

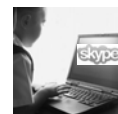
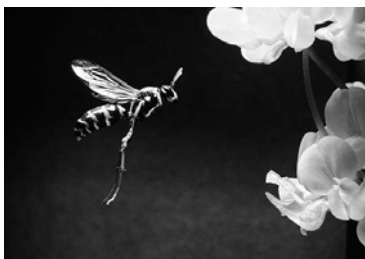
Clinicians and Technology: Accessing Evidence Based Information in your PT Practice

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How do we find the necessary
information to make life easier?



Evidence Bas

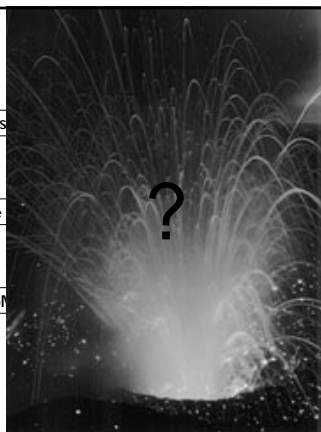
e in Motion

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Where do we go?

Purpose

- To investigate and monitor specific practice habits of physical therapist clinical instructors (CIs)
- To determine the best ways to demonstrate support and development of CIs.

Purpose

Materials/Methods

- Survey Study
 - Participants
 - 433 US based physical therapists currently contracted as clinical educators with the University
 - Received survey and SASE
- Response rate = 40%
 - N=175



Materials/Methods

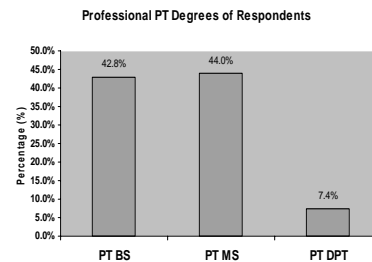
Characteristics of Respondents

- Mean career experience
 - 13 years \pm 9.2 SD
- 61% APTA members (n=107)
- 41% were CI credentialed (n=72)



Results

Figure 1: Physical Therapy Degrees of Respondents



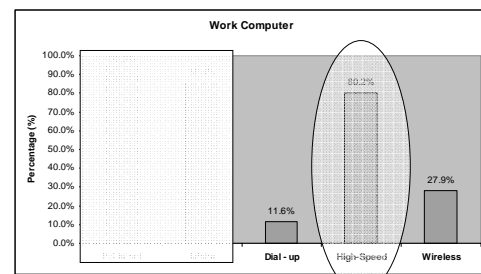
Results

Use of Technology

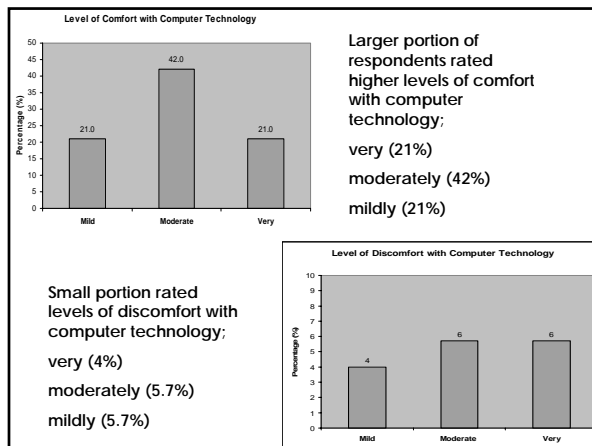
- 98% (n=172) reported using a computer at work and/or home for work-related duties
- Majority had access to technology necessary to access and download scientific articles
 - Figure 2

Results

Figure 2: Computer Technology Used by Clinical Instructors at Work



Results

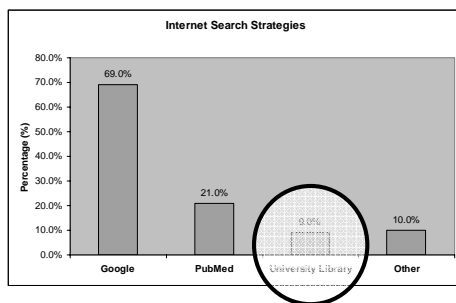


Use of Technology

- 78% (n=136) reported accessing scientific articles via internet in past six-months
 – Figure 3

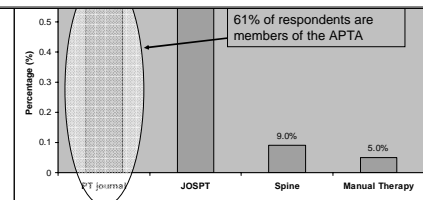
Results

Figure 3: Search Strategies Used by Clinical Educators

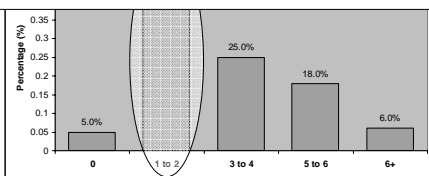


Results

What types of journals?



Average number of articles read/month



How can we support our clinical faculty?

“Meaningful” Methods of Clinical Faculty Support

- Access to university-based full text articles (51%)
- Credit toward a continuing education course hosted by university (29%)
- Article summaries in specialty categories provided on CD (28%).

Results

Conclusion

- Some CIs may derive benefit from specific educational strategies designed to:
 - improve access to technology
 - use technology and
 - apply evidence obtained using current technology

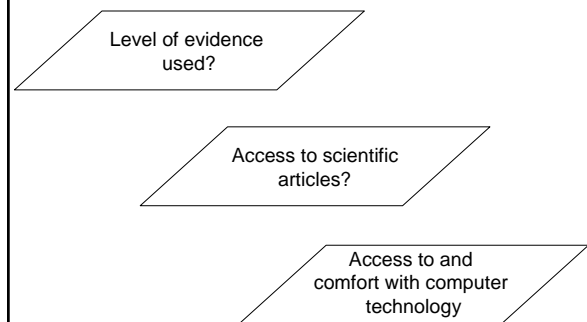
Conclusion/Relevance

Relevance

- Help to identify the needs of clinical faculty
 - assist in the design of specific educational outreaches (e.g., gaining access to electronic library search engines)
- Help CIs become more familiar with current best-evidence.
- Likely work towards improving the clinical learning environments of entry-level physical therapy students

Conclusion/Relevance

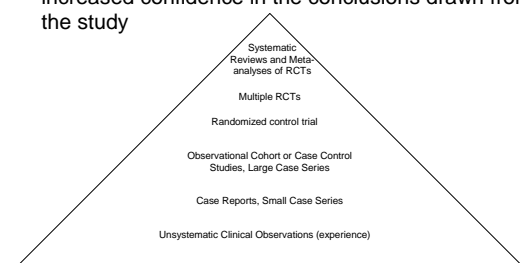
Accessing Evidence



Hierarchy of Evidence for Treatment

Evidence Hierarchy

- Higher levels of study design allow you to have increased confidence in the conclusions drawn from the study



Finding Information

I have a clinical question that I need to research and I would like a full-text article

Option A:

- Search databases on APTA website
- Search directly on a journal website. (PT Journal, JOSPT)
 - Note: You must be a subscriber

Option B:

- Search **free** databases that may have **free** full-text articles available

Option C:

- Receive access to a database or
- Subscribe to a database

Option A(1):

- Search databases on APTA website. (<http://www.apta.org>)

APTA's Hooked On Evidence
Systematic reviews of literature, specifically interventions, must be an APTA member

<http://www.hookedonevidence.com>

Open Door

- ProQuest
- CINAHL

- Hooked on Evidence
ADD process of investigating question
- Open Door
 - ProQuest
 - CINAHL

Option A(2):

- Search directly on a journal website. (PT Journal, JOSPT)

Multiple subscriptions can add up!

APTA sections with their own journals: aquatic therapy, geriatrics, orthopedics, neurology, pediatrics, sports, women's health

See [Sections](#) for specific membership and section fees

- PT Journal
 - <http://www.ptjournal.org/>
 - Online Now
 - Rapid Responses
 - The Bottom Line
- SOWH
 - <http://www.womenshealthapta.org/>

Option B:

- Search **free** databases that may have **free** full-text articles available

PubMed - Free access to Medline
<http://www.ncbi.nlm.nih.gov/entrez/query.fcgi>

Scholar Google - Similar to PubMed
<http://scholar.google.com/>

PEDro - Links to Pubmed, good place to search
<http://www.pedro.fhs.usyd.edu.au/index.html>

National Guideline Clearinghouse - Good for broad topics
<http://www.guidelines.gov>

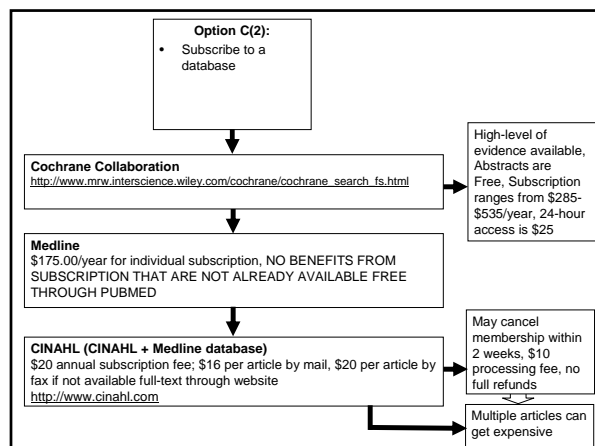
Feeling Lucky? - Quick way to answer a clinical question
<http://www.bestbets.org>

Option C(1):

- Receive access to a database

- Hospital libraries
- Local libraries
- University libraries

- Local library
 - Full-text articles or interlibrary loan (ILL)
 - May be less convenient
 - \$ for copies for copy machine; ILL is usually free
- University library
 - ADD link and demonstrate search?



Other APTA Resources

- Interactive Guide to Physical Therapist Practice
- CONNECT
- OPTIMAL
- High Wire Press

Interactive Guide to PT Practice

Other APTA Resources

- CONNECT
- OPTIMAL
- High Wire Press



THANK YOU!

<http://academic.regis.edu/clinicaleducation>

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