

PharmaSafe

Yearly report

2024



Key Numbers

2 PhD defenses

23 master students

71 international scientific publications

81 posters/oral presentations/external lectures

90 media coverages

7 international guest researchers

25 research grants awarded (total of ca. 7.4 mill. NOK)

- KEY NUMBERS **2023**: 4 PHD DEFENSES, 59 SCIENTIFIC PUBLICATIONS, 77 POSTERS/ORAL PRESENTATIONS/EXTERNAL LECTURES, 185 MEDIA COVERAGES, 9 VISITS FROM INTERNATIONAL GUEST LECTURERS, 18 RESEARCH GRANTS AWARDED (A TOTAL OF 14,9 MILL NOK).
- KEY NUMBERS **2022**: 4 PHD DEFENSES, 54 SCIENTIFIC PUBLICATIONS, 74 POSTERS/ORAL PRESENTATIONS/EXTERNAL LECTURES, 63 MEDIA COVERAGES, 4 VISITS FROM INTERNATIONAL GUEST LECTURERS, 5 RESEARCH GRANTS AWARDED (11.3 MILL NOK).
- KEY NUMBERS **2021**: 2 PHD DEFENSES, 51 SCIENTIFIC PUBLICATIONS, 42 POSTERS/ORAL PRESENTATIONS/EXTERNAL LECTURES, 25 MEDIA COVERAGES, 9 MULTIMEDIA EVENTS, 4 VISITS FROM INTERNATIONAL GUEST LECTURERS, 6 RESEARCH GRANTS AWARDED.
- KEY NUMBERS **2020**: 34 INTERNATIONAL PUBLICATIONS, 13 POSTERS, 6 ORAL PRESENTATIONS/EXTERNAL LECTURES, >50 MEDIA COVERAGES, 4 VISITS FROM INTERNATIONAL GUEST LECTURERS, 7 RESEARCH GRANTS AWARDED (10 MILL NOK).
- KEY NUMBERS **2019**: 31 SCIENTIFIC PUBLICATIONS, 10 CLINICAL GUIDELINES, 20 POSTERS, 33 ORAL PRESENTATIONS/EXTERNAL LECTURES, 39 MEDIA COVERAGES, 4 VISITS FROM INTERNATIONAL GUEST LECTURERS, 6 PHD DEFENSE COMMITTEES AS AN INTERNATIONAL MEMBER.
- KEY NUMBERS **2018**: 43 SCIENTIFIC PUBLICATIONS, 25 POSTERS, 40 ORAL PRESENTATIONS/EXTERNAL LECTURES, 23 MEDIA COVERAGES, 7 VISITS FROM INTERNATIONAL GUEST LECTURERS.
- KEY NUMBERS **2017**: 50 SCIENTIFIC PUBLICATIONS, 30 POSTERS, 44 ORAL PRESENTATIONS/EXTERNAL LECTURES, 13 MEDIA COVERAGES, 6 VISITS FROM INTERNATIONAL GUEST LECTURERS.

PhD defenses

1. **Fatima Tauqeer**, PhD thesis defense: *Perinatal Mental Health and Migraine: Exploring the Complexities of Drug Utilization and Treatment Decision-Making*. June 7, 2024.
Trial Lecture: *Perinatal mental illness and migraine: effects on maternal and child wellbeing*.
2. **Eirin Guldsten Robinson**, PhD thesis defense: *Suboptimal medication use and medication optimization in older adults - Healthcare costs and outcomes*. November 8, 2024.
Trial Lecture: *Quality of evidence for quantifying the prevalence, harm, and costs of medication errors across Europe*.

Prizes

1. Forskerforbundet Hjernekræftpris | **Hedvig Nordeng**
This award recognizes researchers who have made notable contributions to society. Hedvig Nordeng was awarded the prize due to her work on medications and women's health, filling significant knowledge gaps in medication use and safety during pregnancy and breastfeeding.
2. Best poster, NOFE conference | **Akhila Reddy**
3. Andrew McAfee Award for Best Abstract from a Developing Country, ISPE (International Society for Pharmacoepidemiology) Annual Meeting | **Lin Chieh Meng**

Scientific publications

International publications

1. Christensen S, Gjelstad A, **Björnsdóttir I**, Lauritzen F. Medicalization of Sport? A Mixed-Method Study on the Use of Medications in Elite Ice Hockey. *Sports*. 2024; 12(1):19. doi: 10.3390/sports12010019.
2. Hurley E, **Geisler BP, Lupattelli A**, Poblador-Plou B, Lassalle R, Jové J, Bernard MA, Sakr D, Sanfeliu-Gimeno G, Sánchez-Saez F, Rodríguez-Bernal CL, Sabaté M, Ballarín E, Aguilera C, Jordan S, Thayer D, Farr I, Ahmed S, Bartolini C, Limoncella G, Paoletti O, Gini R, Maglanoc LA, Dudukina E, Ehrenstein V, Alsina E, Vaz TA, Riera-Arnau J, Sturkenboom MCJM, **Nordeng HME**. COVID-19 and pregnancy: A European study on pre- and post-infection medication use. *Eur J Clin Pharmacol*. 2024 Feb 12. doi: 10.1007/s00228-024-03639-z. Epub ahead of print. PMID: 38347228.
3. Pedersen E, Tripodi E, Aakjaer M, Li H, Cantarutti A, Nyberg F, Andersen M, **Lupattelli A, Nordeng HME**. Drug utilisation in children and adolescents before and after the start of the COVID-19 pandemic: Interrupted time-series analyses in three European countries. *Paediatr Perinat Epidemiol*. 2024 Feb 1. doi: 10.1111/ppe.13046. Epub ahead of print. PMID: 38299727.
4. Català M, Mercadé-Besora N, Kolde R, **Trinh NTH**, Roel E, Burn E, Rathod-Mistry T, Kostka K, Man WY, Delmestri A, **Nordeng HME**, Uusküla A, Duarte-Salles T, Prieto-Alhambra D, Jödicke AM. The effectiveness of COVID-19 vaccines to prevent long COVID symptoms: staggered cohort study of data from the UK, Spain, and Estonia. *Lancet Respir Med*. 2024 Jan 11:S2213-2600(23)00414-9. doi: 10.1016/S2213-2600(23)00414-9. Epub ahead of print. PMID: 38219763.
5. **Nordeng H**, Wegler C, Lindqvist A, Melander E, Magnusson M, Gandia P, Panchaud A, Baranczewski P, Spigset O. Transfer of cetirizine/levocetirizine into human breast milk and estimation of drug exposure to infants through breastfeeding: A human lactation study from the ConcePTION project. *Basic Clin Pharmacol Toxicol*. 2024 Jan;134(1):153-164. doi: 10.1111/bcpt.13948. Epub 2023 Nov 13.
6. **van Gelder MMHJ**, Zoega H, Cohen JM. Editorial: Long term effects of prenatal exposure to medications and vaccines. *Front Pharmacol*. 2024 Jan 19;15:1359539. doi: 10.3389/fphar.2024.1359539. eCollection 2024. PMID: 38313310.

7. Hernáez Á, Skåra KH, Page CM, **Mitter VR**, Hernández MH, Magnus P, Njølstad PR, Andreassen OA, Corfield EC, Havdahl A, Næss Ø, Brumpton B, Åsvold BO, Lawlor DA, Fraser A, Magnus MC. Parental genetically predicted liability for coronary heart disease and risk of adverse pregnancy outcomes: a cohort study. *BMC Med.* 2024 Jan 25;22(1):35. doi: 10.1186/s12916-023-03223-9. PMID: 38273336.
8. Nasrin T, **Tauqeer F**, Bjørndal LD, Kittel-Schneider S, **Lupattelli A**. Partner support for women's antidepressant treatment and its association with depressive symptoms in pregnant women, mothers, and women planning pregnancy. *Archives of Women's Mental Health.* 2024 Feb 2. doi: 10.1007/s00737-024-01435-3. Online ahead of print. PMID: 38305896.
9. Liu X, **Trinh NTH**, Wray NR, **Lupattelli A**, Albiñana C, Agerbo E, Vilhjálmsdóttir BJ, Bergink V, Munk-Olsen T. Impact of genetic, sociodemographic, and clinical features on antidepressant treatment trajectories in the perinatal period. *Eur Neuropsychopharmacol.* 2024 Feb 3;81:20-27. doi: 10.1016/j.euroneuro.2024.01.010. Online ahead of print.
10. Moreno-Martos D, **Zhao J**, Li H, Nyberg F, Bjørndal LD, Hajiebrahimi M, Wettermark B, Aakjær M, Andersen M, Sessa M, **Lupattelli A**, **Nordeng HME**, Morales DR. Impact of the early COVID-19 pandemic on adult mental health-related dispensed medications, hospitalizations and specialist outpatient visits in Norway and Sweden: Interrupted time series analysis. *Br J Clin Pharmacol.* 2024 Mar 31. doi: 10.1111/bcp.16044. Epub ahead of print. PMID: 38555909.
11. Mercadé-Besora N, Li X, Kolde R, **Trinh NTH**, Sanchez-Santos MT, Man WY, Roel E, Reyes C, Delmestri A, **Nordeng HME**, Uusküla A, Duarte-Salles T, Prats C, Prieto-Alhambra D, Jödicke AM, Català M. The role of COVID-19 vaccines in preventing post-COVID-19 thromboembolic and cardiovascular complications. *Heart.* 2024 Mar 12: heartjnl-2023-323483. doi: 10.1136/heartjnl-2023-323483. Epub ahead of print. PMID: 38471729.
12. **Trinh NTH**, Jödicke AM, Català M, Mercadé-Besora N, **Hayati S**, **Lupattelli A**, Prieto-Alhambra D, **Nordeng HME**. Effectiveness of COVID-19 vaccines to prevent long COVID: data from Norway. *Lancet Respir Med.* 2024 Apr 10:S2213-2600(24)00082-1. doi: 10.1016/S2213-2600(24)00082-1. Epub ahead of print. PMID: 38614106.
13. Esposito G, Cantarutti A, **Lupattelli A**, Franchi M, Corrao G, Parazzini F. Does preterm birth increase the initiation of antidepressant use during the postpartum? A population-based investigation. *Front Pharmacol.* 2024 Mar 27;15:1325381. doi: 10.3389/fphar.2024.1325381. PMID: 38601467; PMCID: PMC11004433.
14. **Orangzeb S**, **Desalegn A**, **Trinh NTH**, **Zhao J**, **Nordeng HME**, **Lupattelli A**. COVID-19 vaccine uptake among children and adolescents in Norway: A comprehensive registry-based cohort study of over 800,000 individuals. *Vaccine.* 2024 Apr 18:S0264-410X(24)00464-X. doi: 10.1016/j.vaccine.2024.04.039. Epub ahead of print. PMID: 38641494.
15. **Mitter VR**, **Lupattelli A**, Bjørk MH, **Nordeng HME**. Identification and characterization of migraine in pregnancy: A Norwegian registry-based cohort study. *Cephalalgia.* 2024 Apr;44(4):3331024241248846. doi: 10.1177/03331024241248846. PMID: 38663979.
16. Ukah UV, Platt RW, **Nordeng HME**. Impact of COVID-19 Pandemic on Dispensing of Cardiovascular Drugs in Norway: An Interrupted Time Series Study. *Am J Prev Med.* 2024 Apr;66(4):672-680. doi: 10.1016/j.amepre.2023.11.008. Epub 2023 Nov 14. PMID: 37972795.
17. Fusaroli M, Salvo F, Begaud B, AlShammari TM, Bate A, Battini V, Brueckner A, Candore G, Carnovale C, Crisafulli S, Cutroneo PM, Dolladille C, Drici MD, Faillie JL, Goldman A, Hauben M, Herdeiro MT, Mahaux O, Manlik K, Montastruc F, Noguchi Y, Norén GN, Nosedà R, Onakpoya IJ, Pariente A, Poluzzi E, Salem M, Sartori D, **Trinh NTH**, Tuccori M, van Hunsel F, van Puijenbroek E, Raschi E, Khouri C. The REporting of A Disproportionality Analysis for Drug Safety Signal Detection Using Individual Case Safety Reports in Pharmacovigilance (READUS-PV): Explanation and Elaboration. *Drug Saf.* 2024 Jun;47(6):585-599. doi: 10.1007/s40264-024-01423-7. Epub 2024 May 7. PMID: 38713347; PMCID: PMC11116264.

18. Fusaroli M, Salvo F, Begaud B, AlShammari TM, Bate A, Battini V, Brueckner A, Candore G, Carnovale C, Crisafulli S, Cutroneo PM, Dolladille C, Drici MD, Faillie JL, Goldman A, Hauben M, Herdeiro MT, Mahaux O, Manlik K, Montastruc F, Noguchi Y, Norén GN, Nosedá R, Onakpoya IJ, Pariente A, Poluzzi E, Salem M, Sartori D, **Trinh NTH**, Tuccori M, van Hunsel F, van Puijenbroek E, Raschi E, Khouri C. The Reporting of a Disproportionality Analysis for Drug Safety Signal Detection Using Individual Case Safety Reports in Pharmacovigilance (READUS-PV): Development and Statement. *Drug Saf.* 2024 Jun;47(6):575-584. doi: 10.1007/s40264-024-01421-9. Epub 2024 May 7. PMID: 38713346; PMCID: PMC11116242.
19. Hannigan LJ, Lund IO, Dahl Askelund A, **Ystrom E**, Corfield EC, Ask H, Havdahl A. Genotype-environment interplay in associations between maternal drinking and offspring emotional and behavioral problems. *Psychol Med.* 2024 Jan;54(1):203-214. doi: 10.1017/S0033291723003057. Epub 2023 Nov 6. PMID: 37929303.
20. Rodríguez-Carrillo A, Remy S, Koppen G, Wauters N, Mustieles V, **Desalegn A**, Iszatt N, den Hond E, Verheyen VJ, Fáblová L, Murinova LP, Pedraza-Díaz S, Esteban M, Poyatos RM, Govarts E, van Nuijs ALN, Covaci A, Schoeters G, Olea N, Fernández MF. Urinary phthalate/DINCH metabolites associations with kisspeptin and reproductive hormones in teenagers: A cross-sectional study from the HBM4EU aligned studies. *Sci Total Environ.* 2024 Jun 15;929:172426. doi: 10.1016/j.scitotenv.2024.172426. Epub 2024 Apr 15. PMID: 38631641.
21. **Lupattelli A**, Branquinho M, Cardoso C, **Tauqeer F**, Bjørndal LD, Fonseca A. Psychometric properties of the Decisional Conflict Scale in a sample of perinatal women with depressive symptoms: A study in Portugal and Norway. *Patient Educ Couns.* 2024 May 27;127:108337. doi: 10.1016/j.pec.2024.108337. Epub ahead of print. PMID: 38820986.
22. **Robinson EG**, Gyllensten H, **Granás AG**, Halvorsen KH, Garcia BH. Health-related quality of life among older adults following acute hospitalization: longitudinal analysis of a randomized controlled trial. *Qual Life Res.* 2024 Jun 17. doi: 10.1007/s11136-024-03689-x.
23. Rohweder R, Pereira NG, Micheletti BH, Mosello J, Campos JR, Pereira MG, Santos CN, Simões NL, Matielo RL, Bernardes LS, Oppermann ML, Wender MC, **Lupattelli A**, **Nordeng HME**, Schuler-Faccini L. Medication use among pregnant women with sars-cov-2 infection and risk of hospitalization—a study in two Brazilian hospitals. *Journal of Pregnancy*, 2024 Jun 05. doi: 10.1155/2024/8915166.
24. **Sundbakk LM**, **Wood M**, Gran JM, **Nordeng HME**. Prenatal exposure to benzodiazepine and z-hypnotics and fifth-grade scholastic skills - emulating target trials using data from the Norwegian Mother, Father and Child Cohort Study. *Am J Epidemiol.* 2024 Jun 29:kwa159. doi: 10.1093/aje/kwa159. Epub ahead of print. PMID: 38944758.
25. Spildreorde M, Leithaug M, Samara A, Aass HCD, Acharya ASG, **Nordeng HME**, **Gervin K**, Lyle R. Citalopram exposure of hESCs during neuronal differentiation identifies dysregulated genes involved in neurodevelopment and depression. *Front Cell Dev Biol.* 2024 Jul 11;12:1428538. doi: 10.3389/fcell.2024.1428538. PMID: 39055655; PMCID: PMC11269147.
26. Monfort A, Cardoso E, Eap CB, Ansermot N, Crettol S, CJF, Graz MB, Harari MM, Weisskopf E, Gandia P, Allegaert K, Annaert P, **Nordeng HME**, Hascoët JM, Claris O, Epiney M, Ferreira E, Leclair G, Csajka C, Panchaud A, Guidi M, and collaborators of the SSRI Breast Milk study. A population pharmacokinetic model for sertraline in women during the perinatal period-A contribution from the ConcePTION project. *Br J Clin Pharmacol.* 2024 Jul 19. doi: 10.1111/bcp.16177. Epub ahead of print. PMID: 39030897.
27. Elyass J, **Desalegn A**, **Trinh NTH**, **Orangzeb S**, **Nordeng HME**, **Lupattelli A**. Individual and familial factors associated with mRNA COVID-19 vaccine uptake in pregnancy: a large-scale registry-based linkage study. *Vaccine.* 2024 Jul 29:126171. doi: 10.1016/j.vaccine.2024.126171. Epub ahead of print. PMID: 39079814.
28. **Desalegn A**, Schillemans T, Papadopoulou E, Sakhi AK, Haug LS, Henriette Caspersen I, Rodríguez-Carrillo A, Remy S, Schoeters G, Covaci A, Laeremans M, Fernández MF,

- Pedraza-Diaz S, Kold Jensen T, Frederiksen H, Åkesson A, Cox B, Cynthia D'Cruz S, Rambaud L, Riou M, Kolossa-Gehring M, Gerofke A, Murawski A, Vogel N, Gabriel C, Karakitsios S, Papaioannou N, Sarigiannis D, Barbone F, Rosolen V, Lignell S, Karin Lindroos A, Snoj Tratnik J, Stajniko A, Kosjek T, Tkalec Ž, Fabelova L, Palkovicova Murinova L, Kolena B, Wimmerova S, Szigeti T, Középesy S, van den Brand A, Zock JP, Janasik B, Wasowicz W, De Decker A, De Henauw S, Govarts E, Iszatt N. Urinary concentrations of phthalate/DINCH metabolites and body mass index among European children and adolescents in the HBM4EU Aligned Studies: A cross-sectional multi-country study. *Environ Int.* 2024 Aug;190:108931. doi: 10.1016/j.envint.2024.108931. Epub 2024 Aug 3. PMID: 39142134.
29. **Trinh NTH**, Houghtaling J, Bernal FL, **Hayati S**, Maglanoc LA, **Lupattelli A**, Halvorsen L, **Nordeng HME**. Harmonizing Norwegian registries onto OMOP common data model: Mapping challenges and opportunities for pregnancy and COVID-19 research. *Int J Med Inform.* 2024 Nov;191:105602. doi: 10.1016/j.ijmedinf.2024.105602. Epub 2024 Aug 14. PMID: 39153282.
 30. Christensen S, Gjelstad A, **Björnsdottir I**, Lauritzen F. Motivations for Using Dietary Supplements in Elite Ice Hockey-Controlling Weight and Enhancing Performance. *Nutrients.* 2024 Aug 13;16(16):2667. doi: 10.3390/nu16162667. PMID: 39203804; PMCID: PMC11357155.
 31. Bruckner TA, **Trinh NTH**, Lelong N, Madani K, Slama R, Given J, Khoshnood B. Climate Change and Congenital Anomalies: A Population-Based Study of the Effect of Prolonged Extreme Heat Exposure on the Risk of Neural Tube Defects in France. *Birth Defects Res.* 2024 Sep;116(9):e2397. doi: 10.1002/bdr2.2397. PMID: 39215441.
 32. Ankarfeldt MZ, Søltoft-Jensen A, Salinas CA, **Lupattelli A**, Pukkala E, Bolin K, Smith S, Meyers KJ, Petersen J, Jimenez-Solem E. Effectiveness of Baricitinib Risk Minimization Activities in Patients With Rheumatoid Arthritis-A Cohort Study in Four Nordic Countries. *Pharmacoepidemiol Drug Saf.* 2024 Sep;33(9):e70010. doi: 10.1002/pds.70010. PMID: 39300756.
 33. **Nordeng HME**, **Lupattelli A**, Engjom HM, **van Gelder MMHJ**. Detecting and Dating Early Non-live Pregnancy Outcomes: Generation of a Novel Pregnancy Algorithm From Norwegian Linked Health Registries. *Pharmacoepidemiol Drug Saf.* 2024 Sep;33(9):e70002. doi: 10.1002/pds.70002. PMID: 39238438.
 34. Joseph-Delaffon K, Eletri L, Dechartres A, **Nordeng HME**, Richardson JL, Elefant E, Mitanchez D, Marin B. Neonatal outcomes after in utero exposure to antipsychotics: a systematic review and meta-analysis. *Eur J Epidemiol.* 2024 Oct 1. doi: 10.1007/s10654-024-01156-y. Epub ahead of print. PMID: 39352602.
 35. **Josendal AV**, Bergmo TS. Medication Self-Management for Home Care Users Receiving Multidose Drug Dispensing: Qualitative Interview Study. *JMIR Aging* 2024;7:e57651 doi: 10.2196/57651.
 36. Melander E, Nielsen EI, Lindqvist A, Hovd M, Gandia P, Panchaud A, Guidi M, Annaert P, Baranczewski P, Spigset O, **Nordeng HME**. Population pharmacokinetic modelling of cetirizine concentrations in human breast milk-A contribution from the ConcePTION project. *Basic Clin Pharmacol Toxicol.* 2024 Nov 4. doi: 10.1111/bcpt.14100. Epub ahead of print. PMID: 39497323.
 37. Agh T, Garuolienė K, **Granás AG**, Gregório J, Aksoy N, Khanyk N, Ortner Hadžiabdić M, Kardas P; European Network to Advance Best Practices and Technology on Medication Adherence (ENABLE) Collaborators. Identifying and presenting key country-specific indicators related to medication adherence: a comprehensive study across European countries. *Front Pharmacol.* 2024 Oct 4;15:1390629. doi: 10.3389/fphar.2024.1390629. PMID: 39431154; PMCID: PMC11487323.
 38. Meng LC, **van Gelder MMHJ**, Chuang HM, Chen LK, Hsiao FY, **Nordeng HME**. Paternal metformin use and risk of congenital malformations in offspring in Norway and Taiwan: population based, cross national cohort study. *BMJ.* 2024 Oct 16;387:e080127. doi: 10.1136/bmj-2024-080127. PMID: 39414354; PMCID: PMC11480814.

39. Durán CE, Riefolo F, Gini R, Barbieri E, Messina D, Garcia P, Martin M, Villalobos F, Stona L, Carreras JJ, Urchueguía A, Correcher-Martínez E, Zhao J, **Lupattelli A, Nordeng HME**, Sturkenboom M. Incidence of severe and non-severe SARS-CoV-2 infections in children and adolescents: a population-based cohort study using six healthcare databases from Italy, Spain, and Norway. *Eur J Pediatr*. 2024 Nov 13;184(1):6. doi: 10.1007/s00431-024-05864-1. PMID: 39535547.
40. Xie J, López-Güell K, Dedman D, Duarte-Salles T, Kolde R, López-Blasco R, Martínez Á, Mercier G, Abellan A, Arinze JT, Cuccu Z, Delmestri A, Delseny D, Khalid S, Kim C, Kim JW, Kostka K, Loste C, Mateu L, Mayer MA, Meléndez-Cardiel J, Mercadé-Besora N, Mosseveld M, Nishimura A, **Nordeng HME**, Oyinlola JO, Pérez-Crespo L, Pineda-Moncusí M, Ramírez-Anguila JM, **Trinh NTH**, Uusküla A, Valdivieso B, Burkard T, Burn E, Català M, Prieto-Alhambra D, Paredes R, Jödicke AM. Incidence of post-acute COVID-19 symptoms across healthcare settings in seven countries: an international retrospective cohort study using routinely-collected data. *EClinicalMedicine*. 2024 Oct 30;77:102903. doi: 10.1016/j.eclinm.2024.102903. PMID: 39552716; PMCID: PMC11564986.
41. Coglianò VJ, Corsini E, Fournier A, Nelson HH, Sergi CM, Antunes AMM, Cahoon EK, Chen G, Duarte-Salles T, Engels E, Fu J, Germolec D, Ghiasvand R, Hicks B, Jean-Claude BJ, Jena G, Lerche CM, Li X, **Lupattelli A**, Ong TP, Vega L, Withrow DR, Boxall ABA, Benbrahim-Tallaa L, de Conti A, Kunzmann A, Pasqual E, Wedekind R, Deng X, Mahamat-Saleh Y, Majidi A, Peruchet-Noray L, Rezende Da Silva J, Suonio E, Viegas S, Zhai Y, Mattock H, Facchin C, Schubauer-Berigan MK, Madia F. Carcinogenicity of hydrochlorothiazide, voriconazole, and tacrolimus. *Lancet Oncol*. 2024 Nov 28:S1470-2045(24)00685-5. doi: 10.1016/S1470-2045(24)00685-5.
42. Tchijevitch O, Hansen SM, Hallas J, Bogh SB, **Mulac A**, Walløe S, Clausen MK, Birkeland S. Methodological Approaches for Analyzing Medication Error Reports in Patient Safety Reporting Systems: A Scoping Review. *Jt Comm J Qual Patient Saf*. 2024 Oct 29:S1553-7250(24)00302-7. doi: 10.1016/j.jcjq.2024.10.005.
43. Fens T, Dantuma-Wering C, Treciokiene I, **Björnsdóttir I**, Kjome RLS, Halvorsen KH, Holst L, **Granås AG**, Taxis K. How to train pharmacy students to become leaders in healthcare – a review of four university curricula. *Res Social Adm Pharm*. 2024;20(2):221-222. doi: 10.1016/j.sapharm.2023.09.033.

In press, under revision and submitted

44. Hemmingsen CH, Kjaer SK, Hjorth S, Nørby U, Broe A, Pottegård A, Bénévent J, Schmiegelow K, Skovlund CW, Leinonen MK, **Nordeng HME**, Mørch LS, Hargreave M. Maternal use of hormonal contraception and risk of childhood leukemia: A Scandinavian population-based cohort study. *In press*.
45. Abellan A, Burn E, **Trinh NTH**, Burkard T, Callahan A, Fernández-Bertolín S, Hurley E, Rodriguez C, Segundo E, Morales DR, **Nordeng HME**, Duarte-Salles T. Expanding the OMOP Common Data Model to support perinatal research in network studies. *In press*.
46. **Olstad EW**, **Nordeng HME**, Bjørk MH, Selmer KK, **Gervin K**. Agreement between parental self-reported antiepileptic medication use and dispensed prescription records from a national prescription database. *Pharmacoepidemiology and Drug Safety*. *In revision*.
47. Camanni M, **van Gelder MMHJ**, Cantarutti A, **Nordeng HME**, **Lupattelli A**. Trajectories for migraine medication in pregnancy and neurodevelopmental outcomes in offspring - a nationwide registry-based study. *In revision*.
48. Sakai T, **Nordeng HME**, **van Gelder MMHJ**. Validity of methods to infer missing data on maternal characteristics using a medical birth registry: longitudinal methods versus multiple imputation. *In revision*.
49. **Reddy AS**, Fawad F, Leite MA, **Olstad EW**, Gervin K, Sandve, GK, Brandlistuen R, **Lupattelli A**, Torkildsen JVK, **Nordeng H**. Prenatal exposure to psychotropics and analgesics on cognitive, linguistic and educational outcomes – a systematic review with focus on validity and reliability of outcome measures. *In revision*.

50. Johnson H, Hjorth S, Morris J, Pottegård A, Leinonen M, Norby U, **Nordeng HME**. Use of Signal Detection Methods to Identify Associations Between Prenatal Medication Exposure and Subsequent Childhood Cancers: A Nordic Hypothesis-Generating Registry-Based Study. *In revision*
51. **Josendal AV, Sobakk OM, Granås AG**, Eek AK. The use of direct oral anticoagulants (DOAC) in elderly patients – a study of interactions, anticholinergic and fall-risk increasing drugs. *Submitted*.
52. Beau AB, Paoletti O, Benevent J, Beslay M, Moisset X, Barrachina-Bonet L, Caverro-Carbonell C, Geldhof A, Gini R, Gissler M, Jordan S, Leinonen MK, Manfrini M, Martikainen V, **Mitter VR**, Morris JK, Neville AJ, **Nordeng HME**, Mo J, Damase-Michel C. Using markers in administrative health care data sources to identify reason for gabapentinoids prescribing in pregnancy: results from six European countries - A contribution from the IMI ConcePTION project. *Submitted*.
53. Beslay M, Geissbühler Y, Beau AB, Messina D, Benevent J, Ballardini E, Barrachina-Bonet L, Caverro-Carbonell C, Coldea A, García-Villodre L, Geldhof A, Gini R, Hellwig K, Jordan S, Leinonen MK, Lopez-Leon S, Manfrini M, Martikainen V, **Mitter VR**, Neville AJ, **Nordeng HME**, Puccini A, Vukusic S, Morris JK, Damase-Michel C. Identifying multiple sclerosis in women of childbearing age in six European countries: A contribution to the ConcePTION project. *Submitted*.
54. Beslay M, Beau AB, Messina D, Benevent J, Ballardini E, Barrachina-Bonet L, Caverro-Carbonell C, Coldea A, García-Villodre L, Geldhof A, Gini R, Hellwig K, Jordan S, Leinonen MK, Lopez-Leon S, Manfrini M, Martikainen V, **Mitter VR**, Neville AJ, **Nordeng HME**, Puccini A, Vukusic S, Damase-Michel C, Geissbühler Y, Morris JK. Methods of estimating prevalence of multiple sclerosis in six European healthcare data sources: A contribution to the ConcePTION project. *Submitted*.
55. **Olstad EW, Nordeng HME**, Bjørk MH, Selmer K, **Gervin K**. Shared Genetic Susceptibility for Epilepsy and Neurodevelopmental Disorders and Impact on the Association Between Paternal Valproate Exposure and Offspring Neurodevelopmental Outcomes. *Submitted*.
56. Burkard T, Lopez-Guell K, Catala M, Burn E, Delmestri A, Khalid S, Joedicke AM, Dedman D, Oyinlola JO, Abellan A, CrespoLP, Mercade-Besora N, Duarte-Salles T, Prieto-Alhambra D, Arinze J, Mosseveld M, Kolde R, Melendez J, Lopez-Blasco R, Martinez A, Valdivieso B, Delseny D, Mercier G, Kim C, Kim J, Kostka K, Ramirez-Angueta JM, Mayer MA, **Trinh NTH, Nordeng HME**, Paredes R, Uuskula A, Nishimura A, Loste C, Mateu L, Xie J. The risks of autoimmune-and inflammatory post-acute COVID-19 conditions: a network cohort study in six European countries, the US, and Korea. *Submitted*.
57. López-Güell K, Català M, Dedman D, Duarte-Salles T, Kolde R, López-Blasco R, Martínez A, Mercier G, Abellan A, Arinze J, Burkard T, Burn E, Cuccu Z, Delmestri A, Delseny D, Khalid S, Kim C, Kim J, Kostka K, Loste C, Mayer M, Meléndez-Cardiel J, Mercadé-Besora N, Mosseveld M, Nishimura A, **Nordeng HME**, Oyinlola JO, Paredes R, Pérez-Crespo L, Pineda-Moncusí M, Ramírez-Angueta JM, **Trinh NTH**, Uuskula A, Valdivieso B, Xie J, Mateu L, Prieto-Alhambra D, Jödicke AM. Clusters of post-acute COVID-19 symptoms: a latent class analysis across 9 databases and 7 countries. *Submitted*.
58. Chatha ZF, **Trinh NTH**, Rostami S, Bergink V, **Carson A**, Magnus P, **Lupattelli A**. Timing of Antidepressant Initiation Postpartum and Maternal Mental Health Outcomes Up to 18 Months after Childbirth. *Submitted*.
59. van Wijk EJC, **Zugic M**, Rostami S, **van Gelder MMHJ**, Ahmad AS, Sitras V, Spigset O, **Lupattelli A, Trinh NTH**. Gestational Weight Gain and Postpartum Weight Retention: What is the Role of Perinatal Antidepressant Use? *Submitted*.
60. **Trinh NTH**, Rostami S, Pedroncelli M, Cheesman R, Magnus P, Johansson S, Andreassen OA, **Lupattelli A**. Prenatal antidepressant exposure and longitudinal differences in body mass index up to 8 years of age in the offspring born to mothers with pre-pregnancy depressive and/or anxiety in the Norwegian Mother, Father and Child Cohort Study. *Submitted*.

61. Liu X, Madsen KB, Zhu JL, Munk-Olsen T, Damkier P, **Lupattelli A**, Zoega H, **Nordeng H**, Kjeldsen MM, Mægbæk ML, Madsen MG, Bergink V, Bliddal M. Infant psychotropic medication exposure via breast milk: A population-based descriptive study using Danish nationwide registers. *Submitted*.
62. Kinge-Rasmussen M, **Olstad EW**, Bjørk MH, **Nordeng HME**, Tan MMX, **Gervin K**, Selmer KK. Genetic susceptibility for Attention Deficit/Hyperactivity Disorder and Autism Spectrum Disorders in children born to women with epilepsy. *Submitted*.
63. **Josendal AV**, Bergmo TS. Electronic prescribing and drug treatment changes: A longitudinal study of dispensing records. *Submitted*.
64. Vallejo-Yagüe E, de Vries ST, La Parra-Casado D, Gardarsdottir H, Faquetti ML, **Nordeng H**, van Valkengoed I, Aubrun E, Douros A, Guedes S, Martinez-De la Torre A, Wested J, Ochi T, Schumacher Dimech AM, Clair C, Mehta I, Ida F, Soriano Gabarró M, Korzh O, Martínez-González M, Maso A, Rodrigues DC, Ndem-Galbert JR, Korjagina M, Goswami S, Moga DC, Fleisch Marcus A, Dickinson H. Advancing health equity in Europe: Explore, tailor, implement, evaluate (ETIE) - A framework of diversity and fairness in pharmacoepidemiologic research. *Submitted*.
65. Mølegaard-Nielsen D, **Mitter VR**, **Lupattelli A**, Hoxaj V, Andaur Navarro C, **Hayati S**, Lopez-Leon S, Morris J, Jordan S, Leinonen MK, Martikainen V, Manfrini M, Neville A, Barrachina-Bonet L, Caverro-Carbonell C, Caillet A, Damase-Michel C, **van Gelder MMHJ**, **Nordeng H**. Identification of Gestational Diabetes in European Electronic Healthcare Data: Insights from the ConcePTION Project. *Submitted*.
66. Lopez-Leon S, Mølegaard-Nielsen D, **Mitter VR**, **Lupattelli A**, Hoxaj V, Andaur Navarro C, **Hayati S**, Morris J, Leinonen MK, Martikainen V, Jordan S, Manfrini M, Barrachina-Bonet L, Caverro-Carbonell C, Caillet A, Damase-Michel C, **van Gelder MMHJ**, **Nordeng H**. Identifying Preeclampsia in Europe. *Submitted*.
67. Kanduri C, Mamica M, **Olstad EW**, Zucknick M, Li JJ, Sandve GK. Beware of counter-intuitive levels of false discoveries in omics: a tale of multiple testing on datasets with strong intra-correlations. *Submitted*.
68. Nehard R, Bardon VF, Coulm B, Elefant E, Brochet MS, **van Gelder MMHJ**, Dechartres A, Marin B. Medication use during pregnancy in Europe and North America: a systematic review. *Submitted*.
69. Boissiere-O'Neill T, **van Gelder MMHJ**, Engjom HM, **Nordeng HME**. Exposure to systemic antimicrobials during pregnancy and risk of miscarriage: a population-based registry study. *Submitted*.
70. Choi EY, **van Gelder MMHJ**, **Geisler BP**, Oh IS, **Nordeng HME**. Anti-rheumatic medication use among pregnant women with rheumatic diseases – a Norwegian nationwide drug utilization study. *Submitted*.
71. Limoncella G, Girardi A, Bartolini C, Hyeraci G, Roberto G, Paoletti O, Messina D, Villalobos F, Bisacco CA, van den B JM, Houben E, Santacà K, Ingrasciotta Y, Trifirò G, Pellegrini G, Ientile V, Hoxhaj V, Duràn CE, Riera-Arnau J, Garcia-Poza P, Martín-Pérez M, Huerta-Alvarez C, Llorente-Garcia A, Sánchez-Sáez F, Sanfélix-Gimeno S, Rodríguez-Bernal CL, Jové J, Bernard MA, Thurin N H, Jordan S, Thayer D, Evans HT, Coldea A, Manfrini M, **van Gelder MMHJ**, **Hayati S**, Schink T, Tari M, Pajouheshnia R, Afonso AS, Le Noan-Lainé M, Mølgaard-Nielsen D, Cunningham M, Dodd CN, Grilli L, Andaur Navarro CLNavarro AC, Sturkenboom MCJM, **Nordeng HME**, Gini R. Generate the list of pregnancies observed in population-based data sources: the ConcePTION pregnancy algorithm. *Submitted*.

Books and book chapters

1. **Nordeng, H.**, & Spigset, O. Legemidler og bruk av dem (4th ed.). Oslo: Gyldendal Akademisk. 2024.
2. **Nordeng HME, van Gelder M**. Chapter 3.3.1 Drug utilization in pregnant women. In Drug Utilization Research: Methods and Applications. Wiley 2nd edition. 2024.

3. **Nordeng, H.**, Jirsová E & Spigset, O. Chapter 21. Safe Prescribing and Drug Use in Pregnancy and Breastfeeding. In: Principles and Practice of Pharmacovigilance and Drug Safety, Editors: J Jose, Cox AR, Paudyal V. Springer, 2024.

Public reports and repositories (incl. Zenodo)

1. Hyeraci G, Girardi A, Limoncella G, Manfrini M, Ingrassiotta Y, Martín-Pérez M, García-Poza P, Villalobos F, Far M, Sánchez-Sáez F, Jové J, Bernard MA, Jordan S, Houben E, van den Berg J, **Nordeng H**, Gini R. Application of the DIVERSE framework to describe ten European data sources applying the ConcePTION Pregnancy Algorithm. Zenodo. 2024. <https://doi.org/10.5281/zenodo.13938864>.
2. Girardi A, Riera-Arnau J, Duràn CE, Sturkenboom M, Afonso AS, Dodd C, Ehrenstein V, Garcia P, Hurley E, Le Noan-Laine M, Martín-Pérez M, **Mitter V**, Mohammadi S, **Nordeng H**, Pajouheshnia R, Shink T, Hyeraci G. Pregnancy-related diagnosis codelist developed for the ConcePTION pregnancy algorithm [Data set]. Zenodo. 2024. <https://doi.org/10.5281/zenodo.13341149>.

Seminars organized

1. PharmaSafe Strategic Seminar in Oslo, Norway. February 2024.
2. Trinh N. Perinatal OMOP week in Oslo, Norway. May 2024.
3. MAMP seminar in Berlin, Germany. August 2024.
4. RealArt Writing Retreat in Dubrovnik, Croatia. September 2024.

Conference presentations (incl. submitted abstracts)

1. Leinonen MK, Martikainen V, Campbell C, **Hayati S**, Krumme AA, Morris J, **Nordeng HM**, Gissler M. Incidence and survival of pregnancy associated breast cancer: A contribution from the ConcePTION project piloted in Finland and Norway. Poster presentation. ISPE (International Society for Pharmacoepidemiology) Annual Meeting, August 24–28, 2024, Berlin, Germany.
2. Beslay M, Beau AB, Benevent J, Jordan S, Leinonen MK, Martikainen V, Manfrini M, Neville A, **Nordeng H**, **Mitter V**, Cavero-Carbonell C, Barrachina-Bonet L, Gini R, Messina D, Morris J, Geissbühler Y, Damase-Michel C. Identifying women of childbearing age with Multiple Sclerosis in six European HealthCare databases: A contribution from the ConcePTION project. Poster presentation. ISPE (International Society for Pharmacoepidemiology) Annual Meeting, August 24–28, 2024, Berlin, Germany.
3. Beau AB, Paoletti O, Benevent J, Beslay M, Barrachina-Bonet L, Cavero-Carbonell C, Gini R, **Hayati S**, Jordan S, Leinonen MK, Manfrini M, Martikainen V, **Mitter VR**, Moisset X, Morris JK, Neville AJ, **Nordeng H**, Mo J, Damase-Michel C. Reason for gabapentinoids prescribing in pregnancy: Results from four European countries. A contribution from the IMI ConcePTION project. Poster presentation. ISPE (International Society for Pharmacoepidemiology) Annual Meeting, August 24–28, 2024, Berlin, Germany.
4. Krumme AA, Mølgaard-Nielsen D, Martikainen V, Gissler M, Morris J, Campbell C, **Hayati S**, **Nordeng H**, Leinonen MK. Pregnancy and infant outcomes in gestationally-diagnosed breast cancer: A pilot study in Finland and Norway from the ConcePTION project. Poster presentation. ISPE (International Society for Pharmacoepidemiology) Annual Meeting, August 24–28, 2024, Berlin, Germany.
5. Girardi A, Limoncella G, Hyeraci G, Roberto G, Bartolini C, Paoletti O, Messina D, Villalobos Martínez F, van den Berg J, Houben E, Trifirò G, Tanaglia M, **van Gelder M**, Hoxhaj V, Garcia P, Sánchez F, Sanfélix-Gimeno G, Lassalle R, Jordan S, Salinas Duran C, Martín M, Thayer D, Riera Arnau J, Santacà K, Thurin N, Manfrini M, Allorete Garcia A, Rodríguez C, Ientile V, Ingrassiotta Y, Lenoanlaine M, Mølgaard-Nielsen D, Afonso AS, Pajouheshnia R, Sturkenboom M, **Nordeng HME**, Gini R. Impact of data source diversity on the distribution of key variables in cohorts of pregnancies extracted with the

- ConcePTION algorithm leveraging on a random forest imputation model. Oral presentation. ISPE (International Society for Pharmacoepidemiology) Annual Meeting, August 24–28, 2024, Berlin, Germany.
6. **Kadir L**, Foss C, Waaseth M, Holst L, Nilsen MK, Bjørknes MR, **Granås AG**. Narrative-based digital learning platform: a dynamic approach to teaching pharmacy history through pharmacists' stories. Poster presentation. European Association of Faculties of Pharmacy (EAFP), May 13-16, 2024, Bergen, Norway.
 7. **Kadir L**, Bjørknes MR, Waaseth M, Holst L, Nilsen MK, **Granås AG**, Foss C. Pharmacists' stories as an educational platform - development of a national digital learning platform in Norwegian pharmacy history. Farmasidagene, November 14-15, 2024, Oslo, Norway.
 8. **Heimdal MCN**, **Kadir L**, **Gløersen AG**, **Granås AG**, Treciokiene I. Piloting simulation training in the advanced pharmacy practice experience (app) course at the university of Oslo - the pharmacy game experience. Poster presentation. European Association of Faculties of Pharmacy (EAFP), May 13-16, 2024, Bergen, Norway.
 9. **Kadir L**, Høye S, Harbin NJ, Alkayssi A. RASK (Prudent Antibiotic use for Municipal Nursing Homes) - development of an antibiotic report. Poster presentation. NSGH (The 7th Nordic Conference on Research in Patient Safety and Quality in Healthcare), August 29-30, 2024, Oslo, Norway.
 10. **Kadir L**, Ariansen H, Emberland KE, Smedberg J. National pharmacy practice standard for patient counselling about correct use of antibiotics in Norway. NSGH (The 7th Nordic Conference on Research in Patient Safety and Quality in Healthcare), August 29-30, 2024, Oslo, Norway.
 11. **Van Gelder MMHJ**, **Lupattelli A**, Engjom HM, **Nordeng HME**. Association of non-steroidal anti-inflammatory drug use during pregnancy and miscarriage: a Norwegian registry linkage study. Oral presentation. ISPE (International Society for Pharmacoepidemiology) Annual Meeting, August 24-28, 2024, Berlin, Germany.
 12. Broe A, Willis S, Dareng E, Haviland M, **van Gelder MMHJ**, **Nordeng HME**, **Wood M**, Sahin L, Margulis AV, Rivero-Ferrer E. Building global consensus on definitions for drug safety studies in pregnancy to improve harmonized evaluation of real-world data. Workshop/Symposium presentation. ISPE (International Society for Pharmacoepidemiology) Annual Meeting, August 24-28, 2024, Berlin, Germany.
 13. **Van Gelder MMHJ**, **Lupattelli A**, Engjom HM, **Nordeng HME**. Association of non-steroidal anti-inflammatory drug use during pregnancy and miscarriage: a Norwegian registry linkage study. Oral presentation. OTIS-ENTIS Meeting, September 12-15, 2024, Nyborg, Denmark.
 14. Weibel D, de Luise C, Royo AC, Ryan O, Vaz TA, Aguado J, Marsal J, de Albeniz XG, Weinrib R, Yefimenko N, Palà E, Plou BP, Gimeno-Miguel A, Santos-Mejias A, Marconi E, Barbieri E, Stona L, Lysen T, Roy D, Hyeraci G, Girardi A, **Lupattelli A**, **Desalegn AA**, Villalobos F, Bissacco C, Kendrick K, Garg R, Rubino H, Sturkenboom M, Arana A. Interim results from the VAC4EU Post-Authorization Safety Study (PASS) among recipients of the Pfizer-BioNTech COVID-19 (Comirnaty®) vaccine in Europe. Poster presentation. ISPE (International Society for Pharmacoepidemiology) Annual Meeting, August 24–28, 2024, Berlin, Germany.
 15. Zwiars L, Goodale B, van der Velden F, St Laurent S, Esposito D, Zhu L, Urdaneta V, Martin D, Weibel D, **Lupattelli A**, **Desalegn AA**, Villalobos F, Bissacco CA, Carreras JJ, Fornes AU, Correcher E, Fry C, Morris D, Aurelius T, Lane S, Roy D, Wang L, Ehrenstein V, Grobbee D, Ong D. Identifying risk factors for myocarditis/pericarditis following mRNA-1273 vaccination: results of the first interim analyses of a VAC4EU study. Poster presentation ISPE (International Society for Pharmacoepidemiology) Annual Meeting, August 24–28, 2024, Berlin, Germany.
 16. **Trinh NTH**, Rostami S, Sundbakk LM, Cheesman R, Ystrom E, Magnus P, Njølstad P, Johansson S, Andreassen O, **Lupattelli A**. Impact of intensity and timing of prenatal antidepressant exposure on childhood growth trajectories: results from the Norwegian Mother, Father, and Child Cohort Study. Poster presentation. Sustainability seminar 2024. May 13-14, Oslo, Norway.

17. **Trinh NTH**, Rostami S, Sundbakk LM, Cheesman R, Ystrom E, Magnus P, Njølstad P, Johansson S, Andreassen O, **Lupattelli A**. Impact of intensity and timing of prenatal antidepressant exposure on childhood growth trajectories: results from the Norwegian Mother, Father, and Child Cohort Study. Poster presentation. ISPE (International Society for Pharmacoepidemiology) Annual Meeting, August 24–28, 2024, Berlin, Germany. Poster presentation.
18. Giorcelli A, **Trinh NTH**, Sundbakk LM, Rostami S, Thapa S, Cantarutti A, **Nordeng H**, **Lupattelli A**. Psychiatric outcomes and their progression across different states in children and adolescents following prenatal exposure to antidepressants. ISPE (International Society for Pharmacoepidemiology) Annual Meeting, August 24–28, 2024, Berlin, Germany. Oral presentation.
19. Ankarfeldt MZ, Torvinen S, Søltoft-Jensen A, Ylisaukko-oja T, Kovalainen T, Smith S, **Lupattelli A**, Bolin K, Petersen J, Jimenez-Solem E. A cohort study to assess long-term safety of baricitinib in patients with rheumatoid arthritis – using Nordic registry data in a post-authorization safety study. Poster presentation. ISPE (International Society for Pharmacoepidemiology) Annual Meeting, August 24–28, 2024, Berlin, Germany. Poster.
20. **Zugic M**, **Trinh NTH**, **Nordeng H**, **Lupattelli A**. Antenatal depressive and anxiety symptoms in women with eating disorders who continue or discontinue antidepressant treatment in pregnancy - results from the Norwegian Mother, Father, and Child Cohort Study. Poster presentation. ISPE (International Society for Pharmacoepidemiology) Annual Meeting, August 24–28, 2024, Berlin, Germany.
21. Di Chiara C, **Trinh NTH**, **Lupattelli A**, Le Prevost M, Boracchini R, Giugni A, Barbieri E, Giaquinto C, Donà D, Cantarutti A. Sars-cov-2 Infection Incidence And Severity In Immunocompromised Children: A Population-based Study In Italy And Norway. Poster presentation. 42nd Annual Meeting of the European Society for Paediatric Infectious Diseases. Copenhagen, May 20-24, 2024. **Awarded best Poster of the conference.**
22. Taxis K, Fens T, Trečiokienė I, **Granås AG**. Promoting active learning in pharmacy undergraduates – a workshop on experiential learning activities. Workshop. European Association of Faculties of Pharmacy Conference. Bergen, May 16, 2024.
23. Meng LC, **van Gelder MMHJ**, Chuang HM, Chen LK, Hsiao FY, **Nordeng HME**. Paternal metformin use before pregnancy and risk of congenital malformations: a cross-national study in Norway and Taiwan. Spotlight poster presentation. ISPE (International Society for Pharmacoepidemiology) Annual Meeting, August 24-28, 2024, Berlin, Germany. **Awarded Andrew McAfee Award for Best Abstract from a Developing Country.**
24. **Zugic M**, **Lupattelli A**, **van Gelder MMHJ**, **Granås AG**, **Nordeng H**. Development and evaluation of the Medication Adherence Measurement in Pregnancy scale for antidepressants. Poster presentation. OTIS-ENTIS Meeting, September 12-15, 2024, Nyborg, Denmark.
25. **Carson A**, **Nhung TH Trinh**, **Hedvig Nordeng**, Xiaoqin Liu, Trine Munk-Olsen, Malin Eberhard-Gran, Per Magnus, **Angela Lupattelli**. Initiating Antidepressant Treatment in Pregnancy: Timing, Intensity, and Influential Maternal and Familial Factors. ISPE (International Society for Pharmacoepidemiology) Annual Meeting, August 24-28, 2024, Berlin, Germany.
26. **Carson A**, **Nhung TH Trinh**, **Hedvig Nordeng**, Xiaoqin Liu, Trine Munk-Olsen, Malin Eberhard-Gran, Per Magnus, **Angela Lupattelli**. Initiating Antidepressant Treatment in Pregnancy: Timing, Intensity, and Influential Maternal and Familial Factors. MoBa Anniversary conference, October 30-31, 2024, Oslo, Norway.
27. **Carson A**, **Nhung TH Trinh**, **Hedvig Nordeng**, Xiaoqin Liu, Trine Munk-Olsen, Malin Eberhard-Gran, Per Magnus, **Angela Lupattelli**. Initiating Antidepressant Treatment in Pregnancy: Timing, Intensity, and Influential Maternal and Familial Factors. NordicPharmacoEpidemiology (NorPEN) conference, November 18-20, 2024, Copenhagen, Denmark.
28. Camanni M, Cantarutti A, **Lupattelli A**, **Nordeng HME**. Trajectories for migraine medication in pregnancy and neurodevelopmental outcomes in offspring - a nationwide

- registry-based study. ISPE (International Society for Pharmacoepidemiology) Annual Meeting, August 24-28, 2024, Berlin, Germany.
29. **Reddy AS, van Gelder M, Olstad EW, Torkildsen JVK, Nordeng HME.** Prevalence of mental and neurodevelopmental disorders in families of women taking psychotropics during pregnancy - a study of familial confounding by indication. Norwegian Epidemiological Association (NOFE) conference 2024. October 15-16, 2024. **Best Poster Award.**
 30. **Salvadori, S. Shigdel, R. Zidan, M. Trinh, NTH. Lupattelli, A.** Time-dependent effect of prenatal antidepressant exposure on symptoms of eating, depressive, and anxiety disorders in children at 14 years of age. Norwegian Epidemiological Association (NOFE) conference 2024. October 15-16, 2024.
 31. **van Wijk EJC, Zugic M, Rostami S, van Gelder MMHJ, Ahmad AS, Sitras V, Spigset O, Lupattelli A, Trinh NTH.** Gestational Weight Gain and Postpartum Weight Retention: What is the Role of Perinatal Antidepressant Use? Norwegian Epidemiological Association (NOFE) conference 2024. October 15-16, 2024.
 32. **Zidan M, Trinh NTH, Desalegn AA, Smith LH, van Gelder MMHJ, Nordeng HME, Lupattelli, A.** BNT162b2 mRNA COVID-19 Vaccine Effectiveness in Pregnancy: Emulating Trial NCT 04754594 Using Observational Data from Norwegian Health Registries. Poster presentation. Norwegian Epidemiological Association (NOFE) conference 2024. October 15-16, 2024.
 33. **Sakai T, Nordeng HME, van Gelder MMHJ.** Validity of methods to infer data on maternal characteristics using data from a medical birth registry: longitudinal methods versus multiple imputation. Poster presentation. Norwegian Epidemiological Association (NOFE) conference 2024. October 15-16, 2024.
 34. **Trinh NTH, Fukasawa T, Yanai T, Okura T, Takayama A, Sakai T, Reiakvam OM, Nordeng HME, Lupattelli A, Kawakami K.** Pediatric antibiotic prescribing patterns before, during and after the COVID-19 pandemic: a multinational study using data from Norway and Japan. Submitted for ECCMID Global.
 35. **Trinh NTH, Lupattelli A.** Impact of the COVID-19 pandemic and the introduction of mRNA vaccines against COVID-19 infection on uptake of childhood vaccines in Norway. Submitted for ECCMID Global.
 36. **Tang AQ, Sakai T, Fusaroli M, Giunchi V, Lupattelli A, Trinh NTH.** Suicidality and vortioxetine in children, adolescents and young adults: a disproportionality analysis using FDA spontaneous reporting system. ACPE 2024. October 12-14, 2024.
 37. **Giorcelli A, Trinh NTH, Corrao G, Lupattelli A, Cantarutti A.** Assessing neonatal outcomes across prenatal exposure trajectories to antidepressant. Poster presentation. EPPEC (European Perinatal and Paediatric Epidemiology Conference) conference, September 16–17, 2024, Copenhagen, Denmark.
 38. **Vidas L, Granås AG, Kadir L, Nygård T.** Samfunnsfaglig teori – «restet» i farmasøytens helseforskning og utvikling av helseintervensjoner i apotek og sykehus? Poster presentation. Farmasidagene, November 14-15, 2024, Oslo, Norway.
 39. **Salvadori S, Zidan M, Trinh NTH, Rostami S, Wood M, Hayati S, Carson A, Giorcelli A, Cantarutti A, Bulik C, Nordeng H, Lupattelli A.** Time-dependent effect of prenatal antidepressant exposure on symptoms of eating, depressive, and anxiety disorders in children at 14 years of age. Oral presentation. Norwegian Epidemiological Association (NOFE) conference 2024. October 15-16, 2024.
 40. **Chatha ZF, Trinh NTH, Rostami S, Carson A, Eberhard-Gran M, Andreassen O, Magnus PM, Lupattelli A.** Timing of Antidepressant Initiation Postpartum and Maternal Mental Health Outcomes up to 18 Months after Childbirth. Oral presentation. Norwegian Epidemiological Association (NOFE) conference 2024. October 15-16, 2024.
 41. **Chatha ZF, Trinh NTH, Rostami S, Carson A, Eberhard-Gran M, Andreassen O, Magnus PM, Lupattelli A.** Timing of Antidepressant Initiation Postpartum and Maternal Mental Health Outcomes up to 18 Months after Childbirth. Poster presentation. MoBa 25th Anniversary, October 30-31, 2024, Oslo, Norway.

42. **Zugic M, Trinh NTH, Nordeng H, Lupattelli A.** Antenatal depressive and anxiety symptoms in women with eating disorders who continue or discontinue antidepressant treatment in pregnancy - results from the Norwegian Mother, Father, and Child Cohort Study. Poster presentation at MoBa's 25th anniversary, October 30-31, 2024, Oslo, Norway.
43. Andersson Y, Mezori J, Eikeland S, **Granås AG.** Focus on medication errors on high-risk medications in a hospital's electronic incident reporting. Poster presentation, EAHP, March 20-22, 2024, Bordeaux, France.
44. **Granås AG.** Conversations between experienced pharmacists and undergraduate pharmacy students in Norway: Exploring new ways of teaching the history of pharmacy. Oral presentation, Farmasidagene, November 14-15, 2024, Oslo, Norway.
45. **Granås AG,** Foss C, Waaseth M, Alsén KW, Rehman S, **Kadir L,** Holst L. Pharmacy Storytelling: Documenting recent cultural and historical developments of pharmaceutical history in Norway - interviews with elderly pharmacists. Poster presentation, Farmasidagene, November 14-15, 2024, Oslo, Norway.
46. **Granås AG.** Conversations between experienced pharmacists and undergraduate pharmacy students in Norway: Exploring new ways of teaching the history of pharmacy. Oral presentation, 46th Congress International Society for the History of Pharmacy, September 4-7, 2024, Belgrade, Serbia.
47. **Granås AG,** Foss C, Waaseth M, Alsén KW, Rehman S, **Kadir L,** Holst L. Pharmacy Storytelling: Documenting recent cultural and historical developments of pharmaceutical history in Norway - interviews with elderly pharmacists. Poster presentation, 46th Congress International Society for the History of Pharmacy, September 4-7, 2024, Belgrade, Serbia.
48. **Kadir L,** Bjørknes MR, Waaseth M, Holst L, Nilsen MK, **Granås AG,** Foss C. Pharmacy Storytelling: Pharmacists' storytelling as educational tools - developing a digital learning platform for pharmacy history. Oral presentation, 46th Congress International Society for the History of Pharmacy, September 4-7, 2024, Belgrade, Serbia.
49. **Granås AG,** Foss C, Holst L, Nilsen MK, Bjørknes MR, **Kadir L,** Helleve T, Waaseth M. Pharmacy Storytelling: Dissemination of recent Norwegian pharmaceutical history to the public through podcasts, films, and photos. Oral presentation, 46th Congress International Society for the History of Pharmacy, September 4-7, 2024, Belgrade, Serbia.
50. **Granås AG,** Johnsen A, Bäckström T, Slørdal S, Johansen M, MacLaren N, Manskow US. Digitalisering av legemiddelhåndtering – hva skjer? Bli med på webinar som en digital start på helga – men husk analog kaffe! Poster presentation, Farmasidagene, November 14-15, 2024, Oslo, Norway.
51. Adam A, Ossi H, **Granås AG,** Bruun LI, Riiser TJ, **Mulac A.** Uønskede hendelser ved ordinerings av legemidler før og etter implementering av elektronisk kurve ved Oslo Universitetssykehus. Poster presentation, Farmasidagene, November 14-15, 2024, Oslo, Norway.
52. Stojanovic J, Andric M, Toreid B, Gamlem AI, **Granås AG.** Innovasjon av e-Dosett: Tverrfaglig tilnærming til å utvikle app, kassett og dispenser ved bruk av metoden «Design Thinking». Pecha Kucha presentation, Farmasidagene, November 14-15, 2024, Oslo, Norway.
53. **Heimdal MC,** **Kadir L,** **Gløersen AG,** Treciokiene I, **Granås AG.** Piloting simulation training in the advanced pharmacy practice experience (APPE) course at the University of Oslo – The pharmacy game experience. Poster presentation, Farmasidagene, November 14-15, 2024, Oslo, Norway.
54. Holm SG, Forsdahl G, Garcia BH, **Granås AG,** Olavsen B, Halvorsen K, Tangen M. Riktig legemiddelbruk hos personer med utviklingshemming – det gjelder livet. Poster presentation, Farmasidagene, November 14-15, 2024, Oslo, Norway.
55. Mohammad NA, Bøe OMA, Forsdahl G, Garcia BH, **Granås AG,** Halvorsen KH, Holm S, Olavsen B, Tangen M, Sjølie BHM, Lehnboem EC. Utfordringer med legemiddelhåndtering til personer med utviklingshemming i Vestvågøy kommune. Poster presentation, Farmasidagene, November 14-15, 2024, Oslo, Norway.

56. Alhaidari N, **Björnsdottir I**, Lauritzen F, Christensen S, Gjelstad A. Yngre mannlige fotballutøveres holdninger til legemidler og kosttilskudd. Poster presentation, Farmasidagene, November 14-15, 2024, Oslo, Norway.
57. Strand S, **Björnsdottir I**, Lauritzen F, Christensen S, Gjelstad A. Yngre kvinnelige fotballspilleres holdninger til bruk av legemidler og kosttilskudd, og deres forhold til rusmidler og doping i idrett. Poster presentation, Farmasidagene, November 14-15, 2024, Oslo, Norway.
58. Christensen S, Lauritzen F, **Björnsdottir I**, Gjelstad A. Innsikt i antidopingkunnskap blant apotekfarmasøyter i Norge: Bruk av simulert pasient. Poster presentation, Farmasidagene, November 14-15, 2024, Oslo, Norway.
59. **Mulac A**, Meland-Tangen L, Mayaboti CA, Singireddy D, Reine E. Safety interventions to prevent errors in the perioperative setting: A scoping literature review. Poster presentation, Nordic Research Network for Safety and Quality in Healthcare - NSQH 2024, August 29-30, 2024, Oslo, Norway.

Lectures

International external lectures

1. **A. Lupattelli**. Pharmacotherapy Safety and Effectiveness in pregnancy and lactation. ESCP Spring Workshop. 25. April 2024.
2. **N. Trinh**. Expanding the OMOP Common Data Model to support perinatal research in network studies. IMI EHDEN Community call meeting. 18. March 2024.
3. **N. Trinh**. Effectiveness of COVID-19 vaccines to prevent long COVID: data from Norway. OHDSI Community call meeting. 25. June 2024.
4. **M. Zidan**. Target Trial Emulation Assessing the Effectiveness of the Pfizer mRNA Vaccine in Pregnant Women. Fourth VERDI General Assembly in Estonia. 18. June 2024.
5. **A.G. Granås**. Innovation of “e-Dosette” Pill Dispenser – a Design Thinking study. Cost Enable Network meeting, WG2. Enable repository WG2 meeting. 29. May 2024.
6. **A.G. Granås**. Adapted admission for pharmacists with a master's degree from countries outside the EU/EEA – A tailor-made program at the Department of Pharmacy. European Association of Faculties of Pharmacy Conference. Bergen, 16. May 2024.
7. **H. Nordeng**. Role of Real World Data for Regulatory Science when Randomized Clinical Trials are Not Feasible: Lessons Learned from Perinatal Pharmacoepidemiology. ISPE Annual Meeting. Berlin, Germany. 26. August 2024.
8. **M. van Gelder**. Role of Real World Data for Regulatory Science when Randomized Clinical Trials are Not Feasible: Lessons Learned from Perinatal Pharmacoepidemiology. ISPE Annual Meeting in Berlin. 26. August 2024.
9. **H. Nordeng**. Drugs in Pregnancy and Lactation regulatory labelling - status and perspectives from EMA. ENTIS-OTIS Meeting 2024. Nyborg, Denmark. 15. September 2024.
10. **H. Nordeng**. Perinatal pharmacoepidemiology – from RWD to RDE. 30th Anniversary of the Danish Society of Pharmacoepidemiology (DSPE). Nyborg, Denmark. 16. September 2024.
11. **H. Nordeng**. Pharmacoepidemiology and Drug Safety Research Group. Guest lecture, University of Southern. Denmark. 2. October 2024.
12. **A. Giorcelli**. Progression across different psychiatric states in offspring up to adolescence following prenatal exposure to antidepressant trajectories. SGUL statistical seminar. London, Saint George's University of London. United Kingdom. 24. April 2024.

National external lectures

1. **H. Nordeng**. Use of Norwegian real-world health data to fill knowledge gaps about the use, effectiveness, and safety of medications and vaccines in the population. Oslo, 28. February 2024.

2. **H. Nordeng.** dScience Lunch Seminar: Capitalizing on Norwegian health registry data in large European federated data base initiatives. Oslo, 23. May 2024.
3. **A.G. Granås.** Medisiner og diabetes. For mye eller for lite? Diabetesforeningen. Litteraturhuset. Oslo, 14. February 2024.
4. **A.G. Granås.** Medisiner og diabetes. For mye eller for lite? Diabetesforeningen. Thon hotel Opera. Oslo, 25. April 2024.
5. **A.G. Granås.** Why should you spend time on “Pinse”? -Little did we know that... The Nordic “Pinsestevne”. University of Oslo, 17. March 2024.
6. **H. Nordeng.** Legemidler og graviditet – hva har MoBa lært oss? MoBa 25th Anniversary seminar, Oslo, 30. October 2024.
7. **H. Nordeng.** Legemidler og graviditet – hva har legemiddeldata gitt oss av ny kunnskap. Legemiddeldata 20-years, November 2025
8. **A.V. Josendal.** PLL systemer i Norden. Webinar. Kunnskapfronten i klinisk farmasi. 2. april 2024
9. **A.V. Josendal & A.G. Granås.** Erfaringer med e-multidose – tips til samhandling! Webinarserie om digital legemiddelhåndtering samarbeid mellom Farmasøytisk institutt, sykehusapotekene HF, sykehusapoteket Kalnes og NSE. 11. October 2024
10. **A.G. Granås.** Tilbakeblikk i farmasihistorien – hva har vært den største endringen? Key note lecture. Farmasidagene 2024, 14. november 2024.

National publications

1. **Mulac A,** Elvik S, Flesland Ø. Lack of clarity about 'patient safety incidents'. Uklart om uønskede hendelser. Tidsskrift for den Norske Lægeforening. 2024; 144(5): Article 10.4045/tidsskr.24.0053. doi: 10.4045/tidsskr.24.0053.
2. Lehnbohm EC, Rakicevic A, Skjold F, Svendsen K, **Björnsdottir I,** Andersson Y, Elenjord R. Use of time in open pharmacy sections of Norwegian hospital pharmacies: a time-and-movement study. Tidsbruk i publikumsavdelinger på norske sykehusapotek – en tids- og bevegelsesstudie. Norsk Farmaceutisk Tidsskrift. 2024; 132(1):26-32.

National guidelines

1. Vasilis Sitras, **Hedvig Nordeng.** Vaksinasjon i svangerskap og ammeperiode I: Veileder i fødselshjelp, Den norske legeforening, sist oppdatert 2024.
2. **Hedvig Nordeng.** Antibiotika ved graviditet og amming. Antibiotika senter for primærhelsetjenesten (ASP), sist oppdatert 2024.
3. Laila Sortvik Nilssen, **Hedvig Nordeng.** Kapittel G7: Graviditet og legemidler. Norsk legemiddelhåndbok, sist oppdatert 2024.
4. **Hedvig Nordeng,** Laila Sortvik Nilssen. Kapittel G8: Amming og legemidler. Norsk legemiddelhåndbok, sist oppdatert 2024.

International guidelines

1. **Lupattelli A.** Evidence-Based Clinical Practice Guidelines For Prevention, Screening and Treatment Of Peripartum Depression. Riseup-PPD COST Action funded by the EU. Updated January 2024
2. **Lupattelli A.** IARC Monograph 137 - evaluation of the carcinogenicity of Hydrochlorothiazide, voriconazole, and tacrolimus. IARC WHO. Finalized November 2024.

Guest researchers

1. **Emma van Wijk,** Radboud University Nijmegen, The Netherlands. *Antidepressant use before and during pregnancy and postpartum weight retention.* February–June 2024.
2. **Takamasa Sakai,** Meijo University, Japan. *Antipsychotics in pregnancy and the risk of adverse pregnancy outcomes - a nationwide study.* April 2024-March 2025.

3. **Indrė Trečiokienė**, Vilnius University, Lithuania. *Assistance in development of Pharmacy Games and joint participant of COST network, Enable Adherence*. April 2024.
4. **Sara Salvadori**, University of Milano, Italy. *Time-dependent effect of prenatal antidepressant exposure on eating disorder symptoms in children at age 14 years*. May-October 2024.
5. **Kristian Filion**, McGill University, Canada. *The impact of paternal risk factors on studies of maternal prescription drug use and congenital malformations - among women with type 2 diabetes*. May-June 2024.
6. **Beatrice Cosentino**, University of Milano, Italy. *Natural history and determinants of difficult-to-treat depression in adolescents born to women with a mental illness around pregnancy*. September 2024-January 2025.
7. **Theresa Burkard**, University of Oxford, U.K. *Validation of OMOP pregnancy algorithm on Norwegian Linked Health Registry data*. December 2024- January 2025.

UIO:LifeScience summer students

1. **Zeenat Fatima Chatha**, University of Oslo Institute for Health and Society. *Enhancing Multinational Real-World Studies on Safety of Medications: Mapping the Nordic Varenummer (vareNr) to the Standard Vocabulary*. June-August 2024.
2. **Petrica Ioan Olteanu**, University of Oslo Institute for Health and Society. *Creating a dashboard for Data Quality Checks*. June-August 2024.

Public outreach

1. **Hedvig Nordeng**, Apokus e-learning Course Gravide og Legemidler, **for farmasøyter**.
2. **Hedvig Nordeng**, Apokus e-learning Course Gravide og Legemidler, **for apotekansatte**.

Media coverage

1. [Gikk ned ti kilo under graviditeten](#): Var veldig redd TV2 | Hedvig Nordeng
3. [En nullvisjon for legemiddelhåndtering](#): Dagens Medisin | Anne Gerd Granås
4. [Tilgangen på livsviktige hjartemedisinar vart ikkje hemma under pandemien](#): FAI | Hedvig Nordeng
5. [Tilgangen på livsviktige hjartemedisinar vart ikkje hemma under pandemien](#): Titan | Hedvig Nordeng
6. [Tilgangen på livsviktige hjartemedisinar vart ikkje hemma under pandemien](#): forskning.no | Hedvig Nordeng
7. [Jeg følte at jeg tålte depresjon bedre enn bekymringen over om medisinen påvirket ungen](#): Titan | Angela Lupattelli, Hedvig Nordeng
8. [Norske hockeyspelarar har høgt forbruk av smertestillande og sovemedisin](#): Titan | Ingunn Björnsdottir
9. [Mattekrav sykepleiere](#): NRK Dagsrevyen | Alma Mulac
10. [Slankemedisin kan kanskje gjera det lettare å bli gravid](#): forskning.no | Anne Gerd Granås
11. [Slankemedisin kan gjera det lettare å bli gravid](#): Titan | Anne Gerd Granås
12. [Slankemedisin kan kanskje gjera det lettare å bli gravid](#): FAI | Anne Gerd Granås
13. [Vil senke mattekrav til sykepleiere: – Kan gå ut over pasient-sikkerheten](#): NRK | Alma Mulac
14. [Forskning: Vaksinasjon beskytter mot senfølger etter covid-19](#): Aftenposten/NTB | Hedvig Nordeng
15. [Paracetamol kan påvirke utviklingen av hjerneceller hos fosteret](#): Forskning.no/Titan | Mari Spiidrejorde/Kristina Gervin
16. [Her gjør de narkotikaregnskapet på mobil: – Utrolig nok nybrottsarbeid](#): Sykepleien | Anne Gerd Granås
17. [Slankemedisin kan kanskje gjera det lettare å bli gravid](#): Farmatid | Anne Gerd Granås
18. [Spillifiserer farmasiutdanningen](#): Farmatid | Mia C.N. Heimdal

19. [11 gonger fleire barn blir covid-vaksinerte når mor har tatt same vaksinen](#) FAI | Saima Orangzeb
20. [11 gonger fleire barn blir covid-vaksinerte når mor har tatt same vaksinen](#) forskning.no | Saima Orangzeb
21. [Elleve gonger fleire barn blir covid-vaksinerte når mor har tatt same vaksinen](#) Titan | Saima Orangzeb
22. [Historisk tilbakeblikk til verdenskongress for farmasistudenter i 1993](#) Farmatid | Anne Gerd Granås
23. [Norske farmasistudenter inne i det gode internasjonale selskap](#) Farmatid | Anne Gerd Granås
24. [Ny podkast med gamle farmasøytar](#) FAI | Anne Gerd Granås
25. [Farmasihistorier 1: Holger Moe Tørisen](#) MUV | Anne Gerd Granås
26. [Farmasihistorier 2: Eli Bjørke](#) MUV | Anne Gerd Granås
27. [Farmasihistorier 3: Annemor Smedstad](#) MUV | Anne Gerd Granås
28. [Farmasihistorier 4: Per Flatberg](#) MUV | Anne Gerd Granås
29. [Ny podkast med gamle farmasøytar](#) Titan | Anne Gerd Granås
30. [Farmasihistorier 5: Gro Lillebye](#) MUV | Anne Gerd Granås
31. [Farmasihistorier 6: Marit Andrew](#) MUV | Anne Gerd Granås
32. [Farmasihistorier 7: Mathis Gundersveen](#) MUV | Anne Gerd Granås
33. [Farmasihistorier 8: Atle Naterstad](#) MUV | Anne Gerd Granås
34. [Farmasihistorier 9: Trygve Fjeldstad](#) MUV | Anne Gerd Granås
35. [Politikk eller pasientsikkerhet?](#) TV2 | Anne Gerd Granås
36. [Ingen oversikt over dødsfallene](#) (frå 4:14) TV2-nyhetene | Anne Gerd Granås
37. [Krever endring etter TV 2-avsløringer](#) TV2 | Anne Gerd Granås
38. [Farmasihistorier 10: Ingrid Grønlie](#) MUV | Anne Gerd Granås
39. [Farmasihistorier 11: Kjersti Bakken](#) MUV | Anne Gerd Granås
40. [Mange interessante og noen saftige historier fra norsk farmasi i ny podcast](#) Farmatid | Anne Gerd Granås
41. [Farmasihistorier 12: Berit Stiberg](#) MUV | Anne Gerd Granås
42. [Farmasihistorier 13: Thrina Loennechen](#) MUV | Anne Gerd Granås
43. [Vigdis \(58\) ble aldri den samme etter sykehus-besøket](#) TV2 | Anne Gerd Granås
44. [Farmasihistorier 14: Inger Johanne Ektvedt](#) MUV | Anne Gerd Granås
45. [Farmasihistorier 15: Jens Kristian Wold](#) MUV | Anne Gerd Granås
46. [Farmasihistorier 16: Grethe Eide](#) MUV | Anne Gerd Granås
47. [Farmasihistorier 17: Angelika Kruse Jensen](#) MUV | Anne Gerd Granås
48. [Farmasihistorier 16: Erik Andrew](#) MUV | Anne Gerd Granås
49. [Farmasihistorier 19: Håvard Selby Ebbestad](#) MUV | Anne Gerd Granås
50. [Farmasihistorier 20: Per Kristian Faksvåg](#) MUV | Anne Gerd Granås
51. [Farmasihistorier 21: Helge Knudsen Strømme](#) MUV | Anne Gerd Granås
52. [Farmasihistorier 22: Liv Slettevold](#) MUV | Anne Gerd Granås
53. [Farmasihistorier 23: Sissel Brinchmann](#) MUV | Anne Gerd Granås
54. [Faren avblåst: risikoen for misdanninger aukar ikkje om far brukar vanleg diabetesmedisin](#) FAI | Hedvig Nordeng
55. [Farmasihistorier 24: Sidsel Kristiansen](#) MUV | Anne Gerd Granås
56. [Farmasihistorier 25: Karl Arne Wærnhus](#) MUV | Anne Gerd Granås
57. [Forskerforbundets Hjernekraftpris til Hedvig Nordeng](#) Forskerforbundet | Hedvig Nordeng
58. [Hjernekraftprisen til forskning på kvinnehelse](#) Teknisk Uteblad | Hedvig Nordeng
59. [Hjernekraftprisen til Hedvig Nordeng](#) Khrono | Hedvig Nordeng
60. [Hjernekraftprisen til kvinnehelse](#) Telemarkavisa | Hedvig Nordeng
61. [Forskerforbundets Hjernekraftpris til Hedvig Nordeng](#) VG | Hedvig Nordeng
62. [Hjernekraftprisen til forskning på kvinnehelse](#) Bergenavisen | Hedvig Nordeng
63. [Forskerforbundets Hjernekraftpris til Hedvig Nordeng](#) Stavanger Aftenblad | Hedvig Nordeng
64. [Forskerforbundets Hjernekraftpris til Hedvig Nordeng](#) Titan | Hedvig Nordeng

65. [Forskerforbundets Hjernekraftpris til Hedvig Nordeng](#) FAI | Hedvig Nordeng
66. [Årets hjernekraftpris går til farmasøyt Hedvig Nordeng](#) Farmatid | Hedvig Nordeng
67. [Diabetes type 2: Risikoen for misdanninger på foster aukar ikkje om far brukar vanleg diabetesmedisin](#) forskning.no | Hedvig Nordeng
68. [Farmasihistorier 26: Gunvor Solheim](#) MUV | Anne Gerd Granås
69. [Farmasihistorier 27: Signe Holta Ringertz](#) MUV | Anne Gerd Granås
70. [Farmasihistorier 28: Inger Lise Eriksen](#) MUV | Anne Gerd Granås
71. [Farmasihistorier 29: Svein Haavik](#) MUV | Anne Gerd Granås
72. [Farmasihistorier 30: Erling Bruun](#) MUV | Anne Gerd Granås
73. [Farmasihistorier 31: Berit Smestad Paulsen](#) MUV | Anne Gerd Granås
74. [Farmasihistorier 32: Merete Klausen](#) MUV | Anne Gerd Granås
75. [Risikoen for misdanninger aukar ikkje om far brukar vanleg diabetesmedisin](#) Titan | Hedvig Nordeng
76. [Legemidler under graviditet gir sjelden misdannelser hos barnet](#) Kilden | Hedvig Nordeng
77. [Forskning: Viktige medisiner kan være kreftfremkallende](#) Nettavisen | Angela Lupattelli
78. [Forskning: Viktige medisiner kan være kreftfremkallende](#) Titan | Angela Lupattelli
79. [Forskning: Viktige medisiner kan være kreftfremkallende](#) Finnmarksposten | Angela Lupattelli
80. [Forskning: Viktige medisiner kan være kreftfremkallende](#) iFinnmark | Angela Lupattelli
81. [Alt eg ynskjer, er å kunna smila til barnet mitt](#) Titan | Angela Lupattelli
82. [Medici diversi curano la depressione in modo diverso](#) Univadis from Medscape | Angela Lupattelli
83. [No link to birth defects found for potential fathers taking metformin for diabetes](#) MedicalXpress | Marleen van Gelder, Hedvig Nordeng
84. [No link to birth defects for potential fathers taking metformin for diabetes](#) EurekAlert! | Marleen van Gelder, Hedvig Nordeng
85. [Dad's Use of Diabetes Med Metformin Won't Raise Birth Defect Risk](#) U.S. News & World Report | Marleen van Gelder, Hedvig Nordeng
86. [Dad's Use of Diabetes Med Metformin Won't Raise Birth Defect Risk](#) Drugs.com | Marleen van Gelder, Hedvig Nordeng
87. [Paternal Metformin Does Not Increase Risk for Congenital Malformations](#) Drugs.com | Marleen van Gelder, Hedvig Nordeng
88. [Men and Diabetes Drug Metformin: No Raised Birth Defect Risk](#) UPI.com | Marleen van Gelder, Hedvig Nordeng
89. [Paternal Metformin Use Does Not Increase Risk for Congenital Malformations](#) HealthDay | Marleen van Gelder, Hedvig Nordeng
90. [Dad's Use of Diabetes Med Metformin Won't Raise Birth Defect Risk](#) HealthDay | Marleen van Gelder, Hedvig Nordeng

Awarded research grants

1. Angela Lupattelli. **Vac4EU Pfizer Bivalent**. 2024-2026.
2. Angela Lupattelli. **Vac4EU Pfizer RSV**. 2024-2025.
3. Angela Lupattelli. **IQVIA Tacrolimus**. 2024-2025.
4. Angela Lupattelli. **MedEngine CLL Study**. 2024-2026.
5. Hedvig Nordeng, Angela Lupattelli. **NordicCoherence2**. 2025.
6. Hedvig Nordeng. Funding for a 3-year PhD project in collaboration with **National Center for Women's Health**.
7. Hedvig Nordeng. **EMAROC20 Antiepileptics**. 2024 – 2025.
8. Hedvig Nordeng. **EMAROC18 Vaccine Safety**. 2024-2025.
9. Hedvig Nordeng, Nhung Trinh, Saeed Hayati, DARWIN studies:
 - a. **DARWIN HPV study**,
 - b. **DARWIN AESIs study**
 - c. **DARWIN JAKI study**

- d. **DARWIN NSAIDs & VTE study**
 - e. **DARWIN Cardiomyopathy characterization**
 - f. **DARWIN Miscarriage study**
 - g. **DARWIN Child HIV study**
10. Saeed Hayati, Hedvig Nordeng, **Enhancing Multinational Drug Safety Studies - Mapping the Nordic Varenummer (vareNr) to the Standard Vocabulary.** UiOLifeScience summer students, 2 * 50,000 NOK. 2024.
 11. Anteneh A. Desalegn. **UiO:Life Science internalization support**, 50,000 NOK. 2024. Research visit to UCL Great Ormond Street Institute of Child Health.
 12. Milica Zugic – **UiO:Life Science internationalization support**, 50,000 NOK. Organization of a workshop with international researchers related to MAMP study. 2024.
 13. Nhung Trinh. **UiO:Life Science internationalization support**, 50,000 NOK. Research visit to Kyoto University. 2024.
 14. Nhung Trinh, Toshiki Fukasawa, Takanori Yanai, Takayuki Okura. **International Collaborative Research Grant by Pfizer Health Research Foundation.** 2.6 million yen (193.000 NOK). 2024-2025.
 15. Nhung Trinh. **Åsgard Horizon program 2025.** 7000 euros. 2025-2026.
 16. Nhung Trinh, Angela Lupattelli. **UiO:Life Science internationalization support.** 100.000 NOK. Workshops with international researchers. 2025.
 17. Angela Lupattelli, Nhung Trinh, Anteneh Desalegn. **UiO:Life Science internationalization support.** 96000 NOK. Workshops with international researchers. 2025.
 18. Lavin Kadir. "Observational studies of the Health Platform - What works and what can be improved?" **NFS Funding.** 15.000 NOK. 2024-2025
 19. Lavin Kadir, Research stay with collaborating partners in Helsinki, Finland. **NordicPoP.** 82.000 NOK. 2025.
 20. Lavin Kadir. Observational studies comparing the use of the joint medical references in Norway with Medicin.dk in Denmark **Stiftelsen for fremme av norsk apotekfarmasi.** 20.000 NOK. 2024-2025
 21. Thien-Kim Trinh. Psychiatric and Somatic Comorbidity and Complex Medication Use in Pregnant and Postpartum Individuals. **NFS Funding.** 20.000 NOK. 2024-2025.
 22. Emma van Wijk. Funding to attend the NOFE conference. **DURG Norway.** 6.000 NOK. 2024.
 23. Sara Salvadori. Funding to attend the NOFE conference. **DURG Norway.** 6.000 NOK. 2024.
 24. Alexis Carson. **Robert og Ella Wenzins legat ved Universitetet i Oslo.** 64 000 NOK. Research visit to Karolinska Institutet 2025.
 25. Alexis Carson. **International Society for Pharmacoepidemiology (ISPE).** 730 USD (8.127 NOK) scholarship and 619 NOK (6.891NOK) ISPE 2024 conference fee.

Master's projects finished in May/June

Internal Master's projects

1. **Danijela Savovic:** Kan tilleggsbehandling som antipsykotika, vitamin D eller omega-3 øke effekten av antidepressiva hos gravide kvinner med depresjon og angst? Main supervisor: **Angela Lupattelli.**
2. **Maymuna Aba Yusuf:** Kan tilleggsbehandling som antipsykotika, vitamin D eller omega-3 øke effekten av antidepressiva hos gravide kvinner med depresjon og angst? Main supervisor: **Angela Lupattelli.**
3. **Muhammad Bilal Arshad:** Overgang fra papirbasert til elektronisk multidose. Main supervisor: **Anne Gerd Granås.** co-supervisor: **Anette Vik Jøsendal.**
4. **Badra Mohamed:** Etterlevelse av legemidler i svangerskapet - en multinasjonal undersøkelse. Main supervisor: **Hedvig Nordeng.**

5. **Jenny Nguyen:** Etterlevelse av legemidler i svangerskapet - en multinasjonal undersøkelse. Main supervisor: **Hedvig Nordeng.**
6. **Emilie Bredal Eriksen:** Pharmacovigilance procedures related to use of medications during pregnancy and breast feeding. Main supervisor: **Hedvig Nordeng.**
7. **Muhammad Farooq:** Safety of antibiotic use during pregnancy: a systematic review. Main supervisor: **Nhung Trinh.**
8. **Milos Vasilov:** Safety of antidepressant use during pregnancy: a systematic review. Main supervisor: **Nhung Trinh.**
9. **Synne Strand:** Hva er kulturen for legemiddelbruk i utvalgte idretter - kvalitativ studie. Main supervisor: **Ingunn Björnsdottir.**
10. **Nadia Alhaidari:** Hva er kulturen for legemiddelbruk i utvalgte idretter - kvalitativ studie. Main supervisor: **Ingunn Björnsdottir.**
11. **Marija Andric:** Innovasjon av e-Dosett Tverrfaglig utvikling av app, kassett og dispenser ved bruk av Design Thinking metode. Main supervisor: **Anne Gerd Granås**, co-supervisor: Aud-Inger Gamlem og Bjørn Toreid.
12. **Jelena Stojanovic:** Tverrfaglig innovasjon av e-Dosett Bruk av Design Thinking metode til å videreutvikle medisinsplaner, prosedyrer for trygg og effektiv fylling og dobbeltkontroll. Main supervisor: **Anne Gerd Granås**, co-supervisor: Aud-Inger Gamlem og Bjørn Toreid.
13. **Aisha Adam Mahmoud:** Uønskede hendelser ved ordinering av risikolegemidler i sykehus ¾ før og etter innføring av elektronisk kurve. Main supervisor: **Anne Gerd Granås**, co-supervisor: **Alma Mulac.**
14. **Houda Ossi:** Pasientsikkerhet ved ordinering av legemidler i sykehusuønskede hendelser relatert til mangel på ordinering før og etter implementering av elektronisk kurve. Main supervisor: **Anne Gerd Granås**, co-supervisor: **Alma Mulac.**
15. **Ida Marie Synnestvedt.** Kan apotekfarmasøyt i samarbeid med fastlege identifisere og redusere antall legemiddelrelaterte problem hos private multidosebrukere? Main supervisor: Marianne Lea, co-supervisor: **Anette Vik Jøsendal.**

External Master's projects

1. **Emma Van Wijk** (external thesis with Radboud University): Antidepressant use before and during pregnancy and postpartum weight retention. Main supervisor: **Nhung Trinh**; co-supervisor: **Angela Lupattelli.**
2. **Sara Salvadori** (external thesis with University of Milano-Bicocca): Time-dependent effect of prenatal antidepressant exposure on eating disorder symptoms in children at age 14 years. Main supervisor: **Angela Lupattelli.**
3. **Zeenat Fatima Chatha** (external thesis with International Community Health Programme, UiO): AD initiation in the postpartum and maternal mental health outcomes. Main supervisor: **Angela Lupattelli**; co-supervisor: **Nhung Trinh.**
4. **Julius Fru Che** (external thesis with The University of Bordeaux, France): Reproductive Safety Of Vortioxetine: A Disproportionality Analysis Using FAERS Data. Supervisors: **Angela Lupattelli and Nhung Trinh.**
5. **Wei Zhang** (external thesis with The University of Bordeaux, France): Pregnancy loss associated with medication treatment for alcohol use disorder: A pharmacovigilance analysis of the FDA Adverse Event Reporting System (FAERS) database. Supervisors: **Angela Lupattelli and Nhung Trinh.**
6. **Oda Mathilde Abrahamsen Bøe** (external thesis with UiT - the Arctic University of Norway): Updated title to be added. Supervisors: Kjell Halvorsen, Elin Lehnbo, **Anne Gerd Granås**, Guro Forsdahl, Berit Mosseng Sjølie, Beate Garcia.
7. **Tina Julie Vollan** (external thesis with UiT - the Arctic University of Norway). Updated title to be added. Supervisors: Elin Lehnbo, **Anne Gerd Granås**, Guro Forsdahl, Berit Mosseng Sjølie, Beate Garcia, Kjell Halvorsen.
8. **Nilofar Ali Mohammadi** (external thesis with UiT - the Arctic University of Norway): Updated title to be added. Supervisors: Elin Lehnbo, **Anne Gerd Granås**, Guro Forsdahl, Berit Mosseng Sjølie, Beate Garcia, Kjell Halvorsen.

Reports to the European Medicines Agency (EMA)

1. Durán CE, Gini R, Messina D, Riefolo F, Riera J, Hoxhaj V, Mohammadi S, Sturkenboom M, Ehrenstein V, Villalobos F, Gimeno A, **Nordeng H, Hayati S, Zidan M.** (2024). *SAFETY-VAK Study Report for Objective 1 (Network of Data Sources for Vaccine Safety Evaluation)*. Submitted to the EMA in April 2024.
2. Durán CE, Gini R, Messina D, Riefolo F, Riera J, Hoxhaj V, Mohammadi S, Pazos Capell I, Ehrenstein V, Roberto G, Souverein P, Gardarsdottir H, Giraldi A, Hyeraci G, Giaquinto C, Barbieri E, Stona L, Villalobos F, Solórzano M, ... Sturkenboom M. (2024). *SAFETY-VAC: Network of Data Sources for Vaccine Safety Evaluation*. Zenodo. <https://doi.org/10.5281/zenodo.13384860>
3. Durán CE, Messina D, Gini R, Riefolo F, Aragón M, Barbieri E, Belitser S, Bissacco CA, Bots SH, de Burgos A, Carreras-Martínez JJ, Correcher-Martínez E, Douglas I, Garcia-Poza P, Girardi A, Herings R, Hoxhaj V, Huerta C, Hyeraci G, ... Sturkenboom M. (2023). *Rapid Safety Assessment of SARS-CoV-2 Vaccines in EU Member States Using Electronic Healthcare Data Sources (COVID Vaccine Monitor-CVM Study): Final Study Report for WP3 (Electronic Health Record Data). Lessons Learned about Methods of Monitoring COVID-19 Vaccine Safety*. Utrecht, the Netherlands. Zenodo. <https://doi.org/10.5281/zenodo.10093613>

PharmaSafe Members 2024

Name	Position
Anne Gerd Granås	Professor
Angela Lupattelli	Professor
Hedvig Marie Egeland Nordeng	Professor
Ingunn Björnsdottir	Associate Professor
Maren Mackenzie Olson	Research coordinator
Marleen van Gelder	Senior researcher (50%)
Nhung Trinh	Senior researcher/ lecturer (20%) (from Oct)
Anteneh Assefa Desalegn	Researcher
Saeed Hayati	Researcher
Saima Orangzeb	Researcher (until June)
Mahmoud Zidan	Researcher
Alma Mulac	Post doc (until Sept)/Guest researcher
Emilie Willoch Olstad	Post doc
Akhila Srinivas Reddy	PhD student
Alexis Christine Carson	PhD student
Eirin Guldsten Robinson	PhD student
Fatima Tauqeer	PhD student
Liv Vidas	PhD student
Lavin Kadir	PhD student
Milica Zugic	PhD student
Anne Gyri Gløersen	Lecturer (50%)
Hilde Kloster Smerud	Lecturer (20%) (until Sept)
Mia Catharina Nikolaisen Heimdal	Lecturer (40%)
Anette Vik Jøsendal	Guest researcher
Eivind Ystrøm	Guest researcher
Kristina Gervin	Guest researcher
Mollie Wood	Guest researcher

Report editor: Hedvig Nordeng and Maren Olson

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PharmacoEpidemiology and Drug Safety (PharmaSafe) - Department of Pharmacy

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