

Data-mining

**Some useful
resources**



Data Mining? “Yeah, I could use a nap...”



What We'll Discuss

- Why search
- Who should do it
- Sources
 - National Library of Medicine
 - Includes the NLM Gateway, PubMed, ClinicalTrials.gov, MEDLINE *Plus*, and more
 - Google
 - FDA website
 - National Guidelines Clearinghouse website
- Obtaining articles

Why Search?

- Find product data and competitive information
 - Clients often provide incomplete information
- Find new data
 - Clients may not even be aware it exists
- Learn about the latest research and where the market is headed
 - Can you ever have too much information about your client's or competitor's products?

Who should do it

- You

- Consider as a value added service in any and all work you do?
- Or you could request a budget for it upfront -- it can be very time consuming

- The client

- But will you get the information you need?

National Library of Medicine

- The NLM Gateway
 - Simultaneous multiple retrieval system for “one-stop searching”
- PubMed
 - Enormous database of citations and abstracts
- MEDLINE *Plus*
 - Physician and patient oriented information
- ClinicalTrials.gov
 - A great resource to check on existing clinical trials
- Health Services Research Projects in Progress - HSRProj
 - Provides research information before results are published

The NLM Gateway

- Simultaneous “one-stop searching”
 - Journal citations from 1951 to present
 - Books, Serials, AVs
 - Consumer health
 - Meeting abstracts
 - Other collections
 - HSRProj
 - OMIM
 - HSDB

Gateway – Synercid Search Results

The screenshot shows a web browser window with the URL <http://gateway.nlm.nih.gov/gw/Cmd?GMBasicSearch&loc=lhc>. The page header features the NLM logo and the text "Gateway your entrance to the knowledge resources of the National Library of Medicine". A search bar contains the text "synercid", with "Search" and "Clear Search" buttons. Below the search bar are tabs for "Find Terms", "Limits", "Results", "History", "Locker", and "Preferences".

On the left side, there is a "New Search" section with links for "Overview", "What's New", "Help", and "FAQ". Below these are "Other NLM Resources" including "Ordering Info.", "Clinical Alerts", "ClinicalTrials.gov", "LOCATORplus", "MEDLINEplus", "PubMed", and "TOXNET".

The main content area is titled "Results Summary". A note states: "Note: There may be a misspelling in your query." with a "Details" button. Below this is a table showing search results by category.

Category	Items Found	Actions
Journal Citations	347	Display Results Details of Search
Books / Serials / AVs	1	Display Results Details of Search
Consumer Health	2	Display Results Details of Search
Meeting Abstracts	99	Display Results Details of Search
Other Collections	0	Display Results Details of Search
Total	449	

At the bottom of the page, there is a "Contact Us" link and a footer with copyright information: "© National Library of Medicine | National Institutes of Health | Department of Health & Human Services | Privacy | Accessibility".

Gateway – Thrombin-JMI Search Results

The screenshot shows a web browser window with the URL <http://gateway.nlm.nih.gov/gw/Cmd?GMResultsSummary&loc=lhc>. The page header features the NLM logo and the text "Gateway your entrance to the knowledge resources of the National Library of Medicine". A search bar contains the text "Thrombin-jmi", with "Search" and "Clear Search" buttons. Below the search bar are tabs for "Find Terms", "Limits", "Results", "History", "Locker", and "Preferences".

On the left side, there is a "New Search" section with links for "Overview", "What's New", "Help", and "FAQ". Below this is a list of "Other NLM Resources" including "Ordering Info.", "Clinical Alerts", "ClinicalTrials.gov", "LOCATORplus", "MEDLINEplus", "PubMed", and "TOXNET".

The main content area is titled "Results Summary". A note states: "Note: There may be a misspelling in your query." with a "Details" button. Below this is a table showing the search results:

Category	Items Found	Actions
Journal Citations	3	Display Results Details of Search
Books / Serials / AVs	0	Display Results Details of Search
Consumer Health	0	Display Results Details of Search
Meeting Abstracts	0	Display Results Details of Search
Other Collections	71	Display Results Details of Search
Total	74	

At the bottom of the page, there is a "Contact Us" link and a footer with copyright information: "© National Library of Medicine | National Institutes of Health | Department of Health & Human Services | Privacy | Policies | Accessibility |".

PubMed

- Where we search for research from medical journals
- 13 million citations/abstracts
- 4,500 journals
 - From 1966
- Covers
 - Medicine
 - Nursing
 - Dentistry
 - Veterinary medicine
 - Healthcare systems
 - Preclinical sciences

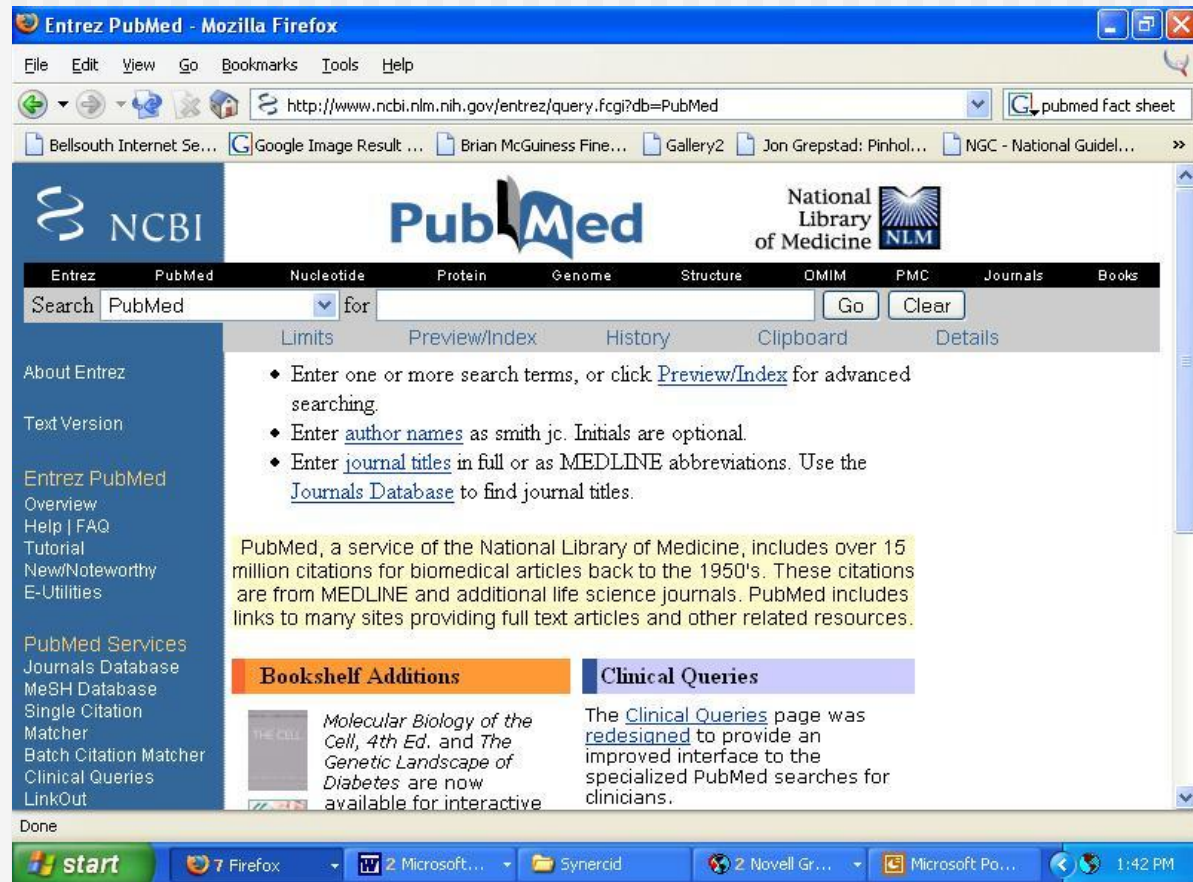
More About PubMed

- Links to other databases
 - OLDMEDLINE (1950-1965)
 - International biomedical journals
 - 1,760,000 citations
- Not all journals are strictly scientific or medical
 - We recently found a Newsweek article in PubMed
- Links (LinkOut) to the full-text of articles at participating publishers' web sites

What Can You Do in PubMed?

- Search for articles (usually abstracts)
 - By keyword
 - By author
 - By Journal, etc
- Combine searches
- Link to related articles
- Link to outside sources
 - To purchase the full article
 - Look at related books (including pages in the books)
- Clinical queries

The PubMed Homepage



<http://www.ncbi.nlm.nih.gov/entrez/query.fcgi>

PubMed – Search Overview

- Search by keyword
 - E.g., thrombin, but you get 31,365 results
- Use a more specific keyword
 - Like “Thrombin-JMI”, but now you only get 2 hits
- Additional tools
 - Limits
 - Search Field Tags
 - meSH

PubMed – Additional Tools

- Limits
 - Age, groups, gender, type of study, etc
- Search Field tags
 - Qualify terms, used in brackets [ta]
- Boolean Statements
 - And, OR, NOT
- meSH
 - The “vocabulary” of PubMed
 - Stands for Medical Subjects Headings
 - Used for indexing biomedical literature

PubMed -- Limits

The screenshot shows the PubMed website interface within a Mozilla Firefox browser window. The address bar displays the URL: `http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Limits&DB=pubmed`. The page features the NCBI, PubMed, and National Library of Medicine (NLM) logos. A navigation bar includes links for Entrez, PubMed, Nucleotide, Protein, Genome, Structure, OMIM, PMC, Journals, and Books. Below this, a search bar is set to 'PubMed' with 'Limits' selected from a dropdown menu. A list of search options (Limits, Preview/Index, History, Clipboard, Details) is visible, with 'Limits' being the active tab. The 'Limited to:' section contains several filters: 'All Fields' (dropdown), 'only items with abstracts' (checkbox), 'Publication Types' (dropdown), 'Languages' (dropdown), 'Subsets' (dropdown), 'Ages' (dropdown), 'Humans or Animals' (dropdown), 'Gender' (dropdown), and 'Entrez Date' (dropdown). A 'Publication Date' section includes 'From' and 'To' date pickers. A note at the bottom of this section states: 'Use the format YYYY/MM/DD; month and day are optional.' The left sidebar contains links for 'About Entrez', 'Text Version', 'Entrez PubMed' (Overview, Help | FAQ, Tutorial, New/Noteworthy, E-Utilities), and 'PubMed Services' (Journals Database, MeSH Database, Single Citation Matcher, Batch Citation Matcher, Clinical Queries, LinkOut). The Windows taskbar at the bottom shows the 'start' button and several open applications: 2 Firefox, 2 Micro..., Synercid, Novell G..., Microsof..., and pubmed ... The system clock indicates 4:18 PM.

Entrez PubMed - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

`http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Limits&DB=pubmed`

Bellsouth Internet Se... Google Image Result ... Brian McGuiness Fine... Gallery2 Jon Grepstad: Pinhol... NGC - National Guidel...

NCBI PubMed National Library of Medicine NLM

Entrez PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books

Search PubMed for Go Clear

Limits Preview/Index History Clipboard Details

- ♦ Use All Fields pull-down menu to specify a field.
- ♦ Boolean operators AND, OR, NOT must be in upper case.
- ♦ If search fields tags are used enclose in square brackets, e.g., rubella [ti].
- ♦ Search [limits](#) may exclude in process and publisher supplied citations.

Limited to:

All Fields ☐ only items with abstracts

Publication Types Languages Subsets

Ages Humans or Animals Gender

Entrez Date

Publication Date From To

Use the format YYYY/MM/DD; month and day are optional.

Done

start 2 Firefox 2 Micro... Synercid Novell G... Microsof... pubmed ... 4:18 PM

PubMed -- Search Field Tags

- Search Field Tags also qualify terms
- Letters in brackets
 - Nature [ta]
 - Watson JD [au]
 - 1953 [dp]
 - “Fever of unknown origin” or [ti]

<http://www.ncbi.nlm.nih.gov/entrez/query.fcgi>

Boolean Statements

- Example: citations on DNA authored by Crick in 1993
 - Dna [mh] AND crick [au] AND 1993[dp]
- Effect of heat or humidity on surgical hemostasis
 - (heat OR humidity) AND surgical hemostasis

PubMed -- The meSH Tree

- meSH organizes terms in a hierarchal manner

Face

- Cheek
- Chin
- Eye
 - Eyebrows
 - Eyelids
 - Eyelashes
- Forehead
- Mouth
 - Lip
- Nose

PubMed -- meSH Tutorial

http://www.nlm.nih.gov/bsd/viewlet/mesh/combining/mesh2_launcher.html

www.nlm.nih.gov/bsd/viewlet/mesh/subheadings/mesh3_launcher.html

Real world meSH example

- Thrombin-JMI use in bony ingrowth (cementless implants) in hip arthroscopy
 - On a noncemented hip, can Thrombin JMI be injected into the medullary canal of the femur and will it affect the bony ingrowth?
 - Can Thrombin JMI be put in the acetabulum and will it affect the bony ingrowth?

MEDLINE *Plus*

- Information on over 650 diseases and conditions
- Medical encyclopedia and dictionary
- Information on prescription and nonprescription drugs
- Links to ClinicalTrials.gov
- Links to news
- Sponsored by the NIH – no ads

www.medlineplus.gov

The MEDLINE *Plus* Homepage

The screenshot shows the MedlinePlus homepage within a web browser window. The address bar displays <http://www.medlineplus.com/>. The page features a purple header with the MedlinePlus logo, the tagline "Trusted Health Information for You", and the affiliation "A service of the U.S. NATIONAL LIBRARY OF MEDICINE and the NATIONAL INSTITUTES OF HEALTH". A search bar and navigation links are present in the header. The main content area is organized into several columns: a left sidebar with links to Health Topics, Drug Information, Medical Encyclopedia, Dictionary, News, Directories, and Other Resources; a central column with Current Health News, a Featured Site about tsunamis, and an In the Spotlight section for Cataract Awareness Month; and a right column with Interactive Tutorials, ClinicalTrials.gov, NIH SeniorHealth, and a "What's new" section with links to sign up, add the site to a browser, and take a tour. A "Go back one page" button is visible in the top left corner of the browser window.

Go back one page

MedlinePlus®
Trusted Health Information for You

A service of the U.S. NATIONAL LIBRARY OF MEDICINE
and the NATIONAL INSTITUTES OF HEALTH

Search MedlinePlus

[About MedlinePlus](#) | [Site Map](#) | [FAQs](#) | [Contact Us](#)

español

Health Topics
Start here with over 650 topics on conditions, diseases and wellness

Drug Information
About your prescription and over-the-counter medicines

Medical Encyclopedia
Includes pictures and diagrams

Dictionary
Spellings and definitions of medical words

News
Health News from the past 30 days

Directories
Find doctors, dentists and hospitals

Other Resources
Local libraries, health organizations, international sites and more

Current Health News

- ▶ [Antidepressant Useful for Hot Flashes](#)
- ▶ [Emergency Birth Control Not Linked to Risk Behavior](#)
- ▶ [Test Can Warn of Dangerous Pregnancy Complication](#)
- ▶ [More news](#)

Featured Site

 Learn more about the [tsunami](#) in South Asia from the Centers for Disease Control and Prevention.

In the Spotlight

January is Cataract Awareness Month. Learn more:

- ▶ Go to [Cataract](#)
- ▶ Interactive Tutorial on [Cataracts](#)

Interactive Tutorials
Over 165 slideshows with sound and pictures

ClinicalTrials.gov
Studies for new drugs and treatments

NIH SeniorHealth
Health information for older adults

▶ What's new on MedlinePlus?
[Sign up now!](#) 

▶ [Add MedlinePlus to your site](#)

▶ Take a [tour](#) of the site

ClinicalTrials.gov

- Information about federally funded and private human clinical trials
- Includes the trial's
 - Purpose
 - Locations
 - Participant requirements
 - Phone number

ClinicalTrials.gov Homepage



The screenshot shows the ClinicalTrials.gov homepage within a web browser window. The browser's address bar displays "http://clinicaltrials.gov/". The page features the "ClinicalTrials.gov" logo in a large, blue, serif font. Below the logo, it states "A service of the National Institutes of Health" and "Developed by the National Library of Medicine". To the right of the logo is a banner image showing a group of diverse people, with the tagline "Linking patients to medical research" in italics. A horizontal navigation menu includes links for Home, Search, Browse, Resources, Help, What's New, and About. The main content area begins with a paragraph explaining the site's purpose: "ClinicalTrials.gov provides regularly updated information about federally and privately supported clinical research in human volunteers. ClinicalTrials.gov gives you information about a trial's purpose, who may participate, locations, and phone numbers for more details. Before searching, you may want to [learn more](#) about clinical trials." This is followed by a section titled "Search Clinical Trials" which contains a search input field with the placeholder text "Example: heart attack, Los Angeles", a "Search" button, and a "Tips" link. Below this is a "Search by Specific Information" section with a link to "Focused Search" and a description: "search by disease, location, treatment, sponsor...". The "Browse" section follows, listing three options: "Browse by Condition" (studies listed by disease or condition), "Browse by Sponsor" (studies listed by funding organization), and "Browse by Status" (studies listed by recruitment status). Finally, the "Resource Information" section includes a link to "Understanding Clinical Trials" with the description "information explaining and describing clinical trials".

ClinicalTrials.gov
A service of the National Institutes of Health
Developed by the National Library of Medicine

Linking patients to medical research

[Home](#) | [Search](#) | [Browse](#) | [Resources](#) | [Help](#) | [What's New](#) | [About](#)

ClinicalTrials.gov provides regularly updated information about federally and privately supported clinical research in human volunteers. ClinicalTrials.gov gives you information about a trial's purpose, who may participate, locations, and phone numbers for more details. Before searching, you may want to [learn more](#) about clinical trials.

Search Clinical Trials

Example: heart attack, Los Angeles

[Tips](#)

Search by Specific Information

[Focused Search](#) - search by disease, location, treatment, sponsor...

Browse

[Browse by Condition](#) - studies listed by disease or condition
[Browse by Sponsor](#) - studies listed by funding organization
[Browse by Status](#) - studies listed by recruitment status

Resource Information

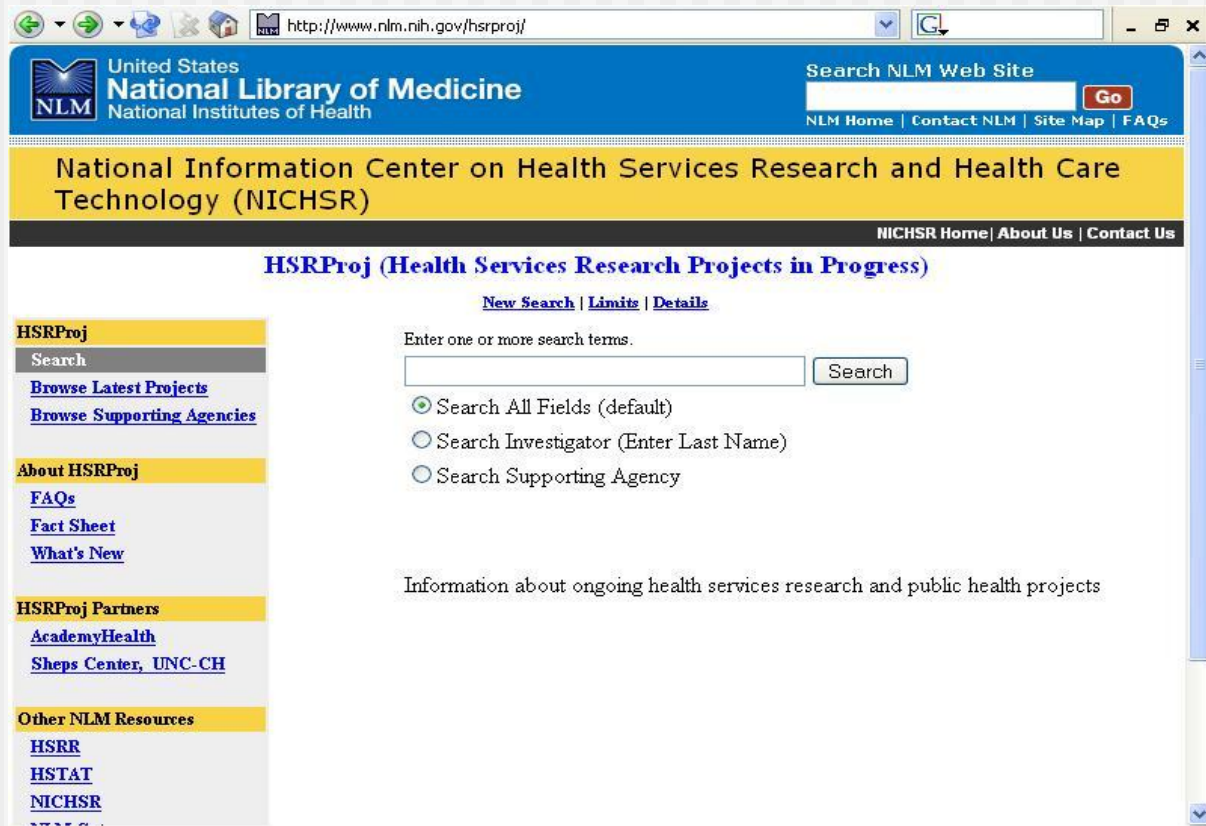
[Understanding Clinical Trials](#) - information explaining and describing clinical trials

HSRProj

- Provides research-in-progress before results are available
- From ongoing grants and contracts from government or academic studies
- Retrieve:
 - Name of sponsoring agency
 - Principal investigator
 - Dates of projects, etc.

<http://www.nlm.nih.gov/hsrproj/>

HSRProj Homepage



The screenshot shows a web browser window with the address bar displaying <http://www.nlm.nih.gov/hsrproj/>. The page features the National Library of Medicine logo and navigation links. A yellow banner identifies the National Information Center on Health Services Research and Health Care Technology (NICHSR). The main heading is 'HSRProj (Health Services Research Projects in Progress)'. A sidebar on the left contains links for searching, browsing projects, and agency information. The main content area includes a search form with a text input, a 'Search' button, and radio button options for search criteria. Below the search form is a brief description of the project database.

United States
National Library of Medicine
National Institutes of Health

Search NLM Web Site

[NLM Home](#) | [Contact NLM](#) | [Site Map](#) | [FAQs](#)

National Information Center on Health Services Research and Health Care Technology (NICHSR)

[NICHSR Home](#) | [About Us](#) | [Contact Us](#)

HSRProj (Health Services Research Projects in Progress)

[New Search](#) | [Limits](#) | [Details](#)

Enter one or more search terms.

☒ Search All Fields (default)
☐ Search Investigator (Enter Last Name)
☐ Search Supporting Agency

Information about ongoing health services research and public health projects

HSRProj
[Search](#)
[Browse Latest Projects](#)
[Browse Supporting Agencies](#)

About HSRProj
[FAQs](#)
[Fact Sheet](#)
[What's New](#)

HSRProj Partners
[AcademyHealth](#)
[Sheps Center, UNC-CH](#)

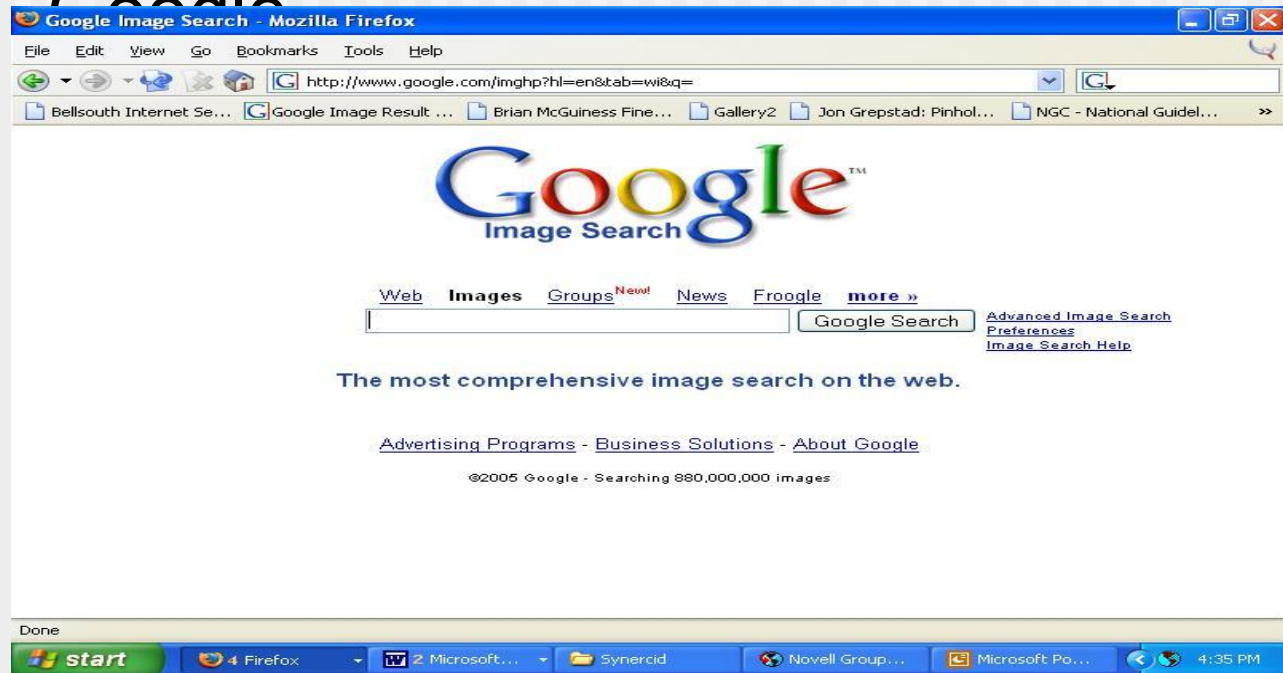
Other NLM Resources
[HSRR](#)
[HSTAT](#)
[NICHSR](#)

Google

- Images
- Alerts
- Groups

Images From Google?

- Yes, you really can find images in Google



<http://www.google.com/imghp?hl=en&tab=wi&q=>

Google Alerts

- Currently in Beta tests
- Enter keywords
- Get email updates on keyword (s)

The screenshot shows the Google Alerts interface in a Mozilla Firefox browser window. The address bar shows <http://www.google.com/alerts>. The page title is "Google Alerts - Manage your Alerts". The user is logged in as [dmalowany@adair-greene.com](#) with links for [Settings](#), [FAQ](#), and [Sign out](#).

Create a Google Alert

Sending **HTML** emails. [Switch to text emails.](#)

Search terms	Type	How often	
<input type="text"/>	News <input type="button" value="v"/>	once a day <input type="button" value="v"/>	<input type="button" value="Create Alert"/>

Your Google Alerts

Search terms	Type	How often	
synercid	News & Web	once a day	edit delete
Thrombin-jmi	News & Web	once a day	edit delete

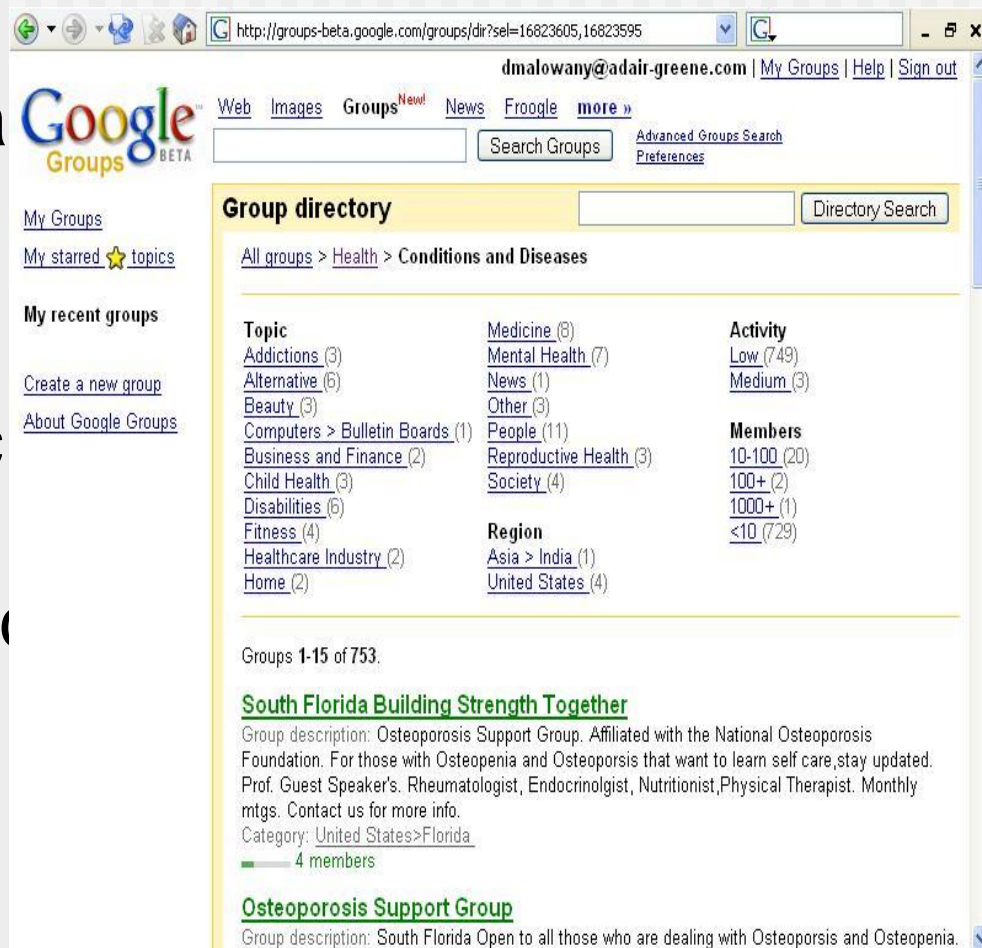
Google Alerts [terms of use](#) and [privacy policy](#).

© 2004 Google

The browser's taskbar at the bottom shows the Start button and several open applications: Firefox, Microsoft Word, Synercid, Novell G..., Microsoft..., and google I... The system clock shows 4:46 PM.

Google Groups

- A “forum” dedicated to a specific topic and usually open to the general public
- Sometimes moderated and open only to members chosen by the moderator



The screenshot shows the Google Groups website interface. The browser address bar displays the URL: <http://groups-beta.google.com/groups/dir?sel=16823605,16823595>. The user is logged in as [dmalowany@adair-greene.com](#) with links for [My Groups](#), [Help](#), and [Sign out](#). The navigation bar includes links for [Web](#), [Images](#), [Groups](#) (marked as New!), [News](#), [Froogle](#), and [more »](#). There is a search bar with a "Search Groups" button and links for [Advanced Groups Search](#) and [Preferences](#).

On the left sidebar, there are links for [My Groups](#), [My starred topics](#), [My recent groups](#), [Create a new group](#), and [About Google Groups](#).

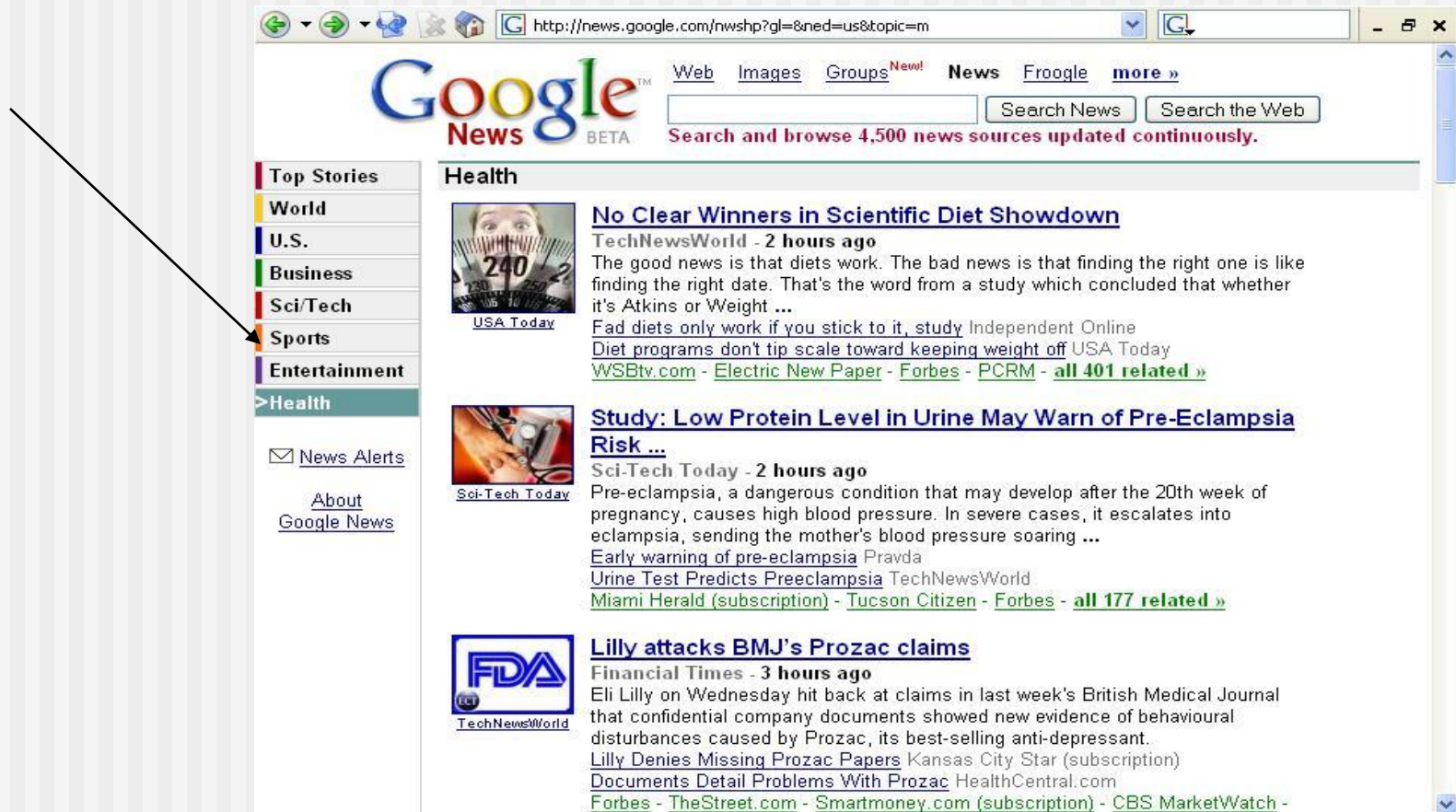
The main content area is titled "Group directory" and shows a breadcrumb trail: [All groups](#) > [Health](#) > [Conditions and Diseases](#). Below this, there is a table listing various groups:

Topic	Activity	Members
Addictions (3)	Medicine (8)	Low (749)
Alternative (6)	Mental Health (7)	Medium (3)
Beauty (3)	News (1)	
Computers > Bulletin Boards (1)	Other (3)	
Business and Finance (2)	People (11)	Members
Child Health (3)	Reproductive Health (3)	10-100 (20)
Disabilities (6)	Society (4)	100+ (2)
Fitness (4)		1000+ (1)
Healthcare Industry (2)	Region	<10 (729)
Home (2)	Asia > India (1)	
	United States (4)	

Below the table, it says "Groups 1-15 of 753." Two specific groups are highlighted:

- South Florida Building Strength Together**
Group description: Osteoporosis Support Group. Affiliated with the National Osteoporosis Foundation. For those with Osteopenia and Osteoporosis that want to learn self care, stay updated. Prof. Guest Speaker's. Rheumatologist, Endocrinologist, Nutritionist, Physical Therapist. Monthly mtgs. Contact us for more info.
Category: [United States>Florida](#)
4 members
- Osteoporosis Support Group**
Group description: South Florida Open to all those who are dealing with Osteoporosis and Osteopenia.

Google Health News



The screenshot shows the Google News website interface. The left sidebar contains a list of categories: Top Stories, World, U.S., Business, Sci/Tech, Sports, Entertainment, and Health. The 'Health' category is selected and highlighted. Below the sidebar, there are links for 'News Alerts' and 'About Google News'. The main content area displays three news stories under the 'Health' section header. The first story is 'No Clear Winners in Scientific Diet Showdown' by TechNewsWorld, dated 2 hours ago. The second story is 'Study: Low Protein Level in Urine May Warn of Pre-Eclampsia Risk ...' by Sci-Tech Today, dated 2 hours ago. The third story is 'Lilly attacks BMJ's Prozac claims' by Financial Times, dated 3 hours ago. Each story includes a thumbnail image, a headline, a byline, and a brief summary of the article.

Google News BETA

Web Images Groups News Froogle more »

Search News Search the Web

Search and browse 4,500 news sources updated continuously.

Health

No Clear Winners in Scientific Diet Showdown
TechNewsWorld - 2 hours ago
The good news is that diets work. The bad news is that finding the right one is like finding the right date. That's the word from a study which concluded that whether it's Atkins or Weight ...
Fad diets only work if you stick to it, study Independent Online
Diet programs don't tip scale toward keeping weight off USA Today
WSBtv.com - Electric New Paper - Forbes - PCRM - [all 401 related »](#)

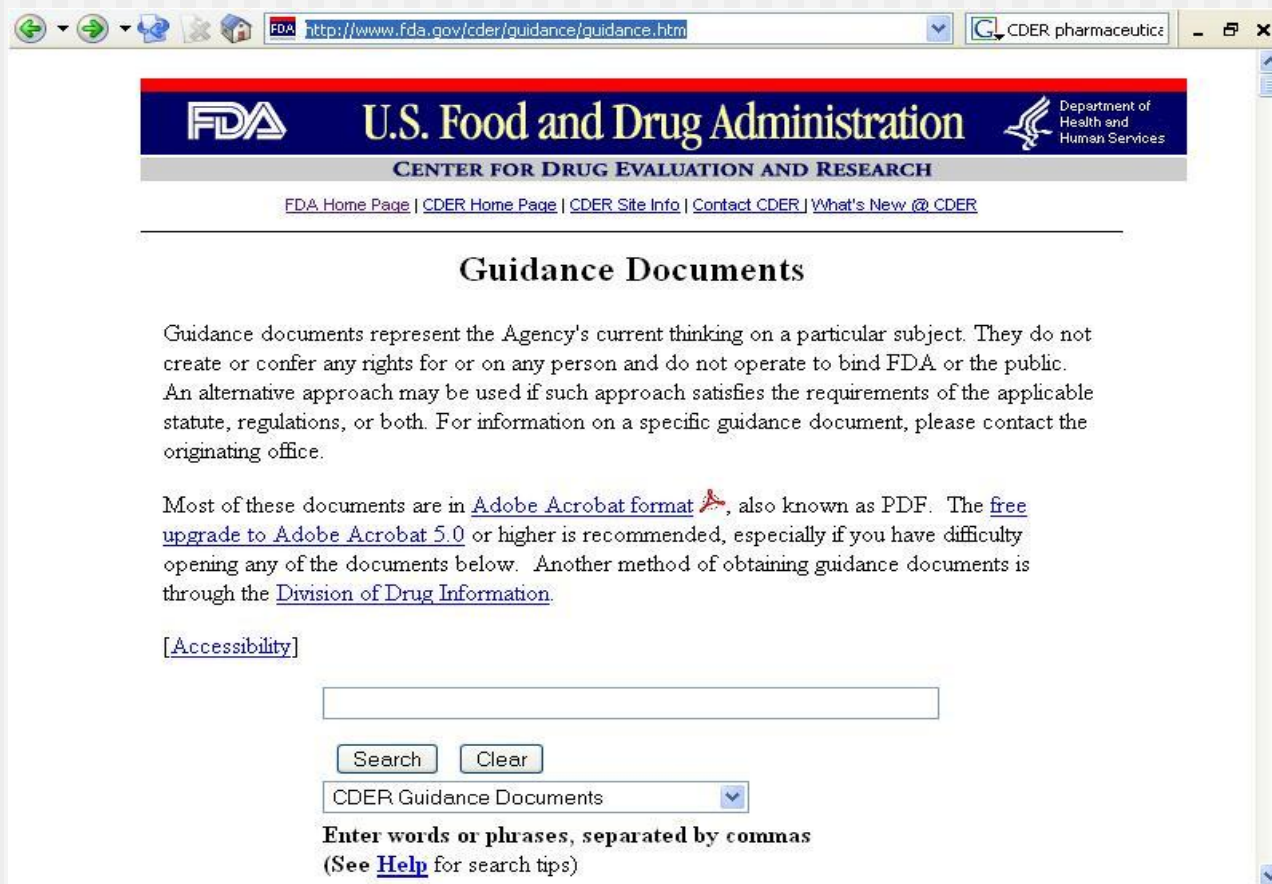
Study: Low Protein Level in Urine May Warn of Pre-Eclampsia Risk ...
Sci-Tech Today - 2 hours ago
Pre-eclampsia, a dangerous condition that may develop after the 20th week of pregnancy, causes high blood pressure. In severe cases, it escalates into eclampsia, sending the mother's blood pressure soaring ...
Early warning of pre-eclampsia Pravda
Urine Test Predicts Preeclampsia TechNewsWorld
Miami Herald (subscription) - Tucson Citizen - Forbes - [all 177 related »](#)

Lilly attacks BMJ's Prozac claims
Financial Times - 3 hours ago
Eli Lilly on Wednesday hit back at claims in last week's British Medical Journal that confidential company documents showed new evidence of behavioural disturbances caused by Prozac, its best-selling anti-depressant.
Lilly Denies Missing Prozac Papers Kansas City Star (subscription)
Documents Detail Problems With Prozac HealthCentral.com
Forbes - TheStreet.com - Smartmoney.com (subscription) - CBS MarketWatch -

FDA Webpage – Tons of Info.

- Contains MedWatch
 - product safety alerts
 - Alerts be sent to your email address as they happen
- Find
 - Warning Letters
 - <http://www.fda.gov/foi/warning.htm>
 - Approved drugs and patent information
 - Using the Electronic Orange Book database
 - <http://www.fda.gov/cder/ob/default.htm>
 - Devices
 - <http://www.fda.gov/cdrh/index.html>
 - Guidance documents
 - <http://www.fda.gov/cder/guidance/guidance.htm>


FDA Promotional Guidance



The screenshot shows a web browser window with the URL <http://www.fda.gov/cder/guidance/guidance.htm>. The page header features the FDA logo, the text "U.S. Food and Drug Administration", and "CENTER FOR DRUG EVALUATION AND RESEARCH". Below the header is a navigation bar with links: [FDA Home Page](#), [CDER Home Page](#), [CDER Site Info](#), [Contact CDER](#), and [What's New @ CDER](#).

Guidance Documents

Guidance documents represent the Agency's current thinking on a particular subject. They do not create or confer any rights for or on any person and do not operate to bind FDA or the public. An alternative approach may be used if such approach satisfies the requirements of the applicable statute, regulations, or both. For information on a specific guidance document, please contact the originating office.

Most of these documents are in [Adobe Acrobat format](#) , also known as PDF. The [free upgrade to Adobe Acrobat 5.0](#) or higher is recommended, especially if you have difficulty opening any of the documents below. Another method of obtaining guidance documents is through the [Division of Drug Information](#).

[\[Accessibility\]](#)

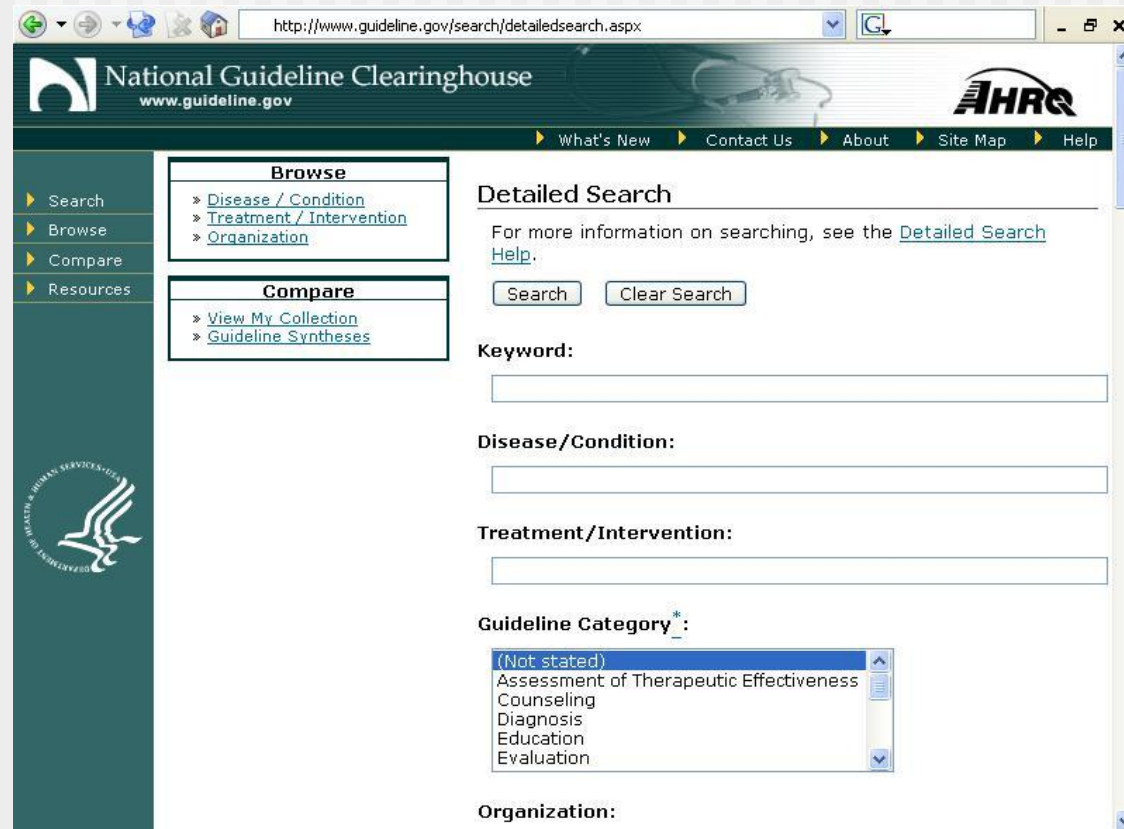
Enter words or phrases, separated by commas
(See [Help](#) for search tips)

<http://www.fda.gov/cder/guidance/guidance.htm>

National Guidelines Clearinghouse

- A comprehensive database of evidence-based clinical practice guidelines and related documents
- Sponsored by the Agency for Healthcare Research and Quality (AHRQ)
- Updated weekly

National Guidelines Clearinghouse



The screenshot shows a web browser window with the URL <http://www.guideline.gov/search/detailedsearch.aspx>. The page header includes the National Guideline Clearinghouse logo and the AHRQ logo. A navigation bar contains links for What's New, Contact Us, About, Site Map, and Help. On the left, a sidebar menu lists Search, Browse, Compare, and Resources. The main content area is titled "Detailed Search" and includes a link to "Detailed Search Help". Below this are search buttons and input fields for Keyword, Disease/Condition, and Treatment/Intervention. A dropdown menu for "Guideline Category" is open, showing options: (Not stated), Assessment of Therapeutic Effectiveness, Counseling, Diagnosis, Education, and Evaluation. An "Organization" field is also visible at the bottom.

http://www.guideline.gov/search/detailedsearch.aspx

National Guideline Clearinghouse
www.guideline.gov

AHRQ

What's New | Contact Us | About | Site Map | Help

Browse

- » [Disease / Condition](#)
- » [Treatment / Intervention](#)
- » [Organization](#)

Compare

- » [View My Collection](#)
- » [Guideline Syntheses](#)

Detailed Search

For more information on searching, see the [Detailed Search Help](#).

Keyword:

Disease/Condition:

Treatment/Intervention:

Guideline Category* :

- (Not stated)
- Assessment of Therapeutic Effectiveness
- Counseling
- Diagnosis
- Education
- Evaluation

Organization:

<http://www.guideline.gov/search/detailedsearch.aspx>

Obtaining Articles for Clients

Free

Check online – sometimes PubMed
has links to free articles
Freemedicaljournals.com

Pay

Through Emory
\$12 normal; \$24 rush
Fax versions
Can be generated into PDF
External sources (e.g., publisher
web sites)
Prices vary (\$20-30)
PDF versions (usually)