Starting Point

Question:

What is the role of librarians in evidence-based medical practice and especially in the production of systematic reviews?
Information in the Digital World

Especially:

- In the light of not just the **volume** of information.

  But also the

  - **diversity** of information
  - **location** of information
  - **authority** of information.
An Ovid Perspective...as a Journey!

START

Databases
- MEDLINE
- Embase
- PsycINFO
- EBMR

Journals

Electronic Libraries

Books

Learning Aids

Clinical Support Tools

FINISH
An Ovid Perspective...as a Journey!

Brief tour to demonstrate the
- **volume** of information
- **diversity** of information
- **location** of information
- **authority** of information.
Databases

Challenge 1: Volume

Observation: Databases have grown dramatically

Source: https://www.nlm.nih.gov/pubs/techbull/so16/so16_medline_45.html
Databases

Ovid MEDLINE Essentials:

Provider: NLM, USA
Type: Bibliographic
Focus: Biomedical
Scope: 1946 to date
Journals: 5,600
Records: 28 million
Databases

Challenge 1: Volume

**Question:** How can I locate RCTs on Ovid MEDLINE?

**Answer: Limits**

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<thead>
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<tbody>
<tr>
<td>Clinical Trial, Phase I</td>
</tr>
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<td>Clinical Trial</td>
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Note: Limit is “Publication Types”

**Answer: Search Filters**

```
Randomised Controlled Trials as Topic/       
Randomized controlled trial/                
Random allocation/                          
Double blind method/                        
Single blind method/                        
Clinical trial/                             
Exp Clinical Trials as Topic/               
Or/1-7                                      
(clinicS adj trialS1).tw.                   
((singlS or doublS or trebS or triplS) adj (blindS3 or maskS3)).tw. 
Placebos/                                  
PlaceboS.tw.                               
Randomly allocated.tw.                      
(allocated adj2 random).tw.                 
Or/9-14                                    
8 or 15                                    
Case report.tw.                            
Letter/                                     
Historical article/                        
Review of reported cases.pt.               
Review, multicase.pt.                       
Or/17-21                                   
16 not 22                                  
```
Databases

Observation: **Structure and system facilitates specific searching**
Observation: **Ovid MEDLINE is a useful comparator**...
## Databases

### Challenge 1: Volume

Observation: **Ovid MEDLINE is a useful comparator... v. Embase**

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<td>Embase</td>
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**Databases**

**Challenge 1: Volume**

**Observation:** *Ovid MEDLINE is a useful comparator... v. PsycINFO*

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Observation: Ovid MEDLINE is a useful comparator... v. EBMR

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Observation: Ovid MEDLINE is a useful comparator... v. EBMR
Databases

Challenge 2: Variety

Ovid MEDLINE
Publication Types:

- Addresses
- Autobiography
- Bibliography
- Biography
- Case Reports

Database Variations:

Embase
Publication Types:

- Abstract Report
- Article
- Article in Press
- Books
- Book Review

PsycINFO
Publication Types:

- 0100 Journal
- 0110 Peer-Reviewed Journal
- 0120 Non-Peer-Reviewed Journal
- 0130 Peer-Reviewed Status Unknown
- 0200 Book

Document Types:

- Abstract Collection
- Bibliography
- Chapter
- Clarification
- Column/Opinion
Databases

Challenge 2: Variety

Publication Types:

Ovid MEDLINE
Publication Types: (70)

Embase
Publication Types: (18)

PsycINFO
Publication Types: (10)

Database Variations:

Question: Just how important is this?
Databases

Challenge 2: Variety

Observation: ADRs are also reported in other publication types

7% of the total are from these other Publication Types
Databases

Challenge 3: Location

Question: Which database and then which segment as well as what time frame?
Databases

Challenge 3: Location

Observation: Google is perceived as an alternative option
Databases

Challenge 3: Location

Observation: OvidInsights – Making Ovid content discoverable
Databases

Challenge 3: Location

Observation: Ovid Discovery – Similarly with **your** content as well
<table>
<thead>
<tr>
<th>Databases</th>
<th>Challenge 4: Authority</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ovid MEDLINE</td>
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<td>Embase</td>
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</table>
Challenge 4: Authority

Ovid MEDLINE

Embase

PsycINFO

EBMR
Databases

**Challenge 4: Authority**

- **Ovid MEDLINE**
- **Embase**
- **PsycINFO**
- **EBMR**

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**Cochrane Handbook for Systematic Reviews of Interventions**

Version 5.1.0

Edited by: Julian PT Higgins and Sally Green

[Image of Cochrane Handbook]

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**European Medicines Agency**

[Image of European Medicines Agency website]

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Books

Challenge 4: Authority

Books by Title - K

Kaplan & Sadock's Comprehensive Textbook of Psychiatry (10th...
Kaplan & Sadock's Comprehensive Textbook of Psychiatry...
Kaplan & Sadock's Comprehensive Textbook of Psychiatry (8th...
Kaplan & Sadock's Concise Textbook of Clinical Psychi...
KAPLAN & SADOCK'S Concise Textbook of Clinical Psychi...
Kaplan & Sadock's Pocket Handbook of Clinical Psychi...
Kaplan & Sadock's Concise Textbook of Ovid and Adolescen...
Kaplan & Sadock's Pocket Handbook of Clinical Psychi...

Wolters Kluwer
Journals

Challenge 4: Authority
Challenge 4: Authority

Electronic Libraries
Challenge 4: Authority
Learning Aids

Challenge 4: Authority
Clinical Support Tools

Challenge 4: Authority
Clinical Support Tools  Challenge 4: Authority
So with the journey complete...
...what is the role of librarians...

...in evidence-based medical practice now

in the light of the

- **volume** of information.
- **diversity** of information
- **location** of information
- **authority** of information?
Seeking Answers – “Ask” Ovid!

Look for literature relating to,

- information competence, information literacy
- media competence, media literacy
- digital competence, digital literacy
- health literacy etc
Observation: The idea lacks precision and hence presence
Seeking Answers – “Talk” to TED!

Source: TED Talk, *The incredible inventions of intuitive AI* by Maurice Conti
https://www.ted.com/talks/maurice_conti_the_incredible_inventions_of_intuitive_ai
A Starting Point For Inspiration?

“hunter-gatherer age”

Source: TED Talk, *The incredible inventions of intuitive AI* by Maurice Conti
https://www.ted.com/talks/maurice_conti_the_incredible_inventions_of_intuitive_ai
A Starting Point For Inspiration?

Source: TED Talk, *The incredible inventions of intuitive AI* by Maurice Conti
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A Starting Point For Inspiration?

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A Starting Point For Inspiration?

Source: TED Talk, *The incredible inventions of intuitive AI* by Maurice Conti
https://www.ted.com/talks/maurice_conti_the_incredible_inventions_of_intuitive_ai
A Starting Point!

Source: TED Talk, *The incredible inventions of intuitive AI* by Maurice Conti
https://www.ted.com/talks/mauriceconti_the_incredible_inventions_of_intuitive_ai
A Starting Point – Suggestion

Librarians have a **pivotal role** to play helping medical researchers and clinical practitioners **better critically assess** the information they seek and use to make decisions...
A Starting Point – Suggestion

...and with respect to systematic reviews why not see and position yourselves as Systematic Review Augmentors!
Thank you for listening.

Michael.Fanning@wolterskluwer.com

Further Information: www.ovid.com
Starting Point – A Suggestion

<table>
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<th>#</th>
<th>Searches</th>
<th>Results</th>
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<th>Annotations</th>
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<td>More ▼</td>
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Starting Point – A Suggestion

### Search History

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Save | Remove | Combine with | AND | OR

Save All | Edit | Create RSS | View Saved