

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

2025, 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: 328

H-Index: 83

Number of citations: more than 40,140

Number of publications cited more than 100 times: 70

SELECTED PUBLICATIONS (2026-2020)

Sousa-Pinto B, Marques-Cruz M, Vieira RJ, Duarte VH, Ávila-Oliver C, Dobrescu A, et al., **Gartlehner G**, Schünemann HJ. AI-enabled GRADE: How the GRADE Working Group will use automation to rate the certainty of evidence of intervention effects. *Journal of clinical epidemiology*. 2026:112411. DOI: 10.1016/j.jclinepi.2026.112411.

Gartlehner G, Banda S, Callaghan M, Chase JA, Dobrescu A, Eisele-Metzger A, et al. Cochrane Evaluation of (Semi-) Automated Review Methods (CESAR): Protocol for an adaptive platform study within reviews. *Journal of clinical epidemiology*. 2026:112390. DOI: 10.1016/j.jclinepi.2026.112390.

Sharifan A, Harrod C, Dobrescu A, **Gartlehner G**. Area under the likelihood curve as a measure of evidential weight in nonsignificant meta-analyses: A meta-epidemiological study. *Journal of clinical epidemiology*. 2026:112356. DOI: 10.1016/j.jclinepi.2026.112356.

Moser ITK, Dobrescu AI, Sommer I, Goeschl S, Sharifan A, Ledinger D, Klerings I, **Gartlehner G**. Efficacy, Comparative Effectiveness, and Harm of Respiratory Syncytial Virus Vaccines in Adults

Who Are Not Pregnant or Immunocompromised: A Rapid Review for the American College of Physicians. *Annals of internal medicine*. 2026;179(5):685–95. DOI: 10.7326/annals-25-05536.

Arienti C, Neumann I, Akl EA, Pinto BS, Cruz MM, Boutron I, et al., **Gartlehner G.**, et al. Assessing the trustworthiness of health guidelines recommendations: the Transparent, Rigorous, Usable, Standardised and Trustworthy Guide (TRUSTGUIDES) tools development. *Journal of clinical epidemiology*. 2026;112348. DOI: 10.1016/j.jclinepi.2026.112348.

Klerings I, Dobrescu A, Nussbaumer-Streit B, Sharifan A, Neubauer-Bruckner C, **Gartlehner G.** Evaluating search approaches for a network meta-analysis: a case study of Epistemonikos Database of Trials, CENTRAL, and other sources. *BMC medical research methodology*. 2026. DOI: 10.1186/s12874-026-02870-9.

Sharifan A, Harrod C, Dobrescu A, **Gartlehner G.** Evaluating evidential strength of statistically nonsignificant meta-analyses with likelihood ratios: a meta-epidemiological study. *Journal of clinical epidemiology*. 2026;112297. DOI: 10.1016/j.jclinepi.2026.112297.

Ledinger D, Todhunter-Brown A, Smith M, Griebler U, Pollock D, Rees R, Tricco AC, Dawson S, Macura B, Staniszewska S, Boddy K, **Gartlehner G** et al. Top 20 research priorities on methods of co-production in evidence synthesis. *Journal of clinical epidemiology*. 2026;112286. DOI: 10.1016/j.jclinepi.2026.112286.

Sharifan A, Harrod C, Dobrescu A, **Gartlehner G.** Reverse fragility index shows high fragility in Cochrane meta-analyses with P values between 0.05 and 0.20: A meta-epidemiological study. *Journal of clinical epidemiology*. 2026;112285. DOI: 10.1016/j.jclinepi.2026.112285.

Affengruber L, Emprechtinger R, Persad E, Kleijnen J, **Gartlehner G.** Characteristics of studies falsely excluded during single-reviewer abstract screening: a meta-epidemiological analysis. *BMC medical research methodology*. 2026 Apr 7;26(1):117. DOI: 10.1186/s12874-026-02838-9.

Jahn B, Sroczynski G, Santamaria J, Rochau U, Siebert S, Mühlberger N, et al., **Gartlehner G,** Siebert U. Evidence-based decision analysis guiding clinical guidelines for an organized population-based screening for colorectal cancer. *Best Practice & Research Clinical Gastroenterology*. 2026;80:102045. DOI: 10.1016/j.bpg.2025.102045.

Sommer I, Dobrescu A, Gadinger A, Sharifan A, Pinte L, Fangmeyer M, Klerings I, **Gartlehner G.** Outpatient Treatment of Confirmed COVID-19: A Living, Rapid Review for the American College of Physicians (Version 3). *Annals of internal medicine*. 2026. DOI: 10.7326/ANNALS-25-03691.

Dobrescu A, Pinte L, Sharifan A, Gadinger A, Moser I, Cooper C, **Gartlehner G.** Effectiveness, Comparative Effectiveness, and Harms of COVID-19 Vaccines in Adults Who Are Not Pregnant or Immunocompromised: A Rapid Review for the American College of Physicians. *Annals of internal medicine*. 2026 May;179(5):673-684. DOI: 10.7326/ANNALS-25-05044.

Affengruber L, Kleijnen J, **Gartlehner G.** Detecting false exclusions in single-reviewer literature screening by using AI tools as secondary reviewers: a study protocol for an evaluation study. *Systematic reviews*. 2026;15(1):38. DOI: 10.1186/s13643-025-03031-7.

Dobrescu AI, Sharifan A, Sommer I, Neubauer-Bruckner CIA, Gadinger A, Klerings I, Nowak C, **Gartlehner G**. Comparative Effectiveness and Harm of Seasonal Influenza Vaccines in Adults Who Are Not Pregnant or Immunocompromised: A Rapid Review for the American College of Physicians. *Annals of Internal Medicine*. 2026 Jan;179(1):81-94. DOI: 10.7326/annals-25-04028.

Dobrescu A, Nussbaumer-Streit B, Wagner G, Sharifan A, Gadinger A, Klerings I, Nowak C, **Gartlehner G**. Assessing the Impact of Unpublished Data on Network Meta-Analysis Outcomes in Outpatient Adults with Acute Migraine: A Study within a Review. *Journal of clinical epidemiology*. 2026 Jan;189:112014. DOI: 10.1016/j.jclinepi.2025.112014.

Veal C, Krause KR, Fried EI, Cipriani A, Cuijpers P, Downs J, Furukawa T, **Gartlehner G**, et al. A protocol for the development of a Core Outcome Set (COS) for adults with depression. *Journal of clinical epidemiology*. 2025;112119. DOI: 10.1016/j.jclinepi.2025.112119.

Gartlehner G, Kugley S, Crotty K, Viswanathan M, Dobrescu A, Nussbaumer-Streit B, et al. Artificial Intelligence-Assisted Data Extraction With a Large Language Model: A Study Within Reviews. *Annals of Internal Medicine*. 2025;178(12):1763-71. DOI: 10.7326/annals-25-00739.

Fleming E, Noel-Storr A, Macura B, **Gartlehner G**, Thomas J, Meerpohl JJ, et al. Position Statement on Artificial Intelligence (AI) Use in Evidence Synthesis Across Cochrane, the Campbell Collaboration, JBI, and the Collaboration for Environmental Evidence 2025. *Campbell Syst Rev*. 2025;21(4):e70074. DOI: 10.1002/cl2.70074.

Sharifan A, Dobrescu A, Harrod C, Klerings I, Ong AY, Ngeh E, Xiao YT, **Gartlehner G**. Approaches for reporting and interpreting statistically nonsignificant findings in evidence syntheses: A systematic review. *Journal of clinical epidemiology*. 2025;112083. *Journal of clinical epidemiology*. 2025;190:112083. DOI: 10.1016/j.jclinepi.2025.112083.

Gartlehner G, Nussbaumer-Streit B, Hamel C, Garritty C, Griebler U, King VJ, et al. Responsible Integration of Artificial Intelligence in Rapid Reviews: A Position Statement From the Cochrane Rapid Reviews Methods Group. *Cochrane Evidence Synthesis and Methods*. 2025;3(6):e70063. DOI: 10.1002/cesm.70063.

Pilar M, **Gartlehner G**, Kugley S, Strazza K, Ng V, Hinnant L, et al. Advancing the Field of Deimplementation: Perspectives on Low-Value Clinical Preventive Services. *AJPM Focus*. 2025;4(5):100339. DOI: 10.1016/j.focus.2025.100339.

Dobrescu AI, Moser I, Klerings I, **Gartlehner G**. Update Alert 3: 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. *Annals of Internal Medicine*. 2025;178(9):1-3. DOI: 10.7326/ANNALS-25-02706.

Gartlehner G, Patel SV, Hart L, Rotunda W, Kugley S, Schwimmer M, et al. Implementing Recommended Mental Health and Substance Use Screening and Counseling Interventions in Primary Care Settings for Children and Adolescents. Rockville (MD): Agency for Healthcare Research and Quality (US); 2025 Apr. Report No.: 25-EHC002. PMID: 40305644.

Patel SV, Hart L, Booth G, Rotunda W, Kugley S, Pilar M, Schwimmer M, Voisin C, Koesters S, Viswanathan M, **Gartlehner G**. Implementing Screening and Counseling for Adolescent Mental Health and Substance Use. *Pediatrics*. 2025;156(1). DOI: 10.1542/peds.2024-070314

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. *Annals of Internal Medicine*. 2025;178(4):507-24.

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. *Annals of Internal Medicine*. 2025;178(4):525-32.

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.

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. *Annals of Internal Medicine*. 2025;178(3):e2403637.

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.

Emprechtinger 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. *Journal of Clinical Epidemiology*. 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 Evidence-Based Medicine*. 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. *Annals of Internal Medicine*. 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). *Annals of Internal Medicine*. 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. *Annals of Internal Medicine*. 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. *Annals of Internal Medicine*. 2024;177(4):eL23044.

Torbahn G, Jones A, Griffiths A, Matu J, Metzendorf MI, Ellis 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):e13113.

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.

Ovelman C, Kugley S, **Gartlehner G**, Viswanathan M. The use of a large language model to create plain language summaries of evidence reviews in healthcare: A feasibility study. *Cochrane Evid Synth Methods*. 2024;2(2):e12041.

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 Evidence-Based Medicine*. 2024;29(4):264-71.

Puljak L, Bala MM, Zajac J, Meštrović T, Buttiġieġ S, Yanakoulia M, Briel M, Lunny C, Lesniak W, Poklepović Perićić 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, Emprechtinger 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, Emprechtinger 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, 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 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, Emprechtinger 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, Sfetcu R, Riva N, Mahmić-Kaknjo M, Poulentzas G, Martinez P, Baladina E, Ziganshina LE, Marques ME, Aguilar L, Kassianos AP, Frampoton G, Silva AG, Affengruber L, Spjker R, Thomas J, Berg RC, Kontogianni 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.

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SELECTED PRESENTATIONS (2026-2020)

- Gartlehner G. Advancing Evidence Synthesis with Artificial Intelligence. WHO Lunch Seminar. June 24, 2026, Geneva, Switzerland
- Gartlehner G. Evaluating Novel AI Tools for Supporting Evidence Synthesis. Cochrane Skin Group. June 10, 2026, online
- Gartlehner G. Cochrane's steps toward responsible use of AI in evidence synthesis. Meeting of the Cochrane Thematic Group on Acute and Emergency Care. May 19, 2026, online
- Gartlehner G. Cochrane Evaluation of Semi-Automated Review Methods Study. US National Academies of Sciences, Engineering, and Medicine. Finding what works in healthcare. April 27, 2026, online
- Gartlehner G. Artificial Intelligence Assisted Data Extraction With a Large Language Model: A Study Within Reviews. Johns Hopkins Center for Health Services and Outcomes Research Seminar. February 10, 2026, online
- Gartlehner G. Semi-Automated Data Extraction with a Large Language Model: A Study Within Reviews. GIN Conference, September 17, 2025, Geneva, Switzerland
- Gartlehner G. Opportunities and Challenges for Data Extraction with a Large Language Model. Cochrane Webinar Series. March 13, 2025, online
- 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
- 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
- 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