

## **Meeting Summary for HP 299A Every other Tuesday 1: 00 - 3:00 pm**

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### **Quick recap**

Nemuel led discussions on the 6 steps and 21 questions for a research farm class, emphasizing the importance of defining study questions, formulating hypotheses, and narrowing down research topics. The team also discussed various research topics, including the impact of a formal mentoring program on Obgyn residents, the motivation of community or public health practitioners in the Philippines, the effectiveness of EdPuzzle in improving primary caregivers' competence in asthma diagnosis and management, and the level of awareness of community members on the entitlements and benefits under the Universal Health Care program. The team agreed to continue discussions on these topics in future meetings.

### **Next steps**

- All participants to prepare answers for the remaining 9 questions of the 21-question framework for the next meeting.
- Dr. Chan to further research the psychometrics of the physician teaching motivation questionnaire tool.
- Dr. Chan to consider developing or validating an instrument for measuring teaching motivation in the Filipino context.
- Carlo to refine his research question to focus on the effectiveness of Ed Puzzle as a tool for improving diagnostic and management competencies for bronchial asthma.
- Justin to revise the research question to focus on the level of community awareness of UHC entitlements and benefits, rather than a yes/no question.
- All participants to schedule the next meeting after one week to discuss the remaining questions.

## **Summary**

### **Research Class Discussion**

Nemuel led a discussion on the 6 steps and 21 questions for a research farm class. He emphasized the importance of defining the study question and determining the outcome, and the need to go through 9 questions to complete the first step. Nemuel also stressed the importance of reviewing literature and formulating a focused research question. He explained the difference between independent and dependent variables and the importance of formulating a hypothesis. The discussion was part of a hands-on approach to research, with the aim of producing a final proposal by the end of the semester.

## Narrowing Down Research Topics and Methods

Nemuel discusses the importance of narrowing down research topics, using the example of maintenance of clinical competence in interpreting ECGs among junior and senior residents. He suggests focusing on specific skills like interpreting arrhythmias and breaking down the research question into measurable variables. Nemuel advises on structuring the research methodology, progressing from descriptive to relational studies, and emphasizes the importance of proper statistical handling to establish relationships between variables.

## Retraining Importance in Advanced Life Support

Nemuel led a discussion on the importance of retraining in advanced life support, emphasizing the need for regular practice and retraining every two years unless there is a significant change in circumstances. The group also discussed the significance of their research, focusing on the impact of their findings on policy development and the potential reduction of training frequency. They also explored the importance of operationalizing variables and defining constructs in their research. Michelle and Carlo contributed to the discussion, with Michelle sharing her screen to present their research topic and Carlo discussing the diagnosis and management of bronchial asthma as primary caregivers. The conversation ended with Nemuel encouraging the group to continue their research and share their findings.

## Mentoring Program's Impact on Obgyn Residents

Michelle and Nemuel discussed the topic of their study, which is the impact of a formal mentoring program on the long-term career outcomes of Obgyn residents. The study aims to evaluate the effectiveness of the mentoring program in enhancing research productivity, increasing interest in subspecialty fellowships, and improving career planning and support. The study will compare the outcomes of residents who participated in the mentoring program with those who did not. The mentoring program is expected to have a positive impact on the residents' career outcomes, including reducing burnout and increasing well-being. The study will be conducted in a tertiary training hospital and will involve a retrospective analysis of the data.

## Motivating Community Health Practitioners

In the meeting, Nemuel and Chan discussed Chan's research topic on the motivation of community or public health practitioners in the Philippines to teach future health professionals. Chan explained that the study would serve as a baseline for future studies and policy implications, guiding medical schools in faculty recruitment. The study would investigate factors that motivate or hinder teaching among community practitioners, with the aim of identifying characteristics that would lead to higher motivation for teaching. Nemuel suggested that the study could also explore the relationship between characteristics and motivation, and whether these characteristics could be used to predict motivation levels. Chan agreed to look into the psychometrics of the tool being used and to consider developing a Filipino context-specific instrument.

### EdPuzzle's Role in Asthma Management

Carlo and Nemuel discussed the topic of their study, which is a review of the diagnosis and management of bronchial asthma in children using EdPuzzle. They discussed the effectiveness of using EdPuzzle as a tool for improving the competence of primary caregivers in the diagnosis and management of asthma. They also discussed the potential of EdPuzzle as an evaluation instrument for measuring diagnostic competencies, referral competencies, and treatment practices. Nemuel suggested that the study could measure the effect of EdPuzzle on the level of knowledge and practices of primary caregivers, including referral and diagnostic practices. They also discussed the possibility of using actual patient cases in the study.

### Null Hypothesis and Universal Healthcare

Nemuel discussed the importance of null hypothesis in research to prevent bias and to make it easier to prove a relationship. He also shared his experience with using EdPuzzle, a tool he introduced to the Interactive Learning Center 15 years ago. The team then moved on to discuss a study about universal healthcare awareness in the community. The study aimed to assess the community's knowledge about the benefits and entitlements of universal healthcare coverage. The study's purpose was to create a program for information dissemination about universal healthcare. Nemuel emphasized the need to assess the community's awareness level in relation to the topic.

### Assessing UHC Awareness and Factors

Nemuel led a discussion about the topic of the study, which is assessing the level of awareness of community members on the entitlements and benefits under the Universal Health Care (UHC) program. The team discussed the need for a more defined and distributed description of the level of awareness, and the potential impact of various factors such as social media exposure, educational level, and political infrastructure on awareness. They also discussed the possibility of looking into the relationship between these factors and the level of awareness. The team agreed to continue the discussion in the next meeting.

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