

CV

Academic educations

1981-84 Certified midwife from the Danish School of Midwifery, Aalborg.

1998-99 Supplementary Program for the Masters Program in Health Sciences, Aarhus University

1999-2001 Master of Health Sciences (MHSc), Aarhus University

Academic research degrees

2005 PhD in Medicine at the Faculty of Health Sciences, Aarhus University: 'Obesity in pregnancy. Epidemiological studies based on the Danish National Birth Cohort'.

http://person.au.dk/fil/11139038/Obesity_in_pregnancy_Thesis_Nohr_EA_2005

Positions

1984-85 Certified midwife, Ribe County.

1985-2001 Certified midwife, North Jutland County.

2001 Research assistant, Danish Epidemiology Science Centre, Institute of Public Health, Aarhus University (part time).

2001 Research assistant, the Nordic Cochrane Centre, Copenhagen (part time).

2001 Evaluator of a smoking cessation program aimed at pregnant women, Department for Health Promotion, North Jutland County (part time).

2002-06 Research assistant, Danish Epidemiology Science Centre, Institute of Public Health, Aarhus University. Carried out PhD-study.

2006-09 Assistant Professor, Department of Epidemiology, Institute of Public Health, Aarhus University.

2008-09 Consultant for the IOM committee established to revise the American guidelines for weight gain in pregnancy.

2009-13 Associate Professor, Department of Epidemiology, Institute of Public Health, Aarhus University.

2010-12 Director of Studies, the Masters Program in Health Sciences, Aarhus University.

2013- Professor of Midwifery Science and Reproductive Epidemiology, University of Southern Denmark and Odense University Hospital.

2013- Adjunct Professor, University of Technology Sydney (UTS), Faculty of Health.

2014- Adjunct Professor, University of Tasmania, School of Health Sciences

2014- Adjunct Professor, Aarhus University, Faculty of Health

Major research activities and partnerships

2006- Part of the coordination of the DNBC database, localized at the Institute of Public Health, University of Aarhus.

2006- Co-leader of the Obesity Group in the Danish National Birth Cohort.

2006- Partner in the Danish Obesity Research Centre (DANORC).

2007-09 Member of the planning group of the 11-year follow-up in the DNBC

2007- Danish co-PI in the international research project GOYA (Genomics of Obesity in Young Adults). Responsible for Danish applications and phenotype data of the women.

2007- Member of the leading group and the Steering Board of the 'Aarhus Birth Cohort Biobank'. Involved in the Aarhus Birth Cohort and the revision of the data collection.

2009- Partner in the English research project 'Genome-wide association study of maternal pregnancy phenotypes and

later-life maternal and offspring vascular metabolic phenotypes’.

2009- Partner in the intervention study ‘Mental training and childbirth’.

2010- Partner in the Danish research project GENDINO (gene-diet interactions in obesity) funded by the Danish Council for Strategic Research.

2010- Partner in the Danish research project FETOTOX (Mother –fetus exposure to environmental toxicants and abnormal development) funded by the Danish Council for Strategic Research.

2010- Partner in the DANO-RUN study (Danish Novice Running Project).

2010- Partner in the EGG Consortium (Early Growth Genetics)

2011- Partner in the EAGLE Consortium (Early Genetics and Lifecourse Epidemiology)

2011- Partner in the intervention study ‘Mental training in workers on long term sick leave’, Psychiatric Research Unit, Regional Hospital Herning.

2012- Partner in the CARTA Consortium (Causal Analysis Research in Tobacco and Alcohol)

2013- Member of the leading group of the Danish National Birth Cohort

Research management

2006- Leader of the research program ‘Health in obese women after pregnancy’ which is part of the Obesity Group within DNBC. Includes 1 PhD-student and a postdoc.

2008- Leader of a Maternal Follow-up in the Danish National Birth Cohort.

2009 Research Management Course, 3 modules of 3 days. Copenhagen Business School.

2012- Leader of the web-based questionnaire follow-up of 92,000 mothers in the Danish National Birth Cohort.

2013- Research leader of Midwifery, Odense University Hospital

Publications

(pubMed: Nohr EA or Aagaard Nohr E)

In English: 111 original peer-reviewed articles, 3 reviews, 1 letter, 2 invited commentaries, 4 book chapters, 1 PhD thesis.

In Danish: 5 articles, 2 reports, 2 letters.

H-index 24 & 2218 citations (Web of Science, Jan. 2016).

International research collaboration

Of major importance are:

- Kathleen R Rasmussen, Professor and Chair of the IOM committee to revise the American Guidelines for gestational weight gain, Division of Nutritional Sciences, Cornell University, USA. *Collaboration on maternal obesity and gestational weight gain: Short- and long-term consequences for mother and child. Mutual exchange of PhD and master students.*

- Professor George Davey Smith and his research group at MRC CaTE Centre, School of Social and Community Medicine. University of Bristol, UK. *Active research collaboration in genetic epidemiology based on the GOYA GWA-study nested in the Danish National Birth Cohort.*

- Associate Professor Janet M Catov, Department of Obstetrics, Gynecology & Reproductive Sciences, Magee-Womens Hospital & University of Pittsburgh, USA. *Ongoing collaboration on the impact of peri-conceptual intake of multivitamins.*

- Associate Professor Elizabeth Cummings, Midwife, School of Nursing and Midwifery, University of Tasmania. Yearly mutual visits since 2011. *Exchange of master students. Adjunct Professor at University of Tasmania 2014.*

- Professor and midwife Maralyn Foureur, Centre for Midwifery, Child and Family Health, Faculty of Health, University of Technology Sydney (UTS), Australia. *Yearly mutual visits since 2012. Research collaboration on Birth Unit Design and Caseload Midwifery. Adjunct Professor at UTS 2013.*

- Professor and midwife Deborah Davis, Professor of Midwifery and Clinical Chair, ACT Health Directorate and University of Canberra, Australia. *Mutual visits in 2013, 2015 & 2016. Research collaboration on long-term weight changes in women & interventions studies on gestational weight gain.*

Research funding, last 5 years

Applicant or co-applicant/partner on the following research grants:

2008-11 The Wellcome Trust: 1,000,000 £ (UK) for the project 'Genomics of Obesity in Young Adults'. PI: Professor George Davey Smith.

2010-12 Nordea Foundation: 1,500,000 DKK for the project 'Mental training in childbirth'. PI: PhD-student Anette Werner (supervisor).

2010-11 VIBAB Foundation: 563,000 DKK for the project 'Mental training in childbirth'. PI: PhD-student Anette Werner (supervisor).

2010-12 The Danish Council for Independent Research: 2,488,320 DKK for the project 'The Aarhus Birth Cohort Databank'. PI: Professor Tine Brink Henriksen

2010-14 The Danish Council for Independent Research: 3,999,493 DKK for the project 'The Danish National Birth Cohort: An extension to further study disease programming'. PI: Professor Jørn Olsen

2010-14 Danish Council for Strategic Research: 24,145,493 DKK for the project GENDINO (gene-diet interactions in obesity). PI: Professor Thorkild IA Sørensen.

2011-14 The Faculty of Health, Aarhus University: A full PhD-stipend for the project 'Health in obese women after pregnancy'. PhD-student Helene Kirkegaard.

2011-15 Danish Council for Strategic Research: 21,969,059 DKK for the project FETOTOX (Mother –fetus exposure to environmental toxicants and abnormal development). PI: Professor Eva Bonefeld-Jørgensen.

2015- Bill & Melinda Gates Foundation. 1.761.160,42 DKK for the project 'Modelling growth curves for optimal cognitive development: Using the Danish National Birth Cohort as reference population'. PI: Professor Ellen Aagaard Nøhr.

2015- The Internationalization Trust, Odense University Hospital: 300,000 DKK for research collaboration with Professor Maralyn Foureur.

Scientific meetings and conferences

Since 1998, I have planned, participated in and/or lectured at numerous national meetings within reproductive epidemiology, epidemiology, midwifery, and obstetrics & gynaecology.

I have participated in many international scientific meetings and conferences in the fields of reproductive epidemiology, epidemiology, obesity, and obstetrics & gynecology. Below are only listed meetings where I have been chairman or invited speaker.

International meetings as invited speaker or chairman

- Meeting at the Consultative Council on Obstetric and Paediatric Mortality and Morbidity in Melbourne, Victoria. Nov 2003. Invited speaker on 'Pregnancy obesity and fetal death'.

- The Weekly Seminar at Department of Obstetrics and Gynaecology, University of Adelaide, Australia. Dec 2003. Invited speaker on 'Pregnancy obesity and fetal death'.

- Seminar at Centre for the Study of Mothers' & Children's Health, Melbourne, Australia. Jan 2004. Invited speaker on 'Pregnancy obesity and fetal death'.

- Meeting at Mater Research Support Centre and Centre for Clinical Studies', Brisbane, Australia. Jan 2004. Invited speaker on 'Prepregnancy obesity and fetal death'.
- The IOM Workshop on the implications of weight gain for pregnancy outcomes. The Keck Center of the National Academies. Washington, USA. June 2008. Invited speaker on 'Does weight gain matter? Combined associations of prepregnancy BMI and gestational weight gain with the outcome of pregnancy'.
- Seminar in the research collaboration 'Genes in Obesity in Young Adults (GOYA)', London, UK. July 2008. Invited speaker on 'The GOYA Female Sample. About the Danish National Birth Cohort & sample description'.
- International video conference arranged by The Institute of Medicine Pregnancy Weight Guidelines Committee, Washington, USA. August 2008. Invited speaker on 'Consequences of Gestational Weight Gain. Outcomes for the Mother and Child'.
- CAiTE Seminar, Bristol University, UK. Feb 2009. Invited speaker on 'Weight gain in pregnancy. Does it matter?'
- The American Diabetes Association (ADA) 69th Scientific Sessions, New Orleans, USA. June 2009. Invited speaker on 'Risks associated with gestational weight gain. Outcomes for the mother and child'.
- Svensk Förening för Obstetrik och Gynekologi (SFOG) Veckan, Norrköping, Sverige. Aug 2009. Invited speaker on 'Gestational weight gain and the outcomes of pregnancy'.
- Seminar at the School of Public Health, University of California, Berkeley, USA. Oct 2009. Invited speaker on 'Gestational weight gain and the outcome of pregnancy. How does the trade-off between mother and child differ according to BMI and parity?'
- Research Seminar in Reproductive, Perinatal, and Pediatric Epidemiology, Pittsburgh University, USA. Nov 2009. Invited speaker on 'Gestational weight gain and the outcome of pregnancy. How does the trade-off between mother and child differ according to BMI and parity?'
- Works-in-Progress Seminar, Obstetrics, Gynecology and Reproductive Sciences, Magee Womens Hospital, Pittsburgh, USA. Nov 2009. Invited speaker on 'Gestational weight gain and the outcome of pregnancy. How does the trade-off between mother and child differ according to BMI and parity?'
- Joint Eagle & Birth Cohorts Consortium Workshop. Norwegian Institute of Public Health, Oslo, Norway. June 2010. Invited speaker on 'Selection bias. Studies based on the Danish National Birth Cohort'.
- Latin American Congress of Obstetricians and Gynecologists, Managua, Nicaragua. Sept 2011. Invited speaker on 'Weight gain during pregnancy. Adverse outcomes for mother and child'.
- European Congress of Obesity (ECO), Lyon, France. May 2012. Chairman and invited speaker on 'Obesity in pregnancy. Outcomes in the mother and child' and chairman on the session 'Obesity and Reproductive Health'.
- European Congress of Epidemiology, Porto, Portugal. Sep 2012. Chairman on the session 'Perinatal and Child Health I'.
- Nordic Conference in Obstetrics and Gynaecology (NOCOGO), Billund, Denmark. Oct. 2012. Invited speaker on 'Gestational weight gain and the outcome of pregnancy. What is the evidence for the guidelines?' Chairman on the session 'Intervention and prevention in pregnancy'.
- DOHaD Satellite Meeting (Developmental Origins of health and Disease), Rotterdam, Holland. Dec. 2012. Invited speaker on 'Bias due to non-response and loss to follow-up. Studies based on the Danish National Birth Cohort'.
- Nordic Expert Meeting on 'Responsible Data Sharing Across Borders' arranged by NordForsk, Stockholm, Sweden. March 5 2013. Invited participant in the panel 'Data Inspection Board Perspective'.
- Seminar at the Maternal and Perinatal Epidemiology Research Unit, Institute of Health & Society, Newcastle University, UK. March 21 2013. Invited speaker on 'Obesity and weight gain in pregnancy: Epidemiological studies based on the Danish National Birth Cohort'.
- European Congress of Epidemiology, Aarhus, Denmark. August 11-13. Precongress Course in Reproductive Epidemiology (3 sessions) and chairman on the session 'Risk factors during pregnancy and Child Health'.

- Nordic Epidemiological Meeting, Aarhus, Denmark. August 14 2013. Chairman of the plenary session.
- World Congress in Obesity, Kuala Lumpur, Malaysia. March 2014. Invited speaker on 'Is intervening in pregnancy even too late?'
- Regional Postgraduate Obstetric and Gynaecological Meeting, The University of Nottingham, UK. June 18 2014. Invited speaker on 'Hypnotherapy Trials' and 'Maternal obesity & fetal and infant death'.
- De 27. Norske Perinataldager, Hurtigruta, Norway. Nov 11-13 2014. Invited speaker on 'Clinical Midwifery research in Denmark' and 'What is the evidence for intervening on weight gain in pregnancy?'
- CARE4 Congress, Antwerp, Belgium. Feb 4-6 2015. Invited speaker on 'Midwives in academic educations and research. Experiences from Scandinavia'. Chairman of the midwifery session.
- Seminar at Child and Family Health Faculty, University of Technology Sydney, Australia. April 2015. Invited speaker on 'Linking public registers for research - experiences from the land of milk and honey'.
- Seminar at School of Health Sciences, Faculty of Health, University of Tasmania, Australia. April 2015. Invited speaker on 'Midwives in academic educations and research. Experiences from Scandinavia'.
- Nordic Conference in Obstetrics and Gynaecology (NOCOGO), Hindsgavl, Denmark. Aug. 2015. Invited speaker on 'Long-term consequences of maternal obesity: Epidemiological studies based on the Danish National Birth Cohort.' Chairman of the plenary session.

Activities in the Danish Epidemiological Society

- 2007- Board member, the Danish Epidemiological Society
- 2008-11 Treasurer, the Danish Epidemiological Society
- 2011-13 President, the Danish Epidemiological Society
- 2011-13 Member of the scientific committee and the local organizing committee for the European Congress in Epidemiology, Aarhus 2013.
- 2012-13 Chair of the Scientific Committee for the Nordic Congress in Epidemiology, Aarhus 2013.

Activities in other professional and scientific societies

- 1981- Member, the Danish Association for Midwives.
- 1996 Inter-disciplinary project group, Aalborg Sygehus: Pain relief during labor.
- 1996 Inter-disciplinary project group, Aalborg Sygehus: Improvement of the collaboration between Intensive Care/Anesthesiology and the Birth Department.
- 1997-98 Inter-disciplinary project group, Aalborg Sygehus: Procedures and guidelines in obstetrics.
- 1998- Member, the National Network for Midwives in Research.
- 1999-2000 Working committee planning interventions to restrict obesity, North Jutland County.
- 2001- Member, the Danish Epidemiological Society.
- 2001- Active in the Danish Network for Reproductive Epidemiologists.
- 2002- Participate in the annual Sandbjerg meetings under DSOG – a national meeting for obstetricians developing and evaluating evidence-based guidelines.
- 2006-08 Member of the Sandbjerg Guideline working group 'Foetus Magnus Suspicio'.
- 2010-11 Member of the Sandbjerg Guideline working group 'Overweight in pregnancy'.
- 2004-06 Working committee within WHO to facilitate 'Long Term Studies (LTS) on Environmental threats to the Health of

Children in Developing and Industrialized Countries’.

2007-09 Advisor for The Danish National Board of Health in the development of ‘recommendations for antenatal care 2009’ with focus on obesity and weight gain.

2013- Scientific Committee, Nordic Congress on Obesity in Gynaecology and Obstetrics August 2015, Middelfart.

2016- Member of the Advisory Board, The Danish Family Clinics for women with drug use.

Work tasks at the university and higher educational institutions

Teaching

1984-2001 Clinical teacher for midwifery students at the Department of Obstetrics, Aalborg Hospital and at midwifery clinics in North Jutland.

2002- Teacher, mainly in epidemiology:

- The Bachelors Program in Midwifery, Aalborg Branch: 2002-2011.
- School of Medicine, Aarhus University: 2004 –2013.
- Masters Program in Health Sciences, Aarhus University: 2006 – 2013.
- Master of Public Health, Aarhus University: 2007 – 2010.
- Doctoral Program, University of Aarhus: 2007 – 2013.
- Doctoral Program, Copenhagen University: 2009 -
- Doctoral Program, UCLA: 2009.
- School of Medicine, University of Southern Denmark: 2014-
- Masters Programs in Clinical Nursing, Midwifery Sciences and Working Therapy. University of Southern Denmark: 2014-

Planning, design and management of educations

2006- Course leader of the Basis Course in Epidemiology, Masters Program of Health Science.

2010-2012 Director of Studies of the Masters Program of Health Science, Aarhus University.

2013- Leading role in the planning and running of the Masters Program in Midwifery Science at University of Southern Denmark.

2014- Leader of track in research methods (30 ECTs), Masters Programs in Clinical Nursing, Midwifery Sciences and Working Therapy. University of Southern Denmark.

Qualifying courses

2007 Course in university teaching and pedagogics at Aarhus University.

2011 Educational Course for Directors of Studies, 2 modules of 3 days. Copenhagen Business School and University of Southern Denmark.

Supervision of bachelor- and master-students

2002-11 The Bachelors Program in Midwifery, UCN.

2013 The Bachelors Program in Medicine, Aarhus University.

2006- Extensive pregraduate supervision at the Master’s Program in Health Sciences, Aarhus University. Both individuals and groups including 13 Master students.

2013- Supervision of Master students at the Master’s Program in Health Sciences, University of Southern Denmark.

2008 Research Year, 1 medical student, Aarhus University

Supervision of PhD students

In total, 16 PhD-students (11 completed, 5 ongoing). Names, titles, and dates follow below:

- Chunsen Wu, Chinese MD. Completed Nov. 2011, Aarhus University.
Title: Long-term outcomes in the offspring prenatally exposed to preeclampsia and maternal diabetes.
- Anne-Mette Bay Bjørn, MD. Completed Jan 2012, Aarhus University.
Title: Use of corticosteroids in pregnancy with special focus on the relation to congenital malformations in offspring and miscarriage.
- Camilla Schou Andersen, MSc. Completed May 2012, Copenhagen University.
Title: Maternal intrauterine factors and childhood BMI.
- Anette Werner, cand.scient.san., midwife. Completed May 2013, Aarhus University.
Title: The effect of mental training on childbirth measured on pain experience and other birth outcomes.
- Rikke Esbjerg Kirkfeldt, MD. Completed June 2013, Aarhus University.
Title: Complications after cardiac implantable electronic device implantations in Denmark.
- Trine Nøhr Winding, cand.scient.san., physiotherapist. Completed October 2014, Aarhus University.
Title: The impact of parental and health related predictors of young people's educational and job-related choice and experienced working environment.
- Helene Kirkegaard, cand.scient.san. Completed Jan 2015, Aarhus University.
Title: Health in obese women after pregnancy: A 10-year follow-up study of weight change and obesity-related diseases. (Main supervisor).
- Katja Ingstrup, cand.scient.san., nurse. Completed June 2015, Aarhus University.
Title: Bereavement and congenital anomalies.
- Maria Harpsøe, MD. Completed Nov 2015, Copenhagen University.
Title: Maternal obesity and weight gain in pregnancy and risk of allergy in the offspring and maternal autoimmune disorders. A follow-up study in the Danish National Birth Cohort.
- Elina Scheers Andersson. Enrolled November 2011, Karolinska Institutet, Stockholm.
Title: Maternal gestational weight gain and risk of obesity in offspring.
- Pernille Pedersen, cand.scient.san., nurse. Completed Feb. 2016, Aarhus University.
Title: Psychoeducation for sick-listed individuals with mental health problems.
- Cathrine Carlsen Bach, MD. Completed Dec. 2015, Aarhus University.
Title: Environmental toxicants and early development: a study of perfluorinated chemicals and fecundity, growth and development during fetal life and early childhood.
- Christoffer Witt MD. Enrolled February 2013, Aarhus University.
Title: Atrial fibrillation in patients treated with Cardiac Resynchronization Therapy – occurrence and outcome.
- Mette Bliddal, cand.scient.san., midwife. Enrolled February 2013, University of Southern Denmark.
Title: Obesity related disease after pregnancy and birth. A follow-up study of 88.000 mothers in The National Birth Cohort. (Main supervisor).
- Ingrid Jepsen, MPH, midwife. Enrolled February 2014, Aalborg University.
Title: Continuity of care by primary midwives (caseload midwifery): A Mixed study on how case-load midwifery is experienced by women and midwives and how case-load midwifery affects intervention rates during labor.
- Ditte Gommesen, cand.scient.san. midwife. Enrolled Nov. 2015, University of Southern Denmark.
Title: Perineal Wound Healing and long-term maternal morbidity.

Memberships of committees and boards

2006-13 Study Board, Masters Program in Health Science, Aarhus University.

2006-13 Advisory Board, Masters Program in Health Science, Aarhus University.

2006-08 Research Board, Department of Public Health, Aarhus University.

2008-2010 Advisory Board, Bachelors Program in Midwifery, University College North Jutland.

2010-2012 Advisory Board, Bachelors Program in Physiotherapy, Via University College.

2012-13 National Committee to revise university degrees within health science.

2012-13 Works Council, Department of Public Health, Aarhus University.

2013- Scientific Council, Centre for Clinical Guidelines, Danish Nursing Society.

2013- Research Council, Odense University Hospital.

2013- The Internationalization Trust, Odense University Hospital.

2014- Advisory Board, Odense Child Cohort.

2014- Research Council, Danish Midwifery Association.

2014- Advisory Board, Bachelors Program in Midwifery, University College Southern Denmark.

Evaluation committees

2010 Assistant professor position (chair), Aarhus University

2010 Associate professor position (member), University of Southern Denmark

2011 Associate professor position (chair), Aarhus University

2011 Associate professor position (chair), Aarhus University

2013 Professor position (chair), University of Southern Denmark

2014 Professor position (member), Aalborg University

2014 Docent position (member), Metropol, Copenhagen

2009 PhD thesis (chair), Aarhus University

2010 PhD thesis (chair), Aarhus University

2011 PhD thesis (opponent), Copenhagen University

2013 PhD thesis (opponent), Oslo University

2013 PhD thesis (opponent), Oslo University

2014 PhD thesis (opponent), Aarhus University

2015 PhD thesis (chair), University of Southern Denmark

2015 PhD thesis (opponent), Oslo University

2015 PhD thesis (opponent), Aarhus University

2015 PhD thesis (opponent), Copenhagen University

2015 PhD thesis (opponent), Copenhagen University

2016 PhD thesis (chair), University of Southern Denmark

2013 Evaluation Committee (chair) for the SIMSAM Call, The Swedish Research Council (150 mill. SEK)

2013- Evaluation Committee (member) for the biannually Open Research Call, Odense University Hospital Research Council (each call 5 mill. DKK).

Review tasks for scientific journals

International Journal of Obesity, Obesity, JAMA, Acta Obstetrica et Gynecologica Scandinavica, Journal of Clinical Epidemiology, Paediatrics, British Journal of Obstetrics & Gynaecology, Epidemiology, American Journal of Epidemiology, Lancet.