

CHAPTER OVERVIEW

16: Research Design

A research design is the set of methods and procedures used in collecting and analyzing measures of the variables specified in the research problem research. The design of a study defines the study type (descriptive, correlational, semi-experimental, experimental, review, meta-analytic) and sub-type (e.g., descriptive-longitudinal case study), research problem, hypotheses, independent and dependent variables, experimental design, and, if applicable, data collection methods and a statistical analysis plan. Research design is the framework that has been created to find answers to research questions.

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[16.2: Measurement](#)

[16.3: Data Collection](#)

[16.4: Sampling Bias](#)

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[16.E: Research Design \(Exercises\)](#)

Flowchart of four phases (enrollment, intervention allocation, follow-up, and data analysis) of a parallel randomized trial of two groups. Image use with permission (CC BY-SA 3.0; [PrevMedFellow](#)).

Contributors and Attributions

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