



Ovid®

Susan Lamprey Sturchio,
MLIS

June 14, 2015



Wolters Kluwer
When you have to be right

A Spectrum of
Resources to Support
Evidence-Based
Medical Research

Evidence is Where Global Healthcare is Headed

“By 2020, 90% of clinical decisions will be supported by accurate, timely and up to date clinical information and will reflect the best available evidence and informed personal preference.”



INSTITUTE OF MEDICINE
OF THE NATIONAL ACADEMIES

*Roundtable on Value and
Science-Driven Care (2011)*

But Keeping up with the Evidence is **Difficult**

Difficult to stay current

- 7,000 articles per specialty, per month published, on average

Difficult to interpret and apply evidence

- Volume of clinical content not in succinct, searchable format for use at the point of care
- Information often does not provide specific recommendations for clinical care

Challenges in retaining knowledge

- Knowledge declines over time, with a significant inverse correlation between examination scores and number of years elapsed since certification

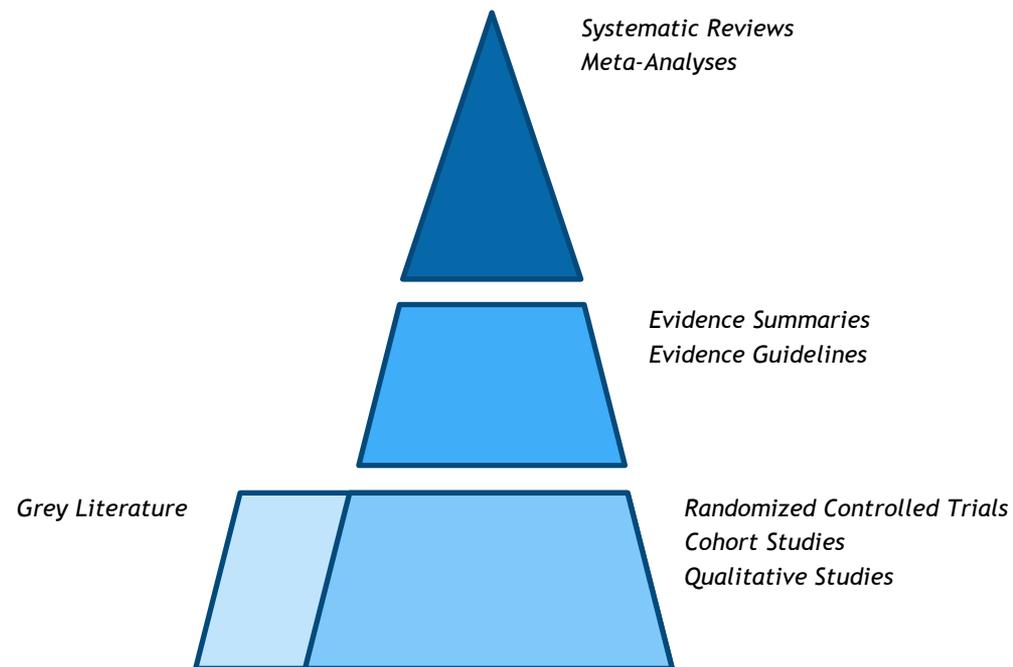
Evidence-Based Content on Ovid

Range of Evidence-Based Content

What kind of content do you need for your research?

The ubiquitous evidence pyramid

Wolters Kluwer's Ovid platform offers an array of evidence from Systematic Reviews to Randomized Controlled Trials to Case Studies.



Let's Start at the Top

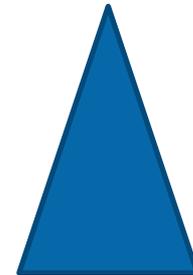
Systematic Reviews and Meta-Analyses

“a review of the evidence on a clearly formulated question that uses systematic and explicit methods to identify, select and critically appraise relevant primary research, and to extract and analyse data from the studies that are included in the review.”¹

“A meta-analysis is the statistical combination of at least 2 studies to produce a single estimate of the effect of the health care intervention under consideration.”²

1. Undertaking Systematic Reviews of Research on Effectiveness. CRD's Guidance for those Carrying Out or Commissioning Reviews. CRD Report Number 4 (2nd Edition). NHS Centre for Reviews and Dissemination, University of York. March 2001.

2. Klassen TP, Jadad AR, Moher D. Guides for Reading and Interpreting Systematic Reviews. 1. Getting Started. Arch Pediatr Adolesc Med 1998;152:700-704



Evidence-Based Medicine Reviews (EBMR)

EBMR is comprised of 7 different databases, a unique implementation only offered by Ovid

The Cochrane Collaboration are founders of the Evidence-Based Practice (EBP) movement and are a “must consult” resource for EBP

*Content from the **Cochrane Collaboration** included in EBMR:*

Cochrane Database of Systematic Reviews (CDSR)

Over 4000 reviews which investigate effects of health care interventions and assess the accuracy of diagnostic tests

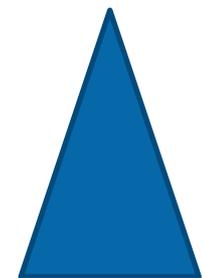
Impact Factor (2012): 5.785 Medicine, General & Internal
(12/155 in General Medicine category)

Includes Methodology Reviews

Cochrane Methodology Register (CMR)

Full-text methodology reviews that summarize the empirical basis for decisions about methods in systematic reviews

Includes complete reviews and protocols



Pulling in Some Middle Range *Evidence Summaries, Guidelines*

“An evidence summary is defined as a short summary of the best available evidence on a defined question, with consideration of implications for further research. It aims to help policy makers use the best available evidence in their decision-making about interventions.”

Haby MM and Merkes M. *Guidelines for evidence summaries for health promotion and disease prevention interventions*. Melbourne: Prevention and Population Health Branch, Victorian Government Department of Health; 2011.



Evidence-Based Medicine Reviews (EBMR)

Also in EBMR:

*Databases from the **NHS Centre for Reviews and Dissemination** (CRD)*

The Database of Abstracts of Reviews of Effectiveness (DARE)

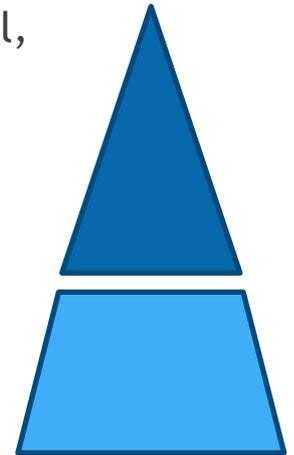
Selected systematic reviews on the effectiveness of clinical interventions and policies from databases such as MEDLINE and through manual review of the primary literature

Health Technology Assessments (HTA)

4,000 records of completed and ongoing assessments of the medical, social, ethical and economic implications of healthcare interventions

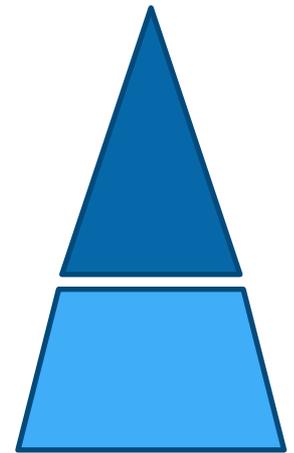
NHS Economic Evaluation Database (NHSEED)

Over 6,000 abstracts of quality assessed economic evaluations to assist decision-makers by systematically identifying and describing economic evaluations, appraising their quality and highlighting their relative strengths and weaknesses



Joanna Briggs Institute (JBI)

- Global leaders in evidence-based healthcare
- Evidence gathered by a network of international experts in over 47 countries in a range of health disciplines
- Focus on quantitative (including economic evidence) and qualitative evidence
- Summarized research designed to be easy to locate, understand and distribute
- Unique resources designed to help assess the quality of research
- 16 focus area “nodes” including newest Pediatrics and Tropical Diseases



Joanna Briggs Institute (JBI)

7 Publication Types

Systematic Reviews

JBI SRs contain implications for research and/or practice

Evidence Summaries

Short summaries of international evidence on common health care interventions, updated yearly. JBI will create summaries as requested

Best Practice Information Sheets

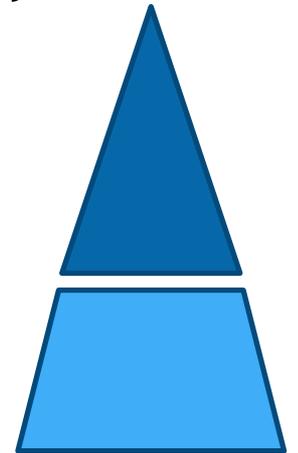
Decision support tool. Short summaries based on recommendations of systematic reviews. BPIS are easily disseminated and provide busy health professionals access to key issues and recommendations

Evidence-Based Recommended Practices

Procedures, equipment list, a recommended practice

Consumer Information Sheets

Technical Reports & Systematic Protocols



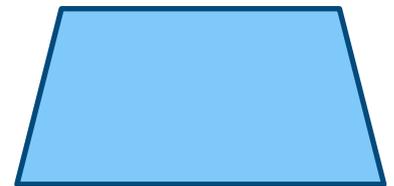
All About That Bass

Randomized Controlled Trials, Cohort Studies, Qualitative Studies

“Randomised controlled trial

A study in which a number of similar people are randomly assigned to 2 (or more) groups to test a specific drug or treatment. One group (the experimental group) receives the treatment being tested, the other (the comparison or control group) receives an alternative treatment, a dummy treatment (placebo) or no treatment at all. The groups are followed up to see how effective the experimental treatment was. Outcomes are measured at specific times and any difference in response between the groups is assessed statistically. This method is also used to reduce bias.”

Glossary. NICE - National Institute for Health and Care Excellence
for Reviews and Dissemination, 2014, <https://www.nice.org.uk/glossary>



Evidence-Based Medicine Reviews (EBMR)

Content from the *Cochrane Collaboration* in EBMR:

Definitive Controlled Trials - The Cochrane Central Register of Controlled Trials

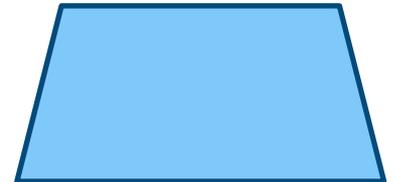
Over 350,000 bibliographic references to controlled trials in health care, and imposes quality control standards on included references to ensure that only reports of definite randomized controlled trials or controlled clinical trials are included

Also in EBMR:

ACP Journal Club from the American College of Physicians

Enhanced abstracts of clinically relevant and sound studies published in top clinical journals. They include commentaries on the applicability of these studies to clinical practice.

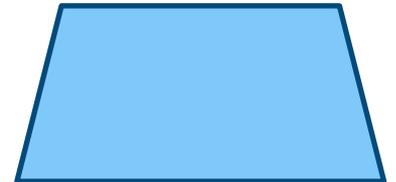
Did you know: In 2009, there was a search in the Cochrane Library (through any provider) every second, an abstract viewed every 2 seconds and a full text download every 3 seconds!



Ovid MEDLINE®

- One of the world's largest bibliographic databases covering medicine, health, nursing, veterinary medicine and biomedical sciences
- Over 20M articles, over 5,500 titles currently indexed
- Has abstracts for over 50% of its journals
- 80% of the citations are in English
- Uses MeSH as its search controlled vocabulary

MeSH - Medical Subject Headings - set of controlled terms from the National Library of Medicine (NLM)



Tree for Pituitary Gland

Database: Ovid MEDLINE(R)

Combine selections with:

Scroll down for highlighted search term.

Select Term(s)	Subject Heading	Hits	Explode	Focus	Scope Note
<input type="checkbox"/> [-] Anatomy (Non MeSH)		0	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> [+] Body Regions		0	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> [+] Musculoskeletal System		2479	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> [+] Digestive System		22064	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> [+] Respiratory System		14259	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> [+] Urogenital System		4754	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> [-] Endocrine System		3558	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> [+] Chromaffin System		3002	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> [+] Enteroendocrine Cells		673	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> [-] Endocrine Glands		8352	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> [+] Adrenal Glands		39296	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> [+] Gonads		7200	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> [+] Islets of Langerhans		33243	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> Parathyroid Glands		10746	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> Pineal Gland		11213	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> Pituitary-Adrenal System		12750	<input type="checkbox"/>	<input type="checkbox"/>	i
<input checked="" type="checkbox"/> [-] Pituitary Gland		40634	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> [+] Pituitary Gland, Anterior		14404	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> [+] Pituitary Gland, Intermediate		57	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> Pituitary Gland, Posterior		4996	<input type="checkbox"/>	<input type="checkbox"/>	i

BIOSIS® Suite

BIOSIS Previews®

- Journal content from Biological Abstracts® along with non-journal content from Biological Abstracts/RRM®
- Comprehensive coverage on virtually every life sciences discipline
- Coverage spans 1926 to the present
- Critical research on current trends and developments

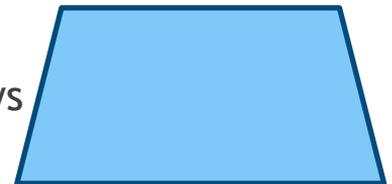
Biological Abstracts®

- Take advantage of the high standards of journal evaluation process, only life science, peer-reviewed original research journals are indexed
- Specialized indexing (MeSH disease terms, CAS Registry, etc)
- Available with over 11.3 million records back to 1926

Biological Abstracts/RRM®

- Discover new applications, techniques and laboratory methods discussed at meetings, months before they are published in journals
- Track the competition
- References over 1,500 meetings, 29,000 patents, 9,000 book reviews references to review articles

**BIOSIS® Suite also includes Zoological Records*



PsycINFO®

- Bibliographic database that indexes publications from 1806 to present
- Scholarly literature in psychology, behavioral sciences, and mental health
- Contains more than 2 million citations, 7% are books and 11% are dissertations



▼ Search History (3 searches) (close) View Saved

<input type="checkbox"/>	# ▲	Searches	Results	Search Type	Actions
<input type="checkbox"/>	1	exp Bullying/	5521	Advanced	Display More >>
<input type="checkbox"/>	2	exp Adolescent Attitudes/	16049	Advanced	Display More >>
<input type="checkbox"/>	3	1 and 2	198	Advanced	Display More >>

[Remove Selected](#) [Save Selected](#) | Combine selections with: [And](#) [Or](#) [RSS](#)

[Save Search History](#)

[Basic Search](#) | [Find Citation](#) | [Search Tools](#) | [Search Fields](#) | [Advanced Search](#) | [Multi-Field Search](#)

1 Resource selected | [Hide](#) | [Change](#)
 ⓘ PsycINFO 1806 to June Week 1 2015

Enter keyword or phrase (* or \$ for truncation)
 Keyword
 Author
 Title
 Journal

▶ [Limits \(expand\)](#)
 Include Multimedia
 Map Term to Subject Heading

To search Open Access content on Ovid, go to [Basic Search](#).

Results Tools [Options](#)

All |

[Print](#) [Email](#) [Export](#) [Add to My Projects](#) [Keep Selected](#)

▼ Search Information [Clear Selected](#)
 View: [Title](#) | [Citation](#) | [Abstract](#)
 25 Per Page [Next >](#)

You searched:
 1 and 2

- The effects of school-level victimization on self-blame: Evidence for contextualized social cognitions. [References].
 - Ovid Full Text
 - Abstract Reference

Embase®

- Excerpta Medica Online
- Major European biomedical and pharmaceutical database, ideal for global pharmaceutical and pharmacological research
- Indexed using Emtree and MeSH
- Has more than 19 million indexed records from more than 7,500 peer-reviewed journals
- Drug and device indexing by trade name, manufacturer name, clinical trials, and more



? Use the Back in Index and Forward in Index buttons to scroll through an index in which a term displays. To enter a new start term, type a term into the box and click the Go button.
To navigate to the top of a new index, click a number tab or letter tab.

SEARCH FOR SELECTED TERMS >>

Enter a new start term: **GO**

0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J K L **M** N O P Q R S T U V W X Y Z

<input type="checkbox"/> macrophytres.dv. Postings: 1	<input type="checkbox"/> macstereology.dv. Postings: 1	<input type="checkbox"/> macvu.dv. Postings: 2
<input type="checkbox"/> macroplastic.dv. Postings: 1	<input type="checkbox"/> macstl.dv. Postings: 1	<input type="checkbox"/> maczip.dv. Postings: 1
<input type="checkbox"/> macroplastique.dv. Postings: 95	<input type="checkbox"/> macsyfinder.dv. Postings: 1	<input type="checkbox"/> mad.dv. Postings: 11
<input type="checkbox"/> macropore.dv. Postings: 43	<input type="checkbox"/> macsymba.dv. Postings: 3	<input type="checkbox"/> mad500.dv. Postings: 1
<input type="checkbox"/> macroporous.dv. Postings: 2	<input type="checkbox"/> macsynergy.dv. Postings: 2	<input type="checkbox"/> mada.dv. Postings: 6
<input type="checkbox"/> macroport.dv. Postings: 4	<input type="checkbox"/> macsyview.dv. Postings: 1	<input type="checkbox"/> madag.dv. Postings: 1
<input type="checkbox"/> macroprere.dv. Postings: 1	<input type="checkbox"/> mact.dv. Postings: 1	<input type="checkbox"/> madajet.dv. Postings: 6

What What?

Grey Literature

"Information produced on all levels of government, academia, business and industry in electronic and print formats not controlled by commercial publishing i.e. where publishing is not the primary activity of the producing body." ¹

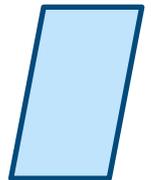
Why Grey Literature?

Searching for unpublished studies or data reduces level of possible bias

Exclusion of grey literature from meta analyses can lead to exaggerated estimates of intervention effectiveness ²

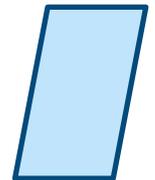
1. ICGL Luxembourg definition, 1997 - Expanded in New York, 2004

2. Laura McAuley, Ba' Pham, Peter Tugwell, David Moher. "Does the inclusion of grey literature influence estimates of intervention effectiveness reported in meta-analyses?" Lancet 2000; 356:1228-31



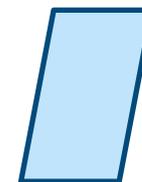
PsycEXTRA®

- PsycEXTRA contains references to grey literature (non-journal literature) these may be multimedia - websites, CDs, DVDs etc, as well as printed materials such as brochures and pamphlets. It contains +320,000 records from 1908 to present, updated biweekly
- Over 70% is available as Full-Text PDFs for printed materials, where the medium permits
- PsycEXTRA is additional information which is not also referenced in PsycINFO, so there is no overlap and these databases may be searched together



Northern Light - Life Sciences Conference Abstracts and Posters

- More than 1,500,000 abstracts and posters from over 1,600 global life sciences conferences
- Abstracts and posters are loaded and searchable within 3 weeks or less of the information being posted on conference sites, and often years before publication in a peer-reviewed journal
- 100% copyright-compliant
- Conferences span 2010-present; new conferences added as abstracts are posted - Updated weekly
- Multimedia content - Posters include data tables, graphs, images, video, and audio
- Information is drawn directly from conference websites - Summaries of conference abstracts and author information remain in the database even when the conference links expire



Why on Ovid?

Benefits of Ovid Search

EBMR Topic Reviews are integrated with Ovid MEDLINE

Allows users to link back and forth between articles reviewed and the reviews themselves

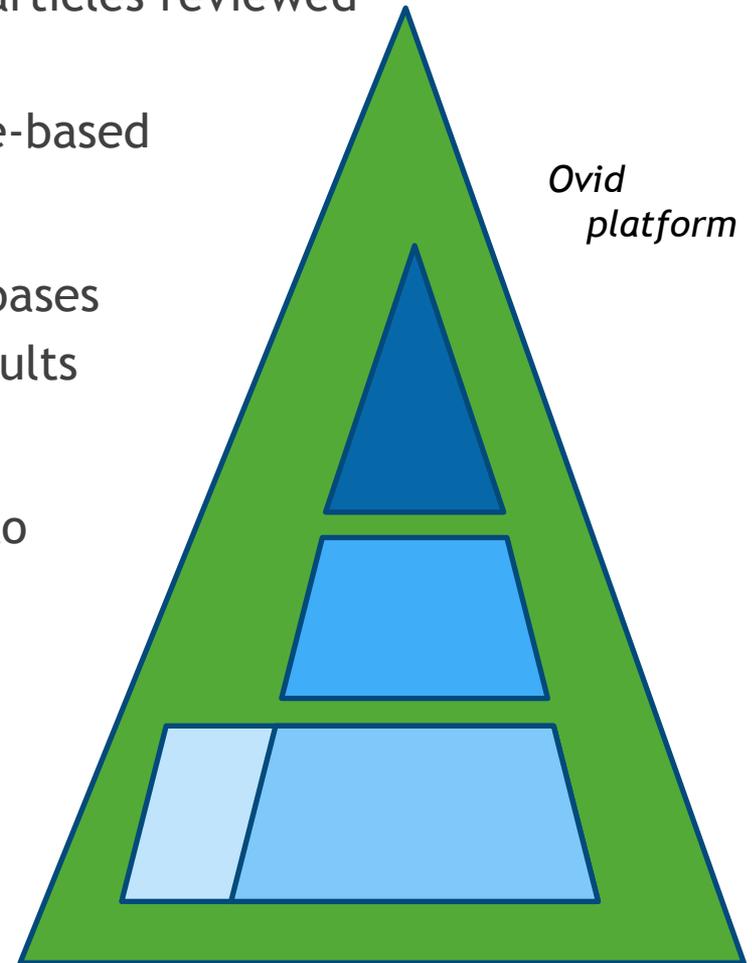
Users can also limit searches to just evidence-based reviews/articles

Multi-file Searching - search two or more databases simultaneously - and Ovid can de-duplicate results

Basic Search/Natural Language Processing

Allows users who don't know MeSH/EMTREE to get to the most relevant review articles - includes synonym expansion.

PsycINFO - Ovid has leveraged several Psychology sources, including the APA's thesaurus, to enhance its already robust lexical database



Multi-database Searching

Ovid® Wolters Kluwer

My Account My PayPerView Ask a Librarian Support & Training Help Logoff

Search Journals Books Multimedia My Workspace Links OvidMD EBP Tools

▼ **Search History** (3 searches) (close) Remove Duplicates View Saved

<input type="checkbox"/>	# ▲	Searches	Results	Search Type	Actions
<input type="checkbox"/>	1	exp posttraumatic stress disorder/ ▶	27186	Advanced	Display More >>
<input type="checkbox"/>	2	exp major depression/ ▶	102513	Advanced	Display More >>
<input type="checkbox"/>	3	1 and 2 PsycEXTRA <1908 to March 09, 2015> (289) PsycINFO <1806 to March Week 2 2015> (2231)	2520	Advanced	Display Delete More >>

Remove Selected Save Selected | Combine selections with: And Or RSS

Save Search History

Basic Search | Find Citation | Search Tools | Search Fields | Advanced Search | Multi-Field Search

2 Resources selected | Hide | Change

📘 PsycEXTRA 1908 to March 09, 2015, 📘 PsycINFO 1806 to March Week 2 2015

Enter keyword or phrase (* or \$ for truncation)

Keyword
 Author
 Title
 Journal

Search

▼ **Limits** (close) Include Multimedia

Abstracts
 All Journals
 Animal

English Language
 Full Text
 Human

Latest Update
 Local Holdings
 PsycARTICLES Journals

PsycEXTRA PDFs
 Test DOI

Publication Year - -

Benefits of Ovid Search, con't

Clinical Queries

Limits from McMaster University—customized for Ovid for EMBASE, Medline, and PsycINFO

My Projects - productivity tool

Create & manage research projects

Add citations, text, PDFs, images, snippets from within Ovid, from the PC, or from external sources

Saved Searches and Auto-Alerts - search once and receive matching citations emailed to you as they are added to the database

Ability to search with full text journal and book content on Ovid

Books & journals (including those focused on evidence and leading general medicine journals) are integrated in Ovid and can be searched in conjunction with databases

Full content integration (reference/full text linking from within reviews)

My Workspace in Ovid

My Projects, Searches & Alerts, eTOCs





My Account
JBI Admin
My PayPerView
Ask A Librarian
Support & Training
Help
Logged in as Susan Lamprey at Ovid
Logoff

Search
Journals
Books
Multimedia
My Workspace
Links ▾
OvidMD
EBP Tools ▾

[My Projects](#) | [My Searches & Alerts](#) | [My eTocs](#) | [Install Toolbar](#)

All Projects ▾
Search

Manage Projects Actions

Name ▲	Items	Modified
📁 Deduplication project	35	2014-Jun-26
📁 Northern Light with...	2	2014-Sep-30
📁 Nursing Management	7	2015-Jun-01
📁 OvidMD Saved Items	8	2013-Mar-28
📁 Susan's Aspirin Search	3	2015-May-18
📁 Teen sports concussi...	38	2014-Nov-03

Teen sports concussion ([Edit](#) | [Delete](#))

0 Folder(s) 38 Item(s)

Select All

Print
 Email
 Export
 Remove

Sort By: ▾
10 Per Page ▾
1 2 3 4 ◀ ▶

1.

Unique Identifier 25153049

Record Owner From MEDLINE, a database of the U.S. National Library of Medicine.

Status MEDLINE

Authors Mannings C; Kalynych C; Joseph MM; Smotherman C; Kraemer DF.

Authors Full Name Mannings, Carol; Kalynych, Colleen; Joseph, Madeline Matar; Smotherman, Carmen; Kraemer, Dale F.

Institution Mannings,Carol. From the Department of Emergency Medicine (C.M., C.K., M.M.), Center for Health Equity and Quality

- Ovid Full Text
- Abstract Reference
- Complete Reference
- Find Similar
- Find Citing Articles
- Document Delivery
- Search in UpToDate

Archived Projects

Name ▲	Items	Modified

0.0 of 50MB Storage used

Trash

Empty Trash now

Messages that have been in Trash more than 30 days will be automatically deleted

Links to Open Access Articles & Internet Resources

Links to your Ovid Full Text, and the option to link to your full text from other providers

Free full text links in Ovid MEDLINE, Ovid Embase, BIOSIS, and PsycINFO to Open Access articles, and MEDLINE links to Internet resources, like Clinical Trials

Relevance: ★★★★★

5. **Systematic characterizations of text similarity in full text biomedical publications.**

Sun Z. Errami M. Long T. Renard C. Choradia N. Garner H.

PLoS ONE [Electronic Resource]. 5(9):e12704, 2010.

[Journal Article. Research Support, N.I.H., Extramural. Research Support, Non-U.S. Gov't]

UI: 20856807

Authors Full Name

Sun, Zhaohui. Errami, Mounir. Long, Tara. Renard, Chr

▶ [View Abstract](#)

- [Abstract Reference](#)
- [Complete Reference](#)

- [Find Similar](#)
- [Find Citing Articles](#)

Full Text X

Please select the Full Text article you wish to view:

- [PubMed Central](#)
- [DOAJ Free Journal Level FT](#)

Evidence is global and emerges every day

- Evidence comes from multiple sources and is rapidly changing
- Evidence is made available in many forms from many providers
 - Databases
 - Point of Care and Clinical Decision Making tools
 - Evidence published in traditional journals and Open Access journals
 - And more

As Research Evolves, Ovid Delivers Precise Medical Insights at your Fingertips



Thank you!