

**Resident Curriculum
PL-1
Research**

Medical Knowledge

The competency of Medical Knowledge includes:

- demonstrate an investigatory and analytic thinking approach to clinical situations
- know and apply the basic and clinically supportive sciences which are appropriate to their discipline

Medical Knowledge: Goals and Objectives

Goal #1:

Developing skills for the critical analysis of medical literature (including research methodology and biostatistics)

Objective:

#1. Screening

Systems Based Practice

The competency of System Based Practice includes:

- understand how their patient care and other professional practices affect other health care professionals, the health care organization, and the larger society and how these elements of the system affect their own practice
- know how types of medical practice and delivery systems differ from one another, including methods of controlling health care costs and allocating resources
- practice cost-effective health care and resource allocation that does not compromise quality of care
- advocate for quality patient care and assist patients in dealing with system complexities
- know how to partner with health care managers and health care providers to assess, coordinate, and improve health care and know how these activities can affect system performance

Systems Based Practice :Goals and Objectives

Goal #1:

Developing skills for the critical analysis of medical literature (including research methodology and biostatistics)

Objectives:

#1 To develop knowledge in Epidemiologic and Biostatistical Methods

#2 Randomization

#3 Describing and presenting data

#4 Data analysis: estimation and hypothesis testing

#4 Confounding and stratification

#5 Screening

Goal #2:

Developing skills for the critical analysis of medical literature (including writing and understanding

scientific material)

Objectives:

- #1 Medical Writing
- #2 Writing a study protocol
- #3 Developing a study protocol
- #4 Searching medical literature

Professionalism

The competency of Professionalism includes:

- demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society that supercedes self-interest; accountability to patients, society, and the profession; and a commitment to excellence and on-going professional development
- demonstrate a commitment to ethical principles pertaining to provision or withholding of clinical care, confidentiality of patient information, informed consent, and business practices
- demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities

Professionalism :Goals and Objectives

Goal #1:

Developing skills for the critical analysis of medical literature (including research methodology and biostatistics)

Objective:

- #1 Ethical issues in epidemiological research