

**Course Title/Code:** Evidence Based Practice (MMPH6006)

**Department:** School of Public Health

**Objective:**

- To compare the concepts of patient-oriented and disease-oriented medicine.
- To appraise the validity and relevance of research studies in clinical medicine and public health.
- To use Internet-based sources of medical information and searchable databases to acquire and apply valid and relevant information at the point of patient care.
- To describe barriers in applying evidence to clinical decision-making and implementing evidence-based care.
- To formulate ways to improve evidence-based practice and quality of health research.

**Content:** Topics include:

- Information Mastery: A Practical Approach to Evidence-Based Medicine for Clinicians and Managers.
- Is it True? Evaluating Research about Therapy. Clinical Jazz: Harmonizing Clinical Experience and EBM.
- Don't Panic: Basic statistics you can understand and need to read secondary information synopses. Using "Medical Poetry": Is it possible to both improve health care quality and reduce costs at the same time? Evaluating "Foraging Tools" for keeping up with new relevant and valid information. Is it True? Evaluating research about diagnostic tests. Taking the right STEPS to avoid fallacies of decision making. Is it True? Evaluating research about prognosis (Part 1)
- Is it True? Evaluating research about prognosis (Part 2). Evaluating conventional information sources: Consultants, CME, and reviews. Is it True? Evaluating medical reviews. Is it True? Evaluating practice guidelines. Obtaining useful information from secondary sources. Using clinical decision tools. Is the best evidence getting into clinical practice? The case of type 2 diabetes. Hints and tips for practicing and teaching EBM via IM. Clinical Jazz Revisited.

**Learning Outcomes:** On completion of the module, the students are expected to:

- Apply evidence-based medicine techniques to clinical and /or public health practice
- Identify the utility of specialty-specific hunting and foraging tools to in clinical medicine.
- Construct patient oriented clinically based questions (PICO).
- Apply evidence based medicine tools (such as the information pyramid) to inform reliable and reproducible criteria to assess relevance and validity of published research.
- Assess computer-based sources of information for clinical decision making (based on the highest quality evidence)
- Describe basic scientific tools and statistics in evidence-based health and to understand their real world limitations.
- Identify solutions for overcoming common barriers to

implementing evidence-based care into clinical practice and education.

<b>Prerequisite:</b>	Introduction to epidemiology (MMPH6003)
<b>Duration:</b>	24 contact hours; 1 week concentrated course
<b>Continuous assessment/ examination ratio:</b>	30% / 70%
<b>Examination method/ duration:</b>	Written examination / 3 hours
<b>Remarks:</b>	Also offered to RPg from other Faculties at HKU