Lectures at international conferences and foreign universities.

A. Invited papers at international conferences:


*Stopping rules and incomplete information in estimation theory for stochastic processes.* 11th European Meeting of Statisticians, Oslo, Norway, August 1978.

*Some theory and examples of statistical inference for counting processes and survival data.* Meeting of Dutch statisticians, Lunteren, Holland, November 1979.

*Applications of statistical analysis of counting processes and survival data.* Tagung Medizinische Statistik, Oberwolfach, Germany, February 1980.


*Examples of statistical models based on counting processes.* Meeting between Danish and French statisticians, Luminy, Marseille, January 1984.


*Standardized mortality ratio and statistical analysis: Historical perspective.* Biometric Society, Nordic Region, Riistina, Finland, September 1985.


*Left truncation, the Aalen filter, and the epidemiological information in a cross-sectional sample.* 2nd meeting of Danish and French statisticians, Sandbjerg, April 1986.


Estimation of age specific incidence from cross-sectional data. Special Invited Paper, IMS, Baltimore, April 1990.


Graphical chain models for panel studies with terminal events, illustrated on Framingham data. Workshop on Statistical Association Models, Wiesbaden, Germany, September 1992.

Correction for measurement error. 4th Meeting on Nutritional Epidemiology, WHO and Bundesgesundheitsamt, Berlin, Germany, October 1992.


Remarkable historical contributions to survival analysis. Interregional Meeting of the German and Netherlands Region of the International Biometric Society, Münster, Germany, March 1994.


Frailty models - their role in describing heterogeneity due to omitted covariates. Workshop on Statistical Methods for Incomplete Covariate Data in Clinical and Epidemiological Studies, Universität Freiburg, Germany, February 1995.


Recent applications of survival analysis in epidemiology. 50th Session of the International Statistical Institute, Beijing, August 1995.

Decrease in semen quality over the last 50 years. Meeting of Austrian-Swiss Region of the International Biometric Society, Rapperswil, Schweiz, September 1995.


Some model selection issues in contemporary biostatistics. AMS-SIAM-IMS Joint Summer Research Conference on Adaptive Selection of Models and Statistical Procedures, Mt Holyoke College, South Hadley, Massachusetts, USA, June 1996.

Survival synthesis and other tools for correcting for time-dependent confounders in observational studies. 16 Nordic Conference on Mathematical Statistics, Lahti, Finland, August 1996.

The Cox regression model for survival data in non-life insurance. Description of claim occurrence and possibilities for experience-based individual tariffing. XXVII ASTIN Symposium, Copenhagen, September 1996.

Nonparametric estimation of distribution of time between repeated events under different sampling frames. Workshop on Statistical Modelling of Discrete Data and Structures, München, Germany, October 1996.


Multistate models and survival synthesis. Workshop in Medical Statistics, Chalmers University of Technology and University of Göteborg, Sweden, April 1997.

Use time to help draw inferences in observational epidemiology. Inferential problems in the analysis of treatment effects, Santa Fe Institute, Santa Fe, USA, July 1997.

Decline of semen quality during the last 50 years and possible links with environmental chemicals. SPRUCE IV, Enschede, Holland, September 1997.


The role of frailty models and accelerated failure time models in describing heterogeneity due to omitted covariates. Workshop on Event History Analysis, Montréal, Canada, May 1998.

Nonparametric estimation of distributions of time between repeated events under different sampling schemes. Workshop on Event History Analysis, Montréal, Canada, May 1998.


Presentation and discussion of the Faeroe Islands studies on issues relevant to the 8 questions. Workshop on Scientific Issues Relevant to Assessment of Health Effects from Exposure to Methylmercury, Raleigh, USA, November 1998.

Selection effects and nonproportional hazards in survival models and models for repeated events. IBC Conference, Cape Town, South Africa, December 1998.


Beyond recursive graphical models for panel studies. HSSS Workshop: Data analysis with graphical models, München Universität, Germany, March 2000.


Analysing time-to-pregnancy data. 14 SINAPE, Caxambu, Brazil, July 2000.


Current issues in prediction in event history analysis. Workshop on Causal Inference, Gent, Belgium, June 2001.


Model selection in confounder control: why and how? Workshop on Current Topics in Epidemiology, Copenhagen, Denmark, September 2001.

Sampling frames in event history analysis. 9th Annual Meeting of the Belgian Statistical Society, Oostende, Belgium, October 2001.


Sampling frames in survival analysis. First Barcelona workshop on survival analysis, Barcelona, Spain, June 2002.


Multiple testing issues in environmental epidemiology. 2nd Copenhagen workshop on endocrine disruptors, Copenhagen, Denmark, December 2002.


Survival analysis of ALL results with emphasis on recent data: Period analysis. Nordic Society of Pediatric Haematology and Oncology, Umeå, Sweden, May 2003.


Measures of explained variation and predictive accuracy for competing risks models. Workshop in Honour of Marvin Zelen, Bordeaux, France, September 2003.


Two practical problems in survival analysis of leukaemia studies: Comparison of BMT and conservative treatment; Period analysis: emphasis on recent data. Tandem BMT Meetings, Keystone (Colorado), USA, February 2005.

Statistics for life: what are the statistical ideas that matter most and why? 55th Session of the ISI, Sydney, Australia, April 2005.


Clare Weinberg’s pitfall. Seminar organised by Centre for Advanced Study, Moss, Norway, January 2006.


Design and analysis of time-to-pregnancy, ISCB27, Genève, Switzerland, August 2006.

Parameter interpretation in multilevel models, Danish Epidemiological Society, Hindsgavl, Denmark, September 2006.

Mortality of Danish women, International Alliance of Research Universities seminar, University of Copenhagen, October 2006.


Statistics: melancholy, optimism, the future. 56th Session of the ISI, Lisbon, Portugal, August 2007.

Advances in life history events analysis in epidemiology and fertility studies. Symposium on The Demography of Europe in honour of Professor Jan M. Hoem, Max Planck Institute of Demographic Research, Rostock, Germany, November 2007.

Medical statistics: the dialogue, 25th anniversary of Department of Biostatistics, University of Oslo, Norway, November 2007.


The three descriptive probabilities in competing risks analysis. President’s invited paper, 29th Meeting of the International Society for Clinical Biostatistics, Copenhagen, August 2008.

The Spanish flu in Denmark 1918: three contrasting approaches. DIMACS/ECDC Workshop, Tübingen, Germany, October 2008.

Rates of births and induced abortions in Denmark according to age, previous births, and previous abortions. 57th Session of the International Statistical Institute, Durban, South Africa, August 2009 (via e-link).

The role of study design in the evaluation of health effects of postmenopausal hormone therapy. Workshop on causal modelling, Oslo, Norway, September 2009.

Age-period-cohort analysis in the 1870s: Diagrams, stereograms and the basic differential equation. Symposium in honour of J.D. Kalbfleisch and J.F. Lawless, University of Waterloo, Canada, May 2010.

Analysis of time-to-pregnancy from current duration data. Annual meeting of the Statistical Society of Canada, Quebec City, May 2010.


Estimation of a survival distribution from observations of the backward recurrence time, with application to time-to-pregnancy. 5th International Conference on Soft Methods in Probability and Statistics. Oviedo, Spain, September 2010.


Estimation in illness-death models with all transitions interval-censored, 25th International Biometric Conference in Florianópolis, Brazil, December 2010.

Standardization vs. modelling for confounder control in observational studies: a historical perspective. Danish Epidemiological Society, Aarhus, Denmark, April 2011.


The current duration (backward recurrence time) approach to estimating the distribution of time to pregnancy. Applied Statistics 2011. Ribno (Bled), Slovenia, September 2011.
The current duration approach to estimating the distribution of time to pregnancy and

Standardization vs. modelling for confounder control in observational studies: a historical perspective.

40th Stochastics Meeting. Lunteren, Holland, November 2011.

Goodness-of-fit of the statistical models used in the current duration approach and

Prevalent cohort study - use of the follow-up data in ObsEFF.


Multiple comparisons in DAISY. Meeting of MEthods for LOngitudinal studies in DEMentia (MELODEM), Paris, May 2013.

Prevalent cohort study - use of follow-up data in ObsEff. Annual Meeting of ObsEff. St Francois-de-Sales, France, June 2013.


B. Invited papers and courses at foreign universities etc. (incomplete until 1978)


Eksempler på anvendt-statistiske projekter ved Statistisk Forskningsenhed. Matematisk Institut, Universitetet i Oslo, August 1983.


“Statistical Research Unit”. Warszawa, Poland, April 1985.

Analysis of a clinical trial on liver cirrhosis. Warszawa, Poland, April 1985.

Epidemiological studies of diabetes mellitus in Denmark. Warszawa, Poland, April 1985.


Interaction between life history events. Humboldt-Universität, Berlin, Germany, June 1985.


Statistical models for relative mortality then and now. Department of Statistics, Oregon State University, Corvallis, January 1986.

Statistical models for relative mortality then and now. Department of Biostatistics, University of Washington, Seattle, January 1986.

The epidemiological information in a cross-sectional sample. Department of Biostatistics, University of Washington, Seattle, January 1986.


Left truncation: Theory and application to survival analysis and epidemiology. La Trobe University, Bundoora, Victoria, September 1987.


Statistical methods for the analysis of life history data. 4 lectures at a Workshop arranged by Medical Sciences Section, Statistical Society of Australia, Canberra, May 1988.


The epidemiological information in a cross-sectional sample. MRC Biostatistics Unit, Cambridge, January 1989.


Estimation of age specific incidence from cross-sectional data. Department of Mathematics, The University of Western Australia, November 1989.


Estimation of the size distribution of fibrillar centres in nucleoli - an example of the ``Swiss cheese'' problem in stereology. Department of Mathematics, The University of Western Australia, December 1989.

Estimation of age specific incidence from cross-sectional data. Department of Statistics, The Ohio State University, Columbus, April 1990.

Kalendertid og alder - statistisk analyse i Lexis diagram. Matematisk Institut, Universitetet i Oslo, May 1990.

Nonparametric estimation of age-dependent incidence rates of infectious diseases with life-long immunity, illustrated by cross-sectional data on rubella in Austria. Technische Universität Wien, November 1990.


New and old applications of statistical survival analysis in medicine and epidemiology. The Ohio State University, Columbus, U.S.A., May 1991.


Frailty. Course on survival analysis, Italian Region of International Biometric Society, Gargnano, Italy, September 1995.


Multistate models and dynamic probabilistic causality. Université Catholique de Louvain-La-Neuve, Belgium, March 1996.

Recent Applications of Survival Analysis to Epidemiology. De Rol van Biostatistiek in Medisch Onderzoek, Rotterdam, Holland, November 1996.

Event history analysis and inference from observational epidemiology. Department of Statistics and Actuarial Science, University of Waterloo, Canada, March 1998.

Nonparametric estimation of time between repeated events under different sampling frames. Department of Statistics and Actuarial Science, University of Waterloo, Canada, March 1998.

Event history analysis and inference from observational epidemiology. Departments of Biostatistics and Epidemiology, Harvard School of Public Health, USA, March 1998.

Nonparametric estimation of time between repeated events under different sampling frames. Department of Biostatistics and International Bone Marrow Transplant Registry, Medical College of Wisconsin, Milwaukee, USA, March 1998.

3 lectures at Atelier de formation 100: Workshop on Multi-state models in epidemiology. INSERM, Le Vésinet, France, June 1998.

Selection effects and nonproportional hazards in survival models and models for repeated events. Department of Statistics, North Carolina State University, USA, November 1998.

Inference from observational epidemiology: Beyond multistate models. Institut für Statistik, Universität München, Germany, January 1999.


Event history analysis and inference from observational epidemiology. Instituto di statistica medical e biometria, Università degli studi di Milano, Italy, February 1999.
Delayed entry of primary survivors in confirmatory analysis of an incidental finding at an interim analysis. Università vita-salute San Raffaele, Milano, Italy, February 1999.


6 lectures on survival analysis. 3e Cycle romand de statistique et probabilités appliquées Séminaire de printemps, Champéry (VS), Schweiz, March 2001.


Event history analysis and the cross-section. Lunds Tekniska Högskola, Sweden, April 2002.

Event history analysis and the cross-section. Division of Biostatistics and Bioinformatics, National Health Research Institute, Taipei, Taiwan, October 2002.


Intermediate variables and prediction. National Taiwan University, School of Public Health, Taipei, Taiwan, October 2002.

Age-period-cohort models in demography. Statistical Institute, Umeå University, Sweden, May 2003.


Prevalent cohorts, Division of Biostatistics, Medical College of Wisconsin, Milwaukee, U.S.A., February 2005.


Age-period-cohort models, Institute of Public Health, University of Southern Denmark, June 2005.

Time-dependent confounders. Department of Biostatistics, University of Aarhus, Denmark, June 2005.


Event history analysis and the cross-section. Institut für Medizinische Biometrie und Medizinische Informatik, Universität Freiburg, Germany, April 2008.


Design and analysis of time-to-pregnancy studies. Department of Medical Epidemiology and Biostatistics, Karolinska institutet, Stockholm, Sweden, February 2009.

Event history analysis and the cross-section. Department of Statistics, University of Chicago, USA.


Analysis of time-to-pregnancy. MRC Centre for Causal Analyses in Translational Epidemiology. Department of Social Medicine, University of Bristol, England, November 2009.

Estimating time-to-pregnancy from current duration data, Fred Hutchinson Cancer Research Center, Seattle, WA, USA, October 2010.

The Norman E. Breslow lecture: "Standardization vs. modelling for confounder control in observational studies: a historical perspective". Department of Biostatistics, University of Washington, Seattle, October 2010.
The current duration approach to estimating the distribution of time to pregnancy, with application to ObsEff: the Observatory of Fecundity in France. Université Paris-Descartes, Paris, France, September 2011.

The current duration (backward recurrence time) approach to estimating time to pregnancy. CREATES, Department of Economics, Aarhus University, Aarhus, Denmark, October 2011.

Measurement uncertainty in the exposure variable: classical error and Berkson-error. Department of Occupational and Environmental Medicine, Bispebjerg Hospital, Copenhagen, December 2011.


Aspects of analysis of cluster randomized community intervention trials. Centre for Intervention Research, Køge, Denmark, October 2012.

Design and analysis of time to pregnancy. DTU-COMPUTE, Nødebo, Denmark, January 2013.


Standardization and control for confounding in observational studies: a historical perspective. Seminar in Applied Statistics, Department of Biostatistics, University of Copenhagen, March 2013.

C. Invited discussion contributions at international conferences.

Multiple decision theory. 5th Nordic Conference on Mathematical Statistics, June 1973.


Statistical methods in epidemiology; Forum lectures by N.E. Breslow. 16th European Meeting of Statisticians, Marburg, September 1984.


Diabetes epidemiology. 8th Steno Symposium “Epidemiology as a tool in the study of insulin dependent diabetes mellitus”, Vedbæk, May 1986.


Bayesian methods in biostatistics. 20th European Meeting of Statisticians, Bath, September 1992.

Drug surveillance. 49th Session of International Statistical Institute, Firenze, August 1993.

Infectious disease epidemiology. 50th Session of International Statistical Institute, Beijing, August 1995.

Invited discussion at 50 year celebration session. The XVIIIth International Biometric Conference, Amsterdam, Holland, July 1996

Round Table on “Epidemiological approaches”. INSERM – Philippe Laudat Conference on Environmental impact on male reproductive function, Aix-les-Bains, Frankrig, November 1996.

Statistics and the assessment of causality. 52nd session of International Statistical Institute, Helsinki, Finland, August 1999.


Contribution to Panel Discussion on Conflict of interest concerns in biostatistical work, 23rd International Biometric Conference, Montreal, Canada, July 2006.


Contribution to Panel Discussion on Conflict of Interest Concerns in Medical Statistics, Joint Statistical Meetings, Salt Lake City, Utah, USA, August 2007.


D. Contributed papers at international conferences (incomplete until 1979).

Asymptotic properties of Bayesian decision rules for two terminal decisions and multiple sampling. Institute of Mathematical Statistics, Meeting of the European Region, Hannover, August 1970.

Maximum likelihood estimation of the size distribution of liver cell nuclei from the observed distribution in a plane section. Third International Congress for Stereology, Bern, August 1971.


Circadian variation in the cell kinetics of the S-phase in the hamster cheek pouch epithelium. XIth Meeting, European Study Group for Cell Proliferation, Aarhus, May 1981.

Circadian variation in influx and transition intensities in the S-phase in the hamster cheek pouch epithelium cells. 14th European Meeting of Statisticians, Wroclaw, Poland, September 1981.


Retrospective calculation of diabetes incidence from information in a current prevalent population and historical mortality. 46 Session of International Statistical Institute, Tokyo, September 1987.


Random censoring and coarsening at random. 49th Session of International Statistical Institute, Firenze, Italy, August 1993.

Accelerated failure times vs. proportional hazards for describing residual heterogeneity. The XVIIIth International Biometric Conference, Amsterdam, Holland, July 1996.

Beyond prediction: the exposure/confounder distinction in epidemiology (with E. Budtz-Jørgensen). Workshop on prediction, Nor-Fa Network on Biostatistics, Odense, February 1999.


Age-period-cohort analysis in the 1870s. 53rd session of ISI, Seoul, South Korea, August 2001.


Age-period-cohort modelling of the mortality of Danish women. 54th Session of ISI, Berlin, Germany, August 2003.

Estimation of the time between repeated events under different sampling patterns. 58th ISI World Statistics Congress, Dublin, August 2011.

Censoring and competing risks problems in the current duration approach to monitoring time to pregnancy. International Biometric Conference. Kobe, Japan, August 2012.