

ELENA DUDUKINA, MD, MSC, PHD

Special consultant, pharmacoepidemiologist

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EXPERIENCE

Special consultant/pharmacoepidemiologist

Danish Medicines Agency, Data Analytics Center

📅 September 2023 – ongoing 📍 Copenhagen, Denmark

- Consulting on international RWE projects and large EMA international pilots (European Health Data Space)
- Regulatory assessment of RWE PASS studies
- Design, execution, and reporting of observational pharmacoepidemiologic studies
- Writing of study protocols, statistical analysis plans and study reports
- Providing scientific and methodological input on various aspects of study design to answer research questions
- Developing abstracts, manuscripts, and presentations to conferences for research projects
- Expertise in the prospectively collected administrative and healthcare database studies
- Excellent time management skills, involvement in multiple projects with overlapping timelines
- Excellent written and verbal communication skills

Clinical Specialist/postdoc

Aarhus University Hospital

📅 September 2021 – August 2023 📍 Aarhus, Denmark

- Collaborated on EUPAS20546 Cohort Study of the Incidence of Major Cardiovascular Events in New Adult Users of Lisdexamfetamine and Remote Adult Users of Other ADHD Treatments as a daily epidemiologist/project manager
- Coordinated, drafted and delivered final version of EUPAS38620 report for a Population-based Study of the Safety of Gabapentin Use During Pregnancy to the regulators
- Collaborated on CONSIGN study: COVID-19 infection and medicines in pregnancy - a multinational registry-based study (EUPAS40317) project as a day-to-day epidemiologist/project responsible from Aarhus University as a data provider/research partner
- Collaborated on the ConcePTION project as part of Work Package (WP) 1 and WP7 as an epidemiologist/project responsible
- Collaborated on Monitoring safety of Spikevax in pregnancy: an observational study using routinely collected health data in five European countries (COVID-19) (EUPAS44450)

EDUCATION

PhD (Clinical Epidemiology)

Aarhus University

📅 2018 – 2021 📍 Aarhus, Denmark

MSc (Biomedical Sciences)

Radboud University

📅 2015 – 2017 📍 Nijmegen, The Netherlands

MD

Moscow State Medical (Sechenov) University

📅 2008–2014 📍 Moscow, Russia

SELECTED SOFTWARE SKILLS

R



- Data management (tidyverse, base R)
- Data visualisation (ggplot2, plotly, ggiraph, etc.)
- Interactive reports and presentations (Quarto, RMarkdown, blogdown, xaringan, etc.)
- Statistical analyses of large longitudinal datasets (glm, cmprs, survival, tidymodels, etc.)

MODELING

- Cox proportional hazards regression and extensions, e.g. Fine-Gray subdistribution hazard model
- Logistic regression, incl. propensity score estimation
- Log-binomial regression
- g-methods: inverse probability of treatment weighting (IPTW), inverse probability of censoring weighting (IPCW), parametric g-formula (standardization)
- Bootstrapping

AWARDS

- Second Best Abstract (student/postdoc), International Society for Pharmacoepidemiology, 2020

PhD student/fellow

[Aarhus University](#)

📅 July 2018 – August 2021 📍 Aarhus, Denmark

- Developing the research protocols and statistical analysis plans for own and collaborative projects
- Independent data management, including cohort and variables ascertainment from multiple Danish health and administrative databases
- Teaching incl. epidemiological designs and methods covering >200 hours

Exchange PhD scholar at the Fielding School of Public Health

[UCLA](#)

📅 October 2019 – March 2020 📍 Los Angeles, CA

Research Assistant

[Aarhus University](#)

📅 November 2017 – June 2018 📍 Aarhus, Denmark

Intern, Centre for Infectious Disease Control (CIb)

[RIVM \(National Institute for Public Health and Environment\)](#)

📅 2017 📍 Bilthoven, Netherlands

Intern, Laboratory of pediatric infectious diseases

[Radboudumc](#)

📅 2017 📍 Nijmegen, Netherlands

LEADERSHIP SKILLS

Co-organizer of R Ladies Aarhus

📅 2021–2023 📍 Aarhus, Denmark

Organizer of CoderGirls

📅 2020–2022 📍 Aarhus, Denmark

Board member of the PhD Association at Health

📅 2020–2021 📍 Aarhus, Denmark

PhD-team Steering Committee member, Department of Clinical Epidemiology

📅 2018–2019 📍 Aarhus, Denmark

LANGUAGES

- English - C2
- Russian - native
- Danish - A2.2/B1
- German, Dutch - A1

SELECTED PUBLICATIONS

📄 Journal Articles

- Dudukina, E., Horváth-Puhó, E., Sørensen, H. T., & Ehrenstein, V. (2023). Risk of diabetes and cardiovascular diseases in women with vaginal bleeding before 20 gestational weeks: Danish population-based cohort study. *International Journal of Epidemiology*, dyad130.
- Dudukina, E., Szépligeti, S. K., Karlsson, P., Asomaning, K., Daltveit, A. K., Hakkarainen, K., ... Toft, G. (2023). Prenatal exposure to pregabalin, birth outcomes and neurodevelopment – a population-based cohort study in four Nordic countries. *Drug Safety*.
- Forns, J., Dudukina, E., Hägg, D., Szentkúti, P., Gembert, K., Plana, E., ... Rebordosa, C. (2022). Risk of Major Cardiovascular and Cerebrovascular Events in Users of Lisdexamfetamine and Other Medications for Attention-Deficit/Hyperactivity Disorder in Denmark and Sweden: A Population-Based Cohort Study. *Neurology and Therapy*.
- Thurin, N. H., Pajouheshnia, R., Roberto, G., Dodd, C., Hyeraci, G., Bartolini, C., ... Gini, R. (2022). From Inception to ConcePTION: Genesis of a Network to Support Better Monitoring and Communication of Medication Safety During Pregnancy and Breastfeeding. *Clinical Pharmacology & Therapeutics*, 111(1), 321–331.
- Dudukina, E., Horváth-Puhó, E., Sørensen, H. T., & Ehrenstein, V. (2021). Long-term risk of epilepsy, cerebral palsy and attention-deficit/hyperactivity disorder in children affected by a threatened abortion in utero. *International Journal of Epidemiology*, (dyab069).