

**Introduction to Evidence in Healthcare: Quantitative, Qualitative and Synthesis Studies**  
**9 February 2023 (Thursday)**  
**9.00am – 5.00pm**  
**Online (Zoom)**

## Synopsis

Researchers and clinicians have different questions in relation to healthcare that can be addressed with a variety of study designs. Research studies are commonly divided into quantitative and qualitative, as well as primary and secondary studies. Primary studies can be collated and synthesized to provide a more comprehensive analysis of the data in relation to a certain research question or a topic. This introductory workshop will provide participants with a simple framework to differentiate most common study designs in healthcare research. It will also outline a set of criteria that can be used to select the most appropriate study design and critically appraise different types of studies.

At the end of this workshop, participants should be able to:

- Formulate a focused research question
- Identify the most common study designs in healthcare research
- Explain the purpose of critical appraisal of research studies
- Select the appropriate reporting guidelines to report their research study
- Describe different approaches to evidence synthesis in healthcare
- Identify common methodological limitations in systematic reviews

## AGENDA

Time	Topic	Speaker
9.00 – 9.10 am	<b>Welcome and introduction</b>	<b>Asst Prof Lorainne Tudor Car</b> Assistant Prof of Evidence based Medicine  Lee Kong Chian School of Medicine, Nanyang Technological University
9.10 – 10.00 am	<b>Introduction to evidence in healthcare</b> <ul style="list-style-type: none"> <li>• Ideas to research questions</li> <li>• Research philosophies</li> <li>• Main types of primary studies</li> </ul>	
10.00 – 10.30 am	<b>Group activity</b> <ul style="list-style-type: none"> <li>• Formulating a research question using PICO</li> </ul>	
10.30 – 10.45 am	<b>Tea Break</b>	
10.45 – 11.30 am	<b>What makes a good research study</b> <ul style="list-style-type: none"> <li>• Critical appraisal</li> <li>• Quality indicators for different types of research</li> <li>• Reporting of different study designs</li> </ul>	
11.30 – 12.00 pm	<b>Group activity</b> <ul style="list-style-type: none"> <li>• Selecting the appropriate study design for your research question</li> </ul>	

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12.00am – 12.15pm	Summary and Q&A	
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### AGENDA (con't)

Time	Topic	Speaker
12.15 – 1.15 pm	<b>Lunch Break</b>	
1.15 pm – 2.15 pm	<b>Evidence synthesis in healthcare research</b> <ul style="list-style-type: none"> <li>The purpose of evidence synthesis</li> <li>Different types of evidence synthesis</li> <li>Common methodological steps</li> </ul>	<b>Asst Prof Lorainne Tudor Car</b> Assistant Prof of Evidence based Medicine  Lee Kong Chian School of Medicine, Nanyang Technological University
2.15 – 2.45pm	<b>Group activity</b> <ul style="list-style-type: none"> <li>Formulating a question and selecting the appropriate type of evidence synthesis</li> </ul>	
2.45pm – 3.00 pm	<b>Tea break</b>	
3.00 – 4.00 pm	<b>What makes a good evidence synthesis</b> <ul style="list-style-type: none"> <li>Critical appraisal</li> <li>Common methodological limitations</li> <li>Reporting of evidence synthesis</li> </ul>	
4.00 – 4.30 pm	<b>Group activity</b> <ul style="list-style-type: none"> <li>Critical appraisal of a systematic review</li> </ul>	
4.30 – 5.00 pm	<b>Summary, Q&amp;A and concluding remarks</b>	

Note: Information is accurate at time of print. Agenda is subject to changes without prior notice.

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**Course Fees**

Category	Fees
NHG Institutions	\$535.00
Non-NHG Institutions / Academic Institutions	\$802.50
Others / Private	\$1070.00

\*Please refer to the 'Course Fees Category Classification List' for the list of institutions.