

# **AIMS AND OBJECTIVES**

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# AIMS

1. are broad statements of desired outcomes, or the general intentions of the research, which 'paint the picture' of your research proposal.
2. emphasize what is to be accomplished, not how it is to be accomplished.
3. address the long-term project outcomes, .i.e. they should reflect the aspirations and expectations of the research topic
4. do not need to be numbered.

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# Objectives :

1. are the steps you are going to take to answer your research questions or a specific list of tasks needed to accomplish the goals of the project
2. emphasize how aims to be accomplished
3. Must be highly focused and feasible
4. address the more immediate project outcomes
5. Make accurate use of concepts and be sensible and precisely described
6. Are usually numbered so that each objective reads as an ' individual statement to convey your intentions

For each specific objective you must have method to attempt to achieve it.

The development of a realistic time schedule may help to prioritize your objectives and help to minimize wasted time and effort.

# Aims and objectives should :

1. be presented concisely and briefly
2. to be interrelated. The aim is what you want to achieve, and the objective describes how you are going to achieve that aim i.e.:
  - a. make sure that each aim is matched with specific objectives
- 3 be realistic about what you can accomplish in the duration of the project and the other commitments you have i.e.
  - a. the scope of your project must be consistent with the time frame and level of effort available to you

# Aims and objectives should not :

1. be too vague, ambitious or broad in scope
  - a. through aims are more general in nature than objectives it is the viability and feasibility of your study that you have to demonstrate and aims often present an over-optimistic picture of what the project can achieve
1. just repeat each other in different terms
2. just be a list of things related to your research topic

# Objectives (Aim of The Work)

- ◆ Should answer the study question
- ◆ S.M.A.R.T.
  - Specific
  - Measurable
  - Attainable
  - Reliable
  - Time limited
- ◆ Principal objective
  - Must be achieved
  - Dictates design and methods
- ◆ Secondary objective
  - Of interest, but not essential

# Aims

- Broad description of what you want to study.

## Examples 1

To study the occurrence of osteoporosis in patients with rheumatoid arthritis

## Examples 2

To compare risk factors for coronary artery disease in ST elevation and non-ST elevation myocardial infarction

# Aims

- Broad description of what you want to study.
- Examples:
  - To study the occurrence of osteoporosis in patients with rheumatoid arthritis
  - To compare risk factors for coronary artery disease in ST elevation and non-ST elevation myocardial infarction

# Objectives

- Specific targets to be achieved by the study
- A more elaborate and detailed break-up of the aim(s)
- Examples:
  1. To assess bone mineral density in patients with rheumatoid arthritis using DEXA.
  2. To assess clinical and laboratory parameters as predictors of bone mineral density in these patients.
  3. To calculate risk of fractures in these patients using the FRAX algorithm.

# Objectives

- Second example:
  1. To evaluate historical risk factors like age, smoking and family history for coronary artery disease in patient with STEMI and NSTEMI.
  2. To assess laboratory parameters like lipid profile and CRP levels in these patients.
  3. To compare these risk factors in these two patient populations.



**Thanks**