



TAGORE MEDICAL COLLEGE AND HOSPITALS



How to select topic for research?





- **Step 1: Identify the research gap**
- **Step 2: Determine where the study fits (or how it will contribute to the knowledge base)**
- **Step 3: Frame your research question(s) and objective(s)**
- **Step 4: Prepare a brief outline of methods**
- **Step 5: Rank research topics and prepare a short list**

How to choose a topic which will be beneficial (more valued)



- Identify your interests and gaps

- Narrow down and refine your topic

- Evaluate and test your topic

- Review and revise your topic

- Communicate and justify your topic



- ❖ **Familiarity with published research in the domain:** So that one can describe the research gap and justify the conduct of research.
- ❖ **Reasonable understanding of resources and technical expertise required to conduct the proposed research:** To avoid undertaking a project that is too ambitious or impractical.
- ❖ **Awareness of resources available to conduct research in one's department and institution:** To help eliminate projects that are not feasible.
- ❖ **Understanding of expectations from/ requirements for the research project:** Particularly if the research project is part of required coursework in a degree program, there should be no confusion about the purpose of the project.
- ❖ **Possession of basic research skills and knowledge of the research process:** So that the investigator is able to conduct the project without much external assistance.

Will mentor guide in topic selection?



How to identify my field of interest

Map Out Your Interests

- ✓ To figure out what your interests are, take some time and write down 3-5 responses to each of these questions:
- ✓ What subjects covered in my field(s) of study interest me the most? (do this for each major/minor you have)
- ✓ Which class or classes have been the most interesting, what specifically made them interesting, and what questions did I still have after the class finished?
- ✓ What questions or problems am I most interested in exploring and/or solving?
- ✓ What other topics, areas, or fields am I interested in outside of my major/minor?
- ✓ What research topics relate to that field or sector I want to end up in and/or what interests me in that field?
- ✓ What (if any) research topics relate to my hobbies, personal interests, or extracurricular activities?
- ✓ What skills am I interested in developing which aren't addressed by my major/minor?

Think About How You Want To Get Involved

- ✓ The next thing you'll want to think about is how you might want to get involved in research. Below are some questions to help guide you:
- ✓ What kind of experience do you want: do you want to work in a lab or do you want to work in the field?
- ✓ Are you ok working on a team as part of a larger research topic/question or do you want to do your own original research?
- ✓ Do you want to be part of a big team, do you want to work on a smaller project, or would you prefer to work one-on-one with a faculty member / graduate student?
- ✓ Do you want to do research related to your field(s) of study and deepen your understanding / experience or do you want to do research outside your field of study and broaden your understanding / experience?



MEDICAL RESEARCH

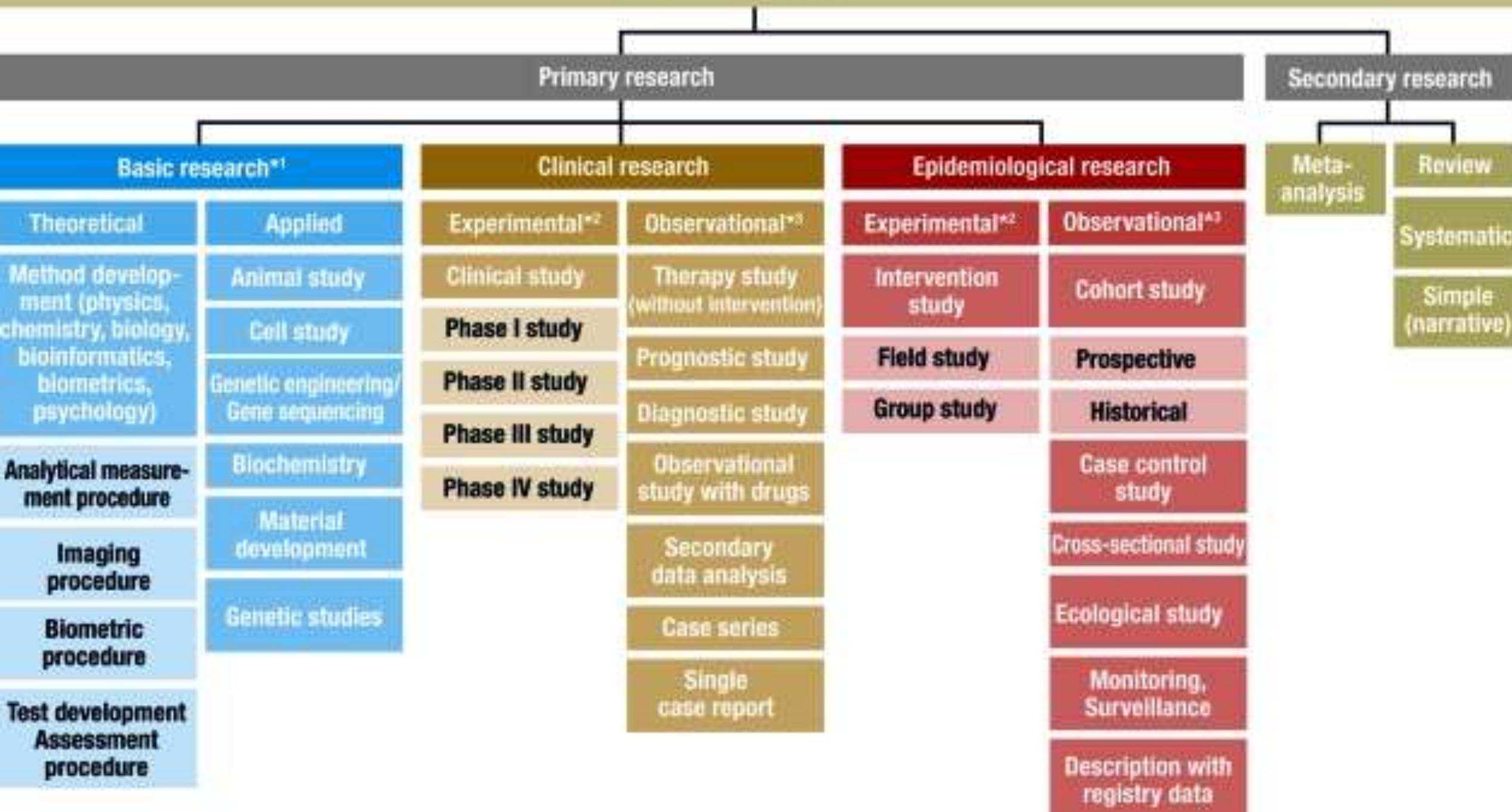
Medical research, also known as health research, refers to the process of using scientific methods with the aim to produce knowledge about human diseases, the prevention and treatment of illness, and the promotion of health.

STEPS IN RESEARCH PROCESS



Three main areas of medical research can be distinguished by study type: **basic (experimental), clinical, and epidemiological research**. Furthermore, clinical and epidemiological studies can be further subclassified as either **interventional or noninterventional**

Medical research



Should case study be from our hospital cases or can cases be chosen from other hospital?

Observational patients studies to be conducted in Tagore Medical College and Hospitals as it's a short term project



Role of the guide or mentor?



A Research Guide
for Students

- All the faculties of Tagore Medical College and Hospitals can guide the MBBS students for this short study
- Pg students can co-guide the MBBS students
- Starting from the topic selection till the research completion the guide will help the students
- In an event of the Guide leaving the Institute/College before completion of the project, the student may continue the research work under the new Guide, who fulfills the eligibility requirements from the same department after obtaining permission from Principal/Dean.

Should the research be a new one or can it be an improvisation in an pre existing research?

Novel studies are highly recommended or otherwise it can also be an improvisation of an pre-existing research



Can we do as group or only as individual?

- A study can be carried off by an individual or by maximum of two MBBS students



When is a research considered completed?

Submission of the report format given will be considered as research completion. Stipend will be issued only when the reports are approved after a scientific review by Experts.



What will happen if I'm not able to complete my research?

Extension time/Buffer period will be given for the studies for completion



What sources should be referred as research material ?

All the e-journals from PUBMED, WEB OF SCIENCE, SCOPUS, EMBASE, GOOGLE SCHOLAR, other journal websites

Library books and journals can be referred as research material.



THE



END.