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## Personal Information

### Name, Position, Academic Departments

Name **Thomas A. Trikalinos**

Position Professor

Departments Health Services, Policy & Practice (primary) and Biostatistics (secondary), Brown University School of Public Health

Other Director, Center for Evidence Synthesis in Health [*formerly, Center for Evidence-based Medicine*], Brown University School of Public Health

### Business Address

Address 121 S Main St, Providence, RI 02912, USA

## Education

2006 **Ph.D. Epidemiology**, University of Ioannina, Ioannina, Greece

Ph.D. Thesis *Diagnostic Procedures in Genetic Meta-analysis*

2002 **MD**, University of Ioannina, Ioannina, Greece

## Appointments

### Academic Appointments

*I was elected at my first academic appointment as Assistant Professor of Medicine at Tufts University in 2002, right after completing medical school in Greece. I moved to the US from Greece in 2006, after finishing my PhD.*

2020– **Professor of Biostatistics**, School of Public Health, Brown University, Providence, RI 02912

2020– **Professor of Health Services, Policy & Practice**, School of Public Health, Brown University, Providence, RI 02912

2012–2020 **Associate Professor of Health Services, Policy & Practice**, School of Public Health, Brown University, Providence, RI 02912

2012– **Adjunct Associate Professor of Medicine**, School of Medicine, Tufts University, Boston, MA 02111

2012– **Adjunct Associate Professor of Clinical and Translational Science**, Clinical and Translational Science Institute, Tufts University, Boston, MA 02111

Fall 2016 **Visiting scholar (on sabbatical from Brown U)**, Sloan School of Management and Operations Research Center, MIT, Cambridge, MA 02142

2012–2013 **Visiting Associate Professor in Computer Science**, School of Engineering, Tufts University, Medford, MA 02155

2002–2012 **Assistant Professor of Medicine**, School of Medicine, Tufts University, Boston, MA 02111

2006–2007 **Postdoctoral Research Associate**, Institute for Clinical Research and Health Policy Studies, Tufts Medical Center, Boston, MA 02111

## Professional Appointments

*Brown  
University*

2012– **Director**, Center for Evidence Synthesis in Health (*former Center for Evidence-based Medicine*), School of Public Health, Brown University  
Providence, RI 02912

*Tufts Medical  
Center*

2007–2012 **Special and Scientific Staff**, Institute for Clinical Research and Health Policy Studies, Tufts Medical Center, Boston, MA 02111

2006–2007 **Research Associate**, Institute for Clinical Research and Health Policy Studies, Tufts Medical Center, Boston, MA 02111

*ICRHPS* [*ICRHPS = Institute for Clinical Research and Health Policy Studies at Tufts Medical Center*]

2009–2012 **Co-Director**, Tufts Evidence-based Practice Center, Institute for Clinical Research and Health Policy Studies, Tufts Medical Center, Boston, MA 02111

2009–2012 **Associate Director**, Center for Clinical Evidence Synthesis, Institute for Clinical Research and Health Policy Studies, Tufts Medical Center, Boston, MA 02111

2008–2009 **Associate Director**, Tufts Evidence-based Practice Center, Institute for Clinical Research and Health Policy Studies, Tufts Medical Center, Boston, MA 02111

2007–2008 **Assistant Director**, Tufts Evidence-based Practice Center, Institute for Clinical Research and Health Policy Studies, Tufts Medical Center, Boston, MA 02111

## Companies

*Mycenean* In 2022, *Mycenean* was dissolved and its purview was picked up by a for profit company incorporated in Hong Kong under the same name; I am not involved with the new company. *Mycenean* was a 501 (c) (3) non-profit company incorporated in Rhode Island. It served as an impartial custodian of open source software for evidence synthesis, shared data, disseminated information, and provided education, training, and consulting services in Evidence Synthesis.

2017–2022 **Chief Executive Officer**

## Honors & Awards

2023 Fellow of the Society for Research Synthesis Methodology.

1996 Competed for Greece in the 28th International Chemistry Olympiad in Moscow, Russia.

1996 Third National Prize in the annual National Chemistry Competition (organized by the National Chemists' Society). Member of the National Chemistry Team of Greece for 1995–1996.

1996 Second National Prize in the annual National Physics Competition (organized by the National Physicists' Society). Member of the National Physics Team of Greece for 1995–1996.

## Membership in Societies

I list only active memberships. Refer to *Service, Professional Societies* for positions held.

### Groups with elected membership

–Elected member of the Society for Research Synthesis Methodology (SRSRM). *Until 2022 SRSRM had capped membership (highest cap was 85 active members in 2021)*

### Groups with open membership

- Society for Research Synthesis Methodology (SRSM). *In 2022 SRSM became an open membership society.*
- Society for Medical Decision Making (SMDM)
- American Statistical Association (ASA)
- The Institute for Operations Research and the Management Sciences (INFORMS)

#### *Leadership*

##### *Positions*

- 2013–2016 **Secretary**, Society for Research Synthesis Methodology
- 2013 **Local Organizing CoChair** (with CH Schmid & J Lau), 2013 annual meeting of the Society for Research Synthesis Methodology

##### *Other Roles*

- 2014 **Member**, Senior Program Committee, AAAI Workshop on Modern Artificial Intelligence for Health Analytics. Association for the Advancement of Artificial Intelligence Conference, 27/07/2014, Quebec City, Canada.

## University Service

#### *Brown University* Standing Committees, Campus

- 2014–2016 **Member**, Research Advisory Board
- 2013–2016 **Member**, Graduate Council
- Ad hoc* Committees, Campus
- 2012 **Member**, Search Committee for the Vice President for Research
- Ad hoc* Committees, School of Public Health
- 2013–2014 **Member**, Mentorship Committee
- 2014 **Chair**, Search Committee for open rank position in Health Services, Policy & Practice (Research Track)
- 2015 **Member**, Search Committee for open rank position in Biostatistics (Tenure Track)
- 2015 **Member**, Promotion Committee for faculty in Epidemiology (Research Track)
- 2015 **Chair**, Promotion Committee for faculty in Health Services, Policy & Practice (Research Track)
- 2016 **Chair**, Search Committee for open rank position in Health Services, Policy & Practice (Research Track)
- 2016 **Member**, Search Committee for open rank position in Health Services, Policy & Practice (Tenure Track)
- 2016 **Member**, Diversity and Inclusion Plan for the School of Public Health; Professional Development and Programming Group
- 2017 **Member**, Search Committee for open rank position in Health Services, Policy & Practice (Research Track)
- 2017 **Member**, Committee for Appointment of an Adjunct Professor in Health Services, Policy & Practice (Research Track)

#### *Tufts University*

- 2011–2012 **Chair**, Scientific Affairs Committee, School of Medicine
- 2008–2011 **Member**, Scientific Affairs Committee, School of Medicine

#### *Tufts Medical Center*

- 2009–2012 **Member**, Executive Committee, Institute for Clinical Research and Health Policy Studies
- 2008–2009 **Member**, Infrastructure Committee, Institute for Clinical Research and Health Policy Studies

#### *University of Ioannina, Greece*

- 2015 **International Member**, Promotion Committee for a tenured Associate Professor Position in Epidemiology, Department of Hygiene and Epidemiology, School of Medicine

University of  
Applied  
Sciences of  
Thessaly,  
Greece

- 2017 **International Alternate Member**, Committee for choosing tenure-track faculty (Assistant Professor rank) in Public Health with emphasis on vaccines, Department of Medical Laboratories, School of Medical Professions

University of  
Thessaly,  
Greece

- 2015 **International Alternate Member**, Promotion Committee for a tenured Associate Professor Position in Bioinformatics and Biomathematics, Department of Bioinformatics and Biostatistics

## National or International Service

### Grant Application Review Boards

*Ad hoc* Member In 2013: Patient Centered Outcomes Research Institute (PCORI): Applications for Clinical Data Research Networks and Patient-Powered Research Networks

*Ad hoc* Member In 2017: National Institute for Allergies and Infectious Diseases (NIAID): ZAI1

*Ad hoc* Member In 2019: National Institute of Neurological Disorders and Stroke: NST2

*Ad hoc* Member In 2023: National Institute of Health, Health Services and Systems Review Branch: ZRG1

*Ad hoc* Member In 2023: Analytics and Statistics for Population Research panel A (ASPA) study section

*Ad hoc* Member In 2024: Analytics and Statistics for Population Research panel A (ASPA) study section

*Ad hoc* Member In 2024: National Institute of Health, Health Services and Systems Review Branch: ZRG1

### Editorial responsibilities

Editorial Board Member **Current:** *Research Synthesis Methods*; **Past:** BMC Medical Research Methodology (*editorial advisor*), PLoS Currents – Evidence for Genomic Applications

Statistical Reviewer **Current:** *New England Journal of Medicine - Evidence*

### Journal Manuscript Reviewer

Peer Reviewer I regularly conduct peer review for many journals. The following is a non-exhaustive list: *Proceedings of the National Academies of Sciences*, *Journal of the American Medical Association*, *Statistics in Medicine*, *Annals of Internal Medicine*, *British Medical Journal*, *PLoS Medicine*, *Journal of the National Cancer Institute*, *Annals of Applied Statistics*, *Bioinformatics*, *Journal of Clinical Epidemiology*, *American Journal of Epidemiology*, *Trials*, *Medical Decision Making*, *BMC Medicine*, *BMC Medical Research Methodology*, *Cochrane Library of Systematic Reviews*.

### National Panels & Workgroups

- 2023 **Co-convenor**, Privacy and ethics in pandemic data collection and processing weeklong international workshop, at the Institute for Computational and Experimental Research in Mathematics (ICERM), Providence, RI, USA. January 17-20, 2023.

2017 **Member**, National Science Foundation (NSF) Smart and Connected Health (SCH) Program Visioning Meeting, advising the NSF on the research funding priorities of next 5 years of the SCH Program

2013–2015 **Member**, Technical Expert Panel, advising the US Preventive Services Task Force on methodology

### International Organizations

#### *World Health Organization*

2016 **Co-Chair**, Conference on using modeling to inform global guidelines. 27-29 April 2016.

*GAPPNet* In 2009, I was a member of the Knowledge Synthesis Workgroup and of the Dissemination Workgroup, Genomic Applications in Practice and Prevention Networking (GAPPNet) Initiative. This initiative aims to accelerate and streamline effective and responsible use of validated and useful genomic knowledge and applications, such as genetic tests, technologies, and family history, into clinical and public health practice. It is supported by the Centers for Disease Control Public Health Genomics Office.

## Publications

According to Google Scholar, as of February 21, 2024:

–Over 34,000 citations.

– $h = 79$

– $m = 3.0$

## Books & Monographs

*None*

## Chapters in Books

1. **Trikalinos TA**, Ioannidis JP (2005) Assessing the evolution of effect sizes over time. *In* Publication bias – Prevention, Assessment and Adjustments, Wiley, chapter 13.
2. Wallace BC, Dahabreh IJ, Lau J, Schmid CH, **Trikalinos TA** (2014) Modernizing evidence synthesis for Evidence-based Medicine. *In* Clinical Decision Support, Elsevier, chapter 12.
3. Neumann PJ, Sanders-Schmidler G, Basu A, Brock D, Feeny D, Krahm M, Kuntz KM, Meltzer DO, Owens DK, Prosser LA, Salomon JA, Sculpher MJ, **Trikalinos TA**, Siegel JE, Russell LB, Ganiats TG (2016) Recommendations on perspectives for the Reference Case. *In* Cost-Effectiveness in Health and Medicine, Oxford, chapter 3.
4. Kuntz KM, Russell LB, Owens DK, Sanders-Schmidler GD, **Trikalinos TA**, Salomon JA (2016) Decision models in cost-effectiveness analysis. *In* Cost-Effectiveness in Health and Medicine, Oxford, chapter 5.
5. **Trikalinos TA**, Russell LB, Sanders-Schmidler GD (2016) Evidence synthesis for informing cost-effectiveness analysis. *In* Cost-Effectiveness in Health and Medicine, Oxford, chapter 9.
6. Salomon JA, **Trikalinos TA**, Sanders-Schmidler GD, Mandelblatt JS (2016) Identifying and quantifying the consequences of interventions. *In* Cost-Effectiveness in Health and Medicine, Oxford, chapter 6.
7. Dahabreh IJ, **Trikalinos TA**, Kent DM, Schmid CH (2017) Heterogeneity of treatment effects in comparative effectiveness research. *In* Methods in Comparative Effectiveness Research, Chapman and Hall/CRC, chapter 8.
8. Lau J, Morton SC, Schmid CH, **Trikalinos TA** (2017) Systematic reviews in comparative effectiveness research. *In* Methods in Comparative Effectiveness Research, Chapman and Hall/CRC, chapter 10.

## Refereed Journal Articles

1. Howe RJ, Rieke K, Bayer T, Ja Mai H, Sullivan JL, Driver JA, Rickard T, **Trikalinos TA**, Rudolph J, McCreedy E, Jutkowitz E (2025) Strategies and outcomes of age-friendly health system implementation in outpatient settings: A systematic review. *Inquiry: A journal of medical care organization, provision and financing* 62: 469580251318244.
2. Steele DW, Kanaan G, Caputo EL, Freeman JB, Brannan EH, Balk EM, **Trikalinos TA**, Adam GP (2024) Treatment of obsessive-compulsive disorder in children and youth: A meta-analysis. *Pediatrics* : 10.1542/peds.2024-068992.
3. Adam GP, Caputo EL, Kanaan G, Freeman JB, Brannan EH, Balk EM, **Trikalinos TA**, Steele DW (2024) Brief assessment tools for obsessive compulsive disorders in children: A systematic review. *Pediatrics* : 10.1542/peds.2024-068993.
4. **Trikalinos TA**, Sereda Y (2024) The nhppp package for simulating non-homogeneous poisson point processes in r. *PLoS ONE* 19: e0311311.

5. Bang C, Jutkowitz E, Caputo E, Yan SX, Mai HJ, Kanaan G, Leonard T, Rickard T, Trikalinos T, Rudolph JL, Rieke K (2024) Radiation therapy for heterotopic ossification: A systematic review. *Practical Radiation Oncology* : S1879-8500(24)00297-2.
6. Burnett DP, **Trikalinos TA**, Kiluk BD, Ray L, Misquith C, Magill M (2024) A descriptive review and meta-regression study of demographic and study context factors in us clinical trials of cognitive behavioral interventions for alcohol or other drug use. *Substance Use & Misuse* 59: 1711–1721.
7. Adam GP, DeYoung J, Paul A, Saldanha IJ, Balk EM, **Trikalinos TA**, Wallace BC (2024) Literature search sandbox: a large language model that generates search queries for systematic reviews. *JAMIA Open* 7: ooae098.
8. Konnyu KJ, Grimshaw JM, **Trikalinos TA**, Ivers NM, Moher D, Dahabreh IJ (2024) Evidence Synthesis for Complex Interventions Using Meta-Regression Models. *Am J Epidemiol* 193: 323–338.
9. Balk EM, Adam GP, Cao W, Bhuma MR, D'Ambrosio C, **Trikalinos TA** (2024) Long-term effects on clinical event, mental health, and related outcomes of CPAP for obstructive sleep apnea: a systematic review. *J Clin Sleep Med* 20: 895–909.
10. Quinn M, Jutkowitz E, Primack J, Lenger K, Rudolph J, **Trikalinos TA**, Rickard T, Mai JH, Balk EM, Konnyu K (2024) Protocols to reduce seclusion in inpatient mental health units. *Int J Ment Health Nurs* 33: 600–615.
11. Rhee TG, Shim SR, Popp J, **Trikalinos TA**, Rosenheck R, Kellner C, Seiner S, Espinoza R, Forester B, McIntyre R (2024) Efficacy and Safety of Ketamine-assisted Electroconvulsive Therapy in Major Depressive Episode: A Systematic Review and Network Meta-Analysis. *Mol Psychiatr* 29: 750–759.
12. Sereda Y, Alarid-Escudero F, Bickell NA, Chang SH, Colditz GA, Hur C, Jalal H, Myers ER, Layne TM, Wang SY, Yeh JM, **Trikalinos TA** (2023) Approaches to developing de novo cancer population models to examine questions about cancer and race in bladder, gastric, and endometrial cancer and multiple myeloma: the Cancer Intervention and Surveillance Modeling Network incubator program. *J Natl Cancer Inst Monogr* 2023: 219–230.
13. Jansen JP, Incerti D, **Trikalinos TA** (2023) Multi-state network meta-analysis of progression and survival data. *Stat Med* 42: 3371–3391.
14. Yogasingam S, Konnyu KJ, Pine J, Sullivan K, Alabousi M, Edwards A, Hillmer M, Karunanathan S, Lavis JN, Linklater S, Moher D, Manns BJ, Mortazhejri S, Nazarali S, Paprica PA, Ramsay T, Ryan PM, Sargious P, Shojania KG, Straus SE, Tonelli M, Tricco A, Vachon B, Yu CH, Zahradnik M, **Trikalinos TA**, Grimshaw JM, Ivers N (2023) Quality improvement strategies for diabetes care: Effects on outcomes for adults living with diabetes. *Cochrane Database Syst Rev* 5: CD014513.
15. Ellison JE, Kumar S, Steingrimsson JA, Adhikari D, Charlesworth CJ, McConnell KJ, Trivedi AN, **Trikalinos TA**, Forbes SP, Panagiotou OA (2023) Comparison of Low-Value Care Among Commercial and Medicaid Enrollees. *J Gen Intern Med* 38: 954–960.
16. Li ML, Bouardi HT, Lami OS, **Trikalinos TA**, Trichakis N, Bertsimas D (2023) Forecasting COVID-19 and analyzing the effect of government interventions. *Operations Research* 71: 184–201.
17. Pittas AG, Kawahara T, Jorde R, Dawson-Hughes B, Vickery EM, Angellotti E, Nelson J, **Trikalinos TA**, Balk EM (2023) Vitamin D and Risk for Type 2 Diabetes in People With Prediabetes : A Systematic Review and Meta-analysis of Individual Participant Data From 3 Randomized Clinical Trials. *Ann Intern Med* 176: 355–363.
18. Marshall IJ, **Trikalinos TA**, Soboczenski F, Yun HS, Kell G, Marshall R, Wallace BC (2023) In a pilot study, automated real-time systematic review updates were feasible, accurate, and work-saving. *J Clin Epidemiol* : 26 – 33.
19. Li Y, Rönn MM, Tuite AR, Chesson HW, Gift TL, **Trikalinos TA**, Testa C, Bellerose M, Hsu K, Berruti AA, Malyuta Y, Menzies NA, Salomon JA (2022) Estimated costs and quality-adjusted life-years lost due to N. gonorrhoeae infections acquired in 2015 in the United States: A modelling study

- of overall burden and disparities by age, race/ethnicity, and other factors. *Lancet Reg Health Am* 16: 100364.
20. Love Rhoads S, **Trikalinos TA**, Levy MM, Amass T (2022) Intensive Care Based Interventions to Reduce Family Member Stress Disorders: A Systematic Review of the Literature. *J Crit Care Med (Targu Mures)* 8: 145–155.
  21. Salkar N, Trikalinos T, Wallace BC, Nenkova A (2022) Self-Repetition in Abstractive Neural Summarizers. *Proc Conf Assoc Comput Linguist Meet 2022*: 341–350.
  22. Hattle M, Burke DL, **Trikalinos TA**, Schmid CH, Chen Y, Jackson D, Riley RD (2022) Multivariate meta-analysis of multiple outcomes: characteristics and predictors of borrowing of strength from Cochrane reviews. *Syst Rev* 11: 149.
  23. Adam GP, Pappas D, Papageorgiou H, Evangelou E, **Trikalinos TA** (2022) A novel tool that allows interactive screening of PubMed citations showed promise for the semi-automation of identification of Biomedical Literature. *J Clin Epidemiol* 150: 63–71.
  24. Jansen JP, **Trikalinos TA**, A PK (2022) Assessments of the value of new interventions should include health equity impact. *Pharmacoeconomics* 40: 489–495.
  25. Forbes SP, Aaron RK, **Trikalinos TA** (2022) Bounding the Implications of Noncompliance in Randomized Controlled Trials in Orthopaedics: An Example in Arthroscopic Surgery. *J Am Acad Orthop Surg* 30: e25–e33.
  26. Adam GP, Wallace BC, **Trikalinos TA** (2022) Semi-automated Tools for Systematic Searches. *Methods Mol Biol* 2345: 17–40.
  27. Jalal H, **Trikalinos TA**, Alarid-Escudero F (2021) BayCANN: Streamlining Bayesian Calibration With Artificial Neural Network Metamodeling. *Front Physiol* 12: 662314.
  28. Thompson MJ, Suchsland MZ, Hardy V, Lavalley DC, Lord S, Devine EB, Jarvik JG, Findlay S, **Trikalinos TA**, Walter FM, Chou R, Green BB, Wernli KJ, Fitzpatrick AL, Bossuyt PM (2023) Patient-centred outcomes of imaging tests: recommendations for patients, clinicians and researchers. *BMJ Qual Saf* 32: 536–545.
  29. Steele DW, Becker SJ, Danko KJ, Balk EM, Adam GP, Saldanha IJ, **Trikalinos TA** (2020) Brief Behavioral Interventions for Substance Use in Adolescents: A Meta-analysis. *Pediatrics* 146.
  30. Ellis AG, Iskandar R, Schmid CH, Wong JB, **Trikalinos TA** (2020) Active learning for efficiently training emulators of computationally expensive mathematical models. *Stat Med* 39: 3521–3548.
  31. Jiao Y, Mun EY, **Trikalinos TA**, Xie M (2020) A CD-based mapping method for combining multiple related parameters from heterogeneous intervention trials. *Stat Interface* 13: 533–549.
  32. Adam GP, Balk EM, Jap J, Senturk B, Sanders-Schmidler G, Lallinger K, Butler M, Brasure M, **Trikalinos TA** (2019) AHRQ EPC Series on Improving Translation of Evidence: Web-Based Interactive Presentation of Systematic Review Reports. *Jt Comm J Qual Patient Saf* 45: 629–638.
  33. Rönn MM, Menzies NA, Gift TL, Chesson HW, **Trikalinos TA**, Bellerose M, Malyuta Y, Berruti A, Gaydos CA, Hsu KK, Salomon JA (2020) Potential for Point-of-Care Tests to Reduce Chlamydia-associated Burden in the United States: A Mathematical Modeling Analysis. *Clin Infect Dis* 70: 1816–1823.
  34. Jones HE, Gatsonis CA, **Trikalinos TA**, Welton NJ, Ades AE (2019) Quantifying how diagnostic test accuracy depends on threshold in a meta-analysis. *Stat Med* 38: 4789–4803.
  35. Savitz DA, Wellenius GA, **Trikalinos TA** (2019) The problem with mechanistic risk of bias assessments in evidence synthesis of observational studies and a practical alternative: Assess the impact of specific sources of potential bias. *Am J Epidemiol* (Epub ahead of print).



36. Bertsimas D, Dunn J, Steele DW, **Trikalinos TA**, Wang Y (2019) Comparison of machine learning optimal classification trees with the Pediatric Emergency Care Applied Research Network head trauma decision rules. *JAMA Pediatr* (Epub ahead of print).
37. Soboczenski F, **Trikalinos TA**, Kuiper J, Bias RG, Wallace BC, Marshall IJ (2019) Machine learning to help researchers evaluate biases in clinical trials: a prospective, randomized user study. *BMC Medical Informatics and Decision Making* 19: 96.
38. Balk EM, Adam GP, Corsi K, Mogul A, **Trikalinos TA**, Jeppson PC (2019) Adverse events associated with nonsurgical treatments for urinary incontinence in women: a systematic review. *J Gen Intern Med* (Epub ahead of print).
39. Balk EM, Gazula A, Markozannes G, Kimmel HJ, Saldanha IJ, **Trikalinos TA**, Resnik LJ (2019) Psychometric properties of functional, ambulatory, and quality of life instruments in lower limb amputees: a systematic review. *Arch Phys Med Rehabil* (Epub ahead of print).
40. Balk EM, Rofeberg VN, Adam GP, Kimmel HJ, **Trikalinos TA**, Jeppson PC (2019) Pharmacological and non-pharmacological treatments for urinary incontinence in women: A systematic review and network meta-analysis of clinical outcomes. *Annals of Internal Medicine* (Epub ahead of print).
41. Zgodic A, Schmid CH, Olkin I, **Trikalinos TA** (2019) Different evidence-summaries have implications for contextualizing findings of meta-analysis of diagnostic tests. *Journal of Clinical Epidemiology* 109: 51–61.
42. Kim DD, **Trikalinos TA**, Wong JB (2019) Leveraging cumulative network meta-analysis and value of information analysis to understand the evolving value of medical research. *Med Decis Making* 39: 119–129.
43. Neumann PJ, Kim DD, **Trikalinos TA**, Sculpher MJ, Salomon JA, Prosser LA, Owens DK, Meltzer DO, Kuntz KM, Krahn M, Feeny D, Basu A, Russell LB, Siegel JE, Ganiats TG, Sanders GD (2018) Future directions for cost-effectiveness analyses in health and medicine. *Med Decis Making* 38: 767–777.
44. Panagiotou OA, Markozannes G, Adam GP, Kowalski R, Gazula A, Di M, Bond DS, Ryder BA, **Trikalinos TA** (2018) Comparative Effectiveness and Safety of Bariatric Procedures in Medicare-Eligible Patients: A Systematic Review. *JAMA Surg* 153: e183326.
45. Kimmel HJ, Brice YN, **Trikalinos TA**, Sarkar IN, Ranney ML (2019) Real-time emergency department electronic notifications regarding high-risk patients: A systematic review. *Telemed J E Health* 25: 604–618.
46. Drucker AM, Adam GP, Rofeberg V, Gazula A, Smith B, Moustafa F, Weinstock MA, **Trikalinos TA** (2018) Treatments of primary basal cell carcinoma of the skin: A systematic review and network meta-analysis. *Ann Intern Med* 169: 456–466.
47. Adam GP, Springs S, **Trikalinos TA**, Williams JW, Eaton JL, Von Isenburg M, Gierisch JM, Wilson LM, Robinson KA, Viswanathan M, Middleton JC, Forman-Hoffman VL, Berliner E, Kaplan RM (2018) Does information from ClinicalTrials.gov increase transparency and reduce bias? Results from a five-report case series. *Syst Rev* 7: 59.
48. Adam GP, Di M, Cu-Uvin S, Halladay C, Smith BT, Iyer S, **Trikalinos TA** (2018) Strategies for improving the lives of US women aged 40 and above living with HIV/AIDS: An evidence map. *Syst Rev* 7: 25.
49. Bertsimas D, Silberholz JM, **Trikalinos TA** (2018) Optimal healthcare decision making under multiple mathematical models: Application in prostate cancer screening. *Health Care Manag Sci* 21: 105–118.
50. Tasillo A, Salomon JA, **Trikalinos TA**, Horsburgh CR, Marks SM, Linas BP (2017) Cost-effectiveness of testing and treatment for latent tuberculosis infection in residents born outside the United States with and without medical comorbidities in a simulation model. *JAMA Intern Med* 177: 1755–1764.
51. Steele DW, Adam GP, Di M, Halladay CH, Balk EM, **Trikalinos TA** (2017) Effectiveness of tympanostomy tubes for otitis media: a meta-analysis. *Pediatrics* 139.

52. Steele DW, Adam GP, Di M, Halladay CW, Balk EM, **Trikalinos TA** (2017) Prevention and treatment of tympanostomy tube otorrhea: a meta-analysis. *Pediatrics* 139.
53. Ellis AG, **Trikalinos TA**, Wessler BS, Wong JB, Dahabreh IJ (2018) Propensity score-based methods in comparative effectiveness research on coronary artery disease. *Am J Epidemiol* 187: 1064–1078.
54. Mortensen ML, Adam GP, **Trikalinos TA**, Kraska T, Wallace BC (2017) An exploration of crowdsourcing citation screening for systematic reviews. *Res Synth Methods* 8: 366–386.
55. Dahabreh IJ, **Trikalinos TA**, Lau J, Schmid CH (2017) Univariate and bivariate likelihood-based meta-analysis methods performed comparably when marginal sensitivity and specificity were the targets of inference. *J Clin Epidemiol* 83: 8–17.
56. Dahabreh IJ, Wong JB, **Trikalinos TA** (2017) Validation and calibration of structural models that combine information from multiple sources. *Expert Rev Pharmacoecon Outcomes Res* 17: 27–37.
57. Kapoor A, Ellis A, Shaffer N, Gurwitz J, Chandramohan A, Saulino J, Ishak A, Okubanjo T, Michota F, Hylek E, **Trikalinos TA** (2017) Comparative effectiveness of venous thromboembolism prophylaxis options for the patient undergoing total hip and knee replacement: a network meta-analysis. *J Thromb Haemost* 15: 284–294.
58. Dahabreh IJ, **Trikalinos TA**, Balk EM, Wong JB (2016) Recommendations for the conduct and reporting of modeling and simulation studies in health technology assessment. *Ann Intern Med* 165: 575–581.
59. Sanders GD, Neumann PJ, Basu A, Brock DW, Feeny D, Krahm M, Kuntz KM, Meltzer DO, Owens DK, Prosser LA, Salomon JA, Sculpher MJ, **Trikalinos TA**, Russell LB, Siegel JE, Ganiats TG (2016) Recommendations for conduct, methodological practices, and reporting of cost-effectiveness analyses in health and medicine: the second panel on cost-effectiveness in health and medicine. *JAMA* 316: 1093–1103.
60. Moher D, Shamseer L, Clarke M, Ghersi D, Liberati A, Petticrew M, Shekelle P, Stewart LA, Altman DG, Booth A, Chan AW, Chang S, Clarke M, Clifford T, Dickersin K, Egger M, Ghersi D, Goetzsch PC, Grimshaw JM, Groves T, Helfand M, Higgins J, Lasserson T, Lau J, Liberati A, Lohr K, McGowan J, Moher D, Mulrow C, Norton M, Page M, Petticrew M, Sampson M, Schunemann H, Shamseer L, Shekelle P, Simera I, Stewart LA, Summerskill W, Tetzlaff J, **Trikalinos TA**, Tovey D, Turner L, Whitlock E (2015) Preferred reporting items for systematic review and meta-analysis protocols (PRISMA-P) 2015 statement. *Syst Rev* 4: 1.
61. Shamseer L, Moher D, Clarke M, Ghersi D, Liberati A, Petticrew M, Shekelle P, Stewart LA, Altman DG, Booth A, Chan AW, Chang S, Clarke M, Clifford T, Dickersin K, Egger M, Ghersi D, Goetzsch PC, Grimshaw JM, Groves T, Helfand M, Higgins J, Lasserson T, Lau J, Liberati A, Lohr K, McGowan J, Moher D, Mulrow C, Norton M, Page M, Petticrew M, Sampson M, Schunemann H, Shamseer L, Shekelle P, Simera I, Stewart LA, Summerskill W, Tetzlaff J, **Trikalinos TA**, Tovey D, Turner L, Whitlock E (2015) Preferred reporting items for systematic review and meta-analysis protocols (PRISMA-P) 2015: elaboration and explanation. *BMJ* 349: g7647.
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### Refereed Reports, White Papers & Technology Assessments

*Agency for Healthcare Research and Quality (AHRQ) Evidence Reports, Comparative Effectiveness Reviews, Technology Assessments and Methods Reports are rigorously peer-reviewed (typically by 5 – 15 referees, contrary to just 2 – 4 for Journal publications), and are also subjected to open public review. These products carry substantial weight. They are often commissioned to inform national committees and healthcare coverage decisions. Evidence Reports for the Veteran Affairs Evidence Synthesis Program (VA ESP) are peer reviewed by 2-5 referees.*

*Some of my Journal publications are based on work performed in herein listed reports; any such papers are listed in the Refereed Journal Articles section. These are not duplicate publications, and are not considered as such neither by AHRQ/VA nor by the respective journal editors.*

170. Steele DW, Caputo EL, Kanaan G, Zahradnik ML, Brannon E, Freeman JB, Balk EM, **Trikalinos TA**, Adam GP (2024) Diagnosis and management of obsessive compulsive disorders in children. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
171. Quinn M, Jutkowitz E, Primack J, Lenger K, Rudolph J, **Trikalinos TA**, Rickard T, Mai JH, Balk E, Konnyu K (2024) Protocols to reduce seclusion in inpatient mental health units: a systematic review. Technical report, Washington (DC): Department of Veterans Affairs (US).
172. Jutkowitz E, Rieke K, Caputo EL, Yan S, Rudolph J, Mai JH, Kanaan G, Leonard T, Rickard T, Balk EM, **Trikalinos T** (2024) Radiation therapy for benign conditions: A systematic review. Technical report, Washington (DC): Department of Veterans Affairs (US).
173. Jutkowitz E, Hsiao J, Celedon M, Rudolph J, Konnyu K, Erqou S, Baig M, **Trikalinos TA**, Ngamdu K, Kanaan G, Cui S, Rickard T, Tran T, Balk EM (2023) Accelerated diagnostic protocols using

high-sensitivity troponin assays to rule in or out myocardial infarction: A systematic review. Technical report, Washington (DC): Department of Veterans Affairs (US).

174. Steele DW, Becker S, Danko KJ, Balk EM, Saldanha IJ, Adam GP, Bagley SM, Friedman C, Spirito A, Scott K, Ntzani EE, Saeed I, Smith B, Popp J, **Trikalinos TA** (2020) Interventions for substance use disorders in adolescents: A systematic review. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
175. **Trikalinos TA**, Adam GP, Jap J, Senturk B, Springs S, Sanders-Schmidler G, Lallinger K, Butler M, Brassure M, Banez L, Berliner E, Gozu A, Balk EM (2019) Web interactive presentation of epc reports: A foray into interactive reports. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
176. Balk EM, Adam GP, Kimmel HJ, Rofeberg V, Saeed I, Jeppson P, **Trikalinos TA** (2018) Nonsurgical treatments for urinary incontinence in women: A systematic review update. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
177. Balk EM, Gazula A, Markozannes G, Kimmel HJ, Saldanha I, Resnik LJ, **Trikalinos TA** (2018) Lower limb prostheses: Measurement instruments, comparison of component effects by subgroups, and long-term outcomes. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
178. Panagiotou OA, Markozannes G, Kowalski R, Gazula A, Di M, Bond DS, Ryder B, Adam GP, **Trikalinos TA** (2018) Short- and long-term outcomes after bariatric surgery in the Medicare population. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
179. Drucker A, Adam GP, Langberg V, Gazula A, Smith B, Moustafa F, Weinstock MW, **Trikalinos TA** (2017) Treatments for primary basal and squamous cell carcinoma of the skin: A systematic review and network meta-analysis. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
180. Balk EM, Ellis AG, Di M, Adam GP, **Trikalinos TA** (2017) Venous thromboembolism prophylaxis in major orthopedic surgery: Systematic review update. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
181. Springs S, Adam GP, Langberg V, Halladay CW, **Trikalinos TA** (2017) Supplemental project to assess the transparency of reporting requirements: Omega-3 fatty acids and cardiovascular disease. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
182. Adam GP, Springs S, Langberg V, Halladay CW, **Trikalinos TA** (2017) Supplemental project to assess the transparency of reporting requirements: Tympanostomy tubes in children with otitis media. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
183. Steele DW, Adam GP, Di M, Halladay CW, Pan I, Coppersmith N, Balk EM, **Trikalinos TA** (2017) Tympanostomy tubes in children with otitis media. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
184. Dahabreh IJ, Chan JA, Earley A, Moorthy D, Avendano EE, **Trikalinos TA**, Balk EM, Wong JB (2017) Modeling and simulation in the context of health technology assessment: Review of existing guidance, future research needs, and validity assessment. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
185. Adam GP, Di M, Cu-Uvin S, W HC, Smith BT, **Trikalinos TA** (2016) Strategies for improving the lives of women aged 40 and above living with HIV/AIDS. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
186. Dahabreh IJ, **Trikalinos TA**, Balk EM, Wong JB (2016) Guidance for the conduct and reporting of modeling and simulation studies in the context of health technology assessment. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).

187. Balk EM, G R, Adam GP, Halladay CW, Langberg VN, Azodo IA, **Trikalinos TA** (2016) Renal artery stenosis management strategies: An updated comparative effectiveness review. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
188. Dahabreh IJ, Adam GP, Halladay CW, Steele DW, Daiello LA, Wieland LS, Zgodic A, Smith BT, Herliczek TW, Shah N, **Trikalinos TA** (2015) Diagnosis of right lower quadrant pain and suspected acute appendicitis. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
189. **Trikalinos TA**, Wieland LS, Adam GP, Zgodic A, Ntzani EE (2014) Decision aids for cancer screening and treatment. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
190. Dahabreh IJ, Steele DW, Shah N, **Trikalinos TA** (2014) Oral mechanical bowel preparation for colorectal surgery. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
191. Dahabreh IJ, Wieland LS, Adam GP, Halladay CW, Lau J, **Trikalinos TA** (2014) Core needle and open surgical biopsy for diagnosis of breast lesions: An update to the 2009 report. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
192. Balk EM, Earley A, Hadar N, Shah N, **Trikalinos TA** (2014) Benefits and harms of routine preoperative testing: Comparative effectiveness. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
193. Guise JM, Chang C, Viswanathan M, Glick S, Treadwell J, Umscheid CA, Whitlock E, Fu R, Berliner E, Paynter R, Anderson J, Motu'apuaka P, **Trikalinos TA** (2014) Systematic reviews of complex multicomponent health care interventions. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
194. **Trikalinos TA**, Trow P, Schmid CH (2013) Simulation-based comparison of methods for meta-analysis of proportions and rates. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
195. **Trikalinos TA**, Dahabreh IJ, Wallace BC, Schmid CH, L LJ (2013) Towards a framework for communicating confidence in methodological recommendations for systematic reviews and meta-analyses. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
196. **Trikalinos TA**, Hoaglin DC, Small KM, Schmid CH (2013) Evaluating practices and developing tools for comparative effectiveness reviews of diagnostic test accuracy: Methods for the joint meta-analysis of multiple tests. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
197. Balk EM, Chung M, Hadar N, Patel K, Yu WW, **Trikalinos TA**, Kong Win Chang L (2013) Assessing the accuracy of Google Translate for the purpose of translating non-English language trials for data extraction. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
198. **Trikalinos TA**, Hoaglin DC, Schmid CH (2013) Empirical and simulation-based comparison of univariate and multivariate meta-analysis for binary outcomes. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
199. Balk EM, Earley A, Patel K, **Trikalinos TA**, Dahabreh IJ (2012) Empirical assessment of within-arm correlation imputation in trials of continuous outcomes. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
200. Dahabreh IJ, **Trikalinos TA**, Lau J, Schmid CH (2012) An empirical assessment of bivariate methods for meta-analysis of test accuracy. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
201. **Trikalinos TA**, Balion CM (2012) Options for summarizing medical test performance in the absence of a "gold standard" (Chapter 9). Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
202. **Trikalinos TA**, Kulasingam S, Lawrence WF (2012) Deciding whether to complement a systematic review of medical tests with decision modeling (Chapter 10). Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).

203. **Trikalinos TA**, Balion CM, Coleman CI, Griffith L, Santaguida PL, Vandermeer B, Fu R (2012) Meta-analysis of test performance when there is a “gold standard” (Chapter 8). Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
204. Balk EM, Chung M, Hadar N, Patel K, Yu WW, **Trikalinos TA**, Chang LW (2012) Accuracy of data extraction of non-english language trials with Google Translate. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
205. Kane RL, Guise JM, Hartman K, Rothenberg B, **Trikalinos TA**, Wilt T (2012) Presentation of future research needs. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
206. Carey TS, Sanders GD, Viswanathan M, **Trikalinos TA**, Kato E, Chang S (2012) Framework for considering study designs for future research needs. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
207. Dahabreh IJ, Chung M, Kitsios GD, Terasawa T, Raman G, Tatsioni A, Tobar A, Lau J, **Trikalinos TA**, Schmid CH (2012) Comprehensive overview of methods and reporting of meta-analyses of test accuracy. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
208. **Trikalinos TA**, Lee J, Moorthy D, Yu WW, Lau J, Lichtenstein AH, Chung M (2012) Effects of eicosapentanoic acid and docosahexanoic acid on mortality across diverse settings: Systematic review and meta-analysis of randomized trials and prospective cohorts: Nutritional Research Series, vol. 4. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
209. Dahabreh IJ, Chung M, Kitsios GD, Terasawa T, Raman G, Tatsioni A, Tobar A, Lau J, **Trikalinos TA**, Schmid CH (2012) Evaluating practices and developing tools for comparative effectiveness reviews of diagnostic test accuracy: Comprehensive overview of methods and reporting of meta-analyses of test accuracy. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
210. Chung M, Dahabreh IJ, Hadar N, Ratichak SJ, Gaylor JM, **Trikalinos TA**, Lau J (2011) Emerging MRI technologies for imaging musculoskeletal disorders under loading stress [Internet]. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
211. **Trikalinos TA**, Moorthy D, Chung M, Yu WW, Lee J, Lichtenstein AH, Lau J (2011) Comparison of translational patterns in two nutrient-disease associations: Nutritional Research Series, vol. 5. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
212. **Trikalinos TA**, Dahabreh IJ, Lee J, Moorthy D (2011) Defining an optimal format for presenting research needs [Internet]. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
213. **Trikalinos TA**, Terasawa T, Raman G, Ip S, Lau J (2010) A systematic review of loss-of-heterozygosity based topographic genotyping with PathfinderTG®. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
214. Raman G, Wallace BC, Chung M, Mahoney A, **Trikalinos TA**, Lau J (2010) Update on genetic tests for non-cancer diseases/conditions: A horizon scan. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
215. Raman G, Wallace BC, Patel K, Lau J, **Trikalinos TA** (2010) Update of horizon scans of genetic tests currently available for clinical use in cancers. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
216. Terasawa T, Dahabreh IJ, Castaldi PJ, **Trikalinos TA** (2010) Systematic reviews on selected pharmacogenetic tests for cancer treatment: CYP2D6 for tamoxifen in breast cancer, KRAS for anti-EGFR antibodies in colorectal cancer, and BCR-ABL1 for tyrosine kinase inhibitors in chronic myeloid leukemia. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
217. Fu R, Gartlehner G, Grant M, Shamliyan T, Sedrakyan A, Wilt TJ, Griffith L, Oremus M, Raina P, Ismaila A, Santaguida P, Lau J, **Trikalinos TA** (2010) Conducting quantitative synthesis when

comparing medical interventions: AHRQ and the Effective Health Care Program. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).

218. **Trikalinos TA**, Dahabreh IJ, Wong JB, Rao M (2010) Future research needs for the comparison of percutaneous coronary interventions with bypass graft surgery in nonacute coronary artery disease: Identification of future research needs from comparative effectiveness review no. 9 [internet]. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
219. **Trikalinos TA**, Siebert U, Lau J (2009) Decision-analytic modeling to evaluate benefits and harms of medical tests – uses and limitations: Medical Tests White Paper Series [Internet]. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
220. **Trikalinos TA**, Terasawa T, Ip S, Raman G, Lau J (2009) Particle beam radiation therapies for cancer [Internet]. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
221. Chung M, Balk EM, Brendel M, Ip S, Lau J, Lee J, Lichtenstein A, Patel K, Raman G, Tatsioni A, Terasawa T, **Trikalinos TA** (2009) Vitamin D and calcium: A systematic review of health outcomes. *Evid Rep Technol Assess (Full Rep)* : 1–420.
222. Chung M, Balk EM, Ip S, Raman G, Yu WW, **Trikalinos TA**, Lichtenstein AH, Yetley EA, Lau J (2009) Reporting of systematic reviews of micronutrients and health: A critical appraisal: Nutrition Research Series, vol. 3. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
223. Russell R, Chung M, Balk EM, Atkinson S, Giovannucci EL, Ip S, Taylor Mayne S, Raman G, Ross AC, **Trikalinos TA**, West KP, Lau J (2009) Issues and challenges in conducting systematic reviews to support development of nutrient reference values: Workshop summary: Nutrition Research Series, vol. 2. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
224. Ip S, Chung M, **Trikalinos TA**, DeVine D, Lau J (2008) Screening for bilirubin encephalopathy [Internet]. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
225. Chung M, Ip S, Yu WW, Raman G, **Trikalinos TA**, DeVine D, Lau J (2008) Interventions in primary care to promote breastfeeding: A systematic review [Internet]. Rockville (MD): Agency for Healthcare Research and Quality (US) .
226. Lau J, Balk EM, Chung M, DeVine D, Ip S, Raman G, **Trikalinos TA**, Lichtenstein AH (2008) Issues and challenges in conducting systematic reviews to support development of nutrient reference values: Workshop summary. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
227. Balk E, Raman G, Chung M, Cepeda S, **Trikalinos TA**, Chew PW, Krishnamani R (2008) Evaluation of the evidence on benefits and harms of pulmonary artery catheter use in critical care settings. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
228. **Trikalinos TA**, Lau J (2008) Home diagnosis of obstructive sleep apnea-hypopnea syndrome: Modeling diagnostic strategies. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
229. Balk EM, Cepeda S, Ip S, **Trikalinos TA**, O'Donnell T (2008) Horizon scan of invasive interventions for lower extremity peripheral artery disease and systematic review of studies comparing stent placement to other interventions. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
230. Raman G, **Trikalinos TA**, Zintzaras E, Kitsios G, Ziogas D, Ip S, Lau J (2008) Reviews of selected pharmacogenetic tests for non-cancer and cancer conditions. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
231. Balk E, Teplinsky E, **Trikalinos TA**, Chew PW, Chung M, Pittas A (2007) Applicability of the evidence regarding intensive glycemic control and self-monitored blood glucose to medicare patients with type 2 diabetes. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).

232. Raman G, Chew PW, **Trikalinos TA**, Teplinsky E, DeVine D, Demmer LA, Lau J (2007) Genetic tests for non-cancer diseases/conditions: A horizon scan. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
233. Bonis PA, **Trikalinos TA**, Chung M, Chew P, Ip S, DeVine DA, Lau J (2007) Hereditary nonpolyposis colorectal cancer: Diagnostic strategies and their implications. *Evid Rep Technol Assess (Full Rep)* : 1–180.
234. Ip S, Chung M, Raman G, Chew P, Magula N, DeVine D, **Trikalinos TA**, Lau J (2007) Breastfeeding and maternal and infant health outcomes in developed countries. *Evid Rep Technol Assess (Full Rep)* : 1–186.
235. **Trikalinos TA**, Ip S, Raman G, Cepeda S, Balk EM, D'Ambrosio C, Lau J (2007) Home diagnosis of obstructive sleep apnea-hypopnea syndrome. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).
236. **Trikalinos TA**, Raman G, Kupelnick B, Chew PW, Lau J (2006) Pulmonary rehabilitation for COPD and other lung disease. Technical report, Rockville (MD): Agency for Healthcare Research and Quality (US).

### Refereed Contributions in Computer Science

*In computer science, peer-reviewed Conferences rather than Journals are the most prestigious venue of academic communication. Acceptance to a conference is on the basis of a full 6 to 12-page paper, which is reviewed by 2 – 4 referees. Conferences such as ICML [237] and KDD [238] are among the most prestigious (comparable to a JAMA or The Lancet article in the medical world).*

237. Small K, Wallace BC, Brodley CE, **Trikalinos TA** (2011) The constrained weight space SVM: Learning with labeled features. In: International Conference on Machine Learning. ICML '11.
238. Wallace BC, Small K, Brodley CE, **Trikalinos TA** (2010) Active learning for biomedical citation screening. In: Proceedings of the 16th ACM SIGKDD international conference on Knowledge discovery and data mining. New York, NY, USA: ACM, KDD '10, pp. 173–182. doi:10.1145/1835804.1835829.
239. Salkar N, **Trikalinos TA**, Wallace BC, Nenkova A (2022) Self-repetition in abstractive neural summarizers. In: 2nd Conference of Asia-Pacific Chapter of the Association for Computational Linguistics and the 12th International Joint Conference on Natural Language Processing. AACL-IJCNLP 2022.
240. Lease M, Comack GV, Nguyen AT, **Trikalinos TA**, Wallace BC (2016) Systematic Review is e-Discovery in doctors' clothing. In: Medical Information Retrieval Workshop. MedIR 16.
241. Wallace BC, Dahabreh IJ, **Trikalinos TA**, Laws MB, Wilson IB, Charniak E (2014) Identifying differences in physician communication styles with a log-linear transition component model. In: AAAI. pp. 1314–1320.
242. Wallace BC, **Trikalinos TA**, Laws MB, Wilson IB, Charniak E (2013) A generative joint, additive, sequential model of topics and speech acts in patient-doctor communication. In: Empirical Methods in Natural Language Processing. EMNLP '13.
243. Wallace BC, Small K, Brodley CE, Lau J, **Trikalinos TA** (2012) Deploying an interactive machine learning system in an evidence-based practice center: abstrackr. In: Proceedings of the 2nd ACM SIGHIT International Health Informatics Symposium. New York, NY, USA: ACM, IHI '12, pp. 819–824. doi:10.1145/2110363.2110464.
244. Wallace BC, Dahabreh IJ, Moran KH, Brodley CE, **Trikalinos TA** (2013) Active literature discovery for scoping evidence reviews: How many needles are there? In: KDD Workshop on Data Mining for Healthcare. KDD-DMH '13.
245. Wallace BC, Small K, Brodley CE, **Trikalinos TA** (2011) Class imbalance, redux. In: IEEE 11th International Conference on Data Mining (ICDM). IEEE, pp. 754–763.

246. Wallace BC, Small K, Brodley CE, **Trikalinos TA** (2011) Who should label what? Instance allocation in multiple expert active learning. In: SIAM International Conference on Data Mining (SDM). pp. 176-187.
247. Wallace BC, Small K, Brodley CE, Lau J, **Trikalinos TA** (2010) Modeling annotation time to reduce workload in comparative effectiveness reviews. In: Proceedings of the 1st ACM International Health Informatics Symposium. New York, NY, USA: ACM, IHI '10, pp. 28-35. doi:10.1145/1882992.1882999.

### Refereed Contributions in Ecology and Evolutionary Biology

248. Wallace BC, Lajeunesse MJ, Dietz G, Dahabreh IJ, **Trikalinos TA**, Schmid CH, Gurevitch J (2017) OpenMEE: Intuitive, open-source software for meta-analysis in ecology and evolutionary biology. *Methods in Ecology and Evolution* 8: 941-947.

### Editorials, Commentaries & Non-refereed Journal Articles

*Some of the herein listed commentaries have been peer reviewed (see [1, 2, 3, 4]).*

1. Leslie LK, Alexander ME, **Trikalinos TA**, Cohen JT, Parsons SK, Newburger JW (2008) Reexamining the emperor's new clothes: ambiguities in current cardiac screening recommendations for youth with attention deficit hyperactivity disorder. *Circ Cardiovasc Qual Outcomes* 1: 134-137.
2. Kent DM, **Trikalinos TA** (2009) Therapeutic innovations, diminishing returns, and control rate preservation. *JAMA* 302: 2254-2256.
3. Li T, Puhan MA, Vedula SS, Singh S, Dickersin K, Cameron C, Dickersin K, Goodman SN, Ad Hoc Network Meta-analysis Methods Meeting Working Group [including Trikalinos, T A] (2011) Network meta-analysis-highly attractive but more methodological research is needed. *BMC Med* 9: 79.
4. Panagiotou OA, **Trikalinos TA** (2015) Commentary: On Effect Measures, Heterogeneity, and the Laws of Nature. *Epidemiology* 26: 710-713.
5. Fulton JP, **Trikalinos TA**, Popp J, Pollen S, Barclay D, Freeman M, Messick M (2024) Estimating the effectiveness of COVID-19 mitigation policy in Rhode Island. *Rhode Island Medical Journal* (2013) 107: 55-59.
6. **Trikalinos TA** (2024) Broader Options for Experimental Clinical Research in Melanoma - Time for Adaptive Platform Trials? *NEJM Evid* 3: EVIDe2400284.
7. **Trikalinos TA** (2023) Scientific Inference Does Not Rest on Statistical Testing. *NEJM Evid* 2: EVIDe2300022.
8. **Trikalinos TA** (2022) Assessing the Utility of Test-Based Prediction Models: Heart Failure as an Example. *NEJM Evid* 1: EVIDe2200229.
9. Cambra K, **Trikalinos TA**, O'Gara-Kurtis E (2013) The Sum is Greater than its Parts: The Center for Evidence-Based Medicine. *R I Med J* (2013) 96: 25-26.
10. Rao M, Peter I, **Trikalinos TA** (2010) A lesson from the Zuni Indians: heritability in perspective. *Am J Kidney Dis* 56: 251-254.
11. **Trikalinos TA** (2010) Nomogram can help estimate risk of serious hyperbilirubinemia in healthy infants. *J Pediatr* 156: 508-509.
12. Kent DM, **Trikalinos TA**, Hill MD (2009) Are unadjusted analyses of clinical trials inappropriately biased toward the null? *Stroke* 40: 672-673.

### Correspondence

13. Lim RK, **Trikalinos TA**, Weinstock MA (2022) Efficacy of Therapies for Actinic Keratosis. *JAMA Dermatol* 158: 702-703.

14. Drucker AM, Adam GP, Rofeberg V, Gazula A, Smith B, Moustafa F, Weinstock MA, **Trikalinos TA** (2020) Treatments for primary squamous cell carcinoma and squamous cell carcinoma in situ of the skin: A systematic review and network meta-analysis: Summary of an Agency for Healthcare Research and Quality Comparative Effectiveness Review. *J Am Acad Dermatol* 82: 479–482.
15. Dahabreh IJ, Kitsios GD, **Trikalinos TA**, Kent DM (2011) The complexity of ABO in coronary heart disease. *Lancet* 377: 1493–1494.
16. Trikalinos NA, **Trikalinos TA** (2009) Inconsistencies in a study of rifampicin-miconazole-impregnated catheters versus standard catheters. *Clin Infect Dis* 48: 841–842.
17. Kent DM, **Trikalinos TA**, Thaler DE (2008) Patent foramen ovale and cryptogenic stroke. *N Engl J Med* 358: 1519–1520.
18. **Trikalinos TA**, Panidou ET, Ioannidis JP (2005) Reply to Badri et al. on ‘Limited benefit of antiretroviral resistance testing in treatment-experienced patients: a meta-analysis’. *AIDS* 19: 1336–1337.
19. **Trikalinos TA**, Karassa FB, Ioannidis JP (2001) Meta-analysis of the association between low-affinity Fcγ receptor gene polymorphisms and hematologic and autoimmune disease. *Blood* 98: 1634–1635.

## Invited Talks

### International

#### *Non-exhaustive list*

1. **Trikalinos TA** Propagating ambiguity into decision analyses of test-and-treat strategies. Decision Making under Deep Uncertainty (DMDU) Symposium 11/25/2024.
2. **Trikalinos TA** Ensemble models for monitoring the evolution of the SARS-CoV-2 epidemic to inform relaxation of measures. Grand Rounds, Toronto Health Technology Assessment Group, University of Toronto, Canada 6/5/2020.
3. **Trikalinos TA** Decision making with comparative modeling: Application in prostate cancer screening. International Society for Clinical Biostatistics Annual Meeting, Birmingham, UK 8/23/2016.
4. **Trikalinos TA** Decision making under alternative interpretations of the evidence. Application in prostate cancer screening. Grand Rounds, Toronto Health Technology Assessment Group, University of Toronto, Canada 3/18/2016.
5. **Trikalinos TA** A Primer on the Meta-analysis of Medical Test Accuracy. Department for Evidence-based Medicine and Clinical Epidemiology, Danube University Krems, Austria 12/18/2014.
6. **Trikalinos TA** Multidimensional scaling and combinatorial methods for meta-analysis. University of Ottawa, Ottawa, Ontario, Canada 12/05/2011.
7. **Trikalinos TA** Modernizing the systematic review pipeline. University of Ottawa, Ottawa, Ontario, Canada 12/06/2011.
8. **Trikalinos TA** Genetic meta-analysis. 3rd course in Statistical Genetic Analysis of Complex Phenotypes, Bertinoro di Romagna, Italy 06/24-27/2007.
9. **Trikalinos TA** Investigating sufficiency of evidence using recursive cumulative meta-analysis. Conference on Sources of Heterogeneity in Meta-analysis of Randomized Clinical Trials, Bremen, Germany 02/10/2007.

### National

#### *Non-exhaustive list*



10. **Trikalinos TA** Discrete event simulation via point processes. Department of Medicine, Columbia University 12/17/2024.
11. **Trikalinos TA** Dynamic designs for efficiently training emulators of mathematical models. Cancer Policy Research Affinity Group, Fred Hutchinson Cancer Center 10/27/2022.
12. **Trikalinos TA** Estimating the sensitivity of SARS-COV-2 antibody testing from real world data. Evidence Accelerator meeting, diagnostics for SARS-CoV-2 09/03/2020.
13. **Trikalinos TA** Sars-cov-2 lookahead: primer on modeling. Biomedical Advanced Research and Development Authority (BARDA) Panel of SARS-CoV-2 04/30/2020.
14. **Trikalinos TA** Semiautomation of literature identification for systematic reviews. Evidence-based Practice Centers Methods Webinar 2/11/2020.
15. **Trikalinos TA** Emulation of computationally expensive mathematical models. Institute for Technology Assessment, Massachusetts General Hospital, Boston, MA 11/7/2019.
16. **Trikalinos TA** Evidence synthesis for decision making. Global Clinical Scholars Research Training Program, Harvard University, Cambridge, MA 11/7/2019.
17. **Trikalinos TA** Introduction to evidence based medicine. Global Clinical Scholars Research Training Program, Harvard University, Cambridge, MA 6/1/2019.
18. **Trikalinos TA, Panagiotou O** Health outcomes after bariatric surgical therapies in the medicare population: A technology assessment. Centers for Medicare and Medicaid Services Coverage Advisory Committee Meeting, Baltimore, MD 08/15/2017.
19. **Trikalinos TA** Introduction to evidence based medicine. Global Clinical Scholars Research Training Program, Harvard University, Cambridge, MA 6/6/2017.
20. **Trikalinos TA** Evidence synthesis for decision and policy making. Plenary session, Mini-Symposium in Health, Center for Information and Systems Engineering, College of Engineering, Boston University, Boston, MA 04/07/2017.
21. **Trikalinos TA** Evaluation of diagnostics and introduction to medical decision making. Grand Rounds, Department of Emergency Medicine, Rhode Island Hospital, Providence, RI 02/08/2017.
22. **Trikalinos TA** A gentle primer in network meta-analysis for dermatologists. Department of Dermatology, Rhode Island Hospital, Providence, RI 10/20/2016.
23. **Trikalinos TA** A robust approach to designing cancer screening strategies. Data Science Initiative, Brown University, Providence, RI 10/07/2016.
24. **Trikalinos TA** Designing personalized optimal screening strategies via mathematical optimization. Cancer Intervention and Surveillance Modeling Network semiannual meeting, Baltimore, MD 10/28/2016.
25. **Trikalinos TA** Introduction to evidence based medicine. Global Clinical Scholars Research Training Program, Harvard University, Cambridge, MA 6/3/2016.
26. **Trikalinos TA** Robust optimization approaches to designing optimal screening strategies. Cancer Intervention and Surveillance Modeling Network semiannual meeting, Boston, US 5/11/2016.
27. **Trikalinos TA** Evidence synthesis for diagnostic tests with imperfect reference standards and ordered performance. Prevention Modeling Lab, TH Chan Harvard School of Public Health, Boston, US 5/6/2016.
28. **Trikalinos TA** A gentle primer in network meta-analysis for pediatricians. Grand Rounds, Department of Pediatrics, Rhode Island Hospital, Providence, RI 4/8/2016.
29. **Trikalinos TA** Evidence synthesis for informing public health decision making. Centers for Disease Control and Prevention, Atlanta, GA 8/19/2015.

30. **Trikalinos TA** An overview of evidence-based methods for assessing comparative effectiveness and safety of interventions. Department of Obstetrics and Gynecology, Women and Infants Hospital, Providence, RI 1/21/2015.
31. **Trikalinos TA** Introduction to evidence based medicine. Global Clinical Scholars Research Training Program, Harvard University, Cambridge, MA 6/3/2015.
32. **Trikalinos TA** Dietary supplements: Is there a recommended approach for evaluating the evidence? American Society of Nutrition, Santa Monica, CA 12/4/2015.
33. **Trikalinos TA** Modernizing evidence synthesis for comparative effectiveness research. Brown Pulmonary Research Conference, Rhode Island Hospital 4/15/2015.
34. **Trikalinos TA** Modernizing Technology Assessments in Healthcare. Meaningful Use of Complex Medical Data (MUCMD) Meeting, The Saban Research Institute, Children's Hospital of Los Angeles 09/08/2014.
35. **Trikalinos TA** Optimizing healthcare decisions with Evidence-based Medicine. Rhode Island Innovation Showcase, Brown University Technology Ventures office 05/06/2014.
36. **Trikalinos TA** Some introduction to CEBM at Brown U, and to network meta-analysis. Department of Psychiatry and Human Behavior, Brown University 01/27/2014.
37. **Trikalinos TA** Decision support tools (decision aids) for early cancer treatment and screening decisions. Process of Care Research Branch, National Cancer Institute 01/27/2014.
38. **Trikalinos TA** The problem of capturing and reusing previous effort in technology assessment in healthcare. Department of Computer Science, Brown University 11/13/2013.
39. **Trikalinos TA** Intro to meta-analysis of complex data – Bayesian network meta-analysis for unordered categorical outcomes with incomplete data. Biostatistics Branch, National Cancer Institute 11/06/2013.
40. **Trikalinos TA** Evidence-based Medicine, the Clinical Data Deluge, and Machine Learning. Industrial Partners Program (IPP) Symposium on Putting Big Data to Work, Brown University 04/25/2013.
41. **Trikalinos TA** Bayesian network meta-analysis for unordered categorical outcomes with incomplete data. 11th American Statistical Association Connecticut Chapter Mini-Conference 03/27/2013.
42. **Trikalinos TA** An overview of methods for evaluating the comparative effectiveness and safety of interventions. Department of Obstetrics and Gynecology, Brown University (Women and Infants Hospital) 01/09/2013.
43. **Trikalinos TA** Do this, not that. Saving money by following medical evidence. The Paul Levinger Professorship Pro Tem Lecture in the Economics of Healthcare, Warren Alpert School of Medicine, Brown University 10/25/2012.
44. **Trikalinos TA** Making sense of data on multiple treatments: A gentle introduction to network meta-analysis. Brown University Center for Alcohol and Addiction Studies Rounds 11/02/2012.
45. **Trikalinos TA** Machine learning and multidimensional visualization applications in Comparative Effectiveness Research. Annual Data and Value Strategy Meeting, Center for Evaluation of Value and Risk in Health, Boston, MA 24/04/2012.
46. **Trikalinos TA** Modernizing knowledge synthesis and integration for comparative effectiveness. Annual Data and Value Strategy Meeting, Center for Evaluation of Value and Risk in Health, Boston, MA 14/04/2011.
47. **Trikalinos TA** Can pharmacogenetics deliver on personalized healthcare? Lessons learned. ACRT/SCTS Joint Annual Meeting, Clinical and Translational Research and Education Meeting , Washington DC 04/2011.
48. **Trikalinos TA** Meta-analysis of diagnostic tests. FDA Public Workshop 'Study Methodology for Diagnostics in the Post-Market Setting' 05/12/2010.

49. **Trikalinos TA** Network meta-analysis methods – software. Johns Hopkins University, Baltimore, MD 05/19/2010.
50. **Trikalinos TA** Network meta-analysis methods – presentation of data. Johns Hopkins University, Baltimore, MD 05/20/2010.
51. **Trikalinos TA** Systematic reviews on selected pharmacogenetic tests for cancer treatment: CYP2D6 for tamoxifen in breast cancer; KRAS for anti-EGFR antibodies in colorectal cancer; BCR-ABL1 for tyrosine kinase inhibitors in CML. Centers for Medicare and Medicaid Services Coverage Advisory Committee Meeting, Baltimore, MD 01/27/2010.
52. **Trikalinos TA** Exploring and explaining between-study heterogeneity in meta-analysis. Academy Health Annual Research Meeting, Boston, MA 06/27/2010.
53. **Trikalinos TA** Empirical insights from genetic meta-analysis: Challenges, biases, and unique considerations. SAMSI (Statistical and Applied Mathematical Sciences Institute) Summer 2008 Program on Meta-analysis: Synthesis and Appraisal of Multiple Sources of Empirical Evidence 06/05/2008.
54. **Trikalinos TA** Obstructive sleep apnea: Modeling different diagnostic strategies. Centers for Medicare and Medicaid Services (CMS) Evidence Forum, Baltimore, MD 08/01/2007.
55. **Trikalinos TA** Home diagnosis of obstructive sleep apnea-hypopnea syndrome. Centers for Medicare and Medicaid Services (CMS) Evidence Forum, Baltimore, MD 01/03/2007.
56. **Trikalinos TA** Pulmonary rehabilitation for chronic obstructive pulmonary disease. Centers for Medicare and Medicaid Services (CMS) Evidence Forum, Baltimore, MD 12/06/2006.
57. **Trikalinos TA** Hereditary nonpolyposis colorectal cancer: Accuracy of diagnostic strategies and implications to patients with colorectal cancer and their families. Centers for Disease Control, Atlanta, GA 09/01/2006.
58. **Trikalinos TA** Methodological challenges in large scale genomics. 26th European Workshop for Rheumatology Research, EWRR, Crete, Greece 02/24/2006.
59. **Trikalinos TA** Secrets and pitfalls of meta-analysis. Greek Society of Applied Medical Education, Athens, Greece 10/2005.
60. **Trikalinos TA** Primer on randomized clinical trials. Orthopaedic Sports Medicine Center of Ioannina, Ioannina, Greece 07/2004.
61. **Trikalinos TA** Temporal evolution of effect sizes in mental health interventions. Psychiatric Clinic, University Hospital, Ioannina, Greece 07/2003.
62. **Trikalinos TA** Assessing oxidative stress intensity in biological fluids. Oxidative DNA damage and isoprostanoid formation. Round Table, 2nd Hellenic conference of free radicals and oxidative stress, Thessaloniki, Greece 10/2000.

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## Other Exhibitions and Performances

### Selected Conference Abstracts - Presented by TA Trikalinos

#### *Non-exhaustive list*

63. **Trikalinos TA** (10/16/2023) Dynamic Designs for Calibration of Mathematical Models: Application in Bladder Cancer Population Modeling. In: Institute for Operations Research and the Management Sciences, Philadelphia, PA, US. p. Oral Presentation.
64. **Trikalinos TA**, Wallace BC, Jap J, Senturk B, Adam GP, Smith B, Schmid CH, Balk EM, Forbes SP (10/21/2019) Large scale empirical evaluation of machine learning for semi-automating citation screening in systematic reviews. In: 41st Society for Medical Decision Making Annual Meeting, Portland, OR, US. p. Oral Presentation.

65. **Trikalinos TA**, Ellis AG, Iskandar R, Wong JB, Schmid CH (9/23/2019) Active learning designs for emulators of computationally expensive mathematical models in health. In: 14th Annual Meeting of the Society for Research Synthesis Methodology, Chicago, IL, US. p. Oral Presentation.
66. **Trikalinos TA**, Silberholz JM, Bertsimas D (01/11/2018) Optimal healthcare decision making under multiple mathematical models - Application in prostate cancer screening. In: 12th International Conference for Health Policy Statistics, Charleston, SC, US. p. Oral Presentation.
67. **Trikalinos TA**, Forbes SP, Willis B, Iskandar R (10/22-25/2017) On a more honest propagation of uncertainty in stochastic mathematical models. In: 39th Society for Medical Decision Making Annual Meeting, Pittsburgh, PA, US. p. Oral Presentation [top rated].
68. Neumann PJ, Sanders-Schmidler G, Basu A, Brock D, Feeny D, Krahn M, Kuntz KM, Meltzer DO, Owens DK, Prosser LA, Salomon JA, Sculpher MJ, **Trikalinos TA**, Siegel JE, Russell LB, Ganiats TG The 2nd panel's recommendations on evidence synthesis for informing cost-effectiveness analysis. In: 38th Annual Meeting of the Society for Medical Decision Making, Vancouver, Canada. volume 10/24/2016.
69. **Trikalinos TA**, Cheng WC, Schmid CH, Gatsonis C Network meta-analysis of diagnostic tests. In: 2016 Eastern Nother American Region (ENAR) Spring meeting, Austin, TX. volume 05/08/2016.
70. **Trikalinos TA** (11/2015) On estimating optimization model parameters in Public Health and Medicine. In: Institute for Operations Research and the Management Sciences, Philadelphia, PA, US. p. Oral Presentation.
71. **Trikalinos TA**, Cheng W, Gatsonis C, Schmid CH (10/2015) Network meta-analysis of diagnostic accuracy studies. In: International Conference on Health Policy Statistics, Providence, RI, US. p. Poster Presentation.
72. **Trikalinos TA**, Olkin I (10/2014) A new bivariate beta distribution constructed from the Dirichlet distribution. In: Annual Society for Medical Decision Making Meeting 2014, Miami, FL, US. p. Oral Presentation.
73. **Trikalinos TA**, Olkin I, Schmid CH (8/2014) From meta-analysis to decisionmaking: The case of incomplete polytomous outcome data. In: Joint Statistical Meetings 2014, Boston, MA, US. p. Oral Presentation.
74. **Trikalinos TA**, Jansen JP (8/2014) Multivariate network meta-analysis of progression-free survival and overall survival. In: Joint Statistical Meetings 2014, Boston, MA, US. p. Oral Presentation.
75. **Trikalinos TA**, Hoaglin DC, Small KM, Terrin N, Schmid CH (10/2013) Methods for the joint meta-analysis of multiple tests. In: 35th Annual Meeting of the Society for Medical Decision Making, Baltimore, MD, US. p. Oral Presentation.
76. **Trikalinos TA**, Hoaglin DC, Schmid CH (09/2013) Empirical comparison of univariate and multivariate meta-analysis for categorical outcomes. In: 21st Cochrane Colloquium, Quebec City, Quebec, Canada. p. Oral Presentation.
77. Wallace BC, Small KM, Schmid CH, Lau J, Brodley C, **Trikalinos TA** (07/2011) Semi-automating citation screening for facilitating updating of systematic reviews. In: 6th Annual Meeting of the Society for Research Synthesis Methodology, Ottawa, Ontario, Canada. p. Oral Presentation.
78. **Trikalinos TA**, Dahabreh IJ, Wallace BC, Schmid CH, Lau J (07/2011) Framework for transparent guidance on methodology. In: 6th Annual Meeting of the Society for Research Synthesis Methodology, Ottawa, Ontario, Canada. p. Oral Presentation.
79. **Trikalinos TA**, Rebbapragada U, Wallace BC, Schmid CH, Lau J, Brodley C (07/2009) Automated detection of misclassifications during screening of abstracts for systematic reviews. In: 4th Annual Meeting of the Society for Research Synthesis Methodology, Seattle, WA. p. Oral Presentation.

80. Wallace BC, **Trikalinos TA** (10/2009) Semiautomating citation screening for systematic reviews. In: Genetic Applications in Practice and Prevention Network Initiative Meeting, Ann Arbor, MI. p. Poster Presentation.
81. **Trikalinos TA**, Chung M, Raman G, Lau J, Schmid CH (01/17/2008) Data extraction errors in meta-analyses of diagnostic tests. In: 7th International Conference on Health Policy Statistics, Philadelphia, PA. p. Oral Presentation.
82. **Trikalinos TA**, Chung M, Raman G, Lau J, Schmid CH (07/22/2008) Data extraction errors in meta-analyses of diagnostic tests. In: 3rd Annual Meeting of the Society for Research Synthesis Methodology, Corfu, Greece. p. Oral Presentation.
83. **Trikalinos TA**, Olkin I (07/2007) Fixed effects meta-analysis for mutually exclusive categorical outcomes. In: 2nd Annual Meeting of the Society for Research Synthesis Methodology, Evanston, IL. p. Oral Presentation.
84. **Trikalinos TA**, Ntzani E, Ioannidis JP, Contopoulos-Ioannidis DG (10/2-6/2004) Early evidence from meta-analyses of genetic risk factors is unreliable. In: 12th Cochrane Colloquium, Ottawa, Canada. p. Oral Presentation 82.
85. **Trikalinos TA**, Churchill R, Ferri M, Leucht S, Tuunainen A, Wahbeck K, Ioannidis JP (10/26-31/2003) Evolving effect sizes over time in meta-analyses of randomized trials: An empirical assessment of mental health interventions. In: 11th Cochrane Colloquium, Barcelona, Spain. p. Oral Presentation.

### Chairmanships in Conferences

*Non-exhaustive list, maintained from 2017 onwards*

86. **Trikalinos TA** Chair in session: Network meta-analysis. 2017 Joint Statistical Meetings, Baltimore, MD 08/01/2017.
87. **Trikalinos TA** Meeting co-chair. WHO Meeting on the use of mathematical modeling to inform global recommendations 04/27-29/2016.
88. **Trikalinos TA** Prioritization workshop lead facilitator: Prioritization of research needs for women who are older than 40 years and live with HIV. Office for Women's Health, NIH 05/10/2016.

### Selected Conference Abstracts - Presented by Coauthors

*Presentation [115] received an award for best Podium presentation.*

*Non-exhaustive list*

89. Luiz PB, Rosenblatt SF, Gantenberg JR, Khanna A, Wilson-Barthes MG, Netter J, Trikalnos TA, Wei G, Roarr B, Loftness BC, Lurie MN (June 24-30, 2024) Capturing high-resolution contact networks for pandemic planning: The mappingbrown study. In: Sunbelt Conference 2024, International Network for Social Network Analysis, Edinburgh, Scotland, UK. p. Oral Presentation.
90. Gantenberg JR, Trikalnos TA, Rosenblatt SF, Wei G, Netter J, Roarr B, Wilson-Barthes MG, Loftness BC, Luiz PB, Lurie MN (June 18-21, 2024) Measuring human mobility in indoor spaces: The mappingbrown study. In: Society for Epidemiologic Research (SER) Annual Meeting, Austin, TX, USA. p. Poster Presentation.
91. Ayers D, Toor K, Paul E, **Trikalinos TA** (May 18-20, 2020) Novel method of adjustment for heterogeneous routes of administration within a cost-effectiveness analysis: A case study in migraine. In: Virtual ISPOR 2020 Meeting. p. Poster Presentation.
92. Forbes SP, Iskandar R, **Trikalinos TA** (10/20-23/2019) Deciding how to decide: Evaluating choice functions for test-and-treat decision analyses with partially-identified expected utility. In: 41st Society for Medical Decision Making Annual Meeting, Portland, OR, US. p. Poster Presentation.

93. Ellis AG, Iskandar R, Schmid CH, Wong JB, **Trikalinos TA** (10/14-17/2018) An efficient sequential algorithm for training emulators to a target level of accuracy. In: 40th Society for Medical Decision Making Annual Meeting, Montreal, Canada. p. Poster Presentation.
94. Danilack V, Kimmel H, Phipps M, **Trikalinos TA** (10/14-17/2018) A network meta-analysis of labor induction interventions to inform a decision analysis. In: 40th Society for Medical Decision Making Annual Meeting, Montreal, Canada. p. Oral Presentation.
95. Forbes SB, **Trikalinos TA** (10/14-17/2018) Bounding the implications of non-compliance in randomized trials of orthopedic surgery. In: 40th Society for Medical Decision Making Annual Meeting, Montreal, Canada. p. Poster Presentation [Winner of the SG Pauker Award in Quantitative Methods and Theoretical Developments].
96. Pinto D, **Trikalinos TA** (10/14-17/2018) Synthesis of evidence on multicomponent interventions: Models and application to perioperative total joint arthroplasty rehabilitation strategies. In: 40th Society for Medical Decision Making Annual Meeting, Montreal, Canada. p. Poster Presentation.
97. Iskandar R, Alarid-Escudero F, **Trikalinos TA** (10/22-25/2017) On simulating multivariate distributions with arbitrary marginal distributions and dependence structures. In: 39th Society for Medical Decision Making Annual Meeting, Pittsburgh, PA, US. p. Oral Presentation.
98. Kim D, **Trikalinos TA**, Wong JB (10/23/2017) Cumulative network meta-analysis and research prioritization: Evolution of treatment effects for stable coronary artery disease. In: 39th Society for Medical Decision Making Annual Meeting, Pittsburgh, PA, US. p. Oral Presentation [top rated].
99. Ellis AG, Iskandar R, **Trikalinos TA** (10/22-25/2017) An active learning algorithm for efficiently developing meta-models, with an application in prostate cancer screening. In: 39th Society for Medical Decision Making Annual Meeting, Pittsburgh, PA, US. p. Poster Presentation [Lee Lusted Award winner].
100. Forbes SP, Iskandar R, **Trikalinos TA** (10/22-25/2017) Bounding the implications of partial identifiability in decision analysis. In: 39th Society for Medical Decision Making Annual Meeting, Pittsburgh, PA, US. p. Poster Presentation [Lee Lusted Award finalist].
101. Adam GP, Springs SL, **Trikalinos TA**, Williams JW, Eaton J, Von Isenburg M, Gierisch JM, Wilson LM, Sharma R, Dy SM, Waldfogel JM, Robinson KA, Viswanathan M, Cook-Middleton J, Forman-Hoffman VL, Berliner E, Kaplan RM Augmenting systematic reviews with information from clinicaltrials.gov to increase transparency and reduce bias. In: Peer Review Congress, Chicago, IL. volume 9/10/2017, p. Oral Presentation.
102. Alarid-Escudero F, Jalal H, **Trikalinos TA** Opportunity cost of non-rigorous or non-transferable research: Implications for economic evaluation. In: 6th Latin American Conference of the International Society of Pharmacoeconomics and Outcomes Research, Sao Paulo, Brazil. volume 9/16/2017, p. Poster Presentation.
103. Iskandar R, **Trikalinos TA** Simulating multivariate distributions with arbitrary marginal distributions and dependence structures. In: 22nd Annual Meeting of the International Society for Pharmacoeconomics and Outcomes Research, Boston, MA. volume 05/20-24/2017, p. Poster Presentation.
104. Ellis AG, Iskandar R, Schmid CH, Wong JB, **Trikalinos TA** An active learning algorithm for efficient development of emulators of complex model, with an application in prostate cancer screening. In: 22nd Annual Meeting of the International Society for Pharmacoeconomics and Outcomes Research, Boston, MA. volume 05/20-24/2017, p. Poster Presentation.
105. Forbes SP, Di M, Salomon JA, Linas BP, **Trikalinos TA** Evidence synthesis for diagnostic tests with partially ordered performance and no reference test. In: 22nd Annual Meeting of the International Society for Pharmacoeconomics and Outcomes Research, Boston, MA. volume 05/20-24/2017, p. Poster Presentation.
106. Drucker A, Adam GP, Langberg V, Gazula A, Smith B, Moustafa F, Weinstock MW, **Trikalinos TA** Treatments for primary basal and squamous cell carcinoma of the skin: A systematic review and

network meta-analysis. In: 76th Annual Meeting of the Society for Investigative Dermatology, Portland, OR. volume 04/26-29/2017, p. Oral Presentation.

107. Alarid-Escudero F, Jalal H, **Trikalinos TA** On the opportunity cost of non-rigorous or non-transferable research: Implications for economic evaluation. In: 38th Annual Meeting of the Society for Medical Decision Making, Vancouver, Canada. volume 10/24/2016, p. Oral Presentation.
108. Forbes SP, Di M, Salomon JA, Linas BP, **Trikalinos TA** Evidence synthesis for diagnostic tests with partially ordered performance and no reference standard. In: 38th Annual Meeting of the Society for Medical Decision Making, Vancouver, Canada. volume 10/24/2016, p. Poster Presentation [Lee Lusted Award winner].
109. Linas BP, Tasillo A, Menzies N, Horsburgh RC, Marks SM, **Trikalinos TA**, Salomon JA (5/2016) The cost-effectiveness of testing and treatment for latent tuberculosis infection among foreign-born persons in the U.S. In: American Thoracic Society Meeting, San Fransisco, CA, US. p. Poster Presentation.
110. Forbes S, **Trikalinos TA**, Dahabreh IJ (6/2016) Evidence synthesis using randomized and non-randomized studies of the effects of interventions: Recommendations for practice. In: Academy Health Annual Research Meeting, Boston, MA, US. p. Poster Presentation.
111. Ellis AG, **Trikalinos TA**, Wong JB, Dahabreh IJ (5/2016) An overview of statistical methods for meta-analysis combining individual participant data and aggregate data. In: 21st Annual International Meeting, International Society For Pharmacoeconomics and Outcomes Research – ISPOR, Washington DC, US. p. Poster Presentation.
112. Forbes S, **Trikalinos TA**, Dahabreh IJ (10/2015) Evidence synthesis using randomized and non-randomized studies of the effects of interventions: Recommendations for practice. In: International Conference on Health Policy Statistics, Providence, RI, US. p. Poster Presentation.
113. Silberholz JM, Bertsimas D, **Trikalinos TA** (11/2015) A robust optimization approach to designing cancer screening strategies. In: Institute for Operations Research and the Management Sciences, Philadelphia, PA, US. p. Oral Presentation.
114. Dahabreh IJ, **Trikalinos TA** (5/2015) Concepts of similarity in evidence synthesis. In: Society for Research Synthesis Methods Annual Meeting, Nashville, TN, US. p. Oral Presentation.
115. Dahabreh IJ, Wong JB, Balk EM, **Trikalinos TA** (5/2015) Guidance for the conduct and reporting of modeling and simulation in the context of health technology assessment. In: 20th Annual International Meeting, International Society For Pharmacoeconomics and Outcomes Research – ISPOR, Philadelphia, PA, US. p. Oral Presentation.
116. Zgodic A, **Trikalinos TA**, Olkin I, Schmid CH, Lau J, Dahabreh IJ (8/2014) Implications of different evidence-summaries for contextualizing and interpreting findings of meta-analysis of diagnostic tests. In: Joint Statistical Meetings 2014, Boston, MA, US. p. Oral Presentation.
117. Jansen JP, **Trikalinos TA** (10/2013) Mmultivariate network meta-analysis of progression-free survival and overall survival. In: 16th Annual European Meeting, International Society For Pharmacoeconomics and Outcomes Research – ISPOR. p. Oral Presentation.
118. Halladay CW, **Trikalinos TA**, Schmid IC, Schmid CH, Dahabreh IJ (10/2013) Searching for studies beyond Pubmed: What is the benefit of searching multiple databases? In: 35th Annual Meeting of the Society for Medical Decision Making, Baltimore, MD, US. p. Poster Presentation.
119. Ivers N, **Trikalinos TA**, Dahabreh IJ, Tricco A, Moher D, Ramsay T, Yu C, Straus S, Grimshaw J (2013) Does hierarchical meta-regression provide key insights for exploring the effectiveness of complex quality improvement interventions in diabetes? In: 21st Cochrane Colloquium, Quebec City, Quebec, Canada.
120. Dahabreh IJ, Terasawa T, Moorthy D, Lamont JL, Chen ML, **Trikalinos TA** (2012) Repurposing randomized controlled trials of therapeutic interventions to identify molecular biomarkers for treatment

choice: Case studies in oncology and cardiovascular disease. In: Agency for Healthcare Research and Quality Annual Conference, Washington, DC.

121. Dahabreh IJ, **Trikalinos TA**, Joseph L, Schmid CH (2012) An empirical assessment of bivariate methods for meta-analysis of test performance. In: 20th Cochrane Colloquium, Auckland, New Zealand.
122. Dahabreh IJ, Chung M, Kitsios GD, Raman G, Tatsioni A, Tobar A, Lau J, **Trikalinos TA**, Schmid CH (2012) Comprehensive overview of methods and reporting of meta-analyses of test accuracy. In: 20th Cochrane Colloquium, Auckland, New Zealand.
123. **Trikalinos TA**, Hoaglin DC, Small KM, Schmid CH (2012) Methods for the joint meta-analysis of multiple tests. In: 20th Cochrane Colloquium, Auckland, New Zealand.
124. **Trikalinos TA**, Hoaglin DC, Small K, Schmid CH (2012) Methods for the joint meta-analysis of multiple tests. In: Society for Research Synthesis Methodology Annual Meeting, Provence, France.
125. Alreja G, Chandrasekaran D, **Trikalinos TA**, Rothberg M (2011) Oral anticoagulants for secondary prophylaxis of stroke in coronary artery disease and cerebrovascular accident. In: J Am Coll Cardiol. volume 57 (S1), p. E1509.
126. Golden WM, **Trikalinos TA**, Wong JB (2007) Integrating direct and indirect comparisons of drug efficacy data with meta-analysis. In: Med Decis Making.
127. Schmid CH, **Trikalinos TA**, Olkin I (2007) Random-effects meta-analyses for outcomes with three or more mutually exclusive categorical responses. In: Society for Research Synthesis Methodology Annual Meeting, Chicago, IL.
128. Dahabreh IJ, Kitsios GD, **Trikalinos TA**, Kent DM (2010) Ischemic stroke and coronary artery disease share a common genetic background: An empirical investigation of validated associations. In: Stroke. volume 124, p. E336.
129. Wessler BS, Kramer DG, **Trikalinos TA**, Kent DM, Konstam MA, Udelson JE (2009) Drug and device effects on peak oxygen consumption as a predictor of therapeutic effects on mortality in heart failure randomized trials. In: Circulation. volume 120, p. S733.
130. Economou M, **Trikalinos TA**, Loizou K, Tsianos E, Ioannidis JP (2004) Consistency of the association between NOD2/CARD15 polymorphisms and Crohn's disease susceptibility and phenotype across diverse populations: A meta-analysis. Gastroenterology 126: A358.
131. Wong JB, Wu C, **Trikalinos TA** (2009) Anginal outcomes in initial percutaneous coronary interventions versus medical therapy: A meta-analysis of randomized controlled trials. J Am Coll Cardiol 53: A377.
132. Wallace BC, Schmid CH, Lau J, Brodley C, **Trikalinos TA** (07/2009) Semi-automated screening of biomedical citations for systematic reviews. 4th Annual Meeting of the Society for Research Synthesis Methodology, Seattle, WA : Oral Presentation.
133. Shah AK, Retana AK, **Trikalinos TA**, Wong JB (2008) Stroke in coronary artery bypass grafting (CABG) versus percutaneous coronary intervention (PCI): A meta-analysis of randomized trials. J Am Coll Cardiol 51: A250.
134. Kent DM, **Trikalinos TA** (2007) Are 'treatment' bare metal stents superior to 'control' bare metal stents? A meta-analytic approach. Cardiovasc Drugs Therapy 21: S16.
135. Stefanis NC, **Trikalinos TA**, Avramopoulos D, Smyrnis N, Evdokimidis I, Ntzani EE, Ioannidis JP, Stefanis CN (2007) Impact of schizophrenia candidate genes on schizotypy and cognitive endophenotypes at the population level. Eur Psychiatry 22: S19-S20.
136. Ioannidis JP, **Trikalinos TA**, Danias PG (2002) Does ECG-gated SPECT provide accurate measurement of left ventricular ejection fraction and volumes? A meta-analysis. J Am Coll Cardiol 39: 394A.
137. Rodday AM, Leslie L, Cohen J, Triedman J, Alexander M, Ip S, Newburger J, Parsons S, **Trikalinos TA**, Wong J (2012) Population screening trade offs: A systematic review and meta-analysis of screening



asymptomatic children for cardiac disorders that cause sudden cardiac death. Med Decis Making 32: E98.

138. **Trikalinos TA**, Ioannidis JP (10/2001) Semi-automated screening of biomedical citations for systematic reviews. 8th Cochrane Colloquium, Cape Town, South Africa : Poster Presentation C09.
139. Ioannidis JP, **Trikalinos TA** (10/2004) Early extreme contradictory estimates in published research. 12th Cochrane Colloquium, Ottawa, Ontario, Canada : Oral Presentation 60.
140. **Trikalinos TA**, Ioannidis JP (10/2004) Genetic risk factors for complex diseases: race is not important. 12th Cochrane Colloquium, Ottawa, Ontario, Canada : Oral Presentation 71.
141. Gilbody S, **Trikalinos TA**, R C, Wabbeck K, Ioannidis JP (10/2004) Comparison of large versus smaller randomized trials for mental health-related interventions. 12th Cochrane Colloquium, Ottawa, Ontario, Canada : Poster Presentation 150.
142. Ioannidis JP, **Trikalinos TA** (10/2006) Appropriateness of asymmetry tests for publication bias in meta-analysis: A large scale survey. 14th Cochrane Colloquium, Dublin, Ireland : Oral Presentation 22.
143. Ioannidis JP, **Trikalinos TA** (10/2006) Significance chasing bias: Conceptual framework and an exploratory test. 14th Cochrane Colloquium, Dublin, Ireland : Poster Presentation 149.
144. Ioannidis JP, **Trikalinos TA**, Zintzaras E (10/2006) Extreme between-study homogeneity in meta-analysis. 14th Cochrane Colloquium, Dublin, Ireland : Poster Presentation 150.
145. van Meurs JB, **Trikalinos TA**, Ralston SH, Balcells S, Brandi ML, Brixen K, Kiel DP, Langdahl BL, Lips P, Ljunggren O, Lorenc R, Obermayer-Pietsch B, Ohlsson C, Pettersson U, Reid DM, Rousseau F, Scollen S, van Hul W, Agueda L, Akesson K, Benevolenskaya LI, Ferrari SL, Hallmans G, Hofman A, Husted LB, Kruk M, Kaptoge S, Karasik D, Karlsson MK, Lorentzon M, Masi L, McGuigan FE, Mellström D, Mosekilde L, Nogues X, Pols HA, Reeve J, Renner W, Rivadeneira F, van Schoor NM, Weber K, Ioannidis JP, Uitterlinden AG, GENOMOS Study (09/2007) Large-scale analysis of association between polymorphisms in the LRP-5 and -6 genes and bone mineral density and fracture. In: J Bone Mineral Res. volume 22, p. S56.

## Research Grants & Contracts

*Organized first by Ongoing vs. Completed. All listed awards are competitive. I do not list peer-reviewed institutional (internal) seed funds. I do not list Grants and Contracts that were completed between 2006 and 2012 (when I was at Tufts Medical Center), and before 2006 (when I was in Greece).*

Last updated on Friday 21<sup>st</sup> February, 2025.

### Ongoing

Type	Grant
Grant	HS027247-01: Semi-automated identification of biomedical literature.
Funder	Agency for Healthcare Research and Quality (AHRQ)
Amount	\$100,000
Period	9/30/2019–9/29/2020
Role	Principal Investigator
Type	Grant
Title	K12 HS022998: Develop Patient Centered Outcomes Scholars for Comparative Effectiveness Research
Funder	Agency for Healthcare Research and Quality (AHRQ)
Amount	\$3.8 million
Period	8/1/2014–8/31/2020

Role Principal Investigator

Type Grant

Grant R25HS023299-01: Innovative Training to Improve CER PCOR Systematic Review Production and Uptake

Funder Agency for Healthcare Research and Quality (AHRQ)

Amount \$2.5 million

Period 8/1/2014–8/31/2020

Role Co-Investigator (Principal Investigator CH Schmid)

Type Grant

Grant Title R01LM012086-01A I Semi-Automating Data Extraction for Systematic Reviews

Funder National Library of Medicine (NLM)

Amount Subcontract \$119,150 (Total \$880,629)

Period 1/1/2016– 12/31/2019

Role Subcontract Principal Investigator (Principal Investigator BC Wallace, Northeastern University)

Type Grant

Grant R03HS25840-01A1: Quantifying the Extent of Replicability in Systematic Reviews and Meta-analyses: Implications for Grading of the Strength of Evidence.

Funder Agency for Healthcare Research and Quality (AHRQ)

Amount \$61,474

Period 3/1/2019–2/28/2020

Role Co-Investigator (Principal Investigator O Panagiotou)

*The Evidence-based Practice Center (EPC) V Contract is an Indefinite Duration–Indefinite Quantity (IDIQ) Master Contract. It includes several competitive research contracts. I list all contracts under the IDIQ master contact in a section demarcated by ‘↓ EPC V section’ and ‘↑ EPC V section’. Listing is analogous for sections pertaining to EPC IV and EPC III.*

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↓ EPC V section

Type **Indefinite Duration–Indefinite Quantity (IDIQ) Contract**

Title HHSA290201500002: **Evidence-Based Practice Centers (EPC) V**

Funder Agency for Healthcare Research and Quality (AHRQ)

Amount Total \$7 million

Period 9/1/2015–8/31/2019

Role Principal Investigator

Type Task Order 11 ⊂ **EPC V** (PI TA Trikalinos)

Title Topic Refinement & Systematic Review: Interventions for Substance Use Disorders in Adolescents

Funder Agency for Healthcare Research and Quality (AHRQ)

Amount \$625,000

Period 4/30/2018–8/06/2019 (extension through 01/09/2019)

Role Co-Investigator (Principal Investigator DW Steele)

Type Task Order 12 ⊂ **EPC V** (PI TA Trikalinos)

Title SRDR 2.0 for Digitally Enabling Systematic Review Data

Funder Agency for Healthcare Research and Quality (AHRQ)

Amount \$1.7 million  
 Period 4/30/2018–12/11/2020  
 Role Co-Investigator (Principal Investigator I Saldanha)

Type Task Order 13  $\subset$  **EPC V** (PI TA Trikalinos)  
 Title Management of Acute Diverticulitis  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount \$480,000  
 Period 3/29/2019–6/19/2020  
 Role Co-Investigator (Principal Investigator EM Balk)

Type Task Order 14  $\subset$  **EPC V** (PI TA Trikalinos)  
 Title Management of Primary Headaches in Pregnancy  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount \$380,000  
 Period 4/26/2019–8/6/2020  
 Role Co-Investigator (Principal Investigator I Saldanha)

Type Task Order 17  $\subset$  **EPC V** (PI TA Trikalinos)  
 Title Management of Obstructive Sleep Apnea in the Medicare Population  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount \$500,000  
 Period 9/10/2019–5/3/2021  
 Role Principal Investigator

Type Task Order 1  $\subset$  **EPC V** (PI TA Trikalinos)  
 Title Methods and Dissemination: Collaboration to improve validity, consistency, and utility of systematic reviews  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount \$220,000  
 Period 9/1/2015–8/31/2019  
 Role Principal Investigator

↑ EPC V section

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## Completed

Type Contract  
 Title 5U38PS004644: Prevention Policy Modeling Lab Consortium  
 Funder Centers for Disease Control and Prevention (CDC)  
 Amount Subcontract \$215,752 (Total \$5,875,000)  
 Period 9/30/2015– 9/29/2019  
 Role Subcontract Principal Investigator (Principal Investigator J Salomon, Harvard University)

Type Grant

Title U54GM115677: Computational Health Services Research to Identify Use of Low-Value Care in Rhode Island  
 Funder Advance-Clinical & Translational Research (CTR)/National Institute of General Medical Sciences (NIMGS)  
 Amount \$81,250  
 Period 5/1/2018–4/30/2019  
 Role Co-Principal Investigator, with O Panagiotou  
  
 Type Grant  
 Title 1P20GM125507: COBRE Center on Opioids and Overdose  
 Funder National Institutes of Health (NIH)  
 Amount \$19,713 (Total: \$2,555,339)  
 Period 9/1/2018–1/30/2019  
 Role Co-Investigator (PI: J Rich)

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↓ EPC V section

Type Task Order 10  $\subset$  **EPC V** (PI TA Trikalinos)  
 Title Nonsurgical Treatments for Urinary Incontinence in Adult Women  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount \$255,000  
 Period 4/1/2017–6/30/2018  
 Role Co-Investigator (Principal Investigator EM Balk)

Type Task Order 9  $\subset$  **EPC V** (PI TA Trikalinos)  
 Title Technology Assessment: Bariatric Surgery Interventions  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount \$200,000  
 Period 4/1/2017–6/30/2018  
 Role Principal Investigator

Type Task Order 8  $\subset$  **EPC V** (PI TA Trikalinos)  
 Title Topic Refinement & Systematic Review: Error reduction for Lower Limb Prostheses  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount \$480,000  
 Period 6/20/2016 - 6/19/2018  
 Role Principal Investigator

Type Task Order 7  $\subset$  **EPC V** (PI TA Trikalinos)  
 Title Topic Refinement & Systematic Review: Treatments for Non-Melanoma Skin Cancer  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount \$355,000  
 Period 1/26/2016 - 8/1/2017  
 Role Principal Investigator

Type Task Order 6  $\subset$  **EPC V** (PI TA Trikalinos)  
 Title Strategies for Improving the Lives of Women Age 40 and Above Living with HIV/AIDS  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount \$200,000  
 Period 10/16/2015- 5/26/2016  
 Role Principal Investigator

Type Task Order 5  $\subset$  **EPC V** (PI TA Trikalinos)  
 Title Methods Project: Transparency of Reporting ( $\Omega$ -3 Fatty Acids Systematic Review)  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Period 8/19/2015- 12/23/2015  
 Amount \$25,000  
 Role Co-Investigator (Principal Investigator SL Springs)

Type Task Order 4  $\subset$  **EPC V** (PI TA Trikalinos)  
 Title Methods Project: Transparency of Reporting (Tympanostomy Tubes Systematic Review)  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount \$25,000  
 Period 8/19/2015- 5/29/2016  
 Role Co-Investigator (Principal Investigator GP Adam)

Type Task Order 3  $\subset$  **EPC V** (PI TA Trikalinos)  
 Title Treatment Strategies for Patients with Lower Extremity Peripheral Venous Disease  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount \$500,000  
 Period 9/14/2015- 9/4/2016  
 Role Co-Investigator (Principal Investigator EM Balk)

Type Task Order 2  $\subset$  **EPC V** (PI TA Trikalinos)  
 Title Topic Refinement & Systematic Review: Comparative Effectiveness and Safety of Tympanostomy Tubes in Otitis  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount \$380,000  
 Period 2/25/2015- 7/5/2016  
 Role Principal Investigator

↑ EPC V section

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Type Contract  
 Title Evidence review for a full update of the 2008 Clinical Practice Guideline for the Prevention, Diagnosis, Evaluation and Treatment of Hepatitis C in Chronic Kidney Disease  
 Funder Kidney Disease – Improving Global Outcomes (KDIGO)  
 Amount \$299,816  
 Period 9/1/2015- 7/10/2018  
 Role Co-Investigator (Principal Investigator EM Balk)

Type Grant (site subcontract)  
 Grant Title DBI-1262442 I Collaborative Research: ABI Development: Making Advanced Statistical Tools Accessible for Quantitative Research Synthesis and Discovery in Ecology and Evolutionary Biology  
 Funder National Science Foundation (NSF)  
 Amount \$143,124  
 Period 9/1/2014- 4/30/2016  
 Role Subcontract Principal Investigator (Principal Investigator BC Wallace)

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↓ EPC IV section

Type **Indefinite Duration–Indefinite Quantity (IDIQ) Contract**  
 Title HHSA290201200012: **Evidence-Based Practice Centers (EPC) IV**  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount \$4.5 million  
 Period 08/02/2012–07/31/2017  
 Role Principal Investigator

Type Task Order 7 ⊂ **EPC IV** (PI TA Trikalinos)  
 Title Effects of Omega-3 Fatty Acids on Cardiovascular Disease  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount \$500,000  
 Period 9/1/2014- 8/31/2015  
 Role Co-Investigator (Principal Investigator EM Balk)

Type Task Order 6 ⊂ **EPC IV** (PI TA Trikalinos)  
 Title Updates and Systematic Reviews for the Effective Healthcare Program - Renal Artery Stenosis  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount \$250,000  
 Period 5/29/2014- 3/29/2015  
 Role Co-Investigator (Principal Investigator EM Balk)

Type Task Order 5 ⊂ **EPC IV** (PI TA Trikalinos)  
 Contract Title Decision Support Tools for Treatment of Pre-malignancies or Early Stage Cancers in Adults  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount \$225,000  
 Period 6/24/2013- 5/23/2014  
 Role Principal Investigator

Type Task Order 4 ⊂ **EPC IV** (PI TA Trikalinos)  
 Title HHSA 290 2012 00012 I Diagnosis of Acute Appendicitis  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount \$500,000  
 Period 6/24/2013- 8/23/2014  
 Role Co-Investigator (Principal Investigator IJ Dahabreh)

Type Task Order 3  $\subset$  **EPC IV** (PI TA Trikalinos)  
 Title Systematic Review Data Repository: Testing and Maintenance  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount \$1.8 million  
 Period 2/1/2013- 1/31/2018  
 Role Co-Investigator (Principal Investigator EM Balk)

Type Task Order 2  $\subset$  **EPC IV** (PI TA Trikalinos)  
 Contract Evidence Synthesis and Translation under MMA Section 1013: Area of Concentration 6  
 Title  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount \$975,000  
 Period 9/25/2012- 3/25/2014  
 Role Principal Investigator

Type Task Order 1  $\subset$  **EPC IV** (PI TA Trikalinos)  
 Title Methods and Dissemination: Collaboration to improve validity, consistency, and utility of systematic reviews  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount \$294,000  
 Period 9/1/2012- 8/31/2017  
 Role Principal Investigator

↑ EPC IV section

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Type Contract  
 Title HHSN261201200390P: Knowledge Integration – Benefit-risk prediction for cancer treatment management  
 Funder National Cancer Institute (NCI)  
 Amount \$150,000  
 Period 9/17/2012- 9/16/2013  
 Role Principal Investigator

Type Contract  
 Title Integrating causal inference, evidence synthesis and research prioritization methods  
 Funder Patient Centered Outcomes Research Institute (PCORI)  
 Amount Subcontract \$280,000 (Total \$1.1 million)  
 Period 2012–2015  
 Role Subcontract Principal Investigator (Principal Investigator JB Wong, Tufts Medical Center)

Type Contract  
 Title HHSN261201300395P: Treatment Management of Rare Cancers: Understanding and Evaluating Prediction Tools  
 Funder National Cancer Institute (NCI)  
 Amount \$45,000  
 Period 9/20/2013- 9/19/2014  
 Role Co-Investigator (Principal Investigator IJ Dahabreh)

Type Grant  
 Title Sociolinguistically Informed Natural Language Processing: Automating Irony Detection  
 Funder Army Research Office (ARO)  
 Amount \$75,678  
 Period 9/1/2013- 8/31/2015  
 Role Co-Investigator (Principal Investigator BC Wallace)

Type Grant (Site subcontract)  
 Grant MOP-1233345: Seeing the forests and the trees - Innovative approaches to exploring heterogeneity in systematic reviews of complex knowledge translation interventions to enhance policy decision making  
 Funder Canadian Institutes of Health Research (CIHR)  
 Amount \$92,030  
 Period 10/1/2012- 3/31/2015  
 Role Subcontract Principal Investigator (Principal Investigator J Grimshaw, Ottawa Hospital Research Institute)

Type Grant  
 Title R01 HS018494: Semi-automating citation screening for systematic reviews  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount \$1.2 million  
 Period 12/01/2009–11/30/2013  
 Role Principal Investigator

Type Grant  
 Grant R01 HS018574: Modernizing Meta-Analysis to Facilitate Comparative Effectiveness Reviews  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount \$1.2 million  
 Period 12/01/2009–11/30/2013  
 Role Co-Investigator (Principal Investigator Christopher H. Schmid)

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↓ EPC III section

Type **Indefinite Duration–Indefinite Quantity (IDIQ) Contract**  
 Title HHSA290200710055 I: **Evidence-Based Practice Centers (EPC) III**  
 Funder Agency for Healthcare Research and Quality (AHRQ)  
 Amount Total ~ \$15.3 million  
 Period 09/01/2007–08/31/2012  
 Role Investigator & CoDirector (Principal Investigator & Director J Lau, Tufts Medical Center)

*I do not list Task Orders under EPC III (Tufts Medical Center) where I was a co-investigator.*

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↑ EPC III section

 Teaching



## Regular Courses

- PHP2415 **Introduction to Evidence-based Medicine**, with J Lau: Spring 2013, Spring 2014; Spring 2015, Fall 2015; with AG Ellis: Spring 2016; Spring 2017, 2018, & 2020
- PHP2435 **Intermediate Evidence-based Medicine & Meta-analysis**, Fall 2013
- PHP2455A **Methods for Health Services and Comparative Effectiveness Research - A**, Fall 2014
- PHP2455B **Methods for Health Services and Comparative Effectiveness Research - B**, Spring 2015
- PHP2465A **Introduction to Health Decision Science**, with R Iskandar: Fall 2017; with R Iskandar & SP Forbes: Fall 2018; Fall 2019

## Seminar or Independent Study Courses

- PHP2980 **Graduate Independent Study and Thesis Research (SA5)**, Spring 2014; Spring 2015; Spring 2016 ( $n = 3$ ); Spring 2017 ( $n=2$ )
- PHP2950 **PhD Student Journal Club & Faculty Forum**, Fall 2013, student-run course, with minimal faculty oversight

## Guest Lectures in other Courses

- CSCI1951A **Introduction to Data Science**, 05/01/2014, 05/03/2016, 'Data science applications in technology assessment and research synthesis', Course Instructor: Tim Kraska. Department of Computer Science, Brown University
- PHP2180 **Interpretation and Application of Epidemiology**, 03/06/2013, 'Meta-analysis in Epidemiology', Course Instructor: David Savitz. Department of Epidemiology, Brown University
- PHP2690A **Advanced Topics in Biostatistics**, Spring 2013, 'Connections to Research Synthesis, Decision Analysis, Value of Information Analysis', Course Instructor: Christopher Schmid. Department of Biostatistics, Brown University

## Short Courses & Electronic Teaching Modules

*No overlap with items in the Invited Talks section*

- 2017 **Introduction to Network Meta-analysis**, Half day course together with Christopher H. Schmid and Valerie Langberg (of Brown University) at the Joint Statistical Meetings (Aug 2017)
- 2016 **Introduction to Network Meta-analysis**, Half day course together with Christopher H. Schmid and Valerie Langberg (of Brown University) at the Joint Statistical Meetings (Aug 2016)
- 2015 **Introduction to Evidence-based Medicine**, Two-day course together with Christopher H. Schmid (of Brown University) at the CDC (17-18 Aug 2015)
- 2014 **Introduction to Evidence-based Medicine**, Two-day course together with Joseph Lau and Christopher H. Schmid (both of Brown University) at the Brown University Warren Alpert Medical School
- 2013 **Advanced meta-analysis**, Full-day course together with Issa J. Dahabreh (Brown University) at the Society for Medical Decision Making annual meeting
- 2008–2011 **Introduction to meta-analysis**, Full-day course together with Ingram Olkin (Stanford University) at the Society for Medical Decision Making annual meetings
- 2007–2010 **Introduction to meta-analysis**, Summer course of the Clinical and Translational Science Program, Sackler School, Tufts University
- 2009–2011 **Methods for quantitative synthesis and primer in advanced meta-analysis**, Annual Short Course in Comparative Effectiveness Research, Tufts CTSI
- 2011 **Assessing Pharmacogenetic Information in Clinical Trials**, Comparative Effectiveness Research (CER) Survey Course, Tufts CTSI
- 2010 **Online training module: 'Systematic Review: Data extraction'**, with J Lau, M McPheeters, and J Seroogy. Part of a selection of 12 recorded training lectures for training researchers who perform systematic reviews.
- 2010 **Online training module: 'Systematic Review: Presentation of Findings'**, with J Lau, and M McPheeters. Part of a selection of 12 recorded training lectures for training researchers who perform systematic reviews.

- 2010 **Online training module: ‘Systematic Review: Quantitative Synthesis I’**, with J Lau. Part of a selection of 12 recorded training lectures for training researchers who perform systematic reviews.
- 2010 **Online training module: ‘Systematic Review: Quantitative Synthesis II’**, with J Lau. Part of a selection of 12 recorded training lectures for training researchers who perform systematic reviews.
- 2007 **Introduction to non-parametric and parametric meta-analysis and hands-on workshop**, 3rd course in Statistical Genetic Analysis of Complex Phenotypes, Bertinoro di Romagna, Italy

## Mentoring

### Students & Fellows Mentored, Honors, Masters & PhD theses

I have been on the advisory committee of the following fellows and students:

#### Current

*Brown University* Doctoral students

- Mauricio Lopez-Mendez, PhD Student in Health Services Research (co-Advisor, with E Jutkowitz)
- Andrew Huang, PhD Student in Health Services Research (Advisor)
- Taylor Fortnam, PhD Student in Biostatistics (Thesis committee member)

**Past** *I have coauthored papers with Wallace, Small, Yu, Kitsios, Dahabreh, Tobar, Gabbay, Kelly, Ellis*

*Brown University* Doctoral students

- Wei Cheng, PhD in Biostatistics 2016 (Thesis committee member)
- Alexandra G. Ellis, MS, PhD in Health Services Research 2017 (Thesis advisor)
- Shaun P. Forbes, PhD in Health Services Research 2019 (Thesis advisor)

MS students

- Bo Wang, MS in Biostatistics 2017 (Thesis reader, joint supervision with CH Schmid)
- Yuanfei Chen, MS in Biostatistics 2016 (Thesis reader, joint supervision with CH Schmid)
- Lisa Wang, MS in Biostatistics 2014 (Thesis reader, joint supervision with CH Schmid)
- Lauren Catalano, MD, Masters in Clinical and Translational Research Student (Thesis advisor)
- Alissa Trepman, MS, MPH Student (Thesis reader)

Undergraduate students

- Madeline Pesec, BS 2016 (Thesis reader)

*Tufts University* Doctoral students

- Byron C. Wallace, PhD (Committee member)
- Winifred W. Yu, PhD (Committee member)

*Tufts Medical Center* Masters students

- Kevin M. Small, PhD (for his CTS certificate)
- Georgios Kitsios, MD, MS
- Issa J. Dahabreh, MD, MS, (since, DSc)
- Annette Tobar, MD, MS
- Ezra Gabbay, MD, MS
- Christina Baik, MD, MS

- Laura Caprario, MD, MS
- Michael Kelly, MD, MPH, for his MS in CTS (Thesis committee member)

**Other** I have mentored many students, fellows, or junior faculty in evidence-based medicine. I list the ones I  
**Mentees** have co-authored with:

- Alawi AlSheikh-Ali, MD, MS
- Daniel Kramer, MD
- Benjamin Wessler, MD
- Peter J. Castaldi, MD, MS
- Martin Wagner, MD
- Jose Calvo, MD
- Teruhiko Terasawa, MD, PhD
- Makiko Yoshida, PhD
- Denish Moorthy, MBBS
- Kamal Patel, MBA
- Jounghee Lee, PhD
- Haseeb Jafri, MD
- Angie May Rodday, MPH
- Yannis Koulouridis, MD

#### Mentor on career development awards (e.g., K grants)

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| <p><i>K12</i></p> <p>2013–2015</p> <p>2014–2016</p> <p>2016–2018</p> <p>2016–2019</p> <p>2017–</p> <p>2018–</p> | <p>Institutional AHRQ-funded K12 in CER/PCOR at Brown University, Program Director TA Trikalinos</p> <p>Agustin Yip, MD, PhD</p> <p>Lauren Catalano, MD</p> <p>Ijeoma Azodo, MD</p> <p>Andrew Zullo, PharmD, PhD</p> <p>Francesca Beaudoin, MD, PhD</p> <p>Yanick Brice, PhD</p> <p>Nishant Shah, MD, MS</p> <p>Stacey Springs, PhD</p> <p>Nina Joyce, PhD</p> <p>Jonah Popp, PhD</p> |
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| <p>K01</p> <p>K23</p> <p>K23</p> <p>CoHSTAR</p> | <p>2016–: Valery Danilack, PhD, at Women and Infants Hospital. Primary Mentor.</p> <p>2016–: Ravi Bannuru, MD, PhD, at Tufts Medical Center. Mentor.</p> <p>2015–: David Barker, PhD, at Rhode Island Hospital. Mentor.</p> <p>2015-2018: Daniel Pinto PT, PhD, at Northwestern University. Primary Mentor.</p> |
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