Before we start

× Please open a separate tab on your browser for this website:

PollEV.com/kellogglibra530
OR
Text: KELLOGGLIBRA530 TO 37607
   (text message) (text number)
Which health databases have you used?
Beyond PubMed

Melissa Helwig & Jackie Phinney
W.K. Kellogg Health Sciences Library

May 30, 2019
Webinar
Housekeeping
Learning Objectives

By the end of this session, you should be familiar with:

● Point of Care tools that are available through Dalhousie
● The Cochrane Library

...And you will gain knowledge and hands-on experience in:

● Research databases such as EMBASE, CINAHL, PsycINFO, and SPORTDiscus

...Which will allow you to discover that:

● There are a lot of great places (and reasons) to look for health sciences information, other than always using PubMed!
1. Point of Care Tools
What Are Point of Care Tools?

There are different types of health sciences database tools available to you. One type are **Point of Care Tools**:

Tools that provide summarized evidence to medical professionals at the immediate point of care (hospital wards, busy clinics, etc.)

Evidence is brought together and evaluated based on strength of research findings, so treatment decisions can be made without having to dig through the literature first.
Some Tools You Can Use

We have mobile apps!

Point of care tools at Dalhousie cover:
✓ Clinical decision Aids
✓ Evidence-based topic summaries
✓ Differential diagnosis
✓ Drug information resources

www.dal.ca.libguides.com/mobile/healthapps
Point of Care Tools

- Micromedex
- RxTx
- DynaMed Plus
- Lexicomp
- BMJ Best Practice

...And also
The Cochrane Library

All Maritime Provinces have FREE access—even from your computer at home!!
### Cochrane Reviews matching depression in Title Abstract Keyword

<table>
<thead>
<tr>
<th>Rank</th>
<th>Title</th>
<th>Authors</th>
<th>Summary Information</th>
</tr>
</thead>
</table>
| 1    | Music therapy for depression                                           | Sonja Aalbers, Laura Fusar-Poli, Ruth E Freeman, Marinus Spreen, Johannes CF Ket, Annemiek C Vink, Anna Maratos, Mike Crawford, Xi-Jing Chen, Christian Gold | Show Preview  
Intervention  
Review  
16 November 2017  
Conclusions changed |
| 2    | Alprazolam for depression                                               | Harm van Marwijk, Gideon Allicke, Frankje Wegman, Arjan Bax, Ingrid I Riphagen | Show Preview  
Intervention  
Review  
11 July 2012 |
| 3    | Collaborative care for depression and anxiety problems                 | Janine Archer, Peter Bower, Simon Gilbody, Karina Lovell, David Richards, Linda Gask, Chris Dickens, Peter Coventry | Show Preview  
Intervention  
Review  
17 October 2012 |
These databases are

When poll is active, respond at PollEv.com/kellogglabra530  Text KELLOGGLIBRA530 to 37607 once to join
2. Research Databases
Prepare A Question in 2 Minutes

Using the “Create a Research Question” sheet, come up with a question that you will search across all of today’s databases.
EMBASE

❌ Biomedical focus
❌ Includes over 2000 journals not found in PubMed, in multiple languages
❌ Searching tips:
  - How to access
  - Keywords and/or using the thesaurus (Emtree)
  - Drug dosage and disease searching
  - Search filters
Research Question #1

At a recent check up, a 58 year old patient has been identified as prediabetic. They heard about a new diet on the news and are wondering if following the Mediterranean diet might be beneficial for their condition.
As you type it will make suggestions
Search results

1. Assessing compliance with Paleolithic diet by calculating Paleolithic Diet Fraction as the fraction of intake from Paleolithic food groups
   Rydhög B., Granfeldt Y., Frassetto L., Fontes-Villalba M., Carrera-Bastos P., Jönsson T.
   Embase Abstract Index Terms Get it DAL

2. Lifestyle Interventions to Prevent Cardiovascular Events After Stroke and Transient Ischemic Attack
   Velliparam A.R., Rodriguez G., Rawla P., Maud A., Cruz-Flores S., Khatri R.
   Current Cardiology Reports 2019 21:6 Article Number 44 Cited by: 0
   Embase MEDLINE Abstract Index Terms Get it DAL

3. Nutrition, weight loss, and type 2 diabetes
   The Lancet Diabetes & Endocrinology
   The Lancet Diabetes and Endocrinology 2019 7:6 (413-
What happened to the search string

('mediterranean diet'/exp OR 'mediterranean diet') AND ('impaired glucose tolerance'/exp OR 'impaired glucose tolerance')

✗ Terms with /exp behind it is the Emtree term
✗ Terms with ‘ ’ around them are just keyword searches
✗ Embase suggested term for prediabetes was used

✗ So how could we tweak this search? Extra terms?
Adjusting the search

✗ Review the search details in your Embase quick search and decide which terms work and what you might need to add
✗ Unsure if a term works – look the term up in Emtree and check out the definition
✗ Add some keywords to the search, aka other terms that describe the disease, drug, situation
Add some more keywords

What other terms could we add to fill out our search strategy?
What other terms could we use for impaired glucose tolerance?
### Adjusted search

**Search Query:**

- "mediterranean diet" OR "mediterranean diet"
- "impaired glucose tolerance" OR "impaired glucose tolerance"
- "prediabetes" OR "pre-diabetic" OR "prediabetic"

**Results:**

<table>
<thead>
<tr>
<th>#</th>
<th>Title</th>
<th>Authors</th>
<th>Journal</th>
<th>Year</th>
<th>Citations</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Assessing compliance with Paleolithic diet by calculating Paleolithic Diet Fraction as the fraction of intake from Paleolithic food groups</td>
<td>Rychhögl B., Granfeldt Y., Frassetto L., Fontes-Villalba M., Carrera-Bastos P., Jönsson T.</td>
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<td>0</td>
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<td>2</td>
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<td>Current Cardiology Reports 2019 21:6 Article Number 44 Cited by: 0</td>
<td>2019</td>
<td>0</td>
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<td>3</td>
<td>Nutrition, weight loss, and type 2 diabetes</td>
<td>The Lancet Diabetes &amp; Endocrinology</td>
<td>The Lancet Diabetes and Endocrinology 2019 7:6 (413-)</td>
<td>2019</td>
<td>0</td>
</tr>
</tbody>
</table>
YOUR TURN

Please take 5 minutes and try searching for your topic in EMBASE

Link to access in the chat box
Search Syntax

✘ One word, plural, other endings? Use * in Embase
  ○ Econ* = economic, economics, economist, economical, econazole, econoneurocardiologic, economy

✘ Test searching, one of the following terms:
  ○ Vaccin*
  ○ Vaccination*
  ○ Potato*

✘ Quotes – exact phrases but in Embase use the apostrophe around the ‘your term’

✘ Near function is an option in Embase.
  ○ Example: 'influenza vaccine' NEAR/3 (pain OR fear OR 'sadness')
CINAHL

X Nursing and Allied Health focus
X Contains more than 1 million records in multiple languages
X Searching tips:
  ○ How to access
  ○ Keywords and/or using the thesaurus (Cinahl headings)
  ○ Search filters
  ○ Exporting references
It's a good idea to OR your CINAHL heading with a keyword(s), then hit Search.
<table>
<thead>
<tr>
<th>Glucose Tolerance Tests Use: Glucose Tolerance Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glucose Metabolism Disorders</td>
</tr>
<tr>
<td>Impairment, Health Professional</td>
</tr>
<tr>
<td>Lactose Tolerance Test</td>
</tr>
<tr>
<td>Impaired Verbal Communication (NANDA)</td>
</tr>
<tr>
<td>Glucose Clamp Technique</td>
</tr>
<tr>
<td>Bleeding Time</td>
</tr>
<tr>
<td>Maximum Tolerated Dose</td>
</tr>
<tr>
<td>Glucose Intolerance</td>
</tr>
<tr>
<td>Risk for Impaired Skin Integrity (NANDA)</td>
</tr>
<tr>
<td>Children of Impaired Parents</td>
</tr>
</tbody>
</table>
Again, it's a good idea to OR your CINAHL heading with a keyword(s), then hit Search.
<table>
<thead>
<tr>
<th>Search ID#</th>
<th>Search Terms</th>
<th>Search Options</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>S5</td>
<td>S2 AND S4</td>
<td>Expander - Apply related words</td>
<td>View Results (32)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Search modes - Boolean/Phrase</td>
<td></td>
</tr>
<tr>
<td>S4</td>
<td>(MH &quot;Prediabetic state&quot;) OR TX Prediabetic OR TX Prediabetes</td>
<td>Expander - Apply related words</td>
<td>View Results (2,833)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Search modes - Boolean/Phrase</td>
<td></td>
</tr>
<tr>
<td>S3</td>
<td>(MH &quot;Prediabetic state&quot;)</td>
<td>Expander - Apply related words</td>
<td>View Results (1,306)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Search modes - Boolean/Phrase</td>
<td></td>
</tr>
<tr>
<td>S2</td>
<td>(MH &quot;Mediterranean diet&quot;) OR TX mediterranean diet</td>
<td>Expander - Apply related words</td>
<td>View Results (2,775)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Search modes - Boolean/Phrase</td>
<td></td>
</tr>
<tr>
<td>S1</td>
<td>(MH &quot;Mediterranean diet&quot;)</td>
<td>Expander - Apply related words</td>
<td>View Results (1,542)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Search modes - Boolean/Phrase</td>
<td></td>
</tr>
</tbody>
</table>
Live Demo
Your Turn

Please take 5 minutes and try searching for your topic in Cinahl

Link to access in the chat box
PsycINFO

✗ Behavioural science and mental health focus
✗ Indexed literature dates back to 1880s with coverage in multiple languages
✗ Searching tips:
  ○ How to access
  ○ Keywords and/or using the thesaurus (Thesaurus)
  ○ Search filters
  ○ Exporting references
Same interface as CINAHL, except for 2 small differences.
Live Demo
Your Turn

Please take 5 minutes and try searching for your topic in PsycINFO

Link to access in the chat box
SPORTDiscus

Χ Sports and sports medicine focus
Χ Literature dates back to 1892 with more than 2.3 million records in 56 different languages
Χ Searching tips:
  ○ How to access
  ○ Keywords and/or using the thesaurus (Thesaurus)
  ○ Search filters
  ○ Exporting references
Same interface as CINAHL and PsycINFO
Live Demo
Your Turn

Please take 5 minutes and try searching for your topic in SPORTDiscus

Link to access in the chat box
What database are you keen to search again?
Did you find results for your topic in all of the databases?

Yes

No

Maybe
<table>
<thead>
<tr>
<th>Vote for your preferred database</th>
</tr>
</thead>
<tbody>
<tr>
<td>PubMed</td>
</tr>
<tr>
<td>Embase</td>
</tr>
<tr>
<td>CINAHL</td>
</tr>
<tr>
<td>PsycINFO</td>
</tr>
<tr>
<td>SPORTDiscus</td>
</tr>
</tbody>
</table>

It's back to google for me
3. Discussion
THANKS!

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