78
Enslöf, Karin	Högsätesgränd 5 182 63 Djursholm	08-755 48 05
Ericsson, Tom	Historiska Institutionen Umeå Universitet 901 87 Umeå	090-16 62 47
Eriksen, Tor	Edsviksvägen 89 191 43 Sollentuna	08-96 45 66
Eriksson, Ewa	Kiselvägen 24 703 74 Örebro	
Eriksson, Robert	SOFI Stockholms Universitet 106 91 Stockholm	08-16 20 93
Etzler, Cecilia	Kommunförbundet Hornsgatan 15 116 47 Stockholm	08-772 41 12
Familjehistoriska Proj.	S:t Johannesgatan 21 752 32 Uppsala	
Florin, Agneta	Österlånggatan 22 111 31 Stockholm	08-789 20 00
Fridlitzius, Gunnar	Ekonomiska Historia H. Craafords Ekonomiscenter Box 7083 220 07 Lund	046-10 70 00
Gendell, Murray	4107 Dakota Ct Alexandria VA 22312 USA	

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Grundström, Curt	SCB 701 89 Örebro	019-17 60 00
Gustafsson, Kjell	Grönviksvägen 121, 1 Tr 161 42 Bromma	0758-285 00
Gustafsson, Siv	Brännkyrkagatan 77 Stockholm	08-84 55 38
Hagnell, Mats	Statistiska Inst. Box 7008 220 07 Lund	046-10 70 00
Hartmann, Michael	I/Ledn Statistiska Centralbyrån 115 81 Stockholm	08-783 40 00
Hasslestål, Ingemar	Filipstadsbacken 60 123 43 Farsta	08-713 94 42
Hoem, Britta	Demografiska Avdelningen Stockholms Universitet 106 91 Stockholm	08-16 35 48
Hoem, Jan M.	Demografiska Avdelningen Stockholms Universitet 106 91 Stockholm	08-16 31 30
Hofsten, Erland	Ursvikvägen 121 172 46 Sundbyberg	08-28 01 05
Hoppe, Göran	Kulturgeografiska Inst. Stockholms Universitet 106 91 Stockholm	08-16 48 30
Häggström, Nils	Demografiska Databasen Umeå Universitet 901 87 Umeå	090-16 50 00
Johanneson, Ingvar	SCB 701 89 Örebro	019-17 60 00
Johansson, Lars-Age	SCB 115 81 Stockholm	08-783 40 00

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Johansson, Leif	I/Ledn SCB 115 81 Stockholm	08-783 43 75
Johansson, Sten	VL Statistiska Centralbyrån 115 81 Stockholm	08-783 40 00
Korpi, Tomas	Demografiska Avdelningen Stockholms Universitet 106 91 Stockholm	08-16 31 26
Kostaki, Anastasia	Statistiska Inst. Box 7008 220 07 Lund	046-10 70 00
Kruse, Agneta	Ilionsgränd 84 223 71 Lund	
Larsen, Ulla	University of California Progr. in pop. research 2234 Piedmont Avenue Berkley, Cal. 94720 / USA	
Larsson, Stefan	Planeringsavdelningen Regionalekonomiska Enh. Länsstyrelsen 205 15 Malmö	
Leijon, Bengt-Åke	Lunds kommun Box 41 221 00 Lund	046-15 50 45
Leiniö, Tarja-Liisa	SOFI Stockholms Universitet 106 91 Stockholm	08-16 34 59
Liljegren, Erik	SCB 701 89 Örebro	019-17 60 00
Lindskog, Per	Ekholmsvägen 24 A 582 51 Linköping	
Lindström, Gerd	Auravägen 1 216 18 Malmö	040-40 81 24

---

Lindén, Anna-Lisa	Nordmannavägen 74 223 75 Lund	046-10 70 00
Lundberg, Anders	Göteborgs Stadskansli Box 2131 403 13 Göteborg	031-80 46 10
Lundberg, Olle	SOFI Stockholms Universitet 106 91 Stockholm	08-16 26 53
Lundh, Christer	Ekonomisk Historia H. Craafords Ekonomiscenter Box 7083 220 07 Lund	046-10 70 00
Lundström, Hans	I/Ledn Statistiska Centralbyrån 115 81 Stockholm	08-783 43 70
Lyberg, Ingrid	SCB 115 81 Stockholm	08-783 43 76
Lönn, Sven-Gunnar	Tisdagsgatan 12 415 12 Göteborg	031-80 46 10
MacGregor-Thunell, Anders	Historiska Inst. Renströmsgatan 6 412 98 Göteborg	031-63 10 00
Martinelle, Sten	I/Ledn Statistiska Centralbyrån 115 81 Stockholm	08-783 43 77
Meirik, Olav	Social Medicinska Inst. Fack 750 14 Uppsala	018-16 60 00
Meisaari-Polsa, Tuija	Sickla Strand 73, II 131 34 Nacka	08-783 40 00
Melchior, Siri	UNFPA 200 E 42 Street New York N.Y. 10017 USA	

---

Melin, Ingrid	Tibastvägen 15 703 75 Örebro	
Mårtensson, Lasse	Smedsvägen 11 612 00 Finspång	
Neelambar, Hatti	Ekonomisk Historia H. Craafords Ekonomiscenter Box 7083 220 07 Lund	046-10 70 00
Nilsson, Åke	SCB 701 89 Örebro	019-17 60 00
Nilsson, Bengt	Lugna Gatan 1 211 59 Malmö	040-34 10 64
Norberg, Anders	Riksdagsbiblioteket Sveriges Riksdag 100 12 Stockholm	08-786 41 72
Nordin, Allan	AM/PI SCB 115 81 Stockholm	08-783 40 00
Nygren, Ola	I/Ledn Statistiska Centralbyrån 115 81 Stockholm	08-783 40 00
Ohlander, Ann-Sofie	Historiska Institutionen S:t Larsgatan 2 752 20 Uppsala	018-15 54 00
Ohlsson, Rolf	Ekonomisk Historia H. Craafords Ekonomiscenter Box 7083 220 07 Lund	046-10 70 00
Olin, Ulla	Färggårdstorget 52, III 116 43 Stockholm	08-40 83 96
Olinder, Bengt	USK Box 8320 104 20 Stockholm	08-668 05 40

---

Page, Hilary	Interuniversity Program c/o Vrije University Brussels, Peinlaan 2 1005 Brussels Belgium	
Pernu-Olofsson, A.	Laxåvägen 31 121 60 Johanneshov	
Petersson, Bo	Österlånggatan 10 A 291 33 Kristianstad	
Pleiborn, Maria	Demografiska Avdelningen Stockholms Universitet 106 91 Stockholm	08-16 31 36
Puranen, Bi	Bollhusgränd 3 A 111 31 Stockholm	08-14 92 20
Qvist, Jan	SCB 11581 Stockholm	08-783 40 00
Rasmussen, Finn E.	Social Medicinska Inst. Uppsala Universitet Fack 750 14 Uppsala	018-15 54 00
Reinans, Sven Alur	Arbetsmarknads Dep 103 33 Stockholm	08-763 10 00
Rennermalm, Bo	Tröskvägen 69 175 45 Järfälla	0758-173 45
Ribe, Martin	SCB 115 81 Stockholm	08-783 40 00
Rogers, John	Ringstedtsgratan 6 164 43 Kista	08-751 49 33
Rolén, Mats	Oslogatan 26 752 34 Uppsala	018-11 79 80

---

Roos, Hans-Edvard	Sociologiska Inst. Lunds Universitet Box 5132 220 05 Lund	046-10 70 00
Saers, Josef	Indalsbacken 25 162 22 Vällingby	08-61 45 00
Schéele, Siv	Åkervägen 110 122 35 Enskede	08-737 26 00
Sedelius, Gösta	Piggvarsvägen 37 421 79 Västra Frölunda	
Sellerfors, Håkan	Aspvägen 15 702 20 Örebro	
Sjögren, Carl-Göran	Avtalsförsäkringar Folksam Box 20500 104 60 Stockholm	08-772 80 00
Springfeldt, Peter	SCB 115 81 Stockholm	08-783 40 00
Stenflo, Gun	Demografiska Databasen Umeå Universitet 901 87 Umeå	090-16 50 00
Strandberg, Margit	AM/PI SCB 115 81 Stockholm	08-783 40 00
Sträng Abrahamsson, Agneta	Jaktstigen 9 713 33 Nora	
Sundin, Jan	Tema H Linköpings Universitet 581 83 Linköping	013-28 10 00
Tedebrand, Lars-Göran	Historisk Demografi Umeå Universitet 901 87 Umeå	090-16 60 35

---

Thorburn, Daniel	Statistiska Inst. Stockholms Universitet 106 91 Stockholm	08-16 29 56
Tingvall, Lennart	Pärlröksgången 313 135 33 Tyresö	08-742 22 50
Trost, Jan	Sociologiska Inst. Uppsala Universitet Box 513 751 20 Uppsala	018-15 54 00
Tryggvesson, Rune	I/Ledn SCB 115 81 Stockholm	08-783 40 00
Ulfsparre, Anna-Christina	Landsarkivet 220 00 Lund	046-10 98 53
Vågerö, Denny	SOFI Stockholms Universitet 106 91 Stockholm	08-16 20 00
Wadensjö, Eskil	SOFI Stockholms Universitet 106 91 Stockholm	08- 16 34 48
Wahren, Carl	Aid Management Division OECD 2, Rue André Pascal F-75775 Paris Cedex 16 France	
Wittrock, Jan	Sandfjärdsgatan 68 121 69 Johanneshov	08-81 25 35
Ytterberg, Olof	Katrinelundsvägen 2 A 722 19 Västerås	021-16 14 96
Åkerman, Sune	Historia Umeå Universitet 901 87 Umeå	090-16 50 00
Öberg, Sture	Geografiska Inst. Uppsala Universitet Box 554 751 22 Uppsala	018-18 25 46



## 6. Articles

### 6.1. LEGALLY INDUCED ABORTIONS IN DENMARK IN THE 80'es

*Mag.scient.soc. Lisbeth B. Knudsen*  
Danmarks Statistik

During the 1980'es Denmark experienced a steady decrease both in absolute number and rate of legally induced abortions. The decrease has taken place in all age-groups and all regions, except for the metropolitan area.

Among very young women and women in their forties the number of legally induced abortions are two to three times the number of deliveries, but at the same time very few women in these groups become pregnant. Pregnant women in the late twenties and early thirties only chose abortion in every fifth pregnancy.

The mean age at delivery has been increasing and was in 1988 28,1 years. And compared to the beginning of the period it is now more common to get the first pregnancy interrupted.

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#### **Background**

Up till mid of the 1980'es Denmark experienced a continuous fall in the annual number of "known" conceptions, that is deliveries, legally induced abortions and spontaneous abortions resulting in hospital treatment. But the heavy decrease from 107.370 in 1975 to 79.750 in 1983, turned into increasing numbers as well as rates, in 1989 about 61.000 women gave birth, 21.300 had their pregnancy interrupted by a legally induced abortion and 9.000 by a spontaneous abortion.

The number of conceptions per 1000 women in fertile age (15-49 years) is illustrated in figure 1.

The actual incidence of legally induced abortions must be seen as part of this picture.

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#### **Age specific incidence of legally induced abortions**

Since the law on free abortion in Denmark came into force October 1973 there have been both similarities and differences between the age-groups. After the peak in 1975 the incidence has been decreasing in all ages.

Disregarding the spontaneous abortions the overall relative amount of induced has been approx. 30 per cent for the first years of the period. During the latest years this percentage has decreased to 26 per cent.

But this relation and its trend has varied among the 5-years age groups.

Among teenagers only a small proportion get pregnant - less than 5000 a year. But almost three fourth of these pregnancies are interrupted. Thus the incidence

of abortion is low (17.1 per 1000 women 15-19 years in 1989) but compared to the number of pregnancies it is very high.

Only among women above 40 years of age we find a similar proportion (ratio) of interruptions. The ratios among the youngest and the oldest women have been rather constant, as can be seen by comparing figure 2 and 3.

It can also be seen that the increasing birthrate in Denmark is a result of a changing pattern among women especially in the late twenties and early thirties. These women have the highest birthrates in Denmark at the present. As these women often are completing their education, establishing a position in the labour-market and seriously considering permanent partnership and family-building, it is not surprising that a rather large number go through induced abortions.

But when comparing with the number of deliveries it becomes apparent that only 16-17 per cent of the sum of deliveries and induced abortions among women 25-34 years are interrupted (figure 2).

In the latest years the proportion of abortions among these women has decreased - a development which is opposite the trend observed among women in the early twenties. The shape of the curves in figure 3 reflects a postponement of the first child - an increasing mean age at the birth of the first child.

### **Parity distribution**

The notion that women increasingly have their first pregnancy interrupted is supported by the parity distribution of aborting women. In 1989 almost half claimed not to have a child before.

But during the first years with free abortion most of the women (approx. 67 per cent) had children - one fourth had more than two children. These high parity women only constitutes 9 per cent in 1989.

But even if the overall picture shows the common pattern of interrupting a first pregnancy still some regional differences remain. The incidence of induced abortion has been highest - and remaining at a high level - in the capital, Copenhagen. And an average woman in Copenhagen experience already at the age of 25 just as many abortions as a woman in Ringkøbing county does through all of the fertile years, as measured by the total abortion rate. And in 1989 66 per cent of women in Copenhagen had no child before the interruption compared to 48 per cent in Ringkøbing and only 40 per cent in Sønderjylland. The free abortion is of interest for demographers mostly because of its potential impact on the net fertility in a population. From a more sociological point of view the incidence of induced abortion may be interpreted as an indirect measure of the wish to have children and form a family, at least in a country like Denmark where access to contraceptives are cheap and easy.

But the actual knowledge of the social conditions of the aborting women is sparse. Age, parity and county of living can only give hints as to the women's living conditions. Studies performed more than 10 years ago pointed out certain groups of women as being at higher risk of abortion. Namely women outside steady rela-

tionships, perhaps newly divorced and women with a couple of children already.

For the time being there is growing interest in the question of abortion. The Ministry of Health, thus, has announced that projects dealing with the reduction of the number of abortions will be given high priority when distribution of funds are decided upon.

But even before this announcement was made, the discussions on the high number of abortions have started.

In May 1989 we were a group of women, who published a book on the question of abortion. It contained ethical considerations, statistical material and reports from women on the hardships in having an illegal abortion when you are very young. In 1989/90 there was a series of lectures in medicine research by women on abortions. And there has been other initiatives organised by the association of woman doctors and Danish Family Planning Association.

Figure 1

# Conceptions in Denmark, 1980-1989

Per 1,000 women aged 15-49 years

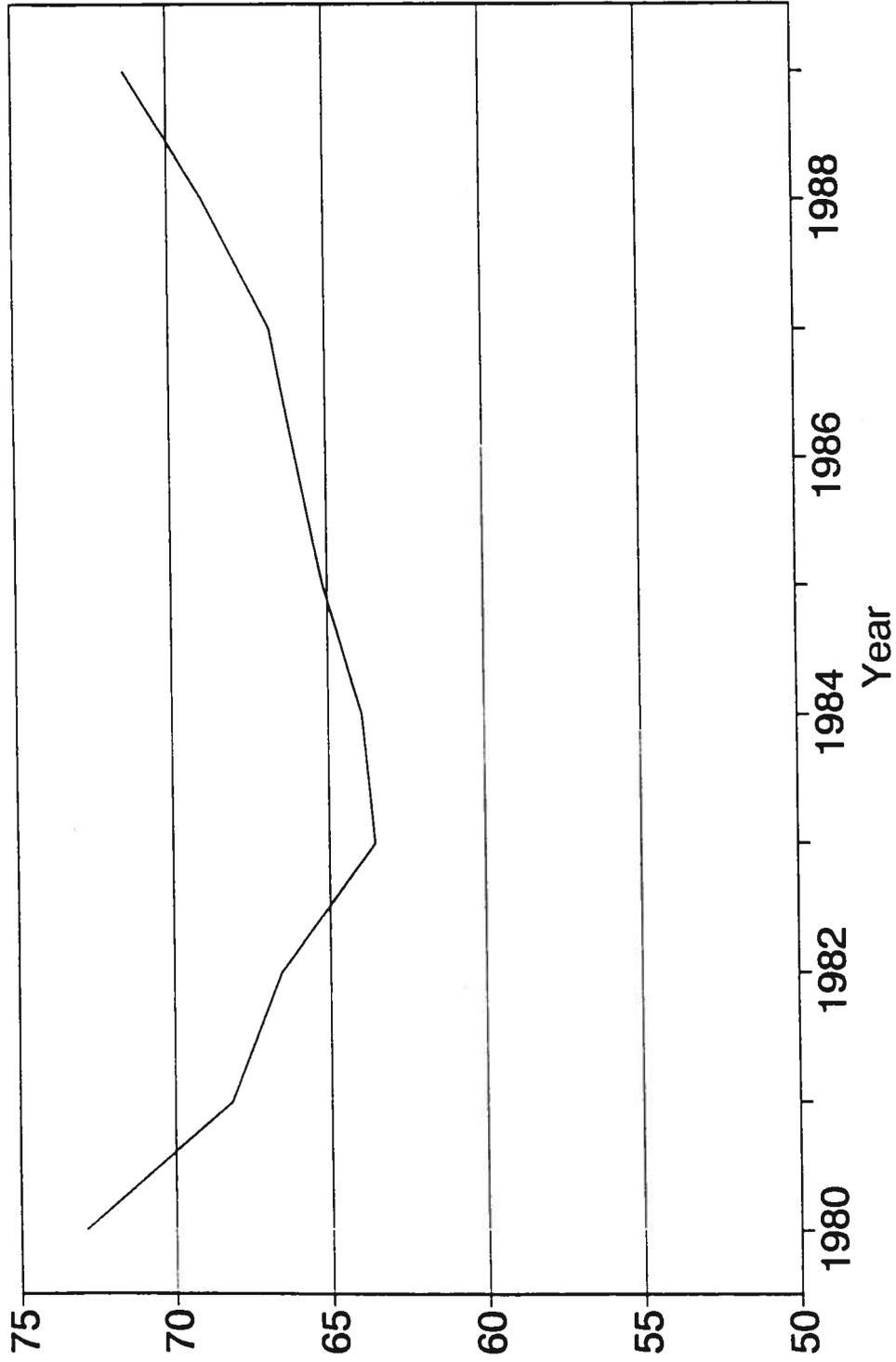


Figure 2

# Legally induced abortions in Denmark

As percentage of births + ind. abortions

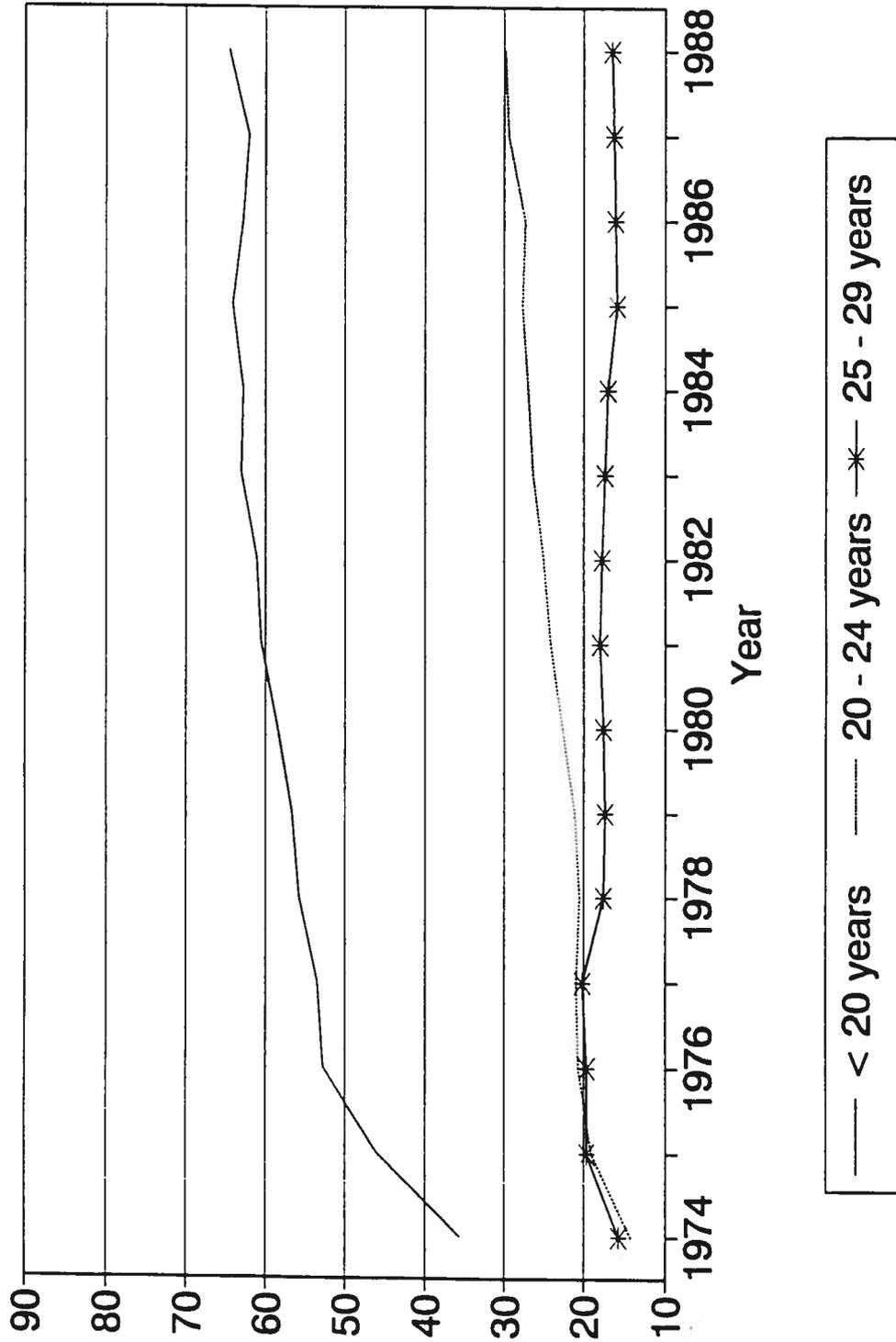
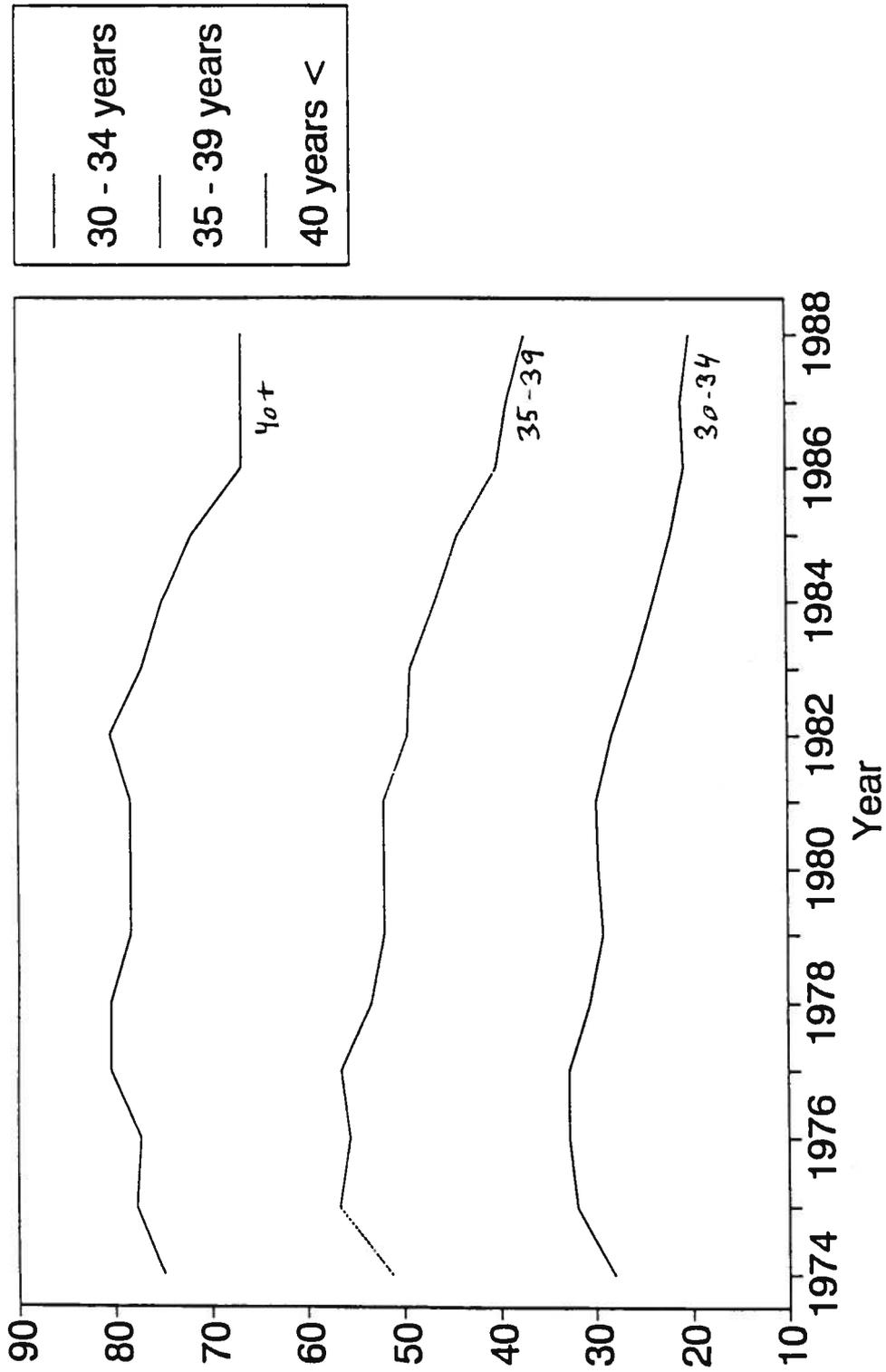


Figure 3

# Legally induced abortions in Denmark

As percentage of births + ind.abortions



## 6.2. NEW BUREAU AND STATISTICS IN GREENLAND

**Kalaallit Nunaanni Naatsorsueqqissaartarfik**, literally 'the very thorough accountant's office' is an institution not yet one year old.

Statistics on Greenland, naturally, is not a recent invention. Since early colony days statistics has been meticulously produced by the Danish state, and still is.

What is news, is the fact that the Home Rule passed a bill last summer that establishes the Greenland Bureau of Statistics as the authorized producer of statistics, and the fact that there is a growing demand for statistical information: After the first turbulent decade of the Home Rule there is a need to evaluate what went right and what went wrong in the proces of taking over the various sectors of the society from Danish administration. The present economic hardship calls for guiding instruments, too.

To be a producer of statistics in Greenland differs a great deal from what I believe my Nordic colleagues experience.

Beginning with the setting, let me explain that you find Kalaallit Nunaanni Naatsorsueqqissaartarfik on the top floor of the Home Rule's administration building, with easy acces to politicians and central bureaucracy.

Our Greenlandic edb-wizard succesfully convinced the head of the office that colorscreened computers were a must. How else would it be possible to divert our attention from the indisputable best views in town? (At this time of the year, spring, the blazing blues and whites makes you think of just how wonderful it would be to snap on your skies for an excursion along the scenic coasts of Godthåb Fjord...) Besides, we're probably spending more time with our IBMs-Made-In-Taiwan than anywhere else, since, we are our own programmers and lay-outers.

The social setting is, among other things, the informality of social relations. I've met more children at work than anywhere else, children on visit or being looked after. The short distances between home and work contribute to the informal relations and explain the fact that we work at odd hours: An empty office Sunday afternoon is a very rare incidence. Also, it is certainly possible to extract an important parcel, e.g. the CPR-tape from Denmark, from the postoffice after closing hours before Easter.

At the same time, Nuuk, with its 12.000 inhabitants, is very unlike most other towns, being subject to a very high mobility:

Each year almost one forth of its population is replaced! The Greenlanders contribute as much to the number of migrations as the Danes. Job mobility is high too; an example: In May 1988 I started my Greenland career on an introduction course with 22 others. Of this group only **four** are back in their original jobs. Some have already returned to Denmark. The mainpart, like myself, has found other jobs.

In Kalaallit Nunaanni Naatsorsueqqissaartarfik, already 3 og the 'permanent' staff of 10 have been replaced.

The consequences of such mobility are tangible.

To ensure continuity obviously becomes a major issue. Technical and professional knowledge must to a certain extent be shared to make us less vulnerable to turnovers. Solid **documentation** is second to none. If you discover that your calculations don't compare to those from last year - what a nuisance that your predecessor is 4000 km away and hasn't got his telephone installed yet. In the worst case it could be necessary to send for the person to fill out the missing pieces - it's just that the ticket costs 12.000 Dkr.

What cannot be documented, however, are all the facts of that fast changing and outlandish country, Greenland.

The newcomer ('fly-fresh' in local terminology) may fail to know, that the dramatic decrease of average income in Qeqertarsuaq is the result of, say, one big trawlerowner's migration to Ilulissat.

The newcomer will be confronted with the problem how to explain that the number of wage earners by far exceeds the entire labor force - in spite of unemployment.

The newcomer may overlook that a change in the unemployment in Qasigiannuit very well could be the result of another newcomer's interpretation of the guidelines for reporting - rather than lack of supplies to the local fish plant.

The newcomer, after having learned to check the spelling of Illoqortoormiut (a municipality of East Greenland), still has to learn that it is more polite to use the Eastern name, Ittoqqortoormiit.

Institutions, except for the few that bear **real handy** names, like Ilisimatusarfik, Pilersuiffik, Atuakkiorfik, are referred to in abbreviation, and if you don't know what KTU, KNAPK, GFI, KNI, SIK, KNR, BSU, EUR, ILIPI, NIS, KIS, NINN, ED, KANUKOKA, KAIP and APK stands for ... tough luck!

Though Danish is spoken and understood widely in Nuuk, the Greenlandic language is definitely a special feature of life. More than once I have found myself in the absurd situation to be proofreading a Greenlandic text. For, sometimes, our statistical products have to be communicated in Greenlandic. In Greenlandic, you have numerals from 1 to 20. An indication of the original cultural inclination to make use of numbers as a source for information. Abstract conceptions are foreign to the language. Therefore, many statistical conceptions are extremely difficult to translate, in fact, they have to be invented.

To me, this calls for some attention and creativity in the use of Danish as well.

Finally, Kalaallit Nunaanni Naatsorsueqqissaartarfik is involved in the ambitious project of the Home Rule Administration, to educate local employees for more qualified positions. Consequently, our secretary-administrator-accountant-ad-hoc-interpreter is for more than half of the time attending courses. Courses, where our office, by the way, are supplying some of the teachers too.

Fortunately, time is of another dimension in Greenland.

Birgitte Liebach, Nuuk, April 1990

## **7. Announcement**

Preliminary program for the Tenth Nordic Demographic Symposium  
Lund, August 12-14, 1992.

### **Plenary-sessions**

#### **Opening session**

Development in the number of births in the Nordic countries.

Total number of births, births by birth order, and by marital status of mother.

Development in households, single, cohabiting and married.

Development in the number of marriages and divorces.

#### **Closing session**

The growth in number of old people and the pensionsystem in the Nordic countries.

### **Parallel sessions**

#### **1. The dynamics of the family**

- a. Family building and childbirths.
- b. The lifestyles of families, the demographic aspects of female labor force participation, the division of household work, the use of public measures to support families with children.
- c. Dissolution of households. Factors determining the dissolution of households and families, the psychological and demographic consequences for the upbringing of children.
- d. Historic analysis of births and marriages.

#### **2. The demography of education**

Incl. education as a determining factor for the dynamics of the labour-market and the family.

#### **3. The demography of economy**

Incl. the economy of families with children and other aspects concerning the family, transfer between generations.

#### **4. Health, healthcare and mortality**

- a. Health in a historic perspective
- b. The development in mortality in a historic perspective
- c. Health and mortality in the modern societies.

**5. Migration in the Nordic countries today**

- a. New patterns of migration and regional patterns of settlement
- b. Demography of immigrants

**6. Modern registers of data**

The potentials for analysis. The advantages and disadvantages of registers and surveys.

**7. Prognosis and the methodology of prognosis**

Prognosis of demographic variables. Prognosis at national, regional and local levels.

**8. New methods of analysis**

Error of sampling and other errors, unobserved heterogeneity, compensation for dependent collection of data.

**9. The development of the population in the Baltic countries****10. The demography of the developing countries****Exhibitions and demonstrations**

- a. modern registers of data and their techniques
- b. historical databases
- c. books and reports.