What is Research?

Scientific research is a systematic and objective attempt to provide answers to certain questions. The purpose of scientific research is to discover and develop an organized body of knowledge.

What is Nursing Research?

Technically, there is no difference. It is research conducted by nurses.

Nursing research refers to the use of systematic, controlled, empirical, and critical investigation in attempting to discover or confirm facts that relate to specific problem or question about the practice of nursing. Research usually requires approval from the Institutional Review Board for Human Subjects.

What is the Research Process?

The Research process is the examination and analysis of systematically gathered facts about a particular problem. The aim of research process is the discovery or validation of knowledge. It is the systematic process of problem solving.

What are the Steps in the Research Process?

The Research Process has the following steps:

- Conceptualization of the Research problem
- Development of the Conceptual Framework
- Research Design
- Data Collection
- Data Analysis
- Interpretation of Results
- Writing the Report
- Publication
- Application of Results

What is the purpose of a study?

The purpose of the study describes why the study has been designed. The purpose reflects the intent of the investigator and use of the knowledge derived.
What is the Problem Statement?

The problem statement presents the topic under study, provides a rationale for the choice of topic, represents a synthesis of fact and theory, and directs the selection of the design.

What is the sample?

The sample is a subset of the population selected by investigator to participate in a research study.

What is the setting?

The setting is the place where the study will take place.

What is a variable? What is an independent variable? What is a dependent variable?

A variable is a concept (construct) that has been so specifically defined that precise observations and therefore measurement can be accomplished.

The independent variable (experimental or treatment variable) is an antecedent to other variables. In an experiment or quasi-experiment, it is the variable that is manipulated, and its effect on the dependent variable is observed.

The dependent variable represents the area of interest under investigation. It reflects the effect of or the response to the independent variable.

What is a Hypothesis or Research Question?

A Hypothesis is statement or declaration of the expected outcome of a research study. It is based on logical rationale and has empirical possibilities for testing. Hypothesis is formulated in experimental research.

A Research Question may be asked if there is not any published literature on your topic of interest.

Bonus Question: What is research Important to Nursing?

There are several reasons for conducting research investigations. The first is to build a body of nursing knowledge. The second is to validate what we do in nursing practice. Nursing research involves identifying solid research findings and implementing them in nursing practices, in order to increase the quality of patient care.