Discussion

Purpose

The purpose of this discussion is to demonstrate your understanding of the review and appraisal of a systematic review that includes systematic review with meta-analysis, or meta-synthesis, and to use skills in the appraisal of research studies in your future role as a DNP-prepared nurse. Importantly, you will review the background and intention of the systematic review research study. As you work to find solutions to practice problems, critical review and appraisal of systematic reviews are required.

Instructions

Using the practice problem, you selected in NR715 or NR716, continue your search and appraisal of evidence by analyzing one systematic review research study. This research study should not be one that was used in NR715. Address the following in the discussion:

1. Appraise the systematic review research study using the Johns Hopkins Research Appraisal Tool. Transfer your findings to the Johns Hopkins Individual Evidence Summary Tool.
2. Analyze the evidence summary tool of the research study to address the following in the discussion:
    a. Determine whether the research design selected by the researchers—systematic review, systematic review with meta-analysis, or meta-synthesis—answers their stated research question. Explain your rationale.
    b. Based on information in the published study, explain if the researcher's search was comprehensible and reproducible.
    c. Based on the Johns Hopkins Individual Evidence Summary Tool, determine if there is an evidence-based intervention in your appraised systematic review you might consider for translation to patients in your practice for your future practice change project. Explain your rationale.
    d. Based on the Johns Hopkins Individual Evidence Summary Tool, determine if you would use this systematic review research study as support for the analysis of your selected practice problem. Explain your rationale.

Attach your completed Johns Hopkins Individual Evidence Summary Tool and permalink to the selected research study.

Please click on the following link to review the DNP Discussion Guidelines on the Student Resource Center program page:

- Link (webpage): DNP Discussion GuidelinesLinks to an external site.

Program Competencies

This assignment enables the student to meet the following program competencies:

1. Integrates scientific underpinnings into everyday clinical practice. (POs 3, 5)
3. Uses analytic methods to translate critically appraised research and other evidence into clinical scholarship for innovative practice improvements. (POs 3, 5)
4. Appraises current information systems and technologies to improve health care. (POs 6, 7)
5. Analyzes health care policies to advocate for equitable health care and social justice to all populations and those at risk due to social determinants of health. (POs 2, 9)
7. Translates a synthesis of research and population data to support preventative care and improve the nation's health. (PO 1)
8. Leads others in professional identity, advanced clinical judgment, systems thinking, resilience, and accountability in selecting, implementing, and evaluating clinical care. (POs 1, 4)

Course Outcomes

This discussion enables the student to meet the following course outcomes:

1. Evaluate selected statistical methods for the purposes of critiquing research to complement the critical appraisal of evidence. (PCs 1, 3, 5; POs 3, 5, 9)
2. Analyze research and non-research data for the purposes of critical appraisal and judgment of evidence for translation into practice. (PCs 1, 3, 4, 5, 7, 8; POs 1, 3, 5, 7, 9)
5. Synthesize high-level research and non-research evidence relevant to practice problems. (PCs 1, 3, 5, 7, 8; POs 1, 3, 5, 9)

Due Dates

- Initial Post: By 11:59 p.m. MT on Wednesday
- Follow-Up Posts: By 11:59 p.m. MT on Sunday

Reply

Marianne Gannon

Aug 18 8:36pm

Manage Discussion by Marianne Gannon

Reply from Marianne Gannon

Week 7, Discussion

Class, you may begin posting in this discussion for credit on Sunday that begins Week 7.

LAUNCH POST - Analyzing Parametric Statistics and Summaries of Multiple Research Studies

Welcome to our Week 7 discussion! Please read the question carefully to answer all components. Our interactive discussion addresses the following course outcomes:

CO1. Evaluate selected statistical methods for the purposes of critiquing research to complement the critical appraisal of evidence. (PCs 1, 3, 5; POs 3, 5, 9)

CO2. Analyze research and non-research data for the purposes of critical appraisal and judgment of evidence for translation into practice. (PCs 1, 3, 4, 5, 7, 8; POs 1, 3, 5, 7, 9)

CO3. Synthesize high-level research and non-research evidence relevant to practice problems. (PCs 1, 3, 5, 7, 8; POs 1, 3, 5, 9)

This week, we continue our exploration into inferential statistics used by researchers. Parametric statistics, as compared to non-parametric statistics, is a higher-level category of inferential statistics.

Before using this high-level statistical analysis, researchers must meet assumptions associated with individual parametric statistics.

Also, this week, we return to the search for compelling research study evidence. As we investigate summaries of multiple research studies, including systematic reviews, it becomes clear that systematic reviews comprise the most sophisticated research study

designs. Our exploration includes systematic reviews, systematic reviews with meta-analysis, and meta-synthesis. Using the Johns Hopkins Research Appraisal Tool, you will learn how to appraise systematic reviews and other summaries of multiple studies. As you transfer the appraisal findings to the Johns Hopkins Individual Evidence Summary Tool- capture every detail of these complex yet useful research studies.

Please continue to use your writing resources as you construct your posts, such as Grammarly, Chamberlain Guidelines for Professional Writing, and Turnitin Draft Box.

Dr. Marianne Gannon

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