

Research Course 2023 Schedule																		Week 1	
MONDAY: 23-Oct-23 - In Person					TUESDAY: 24-Oct-23				WEDNESDAY: 25-Oct-23				THURSDAY: 26-Oct-23			FRIDAY: 27-Oct-23			
Time	Time	Speaker	Topic	Objectives	Time	Speaker	Topic	Objectives	Time	Speaker	Topic	Objectives	Time	Speaker	Topic	Time	Speaker	Topic	Objectives
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09:30	09:30-10:00	Course Committee	Welcome/ Define Expectations/ Objectives	1) Overview of Process 2) Course Expectations **only mandatory for residents who have not attended the Welcome Session previously	09:30-11:00	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	09:30-11:00	Dr. Gerry Giesbrecht	Study Design and Analysis: Statistics Lecture	Statistics lecture 1) Hypothesis testing and estimation (emphasis on estimation and CI's) 2) Proportions (1 and 2 sample) 3) Means (1 and 2 sample)	Work on Project Meet with Supervisor (book 1 hour meeting in advance)	09:30-12:00	Zoom ID: 939 6478 8939	Dr. Katie Chaput	Qualitative Research Methods	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 methods studies	
09:45	10:00-10:30	Researcher Panel	Why you might want to consider a career in Academic Medicine	Ask your questions!															
10:00	10:00-10:30	Researcher Panel	Why you might want to consider a career in Academic Medicine	Ask your questions!															
10:15	10:30-11:30	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) Give child health examples of research questions	Break				11:00-12:00	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 is quality improvement science and how is it different from research?; 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?							
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13:00	12:30-14:00	Caitlin McClurg	Searching the Medical Literature for Evidence Based Practice	Need Unicaard 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	Break														
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14:30	14:00-15:30	Small Group	Session 1 Small Group 1: CR8 Small Group 2: CR9 Small Group 3: CR5 Small Group 4: CR10 Small Group 5: CR13 Small Group 6: CR14	Focus on getting acquainted and critiquing each other's research question/project aim	13:00-14:30	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	Lunch										
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Research Course 2023 Schedule																			Week 2					
MONDAY: 30-Oct-23 - In Person					TUESDAY: 31-Oct-23					WEDNESDAY: 1-Nov-23				THURSDAY: 2-Nov-23			FRIDAY: 3-Nov-23							
Time	Time	Speaker	Topic	Objectives	Time	Speaker	Topic	Objectives	Time	Speaker	Topic	Objectives	Time	Speaker	Topic	Time	Speaker	Topic	Objectives					
08:00	08:00-14:30 (Includes break and 30 minute lunch) Auditorium/ Telus Theatre	EPIQ Group Dr. Ayman Abou Mehram	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.									Work on Project Meet with Supervisor (Book 1 hour meeting in advance)											
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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 (jolene.haddad@ahs.ca)

Research Course 2023 Schedule																								
MONDAY: 6-Nov-23 - In Person					TUESDAY: 7-Nov-23				WEDNESDAY: 8-Nov-23				THURSDAY: 9-Nov-23			FRIDAY: 10-Nov-23								
Time	Time	Speaker	Topic	Objectives	Time	Speaker	Topic	Objectives	Time	Speaker	Topic	Objectives	Time	Speaker	Topic	Time	Speaker	Topic	Objectives					
08:00	Work on Project								Poster Title Due				Work on Project Meet with Supervisor (Book 1 hour meeting in advance)											
08:15																	08:30-09:30 Grand Rounds							
08:30									09:00-10:30 Zoom ID: 931 3268 7296 Dr. Karen Kam Zoom ID: Introduction to Health Economics 1) Why is health economics alongside clinical research useful? 2) Introduction to costing studies 3) Introduction to measuring benefits for economic studies 4) Combining costs and outcomes to aid in decision making															
08:45																					10:00-11:00 CR4 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			
09:00																								
09:15	11:00-12:45 Lunch and Work on Project																							
09:30					12:00-14:00 Zoom ID: 931 3268 7296 Dr. Julie Lauzon & Dr. Stacey Page Ethical Issues: 1) Health Information Act 2) Ethics and Research Required Reading: TCPS – statement and tutorial - https://tcps2core.ca/welcome For the required reading portion, Dr. Lauzon requires that each participant MUST submit the certificate once the tutorial is completed. Each small group must select one resident to present their research idea for discussion of ethical implications.																			
09:45	13:00-14:30 Small Group Session 4 Small Group 1: CR4 Small Group 2: CR9 Small Group 3: CR5 Small Group 4: CR10 Small Group 5: CR13 Small Group 6: CR14 1) Discussion and assistance of each member's project focusing on analysis and sample size considerations 2) Budget issues, ethical issues and remaining methodological and analysis challenges 3) Select a resident to present their research idea for discussion of ethical implication for Ethical Issues Lecture																							
10:00					14:00-15:30 Zoom ID: 931 3268 7296 Dr. Adam Kirton Presenting your results: 1) Writing an abstract 2) Putting together a 10 minute platform presentation 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																			
10:15	15:00-16:30 Zoom ID: 935 7935 4984 Dr. Marinka Twilt Survey Design/Analysis Discuss and learn about: 1) Purpose of surveys 2) Survey Design Process 3) Distribution of surveys																							
10:30					15:30-17:00 CR4 Dr. Adam Kirton Practical Tips for Recruitment 1) Selecting your participants 2) Recruitment procedures 1) Develop the ability to select a sample population. 2) Optimize recruitment plan for your study. 3) Demonstrate the feasibility of your recruitment plan.																			
10:45	15:00-16:30 Zoom ID: 935 7935 4984 Dr. Katie Chaput Extra Qualitative Session *Only residents doing qualitative studies																							
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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 2023 Schedule														Week 4											
MONDAY: 13-Nov-23 - STAT					TUESDAY: 14-Nov-23 In-Person				WEDNESDAY: 15-Nov-23			THURSDAY: 16-Nov-23 - In-Person - Please see detailed schedule once avail.				FRIDAY: 17-Nov-23									
Time	Speaker	Topic	Objectives	Time	Speaker	Topic	Objectives	Time	Speaker	Topic	Time	Speaker	Topic	Details	Time	Speaker	Topic								
08:00	Remembrance Day STAT in Lieu	Work on Project/Poster				Work on Project				<p style="text-align: center;">FINAL POSTER DUE</p> <p style="text-align: center;">08:30-09:30 <u>Grand Rounds</u> Need to Register to attend Zoom</p>				<p style="text-align: center;">8:45-10:30 Auditorium</p> <p>Dr. Maitreyi Raman CIP Intro</p> <p>Meghan Maiani ACHRI Trainee Association Intro</p> <p>Carly McMorris ENRICH Intro</p> <p>Keynote Speaker: Dr. Susa Benseler TBA</p> <p style="text-align: center;"><i>Break</i></p> <p>10:40-11:30 Auditorium/ CR13/ CR14 Poster Presentations Session 1</p> <p style="text-align: center;"><i>Break</i></p> <p>11:40-12:30 Auditorium/ CR13/ CR14 Poster Presentations Session 2</p> <p style="text-align: center;"><i>Lunch</i></p> <p>13:15-14:05 Auditorium/ CR13/ CR14 Poster Presentations Session 3 - Senior Peds Residents</p> <p style="text-align: center;"><i>Coffee Break</i></p> <p>14:15-16:00 Auditorium Senior Resident/Fellows Oral Presentations</p> <p>Senior Resident Presentation format: 10 min summary presentation, 5 minutes for questions (15 min per presentation)</p>				<p style="text-align: center;">Finish up Project: Final Assignment Due Small Research Grant Applications Due</p>							
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14:00					14:00-15:30	Small Group	Session 5 Small Group 1: CR8 Small Group 2: CR9 Small Group 3: CR5 Small Group 4: CR10 Small Group 5: CR13 Small Group 6: CR14	Practice Poster presentations, provide feedback Have draft of poster ready to present																	
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Poster must be emailed by 0830 to Course Coordinator (jolene.haddad@ahs.ca)

PROJECT DUE

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)