

## CV for Signe Sørup, MSc, PhD, senior researcher & associate professor

### Contact information

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### Education

20/2/14 **PhD** at the University of Copenhagen, Denmark based on the PhD thesis: “Non-specific beneficial effects of measles-mumps-rubella vaccination in Danish children”  
23/1/09 **MSc (Public Health Sciences)** at the University of Copenhagen, Denmark  
1/2/08-31/1/09 **Scholarship** at Bandim Health Project, Statens Serum Institut and Institute of Preventive Medicine, Copenhagen University Hospital

### Positions

1/9/25 Senior researcher at Department of Clinical Epidemiology, Aarhus University Hospital  
1/4/25- Associate professor, Department of Clinical Epidemiology, Department of Clinical Medicine, Aarhus University  
1/1/24-31/3/25 Part-time lecturer, Department of Clinical Medicine, Aarhus University  
15/9/21-31/8/25 Clinical specialist at Department of Clinical Epidemiology, Aarhus University Hospital  
15/9/17-14/9/21 Postdoc at Department of Clinical Epidemiology, Aarhus University  
1/7/13-14/9/17 Academic employee/Postdoc at Research Center for Vitamins and Vaccines(CVIVA), Bandim Health Project, Statens Serum Institut, Copenhagen (Maternity leave 1/1/15-14/9/15)  
1/3/10-30/6/13 PhD-student at CVIVA, Bandim Health Project, Statens Serum Institut, Copenhagen (In total 4 months leave to care for ill child)  
1/8/09-28/2/10 Maternity leave  
1/2/09-31/7/09 Research assistant at Bandim Health Project, Statens Serum Institut

### Scientific focus areas

I am committed to examining the overall health effects of vaccines by using information from nationwide registers. I have examined the association between childhood vaccines and both hospitalisations for unrelated infections and cancer into adulthood based on information from Danish nationwide registers and information from School Health Records. I work together with the Vaccine Monitoring Collaboration for Europe (VAC4EU) and other international research partners on studies of vaccine safety and vaccine uptake. I have been scientific coordinator of a joint NordForsk-funded register-based research project to examine the overall health effects of childhood vaccines for children in Denmark, Finland, Norway, and Sweden. I have been co-PI of a post-authorization active surveillance safety study in the Moderna COVID-19 vaccine in several European countries.

### Research breakthroughs and professional results

- 2016 Establish the “Nordic network On Non-Specific Effects of vaccines and childhood morbidity” (NONSENSE) with researchers from Denmark, Finland, Norway and Sweden, with the aim to study non-specific effects of vaccines in the four Nordic countries. The network obtained funding from NordForsk in 2017.
- 2014 Publish the article “Live vaccine against measles, mumps, and rubella and the risk of hospital admissions for nontargeted infections” in JAMA with an accompanying editorial recommending further research in non-specific effects of vaccines in high-income settings and subsequent publication on the topic from other research groups.

### Prizes

“Tove Nilsson prize 2025”: Awarded for an outstanding contribution within infectious and vaccine epidemiology.

### Leadership competences and administrative experience

- Co-PI of a post-authorization active surveillance safety study on the Moderna COVID-19 vaccine in several European countries, 2021-2025
- Scientific coordinator of a joint NordForsk-funded register-based research project to examine the overall health effects of childhood vaccines for children in Denmark, Finland, Norway, and Sweden, 2017-2023
- Board member of the Danish Society for Pharmacoepidemiology, 2020-2024.

### Collaboration

I collaborate with a large number of international research institution in the network Vaccine Monitoring Collaboration for Europe (<https://vac4eu.org/>).

### Academic publications – summary

- Total of 40 publications in peer-reviewed journals
  - 12 first author
  - 17 last author
- Total number of citations: 1057, H index: 14 (Scopus, 1/10/2026)

### Presentations at conferences and meetings

- Total number of presentations: 16
- Selected international conferences:
  - **Invited speaker:** Nordic Vaccine meeting (2018): “Non-specific effects of vaccines, A NordForsk-funded collaboration in 4 Nordic countries”
- Selected international/national academic societies and meetings:
  - **Invited speaker:** Julius Clinical webinar 2025 “Real-World Evidence in Vaccine Safety: methods, Challenges, and Opportunities in Multi-Database Studies”
  - **Invited Speaker:** Joint meeting of the Nordic NITAGs or equivalent committees 2022 (online): "Joint Nordic project using national population-based registers for vaccine research (NONSENSE)"

- **Invited speaker:** Annual meeting 2020 of the Danish Society for Pharmacoepidemiology (online): “Childhood morbidity and non-specific effects of vaccines in the Nordic countries
- **Invited speaker:** Vaccine Seminar in the Honour of Hanne Nøkleby (Norwegian Institute of Public Health, 2018): “Non-specific effects of vaccines: examining unexpected observations from low-income countries in a high-income setting”

### Major grants

|           |                                                                                                                                                                                                                                                 |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2020-2023 | “Influenza vaccination in cancer patients: Prevalence and clinical outcome in a Danish nationwide register-based cohort study”, Danish Cancer Society, 1.5 million DKK, main applicant                                                          |
| 2017-2023 | “Childhood morbidity and potential non-specific effects of the childhood vaccination programmes in the Nordic Countries”, NordForsk, 9.7 million NOK (approx. 7.95DKK), Initiator and co-applicant                                              |
| 2015-2017 | Postdoc grant from the Danish Council for Independent Research: “Evaluation of the effect of vaccines on overall health in Danish children: Changing the paradigm of vaccine policy in high-income countries”, 1.67 million DKK, main applicant |

### Supervision of students

6 interns, 9 Master thesis students, 4 PhD students (co-supervisor).

### Teaching

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|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2021-     | Course leader on the PhD-course “Registries, databases and other electronic data sources in clinical research”, Graduate School of Health at Aarhus University. |
| 2019-     | Lectures for students, medical doctors and ph.d.-students, about epidemiological methods, Aarhus University and Aarhus University Hospital                      |
| 2020      | Complete the “Teacher Training Programme” at Aarhus University.                                                                                                 |
| 2007-2008 | Teaching assistant in the course “Statistics and scale validation”, Institute of Public Health Sciences, University of Copenhagen                               |
| 2004-2006 | Teaching assistant in the course “Statistical methods”, Institute of Public Health Sciences, University of Copenhagen                                           |