

Stefan Nygaard Hansen

Bartholins Allé 2, DK-8000 Aarhus C, Denmark

✉ stefanh@ph.au.dk ☎ +45 20735293 ⓕ 0000-0002-0877-556X
🌐 <https://snhansen.github.io/> 🌐 snhansen

List of publications

- Jensen, C. B., Hansen, K. T., Nielsen, C. M., Hansen, S. N., Nielsen, H., Rask, C. U., Fink, P., Dantoft, T. M., Jørgensen, T., Bech, B. H., Thysen, S. M., & Rytter, D. (2025). Cohort profile: The BiCoVac cohort - a nationwide danish cohort to assess short and long-term symptoms following COVID-19 vaccination. *European Journal of Epidemiology*. <https://doi.org/10.1007/s10654-025-01204-1>
- Khachadourian, V., Arildskov, E. S., Grove, J., O'Reilly, P. F., Buxbaum, J. D., Reichenberg, A., Sandin, S., Croen, L. A., Schendel, D., Hansen, S. N., & Janecka, M. (2025). Familial confounding in the associations between maternal health and autism. *Nature Medicine*. <https://doi.org/10.1038/s41591-024-03479-5>
- Renneberg, C. K., Rask, C. U., Bernstorff, M., Rytter, D., Hansen, S. N., & Bech, B. H. (2025). Self-rated health in preadolescent children as a predictor for hospital contacts and redeemed prescriptions: The danish national birth cohort 1996-2002. *Scandinavian Journal of Public Health*. <https://doi.org/10.1177/14034948251313590>
- Hansen, K. T., Povlsen, F. K., Bech, B. H., Hansen, S. N., Rask, C. U., Fink, P., Nielsen, H., Dantoft, T. M., Thysen, S. M., & Rytter, D. (2024). Does health anxiety and vaccine concern predict self-reported adverse events following COVID-19 vaccination? - a danish national cohort study. *Public Health*, 237, 299–306. <https://doi.org/10.1016/j.puhe.2024.10.007>
- Pedersen, M. J., Høst, C., Hansen, S. N., Klotsche, J., Minden, K., Deleuran, B., & Bech, B. H. (2024). School well-being and academic performance of children with juvenile idiopathic arthritis - a national register-based study. *The Journal of Rheumatology*, 51(8), 804–810. <https://doi.org/10.3899/jrheum.2023-1197>
- Nielsen, C. M., Bech, B. H., Hansen, S. N., Jensen, C. B., Hansen, K. T., Nielsen, H., Dantoft, T. M., Jørgensen, T., Rask, C. U., Fink, P., Thysen, S. M., & Rytter, D. (2024). COVID-19 vaccination and involuntary movements: A longitudinal panel study. *Journal of the Neurological Sciences*, 463. <https://doi.org/10.1016/j.jns.2024.123136>
- Hansen, S. N., & Overgaard, M. (2024). Variance estimation for average treatment effects estimated by g-computation. *Metrika*. <https://doi.org/10.1007/s00184-024-00962-4>
- Dam, M., Centanni, M., Friberg, L. E., Centanni, D., Karlsson, M. O., Stensig Lynggaard, L., Johannsdottir, I. M., Wik, H. S., Malmros, J., Vaitkeviciene, G. E., Griskevicius, L., Hallbøæk, H., Jónsson, Ó. G., Overgaard, U., Schmiegelow, K., Hansen, S. N., Heyman, M., & Albertsen, B. K. (2024). Increase in peg-asparaginase clearance as a predictor for inactivation in patients with acute lymphoblastic leukemia. *Leukemia*, 38(4), 712–719. <https://doi.org/10.1038/s41375-024-02153-6>
- Pedersen, M. J., Høst, C., Hansen, S. N., Deleuran, B. W., & Bech, B. H. (2024). Psychiatric morbidity is common among children with juvenile idiopathic arthritis - a national matched cohort study. *The Journal of Rheumatology*, 51(2), 181–188. <https://doi.org/10.3899/jrheum.2023-0084>
- Olsen, Y., Arildskov, E., Hansen, S. N., Pedersen, M., Dharmage, S. C., Kloster, M., & Sigsgaard, T. (2023). Outdoor alternaria and cladosporium spores and acute asthma. *Clinical and Experimental Allergy*, 53(12), 1256–1267. <https://doi.org/10.1111/cea.14397>
- Bisgaard Jensen, C., Bech, B. H., Hansen, S. N., Rask, C. U., Fink, P., Nielsen, H., Meinertz Dantoft, T., Thysen, S. M., & Rytter, D. (2023). Prevalence of and risk factors for self-reported menstrual changes following COVID-19 vaccination: A danish cohort study. *Human Reproduction*, 38(9), 1825–1834. <https://doi.org/10.1093/humrep/dead144>
- Torp Hansen, K., Kusk Povlsen, F., Hammer Bech, B., Nygaard Hansen, S., Ulrikka Rask, C., Fink, P., Jørgensen, T., Nielsen, H., Meinertz Dantoft, T., Marie Thysen, S., & Rytter, D. (2023). Immediate adverse reactions

- following COVID-19 vaccination among 16-65-year-old danish citizens. *Vaccine*, 41(33), 4879–4887. <https://doi.org/10.1016/j.vaccine.2023.06.069>
- Zhang, J., Clayton, G. L., Hansen, S. N., Olsen, A., Lawlor, D. A., & Dahm, C. C. (2023). Maternal pre-pregnancy BMI, offspring adiposity in late childhood, and age of weaning: A causal mediation analysis. *Nutrients*, 15(13). <https://doi.org/10.3390/nu15132970>
- Kempel, M. K., Winding, T. N., Böttcher, M., Hansen, S. N., & Andersen, J. H. (2023). Childhood socioeconomic position and cardiometabolic risk in young adulthood- the impact of mental health. *BMC Public Health*, 23(1). <https://doi.org/10.1186/s12889-023-15942-y>
- Klausen, F. B., Amidi, A., Kjærgaard, S. K., Schlinssen, V., Ravn, P., Østergaard, K., Gutzke, V. H., Glasius, M., Grønborg, T. K., Hansen, S. N., Zachariae, R., Wargocki, P., & Sigsgaard, T. (2023). The effect of air quality on sleep and cognitive performance in school children aged 10-12 years: A double-blinded, placebo-controlled, crossover trial. *International Journal of Occupational Medicine and Environmental Health*, 36(2). <https://doi.org/10.13075/ijomeh.1896.02032>
- Bernstorff, M., Rask, C. U., Rytter, D., Hansen, S. N., & Bech, B. H. (2022). Multiple health complaints in preadolescence and hospital contacts during adolescence: A prospective cohort study. *Scientific Reports*, 12(1). <https://doi.org/10.1038/s41598-022-11167-y>
- Bernstorff, M., Rask, C. U., Rytter, D., Hansen, S. N., & Bech, B. H. (2022). Pre-adolescents with multiple health complaints redeem more prescriptions: A follow-up study in the danish national birth cohort. *Scandinavian Journal of Public Health*, 50(8), 1071–1080. <https://doi.org/10.1177/14034948211036619>
- Illum, L. R. H., Forman, A., Melgaard, A., Hansen, K. E., Hansen, S. N., Nyegaard, M., Hummelshøj, L., & Rytter, D. (2022). Temporal and regional differences in the incidence of hospital-diagnosed endometriosis: A danish population-based study. *Acta Obstetricia Et Gynecologica Scandinavica*, 101(7), 737–746. <https://doi.org/10.1111/aogs.14364>
- Lynggaard, L. S., Rank, C. U., Hansen, S. N., Gottschalk Højfeldt, S., Henriksen, L. T., Jarvis, K. B., Ranta, S., Niinimki, R., Harila-Saari, A., Wolthers, B. O., Frandsen, T. L., Heyman, M., Schmiegelow, K., & Albertsen, B. K. (2022). Asparaginase enzyme activity levels and toxicity in childhood acute lymphoblastic leukemia: A NOPHO ALL2008 study. *Blood Advances*, 6(1), 138–147. <https://doi.org/10.1182/bloodadvances.2021005631>
- Overgaard, M., & Hansen, S. N. (2021). On the assumption of independent right censoring. *Scandinavian Journal of Statistics*, 48(4), 1234–1255. <https://doi.org/10.1111/sjos.12487>
- Pereira, G., Francis, R. W., Gissler, M., Hansen, S. N., Kodesh, A., Leonard, H., Levine, S. Z., Mitter, V. R., Parner, E. T., Regan, A. K., Reichenberg, A., Sandin, S., Suominen, A., & Schendel, D. (2021). Optimal interpregnancy interval in autism spectrum disorder: A multi-national study of a modifiable risk factor. *Autism Research*, 14(11), 2432–2443. <https://doi.org/10.1002/aur.2599>
- Hansen, S. N., Schendel, D. E., Francis, R. W., Windham, G. C., Bresnahan, M., Levine, S. Z., Reichenberg, A., Gissler, M., Kodesh, A., Bai, D., Yip, B. H. K., Leonard, H., Sandin, S., Buxbaum, J. D., Hultman, C., Sourander, A., Glasson, E. J., Wong, K., Øberg, R., & Parner, E. T. (2019). Recurrence risk of autism in siblings and cousins: A multinational, population-based study. *Journal of the American Academy of Child and Adolescent Psychiatry*, 58(9), 866–875. <https://doi.org/10.1016/j.jaac.2018.11.017>
- Janecka, M., Hansen, S. N., Modabbernia, A., Browne, H. A., Buxbaum, J. D., Schendel, D. E., Reichenberg, A., Parner, E. T., & Grice, D. E. (2019). Parental age and differential estimates of risk for neuropsychiatric disorders: Findings from the danish birth cohort. *Journal of the American Academy of Child and Adolescent Psychiatry*, 58(6), 618–627. <https://doi.org/10.1016/j.jaac.2018.09.447>
- Bai, D., Yip, B. H. K., Windham, G. C., Sourander, A., Francis, R., Yoffe, R., Glasson, E., Mahjani, B., Suominen, A., Leonard, H., Gissler, M., Buxbaum, J. D., Wong, K., Schendel, D., Kodesh, A., Bresnahan, M., Levine, S. Z., Parner, E. T., Hansen, S. N., ... Sandin, S. (2019). Association of genetic and environmental factors with autism in a 5-country cohort. *JAMA Psychiatry*, 76(10), 1035–1043. <https://doi.org/10.1001/jamapsychiatry.2019.1411>
- Hansen, S. N., Overgaard, M., Andersen, P. K., & Parner, E. T. (2017). Estimating a population cumulative incidence under calendar time trends. *BMC Medical Research Methodology*, 17(1), 7. <https://doi.org/10.1186/>

s12874-016-0280-6

- Browne, H. A., Modabbernia, A., Buxbaum, J. D., Hansen, S. N., Schendel, D. E., Parner, E. T., Reichenberg, A., & Grice, D. E. (2016). Prenatal maternal smoking and increased risk for tourette syndrome and chronic tic disorders. *Journal of the American Academy of Child and Adolescent Psychiatry*, 55(9), 784–791. <https://doi.org/10.1016/j.jaac.2016.06.010>
- Grønborg, T. K., Hansen, S. N., Nielsen, S., Skytthe, A., & Parner, E. T. (2015). Stoppage in autism spectrum disorders. *Journal of Autism and Developmental Disorders*, 45(11), 3509–3519. <https://doi.org/10.1007/s10803-015-2497-3>
- Browne, H. A., Hansen, S. N., Buxbaum, J. D., Gair, S. L., Nissen, J. B., Nikolajsen, K. H., Schendel, D., Reichenberg, A., Parner, E. T., & Grice, D. E. (2015). Familial clustering of tic disorders and obsessive-compulsive disorder. *JAMA Psychiatry*, 72(4), 359–366. <https://doi.org/10.1001/jamapsychiatry.2014.2656>
- Atladottir, H. O., Gyllenborg, D., Langridge, A., Sandin, S., Hansen, S. N., Leonard, H., Gissler, M., Reichenberg, A., Schendel, D., Bourke, J., Hultman, C. M., Grice, D. E., Buxbaum, J. D., & Parner, E. T. (2015). The increasing prevalence of reported diagnoses of childhood psychiatric disorders: A descriptive multinational comparison. *European Child & Adolescent Psychiatry*, 24(2), 173–183. <https://doi.org/10.1007/s00787-014-0553-8>
- Hansen, S. N., Schendel, D., & Parner, E. T. (2015). Explaining the increase in the prevalence of autism spectrum disorders: The proportion attributable to changes in reporting practices. *JAMA Pediatrics*, 169(1), 56–62. <https://doi.org/10.1001/jamapediatrics.2014.1893>
- Hansen, S. N., & Parner, E. T. (2014). Cohort effects explain the increase in autism diagnosis: An identifiability problem of the age-period-cohort model. *International Journal of Epidemiology*, 43(6), 1988–1989. <https://doi.org/10.1093/ije/dyu213>
- Hansen, S. N., Andersen, P. K., & Parner, E. T. (2014). Events per variable for risk differences and relative risks using pseudo-observations. *Lifetime Data Analysis*, 20(4), 584–598. <https://doi.org/10.1007/s10985-013-9290-4>