# Curriculum Vitae Evan Mayo-Wilson, DPhil, MPA

# **PERSONAL**

Office Department of Epidemiology

UNC Gillings School of Global Public Health

2101C McGavran-Greenberg Hall

Chapel Hill, NC 27599

Email <u>evan.mayo-wilson@unc.edu</u>

ORCID: <u>0000-0001-6126-2459</u>

## **EDUCATION**

2011	DPhil (PhD)	University of Oxford  Department of Social Policy and Intervention	Oxford, UK
2006	MPA	<b>University of Pennsylvania</b> Fels Institute of Government	Philadelphia, PA
2004	MSc	University of Oxford  Department of Social Policy and Intervention	Oxford, UK
2003	ВА	Columbia University Columbia College, Honors Psychology	New York, NY

## **PROFESSIONAL EXPERIENCE**

2022—present	Associate Professor, Department of Epidemiology UNC Gillings School of Global Public Health (Chapel Hill, NC)
2022—present	Faculty Fellow UNC Cecil G. Sheps Center for Health Services Research (Chapel Hill, NC)
2022	Associate Professor with tenure, Department of Epidemiology & Biostatistics Indiana University School of Public Health (Bloomington, IN)
2019—2021	Associate Professor, Department of Epidemiology & Biostatistics Indiana University School of Public Health (Bloomington, IN)
2018—2019	Associate Scientist, Department of Epidemiology Johns Hopkins Bloomberg School of Public Health (Baltimore, MD)
2014—2018	Assistant Scientist, Department of Epidemiology Johns Hopkins Bloomberg School of Public Health (Baltimore, MD)
2011—2014	Senior Research Associate, Department of Clinical, Educational & Health Psychology University College London (London, UK)
2007—2011	Departmental Lecturer, Department of Social Policy and Intervention University of Oxford (Oxford, UK)

### **HONORS AND AWARDS**

2019 Golden Apple Award

Johns Hopkins Bloomberg School of Public Health (Baltimore, MD)

Award for teaching excellence given annually by the Student Assembly to 4 of

approximately 750 faculty.

2006 Clarendon Scholarship

*University of Oxford (Oxford, UK)* 

Competitive scholarship for graduate studies at Oxford University, including tuition and

stipend.

2004 Fels Scholarship

University of Pennsylvania (Philadelphia, PA)

Competitive scholarship for graduate studies at University of Pennsylvania, including

tuition and stipend.

## **CURRENT MEMBERSHIPS**

American Psychological Association (APA)

American Public Health Association (APHA)

American Society for the Advancement of Science (AAAS)

Cochrane

Society for Epidemiologic Research (SER)

Society for Research Synthesis Methodology (SRSM)

### **BIBLIOGRAPHY**

Online Profiles at: Google Scholar, ORCID, PubMed, Web of Science

Web of Science (June 13, 2024): 46,839 times cited (45,849 citing articles), H-index 40

Underline denotes students and mentees

### **Books and chapters**

- Czajkowski S, Davidson K, Freedland K, Mayo-Wilson E (order of authorship is alphabetical) (2024). Chapter 12: Systems of Evidence in Health Psychology. In: Smith T, Anderson NB eds. APA Handbook of Health Psychology Volume 1: Foundations and Context of Health Psychology. American Psychological Association: Washington, DC. ISBN: 978-1-4338-3672-5.
- 3. **Mayo-Wilson E**, Grant SP (2019). Transparent Reporting: Registrations, Protocols and Final Reports. In Cooper, Hedges, and Valentine (Ed.), *The Handbook of Research Synthesis*, third edition (pp. 471-488). Russell Sage Foundation. ISBN: 978-0871540058.
- Montgomery P, Mayo-Wilson E (2015). Randomized controlled trials and evidence-based practice. In Kevin Corcoran & Albert R. Roberts (Ed.), Social Workers' Desk Reference (pp. 1221-1229). Oxford University Press: Oxford. ISBN: 9780199329649
- Montgomery P, Mayo-Wilson E (2008). Randomized controlled trials and evidence-based practice. In Albert R. Roberts (Ed.), Social Workers' Desk Reference (pp. 1142-1148). Oxford University Press: Oxford. ISBN: 9780195369373

### Refereed journal articles

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- 95. <u>Xiangji Y</u>, Bougioukas KI, Pieper D, **Mayo-Wilson E**. Weighted corrected covered area: An outcome-level index to quantify the amount of informational overlap among reviews. Submitted.
- 94. Vorland CJ, Brown AW, Kilicoglu H, Ying X, Mayo-Wilson E. Publication of results of registered trials with published study protocols, 2011-2022. *JAMA Network Open* 7(1):e2350688. PMID: 38190185. DOI: 10.1001/jamanetworkopen.2023.50688 [OSF archive includes data and code]
- 93. Qureshi R, Naaman K, Quan NG, **Mayo-Wilson E**, Page MJ, Cornellius V, Chou R, Boutron I, Golder S, Bero L, Doshi P, Vassar M, Meursinge Reynders R, Li T. Development and evaluation of a framework for identifying and addressing spin for harms in systematic reviews of interventions. *Annals of Internal Medicine*, Accepted.
- 92. Elsman EBM, Mokkink LB, Terwee CB; Beaton D; Gagnier JJ, Tricco AC, Baba A, Butcher NJ, Smith M, Hofstetter C, Lee Aiyegbusi O, Berardi A, Farmer J, Haywood KL, Krause KR, Markham S, **Mayo-Wilson E**, Mehdipour A, Ricketts J, Szatmari P, Touma Z, Moher D, Offringa M. Guideline for reporting systematic reviews of outcome measurement instruments: PRISMA-COSMIN for OMIs 2023. *Quality of Life Research*, Accepted.

This article was published simultaneously in multiple journals:

Elsman EBM, Mokkink LB, Terwee CB, Beaton D, Gagnier JJ, Tricco AC, Baba A, Butcher NJ, Smith M, Hofstetter C, Lee Aiyegbusi O, Berardi A, Farmer J, Haywood KL, Krause KR, Markham S, **Mayo-Wilson E**, Mehdipour A, Ricketts J, Szatmari P, Touma Z, Moher D, Offringa M. Guideline for reporting systematic reviews of outcome measurement instruments (OMIs): PRISMA-COSMIN for OMIs 2024. *Journal of Clinical Epidemiology* Epub ahead of print. DOI: 10.1016/i.iclinepi.2024.111422. PMID: 38849061.

91. Silverstein P, Elman C, Montoya A, McGillivray B, Pennington CR, Harrison CH, Steltenpohl CN, Röer JP, Corker KS, Charron LM, Elsherif M, Malicki M, Hayes-Harb R, Grinschgl S, Neal T, Evans TR, Karhulahti V-M, Krenzer WLD, Belaus A, Moreau D, Burin DI, Chin E, Plomp E, **Mayo-Wilson E**, Lyle J, Adler JM, Bottesini JM, Lawson KA, Schmidt K, Reneau K, Vilhuber L, Waltman L, Gernsbacher MA, Plonski PE, Ghai S, Grant S, Christian TM, Ngiam W, Syed M. A guide for social science journal editors on easing into open science. *Research Integrity and Peer Review* 9(2):2. PMID: 38360805. DOI: 10.1186/s41073-023-00141-5 [Preprint on OSF Preprints]

2023 (10)

- 90. **Mayo-Wilson E**, Qureshi R, Hong H, Chen X, Li T. Harms were detected but not reported in six clinical trials of gabapentin. *Journal of Clinical Epidemiology* 164:76-87. PMID: <u>37871835</u>. DOI: <u>10.1016/j.jclinepi.2023.10.014</u>. [Published protocol; Preprint on MetaArXiv; OSF archive includes data and code]
- 89. Grant S, Mayo-Wilson E (joint first authors), <u>Kianersi S</u>, <u>Naaman K</u>, Henschel B. Open science standards at journals that inform evidence-based policy. <u>Prevention Science</u> 24:1275-1291. PMID: 37178346. DOI: 10.1007/s11121-023-01543-z. [Published protocol; Preprint on MetaArXiv; OSF archive includes data, code, and materials]
- 88. Kilicoglu H, Jiang L, Hoang L, **Mayo-Wilson E**, Vinkers CH, Otte WM. Methodology reporting improved over time in 176,469 randomized controlled trials. *Journal of Clinical Epidemiology* 162:19-28. PMID: 37562729. DOI: 10.1016/j.jclinepi.2023.08.004. [GitHub sites include trial data and data from model predictions used in the analysis]

- 87. <u>Kianersi S</u>, Grant S, <u>Naaman K</u>, Henschel B, Mellor D, <u>Apte S</u>, <u>Deyoe JE</u>, <u>Eze P</u>, <u>Huo C</u>, <u>Lavender BL</u>, <u>Taschanchai N</u>, <u>Zhang X</u>, **Mayo-Wilson E**. Evaluating implementation of the Transparency and Openness Promotion Guidelines: Reliability of instruments to assess journal policies, procedures, and practices. *Advances in Methods and Practices in Psychological Science*, 6(1). DOI: <u>10.1177/25152459221149735</u>. [Published protocol; <u>Preprint on MetaArXiv</u>; <u>OSF archive includes data and code</u>] Open access
- 86. Naaman K, Grant S, Kianersi S, Supplee L, Henschel B., Mayo-Wilson E. Exploring enablers and barriers to implementing the Transparency and Openness Promotion (TOP) Guidelines: A theory-based survey of journal editors. Royal Society Open Science, 10:221093. PMID: 36756061. DOI: 10.1098/rsos.221093. [Preprint on MetaArXiv; OSF archive includes data, code, and materials]

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- 85. Junqueira DR, Zorzela L, Golder S, Loke Y, Gagnier JJ, Julious SA, Li T, **Mayo-Wilson E,** Pham B, Phillips R, Santaguida R, Scherer RW, Gøtzsche P, Moher D, Ioannidis JPA, Vohra S on behalf of the CONSORT Harms Group. CONSORT Harms 2022 statement, explanation, and elaboration: updated guidelines for the reporting of harms in randomized trials. *BMJ*, 381: e073725. PMID: 37094878. DOI: 10.1136/bmj-2022-073725. Open access

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- 75. Qureshi R, Chen X, Gorg C, Mayo-Wilson E, Dickinson S, Golzarri-Arroyo L, Hong H, Phillips R, Cornelius V, DeMarco MM, Guallar E, Li T. Comparing the value of data visualization methods for communicating harms in clinical trials. *Epidemiologic Reviews*, 44(1) 55-66. PMID: 36065832. DOI: 10.1093/epirev/mxac005 [Online supplement includes code and research materials] Open access
- 74. Butcher NJ, Monsour A, Mew EJ, Chan A-W, Moher D, **Mayo-Wilson E**, Terwee CB, Chee-A-Tow A, Baba A, Gavin F, Grimshaw JM, Kelly LE, Saeed L, Thabane L, Askie L, Smith M, Farid-Kapadia M, Williamson PR, Szatmari P, Tugwell P, Golub RM, Monga S, Vohra S, Marlin S, Ungar WJ, & Offringa M.. Guidelines for reporting outcomes in trial reports: The CONSORT-Outcomes 2022 extension. *JAMA* 328(22) 2252-2264. PMID: 36511921. DOI: 10.1001/jama.2022.21022 [OSF archive includes research materials] Open access
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- 72. Grant S, Wendt KE, Leadbeater B, Supplee L, **Mayo-Wilson E**, Gardner F, Crowley M, Bradshaw C. Transparent, open, and reproducible prevention science. *Prevention Science* 23:701-722. PMID: 35175501. DOI: 10.1007/s11121-022-01336-w [Preprint on MetaArXiv] Open access

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71. Hansford HJ, Cashin AG, Bagg MK, Wewege MA, Ferraro, MC, <u>Kianersi S</u>, **Mayo-Wilson E**, Grant S, Toomey E, Skinner IW, McAuley JH, Lee H, Jones MD. Feasibility of an audit and feedback intervention to facilitate journal policy change towards greater promotion of transparency and openness in sports science research. *Sports Medicine* 8(1):101. PMID: <u>35932429</u>. DOI: <u>10.1186/s40798-022-00496-x</u>. [OSF archive includes data and code] Open access

### 2021 (8)

- 70. Mayo-Wilson E, Phillips M, Connor AE, Vander Ley KJ, Naaman K, Helfand MC. Peer review reduces spin in PCORI research reports. Research Integrity and Peer Review 6:16. PMID: 34847946. DOI: 10.1186/s41073-021-00119-1. [Preprint on MetaArXiv; OSF archive includes data and research materials] Open access
- 69. **Mayo-Wilson E**, Grant S, Supplee L, <u>Kianersi S</u>, <u>Amin A</u>, DeHaven AC, Mellor DT. Evaluating implementation of the Transparency and Openness Promotion Guidelines: The TRUST Process for rating journal policies, procedures, and practices. *Research Integrity and Peer Review* 6(1):9. PMID: 34078479. DOI: 10.1186/s41073-021-00112-8. [Preprint on *MetaArXiv*. OSF archive includes research materials] Open access
- 68. **Mayo-Wilson E**, Chen X, <u>Qureshi R</u>, Dickinson SL, Golzarri-Arroyo L, Hong H, Görg C, Li T. Restoring invisible and abandoned trials of gabapentin for neuropathic pain: A clinical and methodological investigation (protocol). *BMJ Open* 0:e047785. PMID: <u>34193496</u>. DOI: <u>10.1136/bmjopen-2020-047785</u> Open access
- 67. Keyes A, **Mayo-Wilson E**, Nuamah P, Lalji A, Tetteh O, Ford DE. Creating a program to support the registration and reporting of clinical trials at Johns Hopkins University. *Academic Medicine* 96(4):529-533. PMID: 33060401. DOI: 10.1097/ACM.000000000003806
- 66. Susukida R, Amin-Esmaeili M, Mayo-Wilson E, Mojtabai R. Data management in substance use disorder treatment research: Implications from data harmonization of National Institute on Drug Abuse-funded randomized controlled trials. *Clinical Trials* 18(2):215-225. PMID: 33258697. DOI: 10.1177/1740774520972687
- 65. Kanukula R, Page MJ, Dwan K, Turner SL, Loder E, **Mayo-Wilson E**, Li T, Misra A, McDonald S, Forbes AB, McKenzie JE. Development of a checklist to detect errors in meta-analyses in systematic reviews of interventions: study protocol. *F1000 Research* 10:455. PMID: 34249342. DOI: 10.12688/f1000research.53034.1 Open access
- 64. Page MJ, McKenzie JE, Bossuyt PM, Boutron I, Hoffmann TC, Mulrow CD, Shamseer L, Tetzlaff JM, Akl EA, Brennan SE, Chou R, Glanville J, Grimshaw JM, Hróbjartsson A, Lalu MM, Li T, Loder EW, Mayo-Wilson E, McDonald S, McGuinness LA, Stewart LA, Thomas J, Tricco AC, Welch VA, Whiting P, Moher D. The PRISMA 2020 statement: an updated guideline for reporting systematic reviews. *BMJ* 372:n71. PMID: 33782057. DOI: 10.1136/bmj.n71 [Preprint on MetaArXiv] Open access

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- 60. **Mayo-Wilson E**, <u>Fusco N</u>, Li T, Hong H, Canner JK, Dickersin K. Harms are assessed inconsistently and reported inadequately Part 2: Non-systematic adverse events. *Journal of Clinical Epidemiology* 113: 11-19. PMID: <u>31055176</u>. DOI: <u>10.1016/j.jclinepi.2019.04.020</u> [<u>Published protocol</u>; <u>Dryad archive includes data and code</u>] <sup>Open access</sup>
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This article was also published in:

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This article was published simultaneously in multiple journals:

**Mayo-Wilson E**, <u>Grant SP</u>, Hopewell S, McDonald G, Moher D, Montgomery P (2013). Developing a reporting guideline for social and psychological intervention trials. *Trials* 14:242. PMID: <u>23915044</u>. DOI: 10.1186/1745-6215-14-242 Open access

<u>Grant SP</u>, **Mayo-Wilson E**, Hopewell S, McDonald G, Moher D, Montgomery P, (2013). Developing a reporting guideline for social and psychological intervention trials. *Journal of Experimental Criminology* 9:355-367. DOI: 10.1007/s11292-013-9180-5

Montgomery P, **Mayo-Wilson E**, Hopewell S, McDonald G, Moher D, <u>Grant SP</u> (2013). Developing a reporting guideline for social and psychological intervention trials. *American Journal of Public Health* 103(10):1741-1746. PMID: 23947317. DOI: 10.2105/AJPH.2013.301447

<u>Grant SP</u>, Montgomery P, Hopewell S, McDonald G, Moher D, **Mayo-Wilson E** (2013). Developing a reporting guideline for social and psychological intervention trials. *Research on Social Work Practice* 23:595-602. PMID: 25076832. DOI: 10.1177/1049731513498118

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- Mayo-Wilson E (2006). Health care interventions delivered over the internet: How systematic was the review? *Journal of Medical Internet Research* 8(2):e11. PMID: <u>16867966</u>. DOI: 10.2196/jmir.8.2.e11

### **Blog posts**

 Mayo-Wilson E (2020). Featured Guest Post: What makes a reliable systematic review and metaanalysis?. Department of Veterans' Affairs Evidence Synthesis Program. URL: <a href="https://mfr.osf.io/render?url=https://osf.io/jt4xc/?direct%26mode=render%26action=download%26mode=render">https://mfr.osf.io/render?url=https://osf.io/jt4xc/?direct%26mode=render%26action=download%26mode=render</a>  Montgomery P, Mayo-Wilson E, Grant S. CONSORT-SPI 2018: Announcing an extension for randomised controlled trials of social and psychological interventions. *On Medicine* (BMC blog). URL: <a href="http://blogs.biomedcentral.com/on-medicine/2018/07/31/consort-spi-2018-announcing-an-extension-for-randomized-controlled-trials-of-social-and-psychological-interventions/">http://blogs.biomedcentral.com/on-medicine/2018/07/31/consort-spi-2018-announcing-an-extension-for-randomized-controlled-trials-of-social-and-psychological-interventions/</a>

## **Newspaper and magazine articles**

- 2. **Mayo-Wilson E**, Grant SP, Montgomery P. "Do preventive home visits work?" *The Guardian*. April 7, 2014. <a href="https://www.theguardian.com/social-care-network/2014/apr/07/do-preventive-home-visits-work">https://www.theguardian.com/social-care-network/2014/apr/07/do-preventive-home-visits-work</a>
- 1. Pilling S, Taylor C, **Mayo-Wilson E**, Clark DM, (2013). Flexible access to services is needed for social anxiety disorder. *Guidelines in Practice* 16(8):29-36.

### **COURSES TAUGHT**

UNC Gillings School of Global Public Health (Chapel Hill, NC) 2024—present Systematic Review (EPID 702/PHLP 702)

Terms taught: Spring 2024

Role: Lead instructor with Cindy Feltner (50%/50%). Enrollment: 20. Credits: 2. In this course for masters and PhD students, students learn to read, discuss, and critique systematic reviews and meta-analyses on various topics. Each student develops a focused research question and writes a protocol for a systematic review. Co-taught with Public Health Leadership and Practice.

Indiana University School of Public Health-Bloomington (Bloomington, IN)

2020—2022 Intermediate Epidemiology (SPH-E 658)

Role: Sole instructor (100%). Enrollment: 15. Credits: 3.

2 terms taught: Spring 2020 and 2021

This course for masters and PhD students built upon introductory epidemiology, delving into further detail about: design, validity, measuring outcomes, and assessing associations. It introduced causal inference, methods for assessing and dealing with heterogeneity, and best practices for conducting and reporting research. A module was selected to be shared publicly, advertising the school's degree programs.

2020 Meta-Analysis and Systematic Reviews (SPH-E 670)

Role: Sole instructor (100%). Enrollment: 15. Credits: 3.

1 term taught: Fall 2020

This course for masters and PhD students taught students to synthesize research by conducting and presenting the results of a systematic review. Students learned to conduct each step in a review: defining eligibility criteria, searching for studies, extracting data, conducting a meta-analysis, interpreting results, and writing a report.

Johns Hopkins Bloomberg School of Public Health (Baltimore, MD)

## 2019 Methods for Conducting Systematic Reviews and Meta-Analyses (340.606.01)

Role: Co-lead instructor (50%). Enrollment: 50. Credits: 4.

1 term taught: 3<sup>rd</sup> term 2019

This course taught masters and PhD students to conduct systematic reviews and meta-analyses, including: defining eligibility criteria, searching for studies, extracting data, conducting meta-analyses and exploring heterogeneity of effects, interpreting results, and writing research reports. It offered a preliminary introduction to network meta-analysis. The course was capped at 50 students, and demand exceeded capacity.

### 2017—2019 Clinical trials: Procedures, Design, and Interpretation of Results (340.861.81)

Role: Co-lead instructor (50%). Enrollment: 45. Credits: 3.

3 terms taught: 3<sup>rd</sup> term 2017, 2018, and 2019

This online course for PhD students and postdoctoral fellows offered a detailed study of clinical trials, including data management, data and safety monitoring boards, and clinical trial regulation. Students learned to develop a protocol and related documents. Introduction to Clinical Trials (340.645) was a prerequisite.

### 2015—2018 Introduction to Clinical Trials (340.645.81, online)

Role: Co-lead instructor (50%). Enrollment: 120. Credits: 3. 4 terms taught: 1<sup>st</sup> term 2015, 2016, 2017, and 2018

This online course introduced masters and PhD students to the methods for conducting and analyzing clinical trials. Students learned about the features of various designs and methods to minimize risk of bias, calculated sample size, and practiced assigning participants to groups.

# 2015—2017 Introduction to Clinical Trials (340.645.01, in-person)

Role: Co-lead instructor (50%). Enrollment: 50. Credits: 3.

3 terms taught: 2<sup>nd</sup> term 2015, 2016, and 2017

This in-person course covered topics like those covered online (above).

## University of Oxford (Oxford, UK)

## 2007—2011 Systematic Reviews II

Role: Sole instructor (100%). Enrollment: 20. Credit equivalent: 3.

4 terms taught: 3<sup>rd</sup> term 2008, 2009, 2010, and 2011

In the second term of this seminar, students completed a systematic review. Students conducted electronic literature searches, screened results, extracted data, and synthesized the results (e.g., using meta-analysis).

## 2007—2011 Systematic Reviews I

Role: Sole instructor (100%). Enrollment: 20. Credit equivalent: 3.

4 terms taught: 2<sup>nd</sup> term 2008, 2009, 2010, 2011

In the first term of this seminar, MSc and DPhil (PhD) students developed protocols for reviews of social or psychological interventions. Students refined their research questions, developed inclusion criteria, and developed electronic search strategies.

2007—2011 Research Methods in Evidence-Based Social Intervention II

Role: Co-instructor (50%). Enrollment: 35. Credit equivalent: 3.

4 terms taught: 2<sup>nd</sup> term 2008, 2009, 2010, and 2011

In the second term of this two-term course, students learned about causal inferences, and learned to use critical appraisal tools to identify study strengths and risks of bias.

2007—2010 Research Methods in Evidence-Based Social Intervention I

Role: Co-instructor (50%). Enrollment: 35. Credit equivalent: 3.

4 terms taught: 1st term 2007, 2008, 2009, and 2010

This required course for MSc and DPhil (PhD) students in Evidence-Based Social Intervention provided a foundation in the design and interpretation of case-control

studies, cohort studies, randomized clinical trials, and systematic reviews.

#### **SUPERVISED RESEARCH**

Indiana University School of Public Health-Bloomington (Bloomington, IN)

2020 Independent Research in Epidemiology (SPH-E 792)

2 terms taught: Fall 2020, Summer 2020

#### **UNDERGRADUATE TUTORIALS**

British system with directed readings and small group meetings similar to "independent study."

*University of Oxford (Oxford, UK)* 

2006—2007	Adolescent Psychology
2005-2006	Adolescent Psychology
2005-2006	<b>Quantitative Methods</b>
2005-2006	<b>Health Psychology</b>

## **SHORT COURSES AND GUEST LECTURES**

2024	Environmental Epidemiolog	v (EPID 785)
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UNC Gillings School of Global Public Health (Chapel Hill, NC)

Present a guest lecture about evidence synthesis in environmental epidemiology.

2024 Infectious Disease Seminar (EPID 894)

UNC Gillings School of Global Public Health (Chapel Hill, NC)

With students, present and discuss a systematic review related to infectious disease.

2024 Intervention Epidemiology (EPID 790)

UNC Gillings School of Global Public Health (Chapel Hill, NC)
Present a guest lecture about translating evidence into practice.

2024 Introduction to Social Epidemiology (EPID 826)

UNC Gillings School of Global Public Health (Chapel Hill, NC) Present a guest lecture about equity in systematic reviews.

2023—present Design of Clinical Research Studies (EPID 804)

UNC Gillings School of Global Public Health (Chapel Hill, NC)

Present a guest lecture about the purpose, conduct, and use of systematic reviews.

2014—present Summer Institute on Randomized Behavioral Clinical Trials

National Heart Lung and Blood Institute (NHLBI)

(Madison, WI in 2024; Bethesda, MD in 2019, 2021—2023; Airlie, VA in 2014—2018) Advise attendees (~40 early career researchers) one-on-one and group meetings. Present one or more lectures on topics that have included Reporting Trials, Subgroup

Analysis, and Systematic Reviews and Meta-Analysis.

2018 (recorded) Effective Online Searching: Systematic Reviews (600.611.86)

Online Programs for Applied Learning, Johns Hopkins Bloomberg School of Public

Health (Baltimore, MD)

Present a guest lecture about the purpose of systematic reviews and the development

of research questions and effective search strategies.

2015 (recorded) Public Health Nutrition (online course offered continuously)

Center for Global Child Health, Sick Kids (Toronto, CAN)

Present a guest lecture on the evidence concerning vitamin A supplementation to prevent childhood mortality and morbidity in low- and middle-income countries.

2023 Systematic Review (PHLP 702)

UNC Gillings School of Global Public Health (Chapel Hill, NC)

Present a guest lecture about selective non-reporting of studies and results.

2014, 2015, Completing a Cochrane Systematic Review

2020, 2021 Cochrane Eyes and Vision U.S. University of Colorado (Denver, CO in 2020—2021)

Johns Hopkins Bloomberg School of Public Health (Baltimore, MD in 2014—2015)
Present lectures GRADEing Evidence, Qualitative Synthesis, Using Multiple Data
Sources, and Reporting Results. Lead small-group Framing the Research Question.

2015, 2019 <u>Strengthening Causal Inference in Behavioral Obesity Research</u>

Indiana University (Bloomington, IN in 2019) University of Alabama (Birmingham, AL in 2015)

Present a 1-hour lecture: *Introduction to Statistical Inference* (2019) and *Trial Registration and Reporting Guidelines* (2015). Advise attendees informally.

2014—2018 Graduate Summer Institute of Epidemiology & Biostatistics

Johns Hopkins Bloomberg School of Public Health (Baltimore, MD)

Present a lecture Introduction to Systematic Reviews and Meta-analysis.

2014 Patient Reported Outcomes Symposium

Johns Hopkins Bloomberg School of Public Health (Baltimore, MD)

Organized all all-day event with visiting scholar. Presented and organized a series of

talks and a panel about patient reported outcomes in clinical trials.

2013 Beginning a Systematic Review Protocol

UK Cochrane Centre (Oxford, UK)

Led a one-day workshop for approximately 25 first-time authors of Cochrane reviews, including researchers and clinicians. Presented series of lectures and led activities.

2011—2013 Research Methods

University College London (London, UK)

Present a guest lecture on Systematic Reviews in the core research methods course.

2007—2011 Psychosocial Interventions

Department of Social Policy and Intervention, University of Oxford (Oxford, UK)

Present a guest lecture on Psychosocial Interventions in the core interventions course.

#### **GRANTS AND CONTRACTS**

**Pending** 

Title: Improving results and conclusions about harms in systematic reviews of drugs (R01)

Sponsor: Agency for Health Care Research and Quality (AHRQ)

Role: Principal investigator
Period: 2024—2029 (60 months)

Amount: \$1,998,439 Effort: 20%

Objective: To use using innovative methods (e.g., natural language processing) to examine whether

information about safety in systematic reviews is consistent, and whether systematic reviews address safety concerns identified in real-world evidence and drug labels.

Current

Title: Computational methods, resources, and tools to assess transparency and rigor of

randomized clinical trials (R01)

Sponsor: National Library of Medicine (NLM)

Grant no.: R01LM014079

Role: Principal Investigator with Halil Kilicoglu

Period: 2022—2026 (48 months)

Amount: \$1,573,048

Effort: 20%

Objective: To use natural language processing to identify methods described in reports of clinical

trials, assess adherence to reporting guidelines, and conduct meta-research.

Title: Peer review management services (Peer review of PCORI's funded research)

Sponsor: Patient Centered Outcomes Research Institute (PCORI)

Role: Scientific Director for PCORI Research Reports, subcontract with Origin Editorial

Period: 2022— Effort: 40%

Objective: Oversee the peer review of PCORI Final Research Reports.

Past

Title: Indiana Clinical and Translational Sciences Institute (CTSI)

Sponsor: National Center for Advancing Translational Sciences (NCATS), NIH

Grant no.: 5UL1TR002529

Role: Collaborator (Sharon M Moe, Sarah E Wiehe, George Wodicka, Pls)

Effort: 5% for 2019—2022 (36 months)

Objective: To accelerate clinical and translational research by the three research universities,

Indiana, Purdue and Notre Dame.

Title: Peer review of PCORI's funded research

Sponsor: Patient Centered Outcomes Research Institute (PCORI)

Role: Site Principal Investigator from October 2018 (Mark Helfand, PI)

Period: 2016—2022

Effort: 20%

Objective: Review final reports of PCORI funded research. Evaluate the effectiveness of the peer

review process for improving reporting completeness and transparency.

Title: Misreported information about harms in trials of gabapentin for neuropathic pain

Sponsor: RIAT Support Center, University of Maryland (Arnold Ventures)

Role: Principal investigator
Period: 2019—2021 (21 months)

Amount: \$132,806 Effort: 15%

Objective: Reexamine and publish the harms observed in six clinical trials of gabapentin that were

not published or not published completely.

Title: Increasing take-up of TOP by social intervention research journals

Sponsor: Arnold Ventures (Laura and John Arnold Foundation)

Role: Principal investigator
Period: 2019—2021 (18 months)

Amount: \$248,975 Effort: 20%

Objective: Increase take-up of best practices openness and transparency by high-impact journals in

core disciplines of social intervention research.

Title: Harmonizing data from drug abuse treatment clinical trials at National Institute of

**Drug Abuse** 

Sponsor: Arnold Ventures (Laura and John Arnold Foundation)

Role: Co-investigator (Ramin Mojtabai, PI)

Period: 2018—2021 (36 months)

Amount: \$500,000 Effort: 10%

Objective: Develop a comprehensive user-friendly database of the National Institute for Drug

Abuse (NIDA) Clinical Trials Network (CTN) studies.

Title: Further increasing take-up of TOP by social intervention research journals

Sponsor: Fetzer Franklin Fund

Role: Co-investigator (Sean Grant, PI)

Period: 2020 Amount: \$18,700

Effort: None (staff costs only)

Objective: To complement and expand research designed to increase take-up of best practices

openness and transparency by high-impact journals in core disciplines of social

intervention research.

Title: Scientific review of efforts to improve the evidential value of nutritional epidemiology

research

Sponsor: National Cattlemen's Beef Association Role: Co-investigator (David Allison, PI)

Period: 2020 Amount: \$25,200

Effort: None (meeting and external collaborator costs only)

Objective: To host a workshop and prepare a report about rigor and evidence in nutritional

epidemiology

Title: Rigor, reproducibility, and transparency (RRT) at the interdisciplinary interface

Sponsor: Sloan Foundation

Role: Co-investigator (David Allison, PI)

Period: 2019—2020 Amount: \$19,960

Effort: None (meeting and external collaborator costs only)

Objective: To host a workshop and identify research priorities and opportunities related to RRT.

Title: TRUST in evaluations of social interventions: Developing standards for federal

clearinghouses

Sponsor: Laura and John Arnold Foundation

Role: Principal investigator
Period: 2017—2019 (18 months)

Amount: \$388,053 Effort: 20%

Objective: Develop methods for federal clearinghouses to make informed decisions about the

quality and transparency of evidence about the effectiveness of social interventions.

Title: Comparative effectiveness research & the Cochrane Eyes & Vision Group

Sponsor: National Eye Institute, NIH

Grant no.: 5UG1EY020522-10

Role: Co-investigator (Tianjing Li, PI)

Period: 2018—2019 Amount: \$999,479 Effort: 10%

Objective: Conduct comparative effectiveness research, particularly systematic reviews, related to

eyes and vision.

Title: Estimating population effects in mental health research using meta-analysis

Sponsor: National Institute of Mental Health, NIH

Grant no.: K99MH111807

Role: Collaborator (Hwanhee Hong, PI)

Period: 2017—2019 Amount: \$117,636

Effort: None (K-award mentor)

Objective: Develop methods to help generalize the results of meta-analyses, apply, and implement

findings from meta-analyses of randomized clinical trials in target populations.

Title: Mental health services and systems training program

Sponsor: National Institute of Mental Health, NIH

Grant no.: T32MH109436

Role: Collaborator (Colleen Barry and Elizabeth Stuart, PIs)

Period: 2017—2021 Amount: \$1,064,640

Effort: None (student support)

Objective: Train pre- and post-doctoral students to lead multi-disciplinary, collaborative research

teams.

Title: Johns Hopkins Institute for Clinical and Translational Research (JH-ICTR)

Sponsor: National Center for Advancing Translational Sciences (NCATS), NIH

Grant no.: UL1TR001079

Role: Project lead (Daniel E. Ford, PI)

Period: 2016—2019 (36-month ancillary award)

Amount: \$50,000 ancillary award

Effort: 10%

Objective: Ancillary award to evaluate the policies, procedures, and resources to ensure clinical

trials are registered and reported by academic organizations, and to identify and share

best practices.

Title: Increasing openness and transparency in research

Sponsor: Robert Wood Johnson Foundation

Grant no.: 74420

Role: Co-investigator (Sean Grant, PI)
Period: 2017—2018 (12 months)

Amount: \$200,000 Effort: 5%

Objective: Identify and promote policies and procedures that institutional review boards (IRBs) can

use to support open science.

Title: Increasing compliance with ClinicalTrials.gov registration and reporting requirements

Sponsor: US Food and Drug Administration (FDA)

Grant no.: 1U01FD005942-01

Role: Project lead (Caleb Alexander, PI)

Period: 2017—2018 (24-month ancillary award)

Amount: \$80,000 ancillary award

Effort: 20%

Objective: Ancillary award aimed to identify policies and procedures related to compliance with

federal regulations for clinical trials of FDA regulated products.

Title: Comparative effectiveness research & the Cochrane Eyes & Vision Group

Sponsor: National Eye Institute, NIH

Grant no.: 5U01EY020522-07

Role: Co-Investigator (Kay Dickersin, PI)

Period: 2016—2017

Amount: \$1,333,961 (year 7)

Effort: 10%

Objective: Conduct comparative effectiveness research, particularly systematic reviews, related to

eyes and vision.

Title: Strengthening social and behavioral science by comparing methods to identify patient

important harms

Sponsor: US Food and Drug Administration (FDA)

Grant no.: 1U01FD004977-01

Role: Project lead (Caleb Alexander, PI)

Period: 2015—2016 (12-month ancillary award)

Amount: \$25,000 ancillary award

Effort: 20%

Objective: Ancillary award aimed to compare methods for identifying potential harms and for

selecting harms to include in clinical trials.

Title: Integrating multiple data sources for meta-analysis to improve patient-centered

outcomes

Sponsor: Patient Centered Outcomes Research Institute (PCORI)

Contract no.: ME-1303-5785

Role: Co-Investigator (Kay Dickersin, PI)

Period: 2013—2015 (24 months)

Amount: \$761,279 Effort: 90%

Objective: Explore the effect of incorporating data from multiple data sources in systematic

reviews of patient-centered outcomes research

Title: A new method for reporting behavioural change and psychological interventions

Sponsor: Economic and Social Research Council (UK)

Grant no.: ES/K00087X/1

Role: Co-Principal Investigator with Paul Montgomery

Period: 2013—2015 (24 months) Amount: ~\$519,906 (£279,681)

Effort: 10%

Objective: Develop reporting guidelines for randomized controlled trials of psychological and

behavioral interventions

Title: Focus group study to increase uptake and acceptability of self-help

Sponsor: University Counseling Service, University of Oxford

Role: Principal Investigator
Period: 2008 (12 months)
Amount: ~\$6,000 (£3000)

Effort: None (study expenses only, including participant honoraria)

Objective: Identify factors that might relate to the uptake and use self-help materials for people

with anxiety disorders.

Title: **Training grant** 

Sponsor: Department of Social Policy and Intervention, University of Oxford

Role: Principal Investigator
Period: 2007 (6 months)
Amount: ~\$1,560 (£780)

Effort: None (cost of training only)

Objective: To complete a training course in qualitative research methods.

### **ACADEMIC SERVICE**

### **UNC Gillings School of Global Public Health (Chapel Hill, NC)**

Department-level (Department of Epidemiology) 2023—present **Doctoral Admissions Committee** 

Committee Member

2023—present MPH Advisors

Member of ad hoc committee

2023—2024 Department Chair Search Committee

Committee Member

### Indiana University-Bloomington (Bloomington, IN)

Department-level (Department of Epidemiology and Biostatistics)

2019—2012 Comprehensive exam grading

2019—2021 **Doctoral Admissions Committee** 

Committee Member

2021 Curriculum Committee

Committee Member

2019 Wrote department's Values Statement

Peer-reviewed Epidemiology SPH-E 651

School-level (Indiana University School of Public Health-Bloomington)

2020—2021 Academic Council (governing body of IU SPH-B)

Chair

As Chair of the school's governing body, led major revision of the school's policies for reviewing probationary faculty (non-tenure eligible and pre-tenure faculty). Led major revision of the school's bylaws to increase continuity in council membership and to support the Committee on Diversity Inclusion.

Taskforce on Diversity and Inclusion in the School of Public Health

Committee Member

Identified needs and opportunities, and worked to improve diversity and inclusion in the school and in the wider community.

2019—2020 Academic Council (governing body of IU SPH-B)

Committee Member

As the Department of Epidemiology and Biostatistics Representative, led a major revision of the School of Public Health Promotion and Tenure Guidelines.

### 2019 Faculty Grievance Committee

Department of Epidemiology and Biostatistics Representative

Evaluated student complaints concerning faculty, made recommendations to the Dean.

University-level (Indiana University)

2019—2022 Community, Healthcare Delivery, & Implementation Science Project Development

Team (PDT), Indiana Clinical and Translational Sciences Institute

Committee Member

Review and provide feedback to candidates applying for CTSI seed funding and to faculty

seeking feedback about external funding proposals.

### Johns Hopkins Bloomberg School of Public Health (Baltimore, MD)

Center-level (Center for Clinical Trials and Evidence Synthesis)

2016—2019 Website maintenance

2014—2019 Comprehensive exam grading, Clinical Trials and Evidence Synthesis Track

Department-level (Department of Epidemiology)

2014—2019 MPH and PhD application review, Epidemiology

### **University of Oxford (Oxford, UK)**

Department-level (Department of Social Policy and Intervention)

2008—2011 Student support committee
 2008—2011 MSc and DPhil admissions tutor
 2008—2011 Exam board (comprehensive exams)

2007—2011 Teaching committee (MSc program steering committee)

## **PROFESSIONAL SERVICE**

2023—present National Academies of Sciences Engineering and Medicine, Review of Relevant

**Literature Regarding Adverse Events Associated with Vaccines** 

Committee Member

Prepare a consensus report concerning the association between vaccines and specific

harms (adverse events).

2023—present Cochrane Adverse Events Methods Group

Associate Convenor

Provide advice and training, and monitor Cochrane reviews, with respect to the

synthesis of information about adverse events.

2023—present American Psychological Association Open Science and Methodology Expert Panel

Committee Member

Develop and share best practices for openness and transparency in APA publications.

2023—present Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA)

Executive Committee Member

Oversee the development of extensions, translations, and updates to the Preferred Reporting Items for Systematic reviews and Meta-Analyses (PRISMA) reporting

guidelines.

2023—present Summer Institute on Randomized Behavioral Clinical Trials

Steering Committee Member

Determine the curriculum and faculty for the 9.5 day summer institute, and manage

the online pre-institute and pre-institute.

2022—present MRC-NIHR Trials Methodology Research Partnership (TMRP) Adverse Events in

**Clinical Trials Working Group** 

Working Group Member

Advance methodology in collaboration with an international, multidisciplinary group

working on the collection, analysis and synthesis of harms in clinical trials.

2022—present JBI Evidence Synthesis Taxonomy Initiative

Advisory Group Member

Provide advice on the development of a taxonomy for systematic reviews.

2019—present Cochrane Clinical Study Report Working group

Committee Member

Develop methods and promote the inclusion of data from Clinical Study Reports in

Cochrane systematic reviews.

2016—present <u>Transparency and Openness Promotion (TOP) Guidelines</u>

Advisory Committee Member

Support dissemination and implementation of standards for research transparency.

2019—2022 <u>American Psychological Association Advisory Steering Committee for Development</u>

of Clinical Practice Guidelines

Committee Member

Design and assess the policies and procedures by which APA develops guidelines for

the treatment of psychological problems.

2021 National Academies of Sciences Engineering and Medicine, Review of Department of

**Veterans Affairs Monograph on Health Economic Effects of Service Dogs for** 

**Veterans with Post Traumatic Stress Disorder** 

Committee Member

Prepare a consensus report concerning a monograph about the cost effectiveness of

service dogs for veterans with posttraumatic stress disorder ("Monograph 2").

2020—2021 National Academies of Sciences Engineering and Medicine, Review of Department of

**Veterans Affairs Monograph (No. 1) on Potential Effects of Service and Emotional** 

**Support Dogs on Post-Traumatic Stress Disorder (therapeutic effects)** 

Committee Member

Prepare a consensus report concerning a monograph about the effectiveness of

service dogs for veterans with posttraumatic stress disorder ("Mongraph 1").

2019—2021 American Psychological Association Emotion Regulation Clinical Practice Guideline

**Working Group** 

Committee Member

Responsible for strategic planning related the development of a transdiagnostic

guideline for improving emotion regulation.

2016—2019 <u>Multi Stakeholder Engagement (MuSE) Consortium</u>

Committee Member

Conducted a scoping review to identify various stakeholders in health research and to

describe methods for engagement.

2019 **Instrument for reporting Planned Endpoints in Clinical Trials (INSPECT)** Consensus Group Member Create guidelines for reporting outcomes in clinical trial registrations and final reports. 2019 Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA) Consensus Group Member Update reporting guidelines for systematic reviews in scientific journals. 2019 **Consolidated Standards for Reporting Trials (CONSORT) Extension for Harms** Consensus Group Member Update reporting guidelines for describing harms (adverse events) that occur in clinical trials. 2015-2018 American Psychological Association Journal Article Reporting Standards (JARS) Taskforce Member Developed reporting guidelines that are required by American Psychological Association (APA) journals. 2018 Guidance for Exploratory Studies of Complex Public Health Interventions (GUEST) Consensus Meeting Member Developed guidelines for designing pilot and feasibility trials. 2017 NIH Office of Behavioral and Social Sciences Research (OBSSR) Working Group for **Comparator Selection in Behavioral and Social Science Trials** Committee Member Developed standards for selecting comparator groups when designing clinical trials of behavioral and social science interventions. 2017 NIH Science of Behavior Change (SOBC) Good Clinical Practice Workshop Committee Member Sought to improve National Institutes of Health policies and procedures for reporting the methods and results of clinical trials of behavioral interventions. 2015 Clinical Trials: Assessing Safety and Efficacy for a Diverse Population Workshop Organizer Hosted a one-day workshop about patient diversity in clinical trials with the US Food and Drug Administration in White Oak, VA; 469 attendees (134 in-person, 335 online). 2015 **Transparency and Openness Promotion (TOP)** Committee Member Developed standards for research transparency that have been endorsed by approximately 5,000 journals and organizations. 2014 Consolidated Standards for Reporting Trials Extension for Social and Psychological Interventions (CONSORT-SPI) Consensus Group **Executive Committee Member** Developed guidelines for reporting clinical trials. Organized and led a three-day consensus meeting with other members of the Executive Committee. 2011-2014 National Institute for Health and Care Excellence (UK) Guideline Development Group Member Developed three National Institute for Health and Care Excellence (NICE) guidelines for the National Health Service (NHS) and social services in England and Wales

children and young people in primary and secondary care (2012—2014)

Bipolar disorder: the assessment and management of bipolar disorder in adults,

<u>Psychosis and Schizophrenia in Adults: The NICE guideline on the treatment and management of psychosis and schizophrenia in adults (2011—2013)</u>

<u>Social anxiety disorder: The NICE guideline on the recognition, assessment and treatment of social anxiety disorder</u> (2011—2013)

# **EDITORIAL SERVICE**

<b>Editorial board</b>	
2022—present	Scientific Director, <u>Peer Review of Patient Centered Outcomes Research Institute</u>
	(PCORI) Final Research Reports
2022—present	Consulting Editor, Clinical Psychology: Science and Practice
2019—present	Associate Editor, <u>American Journal of Public Health</u>
2019—present	Editorial Board Member, Journal of Clinical Epidemiology
2019—present	Associate Editor, <u>Trials</u>
2016—2022	Consulting Editor, <u>Health Psychology</u>
2016—2022	Associate Editor, <u>Peer Review of Patient Centered Outcomes Research Institute (PCORI)</u>
	<u>Final Research Reports</u>
2019—2022	Guest Editor for special issue on meta-analysis, <u>Prevention Science</u>
2011—2018	Editorial Board Member, <u>Research on Social Work Practice</u>
2013—2016	Associate Editor, <u>Systematic Reviews</u>
2005—2006	Managing Editor, Campbell Collaboration Crime and Justice Group

# **Conference organizing committees**

2020	Scientific Committee Member, <u>International Behavioral Trials Network</u>
2017	Abstract Committee Member, Global Evidence Summit
2016	Abstract Committee Member, Cochrane Colloquium
2010	Abstract Committee Member, Cochrane and Campbell Colloquium