

NURSING RESEARCH I

NCMB311

Introduction to Nursing Research

RESEARCH

- is a systematic inquiry that uses disciplined methods to answer questions or solve problems. The ultimate goal of research is to develop, refine, and expand a body of knowledge (Polit and Beck, 2004).
- Is referred to as empirical research and is synonymous with the conscious application of a structured method. In which it follows a rigorous step in order to solve a problem or develop something new and to improve our knowledge.

SCIENTIFIC UNDERTAKINGS IN RESEARCH

- Medical Research
 - Nursing and other medical allied research
- Business Research
- Agricultural Research
- ICT Research

CHARACTERISTICS OF RESEARCH (COGIE)

- CONTROLLED:** specific constraint or limitation were identified and eliminated to ensure precision and validity of results
- Orderly and systematic:** follows a sequence of steps
- Generalization:** is the finding applicable to the entire population
- Intensive:** in-depth approach is used to ensure that all possible loopholes in the study is covered
- Empirical:** objective reality as sources of knowledge

NURSING RESEARCH

- scientific process that validates and refines existing knowledge, or generates new knowledge that directly and indirectly influences the nursing profession (Burn & Grove)
- Is the systematic inquiry designed to develop trustworthy evidence about problems related to nursing profession including:
 - Nursing practice
 - Education
 - Administration
 - Informatics
- Refers to research done on addressing the health concerns of client and the application of the research on their care

CLINICAL NURSING RESEARCH

- is designed to guide nursing practice and to improve the health and quality of the life of nurses clients

TASK OF NURSING RESEARCH (IDEPC)

- Identification:** assess situation that needs clarification
- Description:** determine relationship between and among variables investigated
- Exploration:** answer the what question
- Explanation:** answer the question why and seek clarification
- Prediction and Control:** projects situation or events and minimize effects

EVIDENCE-BASED PRACTICE

- Integration of best research evidence with clinical expertise; and patient values

PURPOSE OF NURSING RESEARCH

DESCRIPTION

- Description describing a phenomenon affecting the nursing profession
 - Example:* describing varied phenomena such as: stress and coping, pain management, adaptation, health beliefs and practices

EXPLANATION

- Explanation it offers understanding, clarification and information on why a certain phenomenon occurs.
 - Example:* Why is it significant to provide for the psychological needs of patients in the intensive care unit?

PREDICTION

- It estimates and anticipates the probability of a certain outcome in a specific situation like nursing intervention.
 - Example:* What are the effects of prolonged bed rest on the hospitalized patient's recovery?

CONTROL

- The manipulation of a given situation to produce the desired outcome.
 - Example:* Therapeutic effects of touch help a patient and family cope with their fears

ROLES OF NURSES

- As a principal investigator
- As a member of the research team
- As an identifier of researchable problems
- As an evaluator of the research findings
- As a user of the research findings
- As a patient or client advocate drug studies
- As a subject in studies

RESEARCH PROCESS	NURSING PROCESS
Defining the Problem	Nursing Assessment
Planning a Research design	Formulating Diagnosis
Planning a Sample	Planning Care
Gathering the Data	Implementing Care
Processing and Analyzing Data	Evaluating Care
Formulating Conclusions and Report	

RESEARCH PROCESS & WRITING TECHNIQUE

- Select topic of interest → Reconnaissance → Problematicizing → Plan your study → Gather data → Transcribe/Encode data → Organize → Analyze → Write the Manuscript → Defend your Manuscript → Publish

SOURCES OF NURSING RESEARCH TOPICS

OWN EXPERIENCE AND INTEREST

- Identify your own interests and formulate a problem that reflects them; familiarity in your territory and terminology
 - **Example: Ms. Toreja, RN, MAN**
 - Behavior of Humans: *"Sir, OC-OC po kasi ako, and I'm bothered kung masama or okay lang yun sa trabaho at mga katrabaho ko"*
 - Research Title: Implications of Nurses with Obsessive-Compulsive Personality Disorder to Social Exchanges within Healthcare Organizations: Mapping Perceptions from Co-Nurses
 - **Example: Ms. Rivero, RN, MAN**
 - Feminist: *"Ang weird ng nanay ko, parang laging sinasapian, laging irritable, mainit ulo, madrama, ano kaya eksena niya?"*
 - Research Title: Women in Midlife: Exploring Experiences Across Social Boundaries

OWN PROFESSIONAL PRACTICE

- Even a simple analysis of conversation in the nurse station can lead to research problems
 - **Example: Mr. Pagente, RN, MAN**
 - Critical Care: *"Naging CI kasi ako sir sa ICU eh ang toxic doon. Gusto ko malaman kung ano yung ineendorse na trabaho ng mga nurses sa isa't-isa"*
 - Research Title: The Art and Science of Task Delegation in Critical Care: The Common Praxis among Junior and Senior Filipino Nurses

COLLEAGUES

- Brainstorming with friends about problems they have encountered may help clarify research ideas
 - **Example: Mrs. Marcelo, RN, MAN**
 - PNP Hospital: *"Sa PNP Hospital ho ako nagtatrabaho. Curious ho kaming mga CI sa mga pasyente doon. Nako sir, ang tagal nila magstay sa area"*
 - Research Title: The Lived Experiences of Amputated Policemen: The Paces, Phases and Faces of their Psychosocial Adjustment

CRITICAL FRIENDS

- Experts are good sources of research problems
 - **Example: Mrs. Sharon Cajayon, RN, MAN**
 - Emergency Nursing: *"Sir, ano po ba magandang topic na bagay sa'kin, yung bagay as CI?"*
 - Research Title: Caring Behavior of ER Nurses among selected Hospitals in Valenzuela City

HOW TO START TOPIC OF RESEARCH

Too General → General → **AREA** ← Specific ← Too Specific

- Look for the AREA of study first
 - It is good to seek professional advice from a critique before conducting research on the topic of interest

CRITERIA FOR SELECTION OF RESEARCH TOPICS/PROBLEMS

- **F**EASIBLE
- **I**NTERESTING
- **N**OVICE
- **E**THICAL
- **R**ESEARCHABLE
- **S**IGNIFICANT