Assess

HID 1 -EBM Master Worksheet

1. **What is your scenario?**

Respond here.

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**Ask**

1. **What kind of question are you asking? Check one.**

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| --- | --- |
|  | * Diagnosis
* Test/screening evaluation – patient or population may or may not have a specific disease, condition or injury; goal is to recommend a test, screening or other assessment for determining the presence or absence of the disease, condition, etc., or
* Differential diagnosis – patient presents with signs and symptoms of disease; goal is to determine which disease is most likely
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|  |
|  | * Prognosis – patient or population may or may not have a specific disease, condition, or injury; goal is to estimate the possible outcomes of disease(s) and the frequency with which they can be expected to occur
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|  |
|  | * Therapy – patient or population may or may not have a specific disease, condition or injury; goal is to evaluate a therapeutic or preventive intervention
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|  |
|  | * Etiology/harm
* patient or population has or may have a disease, condition, or injury; present patient with an evaluation of a therapeutic, preventive, screening or diagnostic intervention, or
* patient’s or population’s condition is incidental to target behavior; present patient an evaluation of a non-therapeutic exposure or behavior
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|  |

1. **What are your background questions? List names of sources consulted.** Tip: background questions fill in your general knowledge gaps about a certain condition, illness, medication, or some aspect of health status.

Respond here.

1. **What is your PICO?**
* Patient/Population – most important characteristics and/or conditions.

Intervention/Exposure

Respond here.

* Diagnosis – clinical assessment, screening, or diagnostic test
* Prognosis – either: A) assessment of an outcome over time, or B) assessment of one or more predictors, or C) evaluation of the clinical use of prognostic information
* Therapy – medical, surgical or preventive intervention
* Etiology/harm – either: A) therapeutic, diagnostic, prognostic or preventive intervention, or B) non-therapeutic exposure or behavior

Respond here.

Comparison

* Diagnosis: compared to an alternative or standard assessment; sometimes answer is “nothing”
* Prognosis: compared to an alternative or standard care; sometimes answer is “N/A”
* Therapy: compared to an alternative or standard treatment when evaluating the use of prognostic information; sometimes answer is “N/A” or “placebo”
* Etiology/harm: compared to a control or alternative exposure; sometimes answer is “N/

Respond here.

 Outcome

* Diagnosis – measures of likelihood of disease; measure of performance; or measure of utility/practicality of screening, test, or other assessment; often enough, the goal of a diagnostic question is to find a “sensitive and specific” measure
* Prognosis – likelihood of outcome, effect of predictor(s) on likelihood of outcome, or magnitude of effect of use of prognostic information
* Therapy – measures of likelihood on patient important outcomes
* Etiology/harm – measures of effect on likelihood of an outcome attributable to the intervention, or effect attributable to the exposure or behavior

Respond here.

1. **Clearly and concisely state your foreground question.** Tips: use the components of your PICO. Try to avoid ambiguous terms such as “best.”

Respond here.

Acquire

1. **What study type is best suited for answering this type of question?** Check all that apply.

|  |  |  |  |
| --- | --- | --- | --- |
|  | case control study |  | meta-analysis |
|  | cohort study |  | guideline |
|  | randomized controlled trial |  | health technology assessment |
|  | systematic review |  | other (specify) |

1. **What resource(s) did you choose to search in?**

|  |  |  |  |
| --- | --- | --- | --- |
|  | PubMed |  | EMBASE |
|  | PubMed Clinical Queries |  | PIER |
|  | Cochrane Library |  | Clinical Evidence |
|  | Trip Database |  | other (specify) |

1. **Delineate your search strategy in writing (or attach your strategy).** Be sure to include important keywords and MeSH terms, that is, list significant words, phrases, and subject headings. List Boolean operators used. Tip: if using PubMed, copy the relevant search(es) from the “History” tab.

Respond here.

1. **List those article(s) that you will appraise.** Tip: if available, include a PMID.

Respond here.

Appraise

1. **To what extent are the results valid?**
2. How compelling is the research argument articulated by the authors?
3. How appropriate were the control/treatment groups? Are there concerns about bias in the selection/recruitment of participants?
4. How valid were the outcome measures? Are there outcome measures that were not included that should have been included?
5. Were potential confounders clearly articulated and addressed by the author in the design of the study?
6. Were the conclusions drawn by the authors appropriate based on the results they found?
7. How generalizable are the results/conclusions?

Respond here.

Apply

1. **Present your recommendations as if you are talking to your “patient.”** Use simple, non-technical words. Explain the nature of the “patient’s” complaint, what options are available, and, based on the evidence, the strengths and weaknesses of each option to help the “patient” make an informed decision.

Respond here.