

PERSONAL INFORMATION

Gartlehner Gerald

ORCID ID: 0000-0001-5531-3678

Date of birth: March 30, 1969

Nationality: Austria

EDUCATION

2001-2002 **Master of Public Health**; University of North Carolina at Chapel Hill, School of Public Health, USA

1987-1994 **Doctor of Medicine**; University of Vienna, School of Medicine, Vienna, Austria

CURRENT POSITION(S)

2011-present **Associate Director**; Research Triangle Institute – University of North Carolina, Evidence-based Practice Center, USA

2010-present **Co-Director Cochrane Austria**; WHO Collaborating Centre for Evidence-based Medicine

2008-present **Department Chair and Professor**; Department for Evidence-based Medicine and Evaluation, University for Continuing Education Krems, Austria

PREVIOUS POSITIONS

2007-2008 Senior Researcher; Ludwig Boltzmann Institute for Health Technology Assessments, Vienna, Austria

2003-2007 Associate Director of the RTI-UNC Evidence-based Practice Center; University of North Carolina at Chapel Hill, USA - Cecil G. Sheps Center for Health Services Research

2002-2003 Research Associate; Cecil G. Sheps Center for Health Services Research, Chapel Hill, USA

1995-2001 Hospital training and work as an emergency physician; City of Vienna Hospitals, St. John's Medical Emergency Service, Vienna, Austria

FELLOWSHIPS AND AWARDS

2024, 2023, 2022, 2021, 2020 Top 1% Highly Cited Researcher Award by Clarivate Web of Science

2021 Leopold Award for Health Communication

2008-present Research Fellow: Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, USA

2011-present Venia Docendi: Medical University of Vienna, Austria

2014, 2015, 2017, 2018 RTI Fellow Program: Awards as Career Author, Highly Published Author, Highly Cited Author, Outstanding Paper

2007, 2009 Health Technology Assessment International, Journal prize for best paper

TEACHING ACTIVITIES

University Courses

2015-present Evidence-based Medicine and Clinical Epidemiology, Landsteiner University for Health Sciences, Austria
2015-present Comparative Effectiveness Case Studies, Paris Descartes University, France
2003-2007 Critical Appraisal of the Medical Literature, University of North Carolina at Chapel Hill

Workshops at Universities

2010-present Introductory GRADE workshop, World Health Organization, Geneva
2008-present Cochrane workshops: Critical appraisal of the medical literature, author workshop
2017 Risk of Bias of Randomized Controlled Trials, Kazan University, Russia

ORGANISATION OF SCIENTIFIC MEETINGS

2024, 2022, European Forum for Evidence-Based Prevention, Austria
2019, 2017
2020 Scientific board of the 22nd Annual Conference of the German-speaking Network for Evidence-based Medicine, Berlin, Germany
2015 23rd Cochrane Colloquium, Vienna, Austria
2011 AHRQ Annual Research Conference, Rockville, USA

INSTITUTIONAL RESPONSIBILITIES

2022-present Member of Cochrane Editorial Board
2015-present Member of Faculty, Karl Landsteiner University for Health Sciences, Austria
2015-present Co-convenor of the Cochrane Rapid Reviews Working Group
2008-present Professor, Danube University Krems, Austria
2017-2018 Elected member of Cochrane Governing Board
2017-2018 Board member of Cochrane Innovations
2006-2009 Assistant Professor, School of Public Health, University of North Carolina, USA
2005-2010 Scientific Consultant for Best Buy Drugs, U.S. Consumers Union, Washington, USA

INVITED POSITIONS and DISTINCTIONS

2024-present Member of methods group of the Standing Committee on Vaccination, Robert Koch Institute, Germany
2021-present Co-Chair of the Austrian Cancer Screening Committee
2018-present Scientific Advisory Board Austrian Institute of Public Health, Vienna, Austria
2015-present Highest Advisory Board of the Austrian Ministry of Health
2015-2023 Scientific Advisory Board German Institute for Quality and Efficiency in Healthcare, Cologne Germany

- 2017-2020 Review panel member, systematic review funding program, German Ministry of Health
- 2017-2018 Advisory Board of Cochrane Germany, University of Freiburg, Germany
- 2017-2018 Panel member for evidence-based recommendations for screening in infants and children, Austrian Ministry of Health
- 2014 Panel member of WHO position paper on screening for diabetes and cardiovascular risk, Geneva, World Health Organization
- 2013 Panel member of WHO position paper on mammography screening, Geneva, World Health Organization
- 2010, 2018 Panel member, Conducting Quantitative Synthesis When Comparing Medical Interventions, Agency for Healthcare Research and Quality, USA

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- 2010-present Cochrane
- 2007-present European Public Health Association
- 2007-present German-speaking Network for Evidence-based Medicine
- 2007-present Austrian Society for Public Health
- 2007-present GRADE Working Group

PUBLICATIONS

Complete list of published work: <https://www.ncbi.nlm.nih.gov/myncbi/gerald.gartlehner.1/bibliography/public/>

Peer-reviewed publications: 288

H-Index: 72

Number of citations: more than 28,300

Number of publications cited more than 100 times: 57

SELECTED PUBLICATIONS (2025-2018)

Gartlehner G, Dobrescu A, Wagner G, Chapman A, Persad E, Nowak C, et al. Pharmacologic Treatment of Acute Attacks of Episodic Migraine: A Systematic Review and Network Meta-analysis for the American College of Physicians. *Ann Intern Med.* 2025 Mar 18. doi: 10.7326/ANNALS-24-02034. Epub ahead of print. PMID: 40096693.

Thaler K, Neubauer-Bruckner C, Feyertag J, Gadinger A, Persad E, Chapman A, Wagner G, Klerings I, **Gartlehner G**. Patients' Values and Preferences Regarding the Pharmacologic Treatment of Acute Episodic Migraine: A Rapid Review. *Ann Intern Med.* 2025 Mar 18. doi: 10.7326/ANNALS-24-02203. Epub ahead of print. PMID: 40096696.

Dobrescu A, Constantin AM, Pinte L, Chapman A, Ratajczak P, Klerings I, Emprechtinger R, Allegranzi B, Grayson ML, Toledo JP, **Gartlehner G**, Nussbaumer-Streit B. Effectiveness and safety of methods to prevent bloodstream and other infections and noninfectious complications associated with peripherally inserted central catheters: A systematic review and meta-analysis.

Clin Infect Dis. 2025 Feb 12:ciaf063. doi: 10.1093/cid/ciaf063. Epub ahead of print. PMID: 39935387.

Dobrescu AI, Moser I, Klerings I, **Gartlehner G**. Surveillance Note 1: Nonpharmacologic and Pharmacologic Treatments of Adult Patients With Major Depressive Disorder: A Systematic Review and Network Meta-analysis for a Clinical Guideline by the American College of Physicians. Ann Intern Med. 2025;Feb 4. doi: 10.7326/ANNALS-24-03637. Epub ahead of print. PMID: 39899857.

Siemens W, von Elm E, Binder H, Böhringer D, Eisele-Metzger A, **Gartlehner G**, et al. Opportunities, challenges and risks of using artificial intelligence for evidence synthesis. BMJ Evidence-Based Medicine. 2025:bmjebm-2024-113320.

Gartlehner G, Kahwati L, Nussbaumer-Streit B, Crotty K, Hilscher R, Kugley S, et al. From promise to practice: challenges and pitfalls in the evaluation of large language models for data extraction in evidence synthesis. BMJ Evidence-Based Medicine. 2024:bmjebm-2024-113199.

Wagner G, **Gartlehner G**, Thaler K, Ledingger D, Feyertag J, Klerings I, et al. Immunogenicity and safety of the 15-valent pneumococcal conjugate vaccine, a systematic review and meta-analysis. NPJ Vaccines. 2024;9(1):257.

Emprechtlinger R, Schwarzer G, Schreder G, Toelch U, **Gartlehner G**. Assessing the effectiveness of metaHelper: a randomized controlled trial of a web application for statistical transformations in meta-analysis. J Clin Epidemiol. 2024;179:111640.

King VJ, Nussbaumer-Streit B, Shaw E, Devane D, Kahwati L, Viswanathan M, **Gartlehner G**. Rapid reviews methods series: considerations and recommendations for evidence synthesis in rapid reviews. BMJ Evid Based Med. 2024;29(6):419-22.

Affengruber L, van der Maten MM, Spiero I, Nussbaumer-Streit B, Mahmić-Kaknjo M, Ellen ME, Goossen K, Kantorova L, Hooft L, Riva N, Poulentzas G, Lalagkas PN, Silva AG, Sassano M, Sfetcu R, Marués ME, Friessova T, Baladia E, Pezzullo AM, Martinez P, **Gartlehner G**, Spijker R. An exploration of available methods and tools to improve the efficiency of systematic review production: a scoping review. BMC Med Res Methodol. 2024;24(1):210.

Devane D, Hamel C, **Gartlehner G**, Nussbaumer-Streit B, Griebler U, Affengruber L, et al. Key concepts in rapid reviews: an overview. Journal of Clinical Epidemiology. 2024;175:111518.

Wagner G, Steiner D, Ohrenberger G, Smeikal M, Gisinger C, Moertl D, Nopp S, **Gartlehner G**, et al. Prevalence and incidence of venous thromboembolism in geriatric patients admitted to long-term care hospitals. Scientific reports. 2024;14(1):17737.

Dobrescu AI, Persad E, Klerings I, **Gartlehner G**. Update Alert 2: Nonpharmacologic and Pharmacologic Treatments of Adult Patients With Major Depressive Disorder: A Systematic Review and Network Meta-Analysis for a Clinical Guideline by the American College of Physicians. Ann Intern Med. 2024;177(8):e2400428.

Sommer I, Dobrescu AI, Persad E, Fangmeyer M, Klerings I, **Gartlehner G**. Outpatient Treatment of Confirmed COVID-19: A Living, Rapid Evidence Review for the American College of Physicians (Version 2, Update Alert). *Ann Intern Med*. 2024;177(8):e2400141.

Konet A, Thomas I, **Gartlehner G**, Kahwati L, Hilscher R, Kugley S, et al. Performance of two large language models for data extraction in evidence synthesis. *Res Synth Methods*. 2024;15(5):818-24.

Crotty K, Viswanathan M, Kennedy S, Edlund MJ, Ali R, Siddiqui M, Wines R, Ratajczak P, **Gartlehner G**. Psychotherapies for the treatment of borderline personality disorder: A systematic review. *J Consult Clin Psychol*. 2024;92(5):275-95.

Tran VT, **Gartlehner G**, Yaacoub S, Boutron I, Schwingshackl L, Stadelmaier J, et al. Sensitivity and Specificity of Using GPT-3.5 Turbo Models for Title and Abstract Screening in Systematic Reviews and Meta-analyses. *Ann Intern Med*. 2024;177(6):791-9.

Dobrescu A, Constantin AM, Pinte L, Chapman A, Ratajczak P, Klerings I, Emprechtinger R, Allegranzi B, Zingg W, Grayson ML, Toledo J, **Gartlehner G**, Nussbaumer-Streit B. Effectiveness and Safety of Measures to Prevent Infections and Other Complications Associated With Peripheral Intravenous Catheters: A systematic Review and Meta-analysis. *Clin Infect Dis*. 2024;78(6):1640-55.

Dobrescu AI, Persad E, Klerings I, **Gartlehner G**. Update Alert: Nonpharmacologic and Pharmacologic Treatments of Adult Patients With Major Depressive Disorder: A Systematic Review and Network Meta-analysis for a Clinical Guideline by the American College of Physicians. *Ann Intern Med*. 2024;177(4):eL23044.

Torbahn G, Jones A, Griffiths A, Matu J, Metzendorf MI, Ells LJ, **Gartlehner G**. et al. Pharmacological interventions for the management of children and adolescents living with obesity- An update of a Cochrane systematic review with meta-analyses. *Pediatric obesity*. 2024;19(5):e131113.

Gartlehner G, Kahwati L, Hilscher R, Thomas I, Kugley S, Crotty K, et al. Data extraction for evidence synthesis using a large language model: A proof-of-concept study. *Res Synth Methods*. 2024;15(4):576-89.

Garritty C, Hamel C, Trivella M, **Gartlehner G**, Nussbaumer-Streit B, Devane D, et al. Updated recommendations for the Cochrane rapid review methods guidance for rapid reviews of effectiveness. *BMJ (Clinical research ed)*. 2024;384:e076335.

Affengruber L, Nussbaumer-Streit B, Hamel C, Van der Maten M, Thomas J, Mavergames C, Spijker R, **Gartlehner G**. Rapid review methods series: Guidance on the use of supportive software. *BMJ Evid Based Med*. 2024;29(4):264-71.

Puljak L, Bala MM, Zając J, Meštrović T, Buttigieg S, Yanakoulia M, Briel M, Lunny C, Lesniak W, Poklepović Peričić T, Alonso-Coello P, Clarke M, Djulbegovic B, **Gartlehner G**, et al. *Methods*

proposed for monitoring the implementation of evidence-based research: a cross-sectional study. *Journal Clinical Epidemiology*. 2024;168:111247.

Gartlehner G, Nussbaumer-Streit B, Devane D, Kahwati L, Viswanathan M, King VJ, et al. Rapid reviews methods series: Guidance on assessing the certainty of evidence. *BMJ evidence-based medicine*. 2024;29(1):50-4.

Sommer I, Sunder-Plassmann V, Ratajczak P, Emprechtlinger R, Dobrescu A, Griebler U, **Gartlehner G**. Full publication of preprint articles in prevention research: an analysis of publication proportions and result consistency. *Scientific reports*. 2023, 13(1):17034.

Sommer I, Dobrescu A, Ledingger D, Moser I, Thaler K, Persad E, Fangmeyer M, Emprechtlinger R, Klerings I, **Gartlehner G**. Outpatient Treatment of Confirmed COVID-19: A Living, Rapid Evidence Review for the American College of Physicians (Version 2). *Ann Int Med* 2023;176(1):92-104.

Gartlehner G, Persad E, Ledingger D, Chapman A, Gadinger A, Feyertag J, et al. Beyond Statistical Significance: Nuanced Interpretations of Statistically Nonsignificant Results were Rare in Cochrane Reviews - a Meta-epidemiological Study. *Journal of Clinical Epidemiology*. 2023;160:46-53.

Gartlehner G, Schernhammer E, Lax SF, Preusser M, Bachler H, Tietzer H, et al. Screening for colorectal cancer. *Wiener klinische Wochenschrift*. 2023;135(17-18):447-55.

Nussbaumer-Streit B, Sommer I, Hamel C, Devane D, Noel-Storr A, Puljak L, Trivella M, **Gartlehner G**. Rapid reviews methods series: Guidance on team considerations, study selection, data extraction and risk of bias assessment. *BMJ evidence-based medicine*. 2023;28(6):418-23.

Klerings I, Robalino S, Booth A, Escobar-Liquitay CM, Sommer I, **Gartlehner G**, et al. Rapid reviews methods series: Guidance on literature search. *BMJ evidence-based medicine*. 2023;28(6):412-7.

Glechner A, Wagner G, Mitus JW, Teufer B, Klerings I, Böck N, Grillich L, Berzaczy D, Helbich TH, **Gartlehner G**. Mammography in combination with breast ultrasonography versus mammography for breast cancer screening in women at average risk. *The Cochrane Database of Systematic Reviews*. 2023;3(3):Cd009632.

Gartlehner G, Dobrescu A, Chapman A, Toromanova A, Emprechtlinger R, Persad E, et al. Nonpharmacologic and Pharmacologic Treatments of Adult Patients With Major Depressive Disorder: A Systematic Review and Network Meta-analysis for a Clinical Guideline by the American College of Physicians. *Ann Int Med*. 2023;176(2):196-211.

Dobrescu A, Chapman A, Affengruber L, Persad E, Toromanova A, Wagner G, Klerings I, Emprechtlinger R, **Gartlehner G**. Cost-Effectiveness of First- and Second-Step Treatment Strategies for Major Depressive Disorder : A Rapid Review. *Annals of Internal Medicine*. 2023;176(2):212-6.

Affengruber L, Wagner G, Dobrescu A, Toromanova A, Chapman A, Persad E, Klerings I, **Gartlehner G**. Values and Preferences of Patients With Depressive Disorders Regarding

Pharmacologic and Nonpharmacologic Treatments : A Rapid Review. *Ann Int Med.* 2023;176(2):217-23.

Sommer I, Dobrescu A, Ledinger D, Moser I, Thaler K, Persad E, Fangmeyer M, Emprechtlinger R, Klerings I, **Gartlehner G**. Outpatient Treatment of Confirmed COVID-19: A Living, Rapid Review for the American College of Physicians. *Annals of internal medicine.* 2023;176(1):92-104.

Wagner G, Glechner A, Persad E, Klerings I, **Gartlehner G**, et al. Risk of Contrast-Associated Acute Kidney Injury in Patients Undergoing Peripheral Angiography with Carbon Dioxide Compared to Iodine-Containing Contrast Agents: A Systematic Review and Meta-Analysis. *Journal of Clinical Medicine.* 2022;11(23).

Affengruber L, Dobrescu A, Persad E, Klerings I, Wagner G, Sommer I, **Gartlehner G**. Characteristics and recovery methods of studies falsely excluded during literature screening—a systematic review. *Systematic reviews.* 2022;11(1):236.

Wagner G, Smeikal M, Gisinger C, Moertl D, Nopp S, **Gartlehner G**, et al. Epidemiology, risk profile, management, and outcome in geriatric patients with atrial fibrillation in two long-term care hospitals. *Scientific reports.* 2022;12(1):18725.

Gartlehner G, Patel SV, Reddy S, Rains C, Schwimmer M, Kahwati L. Hormone Therapy for the Primary Prevention of Chronic Conditions in Postmenopausal Persons: Updated Evidence Report and Systematic Review for the US Preventive Services Task Force. *JAMA.* 2022;328(17):1747-65.

Noel-Storr A, **Gartlehner G**, Dooley G, Persad E, Nussbaumer-Streit B. Crowdsourcing the identification of studies for COVID-19-related Cochrane Rapid Reviews. *Research synthesis methods.* 2022;13(5):585-94.

Nussbaumer-Streit B, Jesser A, Humer E, Barke A, Doering BK, Haid B, Schimböck W, Reisinger A, Gasser M, Eichberger-Heckmann H, Stippl P, **Gartlehner G**, et al. A web-survey assessed attitudes toward evidence-based practice among psychotherapists in Austria. *Scientific reports.* 2022;12(1):9374.

Ewald H, Klerings I, Wagner G, Heise TL, Stratil JM, Lhachimi SK, Hemkens LG, **Gartlehner G**, et al. Searching two or more databases decreased the risk of missing relevant studies: a metaresearch study. *Journal of Clinical Epidemiology.* 2022;149:154-64.

Gartlehner G, Emprechtlinger R, Hackl M, Jutz FL, Gartlehner JE, Nonninger JN, et al. Assessing the magnitude of reporting bias in trials of homeopathy: a cross-sectional study and meta-analysis. *BMJ evidence-based medicine.* 2022;27(6):345-51.

Dobrescu AI, Ebenberger A, Harlfinger J, Griebler U, Klerings I, Nußbaumer-Streit B, Chapman A, Affengruber L, **Gartlehner G**. Effectiveness of interventions for the remediation of lead-contaminated soil to prevent or reduce lead exposure - A systematic review. *The Science of the total environment.* 2022;806(Pt 1):150480. doi: 10.1016/j.scitotenv.2021.150480

Albritton J, Ortiz A, Wines R, Booth G, DiBello M, Brown S, **Gartlehner G**, Crotty K. Video Teleconferencing for Disease Prevention, Diagnosis, and Treatment : A Rapid Review. *Annals of Internal Medicine*. 2022;175(2):256-66.

Gartlehner G, Crotty K, Kennedy S, et al. Pharmacological Treatments for Borderline Personality Disorder: A Systematic Review and Meta-Analysis. *CNS drugs*. 2021;35(10):1053-67.

Nussbaumer-Streit B, Ellen M, Klerings I, Sftcu R, Riva N, Mahmić-Kaknjo M, Poulentzas G, Martinez P, Baladina E, Ziganshina LE, Marques ME, Aguilar L, Kassianos AP, Frampton G, Silva AG, Affengruber L, Spjker R, Thomas J, Berg RC, Kontogiani M, Sousa M, Kontogiorgis C, **Gartlehner G**. Resource use during systematic review production varies widely: a scoping review. *Journal of Clinical Epidemiology*. 2021 Nov; 139:287-296.

Dobrescu AI, Nussbaumer-Streit B, Klerings I, Wagner G, Persad E, Sommer I, Herkner H, **Gartlehner G**. Restricting evidence syntheses of interventions to English-language publications is a viable methodological shortcut for most medical topics: a systematic review. *Journal of Clinical Epidemiology*. 2021;137:209-17.

Gartlehner G, Wagner G, Affengruber L, et al. Point-of-Care Ultrasonography in Patients With Acute Dyspnea: An Evidence Report for a Clinical Practice Guideline by the American College of Physicians. *Annals of Internal Medicine*. 2021;174(7):967-76

Sommer I, Titscher V, Szelag M, **Gartlehner G**. What are the Relevant Outcomes of the Periodic Health Examination? A Comparison of Citizens' and Experts' Ratings. Patient preference and adherence. 2021;15:57-68.

Stamm TA, Andrews MR, Mosor E, Ritschl V, Li LC, Ma JK, Arias AC, Baker S, Burton NW, Eghbali M, Fernandez N, Ferreira RJ, Gäbler G, Makri S, Mintz S, Moe RH, Morasso E, Murphy SL, Ntuli S, Omara M, Pallares MAS, Horonieff J, **Gartlehner G**. The methodological quality is insufficient in clinical practice guidelines in the context of COVID-19: systematic review. *Journal of Clinical Epidemiology*. 2021;135:125-35.

Nussbaumer-Streit B, Thaler K, Chapman A, Probst T, Winkler D, Sonnichsen A, Gaynes BN, **Gartlehner G**. Second-generation antidepressants for treatment of seasonal affective disorder. *The Cochrane Database of Systematic Reviews*. 2021;3(3):CD008591

Wagner G, Moertl D, Glechner A, Mayr V, Klerings I, Zachariah C, Van den Nest M, **Gartlehner G**, et al. Paracoccidioidomycosis Diagnosed in Europe—A Systematic Literature Review. *Journal of Fungi (Basel, Switzerland)*. 2021;7(2):157.

Van den Nest M, Wagner G, Riesenhuber M, Dolle C, Presterl E, **Gartlehner G**, et al. Filamentous Fungal Infections in a Tertiary Care Setting: Epidemiology and Clinical Outcome. *Journal of Fungi (Basel, Switzerland)*. 2021;7(1).

Noel-Storr A, Dooley G, Affengruber L, **Gartlehner G**. Citation screening using crowdsourcing and machine learning produced accurate results: Evaluation of Cochrane's modified Screen4Me service. *Journal of Clinical Epidemiology*. 2021;130:23-31.

Gartlehner G, Nussbaumer-Streit B. Learning from emergency trauma teams: an organizational approach for conducting (very) rapid reviews. In: Collaborating in response to COVID-19: editorial and methods initiatives across Cochrane. The Cochrane Database of Systematic Reviews 2020;12 Suppl 1:41-2.

Garritty C, **Gartlehner G**, et al. Rapid review methods guidance aids in Cochrane's quick response to the COVID-19 crisis. In: Collaborating in response to COVID-19: editorial and methods initiatives across Cochrane. The Cochrane Database of Systematic Reviews. 2020;(12 Suppl 1):28-29

Schmucker, C., Titscher, V., Braun, C., Nussbaumer-Streit, B., **Gartlehner, G.**, et al. Surgical and Non-Surgical Interventions in Complete Rotator Cuff Tears. Deutsches Arzteblatt International. 2020;117(38), 633-640.

Gartlehner G, Vander Schaaf EB, Orr C, Kennedy SM, et.al. Screening for Hypertension in Children and Adolescents: Updated Evidence Report and Systematic Review for the US Preventive Services Task Force. JAMA. 2020;324(18):1884-95

Janiaud P, Axfors C, Van't Hooft J, Saccilotto R, Agarwal A, Appenzeller-Herzog C, Contopoulos-Ioannidis DG, Danchev V, Dirnagl U, Ewald H, **Gartlehner G**, et.al. The worldwide clinical trial research response to the COVID-19 pandemic - the first 100 days. F1000Research. 2020;9:1193.

Garritty C, Gartlehner G, Nussbaumer-Streit B, et.al. Cochrane Rapid Reviews Methods Group offers evidence-informed guidance to conduct rapid reviews. Journal of Clinical Epidemiology. 2020;130:13-22.

Nussbaumer-Streit B, Mayr V, Dobrescu AI, Wagner G, Chapman A, Pfadenhauer LM, Lohner S, Lhachimi SK, Busert LK, **Gartlehner G**. Household interventions for secondary prevention of domestic lead exposure in children. The Cochrane Database of Systematic Reviews. 2020;10:Cd006047.

Akl EA, Morgan RL, Rooney AA, Beverly B, Katikireddi SV, Agarwal A, Alper BS, Alva-Diaz C, Amato L, Ansari MT, Brozek J, Chu DK, Dahm P, Darzi AJ, Falavigna M, **Gartlehner G**, et.al. Developing trustworthy recommendations as part of an urgent response (1-2 weeks): a GRADE concept paper. Journal of Clinical Epidemiology. 2020;129:1-11.

Viswanathan M, Kahwati L, Jahn B, Giger K, Dobrescu AI, Hill C, Klerings I, Meixner J, Persad E, Teufer B, **Gartlehner G**. Universal screening for SARS-CoV-2 infection: a rapid review. The Cochrane Database of Systematic Reviews. 2020;9(9):CD013718.

Lhachimi SK, Pega F, Heise TL, Fenton C, **Gartlehner G**, et.al. Taxation of the fat content of foods for reducing their consumption and preventing obesity or other adverse health outcomes. The Cochrane Database of Systematic Reviews. 2020;9:CD012415.

Ewald H, Klerings I, Wagner G, Heise TL, Dobrescu AI, Armijo-Olivo S, Stratil JM, Lhachimi SK, Mittermayr T, **Gartlehner G**, et. al. Abbreviated and comprehensive literature searches led to identical or very similar effect estimates: a meta-epidemiological study. Journal of Clinical Epidemiology. 2020;128:1-12.

Sommer I, Teufer B, Szelag M, Nussbaumer-Streit B, Titscher V, Klerings I, **Gartlehner G**. The performance of anthropometric tools to determine obesity: a systematic review and meta-analysis. *Scientific reports*. 2020;10(1):12699

Wagner G, Stollenwerk H, Klerings I, Pecherstorfer M, **Gartlehner G**, et al. Efficacy and safety of immune checkpoint inhibitors in patients with advanced non–small cell lung cancer (NSCLC): a systematic literature review. *Oncoimmunology*, 2020;9(1):1774314.

Chevance A, Ravaud P, Tomlinson A, Le Berre C, Teufer B, Touboul S, Fried EI, **Gartlehner G**, et al. Identifying outcomes for depression that matter to patients, informal caregivers, and health-care professionals: qualitative content analysis of a large international online survey. *The lancet Psychiatry*. 2020;7(8):692-702.

Pfander M, Heise TL, Hilton Boon M, Pega F, Fenton C, Griebler U, **Gartlehner G**, et al. Taxation of unprocessed sugar or sugar-added foods for reducing their consumption and preventing obesity or other adverse health outcomes. *The Cochrane Database of Systematic Reviews*. 2020;4:Cd012333.

Nussbaumer-Streit B, Mayr V, Dobrescu AI, Chapman A, Persad E, Klerings I, Wagner G, Siebert U, Christof C, Zachariah C, **Gartlehner G**. Quarantine alone or in combination with other public health measures to control COVID-19: a rapid review *The Cochrane Database of Systematic Reviews*. 2020;4:Cd013574.

Nussbaumer-Streit B, Klerings I, Dobrescu AI, Persad E, Stevens A, Garritty C, Kamel C, Affengruber L, King V.J, **Gartlehner G**. Excluding non-English publications from evidence-syntheses did not change conclusions: a meta-epidemiological study. *Journal of Clinical Epidemiology*. 2020;118:42-54.

Nussbaumer-Streit B, **Gartlehner G**. [WHO Guideline: Counselling of women to Improve Breastfeeding Practices]. *Gesundheitswesen (Bundesverband der Ärzte des Öffentlichen Gesundheitsdienstes (Germany))*. 2020;82(3):274-9.

Gaynes BN, Lux L, **Gartlehner G**, et al. Defining treatment-resistant depression. *Depression and anxiety*. 2020;37(2):134-45.

Gartlehner G, Affengruber L, Titscher V, et al. Single-reviewer abstract screening missed 13 percent of relevant studies: a crowd-based, randomized controlled trial. *Journal of Clinical Epidemiology*. 2020;121:20-8.

Wagner G, Haumer M, Poelzl G, Wiedemann D, Kliegel A, Ullrich R, **Gartlehner G**, et al. A case report of a 40-year-old woman with endomyocardial fibrosis in a non-tropical area: from initial presentation to high urgent heart transplantation *BMC cardiovascular disorders*. 2019;19(1):302.

Van den Nest M, Glechner A, Gold M, **Gartlehner G**. The comparative efficacy and risk of harms of the intravenous and subcutaneous formulations of trastuzumab in patients with HER2-positive breast cancer: a rapid review. *Systematic reviews*. 2019;8(1):321.

Gartlehner G, Wagner G, Lux L, Affengruber L, et al. Assessing the accuracy of machine-assisted abstract screening with DistillerAI: a user study. *Systematic reviews*. 2019;8(1):277.

Donahue, K. E., Schulman, E. R., **Gartlehner, G.**, et al. Comparative Effectiveness of Combining MTX with Biologic Drug Therapy Versus Either MTX or Biologics Alone for Early Rheumatoid Arthritis in Adults: a Systematic Review and Network Meta-analysis. *Journal of General Internal Medicine*. 2019;34(10):2232-45.

Sommer I, Titscher V, Teufer B, Klerings I, Nußbaumer-Streit B, Szelag M, Affengruber L, Wagner G, Glechner A, Kien C, Ebenberger A, Schiller-Frühwirth I, Dorner TE, Siebenhofer A, Haditsch B, Bachler H, Siebert U, **Gartlehner G.** [Evidence-based recommendations for the revision of the Austrian periodic health examination]. *Wiener medizinische Wochenschrift (1946)*. 2019;169(13-14):339-49.

Matyas N, Keser Aschenberger F, Wagner G, Teufer B, Auer S, Gisinger C, Kil M, Klerings I, **Gartlehner G.** Continuing education for the prevention of mild cognitive impairment and Alzheimer's-type dementia: a systematic review and overview of systematic reviews. *BMJ open*. 2019;9(7):e027719.

Schunemann HJ, Cuello C, Akl EA, Mustafa RA, Meerpohl JJ, Thayer K, Morgan RL, **Gartlehner G.** et al. GRADE guidelines: 18. How ROBINS-I and other tools to assess risk of bias in nonrandomized studies should be used to rate the certainty of a body of evidence. *Journal of Clinical Epidemiology*. 2019;111:105-14

Nussbaumer-Streit B, Greenblatt A, Kaminski-Hartenthaler A, Van Noord MG, Forneris CA, Morgan LC, Gaynes BN, Wipplinger J, Lux LJ, Winkler D, **Gartlehner G.** Melatonin and agomelatine for preventing seasonal affective disorder. *The Cochrane Database of Systematic Reviews*. 2019;6:Cd011271.

Kien C, Sommer I, Faustmann A, Gibson L, Schneider M, Krczal E, Jank R, Klerings I, Szelag M, Kerschner B, Brattstrom P, **Gartlehner G.** Prevalence of mental disorders in young refugees and asylum seekers in European Countries: a systematic review. *European Child & Adolescent Psychiatry*. 2019;28(10):1295-310.

Forneris CA, Nussbaumer-Streit B, Morgan LC, Greenblatt A, Van Noord MG, Gaynes BN, Wipplinger J, Lux LJ, Winkler D, **Gartlehner G.** Psychological therapies for preventing seasonal affective disorder. *The Cochrane Database of Systematic Reviews*. 2019;5:Cd011270.

Nussbaumer-Streit B, Forneris CA, Morgan LC, Van Noord MG, Gaynes BN, Greenblatt A, Wipplinger J, Lux LJ, Winkler D, **Gartlehner G.** Light therapy for preventing seasonal affective disorder. *The Cochrane Database of Systematic Reviews*. 2019;3:Cd011269.

Gartlehner G. Nussbaumer-Streit B, Gaynes BN, et. al. Second-generation antidepressants for preventing seasonal affective disorder in adults. *The Cochrane Database of Systematic Reviews*. 2019;3:Cd011268.

Teufer B, Sommer I, Nussbaumer-Streit B, Titscher V, Bruckmann C, Klerings I, **Gartlehner G.** Screening for periodontal diseases by non-dental health professionals: a protocol for a systematic review and overview of reviews. *Systematic reviews*. 2019;8(1):61.

Wagner G, Steiner S, **Gartlehner G**, et al. Comparison of transcatheter aortic valve implantation with other approaches to treat aortic valve stenosis: a systematic review and meta-analysis. *Systematic reviews*. 2019;8(1):44.

Gartlehner G, Nussbaumer-Streit B, Wagner G, et. al. Increased risks for random errors are common in outcomes graded as high certainty of evidence. *Journal of Clinical Epidemiology*. 2019;106:50-9.

SELECTED PRESENTATIONS (2025-2018)

- Gartlehner G. Opportunities and Challenges for Data Extraction with a Large Language Model. Cochrane Webinar Series. March 13, 2025
- Gartlehner G. Data Extraction with a Large Language Model: A Study Within Reviews. AHRQ EPC VI. November 7, 2024. Virtual meeting
- Gartlehner G. Opportunities and Challenges for Data Extraction with a Large Language Model. Evidence Synthesis Group, National Institute for Health and Care Research, October 17, 2024, UK. online presentation
- Gartlehner Gerald, Unlocking the potential of artificial intelligence in the systematic review process: a special session with Cochrane's Methods Executive. Global Evidence Summit, September 13, 2024, Prague, Czech Republic
- Gartlehner G. Does data extraction work with large language models and/or AI-based automation tools? 3rd Methods Form, Cochrane Germany Foundation. June 14, 2024, Freiburg, Germany
- Gartlehner G. AI Applications in Evidence Synthesis. Cochrane US Network Meeting. March 1, 2024, online presentation
- Gartlehner G. Data Synthesis and Rating the Certainty of Evidence in Rapid Reviews. Cochrane Training, Learning Live. Webinar January 25, 2024, online
- Gartlehner G. Automated Data Extraction from Journal Articles Using a Large Language Model. Fall Data Science Lunch and Learns. September 12, 2023, RTI-International, USA
- Gartlehner G. GRADE's Integration of Values and Preferences in Guideline Development. 18th Biennial European Conference of the Society for Medical Decision Making. May 22, 2023, Berlin
- Gartlehner G. Navigating New Normals: The Pandemic's Lessons on Healthcare and Sustainability. Illinois in Vienna Programs. May 11, 2023, Vienna University of Economics and Business.
- Gartlehner G. How evidence-based is preventive medicine in Austria? Praevenire Health Initiative 2030. May 19, 2021, online
- Gartlehner G. Quarantine and universal screening for COVID-19. Annual meeting of the Austrian Society for Epidemiology. October 21, 2020, online
- Gartlehner G. Adverse vaccine effects, vaccine damage, false facts, and conspiracy theories, Austrian Chamber of Pharmacists, November 7, 2020, online
- Gartlehner G. Cochrane Rapid Reviews - a response to COVID-19. US Agency for Healthcare Research and Quality Evidence-based Practice Center Spring Meeting, June 4, 2020, online

- Gartlehner G. The accuracy of single- vs. dual-reviewer abstract screening: a crowd-based randomized controlled trial. 21. Meeting of the German-speaking evidence-based medicine network. February 14, 2020, Basel, Switzerland
- Gartlehner G. Point-of-care ultrasonography for acute dyspnea. Meeting of the American College of Physicians Guideline Panel. January 29, 2020, Philadelphia, Pennsylvania, USA
- Gartlehner G. "Evidence-based Medicine can harm your health" - Cochrane Austria's battle against fake health news. Update in Medical Evidence Synthesis - Autumn Seminar. Medical University of Vienna. November 11, 2019, Vienna, Austria
- Gartlehner G. Does the pill against lovesickness work? Responding to inquiries from the general public with existing evidence. Evidence Live, July 14, 2019, Oxford, UK
- Gartlehner G. Assessing the accuracy of machine-assisted abstract screening with DistillerAI. US Agency for Healthcare Research and Quality EPC V Panel Meeting. June 6, 2019, Rockville, Maryland, USA
- Gartlehner G. Conflicts of interest: How the industry influences medical decisions. Austrian Public Health Institute. February 27, 2019, Vienna, Austria