



Evidence-Based Medicine Resources

Web Resources:

Evidence Based Medicine Resource Center:

- <http://www.ebmny.org/index.html>
The New York Academy of Medicine in partnership with the Evidence-based Medicine Committee of the American College of Physicians, New York Chapter has received a grant from the National Institutes of Health to develop an Evidence-based Medicine Resource Center.
The Web Page contains references, bibliographies, tutorials, glossaries, and on-line databases to guide those embarking on teaching and practicing evidence-based medicine. It offers practice tools to support critical analysis of the literature and MEDLINE searching, as well as links to other sites that help enable evidence-based medical care.

Evidence Based Medical Newsletters

- <http://www.acponline.org/chapters/ny/newsinfo.htm>

How to read a paper: the basics of evidence based medicine by Trisha Greenhalgh

- <http://www.ucl.ac.uk/primcare-popsci/uebpp/uebpp.htm#HOW>
This web site includes a range of tools for teaching, learning, or finding related web sites.

Centre for Evidence-Based Medicine

- <http://cebm.jr2.ox.ac.uk>
Tools for teaching/learning

Bandolier: National Health Service Research and Development Directorate (Oxford, England)

- <http://www.jr2.ox.ac.uk/Bandolier/>
... from their web site: Bandolier is produced monthly in Oxford for the NHS R&D Directorate. It contains bullet points (hence Bandolier) of evidence-based medicine.

Clinical Practice Guidelines:

National Guideline Clearinghouse(tm) (NGC),

- <http://www.ngc.gov/index.asp>
a public resource for evidence-based clinical practice guidelines. NGC is sponsored by the Agency for Healthcare Research and Quality (formerly the Agency for Health Care Policy and Research) in partnership with the American Medical Association and the American Association of Health Plans.

Healthlinks

- <http://healthlinks.washington.edu/clinical/guidelines.html>
University of Washington: Includes finding tools, full text publications such as the Guide to Clinical Preventive Services, Second Edition 1996, POEMs: Patient Oriented Evidence that Matters, as well as glossaries, calculators, definitions.

NLM PubMed / Clinical Queries using Research Methodology Filters

- <http://www.ncbi.nlm.nih.gov/entrez/query/static/clinical.html>
This specialized search is intended for clinicians with its built-in search "filters" based largely upon Haynes RB et al. Four study categories--therapy, diagnosis, etiology, prognosis--are provided.(Haynes article is found full text at this website.

Databases

HUBNET

- Numerous online citation and full text databases of journal articles and textbooks.
- Access from any computer with access to the Internet from <http://library.kaleidahealth.org/>
- From any Kaleida site open Internet Explore and either link on Library at the top of the Kaleidascope page.
- From anywhere off site you must establish a HUBNET account. To register visit <http://hubnet.buffalo.edu> Click on Account and complete the form. The HUBNET database is updated every Tuesday evening. If you register on Wednesday, your registration will not be valid until the following Tuesday.

Evidence Based Medicine Reviews: Best Evidence (ACP)

- As described in Ovid: Best Evidence, is a joint project of the American College of Physicians and BMJ Publishing Group.
 - Best Evidence (ACP) is the latest addition to a growing collection of Ovid's Evidence Based Medicine Reviews collection.
 - The Best Evidence Collection consists of two journals ACP Journal Club, a publication of the American College of Physicians, and Evidence-Based Medicine, a joint publication with the British Medical Journal Group.
- The editors of Best Evidence screen the top clinical journals on a regular basis and identify studies that are both methodologically sound and clinically relevant. They write an enhanced abstract of the chosen articles and provide a commentary on the value of the article for clinical practice.
- Using this source, clinicians can quickly understand and apply to their practice important changes in medical knowledge, without having to read and synthesize for themselves thousands of journal articles.

Cochrane Database of Systematic Reviews (COCH)

- The database includes the full text of the regularly updated systematic reviews of the effects of healthcare prepared by The Cochrane Collaboration. The reviews are presented in two types:
 - Complete reviews - Regularly updated Cochrane Reviews, prepared and maintained by Collaborative Review Groups
 - Protocols - Protocols for reviews currently being prepared (all include an expected date of completion). Protocols are the background, objectives and methods of reviews in preparation.
- COCH is produced by the Cochrane Collaboration - an international network of individuals and institutions committed to preparing, maintaining, and disseminating systematic reviews of the effects of health care.

DARE

- Full Text database containing critical assessments of systematic reviews from a variety of medical journals. DARE is produced by the expert reviewers and information staff of the National Health Services' Centre for Reviews and Dissemination (NHS CRD) at the University of York, England, and consists of structured abstracts of systematic reviews from all over the world. DARE records cover topics such as diagnosis, prevention, rehabilitation, screening, and treatment.

Books

(library holdings)

Breast cancer screening by mammography [videorecording] : is it effective in women under age 50? / Barbara K. Rimer.

Publication info: Secaucus, NJ : Network for Continuing Medical Education, 1995
WP 815 NCME 673 1995 BGH / GATES / SUBURBAN

Clinical evidence / edited by Stuart Barton.

Publication info: London, England : BMJ Pub. Group : ACP-ASIM, c2000.
WB 102 C6415 2000 WCHOB

Decisions and evidence in medical practice : applying evidence-based medicine to clinical decision making / Richard Gross

Publication info: St. Louis : Mosby, c2001.
WB 102 G878D 2001 GATES

Evidence based cardiology / edited by Salim Yusuf...[et al.]

Publication info: London : BMJ Books, c2000.
WG 166 E93 2000 SUBURBAN

Evidence based cardiology / edited by Salim Yusuf...[et al.]

Publication info: London : BMJ Books, c1998.
WG 166 E93 1998 BGH

Evidence-based cardiology / Peter J. Sharis, Christopher P. Cannon

Publication info: Philadelphia : Lippincott Williams & Wilkins, c2000
WG 39 S531E 2000 SUBURBAN

Evidence-based cardiology / Peter J. Sharis, Christopher P. Cannon

Publication info: Philadelphia : Lippincott Williams & Wilkins, c2000
WG 39 S531E 2000 SUBURBAN

Evidence-based clinical practice : concepts and approaches / edited by John P. Geyman, Richard A. Deyo, Scott D. Ramsey ; with 20 contributing authors.

Publication info: Boston : Butterworth-Heinemann, c2000.
WB 102 E927 2000 BGH / GATES / SUBURBAN / WCHOB

Evidence-based family medicine / Rosser, Walter W.

Publication info: Hamilton : B.C. Decker, Inc., c1998. Includes CD ROM
WB 102 R828 1998 SUBURBAN

Evidence-based healthcare / J.A. Muir Gray 2nd ed.

Publication info: Edinburgh ; New York : Churchill Livingstone, 2001.
WB 102 G779 2001 GATES

Evidence-based healthcare / J.A. Muir Gray.

Publication info: New York : Churchill Livingstone, c1997. SubTitle on cover : How to make health policy and management decisions.

WB 102 G779E 1997 BGH / GATES / SUBURBAN

Evidence-based medicine : 500 clues to diagnosis and treatment / Todd B. Ellerin, Luis A. Diaz, Jr

Publication info: Philadelphia : Lippincott Williams & Wilkins, c2001.

WB 18.2 E45E 2001 GATES

Evidence-based medicine : how to practice & teach EBM / David L. Sackett, W. Scott Richardson, [et. al.]

Publication info: New York; Edinburgh : Churchill Livingstone, c1998.

WB 102 E933 1997 BGH / GATES / SUBURBAN / WCHOB

Evidence-based medicine toolkit / Carl Heneghan and Douglas Badenoch.

Publication info: London : BMJ, c2002.

WB 102 H498 2002 BGH

Evidence-based medicine: a framework for clinical practice / Daniel J. Friedland, Ian S. Go [et al.] Variant Guide for assessing the validity of a study

Publication info: Appleton & Lange, c1998.

WB 18.2 E93 1998 BGH / GATES / SUBURBAN / WCHOB

Evidence-based obstetrics / edited by David K. James, Kassam Mahomed, Peter Stone [et al.]

Publication info: London : Saunders, c2003.

WQ 39 E93 2003 WCHOB

Evidence-based otitis media / edited by Richard M. Rosenfeld, Charles D. Bluestone.

Publication info: Hamilton, Ont; Saint Louis : Dekker, c1999.

WV 232 E93 1999 WCHOB

Evidence-based paediatric oncology / edited by Ross Pinkerton, Thierry Philip, Beatrice Fervers.

Publication info: London : BMJ Books, c2002

QZ 275 E93 2002 WCHOB

Evidence-based pediatrics / William Feldman.

Publication info: B.C. Decker Inc., c2000.

WS 100 F312 2000 WCHOB

Evidence based pediatrics and child health / edited by Virginia A. Moyer, Elizabeth J. Elliott, Robert L. Davis [et al.].

Publication info: London : BMJ Books, c2000.

WS 200 M938 2000 GATES / WCHOB

Evidence-based physical diagnosis / Steven McGee

Publication info: Philadelphia : Saunders, c2001.

WB 200 M478E 2001 BGH / GATES / SUBURBAN

The evidence-based practice manual for nurses / edited by Jean V. Craig, Rosalind L. Smyth ; foreword by Sarah Mullally

Publication info: Edinburgh; New York : Churchill Livingstone, c2002.

WB 102 E937 2002 BGH

Evidence-based surgery

Publication info: London : B.C. Decker, Inc., c2000.
WO 500 G665 2000 SUBURBAN

Evidence-based teaching : current research in nursing education / Kathleen R. Stevens, editor ; Virginia R. Cassidy, associate editor.

Publication info: Sudbury, Mass. : Jones and Bartlett, c1999.
WY 18 E935 1999 WCHOB

Fundamentals of nursing research / Dorothy Young Brockopp, Marie T. Hastings-Tolsma.

Publication info: Sudbury, Mass.: Jones & Bartlett, c2002.
WY 20.5 B864F 2003 GATES

How to read a paper; the basics of evidence based medicine / Greenhalgh, Trisha.

Publication info: London : BMJ Publishing Group, c1997.
W 20.5 G813H 1997 BGH / GATES / SUBURBAN / WCHOB

Low back disorders : evidence-based prevention and rehabilitation / Stuart McGill

Publication info: Champaign, IL : Human Kinetics, c2002.
WE 755 M477 2002 BGH

Making sense of critical appraisal / O. Ajetunmobi

Publication info: London : Arnold; New York : Distributed in the USA by Oxford University Press, c2002.
W 20.5 A395 2002 BGH / SUBURBAN

Nutrition in clinical practice / David L. Katz.

Publication info: Philadelphia : Lippincott Williams & Wilkins, c2000.
QU 145 K193N 2000 BGH

Pharmacotherapy of common functional syndromes, The : evidence-based guidelines for primary care practice / Peter Manu.

Publication info: New York : Haworth Medical Press, c2000.
WB 146 M294P 2000 GATES

Practice parameters from the American Academy of Pediatrics : a compilation of evidenced-based guidelines for pediatric practice.

Publication info: Elk Grove, Il : American Academy of Pediatrics, c1997.
WS 39 P897 1997 SUBURBAN / WCHOB

Quick consult manual of evidence-based medicine / editors, Burton W. Lee, Stephen I. Hsu, David S. Stasior.

Publication info: Philadelphia : Lippincott-Raven, c1997.
WB 39 Q4 1997 BGH / GATES / SUBURBAN

Recommendations for evidence-based endoscopic surgery / edited by Edmund Neugebauer, Stefan Sauerland

Publication info: Paris; New York : Springer, c2000.
WO 505 R311 2000 BGH

Surgery : basic science and clinical evidence / edited by Jeffrey A. Norton, R. Randal Bollinger, Alfred E. Chang [et al.]

Publication info: New York : Springer, c2001.
WO 100 S9611 2001 GATES / SUBURBAN

Systematic reviews in health care : a practical guide / Paul Glaszious, Les Irwig, Chris Bain [et al.]

Publication info: Cambridge; New York : Cambridge University Press, c2001.
WA 950 S945 2001 BGH

Users' guides to the medical literature : a manual for evidence-based clinical practice / The Evidence-Based Medicine Working Group ; edited by Gordon Guyatt, Drummond Rennie

Publication info: Chicago, Ill. : AMA Press, c2002.
WB 102 U87 2002 BGH / DEGRAFF / GATES / SUBURBAN / WCHOB

Glossary of Terms:

ABI

Absolute benefit increase; the absolute arithmetic difference in event rates.

ABR

Absolute benefit reduction

ARD

Absolute risk difference

ARR

Absolute risk reduction; the absolute arithmetic difference in event rates.

Best practices and guidelines

Also known as benchmarking, it is a method of measuring individual, group or organizational performance against established standards.

CER

Control event rates; the proportion of patients in a group in whom an event is observed.

Care management

Encompasses all of the activities a health care provider engages in to ensure the coordination of care to his/her patients. In a managed environment it includes all of the actions involved in caring for a patient, e.g., evaluation, planning, treatment, referral and follow-up to insure continuous and comprehensive care.

Clinical Practice Improvement

A process-oriented approach based on sound management principles that are dedicated to finding methods to improve the efficiency and effectiveness of clinical medical practice.

Comprehensive operating plans

A goal-based planning process that looks at the totality of an organization and uses that broad perspective to determine priorities, strategies and initiatives for an organization.

Continuous quality improvement

Also known as total quality management, it is an industrial process designed to systematically maintain and improve overall performance in an organization. Quantitative and qualitative measures are generally used determine success.

Medline

A bibliographic database of the world's biomedical literature produced by the U.S. National Library of Medicine and covering nearly 4,000 journal titles since 1966. Updated every two weeks.

NNH

Number needed to harm

NNT

Number (of persons) needed to treat; that is receive the experimental treatment to create one additional improved outcome in comparison with the control treatment.

Outcomes measurement/quality indicators

The results of an evaluative process undertaken to determine the consequences of management and /or procedures that have been used to combat disease. Generally the goal is to determine the efficacy, effectiveness, safety, and practicality of an intervention. Measures may include improved health, lowered morbidity or mortality and improvement of abnormal states.

Outcomes research

The process of studying the results or outcomes of interventions that have been conducted under actual clinical practice conditions. It is a major component of the work of clinical epidemiologists. Research using this methodology is critical to assessing the effectiveness of treatment and overall quality of care provided.

Process improvement model

A model, in which evaluation procedures are used to focus on the outcome of the patient's treatment and the process, that is, what is done for the patient both diagnostically and therapeutically. This process follows an episode of care.

Quality

That which society deems to be of significant value.

Quality improvement

Activities and programs that are designed to insure or improve the overall quality of care in a specific medical setting or program. Evaluation of care provided, identification of problems, the creation of activities to rectify the situation, and monitor progress, are key components of quality improvement.

RRR

Relative risk reduction; the proportional reduction in rates of bad events between experimental and control rate patients in a trial and accompanied by 95% confidence interval.

Risk

The probability of some unfavorable event occurring. Clinically it refers to the likelihood that individuals who are exposed to certain factors, that is, risk factors will eventually develop a certain disease.

Value

What we believe in. What we cherish. Thus, an important determinant of both individual and community health.

Variation/practice patterns

Measurements of the same occurrence can have a range of values. Variation refers to the sum, that is the extent of the rate of change, related to the act of measurement based on differences between individuals and the inherent biological differences between people.

Sources of Glossary Definitions

Clinical Epidemiology; the essentials. 3rd ed. By RH Fletcher, SW Fletcher, EH Wagner
Baltimore : Williams & Wilkins, 1996 (WA 950 F614c)

A Dictionary of Epidemiology by JM Last 3rd ed. New York : Oxford University Press, 1995.

Evidence-based Medicine; how to practice & teach EBM. By DL Sackett, WS Richardson W Rosenberg, RB Haynes New York : Churchill Livingstone, 2002 & 1997. (WB 102 E993 1997)

MeSH; Medical Subject Headings. The controlled vocabulary created for Medline.

Evidence-based Healthcare; how to make health policy and management decisions. By Gray JA Muir New York : Churchill Livingstone, 1997. (WB 102 G779e 1997)

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