Please go to:
www.pollev.com/zachmeyers048
OR
Text zachmeyers048 to 22333
then wait for instructor prompt

[On the next screen, you do not need to enter your name or User Data – just hit “Continue”.]
Moving from Google Expert to Care Provider Toolkit Pro: Becoming a Resource Savvy Clinician

MEGHAN JOHNSTON, MD
ZACH MEYERS, MD
Objectives

1. Find UW library website and log-on easily
2. Identify the right tools at the right time to answer questions
3. Learn about new resources for real time clinical questions
4. Become a resource for colleagues in your practice
Disclosures

- None
Benefits of teaching (for UW)

- Renewed passion for job
- Increased job satisfaction
- Improved boards performance
- Be someone’s mentor or role model
- Get access to Health Sciences Library/CareProvider Toolkit
Have your NetID?

- What is a NetID?
- How to get it?
- Do I already have it?
- How to find out...
- Regional contacts... mtassist@uw.edu
There are 4 things we need you to complete to begin the faculty appointment process.

1. Curriculum Vitae (CV)

If you already have a CV, please be sure that it has all of the items from the checklist included on it.

Need to create a CV? We have two ways to help you with this:

a) WWAMI SOM Word CV Template

b) CV Generator – Complete this form and we will generate a CV that will be emailed to you within 48 hours.

2. WWAMI Personal Data Form: Click here for the form

3. UW Criminal Conviction Disclosure Form*: Click here for the form
   Only required for appointments in a clinical science department.

4. Washington State Patrol Form*: Click here for the form
   Only required for appointments in a clinical science department.

*These two forms are used to initiate a criminal conviction background check. A-Check Global is the consumer reporting agency vendor that conducts background checks for the university. You will receive an email from them as your appointment is nearing completion. Please be sure to open the email and complete it as it will expire in 3 days after it is received.
I have a NetID but I forgot what it is...

What is a UW NetID

UW NetID stands for University of Washington Network Identification. Your UW NetID and password are your account for accessing your UW information and other online services.

**Creating a UW NetID for someone else? Stop now!** UW Privacy Policy prohibits anyone—such as family members, new-hire coordinators, coworkers and supervisors—from creating a UW NetID for someone else.

To begin, choose an option below.

- [ ] I already have a UW NetID
- [ ] I have a UW NetID but no password
- [ ] I don't have a UW NetID (or I'm not sure)

Next > Cancel

Need help? Call the UW-IT Service Center at 206-221-5000.

Protect your privacy! Prevent unauthorized use! When you are finished, log out by completely exiting your Web browser. [Logout instructions]
<table>
<thead>
<tr>
<th>I use UW CareProvider Toolkit</th>
</tr>
</thead>
<tbody>
<tr>
<td>What’s this you speak of?</td>
</tr>
<tr>
<td>I have heard of it, but don’t use it</td>
</tr>
<tr>
<td>Rarely</td>
</tr>
<tr>
<td>Often</td>
</tr>
<tr>
<td>Regularly as part of my clinical practice and/or teaching</td>
</tr>
</tbody>
</table>
To get to CareProvider Toolkit I ....
Getting there

- Google careprovider toolkit
- https://hsl.uw.edu/toolkits/care-provider/
- Take a second to bookmark or save this site as a favorite
57 year old gentleman presents to clinic with moderate left knee pain. He is concerned that he has arthritis and worries about taking daily NSAIDs. He wonders if there is anything else he can take to help his arthritis. “Does that glucosamine and chondroitin stuff work?”
Searching for Evidence Pyramid: Basic

- Background Information, Expert Opinion
- Research Articles (RCTs, Cohort Studies, Qualitative Studies, etc.)
- Evidence Guidelines
- Evidence Summaries & Abstracts
- Systematic Reviews & Meta-Analyses
- MetaSearch Engines (ex. TRIP)

Quality of Evidence
PICO

P = Patient or Problem
I = Intervention, Exposure, or Diagnosis
C = Comparison or Control
O = Outcome

(Straus: Elsevier 2011)
<table>
<thead>
<tr>
<th>Using PubMed</th>
<th>PubMed Tools</th>
<th>More Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>PubMed Quick Start Guide</td>
<td>PubMed Mobile</td>
<td>MeSH Database</td>
</tr>
<tr>
<td>Full Text Articles</td>
<td>Single Citation Matcher</td>
<td>Journals in NCBI Databases</td>
</tr>
<tr>
<td>PubMed FAQs</td>
<td>Batch Citation Matcher</td>
<td>Clinical Trials</td>
</tr>
<tr>
<td>PubMed Tutorials</td>
<td>Clinical Queries</td>
<td>E-Utilities (API)</td>
</tr>
<tr>
<td>New and Noteworthy</td>
<td>Topic-Specific Queries</td>
<td>LinkOut</td>
</tr>
</tbody>
</table>

**SERVICES**
- Micromedex
- ClinicalKey

**PROJECTS**
- Scopus
- Web of Science

**Your Library Account**
Finding specific articles

- “Hey Meghan, there’s an article I wanted to read on osteonecrosis and knee arthroplasty, can you find it for me?”
- “Hey Meghan, does vitamin D reduce the risk of developing osteoporosis in post-menopausal women?”
- “Are there any updates to the treatment of hospital-acquired pneumonia?”
Purple First!

Requesting an article:

Not available online. Click Availability & Request Options to see request options

Additional services

Request an article scan (~1-2 days)

Have questions or need help? Ask Us
You are in a busy clinic, and need to look up the diagnostic work up of something right now/point of care (in a patient room, or just before going back in). What resource to you reach for?

<table>
<thead>
<tr>
<th>Google</th>
</tr>
</thead>
<tbody>
<tr>
<td>Your specialty website</td>
</tr>
<tr>
<td>(AAFP, ACP, ACOG etc)</td>
</tr>
<tr>
<td>Up To Date</td>
</tr>
<tr>
<td>Call a colleague/specialist</td>
</tr>
<tr>
<td>Other....</td>
</tr>
</tbody>
</table>
What do you use?

Google?
Up To Date?
Other?
You see something in clinic and aren't quite sure what it is. How do you generate a differential?

- Google
- Ask your colleague/student
- VINDICATE or VITAMINS ABCDEK
- VisualDx
- Diagnosaurus
Case 2

- The case of the $1000 capsules
Find the evidence

- Cochrane Database of Systematic Reviews
- DARE
- TRIP Database
- Systematic Review/Meta Analysis filters in PubMed, CINAHL, PsycINFO, etc.

- UpToDate
- Dynamed
- Clinical Evidence
- ACP Journal Club
  - Essential Evidence +
  - Evidence Updates

- PubMed
- CINAHL
- PsycINFO
- CENTRAL
- TRIP
- Web of Science

- ClinicalKey
- AccessMedicine
- Other Clinical Textbooks

Background Information & Expert Opinion

Meta Analysis
Systematic Reviews
Critically Appraised Sources
Randomized Controlled Trials
Cohort Studies
Case Control Studies
Case Reports/Case Series

Appraised/Filtered
Unfiltered
Find the evidence

- Cochrane Database of Systematic Reviews
- DARE
- TRIP Database
- Systematic Review/Meta Analysis filters in PubMed, CINAHL, PsycINFO, etc.

- UpToDate
- Dynamed
- Clinical Evidence

- PubMed
- CINAHL
- PsycINFO
- CENTRAL
- TRIP
- Web of Science

- ClinicalKey
- AccessMedicine
- Other Clinical Textbooks

- Meta Analysis
- Systematic Reviews
- Critically Appraised Sources
- Randomized Controlled Trials
- Cohort Studies
- Case Control Studies
- Case Reports/Case Series
- Background Information & Expert Opinion

Appraised/Filtered
Unfiltered
evidence summary was up-to-date in June 2017. See summaries of product characteristics (SPCs), British national formulary (BNF) or the MHRA or NICE websites for up-to-date information. Regulatory status: Regulatory

2017 National Institute for Health and Clinical Excellence - Advice

3. Clostridium difficile infection in children

Clostridium difficile infection in children

2017 DynaMed Plus

4. Clostridium difficile infection

Clostridium difficile infection

2017 DynaMed Plus

5. Clostridium difficile-associated disease

Clostridium difficile-associated disease Clostridium difficile-associated disease - Symptoms, diagnosis and treatment | BMJ Best Practice You'll need a subscription to access all of BMJ Best Practice Search & Clostridium difficile-associated disease Last reviewed: September 2018 Last updated: September 2018 Important updates UK guidance recommends faecal microbiota transplant for recurrent of refractory C difficile infection Updated guidelines on the management of Clostridium difficile (...) of Clostridium difficile infection (CDI) have been

2018 BMJ Best Practice
Find the evidence

- Cochrane Database of Systematic Reviews
- DARE
- TRIP Database
- Systematic Review/Meta Analysis filters in PubMed, CINAHL, PsycINFO, etc.

- UpToDate
- Dynamed
- Clinical Evidence
- ACP Journal Club
- Essential Evidence+
- Evidence Updates

- PubMed
- CINAHL
- PsycINFO
- CENTRAL
- TRIP
- Web of Science

- ClinicalKey
- AccessMedicine
- Other Clinical Textbooks

Background Information & Expert Opinion

Meta Analysis

Systematic Reviews

Critically Appraised Sources

Randomized Controlled Trials

Cohort Studies

Case Control Studies

Case Reports/Case Series
**EBM Guidelines**

**Summary Clinical Texts**

(4 Results)

- Probiotics for children receiving antibiotics
- Probiotics for treatment of Clostridium difficile-associated colitis in adults
- Antibiotic treatment for Clostridium difficile-associated diarrhea (CDI) in adults
- Probiotics for the prevention of Clostridium difficile-associated diarrhea in adults and children
Find the Evidence

- Essential Evidence
- TRIP Database
- ACCESSS
- Cochrane Library
- BMJ Best Practice
The evidence RUNS the show
Some recommendation/reference texts are LOOSE guidelines (based on expert opinion)
This answer was needed with URGENCY
The answer left me with more SOLID awareness
Helpful websites

- Want to design a new clinic or hospital protocol?
  **OCCAM**

- Are your students rotating with a specialist and want to know how to prepare?
  **NEJM Resident 360**

- Are your patients curious about whether there’s a trial for them?
  **www.clinicaltrials.gov**
Helpful phone apps

Read Outstanding Topic Reviews

- Systemic lupus erythematosus: Classification of renal disease
- Proliferative lupus nephritis: Clinical trials of immunosuppressive therapy
- Systemic lupus erythematosus in adults: Diagnosis
- Systemic lupus erythematosus: Pathogenesis & mechanism of disease

Review
Neutrophils in the pathogenesis and manifestations of SLE.

Systemic lupus erythematosus (SLE) is an autoimmune disease of unclear etiology that affects mostly women of childbearing age. Profound abnormalities in both innate and adaptive immune responses are critical in the pathogenesis of SLE. Neutrophils play a key role in the pathogenesis of SLE and manifest various abnormalities in SLE patients. Neutrophils are involved in the production of autoantibodies and in activation of innate immunity. Neutrophils also participate in immune complex-mediated inflammation and may contribute to the pathogenesis of lupus nephritis.

Review
Taming lupus—a new understanding of pathogenesis is leading to clinical

Never Miss Practice-Changing Research

Spectrum of gluten-related disorders: consensus on new nomenclature and classification
Get Credit for Up-To-Date

How to:
1) Use the UW library to access the toolkit
2) Get a username/password
3) Submit for CME credit
4) Submit for MOC
Medical librarian

Nicole Dettmar

Schedule an appointment online!

- Mobile Resources
- Request an Article
- Contact a Librarian
- FAQs
- Off Campus Access
- Your Library Account
Objectives

1. Find UW library website and log-on easily
2. Identify the right tools at the right time to answer questions
3. Learn about new resources for real time clinical questions
4. Become a resource for colleagues in your practice
Lessons learned

- Great utility broadly and esoteric
- Will use for protocols
- Toolkit ‘has changed my life’
- Toolkit has a lot of stuff and is VALUABLE
  - Good recruitment tool
Questions/concerns/comments


Other helpful sites

- Patient Education Sites
- Pharm including toolkit
- Micromedex for meds and vaccines
1. Beyond ‘Up To Date’ for clinical questions
2. UW Online Library: Friend or Foe?
3. Moving from Google Expert to Care Provider Toolkit
   Whiz: Becoming a Resource Savvy Clinician
4. Bring FUN back to Fund of knowledge
5. UW: University of Wikipedia or University of Washington? How to Use Resources Efficiently and Effectively
6. Bridging the Gap Between Research/Academia and Clinical Practice
7. From Google Expert to Library Wiz