

# **NURSING RESEARCH**

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# IMPORTANCE of RESEARCH in NURSING

*The aim of the research is  
to solve a problem*

**How to do Research: Solve a problem and publish**

- The scientific method is one of the primary sources of generating nursing knowledge.

# What is the Primary Goal of Nursing Research

- To develop a specialized, scientifically based body of knowledge unique to nursing
- develop and test nursing theories;
- understand nursing phenomena;
- foster professional commitment & accountability;
- help nurses make informed decisions in patient care;
- validate the effectiveness of particular nursing measures;
- help document nursing's unique role in the health care delivery system;
- improve quality of care and care delivery;
- provide a link between theory & practice;
- advance nursing as a profession.



## Scientific Method Characteristics:

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- Control of variables and biases
- Use of empirical evidence to generate knowledge
- Produce generalizable results

# Classification of Research

- Empirical or theoretical
- Qualitative or Quantitative
- Basic or Applied

**Empirical and theoretical research**  
**(philosophical approach)**

Health research mainly follows the  
empirical approach

It is *based upon observation and*  
*experience more* than upon  
Theory



Empirical research in the health sciences can be *qualitative* or *quantitative* in nature

## ▶ Quantitative research

▶ Quantitative research is research involving the use of structured questions where the response options have been predetermined and a large number of respondents is involved. By definition, measurement must be:

▶ Objective, quantitative and statistically valid, simply put It's in numbers . Is collecting, analyzing, and interpreting data by observing what people do and say.

## ▶ QUALITATIVE RESEARCH

Qualitative research is much more subjective than quantitative research and uses very different methods of collecting information, mainly individual, in-depth interviews and focus groups.

Whereas, quantitative research refers to counts and measures of things, qualitative research refers to the meanings, concepts, definitions, characteristics, symbols and descriptions of things

# *Basic And Applied*

- ▶ Research can be functionally divided into *basic (or pure)* research and applied research.

▶ **Basic research is usually considered to involve a search for knowledge without a defined goal of utility or specific purpose.**

- ▶ Applied research is *problem-oriented, and is directed towards the solution of an existing problem.*

Nurse Researchers use the Scientific Method to:

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- Describe phenomena
- Explore relationships among phenomena
- Explain phenomena and increase understanding
- Predict the causes of relationships among phenomena
- Control phenomena



# Research, theory, Practice

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- How do the three relate?
- What research are you aware of?
- How is it implemented in your practice setting?
- How we do evaluate the reliability and validity of the research we read?