ANGLAIS APPLIQUÉ ET CRITIQUE D'ARTICLES

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Anatomy of studies

- Relevance of problem
- Literature review
- Objectives
- Statement of research hypothesis
- Study design
- Study population/subjects

Anatomy of studies

- Sampling
- Description of treatment/intervention
- Description of variables (dependent, independent, covariates, intermediate variables, etc.)
- Methods of data collection
- Data management and analysis
- Knowledge-sharing

Research core

- **Statement of problem/introduction**: A clear, comprehensive, written document that describes the importance of the study
- **Background and literature** review identifies gap in knowledge (the need of knowledge) through scientific integrity
- **Results**: show scientific community that work has scientific integrity: publication

Research core

Objectives, design, methods :

- Intent to achieve

- To operationalize = description of the research theoretical approach

- To plan: site management

- data collection mechanisms = Instruments, data monitoring and database development,

- data analysis = specimen/material handling

Research core

Linking background and objectives with design (study population, variables, analysis):

- Define target and study population

- Validity versus generalizability

- Avoid selection and response bias

- Measurement of variable - basic measurement principles

- Implications for sample size

- Pilot work, pre-testing

Description of the background that justifies the study

- What is the relevance of problem?

- What is the literature gap in knowledge inquiring the study?

- What is the primary question or the major question of most interest?

- What are the study's objectives?

- What are the study's hypotheses?

- What are the secondary or subsidiary questions which relate to subsidiary end points or subgroup hypotheses?

- Are there the ancillary questions which do not bear directly on primary hypothesis, but nevertheless of interest?

Display the study's findings

- What is a major outcome?
- Has the literature gap been filled?
- What is the study's perspective?