



Post MD Education
UNIVERSITY OF TORONTO

GLOBAL HEALTH EDUCATION INITIATIVE

A Global Health Certificate Program for Medical Residents

Thankyou for learning with us!

LOCAL TRAINING



**September 2016
through
June 2017**

GLOBAL IMPACT

WELCOME TO THE GLOBAL HEALTH EDUCATION INITIATIVE (GHEI)

Dear Residents,

On behalf of the GHEI module coordinators and guest lecturers, we would like to welcome you to the Global Health Education Initiative Class of 2018. The program will run from September 2016 through June 2018. Global health is a conceptual framework to understand how expressions of health and illness are impacted by underlying determinants to affect world populations. In Toronto, the most multicultural city in the world, global health is local health and local health is global health. Global Health knowledge and skills are useful in everyday practice in Canada and are critical to solving the most challenging health problems affecting individuals and communities around the globe.

The Global Health Education Initiative is an exciting initiative which fills a long-recognized gap in the training of health professionals who are interested in making an impact in the global health scene.

It adds to informal mentoring by providing a structured, evidence-based, and carefully designed curriculum in a small group format - an approach to global health education unique to this program and to the university. The University of Toronto is home to one of the largest concentrations of Global Health leaders in the world. As GHEI participants, you will have access to these individuals who have committed to sharing their expertise and passion for global health with you.

By taking part in this program you will be part of a growing community of professionals dedicated to using more innovative and effective methods to address the needs of marginalized populations at home, and underserved populations abroad. You will also be contributing to the fulfillment of the Faculty of Medicine's mandate towards social accountability within and outside the borders of the University, the City of Toronto and globally.

Balancing the demands of residency with the GHEI program may not be easy, but your future patients and their communities will thank you.

With best wishes,

Salvatore M. Spadafora

Professor Department of Anesthesia &

Vice Dean Post MD Education (PGME & CPD) Faculty of Medicine, University of Toronto

Barry Pakes

Program Director

Global Health Education Initiative (GHEI) PGME Global Health Lead

Judy Kopelow

Administrative Director

Global Health Education Initiative (GHEI)

PGME Manager, Global Health Programming and Strategic Initiatives

GLOBAL HEALTH EDUCATION INITIATIVE (GHEI)

Global Health Certificate Program for Medical Residents

LOCAL TRAINING: GLOBAL IMPACT

September 2016 - June 2017

PROGRAM OVERVIEW

The Global Health Education Initiative (GHEI) certificate program provides interested medical residents with knowledge and skills relevant to the practice of global health. The program objectives are aligned with CAN-MEDS objectives, emphasizing an understanding of global determinants of health, technical skills, advocacy, management and leadership, interdisciplinary collaboration and public health medical expertise. The program is taught by leading University of Toronto global health faculty and practitioners who also have established international global health partners.

CANMED OBJECTIVES

1. To increase awareness of global health issues among healthcare trainees and develop effective advocacy skills. (Advocate)
2. To introduce healthcare trainees to management skills necessary for the planning, development and administration of a range of programs, health system components and complex humanitarian emergencies. (Manager)
3. To augment participants' knowledge of diseases and syndromes affecting global communities and develop their skills in managing patients in challenging circumstances and with limited resources. (Medical expert – medicine)
4. To familiarize trainees with the goals and means of public health interventions, including population health assessment, health promotion, health protection, health surveillance, and disease and injury prevention for application in Canada and abroad. (Medical expert – public health).
5. To enhance trainee communication skills with patients, colleagues and others in the settings of language and cultural barriers; and to enhance trainee's ability to share knowledge, teach, and build local capacity (Communicator)
6. To help participants understand the roles of community groups, health service providers, faith groups, governments and other non-governmental organizations and to facilitate collaboration with these groups (Collaborator)
7. To supplement trainees' ability to access and contribute relevant literature and apply it to the global context, and to encourage appropriate and ethical research with the goal of improving community health. (Scholar)
8. To develop trainee competence in identifying and resolving ethical dilemmas encountered in the practice of medicine internationally, and provide frameworks for ensuring professional behaviour in challenging environments. (Professional)

CROSS-CUTTING THEMES

The following themes will be incorporated in the content and delivery of each module:



PROGRAM FORMAT

The Global Health Education Initiative certificate program is delivered as a series of modules. Participants are required to attend the Program Opening Session, Module 1C, 5 additional core modules and 6 elective modules of their choosing. Each module is composed of 2-3 interactive sessions of 2-3 hours each. Pre-session preparation and post-session evaluations is mandatory but very brief. There will be no final examination.

SCHEDULE AND MANDATORY MODULE

The Program Opening Session will take place on Wednesday, September 7, 2016. The session will include an introduction to the program as a whole as well as a review of all program administrative details.

Module 1C, which is mandatory for all participants will discuss different aspects of “The Context of Global Health.” The final session will take place as part of the Global Health Day @ PGME on Thursday, June 8, 2017.

GLOBAL HEALTH EDUCATION INITIATIVE (GHEI)

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LOCAL TRAINING: GLOBAL IMPACT

September 2016 - June 2017

All other modules will be offered on varying schedules to accommodate resident and faculty schedules, allowing, as possible, for the full curriculum to be completed between September 2016 and June 2018. Accommodation will be made for any missed sessions by offering make-up sessions throughout the two-year program and allowing registrants to participate in a 3rd year as necessary.

LOCATION

All GHEI sessions will take place in the 6th Floor Boardroom, Postgraduate Medical Education at 500 University Avenue (west side of University Avenue, just north of Dundas Street).

PROGRAM REQUIREMENTS

The following items are required of each GHEI participant:

1. Participants must complete required readings for each session as identified by the module coordinators. All readings will be available to be downloaded from the GHEI Blackboard page.
2. All participants are required to complete a Pre-Session quiz, Post-session quiz, and Session Evaluation for each session they attend. Pre-Session quizzes will be circulated 10 days in advance and will be due 5 days before the session. All Post-Session quizzes and Evaluations will be circulated the evening of the session and will be due 2 days after each session.
3. Participants are requested to attend all sessions of the modules they register for. If a session is missed then the resident needs to choose a make-up session from another module.
All participants are required to keep an updated record including:
 - modules they register for and complete
 - the sessions they miss and the make-up sessions they complete (including Module name, number and date of replacement session)
4. Each participant will be sent a Module Completion Record template to record and update their attendance
 - Participants will be asked to submit monthly updates records of the sessions/modules and make-up sessions they have attended

In addition session attendance will be taken and residents missing sessions will be communicated with to help in supporting plans for make-up sessions. If two sessions are missed from the same module a make-up module will need to be taken. The GHEI Administrative Team will work with participants and assist to ensure organization around make-up sessions is organized and strategic.

PROGRAM STATUS

The certificate program is considered extra-curricular. Residents are responsible to arrange their schedule to ensure that they meet the requirements of their residency programs. Participants need to discuss their participation in the GHEI Program with their program director before registration.

GHEI CERTIFICATE PROGRAM CURRICULUM

CORE MODULES

PROGRAM OPENING SESSION

Module Coordinator: Dr. Barry Pakes

This session will include an introduction to the program as a whole and a review of all program administrative details. All residents in the Class of 2018 are required to attend.

Date	Session	Time
Wednesday September 7, 2016	Session 1	6:00 - 9:00 pm

1C: The Context of Global Health (4 sessions)

Module Coordinator: Dr. Barry Pakes

Guest Lecturers: Dr. Diego Bassani, PhD and Dr. Jim Lavery, PhD

The first session of this module will explore various perspectives on the nature of global health and introduce principles, goals and methods of global health practice. We will review basic metrics and frameworks for analysis and resolution of global health issues during a discussion of changing global demographics. The following sessions will be led by guest faculty. Session two will be a discussion on measuring global health, challenging research methods and research outcomes and use of research data. The final session will take place as part of 2017 Global Health Day with a keynote lecture by Dr. Jim Lavery followed by a lively exchange with renown leaders on critical global health issues.

Date	Session	Time
Thursday September 15, 2016	Session 1	6:00 - 9:00 pm
Wednesday November 16, 2016	Session 2	6:00 - 9:00 pm
Thursday June 9, 2016	Session 3 and Global Health Day	12:00 noon - 5:00 pm Location TBC

GHEI CERTIFICATE PROGRAM CURRICULUM

CORE MODULES

2C: Global Health Governance and Infrastructure (2 sessions on Saturday, September 10, 2016)

Module Coordinator: Dr. Jerome Singh

This module aims to equip participants with an understanding of governance terminology and their respective implications in the context of global health; an overview of key global bodies and regimes, their respective jurisdictions and powers, and how they impact, or could impact, on global health; and finally an understanding of how public health is governed at a global level, using a thematic approach.

Date	Session	Time
Saturday September 10, 2016	Session 1 & 2	9:00 am - 3:00 pm

3C: Ethics, Rights, and Law (3 sessions)

Module Coordinator: Dr. Barry Pakes

This module will interactively explore several approaches to ethical analysis in global health. We will begin with an introduction to foundational metaethical and ethical principles and then move on to discuss clinical, public health, and research ethics in the global context. We will explore and develop frameworks to reconcile these disparate perspectives. We will survey some alternative of these approaches to resolving Global health dilemmas including legal instruments, international treaties and non-governmental organizations.

Date	Session	Time
Wednesday September 28, 2016	Session 1	6:00 - 9:00 pm
Wednesday October 26, 2016	Session 2	6:00 - 9:00 pm
Wednesday November 23, 2016	Session 3	6:00 - 9:00 pm

GHEI CERTIFICATE PROGRAM CURRICULUM

CORE MODULES

4C: Fundamentals of Public Health Practice (3 sessions)

Module Coordinator: Dr. Alanna Fitzgerald-Husek

With Guest Lecturers

A population-oriented approach is essential for solving today's complex global public health problems. This module will familiarize participants with the core functions of public health practice including: population health assessment, health promotion, health protection, surveillance, and disease and injury prevention. Public health frameworks for systematically addressing global population health challenges will be reviewed. Equipped with these frameworks, participants will have the opportunity to examine several global public health case studies. Examples will include the WHO Framework Convention on Tobacco Control, global efforts to eradicate polio and global public health impact as a result of violence.

Date	Session	Time
Thursday October 13, 2016	Session 1	6:00 - 9:00 pm
Thursday October 27, 2016	Session 2	6:00 - 9:00 pm
Monday November 21, 2016	Session 3	6:00 - 9:00 pm

5C: Primary Care (3 sessions)

Module Coordinator: Dr. Judy Thompson

With Guest Lecturers

This module will provide an essential foundation for all disciplines interested in global health by examining international efforts to achieve "health for all". Participants will analyze the role of primary care in health systems in order to reduce costs, improve health outcomes and address inequities across population groups. All sessions will use interactive techniques to ponder the most difficult problems in delivering primary care in diverse locations. The module will utilize the broad experience of all participants and facilitators to build creative strategies for primary care. Several case studies will demonstrate how an appropriately trained health workforce can best provide primary care and promote health for all.

Date	Session	Time
Tuesday January 24, 2017	Session 1	6:00 - 9:00 pm
Tuesday January 31, 2017	Session 2	6:00 - 9:00 pm
Tuesday February 7, 2017	Session 3	6:00 - 9:00 pm

GHEI CERTIFICATE PROGRAM CURRICULUM

CORE MODULES

6C: Preparing Yourself for Global Health Fieldwork (2 sessions)

Module Coordinator: Dr. Kevin Chan

With Guest Lecturers

These two sessions on “Preparing Yourself to Global Health Fieldwork” highlight issues that you need to address before going abroad, including how to consider projects abroad, places to go for information and things you need to do prior to going away. The first session highlights motivations for going abroad and an outline for preparing to go overseas, and some travel tips. The second sessions will have a panel to ask some of the questions going abroad. At the end of the session, we hope you’ll be ready to travel the world.

Date	Session	Time
Saturday March 18, 2017	Session 1 & 2	9:00 am - 3:00 pm

7C: Post-Travel Debriefing

Module Coordinator: Dr. Barry Pakes

One of the most important learning opportunities of any experience is a reflective and comprehensive debriefing with professionals and peers. This module will consist of 2 meetings which will explore the methods of formal personal and operational debriefing as we actively debrief ourselves as participants share their own experience. Following this module participants will have the skills and knowledge to lead debriefing activities following global health work.

Date	Session	Time
Wednesday January 4, 2017	Session 1	6:00 - 9:00 pm
Wednesday January 18, 2017	Session 2	6:00 - 9:00 pm

GHEI CERTIFICATE PROGRAM CURRICULUM

CORE MODULES

8C: Cross Cultural Communication (3 sessions)

Module Coordinator: Dr. Kerry Bowman, PhD

Communication is culture bound. The way an individual communicates emanates directly from his or her culture. Yet culture does not reside in the conscious mind and a significant amount of human communication is both non-verbal and nuanced. Furthermore, cultural differences in health care shape how our patients understand illness, how they participate in their treatment and how they evaluate the care they have received. This module will provide participants with a basic understanding of the elements of communication that are culturally mediated and provide a framework to facilitate cross cultural communication. Understanding, and identifying such differences and in turn developing cross cultural communication skills is of paramount importance when working internationally.

Date	Session	Time
Tuesday February 6, 2017	Session 1	6:00 - 9:00 pm
Tuesday February 28, 2017	Session 2	6:00 - 9:00 pm
Tuesday March 7, 2017	Session 3	6:00 - 9:00 pm

9C: Non-communicable Diseases (3 sessions)

Module Facilitators: Dr. Kwame McKenzie, Professor John Kirton and Dr. Naheed Dosani

Non-communicable diseases cause the overwhelming majority of deaths and disease globally. They are also the most significant driver of increasing health care and non-health care costs. Fortunately, they are almost always preventable to some degree. This module will specifically address cancer, diabetes and cardiovascular diseases from a population health perspective and provide frameworks for addressing NCD's.

Date	Session	Time
Thursday May 25, 2017	Session 1	6:00 - 9:00 pm
Thursday June 1, 2017	Session 2	6:00 - 9:00 pm
Thursday June 15, 2017	Session 3	6:00 - 9:00 pm

GHEI CERTIFICATE PROGRAM CURRICULUM

ELECTIVE MODULES

10E: Infectious Diseases in the Developing World (3 sessions)

Module Coordinator: Dr. Andrea Boggild

Guest Lecturers: Dr. Susy Hota and James Wilton

This module will provide an introduction to both clinical and public health aspects of infectious diseases, including approaches to their diagnosis, management and control. The module will focus primarily on three specific pathogens (HIV/AIDS, malaria and tuberculosis) and two infectious syndromes (diarrheal diseases and respiratory tract infections) of major global health importance, but will use additional examples from other infectious diseases including measles, sexually transmitted infections, and helminths.

Sessions will combine didactic overviews of important concepts, small group interactive activities in which participants will apply concepts from the lectures and readings, short guest lectures, and class discussions of emerging issues, challenges and controversies in global infectious diseases.

Date	Session	Time
Wednesday September 14, 2016	Session 1	6:00 - 9:00 pm
Wednesday September 21, 2016	Session 2	6:00 - 9:00 pm
Wednesday October 19, 2016	Session 3	6:00 - 9:00 pm

11E: Innovative Health Service Delivery Models in Global Health (3 sessions)

Module Coordinator: Raman Sohal, PhD(c)

Human resource constraints, underperforming health systems, remote locations and low levels of health literacy make care for the poor in low and middle-income countries particularly challenging. Despite these gaps, many innovative health service delivery models have emerged which address availability, affordability and quality of services. Using comparative case studies of social enterprises and some public programs, this module will explore barriers to care and characterize innovative health service delivery models among organizations providing care for the poor. It will focus on novel business processes (in marketing, financing, and operating strategies) and medical processes (prevention, screening, diagnosis, treatment and monitoring). Issues of sustainability and scalability will also be addressed. These indigenous innovations are likely to be more appropriate to resource constrained settings, and some may also be relevant to industrialized countries facing increasing health care costs.

Date	Session	Time
Saturday October 8, 2016	Session 1 & 2	9:00 am - 3:00 pm

GHEI CERTIFICATE PROGRAM CURRICULUM

ELECTIVE MODULES

12E: Innovation and Technology in Global Health (2 sessions)

Module Coordinator: Dr. Helen Dimaras, PhD

With Guest Lecturers

This module will help participants gain an understanding of the role of recent knowledge and technologies in life sciences to improve the health of people in developing countries. It will stimulate the participants to think about why it is important to consider the roles of technologies for global health. It will then look at what technologies are the most promising ones, what types of health problems they address and encourage participants to critically evaluate the technologies' potential roles in developing countries context. We will then shift attention to discuss how advances in life sciences can be harnessed to improve health in developing countries. We will discuss strategies to promote innovation for global health and delineate the potential roles of developing countries in this process..

Date	Session	Time
Wednesday March 8, 2017	Session 1	6:00 - 9:00 pm
Wednesday April 5, 2017	Session 2	6:00 - 9:00 pm

13E: The Environment and Health (3 sessions)

Module Coordinators: Dr. Kerry Bowman, PhD and Dr. James Orbinski

This module will explore the interaction between environment and health in a global context. We will review the basic tools of environmental epidemiology and health impact assessment and mitigation; examine a case study of humanitarian response to an environmental health outbreaks in a low income country, discuss Canadian physician roles in sustainable policies and programs for health and impact of climate change and urgent need for response to it.

Date	Session	Time
Tuesday October 18, 2016	Session 1	6:00 - 9:00 pm
Tuesday November 1, 2016	Session 2	7:00 - 9:00 pm
Tuesday November 8, 2016	Session 3	6:00 - 9:00 pm

GHEI CERTIFICATE PROGRAM CURRICULUM

ELECTIVE MODULES

14E: Program Planning and Evaluation (3 sessions)

Module Coordinator: Dr. Adrienne Chan

Guest Lecturers: Dr. Lisa Puchalski Ritchie and Dr. Sumeet Sodhi

This module is targeted at clinicians without prior public health or program management training, and aims to provide an overview of planning and evaluation for health-related project implementation in resource limited settings. By providing an overview of standard models and case examples used in international development and global health and through hands-on interactive group discussion and practice, learners will: develop an understanding of the theory behind the planning and evaluation process; become familiar with commonly used program planning and evaluation techniques and tools; and be able to apply concepts to create a situational analysis, construct a logic model and develop a performance management framework around a real or example health delivery program or health systems strengthening project.

Session 1 will focus on an overview of the Project Cycle and the Situational Analysis. Session 2 will focus on the Logic Model. Session 3 will focus on Monitoring and Evaluation and the Performance Management Framework.

Date	Session	Time
Wednesday January 25, 2017	Session 1	6:00 - 9:00 pm
Wednesday February 1, 2017	Session 2	6:00 - 9:00 pm
Wednesday February 8, 2017	Session 3	6:00 - 9:00 pm

15E: Research in the Developing World (2 sessions)

Guest Speakers: University of Toronto global health research scientists TBC

This module will address the logistical, material and ethical issues involved in planning and executing scientifically and culturally sound research. Participants will also be introduced to methods of funding their research and strategies for collaborating across jurisdictions and institutions. Other issues, including global health knowledge translation, intellectual property and capacity building will also be addressed.

Date	Session	Time
Monday March 27, 2017	Session 1	5:30 - 7:30 pm
Monday April 24, 2017	Session 2	5:30 - 7:30 pm

GHEI CERTIFICATE PROGRAM CURRICULUM

ELECTIVE MODULES

16E: Complex Humanitarian Emergencies (3 sessions)

Module Coordinator: Chris Houston

With team of emergency response leaders

This module will provide a unique opportunity for learners to engage with leaders in global health with expertise in complex health emergencies (CHE). Through case-based discussions involving present and past CHE, students will gain an appreciation of the many issues regarding CHE and the evolving responses to them. This module will include interprofessional participants from nursing, pharmacy, public health, project management and paramedics.

Date	Session	Time
Wednesday April 12, 2017	Session 1	6:30 - 8:30 pm
Wednesday April 19, 2017	Session 2	6:30 - 8:30 pm
Wednesday April 26, 2017	Session 3	6:30 - 8:30 pm

17E: Health & Human Rights (3 sessions)

Module Coordinator: Laura Brittain, LLB

With Guest Lecturers

This module will provide an introduction to international human rights law, including the sources of law, specific rights, and accountability mechanisms. The last two sessions will look at the intersections between health and human rights through specific case studies, for example, relating to HIV/AIDS and/or reproductive rights. Sessions will combine didactic overviews of important concepts, small group interactive activities in which participants will apply concepts from the lectures and readings, guest lectures, and class discussions of emerging issues, challenges and controversies in health and human rights.

Date	Session	Time
Tuesday May 2, 2017	Session 1	6:00 - 9:00 pm
Tuesday May 9, 2017	Session 2	6:00 - 9:00 pm
Tuesday May 16, 2017	Session 3	6:00 - 9:00 pm

GHEI CERTIFICATE PROGRAM CURRICULUM

ELECTIVE MODULES

18E: Global Reproductive Health (3 sessions)

Module Coordinator: Dr. Rachel Spitzer

With Guest Lecturers

This module in global reproductive health will provide participants with an introduction to the broad variety of relevant topics and to the population of women who face these issues. Specific topics to be covered include maternal morbidity and mortality, cervical cancer, issues of elective pregnancy termination, HIV care in relation to reproductive health and reproductive health care for refugees and displaced populations. Sessions will be formatted around cases presented to stimulate discussion and expose different aspects of the topics for discussion. The module coordinator and guest lecturers will address the relevant topics with evidence from the literature as well as personal experiences from the field.

Date	Session	Time
Wednesday March 15, 2017	Session 1	6:00 - 9:00 pm
Wednesday March 22, 2017	Session 2	6:00 - 9:00 pm
Wednesday March 29, 2017	Session 3	6:00 - 9:00 pm

19E: Teaching in International Settings (3 sessions)

Module Coordinator: Dr. Abbas Ghavam-Rassoul

With Guest Lecturers

This module will introduce students to the knowledge, skills and attitudes to teach in international settings, with an emphasis on teaching in clinical settings. Topics will include: adult learning principles, teaching perspectives, self reflective practise, feedback, setting learning objectives and creating learning contracts, cultural perspectives in teaching, assessment and evaluation and teaching in small groups. Sessions will be highly interactive and will model the skills that students are expected to acquire during the module.

Date	Session	Time
Wednesday May 24, 2017	Session 1	6:00 - 8:30 pm
Wednesday June 7, 2017	Session 2	6:00 - 8:30 pm
Wednesday June 14, 2017	Session 3	6:00 - 8:30 pm

GHEI CERTIFICATE PROGRAM CURRICULUM

ELECTIVE MODULES

20E: Nutrition and Food Security (2 sessions)

Module Coordinator: Dr. Daniel Sellen, PhD

Hunger and malnutrition are a major and persistent challenge to global health because they undermine the health of millions of individuals globally each year, and significantly hamper human and economic development. This module will review recent scientific data, national and global policy documents, case studies and generate class debate to strengthen participants' understanding of the central place of nutrition in global health strategies. Participants will learn the multi-faceted causes of hunger, malnutrition and nutrition insecurity, how to measure them in the patient and community, their impact on infectious and chronic disease susceptibility and care, and the relevance of the life-cycle perspective for targeting interventions for improved nutrition of women, young children and other vulnerable groups such as the elderly, poor, socially marginalized, stigmatized and disadvantaged. They will be able to: define and distinguish a variety of concepts, terms and measures, including hunger, hidden hunger, malnutrition, food security, and nutrition security; know the major strengths and weaknesses of a suite of potential context-appropriate interventions to improve nutrition of the individual, household or community, such as therapeutic feeding, supplementation, fortification, food-based, community-based, agricultural, value-chain, and cross-sectoral approaches; and understand the role of nutrition advocacy, policy, strategies, programs and "mainstreaming" in eradicating malnutrition as an underlying determinant of the global burden of illness and death.

Date	Session	Time
Wednesday November 9, 2016	Session 1	7:00 - 9:00 pm
Tuesday November 15, 2016	Session 2	7:00 - 9:00 pm

GHEI CERTIFICATE PROGRAM CURRICULUM

ELECTIVE MODULES

21E: Advocacy and Special Populations (3 sessions)

Module Coordinator: Dr. Philip Berger

Guest Lecturers: Dr. Meb Rashid and Dr. Janet Smylie

This module will address the health disparities experienced by marginalized populations in Canada. The first two sessions will address issues affecting refugees and high-risk immigrants, and will focus on defining the different categories of refugee and internally displaced individuals. We will discuss life before arrival in Canada with particular emphasis placed on risks that predispose newcomers to poor health upon arrival. The second session will focus on refugees, refugee claimants, and immigrants from resource-poor populations post arrival; the integration process and common health conditions common in these populations. The last session will give a broad overview of health issues affecting Aboriginal populations, first by putting it into historical context, and then discussing disparities in the use of health indicators. During this session, we will look at a case study in respiratory infections in Inuit children, define the problems, and look for solutions. This module aims to increase the awareness surrounding the health discrepancies in vulnerable populations within Canada, and will challenge participants to analyze barriers to health and search for solutions.

Date	Session	Time
Tuesday January 3, 2017	Session 1	6:00 - 9:00 pm
Tuesday January 10, 2017	Session 2	6:00 - 9:00 pm
Tuesday January 17, 2017	Session 3	6:00 - 9:00 pm

GHEI CERTIFICATE PROGRAM CURRICULUM

ELECTIVE MODULES

22E: Global Mental Health (3 sessions)

Module Coordinators: Dr. Clare Pain, Dr. Lisa Andermann and Dr. Julie Maggi

Since there can be no health without mental health, it is useful for all health practitioners and policy makers to consider mental health as an inevitable part of their mandate. Mental illness is the largest single cause of disability across the globe, but in most parts of the world stigma and a near-total lack of mental health services causes those with mental illness to be forced to the margins of society. This module will review the worldwide epidemiology of mental illness and co-morbid conditions of addictions, substance use and violence. We will discuss and explore related issues such as causation with regard to the social determinants of health and approaches to services for the treatment of mental illness in low resource settings.

Date	Session	Time
Thursday January 5, 2017	Session 1	6:00 - 9:00 pm
Thursday January 12, 2017	Session 2	6:00 - 9:00 pm
Thursday, January 19, 2017	Session 3	6:00 - 9:00 pm

GHEI CERTIFICATE PROGRAM CURRICULUM

ELECTIVE MODULES

23E: Surgical Skills and Anaesthesia for Global Health (3 sessions)

Module Coordinators: Dr. Andrew Howard and Dr. Greg Silverman

With Guest Lecturers

The first half of this module, designed for surgeons and non-surgeons alike, will review the epidemiology and etiology of important surgical problems in under-resourced and conflict regions. Participants will become familiar with basic and improvised surgical techniques and the setup of basic surgical infrastructure in challenging settings.

This second half of this module will focus on the provision of safe anaesthesia in the developing world. It will give a general overview of several important topics including difficult airway management, anaesthetic equipment, monitors, drugs, blood transfusion, and post-operative analgesia in resource-constricted environments. It is designed for a general audience and will be of use for any medical professional involved in perioperative medicine.

Date	Session	Time
Thursday September 8, 2016	Session 1	6:00 - 9:00 pm
Thursday October 6, 2016	Session 2	6:00 - 9:00 pm
Thursday November 3, 2016	Session 3	6:00 - 9:00 pm

GHEI CERTIFICATE PROGRAM CURRICULUM

ELECTIVE MODULES

24E: Focus on Child Health (3 sessions)

Module Coordinator: Dr. Julie Johnstone and managed by Dr. Andrea Evans in 2016

With Sickkids Team

The Focus on Child Health Module will examine the issues related to global child health from a medical perspective within the current social and political healthcare context. This module will provide a background to the determinants of global child health, paediatric problems seen around the world and paediatric problems unique to developing countries. Importantly, the Child Health Module will also analyze the social and preventative aspects of global child health. Specific topics for discussion will include the Millennium Development Goals, Nutrition, Infectious Diseases, Respiratory Illnesses, and Health Promotion, amongst others. This module will provide participants with the background knowledge necessary to assess the unique situations global health experiences may present when working to improve the health of children around the world.

Date	Session	Time
Thursday November 17, 2016	Session 1	6:00 - 9:00 pm
Thursday November 24, 2016	Session 2	6:00 - 9:00 pm
Thursday December 1, 2016	Session 3	6:00 - 9:00 pm

25E: Health Economics (2 sessions)

Module Coordinators: Dr. Andrew Pinto, Dr. Wanrudee Isaranuwachai, PhD and Dr. Sue Horton, PhD

This module will introduce participants to the basic tools and language of health economics. These will include methods of decision-making using economic evaluation (e.g. cost-effectiveness analysis).

Date	Session	Time
Monday February 27, 2017	Session 1	6:00 - 9:00 pm
Monday April 3, 2017	Session 2	6:00 - 9:00 pm
Monday April 10, 2017	Session 3	6:00 - 9:00 pm

CORE MODULE CONTRIBUTORS

1C: THE CONTEXT OF GLOBAL HEALTH

Dr. Barry Pakes (Module Coordinator)	PGME Lead
Dr. Jim Lavery (PhD)	Emory University
Dr. Diego Bassani (PhD)	SickKids

2C: GLOBAL HEALTH GOVERNANCE AND INFRASTRUCTURE

Dr. Jerome Singh (PhD) (Module Coordinator)	University of KwaZulu-Natal, Durban University of Toronto Dalla Lana School of Public Health and Joint Centre for Bioethics
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3C: ETHICS, RIGHTS AND LAW

Dr. Barry Pakes (Module Coordinator)	
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4C: FUNDAMENTALS OF PUBLIC HEALTH PRACTICE

Dr. Alanna Fitzgerald-Husek (Module Coordinator)	Public Health and Preventive Medicine
Dr. Fareen Karachiwalla	Public Health and Preventive Medicine
Dr. David McKeown	Toronto Public Health
Dr. Peter Donnelly	Public Health Ontario

5C: PRIMARY CARE

Dr. Judy Thompson (Module Coordinator)	St. Joseph's Health Centre
Dr. Leslie Shanks	Inner City Health Associates, (formerly with) Médecins Sans Frontières – Amsterdam
Ms. Nada Sidani, (RN)	Refugee Health Advocate
Dr. Ben Chan	University of Toronto, Institute for Health Policy, Management and Evaluation
Dr. Sumeet Sodhi	Dignitas International

6C: PREPARING YOURSELF FOR GLOBAL HEALTH FIELDWORK

Dr. Kevin Chan
(Module Coordinator)

Janeway Children's Health Centre, St. John's, Newfoundland

Dr. Raghu Venugopal

University Health Network and Médecins Sans Frontières Canada

7C: POST-TRAVEL DEBRIEFING

Dr. Barry Pakes
(Module Coordinator)

8C: CROSS CULTURAL COMMUNICATION

Dr. Kerry Bowman (PhD)
(Module Coordinator)

Mt. Sinai Hospital

9C: NON-COMMUNICABLE DISEASES

Dr. John Kirton (PhD)

Munk School of Global Affairs

Dr. Becky Carpenter

Munk School of Global Affairs

Ms. Caroline Bracht (MEd)

Munk School of Global Affairs

Dr. Naheed Dosani

William Osler Health System and Inner City Health Associates

Dr. Kwame McKenzie

Wellesley Institute and Centre for Addiction and Mental Health

ELECTIVE MODULE CONTRIBUTORS

10E: INFECTIOUS DISEASES IN THE DEVELOPING WORLD

Dr. Andrea Boggild (Module Coordinator)	Toronto General Hospital
Dr. Isaac Bogach	University Health Network
Dr. Ashna Bowry	St. Michael's Hospital
Dr. Malika Sharma	Maple Leaf Medical Clinic University Health Network
Dr. Andrea Page	Mt. Sinai Hospital
Dr. Shaun Morris	Sickkids
Dr. Kevin Schwartz	Sunnybrook Health Sciences Centre
Dr. Hemant Shah	University Health Network
Dr. Courtney Thompson	Department of Infectious Disease, University of Toronto

11E: INNOVATIVE HEALTH SERVICE DELIVERY MODELS IN GLOBAL HEALTH

Raman Sohal MBA, PhD[c] (Module Coordinator)	University of Toronto, Health Organization, Performance Evaluation Team
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12E: INNOVATION AND TECHNOLOGY IN GLOBAL HEALTH

Dr. Helen Dimaras (PhD) (Module Coordinator)	Toronto Western Research Institute SickKids
Dr. Jan Andrysek (PhD)	Holland Bloorview Kids Rehabilitation Hospital
Dr. Dominique McMahon (PhD)	Grand Challenges Canada
Mr. James Fraser (MPA)	Chipcare Corporation

13E: THE ENVIRONMENT AND HEALTH

Dr. Kerry Bowman, (PhD) (Module Coordinator)	
Dr. James Orbinski (Module Coordinator)	Waterloo University, Wilfred Laurier University and University of Toronto

14E: PROGRAM PLANNING AND EVALUATION

Dr. Adrienne Chan (Module Coordinator)	Sunnybrook Health Sciences Centre Dignitas International
Dr. Lisa Puchalski Ritchie	University Health Network
Dr. Sumeet Sodhi	Dignitas International

15E: RESEARCH IN THE DEVELOPING WORLD

With guest lecturers

16E: COMPLEX HUMANITARIAN EMERGENCIES

Mr. Chris Houston (Module Coordinator)	Risk Management Expert and Board Member, Médecins Sans Frontières Canada
Dr. Mahmood Elahi	Canadian Red Cross, Queen's University and Islington Medical Centre
Dr. Leslie Shanks	Inner City Health Association, (formerly with) Médecins Sans Frontières – Amsterdam
Dr. Tim Jagatic	Médecins Sans Frontières Canada
Ms. Daphne Hemily	Project Management and Humanitarian Response Expert Médecins Sans Frontières Canada

17E: HEALTH AND HUMAN RIGHTS

Ms. Laura Brittain (J.D.) (Module Coordinator)	Legal Aid Ontario
Mr. Samer Muscati (J.D., LL.M.)	University of Toronto, Faculty of Law
Professor Audrey Macklin (LL.B , LL.M.)	University of Toronto, Faculty of Law
Angela Lytle (MEd, PhD[c])	Ontario Institute for Studies in Education Women's Human Rights Education Institute
Ms. Erin Hallock (J.D.)	McMahon Morrison Watts Labour & Employment Law Ontario
Mr. John Norquay (J.D.)	Legal Aid Ontario

GLOBAL HEALTH EDUCATION INITIATIVE (GHEI)

Global Health Certificate Program for Medical Residents

LOCAL TRAINING: GLOBAL IMPACT

September 2016 - June 2017

18E: GLOBAL REPRODUCTIVE HEALTH

Dr. Rachel Spitzer
(Module Coordinator) Mt. Sinai Hospital

19E: TEACHING IN INTERNATIONAL SETTINGS

Dr. Abbas Ghavam-Rassoul St. Michael's Hospital
(Module Coordinator)

Dr. Clare Pain Mt. Sinai Hospital
Toronto Addis Ababa Academic Collaboration

Dr. Praseedha Janakiram Women's College Hospital Crossroads Clinic

20E: NUTRITION AND FOOD SECURITY

Dr. Daniel Sellen (PhD) University of Toronto, Anthropology, Nutritional Sciences
(Module Coordinator) Dalla Lana School of Public Health

21E: ADVOCACY AND SPECIAL POPULATIONS

Dr. Philip Berger St. Michael's Hospital
(Module Coordinator)

Dr. Meb Rashid Women's College Hospital Crossroads Clinic

Dr. Janet Smylie St. Michael's Hospital

Dr. Andrew Pinto St. Michael's Hospital

22E: GLOBAL MENTAL HEALTH

Dr. Clare Pain Mt. Sinai Hospital and Toronto Addis Ababa Academic Collaboration
(Module Coordinator)

Dr. Julie Maggi St. Michael's Hospital
(Module Coordinator)

Dr. Lisa Andermann Mt. Sinai Hospital
(Module Coordinator)

23E: SURGICAL SKILLS AND ANAESTHESIA FOR GLOBAL HEALTH

Dr. Andrew Howard (Module Coordinator)	SickKids
Dr. Greg Silverman (Module Coordinator)	Mt. Sinai Hospital
Dr. Georges Azzie	SickKids
Dr. Ted Gerstle	SickKids
Dr. Mark Bernstein	University Health Network

24E: FOCUS ON CHILD HEALTH

Dr. Julie Johnstone (Module Coordinator)	SickKids
Dr. Dan Magnus	SickKids
Dr. Andrea Hunter	McMaster University
Dr. Ashley Vandermorris	SickKids
Dr. Shaun Morris	SickKids
Dr. Andrea Evans	SickKids
Dr. Zulfiqar Bhutta	SickKids
Dr. Natasha Crowcroft	Public Health Ontario

25E: HEALTH ECONOMICS

Dr. Andrew Pinto (Module Coordinator)	St. Michael's Hospital
Dr. Wanrudee Isaranuwatchai (PhD) (Module Coordinator)	St. Michael's Hospital
Dr. Sue Horton (PhD)	University of Waterloo

GLOBAL HEALTH EDUCATION INITIATIVE (GHEI) ADMINISTRATION

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