

### Introduction/Background:

This section should provide a brief, but reasonable overview of the problem. The first paragraph outlines the problem. It starts general “influenza is bad,” then gets more specific, ending with a statement of your specific research question: “influenza vaccination rates in pregnant patients are shockingly low.”

The second paragraph is your brief lit review. Briefly cite other people who have studied your question and try to create a logical progression of scientific knowledge. What did they show? Where did they go wrong? What questions did they leave unanswered? Why does this apply or not apply to your population? For example, you might start with “National surveys show immunization rates of 5.7% in 2000 with a small increase to 6.2% in a repeat survey in 2004.” Then progress logically “a recent, unpublished study in military members and dependents showed provider barriers to be x, y, and z and the overall vaccination rate to be xx%. However, this study was limited by the use of self-report and physician estimation of vaccine receipt.”

The last sentence of the second paragraph should state your research objective. “The objective of this study was to determine self-reported and officially recorded vaccination rate and to identify the knowledge, attitudes, and beliefs of patients and physicians that affect influenza vaccination in pregnant military members and military dependents.”

### Methods:

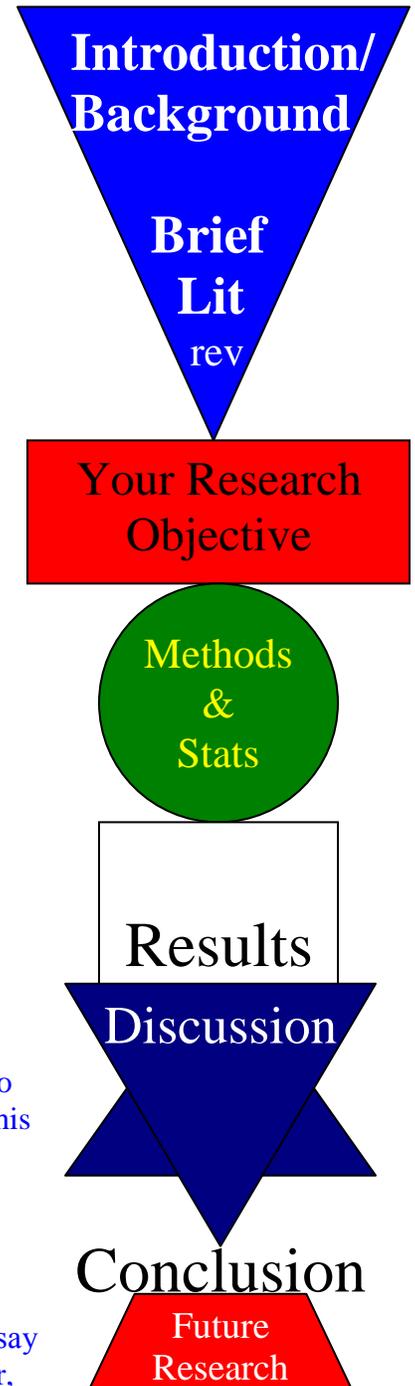
Just say what you did. Anyone reading this section should be able to duplicate your experiment and do exactly what you did using only this section to guide them. Be complete but concise.

### Stats:

Include enough jargon to convince people that you understand the stats, but don't go overboard. Have someone who really understands stats help you with this section to make sure you don't say anything improper. A great stats section will not make a great paper, but a poor stats section will doom otherwise outstanding work.

### Results:

“The facts Ma'am; just the facts...” Black and white, report the facts, report the p-values, the CI's, whatever. Use tables or graphs to help (don't include the same info in



both tables and graphs). In poker parlance, one of the players has called your bet and you've got to lay all your cards on the table.

#### Discussion:

Now you get to explain the facts from the results section. Try to go in some order (most significant to least significant, largest effect to smallest, or vice versa). How do your findings compare and contrast to the findings of others? What do your findings mean to you? Explain differences and try to assign meaning to the cold, hard facts you've laid on the table in the results section.

#### Conclusion:

Come to a one sentence conclusion within a one short paragraph couching. The future research section can be as short as the obligatory. "Future research in this area should focus on...." Or you can have a brief paragraph to talk about your future research in this area and pique people's interest in your "phase 2."