

Evidence-Based Practice Algorithm User Guide





Objectives

The EBP algorithm will enable the user to:

- Navigate through the EBP process effectively and successfully
- Formulate a PICO question
- Locate and appraise the available evidence
- Synthesize the available evidence
- Develop recommendations based on level, quality & strength of evidence
- Plan for translating evidence into practice

Format

- The steps in the algorithm flow sequentially
- All the resources are available via links in the algorithm.
- **Icons:**
 - The book  icon means resources are available via the link.
 - The pen  icon indicates that worksheet/table template is available for use

1. Formulate the PICO Question

- The steps involved
 - Identify a clinical question
 - Formulate the EBP question in PICO format
 - Refer the [PICO anatomy guide link](#) to create the PICO question
 - Use the [PICO question template link](#) to write the PICO question

2. Locate, appraise, and synthesize the evidence

Step I- Locate and organize internal* & external evidence*

Search for evidence relevant to your question using key terms

Step II- Categorize, Appraise and Rate the Evidence

Access the **Table of Evidence (Action Link)** and enter the sources identified in your search

Use the **Level of Evidence and Checklists (Resource Links)** as resources for appraisal

Step III- Evaluate strength & quality of evidence

Use the **GRADE Tool (Resource Link)**

***Internal evidence**- patient outcomes/quality metrics

***External evidence**-best evidence from well-designed studies

Phase II-Locate, appraise, and synthesize the evidence

Step IV- Complete the Evidence Synthesis table(s)

Use the **Evidence Synthesis Table (Resource Link)** to organize the evidence

Step V- Organize the outcome summary specific to your PICO question

Use the **Evidence Outcome Summary (Action link)** to complete
Evaluate the strength of evidence using the **Grade Tool (Resource link)**

Step VI- State your recommendations in the table provided at

Develop Recommendations Based on Level, Quality, and Strength of Evidence (Action link)

Identify the evidence as Strong, Weak or No evidence

3.Translate Evidence into Practice

Step 1- If there is **strong evidence** based on your findings,
evaluate current clinical practice

- Identify any gaps** in practice from the available evidence
- If practice is based on evidence,** continue current practice
- If current practice is not based on evidence,** implement the identified evidence-based recommendations

3.Translate Evidence into Practice

Step II- If there is **weak evidence** based on your findings, **evaluate current clinical practice**

a. **Identify any gaps** in practice from the available evidence

-**If practice is based on evidence**, continue current practice

-**If current practice is not based on evidence**, implement the identified evidence-based recommendations

AND

b. **Ensure safe practice** based on scientific principles and observed positive outcomes

c. **Conduct research**

3.Translate Evidence into Practice

Step III- If there is **no evidence** based on your findings,

- a. Ensure safe practice based on scientific principles and observed positive outcomes
- b. Conduct research