



How To Write a Manuscript

CORD Academic Assembly April 24th, 2018

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Education Research Manuscript Example Template*

Introduction

- I. Introduction of topic and why it is important
- II. Conceptual framework (sets up the research question)
- III. Identify the knowledge gap and clearly express the problem statement/research question
- IV. Clearly describe the study objective(s) and hypothesis

Methods

- I. Study Design (make note of IRB)
- II. Study setting and participants
- III. Instrument development (include supporting validity evidence)
- IV. Study protocol (detail procedures adequately enough than reader could duplicate your study)
- V. Statistical Analysis

Results:

- I. General Results (including number of participants and characteristics as applicable)
- II. Results of the primary outcome (clear description, avoid any interpretation in this section)
- III. Results of any secondary outcomes

Discussion:

- I. Summarize the main findings (start with what is most interesting)
- II. Explain how the results should be interpreted and plausible reasons for the findings
- III. Compare/contrast your study results to other research/existing literature
- IV. Discuss how the findings should be applied and/or direct next steps (avoid overreaching)
- V. Describe all limitations and how they may have impacted your results

Conclusions:

- I. Clear conclusion that is drawn directly from the data and clearly addresses the study objective/hypothesis

**This is an example template only, it is important to follow the specific instructions and formatting guidelines of the intended journal.*

Pitfalls to Avoid:

- Lack of problem statement and/or clear study objective
- Inadequate description of methodology
- Duplication of results in both text and figure/table format
- Failure to place study findings in context of the literature
- Overreaching conclusion that is not supported from the data
- Conclusion that does not address study objective

Additional Resources:

Singer AJ, Hollander JE. How to Write a Manuscript. *Journal of Emergency Medicine* 2009; 36(1):89-93.

Sullivan G. Writing Education Studies for Publication. *Journal of Graduate Medical Education* 2012; 4(2): 133-137.

Gottlieb M, Dehon E, Jordan J, Bentley S, Ranney ML, Lee S, Khandelwal S, Santen SA. Getting Published in Medical Education: Overcoming Barriers to Scholarly Production. *Western Journal of Emergency Medicine* 2018; 19(1):1-6.