

GIN 2020 Preconference Course Description for GIN Conference Website

International Guideline Credentialing and Certification (INGUIDE) Program: Level 2 – Guideline Methodologist Course

Course Aims and Objectives

The learning objectives of the workshop are to: i) understand the importance of methodologically sound health practice guidelines through the perspective of a guideline methodologist; ii) understand the G-I-N/McMaster approach to guideline development in detail and be able to apply and explain the G-I-N/McMaster approach to guideline panel members; and iii) understand how the G-I-N/McMaster approach is informed by methods developed by Appraisal of Guidelines for Research & Evaluation (AGREE), Grading of Recommendations, Assessment, Development and Evaluations (GRADE), Guidelines International Network (G-I-N), Institute of Medicine (IOM), Reporting Items for Practice Guidelines in Healthcare (RIGHT), and the World Health Organization (WHO). Participants who successfully complete the course and meet experiential requirements as a methodologist in guideline development will be certified as an 'INGUIDE Guideline Development Methodologist'. INGUIDE is a new credentialing program by G-I-N and McMaster University and will officially be launched at the G-I-N conference, but this workshop contains exactly the same course content and approach.

Relation to G-I-N's Mission and/or Conference Theme

Training provided by this workshop will ensure that methodologists involved in the development of practice guidelines have the necessary knowledge and competencies to successfully and efficiently apply systematic, evidence-based methods to consistently produce high-quality guidelines. Practice guideline users can rest assured that guidelines developed by INGUIDE certified guideline methodologists contain trustworthy recommendations. The G-I-N McMaster guideline development checklist is freely available and the learning objectives of this course are explicitly based on this approach. It will be transparent what knowledge and skills INGUIDE certified guideline methodologists have, and they are taught to transparently plan and report every step of their guideline methodology. In addition, following the systematic methodology will make the guideline development process more efficient and ensures that contextual factors such as health equity are considered. Therefore, the course will contribute to 'making health choices transparent, equitable and efficient' as per the GIN 2020 conference theme.

Workshop Length

The workshop will be 2-days starting Monday September 28 and concluding Tuesday September 29, 2020. Eight and a half hours of course content, not including lunch or breaks, will be covered each day, totalling 17 hours.

Detailed Programme and Timetable

Date & Time	Topic
Day 1	Introductions

Date & Time	Topic
8:00am - 10:00am	INGUIDE program introduction
	Course objectives & schedule
	Overview of guideline development process
	Organization & priority setting
	Group membership
10:00am-10:15am	Break (Light Refreshments)
10:15am – 12:00pm	Group processes
	Selecting target audience & topic
	Consumer & stakeholder involvement
	Conflict of interest
12:00 – 1:00 pm	Lunch
1:00pm – 3:00pm	PICO question generation
	- Diagnostic PICO
	Importance of outcomes, interventions, and values & preferences
3:00pm – 3:15pm	Break (Light Refreshments)
3:15pm – 6:00pm	Searching & selecting evidence
	- Non-randomized studies
	Risk of bias
	- RCT
	- Non-randomized
Day 2	
8:00am – 10:00am	Tools demo
	Summarizing evidence
	- Network meta-analysis
	Considering additional information
	- Prognostic evidence
	- Other domains such as values & preferences, cost, etc.
10:00am-10:15am	Break (Light Refreshments)
10:15am – 12:00pm	Judging certainty of a body of evidence
12:00 – 1:00 pm	Lunch
1:00pm – 3:00pm	Developing recommendations and their strength
	Wording of recommendations
	Considering implementation, feasibility & equity
3:00pm – 3:15pm	Break (Light Refreshments)
3:15pm - 6:00pm	Reporting & peer review
	Dissemination & implementation (adaptation/adoption)
	Evaluation & use
	Updating
	Instructions for Level 2 credentialing
	INGUIDE program: next levels

Names, Pictures and Bios of the Key Facilitators

Holger J. Schünemann, MD, MSc, PhD, FRCPC



Holger Schünemann is professor in the Departments of Health Research Methods, Evidence, and Impact and of Medicine at McMaster University, widely considered the birthplace of evidence-based health care, where he was department chair from 2009 to 2019. He graduated from the Medical School of Hannover (1993 & Dr. med. in 1994) and trained in lung biology, epidemiology, *internal medicine* and *preventive medicine/public health* at the University at

Buffalo, State of New York (M.Sc. Epidemiology in 1997; Ph.D. Epidemiology & Community Medicine in 2000). He is co-chair of the **GRADE working group** (www.gradeworkinggroup.org) and **director of Cochrane Canada** and the [McMaster GRADE center](#). Maintaining an active internal medicine practice fulfills his passion for patient care and ensures his research is people-oriented. He is an author of **over 600 peer-reviewed publications** (h-index 134/93 google scholar/web of science) and among the **1000 most cited scientists** of all times (www.webometrics.info).

Romina Brignardello-Petersen, DDS, MSc, PhD



Dr. Romina Brignardello-Petersen is an Assistant Professor at the Department of Health Research Methods, Evidence, and Impact, at McMaster University. Her research interests include methods for developing systematic reviews and clinical practice guidelines. She is an active member of the GRADE working group, where she leads the Network Meta-Analysis project group. Dr. Brignardello-Petersen has worked as the methodologist for a number of clinical practice guidelines with organizations such as the American Society of Hematology, the Ministry of Health of the Kingdom of Saudi Arabia, the Pan-American Health Organization, and the World Health

Organization. She has also taught the guidelines development and adaptation process in graduate research courses, workshops offered by the MacGRADE Centre, online courses offered by the Pan-American Health Organization, and in-person courses designed for personnel from the Public Health Agency of Canada.

Ignacio Neumann, MD, MSc, PhD



Ignacio Neumann is Associate Professor in the Department of Internal Medicine at Pontificia Universidad Catolica of Chile and a member of the GRADE Working Group and the Cochrane Collaboration. He has published several systematic reviews and served as methodologist in international guidelines of professional societies. Also, he has led several adaptation efforts in Latin America, tailoring international recommendations to specific contexts and constrains using the GRADE-ADOLPMENT approach.

Robby Nieuwlaat, MSc, PhD



Robby Nieuwlaat is Associate Professor in the Department of Health Research Methods, Evidence, and Impact at McMaster University. He obtained MSc in health sciences (2001) and PhD in cardiovascular clinical epidemiology (2007) from Maastricht University in The Netherlands. He worked as a post-doctoral research fellow at the Population Health Research Institute in Hamilton from 2008 until becoming a faculty member at McMaster University in 2011. He is a researcher in the MacGRADE Centre of McMaster University, GRADE working group member, and has experience with developing practice guidelines as a methodology panel member and systematic review lead. He is also a researcher at the Michael G. DeGroot Cochrane Canada Centre at McMaster University, Cochrane Heart editorial board member, and has led several highly cited reviews. His research interests include advancing evidence synthesis methods for clinical decision-making, as well as optimizing implementation of recommended best practice. He is an author of over [100 peer-reviewed publications](#) (h-index 43 in Google scholar).

Amir Qaseem MD, PhD, MHA, MRCP (London), FACP



Dr. Qaseem is trained as a physician, health economist, methodologist, clinical epidemiologist, business administrator, and a leader. He leads ACP's clinical guidelines, performance measurement, high value care and scientific medical policy programs. He has also been involved in multiple national and international collaborations to develop health policy, assess and evaluate quality of care, and develop strategies to improve care. He has published extensively and has presented nationally and internationally. He has been interviewed for his expertise by journalists for many high-profile media outlets. He has been on boards and committees, including governance boards, of various national and international organizations.

Nancy Santesso, RD, MLIS, PhD



Nancy Santesso is Assistant Professor in the Department of Health Research Methods, Evidence and Impact at McMaster University, Canada, a Registered Dietitian, and a member of the GRADE Working Group. She is currently working with guideline panels of professional organisations and the World Health Organisation internationally to facilitate the guideline development process. She has also worked with a number of Cochrane groups to produce systematic reviews and to translate that evidence for use by various stakeholders.

Wojtek Wiercioch, MSc, PhD(c)



As a research methodologist at the McMaster GRADE Centre in the Department of Health Research Methods, Evidence, and Impact (McMaster University, Hamilton, Canada) he specializes in evidence synthesis, guideline development methodology, and the guideline development process. His main research activities include development of clinical practice guidelines and systematic reviews in collaboration with various medical professional societies, healthcare organizations and ministries of health, as well as development and evaluation of guideline methods. As a member of the GRADE working group he actively participates in teaching systematic review and guideline methods. He completed his graduate training in the Health Research Methodology program at McMaster University.

Target Audience

Target participants will include anyone seeking to obtain INGUIDE level 2 'guideline methodologist' certification. This includes: i) individuals who intend to provide methodological support to groups that develop practice guidelines; ii) experienced guideline methodologists looking to re-fresh their skills; and iii) individuals who intend to become certified at INGUIDE levels 3 or 4 (i.e., those who intend to chair groups that develop practice guidelines or train others in guideline development methods). Maximum group size is 25 participants.

Course Pre-requisites

Participants who register for this workshop will be required to complete the pre-requisite 'INGUIDE Program – level 1 – guideline group or panel member' online course prior to the proposed workshop. The level 1 course consists of 3 hours of introductory guideline development methods content as relevant for guideline group or panel members. It focuses on select domains of the G-I-N-McMaster Guideline Development Checklist and highlights a code of conduct for those who participate in guideline development groups/panels. While the INGUIDE program is scheduled to launch at the G-I-N 2020 conference starting September 29, 2020, we will ensure that the online level 1 course is launched by September 1, 2020 so workshop registrants have ample time to complete the pre-requisite course. Workshop registrants who fail to complete the pre-requisite course will be permitted to attend the workshop, however, they will not be able to be certified until all pre-requisites and certification requirements are met.

INGUIDE Certification Requirements

In addition to the completion of coursework, participants wishing to become certified for INGUIDE Program Level 2 must complete an online exam on their own time following workshop completion. Workshop participants will access the online exam through the INGUIDE Program learning management system (LMS) using a single use access code provided by the instructor. Participants must also complete an experiential training component in order to receive INGUIDE Program Level 2 certification. This requires the participant to participate in 3 guideline panels in the role of methodologist. Panel participation may occur prior to, during, or following

coursework completion. For retrospective experience to be considered eligible, all 3 panels must have occurred ≤ 15 years prior to course registration AND ≥ 1 of 3 panels must have occurred ≤ 5 years prior to course registration. Proof of experiential training (i.e., signed letter from the guideline producing organization or guideline panel chair) must be submitted to INGUIDE Program staff for review and approval. Electronic certificates will be distributed by INGUIDE Program staff to participants who complete all certification requirements.