Universiteit Leiden
The Netherlands

Towards improving quality of the evidence base for medical decision-making

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Citation

Jansen, M. S. (2026, January 21). *Towards improving quality of the evidence base for medical decision-making*. Retrieved from https://hdl.handle.net/1887/4289977

Version:	Publisher's Version
License:	Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden
Downloaded from:	https://hdl.handle.net/1887/4289977

Note: To cite this publication please use the final published version (if applicable).

Appendix.

Curriculum Vitae

Curriculum Vitae

Marieke Sophie Jansen was born on 19 November 1990 in Noordwijkerhout, the Netherlands. She completed her pre-university education (VWO) at Leeuwenhorst College, Noordwijkerhout (2002–2008) and attended a preparatory year at the Royal Academy of Art (KABK), The Hague (2008). She then studied psychology at Leiden University (2009–2012), completing her bachelor's degree in an accelerated 2.5-year program. Subsequently, she pursued medicine at Erasmus University Rotterdam, obtaining her bachelor's (2012–2015) and master's (2015–2019) degrees. During this time, she developed a strong interest in scientific research and epidemiological methods, taking additional electives in epidemiology.

After graduating in medicine, she worked as a physician–researcher at Erasmus Medical Centre (2019–2020), combining clinical work in the paediatric eczema outpatient clinic with research activities, including the design and ethical approval of a randomised controlled trial, participation as an investigator in an industry-sponsored trial, and patient data collection.

In 2021, she started her PhD at the Department of Clinical Epidemiology, Leiden University Medical Centre (LUMC), under the supervision of Prof. dr. Olaf M. Dekkers and Prof. dr. Rolf H.H. Groenwold. Her doctoral research addressed challenges in the quality of the evidence base for medical decision-making, spanning from study design, execution, and dissemination of results, to translation of evidence into decision-making. She presented her work at several national and international conferences, and published in peer-reviewed journals. During her PhD, she completed formal training as a clinical epidemiologist and contributed to teaching activities.

Currently, she works at the Department of Clinical Epidemiology, LUMC, within the Research Integrity team led by Prof. dr. Frits R. Rosendaal, focusing on improving the quality and integrity of medical research.

List of publications

Published articles included in this thesis

Jansen MS, Groenwold RHH, Dekkers OM. The power of sample size calculations. *Eur J Endocrinol.* 2024 Oct 29;191(5):E5-E9.

Jansen MS, Groenwold RHH, Dekkers OM. The role of research ethics committees in addressing optimism in sample size calculations: A meta-epidemiological study. *Res Integr Peer Rev.* 2025; doi:10.1186/s41073-025-00184-w.

Jansen MS, Pet LA, Buijs JT, Siegerink B, Groenwold RHH, Dekkers OM. Identifying predictors of early trial termination: a meta-epidemiological study utilising elements of the research ethics committee evaluation. *J Clin Epidemiol.* 2025 Aug;184:111832.

Jansen MS, Dekkers OM, Groenwold RHH, Siegerink B. Publication rates in small German trials remained low five years after trial completion. *Contemp Clin Trials.* 2022 Oct;121:106899.

Jansen MS, Dekkers OM, le Cessie S, Hooft L, Gardarsdottir H, de Boer A, Groenwold RHH. Real-World Evidence to Inform Regulatory Decision Making: A Scoping Review. *Clin Pharmacol Ther.* 2024 Jun;115(6):1269-1276.

Jansen MS, Dekkers OM, le Cessie S, Hooft L, Gardarsdottir H, de Boer A, Groenwold RHH. Multiple Perspectives on the Need for Real-World Evidence to Inform Regulatory and Health Technology Assessment Decision-Making: Scoping Review and Stakeholder Interviews. *Pharmacoepidemiol Drug Saf.* 2025 Jan;34(1):e70074.

Other publications

Dal-Ré R, Banzi R, Cristea IA, Fernández-de-Las-Peñas C, Hemkens LG, Janiaud P, Jansen MS, Naudet F, Rosendaal FR. Using the phases of clinical development of medicines to describe clinical trials assessing other interventions is widespread but not useful. *J Clin Epidemiol.* 2023 Sep;161:157-163.

Jansen MS. Valproïnezuurgebruik door vaders voor de conceptie. *Gebu.* 2025;59(3):e2025.3.8.

van Mierlo MMF, Caspers PJ, Jansen MS, Puppels GJ, Nouwen AEM, Bronner MB, Pardo LM, van Geel M, Pasmans SGMA. Natural moisturizing factor as a biomarker for filaggrin mutation status in a multi-ethnic paediatric atopic dermatitis cohort. *Clin Exp Allergy.* 2021 Nov;51(11):1510-1513.

Ragamin A, Fieten KB, Tupker RA, de Wit J, van Mierlo MMF, Jansen MS, Bronner MB, Schappin R, Schuren FHJ, Romeijn MLE, Arents BWM, Polinder S, de Graaf M, Rustemeyer T, Schuttelaar MLA, Pasmans SGMA. The effectiveness of antibacterial therapeutic clothing based on silver or chitosan as compared with non-antibacterial therapeutic clothing in patients with moderate to severe atopic dermatitis (ABC trial): study protocol for a pragmatic randomized controlled trial. *Trials.* 2021 Dec 11;22(1):902.

PhD portfolio

PhD training		Hours	Year
Mandatory courses			
PhD Introductory Meeting		5	2021
Scientific Conduct for PhDs		5	2021
Basic Methods and Reasoning in Biostatistics		42	2022
Responsible Research (BROK)		42	2023
Epidemiological courses			
Epidemiology - The First Round		84	2021
Regression Analysis		42	2021
Clinical Epidemiology (Schiermonnikoog)		84	2021
Skills for the Practicing Epidemiologist		42	2021
Survival Analysis		42	2022
Prediction Modelling and Intervention Research		84	2022
Causal Inference		84	2022
Statistical Aspects of Clinical Trials		28	2022
Meta-analysis		42	2022
Advanced Epidemiological Methods		84	2022
Analysis of Repeated Measurements		42	2022
Other courses			
Using R for Data Analysis		42	2021
Schrijven van een overzichtsartikel voor een breed medisch publiek ('GeBu')		84	2024
Quality & Integrity journal club		28	2024
Capita Selecta		56	2025
Conference attendance and poster or oral presentations			**Year**
WEON (online)	Attendance		2021
WEON (Nijmegen)	Attendance		2022
WEON (Rotterdam)	Attendance, oral presentation		2023
GetReal Conference (Utrecht)	Attendance, oral presentation		2023
DIA Europe (Brussels)	Attendance, poster presentation		2024
World Conference on Research Integrity (Athens)	Attendance		2024
WEON (Utrecht)	Attendance		2024
WEON (Leiden)	Attendance, oral presentation		2025
Teaching activities			**Year**
Clinical Research in Practice (MSc Biomedical Sciences)			2021
Academic and Scientific Training Year 2 (BSc Medicine)			2021
Clinical Research Methods (BSc Biomedical Sciences)			2022
Critical Appraisal of a Topic (BSc Medicine)			2022
Clinical Research in Practice (MSc Biomedical Sciences)			2022
Honours - Clinical Scientific Research (BSc Medicine, BSc Biomedical Sciences)			2022
Critical Appraisal of a Topic (BSc Medicine)			2023
Design and Analysis of Biomedical Studies (BSc Biomedical Sciences)			2023
Practical Research Skills - Research proposals (MSc Medicine)			2023
Critical Appraisal of a Topic (BSc Medicine)			2024
Academic and Scientific Training Year 1 (BSc Medicine)			2024
Academic and Scientific Training Year 3 (BSc Medicine)			2024
Clinical Research Methods (BSc Biomedical Sciences)			2024
Clinical Research in Practice (MSc Biomedical Sciences)			2024
Practical Research Skills - Research proposals (MSc Medicine)			2024
Noordwijk Masters Course I (MSc Medicine, MSc Biomedical Sciences)			2025
Noordwijk Masters Course II (MSc Medicine, MSc Biomedical Sciences)			2025
Clinical Research in Practice (MSc Biomedical Sciences)			2025
Practical Research Skills - Responsible research (MSc Medicine)			2025
Student supervision			**Year**
Hamza Mian, MSc Biomedical Sciences internship			2024
Organising activities			**Year**
Capita Selecta chair			2022
EPI Summer School chair			2022
Peer review			**Year**
Pharmacoepidemiology & Drug Safety			2025
Research Integrity & Peer Review			2025
Award and prizes			**Year**
Best poster presentation DIA Europe (Brussels)			2024
Best oral presentation WEON (Leiden)			2025

Acknowledgements

Dankwoord

Dankwoord

De totstandkoming van dit proefschrift was niet mogelijk geweest zonder de begeleiding, hulp en steun van veel mensen, die ik graag wil bedanken.

Allereerst wil ik mijn promotoren, prof. dr. Olaf Dekkers en prof. dr. Rolf Groenwold, van harte bedanken. Olaf, jouw filosofische blik en vermogen om vanuit onverwachte perspectieven te redeneren zijn een voortdurende bron van inspiratie geweest. Rolf, jouw enthousiasme en optimisme werken aanstekelijk, en je toegankelijke manier van begeleiden motiveert enorm. Ik ben jullie beiden ontzettend dankbaar voor het vertrouwen, de vrijheid en het geduld dat jullie mij hebben gegeven tijdens mijn promotieproject.

To my colleagues at the department of Clinical Epidemiology, thank you for creating such a warm, fun and stimulating environment. Working in this department has been enjoyable and I could not have wished for a better group of people to share this journey with. To my roommates Esther and Ajda, you made me feel at home from the very first day of my PhD. Kamergenoten Mark, Roemer, en Ruben, dank voor alle gezelligheid, uitwisselingen van theetjes, comics en klusverhalen, epi-discussies en fantastische muziekmiddagen. And beyond my office walls, Eleonora, Jihee, and Lodewijk, thank you for all the laughs and cultural evenings filled with good food, exotic drinks and karaoke. You have all made my PhD years unforgettable.

To my dear friends Edvard, Maikel, and Charlie, thank you for your encouragement, for helping me to keep things in perspective when I needed it most, and for celebrating every little success along the way. Your friendship and support have meant so much throughout this journey.

Lieve papa en mama, dank jullie wel voor jullie onvoorwaardelijke liefde, steun en betrokkenheid. In elk piek en dal van mijn promotieproject gaven jullie me het vertrouwen en doorzettingsvermogen om dit tot een succes te maken.

Lieve Niels, dankjewel voor je liefde, geduld, humor, en relativeringsvermogen, juist tijdens de drukke en chaotische jaren waarin ik aan dit proefschrift werkte terwijl we ons droomhuis verbouwden. Zonder jou was dit niet mogelijk geweest. Ik kijk enorm uit naar de toekomst, waarin we samen kunnen genieten van alles wat we hebben opgebouwd, nieuwe avonturen beleven, en onze prachtige dochter mogen verwelkomen.

About the cover

The artwork depicts the landscape of clinical research as a constellation of dots and connections. Each dot represents a study or area of medical decision-making, and the lines between them trace how evidence builds and informs practice. Larger dots mark fields of major clinical relevance, while smaller, connected ones represent the many studies that together illuminate these areas. The unconnected dots symbolise research that, for various reasons such as problems in study design, execution, or dissemination of results, fails to contribute to clinical practice and remains isolated; it reflects research waste within the scientific enterprise.