Welcome & Introduction

Objectives:
To build participants introductory knowledge of information sources to support evidence based practice.

Presentation Content:
- Quality information concepts.
- Which databases to use and how to access them.
- Search tips.
- Where to access further assistance.

Duration: 45-60 minutes

Quality Information Sources
Evidence Based Practice

The integration of:
Clinical expertise - experience, education & clinical skills
+ Patient values - personal preferences, unique concerns & expectations
+ Best research evidence - clinically relevant research conducted using sound methodology

= Decision making process for patient care.

(Sackett D, 2002)

Finding Quality Information

• Consider "levels of evidence".

See:
• UK Centre for Evidence Based Medicine.
• Morsels of Evidence: http://evidencebasedmedicine.com.au/?page_i

Finding Quality Information: Health on the Net (HON)

HON Code is a guarantee of quality health information.
• Use Firefox Add-on.
• Search in HON
• Use HONSearch

www.HON.ch
Systematic Reviews: Advantages

Tell you:
- Databases searched,
- Search terms used,
- Type of articles included & excluded.

Results of a systematic review are more robust than a non-systematic review.

Systematic Reviews: Do Your Own Interpretation

- Interesting results but conclusion is often “more research needed”.
- Read the Systematic Review and make up your own mind.
- Still not sure? Obtain the original article/s and review the research yourself.

Systematic Reviews: Limitations

Coverage
- Systematic reviews do not cover every aspect of the evidence.
- Many smaller topics have not been reviewed.
- May only include more rigorous types of evidence e.g. randomized controlled trials, but not other valid research, eg:
  - comparison studies,
  - feasibility tests,
  - evaluation reports.
Systematic Reviews: Limitations

**Timeliness**
- Systematic reviews are usually not completely up to date.
- Time to collect the evidence, test it, write it up and, then publish.
- Often 1-2 years elapses until publishing.
- Most recent research evidence must be searched separately.

Finding Quality Information

- Health information current 5 years (determined by your search topic.)
- Search the Internet but only cite authoritative sources e.g. Universities, Health Organisations.
- For big projects use software (EndNote) to store and retrieve your references & automatically format your bibliography.

How do I start?
Qld Health Libraries Website

A range of helpful resources including:

- Catalogues
- Ask us a question
- Request a journal article or book
- Ask us to search for information
- Register as a library user
- E-resources and E-books
- Subject Guides
- EndNote


Clinical Knowledge Network (CKN)

- Provides online access to a range of core medical, nursing & clinical titles.
- Includes full text e-books, e-journals, patient handouts, drug information and, databases.

Databases include:
- Drug related information (e.g. MIMS, ANH)
- Databases (e.g. CINAHL, Medline, Cochrane)
- Online texts (e.g. Harrisons, e-medicine, Merck) Clinical Practice Guidelines

https://www.ckn.org.au/
State Library Of Queensland

Provides online access to a range of databases.
- Includes full text e-books, e-journals.

Information and registration:
www.slq.qld.gov.au/services/ecard
Health Databases:
www.slq.qld.gov.au/find/articles/databases_health
Databases

Which Database?
There are a number of databases especially useful for Nursing and Allied Health including:

- Cochrane,
- CINAHL,
- OTSeeker,
- Pedro,
- PsycInfo,
- AustHealth/Informit (CKN/view all databases)
- PubMed (Medline),
- SpeechBite.

Other Internet Sources

- National Health System (UK) http://www.nhs.uk/Pages/HomePage.aspx
- Behind the News (UK) http://www.nhs.uk/News/Pages/NewsIndex.aspx
Cochrane Collaboration

Cochrane Collaboration provide independent evidence to inform healthcare decision-making.

• Include reliable evidence systematic reviews, clinical trials, and more across a range of health disciplines.

• Access Cochrane via QHEPS ➔ Library ➔ Online Resources ➔ CKN ➔ Cochrane.

• Or free online at: www.cochrane.org/

PubMed & Medline

PubMed & Medline provide online access to a range of articles, videos, client information resources, and systematic reviews. Includes some full text. Able to use clinical query search strategies.

• Subject strengths: medicine, nursing, allied health.

• Access via QHLW or or free online at:

Joanna Briggs Institute (JBI)

JBI provide online access to a range of articles, client information resources, and systematic reviews. Able to use clinical query search strategies.

• Subject strengths: nursing, allied health, rehabilitation, mental health, infection control.

• Access via QHLW.

• Subscription only service.
Search Tips

Remember Evidence Based Practice!

Use EBP search tools to create your search, eg:

P - patient problem
I - Intervention
C - Comparison
O - Outcome

Further Info: "Evidence Based Medicine Toolkit" / Uni of Alberta
http://www.ebm.med.ualberta.ca/ebm.html
Search Tips

- Use “Controlled Vocabulary”
  ie Medical Subject Headings (MeSH)
- Think laterally – use synonyms
- Use MeSH
- Use retrieved record **suggested terms** for search construction
- Utilise subject headings from retrieved records

**Search Tips**

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Firefox Add-on

**HON** –

Search Tips: MeSH

Use MeSH on Demand
http://www.nlm.nih.gov/mesh/MeSHonDemand.html

Cut and place a block of text or your search question to automatically generate MeSH.

Search Tips

Start with a broad search, then narrow focus:

• Include American and British spelling, e.g.
  • pediatric AND paediatric;
  • aging AND ageing

• Use truncation
  • * or $ e.g. Child* = children,childs,childers, etc

• Use Wildcards
  • ? e.g. He?lth = health, heelth, heolth, etc.

Search Tips

Start with a broad search, then narrow focus:

• Use Boolean operators (AND, OR)
• Advanced Boolean = NOT, WITH

• Use limits (sparingly!)
  • e.g. English language, date range, age, sex

• Use Federated searching (caution!)
EndNote

- For big projects use software (EndNote) to store and retrieve your references & automatically format your bibliography.
- Request installation from QHEPS “Self Service Centre” (for both home and work!)
- Online Tutorials: EndNote Training [www.endnote.com/training](http://www.endnote.com/training)

Help!

Help

Contact the CISS Library Services:
[Saas-library@health.qld.gov.au](mailto:Saas-library@health.qld.gov.au) or ph 3049 1509.

Access web-based tutorials via CKN or your University Library. Topics available include:
- Literature reviews,
- Information tutorials,
- Evidence-based practice,
- Undertaking critical appraisal, and,
- EndNote.
Nearly finished …

• Any questions?
• Thanks for participating.

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Community, Indigenous and Subacute Services
North Lakes Health Precinct
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