Research Course 2024 Schedule  MONDAY: 21-0ct:24 - In Person  TUESDAY: 22-0ct:24  WEDNESDAY: 23-0ct:24													Week 1				
			MONDAY: 21-0	Oct-24 - In Person			TUESDAY: 22-Oct-2	1		THURSDAY: 24-Oct-24 FRIDAY: 25-Oct-24 - In-Person							
Time	Time	Speaker	Topic	Objectives	Time	Speaker	Topic	Objectives	Time	Speaker	Topic	Objectives	Time Speaker Topi	c Time	Speaker	Topic	Objectives
08:00 08:15 08:30 08:45 09:00 09:15									08:30-09:30	0		Grand Rounds  Need to Register to attend Zoom					
09:30 09:45 10:00 10:15	09:30-10:00 CR4 10:00-10:30 CR4	Course Committee Researcher Panel	Welcome/ Define Expectations/ Objectives  Why you might want to consider a career in Academic Medicine	Overview of Process 2] Course Expectations     "only mandatory for residents who have not attended the Welcome Session previously     Ask your questions!	09:30-11:00 Zoom ID:	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	09:30-11:00 Zoom ID:	Dr. Gerry Giesbrecht	Study Design and Analysis: Statistics Lecture	Statistics lecture 1) Hypothesis testing and estimation (emphasis on estimation and Cl's) 2) Proportions (1 and 2 sample)	Work on Project  Meet with Supervisor (book 1 hour meeting in advance)			To understand common qualitative methods and their application in health research	
10:30 10:45 11:00	10:30-12:00	0-12:00 Caitlin Searching the Medical Literature	Searching the Medical Literature for	Need Unicard Objectives: 1) Awareness of available library services and tools through Libraries & Cultural Resources			Data	Data Presentation and Graphical Analysis			Lecture	3) Means (1 and 2 sample)		09:30-12:00 CR4	Dr. Katie Chaput	Qualitative Resea Methods	ch 2) To develop sensitivity to the ethical issues in analyses and reporting of qualitative data 3) To understand the utility and methods for
11:15	CR4			11:00-12:00 Quality Improvement colonce and how is it different from research?, 2) than (1) projects are organized?, 3) to		This session will provide learners with a basic undestanding of how to plan a quality improvement project notating; I) What it is quality improvement science and how is different from research? (2-New O) projects are opposized? 3) How are chical considerations addressed? (4) How is data analyzed and presented?, 5) What factors should be considered in planning a publication in Q?					incorporating qualitative inquiry into mixed method studies						
12:00	12:00										EPIQ Planning Session	Pre-workshop material overview and Group Project selection					
11:30 11:45 12:00 12:15 12:30 12:45 13:00 13:15 13:30 13:45	13:00-14:00 CR4	CP4 Kirton Question 2) Give a checklist to help define research focus				lanet Aussia	Study Design and			Lunch and work on Project		Lunch Session 2					
13:45 14:00 14:15 14:30	14:00-15:30	Small Group	Session 1 Small Group 1: CR5 Small Group 2: CR7	Give child health examples of research questions  Focus on getting acquainted and critiquing each other's research	Zoom ID:	Janet Aucoin	Analysis: Overview of Design	Break     Classifying study designs exercise     Report back to group					Resident Academic Half Day	13:30-15:00	Small Group	Small Group 1: CR5	Refine research question     Outline/discuss hypothesis, objectives     Clarify options for research design
14:00 14:15 14:30 14:45 15:00 15:15 15:30 15:45 16:00 16:15 16:30 16:45		5:30 Small Group 2: CR7 Small Group 3: CR8 Small Group 4: CR9 Small Group 5: CR10 Small Group 5: CR10					Work on project			minutes Zoom ID: Holodinsky & Analysis: Observational Studies		Potential objectives:  1) Principles of observational studies  2) Overview of case control studies  3) Overview of control studies  3) Overview of control studies  4) Reporting guidelines for observational and case control studies			Work on Project		roject
16:15 16:30 16:45 17:00																	

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							Research	Course 2024 Schedule					We						
		MO	NDAY: 28-Oct-24	- In Person				TUESDAY: 29-Oct-24			WEDNESDA	Y: 30-Oct-24	THURSDAY: 31-Oct-24			FRIDA	Y: 1-Nov-24		
Time	Time	Speaker	Topic	Objectives	Time	Speaker	Topic	Objectives	Time	Speaker	Topic	Objectives	Time Speaker Topic	c Time	Speaker	Topic	Objectives		
08:00 08:15 08:30 08:45 09:00 09:15				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	08:30-09:30 Zoom ID:			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 specificly—likelihood ratior positive and negative predictive values/ receiver operating characteristic (ROC) curves/ additional factors: cost, availability, acceptability, utility	08:30-09:30	08:30-09:30		Grand Rounds Register to attend Zoom		Work on Project/Meet with Supervisor					
09:30				workshop you will learn:  1) Why improvement science is			I.	Break				Understand different types of reviews	Work on Project Meet with Supervisor						
	08:00-14:30 (Includes reak and 30	EPIQ Group		valuable in health care and everyday life. 2) Gain expertise on the QI process and understand how to implement it in	10:00-11:30 Zoom ID:	Jennifer	A Guide to Pape 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	09:30-11:00 Zoom ID:	Dr. Mohamed Eltorki	Systematic Review/Meta Analysis	Develop a framework on how to condi systematic review     Brief overview of a meta-analysis and interpretation	(Book 1 hour meeting in	10:00-11:00 Zoom	Brandi Povit	tz Where to start	3) Budget Justification		
11:00	ninute lunch)	Dr. Ayman	EPIQ Workshop	your context. 3) Establish a stronger understanding		Thull- Freedman		responsibilities (i.e. working parents) and little time						11:00-11:15	Ashton Chug	gh DoP Research Resource	Resources and Funding Opportunities - PEDS residents only		
11:30 11:45 12:00	Auditorium/ elus Theatre	Abou Mehram		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.				Lunch		Work on Project/Lunch		oject/Lunch		Lunch					
12:15 12:30 12:45 13:00 13:15 13:30 13:45 14:00				Registration information to come	13:00-14:00 Dr. Essentials of Grant Eltorki Writing/Pitfalls			Developing a Research Proposal.	Zoom ID: Kaur Administrative Data 2) C			2) Consider health record audits but ensithey are reasonable in scope		13:00-14:30 Zoom ID:	Dr. Stephen Wilton	Study Design and Analysis: Randomized Controlled Trials	Randomized controlled trials  1) Principles of design and threats to validity  2) Exercise on study design – single topic  3) Break (15 minutes)  4) Report back to group		
14:15									Break			Resident Academic Half				5) Principles of analysis with review of results section from article			
14:30 14:45 15:00 15:15 15:30 15:45 16:00 16:15 16:30 16:45 17:00	0 5 0 5 0 0 5 0 0 5 0 0 5										Session 3 200h ID's Group 1: Group 2: Group 2: Group 4: Group 4: Group 5: Group 6:			Work on Project					

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)

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	Research Course 2024 Schedule  MONDAY: 4-Nov-24  TUESDAY: 5-Nov-24  WEDNESDAY: 6-Nov-24  THU															Week 3
			MONDA	Y: 4-Nov-24				TUESDAY: 5-Nov-24			WEDNESDAY: 6-Nov-24		THURSDAY: 7-Nov-24		24	
Time	Time	Speaker	Topic	Objectives	Time	Speaker	Topic	Objectives	Time	Time Speaker Topic Objectives				Time Speaker	Topic	Objectives
08:00 08:15 08:30										Poster Title Due						
08:30 08:45 09:00 09:15					09:00-10:30	Dr. Gillian	Introduction to	Why is health economics alongside clinical research useful?     Introduction to costing studies	08:30-09:30		Grand Rounds		Work on Project			
09:45 10:00 10:15	09:30 09:45 10:00 10:15						Health Economics	Introduction to measuring benefits for economic studies     Combining costs and outcomes to aid in decision making			Work on Project					
10:30 10:45 11:00 11:15								Break	10:30-11:30 Zoom ID:	Dr. Serena Orr	Peer Review	Scientific publishing				
11:30 11:45 12:00								2001012012012012012012012012012012012012								
12:15 12:30 12:45							Ethical Issues: 1) Health	Required Reading: TCPS – statement and tutorial - https://tcps2core.ca/welcome	Lunch and Work on Project					Work on Project		
13:00			Session 4 Small Group 1: Zoom ID Small Group 2: Zoom ID Small Group 2: Zoom ID			: Lauzon	Information Act 2) Ethics and Research	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.								
13:30 13:45 14:00 14:15	13:00-14:30	Small Grou	Small Group 2: Zoom ID Small Group 3: Zoom ID Small Group 4: Zoom ID Small Group 5: Zoom ID	Assistance with sample size calculations and analysis     Select a resident to present their research idea for discussion of ethical implication for Ethical Issues lecture		Presenting your results: 1) Writing an abstract	5: 1) Identify key elements of a great presentation	13:30-15:00 Zoom ID:	Dr. Marinka Twilt	Survey Design/Analysis	Discuss and learn about:  1) Purpose of surveys 2) Survey Design Process					
14:30 14:45 15:00	14:30-15:30 Zoom ID:	Dr. Gerry	Creating Posters: The good, the bad and the	Basics of what to include on a research poster and tips on presenting	Zoom ID:	Kirton	2) Putting together a 10	results 3) Apply these principles to your research project	20011112			3) Distribution of surveys	Resident Academic Half Day			
15:15 15:30	ZUUIII ID.	Glesbrech	ugly		_				15:00- ~16:30		Qualitative Research	*For residents doing qualitative				
15:45 16:00 16:15									Zoom ID:	Dr. Katie Chaput	Project Q&A/Small Group	studies or those interested				
16:15 16:30 16:45																
17:00			ASSIGN	MENT 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 Due
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)

## ALL SESSIONS ARE MANDATORY UNLESS SPECIFIED OTHERWISE

	Research Course 2024 Schedule												
	MONDAY: 11-Nov-24 - STAT		TUE	SDAY: 12-Nov-24 Ir	-Person		WEDNESDAY: 13	-Nov-24	THURS	DAY: 14-Nov-24 - In-Pers	on - Please see detailed so	chedule once avail.	FRIDAY: 15-Nov-24
Time	Time Speaker Topic Objectives	Time	Speaker	Topic	Objectives	Time	Speaker	Topic	Time	Speaker	Topic	Details	Time Speaker Topic
08:00 08:15 08:30 08:45 09:00						08:30-09:30		d Rounds ster to attend Zoom		ACHRI TA Chair Dr. Raman	ACHRI Trainee A:		
09:15 09:30 09:45 10:00 10:15				Work on Project/Po	ster	rece o register to attend 200m			8:45-10:30 CR3	ENRICH Rep  Keynote Speaker:	ENRICH TBA	l Intro	
10:30				0	1) Practical session on how to						Break		
10:45 11:00 11:15		10:30-12:00 CR?	Linda Longpre	Conducting Research - Requirements for CHREB and AHS	submit an ethics application online using the IRISS platform 2) Overview of the process/requirements for obtaining approval to conduct research using AHS resources				10:40-11:30 CR 2/3/4	CR 2/3/4 Session 1			
11:30				Approvals						Break I		1	
11:45 12:00 12:15					research using And resources	_			11:40-12:30 CR 2/3/4		resentations ssion 2	Presentation format: 7 min summary presentation, 3 minutes for	Finish up Project: Final Assignment Due
12:30 12:45 13:00	Remembrance Day STAT			Work on Project/Pos	ster					Lunch			Small Research Grant Applications Due
13:15 13:30 13:45 14:00			T	Session 5			Work on Proj	ect	13:15-14:05 CR 2/3/4		resentations ior Peds Residents		
14:15				Small Group 1: CR?	Practice Poster presentations,						Coffee Break	<u> </u>	
14:30 14:45 15:00 15:15 15:30 15:45		14:00-15:30	Small Group	Small Group 2: CR? Small Group 3: CR? Small Group 4: CR? Small Group 5: CR? Small Group 6: CR?	provide feedback  Have draft of poster ready to present	-			14:15-16:00 CR4	Senior Resident/Fel	lows Oral Presentations	Senior Resident Presentation format: 10 min summary presentation, 5 minutes for questions (15 min per presentation)	
16:00 16:15 16:30 16:45 17:00						Poster must be e	mailed by 0830 to Cours	e Coordinator					PROJECT DUE Project: Research Proposal

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
- Course coordinator (jolene.haddad@ahs.ca)