

Connecting a *Model for Developing Evidence-based Clinical Practice Guidelines* to DNP Scholarly Projects

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“There are not two sciences. There is science, and the application of science, and these two are linked as the fruit is to the tree.”

~Louis Pasteur



EBP Clinical Practice Guidelines (CPGs)

“Specific practice recommendations grouped together that have been derived from a methodologically rigorous review of the best evidence on a specific topic”.

(Melnik & Fineout-Overholt, 2015, p.12)



National Guidelines Clearinghouse Criterion

- ✓ Systematically developed recommendations
- ✓ Produced under the auspices of a relevant professional organization
- ✓ Development process must have systematic literature search
- ✓ Current and the most recent version

(Agency for Healthcare Research and Quality, 2012)

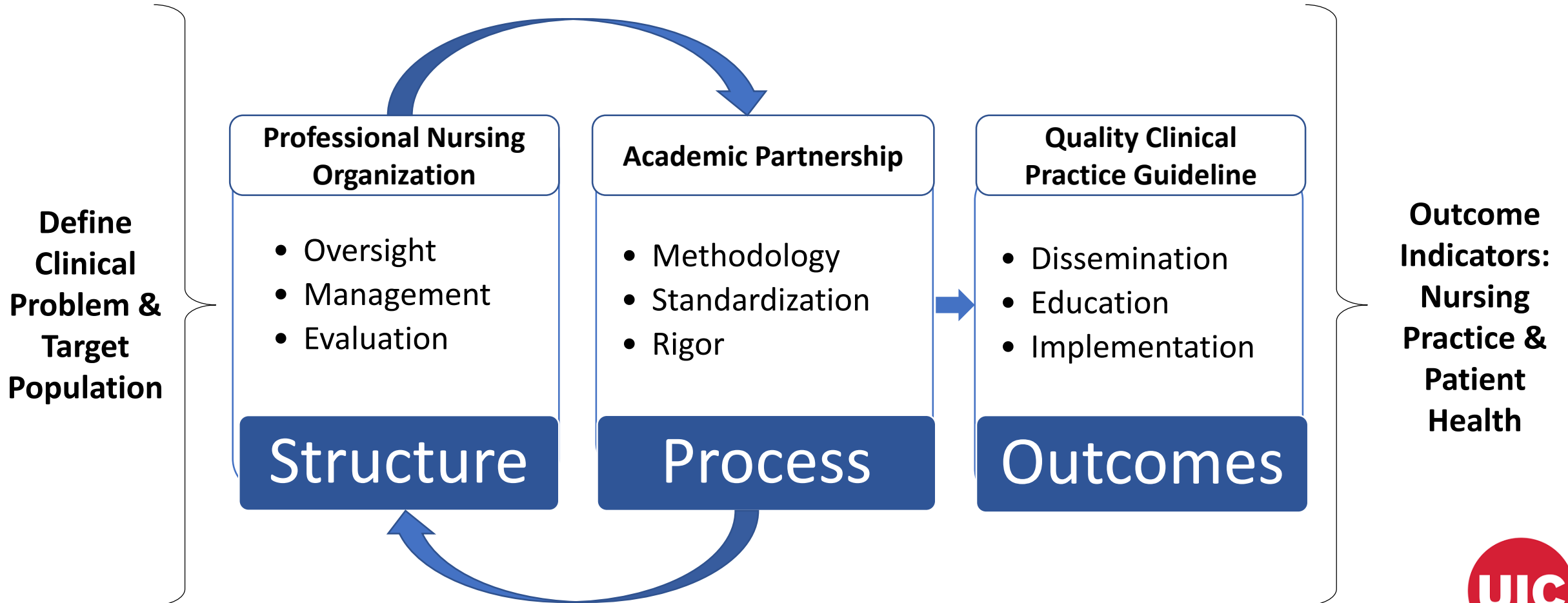


Model for Developing Evidence-based Clinical Practice Guidelines



To offer professional nursing organizations, nurse scholars, nurse specialists and nurse leaders a systematic and standardized process to create a body of evidence-based clinical practice guidelines.

Model for Developing Evidence-based Clinical Practice Guidelines for Nursing



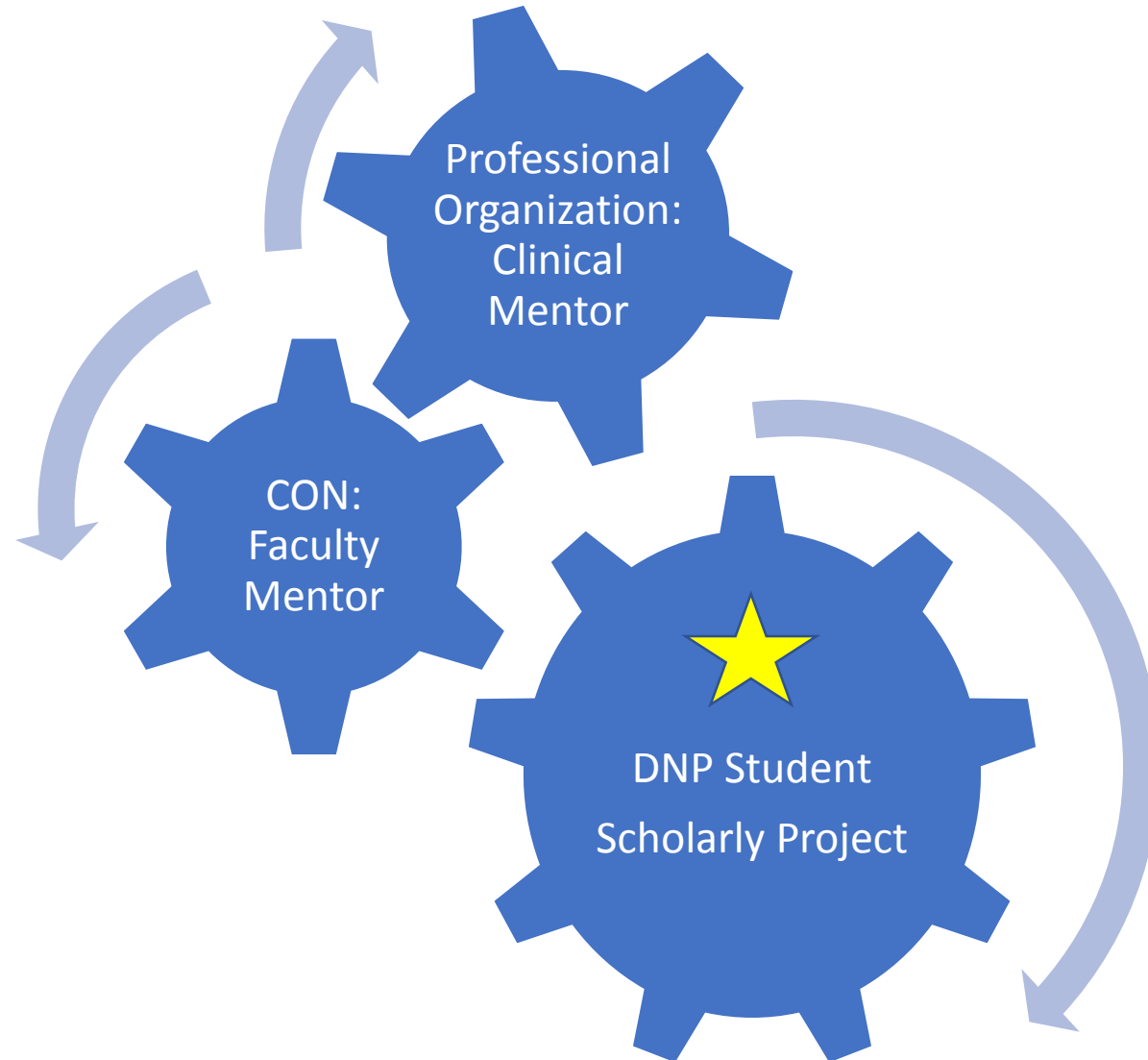
Pilot: *School Nursing Evidence-based Clinical Practice Guideline: Students with Seizures and Epilepsy*



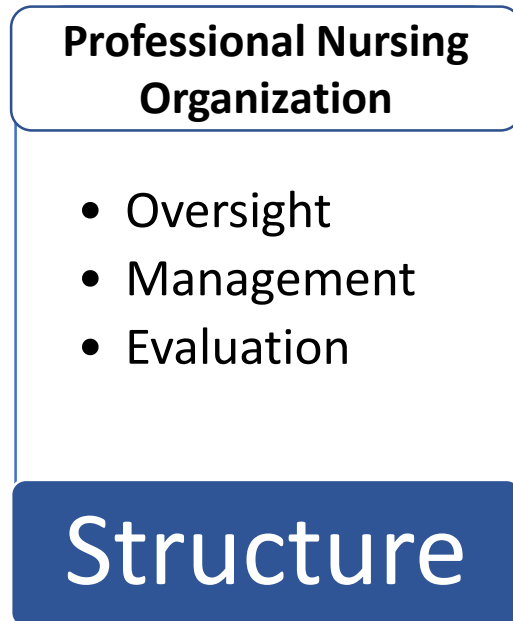
'THAT'S NEW'

Lepkowski & Maughan for the National Association of School Nursing. (2018).

Connecting the *CPG Model* to DNP scholarly projects!



Model for Developing Evidence-based Clinical Practice Guidelines for Nursing



- Identify priority topics
- Approve proposals
- Team composition
- Project timelines
- Documentation & submission
- Review & appraisal
- Revision & adoption
- Dissemination
- Sustainability

Model for Developing Evidence-based Clinical Practice Guidelines for Nursing



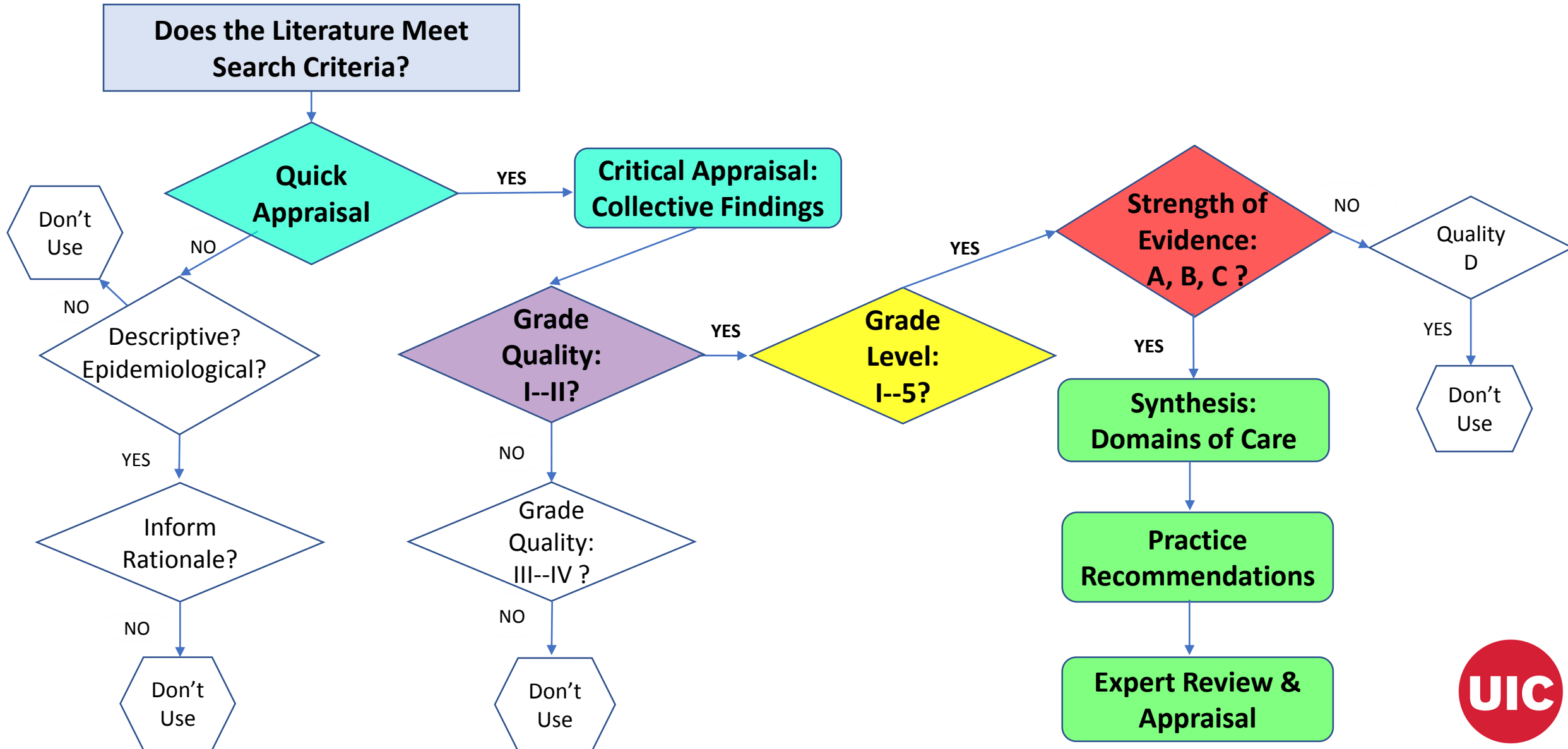
- Rationale
- Purpose
- Methodology (*CPG Model*)
- Definition of terms
- Literature search & selection
- Critical appraisal & synthesis of evidence
- Formulate practice recommendations
- Format according to the *Nursing Process & Domains of Care*

Model for Developing Evidence-based Clinical Practice Guidelines for Nursing



- Literature search & selection
- Critical appraisal & synthesis of evidence

Clinical Practice Guideline Evidence Decision Tree



Evidence Collective Findings Table

RESEARCH ARTICLES

Reference (Author, Year, Title*)	Purpose/Research Question	Study design, sample size, & characteristics	Major strengths (S) & Limitations (L)	Summary of Findings & Recommendations	Q u a l i t y	L e v e l	S t r e n g t h	Domains of Care (Themes)
1.								
2.								

OTHER EVIDENCE-BASED RESOURCES (Non-research articles, electronic sources)

Reference (Author, Year, Title)	Purpose	Description (literature review, guideline, practice/policy, etc.)	Major Strengths (S) and Limitations (L)	Summary of Findings and Recommendations	Q u a l i t y	L e v e l	S t r e n g t h	Domains of Care (Themes)
1.								
2.								

Grading the QUALITY of Evidence

<i>Quality</i>	<i>Descriptor</i>
I	Acceptable quality: No concerns
II	Limitations in quality: Minor flaws and inconsistencies in the evidence
III*	Major limitations in quality: Many flaws in the evidence
IV*	Not acceptable: Major flaws in the evidence
<i>*Do not include sources of quality levels III & IV in the synthesis</i>	

Grading the LEVEL of Evidence

<i>Level</i>	<i>Descriptor</i>
1	Evidence from systematic reviews, meta-analysis, evidence guidelines and evidence summaries (expert panel recommendations)
2	Evidence obtained from well-designed RCTs
3	Evidence from well-designed case-control and cohort studies & systematic reviews of descriptive & qualitative studies
4	Evidence from clinical research critiques, integrative literature reviews, practice guidelines, clinical reference texts, legal mandates
5	Evidence from expert opinion, case reports, professional policy or position paper

Grading the **STRENGTH** of Practice Recommendations from the Evidence

<i>Strength</i>		<i>Descriptor</i>
A	Strong Evidence	Based on consistent and good quality evidence; has relevance and applicability to school nursing practice
B	Moderate Evidence	Based on evidence of moderate rigor or with minor inconsistencies in quality; has relevance and applicability to school nursing practice
C	Limited Evidence	Based on evidence that is limited, low level, or has major inconsistencies in quality; has relevance and applicability to school nursing practice
D	Insufficient Evidence	Insufficient or no evidence upon which to make a recommendation; based on traditional practice alone

**Do not include sources of Strength Level D in CPG Recommendations*

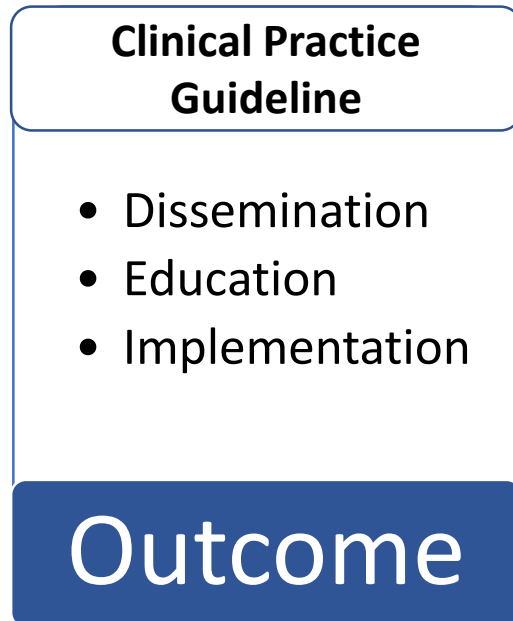


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- Formulate practice recommendations
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- Clinical practice recommendations according to the *Nursing Process & Domains of Care*



School Nursing Evidence-based Practice Clinical Guideline: Students with Seizures and Epilepsy

Lepkowski, A. M. & Maughan, E. D. for the National Association of School Nurses. (2018).

<https://www.pathlms.com/nasn/courses/8992>



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THANK YOU!

QUESTIONS/COMMENTS?

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