

Research Course 2024 Schedule																	Week 1															
MONDAY: 21-Oct-24 - In Person					TUESDAY: 22-Oct-24				WEDNESDAY: 23-Oct-24				THURSDAY: 24-Oct-24			FRIDAY: 25-Oct-24 - In-Person																
Time	Time/Location	Speaker	Topic	Objectives	Time/Location	Speaker	Topic	Objectives	Time/Location	Speaker	Topic	Objectives	Time	Speaker	Topic	Time/Location	Speaker	Topic	Objectives													
08:00																																
08:15																																
08:30																																
08:45																																
09:00																																
09:15																																
09:30	09:30-10:00 CR4	Course Committee	Welcome/ Define Expectations/ Objectives	1) Overview of Process 2) Course Expectations *only mandatory for residents who haven't attend before	09:30-11:00 Zoom ID: 997 5706 6302	Dr. Grace Kwong	Study Design and Analysis: Types of Data	1) Types of data a) Categorical (nominal, ordinal) b) Numerical (discrete, interval) 2) Measures of central tendency 3) Data Presentation and Graphical Analysis	08:30-09:30	Grand Rounds Zoom/Auditorium - Need to Register to attend Zoom Dr. Jessica Dunn - Congenital CMV: What Pediatricians Need to Know			Work on Project Meet with Supervisor (book 1 hour meeting in advance)	09:30-12:00 CR4	Dr. Katie Chaput	Qualitative Research Methods																
09:45	10:00-10:30 CR4	Researcher Panel	Why you might want to consider a career in Academic Medicine	Ask your questions!					09:30-11:00 Zoom ID: 965 8602 5208	Dr. Gerry Giesbrecht	Study Design and Analysis: Statistics Lecture	1) The logic and use of statistics 2) Sampling Distributions - The normal distribution - Confidence intervals 3) Estimation and Hypothesis testing - Difference of Means 4) Power and Sample Size									1) To understand common qualitative methods and their application in health research 2) To develop sensitivity to the ethical issues in analyses and reporting of qualitative data 3) To understand the utility and methods for incorporating qualitative inquiry into mixed method studies											
10:00	10:00-10:30 CR4	Researcher Panel	Why you might want to consider a career in Academic Medicine	Ask your questions!	11:00-12:00 Zoom ID: 965 8602 5208	Dr. Jennifer Thull-Freedman	Quality Improvement Methodology	This session will provide learners with a basic understanding of how to plan a quality improvement project including: 1) What it is 2) How QI projects are organized? 3) How are ethical considerations addressed? 4) How is data analyzed and presented? 5) What factors should be considered in planning a publication in QI?			Resident Academic Half Day	13:30-15:00									Small Group	Session 2 Group 1: ZOOM Group 2: CR7 Group 3: CR8 Group 4: ZOOM Group 5: CR10										
10:15	10:30-12:00 CR4	Caitlin McClurg	Searching the Medical Literature for Evidence Based Practice	Need Unicaid Objectives: 1) Awareness of available library services and tools through Libraries & Cultural Resources; 2) Discover more about predatory publishers; 3) Identify different literature review types; 4) Formulate a research question; 5) Uncover distinct elements of their research topic using question frameworks; 6) Engage with OVID Medline					Lunch and work on project																			12:00-12:30	EPIQ Planning Session	Pre-workshop material overview and Group Project selection	Lunch	
10:30									Lunch and work on project																							
10:45					Lunch and work on project																											
11:00					Lunch and work on project																											
11:15					Lunch and work on project																											
11:30					Lunch and work on project																											
11:45					Lunch and work on project																											
12:00					Lunch and work on project																											
12:15					Lunch and work on project																											
12:30					Lunch and work on project																											
12:45					Lunch and work on project																											
13:00	13:00-14:00 CR4	Dr. Adam Kirton	How to Define a Research Question	1) How to write a clear research question 2) Give a checklist to help define research focus 3) Refine and improve YOUR research question	13:00-14:30 Zoom ID: 997 5706 6302	Janet Aucoin	Study Design and Analysis: Overview of Design	Overview of study designs 1) Descriptive studies 2) Analytic Studies 3) Break 4) Classifying study designs exercise 5) Report back to group																								
13:15					Lunch and work on project																											
13:30					Lunch and work on project																											
13:45					Lunch and work on project																											
14:00					Lunch and work on project																											
14:15					Lunch and work on project																											
14:30	14:00-15:30	Small Group	Session 1 Small Group 1: CR5 Small Group 2: CR7 Small Group 3: CR8 Small Group 4: CR9 Small Group 5: CR10	Focus on getting acquainted and critiquing each other's research question/project aim	14:30-16:00 Zoom ID: 965 8602 5208	Jessalyn Holodinsky & Khara Sauro	Study Design and Analysis: Observational Studies	1) Principles of observational studies 2) Overview of case control studies 3) Overview of cohort studies 4) Reporting guidelines for observational and case control studies																								
14:45									Lunch and work on project																							
15:00					Lunch and work on project																											
15:15					Lunch and work on project																											
15:30					Lunch and work on project																											
15:45					Lunch and work on project																											
16:00					Lunch and work on project																											
16:15					Lunch and work on project																											
16:30					Lunch and work on project																											
16:45					Lunch and work on project																											
17:00					Lunch and work on project																											

Research Course 2024 Schedule																			Week 2			
MONDAY: 28-Oct-24 - In Person					TUESDAY: 29-Oct-24					WEDNESDAY: 30-Oct-24					THURSDAY: 31-Oct-24			FRIDAY: 1-Nov-24				
Time	Time/Location	Speaker	Topic	Objectives	Time/Location	Speaker	Topic	Objectives	Time/Location	Speaker	Topic	Objectives	Time	Speaker	Topic	Time/Location	Speaker	Topic	Objectives			
08:00	08:30-14:30 (Includes break and 30 minute lunch)	EPIQ Group Dr. Ayman Abou Mehran	EPIQ Workshop	The EPIQ Workshop aims to train physicians and other healthcare providers in quality improvement methods using hands-on approach that enables teams to implement quality improvement together. In this workshop you will learn: 1) Why improvement science is valuable in health care and everyday life. 2) Gain expertise on the QI process and understand how to implement it in your context. 3) Establish a stronger understanding of your opportunities for change. 4) Break down implementation into achievable steps. 5) Get a handle on the logistics: plans, team creation, measurement, and more.	08:30-09:30 Zoom ID: 915 3711 6221	Dr. Mary Dunbar	Study Design and Analysis: Diagnostic Studies	1) Understand the issues in the evaluation of a diagnostic test; 2) Appreciate components of evaluating test performance: 3) Precision and accuracy 4) Sensitivity and specificity - likelihood ratio/ positive and negative predictive values/ receiver operating characteristic (ROC) curves/ additional factors: cost, availability, acceptability, utility	08:30-09:30	Grand Rounds Zoom/Auditorium - Need to Register to attend Zoom Dr. Nicole Johnson			Work on Project Meet with Supervisor (Book 1 hour meeting in advance)	Work on Project/Meet with Supervisor								
08:15					Break																	
08:30					10:00-11:30 Zoom ID: 915 3711 6221	Dr. Khorshid Mohammad & Dr. Jennifer Thull-Freedman	A Guide to Paper Writing	1) To review the specific prep-work required to get started on scientific manuscript writing 2) To conceptualize and structure the core components of scientific manuscripts including text and tables/figures 3) To build a transferable, fool-proof recipe for manuscript writing for people with multiple responsibilities (i.e. working parents) and little time	09:30-11:00 Zoom ID: 935 7940 1275	Dr. Mohamed Eltorki	Systematic Review/Meta Analysis	1) Understand different types of reviews 2) Develop a framework on how to conduct a systematic review 3) Brief overview of a meta-analysis and its interpretation		Work on Project/Lunch								
08:45					Lunch																	
09:00					Work on Project																	
09:15					Work on Project																	
09:30					Work on Project																	
09:45					Work on Project																	
10:00					Work on Project																	
10:15					Work on Project																	
10:30					Work on Project																	
10:45					Work on Project																	
11:00					Work on Project																	
11:15					Work on Project																	
11:30					Work on Project																	
11:45					Work on Project																	
12:00					Work on Project																	
12:15	Work on Project																					
12:30	Work on Project																					
12:45	Work on Project																					
13:00	Work on Project																					
13:15	Work on Project																					
13:30	Work on Project																					
13:45	Work on Project																					
14:00	Work on Project																					
14:15	Work on Project																					
14:30	Work on Project																					
14:45	Work on Project																					
15:00	Work on Project																					
15:15	Work on Project																					
15:30	Work on Project																					
15:45	Work on Project																					
16:00	Work on Project																					
16:15	Work on Project																					
16:30	Work on Project																					
16:45	Work on Project																					
17:00	Work on Project																					
ASSIGNMENT 1 DUE																						
Assignment 1: Research Question/Project Aim, Hypothesis and Objectives Must be handed in via email by 1700 to: 1) Your Small Group Preceptors 2) Your project supervisor 3) Course coordinator (jdlene.haddad@ahs.ca)																						

Research Course 2024 Schedule																	Week 3																						
MONDAY: 4-Nov-24				TUESDAY: 5-Nov-24				WEDNESDAY: 6-Nov-24				THURSDAY: 7-Nov-24			FRIDAY: 8-Nov-24																								
Time	Time/Location	Speaker	Topic	Objectives	Time/Location	Speaker	Topic	Objectives	Time/Location	Speaker	Topic	Objectives	Time	Speaker	Topic	Objectives																							
08:00	Work on Project/Meet with Supervisor								Poster Title Due				Work on Project Meet with Supervisor (Book 1 hour meeting in advance)																										
08:15																																							
08:30																																							
08:45																																							
09:00																																							
09:15																																							
09:30																																							
09:45																																							
10:00																																							
10:15																																							
10:30																																							
10:45																																							
11:00																																							
11:15																																							
11:30																																							
11:45																																							
12:00	Break				10:30-11:30 Zoom ID: 975 5623 5149				Dr. Serena Orr	Peer Review <i>Read the provided article before this session</i>	1) To gain insight into the peer review process 2) To gain insight into the editorial process 3) To develop an approach to critical appraisal skills and practice using a case-based example		Work on Project																										
12:15																																							
12:30																																							
12:45																																							
13:00	Work on Project/Meet with Supervisor				Break				Lunch and Work on Project								Resident Academic Half Day																						
13:15																																							
13:30																																							
13:45																																							
14:00																																							
14:15																																							
14:30																					13:00-14:30	Small Group	Session 4 Small Group 1: Zoom ID Small Group 2: Zoom ID Small Group 3: Zoom ID Small Group 4: Zoom ID Small Group 5: Zoom ID	1) Discussion of each member's project focusing on analysis and sample size calculation 2) Assistance with sample size calculations and analysis 3) Select a resident to present their research idea for discussion of ethical implication for Ethical Issues lecture	Work on Project				11:00-12:00 Zoom ID: 975 1772 7688				Dr. Adam Kirton	Presenting your results	1) Identify key elements of a great presentation 2) Develop strategies for effectively communicating research ideas and results 3) Apply these principles to your research project				
14:30																																							
14:45																																							
15:00																					14:30-15:30	Dr. Gerry Giesbrecht	Creating Posters: The good, the bad and the ugly	Basics of what to include on a research poster and tips on presenting															
15:15																																							
15:30													Work on Project																				13:30-15:00 Zoom ID: 975 5623 5149				Dr. Marinka Twilt	Survey Design/Analysis	Discuss and learn about: 1) Purpose of surveys 2) Survey Design Process 3) Distribution of surveys
15:45																																							
16:00																																							
16:15																																							
16:30																																							
16:45																																							
17:00	ASSIGNMENT 2 DUE																ASSIGNMENT 3 DUE																						

Assignment 2: Background, Methods, and Outcome Measures
 Must be handed in via email by 1700 to:
 1) Your Small Group Preceptors
 2) Your project supervisor
 3) Course coordinator (jolene.haddad@ahs.ca)

Assignment 3: Sample size considerations and statistical analysis
 Must be handed in via email by 1700 to:
 1) Your Small Group Preceptors
 2) Your project supervisor
 3) Course coordinator (jolene.haddad@ahs.ca)

Research Course 2024 Schedule

Week 4

MONDAY: 11-Nov-24 - STAT				TUESDAY: 12-Nov-24 In-Person				WEDNESDAY: 13-Nov-24			THURSDAY: 14-Nov-24 - In-Person - Please see detailed schedule once avail.				FRIDAY: 15-Nov-24													
Time	Speaker	Topic	Objectives	Time/Location	Speaker	Topic	Objectives	Time/Location	Speaker	Topic	Time/Location	Speaker	Topic	Details	Time	Speaker	Topic											
08:00	Remembrance Day STAT							FINAL POSTER DUE																				
08:15																												
08:30																												
08:45																												
09:00																												
09:15																												
09:30																												
09:45																												
10:00																												
10:15																												
10:30								10:30-12:00 CR4	Linda Longpre	Conducting Research - Requirements for CHREB and AHS Approvals									1) Practical session on how to submit an ethics application online using the IRISS platform 2) Overview of the process/requirements for obtaining approval to conduct research using AHS resources	Work on Project	Grand Rounds			08:30-09:30	Zoom/Auditorium - Need to Register to attend Zoom Dr. Stephen Freedman & Dr. Silviu Grisaru	8:45-10:30 CR3	ACHRI TA Chair	ACHRI Trainee Association Intro
10:30																					CIP rep	CIP Intro						
10:45																					ENRICH Rep	ENRICH Intro						
11:00								Keynote Speaker:	Dr. Adam Cheng																			
11:15								Coffee Break											Presentation format: 7 min summary presentation, 3 minutes for questions (10 min per poster)									
11:30								10:40-11:30 CR 2-4		Poster Presentations Session 1											Break							
11:45								11:45-12:35 CR 2-4		Poster Presentations Session 2											Lunch							
12:00	Work on Project/Poster				13:45-14:45 CR 2-4		Poster Presentations Session 3 - Senior Peds Residents																					
12:15	Work on Project/Poster				Coffee Break																							
12:30	Work on Project/Poster				15:00-16:30 CR 3		Senior Resident/Fellows Oral Presentations																					
12:45	Work on Project/Poster																											
13:00	Work on Project/Poster																											
13:15	Work on Project/Poster																											
13:30	Work on Project/Poster																											
13:45	Work on Project/Poster																											
14:00	14:00-15:30		Small Group	Session 5				Work on Project	Senior Resident Presentation format: 10 min summary presentation, 5 minutes for questions (15 min per presentation)																			
14:15				Small Group 1: CR5																								
14:30				Small Group 2: CR C4-505																								
14:45				Small Group 3: CR C4-426																								
15:00				Small Group 4: CR9																								
15:15	Small Group 5: CR10	Practice Poster presentations, provide feedback Have draft of poster ready to present																										
15:30	Work on Project/Poster																											
15:45	Work on Project/Poster																											
16:00	Work on Project/Poster																											
16:15	Work on Project/Poster																											
16:30	Work on Project/Poster																											
16:45	Work on Project/Poster																											
17:00	Work on Project/Poster																											

Finish up Project:
Final Assignment Due
Small Research Grant Applications Due

PROJECT DUE

Poster must be emailed by 0830 to Course Coordinator (jolene.haddad@ahs.ca)

Project: Research Proposal ready for submission to ethics board/scientific review
Must be handed in via email by 1700 to:
1) Your Small Group Preceptors
2) Your project supervisor
3) Course coordinator (jolene.haddad@ahs.ca)