



Wolters Kluwer

When you have to be right

# Chapter 11

## Specific Types of Quantitative Research

# Question

---

Tell whether the following statement is true or false:

Phase I clinical trials involve seeking opportunities for refinements and preliminary evidence of efficacy.

# Answer

---

**False**

Phase II clinical trials involve seeking opportunities for refinements and preliminary evidence of efficacy. Phase I features of the intervention that are finalized.

# Clinical Trials

---

- Effectiveness of clinical interventions
- Phase I
- Phase II
- Phase III
- Phase IV

# Sequential Clinical Trial

---

- Data from paired “mini-experiments”
- Continuously analyzed
- Preference measures
- Stopping rules

# Question

---

Tell whether the following statement is true or false:

Practical clinical trials aim to reduce the gap between efficacy and effectiveness studies.

# Answer

---

**False**

Practical clinical trials are designed to provide information to clinical decision makers.

# Practical Clinical Trials

---

- Also called pragmatic clinical trials
- Provide information to clinical decision makers



# Evaluation Research

---

- Effectiveness of a program, policy, procedure
- Assist decision makers

# Question

---

What is the purpose of an outcome analysis?

- A. Describes the status of some condition after the introduction of a program
- B. Tests whether a program causes net impacts
- C. Describes the process by which a program gets implemented and functions in practice
- D. Assesses whether the monetary costs of a program are outweighed by benefits

# Answer

---

**A**

Outcome analysis describes the status of some condition after the introduction of a program.

Impact analysis tests whether a program causes net impacts.

Process analysis describes the process by which a program gets implemented and functions in practice.

Cost analysis assesses whether the monetary costs of a program are outweighed by benefits.

# Various Analyses

---

- Process or implementation
- Outcome
- Impact
- Cost or economic
  - Cost–benefit analysis
  - Cost-effectiveness analysis
  - Cost-utility analysis

# Question

---

Tell whether the following statement is true or false:

Outcome research examines the quality and effectiveness of health care and nursing services.

# Answer

---

**True**

Outcome research examines the quality and effectiveness of health care and nursing services.

# Outcome Research

---

- Quality and effectiveness of health care and nursing services
- Health care quality
  - Structure
  - Process
  - Client risk factors
  - Outcomes

# Survey Research

---

- People's characteristics, behaviors, and intentions by asking them to answer questions
- Personal interviews
- Telephone interviews
- Questionnaires



# Secondary Analysis

---

- Researchers analyze previously collected data.
- Economical
- Difficult to identify appropriate existing data base

# Needs Assessment

---

- Needs of group or community
- Three main needs
  - Key informant
  - Survey
  - Indicators approach

# Question

---

Tell whether the following statement is true or false:

The Delphi technique is a method of problem solving in which one round of questionnaires are sent to a panel of experts.

# Answer

---

**False**

The Delphi technique is a method of problem solving in which several rounds of questionnaires are sent to a panel of experts, not one round.

# Delphi Technique

---

- Problem solving
- Several rounds of questionnaires

# Replication Studies

---

- Identical
- Virtual
- Systematic extension replication

# Methodologic Studies

---

- Development
- Validation
- Assessment