Survey feedback

- Effective, efficient, comfortable
- Quality Physical Therapy sources
- Search techniques
- UBC Library
- Handling technical difficulties
- Critical appraisal
- Reference
OBJECTIVES

By the end of this workshop we will have:

– Reviewed UBC Library services
– Created a clinical question using PICO
– Explored and appraised Key PT EBP sources for a question
– Discovered search tools in Pubmed
SCHEDULE or TIMETABLE

• UBC Library review
• PICO
• PT Sources of evidence
• PUBMED
UBC LIBRARY

- **www.library.ubc.ca**
- Login with CWL; AskAway; Research help
- General search & other tabs
  - Summon: Full text, books/ebooks
  - Folders and citing
- **Physical Therapy Research Guide**
  - Orientation; PT resources; workshop slides
PICO EXAMPLE

What evidence is there that exercising with videogaming systems improves balance in aged people who have had a stroke?
CLINICAL QUESTION

Among people who have had a stroke (P)
Do video systems such as wii, kinect (I)
Improve balance (O)?
Activity: PICO

- Review your scenario
- Identify the P I C O elements
- Write a clinical question
- Review
Sources of evidence – EBP

Explore the 6S Pyramid

- **SYSTEMS**: are electronic systems which can be sophisticated enough to link to patient records and to prompt practitioners about guidelines for care.
- **SUMMARIES**: provide an outline of management options for a given health issue. Summaries incorporate the highest quality and most synthesized sources of research evidence.
- **SYNOPSIS OF SYNTHESIS**: summarize the findings and implications of high quality systematic reviews.
- **SYNTHESIS**: are systematic reviews that provide rigorous summary of all primary research evidence that could be found relevant to a particular focused question.
- **SYNOPSIS OF SINGLE STUDIES**: provide brief summaries of results and implications of single high-quality studies.
- **STUDIES**: are related to a particular focused question.
Sources

• Background questions:

• Use:
  – Textbooks; Evidence based resources; Internet websites

• Search technique:
  – 1 or 2 concepts from PICO
Activity: Background

• Check out the P element
  1. Go to Background resources
     ➢ e.g. a Textbook, Encyclopedia
  2. Go to the 6S Pyramid
     ➢ An EBP resource e.g. Dynamed, Clinical Key
     ➢ PT site eg Rehab+, Pedro
  3. An Internet site
     ➢ e.g. Wikipedia, Google
• On worksheet appraise the source
Tips

• Textbooks - general information;
  – Look for a chapter
  – Consider manifestation of the disease eg paresis for stroke

• Point of Care tools
  – Look for condition
  – Check out management or treatment

• PT sources
  – Use Advanced search
BREAK
"A Systematic Review attempts to identify, appraise and synthesize all the empirical evidence that meets pre-specified eligibility criteria to answer a given research question using explicit methods aimed at minimizing bias to inform decision making."

Cochrane Handbook for Systematic Reviews of Interventions: http://handbook.cochrane.org
FINDING SR and Studies

• Pubmed Clinical Queries
  – Systematic Reviews
  – Clinical topics: therapy, diagnosis etc.

• Go to Pubmed via Library homepage
  – Search your question using *Clinical Queries*
Database searching

Efficiency: working in a well-organized and competent way

• Well Organized
  – Structured searching

• Competent
  – Subject headings, keywords, boolean operators, limits
Licensed topical databases

- PUBMED/
  - MEDLINE
- EMBASE
- CINAHL
- Other

Peer reviewed

Specialised

Scholarly

Specific
PUBMED

- Description
- Search tools
  - Clinical Queries
  - Search details
  - Related searches
  - Limits
  - Saving search
MEDLINE: PUBMED AND MEDLINE

- Some in-process citations
- Some older and non-medical material
- Some eBooks

MEDLINE

Articles which have been processed (indexed)
Have MeSH
Search tools and techniques

Logical combinations

mORe

OR
Search tools and techniques

Logical combinations

Less

AND
Limits or Refine

• Person characteristics
  – Age, Sex, Ethnicity

• Publication characteristics
  – Type, Date, Language
WRAP UP

• TODAY WE COVERED:
  – UBC Library services and resources
  – How to use PICO to design search process
  – Pre-appraised evidence sources for Rehab
  – Search tools in Pubmed

• Any questions – Feedback form
Resources

• PT Research Guide
  – Finding the Evidence

• Course Guide PHTH 526
  – Slides and Handouts
  – OVID Tutorials

• Library
  – Charlotte charlotte.beck@ubc.ca
  – Information Desk
NEXT STEPS

• In class quiz Feb 19
• Next session on Mar 5 at Woodward Library Computer Lab (3 groups)