

OCT 30, 2020

North American Systematic Review Methods Virtual Research Day



Welcome!

Welcome to the North American Systematic Review Methods Virtual Research Day!

The Agency for Healthcare Research and Quality Evidence-based Practice Center (AHRQ EPC) program, Guidelines International Network - North America (G-I-N/NA), Cochrane Canada, and Cochrane US have been working together to bring you this virtual event. Today we will be hearing from North American speakers across a breadth of topics relevant to the production of systematic reviews, with a desire to focus on early career investigators.



In the COVID-19 era, collaboration and exchange of ideas amongst the evidence-based healthcare community is more critical than ever. We are pleased to bring together this program of speakers representing institutions across North America. We hope this meeting provides a platform for partnership, relationship building, and shared learning to further promote and accelerate evidence-based healthcare across the continent.

All the best,

Virtual Research Day Planning Committee

Christine Chang, MD, MPH, Associate Director, AHRQ EPC Program

Yerado Abrahamian, MHS, Chair, G-I-N North America Steering Group

Mary Nix, MS, PMP, Immediate Past Chair, G-I-N North America Steering Group

Adrienne Stevens, MSc, PhD, Managing Director, Cochrane Canada

Karen Robinson, MSc, PhD, Director, Johns Hopkins University EPC; member, G-I-N North America Steering Group

Tiffany Duque, MPH, Network Coordinator, Cochrane US

Celia Fiordalisi, MS, Methods Coordinator, Scientific Resource Center

North American Systematic Review Methods Virtual Research Day Agenda

October 30th, 2020

11:30 am – 3:30 pm ET / 8:30 am – 11:30 am PT

Please see the calendar invitation for Zoom sign-in information. To be added to the calendar invitation, please email methods@epc-src.org.

Unless otherwise indicated, all abstracts were selected from those submitted and accepted to the 2020 Cochrane Colloquium.

Time (ET)	Length	Title	Authors/Presenters
11:35 am – 11:45 am	10 mins	Introduction	
Non-randomized Studies			Moderator: Karen Robinson
11:45 am – 12:00 pm	15 mins	<i>A tool to assess Risk Of Bias In Non-randomised Studies - of Exposures (ROBINS-E)</i>	Rebecca Morgan (McMaster University, Canada)
12:00 pm – 12:15 pm	15 mins	Guideline development using systematic reviews supplemented with internal health system data: The development and application of a conceptual framework*	Jennifer Lin & Helen Wu (Kaiser Permanente, USA)
12:15 pm – 12:30 pm	15 mins	<i>Examining the effect of nutrition interventions to reduce hyperphosphatemia in chronic kidney disease: Is including non-randomized trials a waste of time?</i>	Mary Rozga (Academy of Nutrition and Dietetics, USA)
12:30 pm – 12:35 pm	5 mins	Break/Speaker Mic Check	
Strength of Evidence and Bias			Moderator: Christine Chang
12:35 pm – 12:50 pm	15 mins	<i>Meta-analysis as a simultaneous inference problem: a novel approach to assess replicability of evidence</i>	Orestis Panagiotou (Brown University, USA)
12:50 pm – 1:05 pm	15 mins	<i>Methodological review of items for assessing the risk of bias in network meta-analyses provides groundwork for the development of a new risk of bias tool for network meta-analysis</i>	Carole Lunny (Cochrane Hypertension Group, Canada)
1:05 pm – 1:20 pm	15 mins	<i>Ignoring non-significant factors without data may bias the results of meta-analysis of prognostic studies</i>	Li Wang (McMaster University, Canada)
1:20 pm – 1:35 pm	15 mins	Dealing with retrieval bias for an evidence-informed individual patient data network meta-analysis*	Areti A. Veroniki (St. Michael's Hospital, Canada)
1:35 pm – 1:50 pm	15 mins	Lunch/Speaker Mic Check	
Improving Use of Systematic Reviews			Moderator: Yerado Abrahamian
1:50 pm – 2:05 pm	15 mins	<i>depressionsscreening100.com/phq: A practice-based perspective to using the Patient Health Questionnaire-9 to screen for depression</i>	Brooke Levis (McGill University, Canada)

2:05 pm – 2:20 pm	15 mins	<i>Using a distribution-based approach and systematic review methods to derive minimum clinically important differences</i>	Jennifer Watt (University of Toronto, Canada)
2:20 pm – 2:35 pm	15 mins	<i>Progress toward a reporting guideline for overviews of reviews of healthcare interventions: Preferred Reporting Items for Overviews of Reviews (PRIOR)</i>	Michelle Gates (University of Alberta, Canada)
2:35 pm – 2:40 pm	5 mins	Break/Speaker Mic Check	
Improving Efficiency of Systematic Reviews			Moderator: Adrienne Stevens
2:40 pm – 2:55 pm	15 mins	Accelerating integration of emerging evidence into healthcare delivery: rapid reviews for learning health systems	Marcy Hager (Oregon Health & Science University, USA)
2:55 pm – 3:10 pm	15 mins	Rapid review methods: a systematic scoping review	Candyce Hamel (Ottawa Hospital Research Institute, Canada)
3:10 pm – 3:25 pm	15 mins	A new machine-learning powered tool to aid citation screening for evidence synthesis: PICOPortal	Eitan Agai (Fast Healthcare Interoperability Resources, Resources for Evidence- Based Medicine [EBMonFHIR], USA)
3:25 pm – 3:30 pm	5 mins	Closing	
Total: 180 minutes (3 hours)			

* - indicates abstract submitted to the GIN North America conference.

Italicized titles indicate the presenting author self-identified as an early career investigator in their submission to the Cochrane Colloquium.

All Cochrane abstracts can be found here:

Advances in Evidence Synthesis: special issue *Cochrane Database of Systematic Reviews* 2020;(9 Suppl 1). <https://doi.org/10.1002/14651858.CD202001>

Citation	Abstract Page in Issue
<p>Morgan R, Taylor K, Higgins J, Rooney A, Thayer K, Schünemann H, Sterne J. A tool to assess Risk Of Bias In Non-randomized Studies – of Exposures (ROBINS-E).</p> <ul style="list-style-type: none"> Journal Citation: Sterne JA, Hernán MA, Reeves BC, Savović J, Berkman ND, Viswanathan M, et al. ROBINS-I: a tool for assessing risk of bias in non-randomised studies of interventions. <i>BMJ</i> 2016;355:i4919. 	Pg. 321
<p>Lin J, Wu H. Guideline development using systematic reviews supplemented with internal health system data: The development and application of a conceptual framework. Available to GIN members here: https://g-i-n.net/regional-communities/gin-na/g-i-n-na-events-activities</p>	GIN
<p>Rozga M, Cheng F, Moloney L, Handu D. Examining the effect of nutrition interventions to reduce hyperphosphatemia in chronic kidney disease: is including non-randomized trials a waste of time?</p>	Pg. 368
<p>Panagiotou O, Voorhies K, Jaljuli I, Schmid C, Heller R. Meta-analysis as a simultaneous inference problem: a novel approach to assess replicability of evidence.</p>	Pg. 341
<p>Lunny C, Andrea T, Veroniki A, Wright J, White I, Dias S, Salanti G, Hutton B, Higgins J, Whiting P. Methodological review of items for assessing the risk of bias in network meta-analyses provides groundwork for the development of a new risk of bias tool for network meta-analysis.</p>	Pg. 464 (amended)
<p>Wang L, Guyatt G, Thabane L, Busse J. Ignoring non-significant factors without data may bias the results of meta-analysis of prognostic studies.</p>	Pg. 335
<p>Veroniki AA, Ashoor H, Rios P, Seitidis G, Mavridis D, Straus S, Tricco A. Dealing with retrieval bias for an evidence-informed individual patient data network meta-analysis. Available to GIN members here: https://g-i-n.net/regional-communities/gin-na/g-i-n-na-events-activities</p>	GIN
<p>Levis B, Dehtiarova Y, Sun Y, Wu Y, Benedetti A, Thombs BD. depressionscreening100.com/phq: a practice-based perspective to using the Patient Health Questionnaire-9 to screen for depression.</p>	Pg. 53
<p>Watt J, Veroniki AA, Tricco A, Straus S. Using a distribution-based approach and systematic review methods to derive minimum clinically important differences.</p>	Pg. 107

Gates M, Gates A, Pollock M, Fernandes RM, Pieper D, Tricco AC, Hartling L. Progress toward a reporting guideline for overviews of reviews of healthcare interventions: Preferred Reporting Items for Overviews of Reviews (PRIOR).	Pg. 400
Hager M, Jungbauer R. Accelerating integration of emerging evidence into healthcare delivery: rapid reviews for learning health systems.	Pg. 419
Hamel C, Michaud A, Affengruber L, Skidmore B, Stevens A, Nussbaumer-Streit B, Garritty C. Rapid review methods: a systematic scoping review.	Pg. 431
Agai E. A new machine-learning powered tool to aid citation screening for evidence synthesis: PICOPortal.	Pg. 172