FAQs of Integrative Reviews

• What, Where, and How

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Integrative Review Process

• Research reviews are research of research
  – Should meet the same rigorous methodological standards as primary research in terms of clarity, rigor, & replication

• Systematic Approach to Enhance Rigor
  – Problem Formulation
    • Narrow clinical topic with a focused question
Examples of Integrative Reviews

- Hourly Nurse Rounding
- Hospital Acquired Pressure Ulcers
  - Clinical question
  - Evidence Search
  - Critique & Evaluation
  - Synthesis
  - Summary
Question Formation

- **P**atient Population
- **I**ntervention or Interest Area
- **C**omparison Intervention
- **O**utcome
- **T**ime
The Clinical Question

Hourly Rounding

“What is the effect of hourly rounding by nursing staff in the acute care hospital setting, as compared to current practice?”

Pressure Ulcers

“What are the predictors of Pressure Ulcers (PU) in high risk adult patients in the acute care hospital setting?”
Integrative Review FAQs

• Where do I find the evidence?
• When do I stop looking?
• What counts as “evidence?”
• Doesn’t expert opinion count?
• How do I control bias?
Where do I find the evidence?

- Electronic databases
- Journal articles
- References
- Professional organizations
- Web-based search engines
Electronic Databases

- Cumulative Index to Nursing and Allied Health Literature (CINAHL)
- Ovid
- Medline
- PubMed
- EBSCO Host
- ClinicalTrials.gov
- Grateful Med
- Joanna Briggs Institute
- Virginia Henderson Library

KP Clinical Library Website

http://cl.kp.org

Medical Life Science Librarians
Use their expertise!
**Synthesis of the evidence findings is the major activity of the integrative review**

- Do not make database searches the major activity of the integrative review
  - Don’t get lost in databases!
The Searchable Question

**Hourly Rounding**
- **Search Terms:** Hourly rounding, hourly surveillance, nursing rounds, nurse rounding, nurse surveillance, outcomes, patient comfort rounds
- **Limits:** 2000-2007
- **Databases:** Cochrane, CINAHL, Ovid, PubMed, PSYCHOinfo
- **Web-Based:** Yahoo

**Pressure Ulcers**
- **Search Terms:** Braden Scale, operating room, pressure ulcer prevention, critical care, intensive care
- **Limits:** 1992-2006; 2002-2007
- **Databases:** Cochrane, CINAHL, Ovid, Medline, Pub Med
- **Web-Based:** AORN website, Yahoo, Google
When do I stop looking?

- When you have hit “saturation”
  - Need an exhaustive evidence review
  - When you start seeing the same articles, authors, themes, & patterns
  - When the same references are being cited in similar articles
  - When you can’t find any relevant evidence
# Hourly Rounding: Relevant Evidence

<table>
<thead>
<tr>
<th>Key Search Terms (2000 to 2007)</th>
<th>Search Results</th>
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Pressure Ulcers: Relevant Evidence

• 2006 review for PU prediction & prevention
  – 83 articles/abstracts; 18 selected as relevant

• 2008 review update
  – Two WOCN interviewed for expert opinions
  – 282 articles; 14 reviewed, 8 selected as relevant
    • 4 articles from original review eliminated

• 22 total relevant articles
**What is relevant?**

- **Definition of relevant:**
  
  “Having a bearing on or connection with the matter at hand”
  
  (www.dictionary.com)

- Does the evidence have a direct bearing on or connection with the clinical question?
What counts as "evidence?"
Doesn’t expert opinion count?

• Yes, but ensure the experts are qualified
  – Evidence quality improves when experts are:
    • Nationally & internationally known
    • Conducted high quality research
    • Published their results in peer-review journals
  – Panel of experts from different geographic areas with expertise in complementary areas
Integrative Review FAQ's

How do I control bias?

- Integrative reviews use a subjective viewpoint – yours!
  - Don’t “cherry pick” evidence to support your own viewpoints
- Control for possible bias by:
  - Objective colleagues to screen results
  - Clinical expert review
  - Independent reviews of the same topic
Evidence Search FAQ

How do I control bias?

Keep an open mind!