

15 - INTERNET SEARCH ENGINES, PORTALS, BOOKSTORES

As the PubMed search engine is to the MEDLINE database, so Yahoo, HotBot, and other search engines to the entire Internet, which can be seen as one vast database of web-pages. PubMed works only within the MEDLINE database and only on the computers of the National Library of Medicine. Although a person accesses PubMed through the Internet, that program does not search the Internet. That is performed, in various ways, by "Internet search engines". While MEDLINE contains some 11 million records, the Internet, as a whole, contains over 1 billion documents (i.e., web pages) and that is expanding exponentially each year. Unlike MEDLINE, where all of the records pertain to biology and medicine, only a small segment of the Internet relates to those subjects. Thus, it becomes critically important to structure one's search in as precise a manner as possible in order to avoid retrieving a deluge of irrelevant information. In all of the search engines, you can use the basic Boolean operators which were discussed in the previous section; and each search engine will have a sector entitled something like "advanced search features" which explains the particular routines for that program.



DoctorInternet

15(A) - YAHOO

[<http://www.yahoo.com>]

Yahoo, was the first search engine that was designed for the Internet; and, probably, it continues to be the most popular. Thus, we will discuss this site in greater detail than the others. However, the essential routines are



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common to all. Created in 1994, by David Filo and Jerry Yang, Stanford students, it is predominantly a directory of links to Internet sites, with the links organized into subject categories. In 1995, it became associated with Netscape, the Internet browser; and according to their company history, it is housed on the computer of Netscape. From the main menu, you have three options: 1) simply enter your search term in the **query box**, 2) use the **directory of links**, or 3) proceed to **advanced search** functions.

The screenshot shows the Yahoo! homepage with the following elements:

- Navigation Icons:** Auctions, Messenger, Check Email, What's New, Personalize, Help.
- Search Bar:** Contains the text "HYPERTENSION" and a "Search" button. A link for "advanced search" is also present.
- Advertisements:** "Yahoo! Domains get claim-your-name.com now!", "WIN SIGNED BRITNEY ITEMS!", "new! Play ball! free Fantasy Baseball".
- Shopping Section:** "Y! Shopping Depts: Books, CDs, DVDs Stores: MAC Cosmetics, Gap, Eddie Bauer, and more".
- Main Navigation Links:** Shop Auctions · Classifieds · PayDirect · Shopping · Travel · Yellow Pgs · Maps Media Finance/Quotes · News · Sports · Weather Connect Careers · Chat · Clubs · Experts · GeoCities · Greetings · Mail · Members · Messenger · Mobile · Personals · People Search Personal AddrBook · Briefcase · Calendar · My Yahoo! · Photos Fun Games · Kids · Movies · Music · Radio · TV more...
- Category Grid:**
 - Education:** College and University, K-12...
 - Regional:** Countries, Regions, US States...
 - Entertainment:** CoolLinks, Movies, Humor, Music...
 - Science:** Animals, Astronomy, Engineering...
 - Government:** Elections, Military, Law, Taxes...
 - Social Science:** Archaeology, Economics, Languages...
 - Health:** Medicine, Diseases, Drugs, Fitness...
 - Society & Culture:** People, Environment, Religion...
- In the News:**
 - 12pm ET : [Spurs vs. Heat](#)
 - 2:40pm : [Temple vs. Michigan St.](#)
 - 5pm : [Arizona vs. Illinois](#)
 - 6:30pm : [Lakers vs. Kings](#)
 - [more...](#)
- Inside Yahoo!:**
 - [Y! Movies - Heartbreakers, Say It Isn't So, The Brothers](#)
 - [Oscar Pick'em](#) at Y! Movies
 - [new! Play free Fantasy Baseball](#)
 - [Y! Games](#) [heartbreakers](#) [archie](#)

These are simply three different avenues for retrieving the same information. In the following, we will explore each to give you a feel for how these systems function. Keep in mind that when using Yahoo, the scope of your search is restricted to the selection of the organizers who created the directory and, in effect, you are not really searching the web. Rather, you are searching the inventory of links which have been organized by Yahoo; and from those, you can launch out into the Internet.

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Option 1 - If you had entered your search term in the **query box** and sent it, then, for our term “**hypertension**”, you are given one **Category** within which Yahoo indexes **53 sites**; and those can be seen by scrolling.

Inside Yahoo! Matches

Health: Find information about [Hypertension](#) on Yahoo! Health

Yahoo! Category Matches (1 - 1 of 1)

Health > Diseases and Conditions

- [Hypertension](#)

Yahoo! Site Matches (1 - 19 of 53)

Health > Diseases and Conditions > [Kidney Diseases](#)

- [Hypertension, Dialysis, and Clinical Nephrology](#) - links to medical products, and drugs pertaining and papers.

Health > Diseases and Conditions > [Hypertension](#)

- [Hypertension Network, Inc.](#) - HTN links patients and physicians with a com high blood pressure.

Option 2 - Using the “advanced search” options, you can delimitate your search variously. One of special note is the “**Usenet**” search, which will take your term and show communications from chat groups.

[help](#)
 Yahoo! Usenet

The options below apply only to Yahoo Directory searches:

Select a search method:	Select a search area:
<input checked="" type="radio"/> Intelligent default	<input checked="" type="radio"/> Yahoo Categories
<input type="radio"/> An exact phrase match	<input type="radio"/> Web Sites
<input type="radio"/> Matches on all words (AND)	
<input type="radio"/> Matches on any word (OR)	

Find only new listings added during the past

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Option 3 - If you had selected the “Health” category on the homepage, you would have been directed to a sub-directory of **different categories**.

Health

Search all of Yahoo! just this category

Inside Yahoo!

- [Yahoo! Health](#) - provides health research, expert advice, healthy recipes, an
- [Join a Chat, Start or Join a Club](#)
- [Post a Message](#)
- [Shop Online](#)
- [Live Events](#)

Categories

- [Alternative Medicine \(515\) NEW!](#)
- [Business to Business@](#)
- [Chats and Forums \(56\)](#)
- [Children's Health \(186\)](#)
- [Conferences \(181\)](#)
- [Men's Health \(37\)](#)
- [Mental Health \(755\) NEW!](#)
- [Midwifery \(56\)](#)
- [News and Media \(199\)](#)
- [Nursing \(450\)](#)

By selecting a **particular category** and then by designating “**just this category**” and redoing your search, you can restrict the retrieval for you term to that particular category.

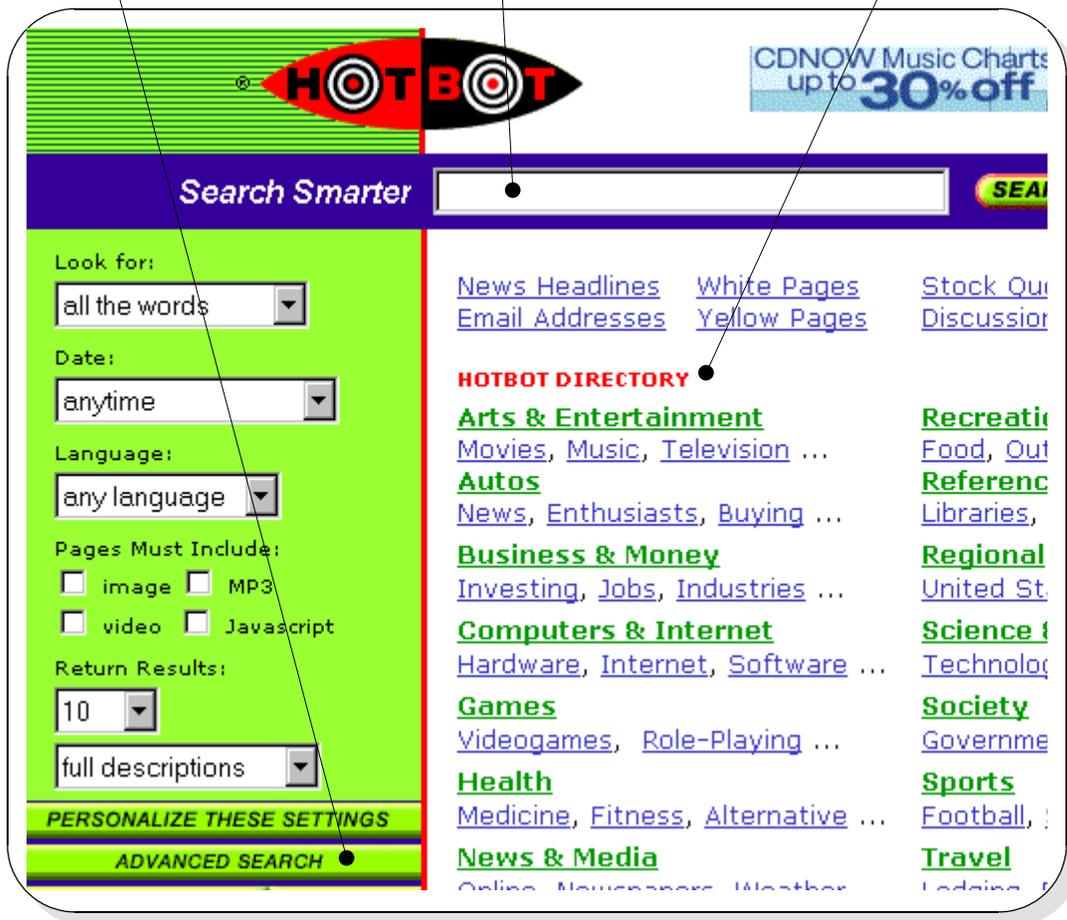
[Home](#) > [Health](#) > **Alternative Medicine**

hypertension Search all of Yahoo! just this category

Inside Yahoo!

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15(B) HOTBOT [<http://hotbot.lycos.com>] HOTBOT, because it builds its data bank by routinely roaming the Internet to collect links to web-sites (presently over 100 million), would be considered an Internet search engine in addition to being an Internet Directory. Originally created as “Inktome” at the University of California, Berkeley, it is now privatized. The structure is similar, with a **query entry box**, a preformatted **directory of links**, and **advanced search** structuring. The breadth of retrieval is much vaster than Yahoo.



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15(C) OTHER SEARCH ENGINES AND PORTALS. There are many other Internet search engines; and there is great competition and rapid evolution among them. Only a few others will be identified here, for no other reason, really, than to demonstrate the diversity. Each has different characteristics; and that which will be initially useful for a person may become inadequate as one becomes more skilled.

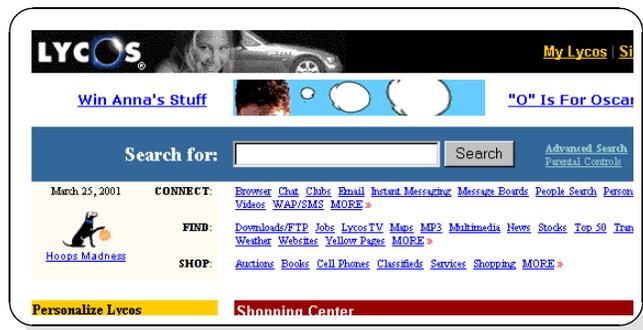
ALTA VISTA

[<http://www.altavista.com>]



LYCOS

[<http://www.lycos.com>]



GOOGLE

[<http://www.google.com>]



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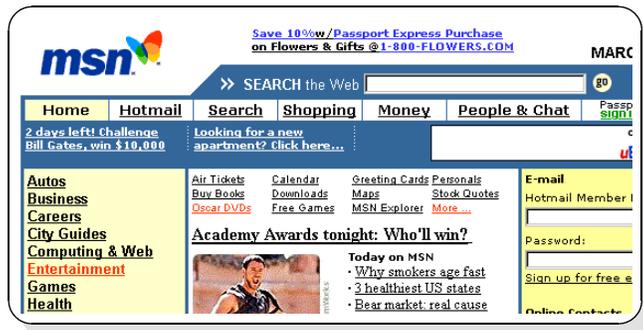
Netscape

[<http://www.netscape.com>]

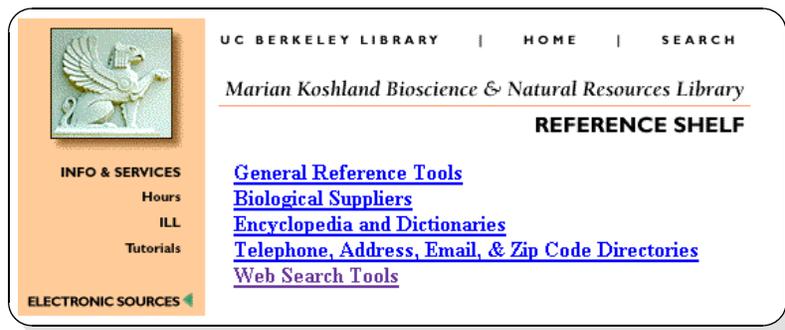


MSN Web Site

[<http://www.msn.com>]



Bio-Sciences Library - UCB. A variety of Web Search Tools are offered together with instructions and tutorials.



[<http://www.lib.berkeley.edu/BIOS/elec2.html#search>]

15 - Sites for Health and Medical Books

15(D) SITES FOR HEALTH AND MEDICAL BOOKS

AMAZON.COM

[<http://www.amazon.com>]



BARNES & NOBLE

[<http://www.barnesandnoble.com>]



BORDERS

[<http://www.borders.com>]

