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Compose Research Problems and Purposes

Contributors

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Type of Study Conducted

- Knowledge available on topic
- Expertise of researcher
 - o Replication versus Original research
- Resources of researcher
 - Amount of funding
 - Sources of funding

Original Research

Original Research:

- O Unique or new research idea
- o For advanced researchers
- o For examples:
 - × Dissertation
 - Funded research project
 - Program of research in an area

Replication Research

- Replication or repeating a study to confirm original findings
- Encouraged for novice or new researchers:
 - Thesis
 - First clinical research project

Types of Replication

Exact replication:

- Precise, exact duplication of original research project to confirm findings
- Includes same design, instruments, sample, and setting as original study

Approximate replication:

- Repeating the original study under similar conditions, following methods as closely as possible
- Most common type of replication conducted in nursing

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Types of Replication

Concurrent replication

- Collection of data for original study and replication is done simultaneously
- Replication is part of the original study design

Systematic replication

- Constructive replication done under new conditions where replication study does not follow the design or methods of the original study
- But begins with similar problem and develops a new design to verify the findings

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Research Topics

- Major concepts
- Focused on areas of concern
- Key issues for practice, education, administration
- For examples:
 - o Chronic pain
 - Acute pain
 - Self-care
 - Coping
 - Health promotion
 - Respiratory pathology

What is a Problem?

- Area of concern
- Gap in the knowledge base for practice
 - Not previously studied
 - Conflicting findings
 - Omission of a group of subjects
- Significant for nursing

What is a Research Problem?

 A situation in need of a solution, improvement, or alteration

or

• A discrepancy between the way things are and the way they ought to be

Key Phrases for Problem

- Little is known about...
 - Findings of previous studies are conflicting
 - Few studies on a certain topic/issue have been done

Sources of Research Problems

- Nursing practice
- Research priorities
- Researcher and peer interaction
- Literature review
- Theory

Purpose Statement

- Clear, concise statement
- Indicates the goal, aim, focus, or objective of the study
- Includes the study variables, population, and setting

Purpose and Type of Study

- The purpose of a study is to
 - o describe...
 - o determine differences between groups...
 - o examine relationships among...
 - o determine the effect of...

Examining Study Feasibility

- Time commitment
- Money commitment
- Researchers' expertise
- Availability of subjects, facility, and equipment
- Ethical considerations



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Critiquing Problem and Purpose

- 1. Are the problem and purpose of the study clearly and concisely expressed?
- 2. Does the purpose identify the variables, population, and setting of the study?
- 3. Are the problem and purpose significant to generate nursing knowledge?
- 4. Was it feasible for the researchers to study the problem and purpose identified?

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Conceptual Framework

- An abstract, logical structure of meaning that guides the development of the study
- Enables the researcher to link the findings to the body of nursing knowledge
- Related terms:
 - Concept
 - o Relational statement
 - Theory
 - Conceptual model

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Terms Related to Framework (1)

Concept

A term to which abstract meaning is attached

Relational Statement

 Declares a relationship of some kind exists between two or more concepts

Terms Related to Framework (2)

Theory

- o Integrated set of defined concepts and relational statements that presents a view of a phenomenon
- Can be used to describe, explain, predict, or control the phenomenon
- Statements of the theory, not the theory itself, are tested through research

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Terms Related to Framework (3)

Conceptual model

 A set of highly abstract concepts and statements of relationships that broadly explains the phenomena of interest to a discipline

o For example:

- × Neuman
- × Orem
- × Rogers
- × Roy

Research Process

Review of Literature

Problem

Purpose

Method

Results

Discussion

Problems & Purposes 2.1

Planning a Research Project

 Please see the handout, entitled "Steps in planning your research projects"