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Short presentation

PHD-PROJECT

I'm a PhD Student in the Perinatal, Obstetric, and Pediatric Epidemiology (POPE) research group at Section of Epidemiology, Department of Public Health, led by Professor Anne-Marie Nybo Andersen.

My PhD project investigates the association between gestational age at birth and offspring body size measures (height, BMI) in childhood and adolescence, focusing on geographic variations across Europe, North America and Australasia using repeated data from longitudinal cohort studies.

A primary data-sources in the PhD is the Danish National Birth Cohort (currently up to 18-years follow-up) and Danish Registry Data. In addition, I use data from birth cohorts in Europe, Canada and Australia.

The PhD project is epidemiological, and as my background and primary research interest lies in between the fields of (BSc, MSc) Sociology and (MSc) Epidemiology, I have a particular focus on the dynamics of social inequity/inequality in health over the life-course, e.g. the joint effect of preterm birth and low socioeconomic status.

In relation to the PhD project, I am involved in two EU-funded Horizon2020-projects; (1) the LifeCycle Project (<https://lifecycle-project.eu/>), whose overarching concept is to establish the EU Child Cohort Network and conduct research on the role of novel integrated markers of early-life stressors that influence health across the lifecycle. Also, I'm involved in (2) the EUCAN-Connect project (<https://www.eucanconnect.eu/>), which brings together science from Europe and Canada to improve the quality of health care through a more efficient use of data. The project aims to promote collaboration and multidisciplinary research in high-value cohort and molecular data on large scale.

Specifically, I'm involved in workpackages that involves integration and harmonization of data in the Cohort Network, and collaborate on research projects that integrates early life stressors (e.g. socio-economic and lifestyle), and develops life-course cardio-metabolic health trajectories.

PERSONAL PROFILE

As an experienced Sociologist and Epidemiologist, I have a demonstrated history working with quantitative and (although to a lesser extent) qualitative methods and analyses. I am skilled in the studies of Sociology and Epidemiology having great experience working with survey design, medical sociology, statistics in social and medical sciences.

In addition, I've gained solid knowledge and experience with intervention science and research being part of (and developed) a RCT-study on smoking in Danish vocational schools.

Since 2013, I have first authored published research in international peer-review and recognized journals within social and medical science, respectively. This has given me extensive knowledge, experience and understanding of research production and dissemination. As an example, I published a paper in *Social Science & Medicine* (2015) upon my Dissertation at London School of Hygiene & Tropical Medicine with co-authors from Centre for Diet and Activity Research at University of Cambridge, where I was a visiting research scholar.

Furthermore, I've been affiliated with research centres in Glostrup (DK) and Copenhagen (DK) on a range of research projects. A general theme has been social inequality in health - in regard to prevention, treatment and interventions using qualitative and quantitative analyses, respectively.

I am a determined energetic person, driven by personal and professional challenges in stimulating environments. I have a critical, analytical mind-set giving me a curiosity and the ability to solve complex social problems of smaller and larger scale, e.g. related to inequality or marginalization.

I find explicit joy working with people across professional and social layers and cultures. This has inspired me to unique personal and professional challenges in San Diego, London and Cambridge. This has given me a very strong analytic, methodological & research profile with extensive knowledge and a wide international network within the fields of social and health science.

Qualifications

Sociology, MSc, University of Copenhagen
Award Date: 17 Jun 2015

Epidemiology, MSc, London School of Hygiene and Tropical Medicine
Award Date: 1 Sep 2014

Sociology, BSc, Aalborg University
Award Date: 22 Jun 2012

Employment

External, Ph.d Student

Section of Epidemiology

København K

13 Oct 2022 → nu

PhD student

Section of Epidemiology

København K

26 Oct 2022 → 30 Nov 2024

Research outputs

Factors sustaining legitimacy of smoking in Vocational Education and Training (VET) schools: a qualitative needs assessment

Danielsen, D., Vinther, Johan Lerbech, Holt, D. H., Jakobsen, G. S., Bast, L. S. & Andersen, S., 2024, In: BMC Public Health. 24, 1, 11 p., 683.

Associations of Maternal Educational Level, Proximity to Greenspace During Pregnancy, and Gestational Diabetes With Body Mass Index From Infancy to Early Adulthood: A Proof-of-Concept Federated Analysis in 18 Birth Cohorts

Cadman, T., Elhakeem, A., Vinther, J. L., Avraam, D., Carrasco, P., Calas, L., Cardo, M., Charles, M-A., Corpeleijn, E., Crozier, S., de Castro, M., Estarlich, M., Fernandes, A., Fossatti, S., Gruszfeld, D., Gurlich, K., Grote, V., Haakma, S., Harris, J. R., Heude, B. & 30 others, Huang, R., Ibarluzea, J., Inskip, H., Jaddoe, V., Koletzko, B., Luque, V., Manios, Y., Moirano, G., Moschonis, G., Nader, J., Nieuwenhuijsen, M., Nybo Andersen, Anne-Marie, McEachen, R., Pinot de Moira, Angela, Popovic, M., Roumeliotaki, T., Salika, T., Marina, L. S., Santos, S., Serbert, S., Tzorovili, E., Vafeiadi, M., Verduci, E., Vrijheid, M., Vrijkotte, T. G. M., Welten, M., Wright, J., Yang, T. C., Zugna, D. & Lawlor, D., 2023, (E-pub ahead of print) In: American Journal of Epidemiology. 11 p.

Cohort description: Measures of early-life behaviour and later psychopathology in the LifeCycle Project - EU Child Cohort Network

Nader, J. L., López-Vicente, M., Julvez, J., Guxens, M., Cadman, T., Elhakeem, A., Järvelin, M-R., Rautio, N., Miettunen, J., El Marroun, H., Melchior, M., Heude, B., Charles, M-A., Yang, T. C., McEachan, R. R. C., Wright, J., Polanska, K., Carson, J., Lin, A., Rauschert, S. & 18 others, Huang, R., Popovic, M., Richiardi, L., Corpeleijn, E., Cardol, M., Mikkola, T. M., Eriksson, J. G., Salika, T., Inskip, H., Vinther, Johan Lerbech, Strandberg-Larsen, Katrine, Gurlich, K., Grote, V., Koletzko, B., Vafeiadi, M., Sunyer, J., Jaddoe, V. W. V. & Harris, J. R., 2023, In: Journal of Epidemiology. 33, 6, p. 321-331 11 p.

Gestational age and trajectories of body mass index and height from birth through adolescence in the Danish National Birth Cohort

Vinther, Johan Lerbech, Ekstrøm, Claus Thorn, Sørensen, Thorkild I.A., Kristiansen, Luise Cederqvist, Lawlor, D. A. & Nybo Andersen, Anne-Marie, 2023, In: Scientific Reports. 13, 10 p., 3298.

Gestational age at birth and body size from infancy through adolescence: An individual participant data meta-analysis on 253,810 singletons in 16 birth cohort studies

Vinther, J. L., Cadman, T., Avraam, D., Ekstrøm, C. T., I A Sørensen, T., Elhakeem, A., Santos, A. C., Pinot de Moira, A., Heude, B., Iñiguez, C., Pizzi, C., Simons, E., Voerman, E., Corpeleijn, E., Zariouh, F., Santorelli, G., Inskip, H. M., Barros, H., Carson, J., Harris, J. R. & 27 others, Nader, J. L., Ronkainen, J., Strandberg-Larsen, Katrine, Santa-Marina, L., Calas, L., Kristiansen, Luise Cederqvist, Popovic, M., Charles, M., Welten, M., Vrijheid, M., Azad, M., Subbarao, P., Burton, P., Mandhane, P. J., Huang, R., Wilson, R. C., Haakma, S., Fernández-Barrés, S., Turvey, S., Santos, S., Tough, S. C.,

Sebert, S., Moraes, T. J., Salika, T., Jaddoe, V. W. V., Lawlor, D. A. & Nybo Andersen, Anne-Marie, 2023, In: *PLoS Medicine*. 20, 1, 27 p., e1004036.

Saving time and money in biomedical publishing - the case for free-format submissions with minimal requirements

Clotworthy, Amy, Davies, Megan, Cadman, Tim, Bengtsson, J., Andersen, Thea Otte, Kadawathagedara, M., Vinther, Johan Lerbech, Nguyen, Tri-Long & V Varga, Tibor, 2023, In: *BMC Medicine*. 21, 1, 10 p., 172.

Association of Assisted Reproductive Technology With Offspring Growth and Adiposity From Infancy to Early Adulthood

Elhakeem, A., Taylor, A. E., Inskip, H. M., Huang, J., Tafflet, M., Vinther, J. L., Asta, F., Erkamp, J. S., Gagliardi, L., Guerlich, K., Halliday, J., Harskamp-van Ginkel, M. W., He, J-R., Jaddoe, V. W. V., Lewis, S., Maher, G. M., Manios, Y., Mansell, T., McCarthy, F. P., McDonald, S. W. & 31 others, Medda, E., Nisticò, L., Pinot de Moira, Angela, Popovic, M., Reiss, I. K. M., Rodrigues, C., Salika, T., Smith, A., Stazi, M. A., Walker, C., Wu, M., Åsvold, B. O., Barros, H., Brescianini, S., Burgner, D., Chan, J. K. Y., Charles, M., Eriksson, J. G., Gaillard, R., Grote, V., Håberg, S. E., Heude, B., Koletzko, B., Morton, S., Moschonis, G., Murray, D., O'Mahony, D., Porta, D., Qiu, X., Nybo Andersen, Anne-Marie & Assisted Reproductive Technology and Future Health (ART-Health) Cohort Collaboration, A. R. T. A. F. H. (C. C., 2022, In: *JAMA network open*. 5, 7, 16 p., e2222106.

Associations of maternal education, area deprivation, proximity to greenspace during pregnancy and gestational diabetes with Body Mass Index from early childhood to early adulthood: A proof-of-concept federated analysis in seventeen birth cohorts

Cadman, T., Elhakeem, A., Vinther, Johan Lerbech, Avraam, D., Espi, P., Calas, L., Cardol, M., Charles, M., Corpeleijn, E., Crozier, S., de, C. M., Estarlich, M., Fernandes, A. & Lawlor, D., 2022, (medRxiv).

Gestational age at birth and body size from infancy through adolescence: findings from analyses of individual data on 253,810 singletons in 16 birth cohort studies

Vinther, Johan Lerbech, Cadman, T., Avraam, D., Ekstrøm, Claus Thorn, Sørensen, Thorkild I.A., Elhakeem, A., Santos, A., de, M. A., Heude, B., Iñiguez, C., Pizzi, C., Simons, E., Voerman, E. & Nybo Andersen, Anne-Marie, 2022, 69 p. (medRxiv).

Reducing smoking in youth by a smoke-free school environment: A stratified cluster randomized controlled trial of Focus, a multicomponent program for alternative high schools

Jakobsen, G. S., Danielsen, D., Jensen, M. P., Vinther, Johan Lerbech, Pisinger, C., Holmberg, T., Krolner, R. F. & Andersen, S., 2021, In: *TOBACCO PREVENTION & CESSATION*. 7, 12 p., 42.

The EU Child Cohort Network's core data: establishing a set of findable, accessible, interoperable and re-usable (FAIR) variables

Pinot de Moira, A., Haakma, S., Strandberg-Larsen, K., van Enckevort, E., Kooijman, M., Cadman, T., Cardol, M., Corpeleijn, E., Crozier, S., Duijts, L., Elhakeem, A., Eriksson, J. G., Felix, J. F., Fernández-Barrés, S., Foong, R. E., Forhan, A., Grote, V., Guerlich, K., Heude, B., Huang, R-C. & 24 others, Järvelin, M., Falch-Jørgensen, Anne Cathrine, Mikkola, T. M., Nader, J. L. T., Pedersen, Marie, Popovic, M., Rautio, N., Richiardi, L., Ronkainen, J., Roumeliotaki, T., Salika, T., Sebert, S., Vinther, Johan Lerbech, Voerman, E., Vrijheid, M., Wright, J., Yang, T. C., Zariouh, F., Charles, M., Inskip, H., Jaddoe, V. W. V., Swertz, M. A., Nybo Andersen, Anne-Marie & LifeCycle Project Group, L. P. G., 2021, In: *European Journal of Epidemiology*. 36, p. 565–580 26 p.

'Standing together – at a distance': Documenting changes in mental-health indicators in Denmark during the COVID-19 pandemic

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The LifeCycle Project-EU Child Cohort Network: a federated analysis infrastructure and harmonized data of more than 250,000 children and parents

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Current European guidelines for management of cardiovascular disease: Is Medical treatment in nearly half a population realistic?

Vinther, Johan Lerbech, Jacobsen, R. K. & Jørgensen, T., 2018, In: European Journal of Preventive Cardiology. 25, 2, p. 157-163 7 p.

The association between Act-Belong-Commit indicators and problem drinking among older Irish adults: Findings from a prospective analysis of the Irish Longitudinal Study of Ageing (TILDA)

Santini, Z. I., Nielsen, Line, Hinrichsen, C., Tolstrup, J., Vinther, Johan Lerbech, Koyanagi, A., J Donovan, R. & Koushede, Vibeke Jenny, 2017, In: Drug and Alcohol Dependence. 180, p. 323-331 9 p.

Marital transitions and associated changes in fruit and vegetable intake: Findings from the population-based prospective EPIC-Norfolk cohort, UK

Vinther, Johan Lerbech, Conklin, A., Wareham, N. J. & Monsivais, P., 6 Apr 2015, In: Social Science and Medicine. 157, p. 120 126 p., 157.

Need to combine individual strategies with population-level strategies in the prevention of coronary heart disease

Vinther, Johan Lerbech, Jørgensen, T. & Borglykke, A., 2013, In: Danish Medical Bulletin (Online). 60, 10, p. 1-4 4 p., A4726.