

El acceso a la información médico-farmacéutica en Internet

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CINDOC-CSIC

La revolución Internet

Aspectos novedosos en documentación biomédica:

- ◆ *El fenómeno Medline*
- ◆ *Herramientas de primera generación*
- ◆ *Super-sedes*
- ◆ *Herramientas de segunda generación*
- ◆ *Comunidades Virtuales*

Medline

- ◆ Producida por la *National Library of Medicine*
- ◆ Una de las mayores bases de datos, con más de **9 millones** de registros bibliográficos con resumen (1997) de cerca de **4500 revistas**.
- ◆ Cobertura desde el año 1966.
- ◆ Excelente tesoro (**ME**dicinal **S**ubject **H**eading)
- ◆ Distribuida gratuitamente a través de Internet por varios suministradores a través de pasarelas Web con distintos softwares de recuperación

Suministradores gratuitos

NCBI PubMed	www.ncbi.nlm.nih.gov/PubMed	6823
HealthGate	www.healthgate.com/HealthGate/MEDLINE/search-advanced.shtml	3717
Internet Grateful Med v2.3.2	igm.nlm.nih.gov	2626
AVICENNA Medline	www.avicenna.com	1402
HealthWorld Online	www.healthy.net/library/search/medline.htm	869
Medscape	www.medscape.com/default.mhtml	832
Physicians' Home Page	php.silverplatter.com/physicians	695
Knowledge Finder	www.kfinder.com	369
Dr Felix's Free MEDLINE Page	www.docnet.org.uk/drfelix	230
Medical World	www.netlink.co.uk/users/sharkli	210
BioMedNet	biomednet.com/gateways/db/medline	135
PHYNET	medline.phynet.net	134
Healthworks: MEDLINE plus	www.healthworks.co.uk/hw/medline/medline.html	107
Health AtoZ	www.healthatoz.com/medline.htm	25
CME-CE	www.cme-ce.com/medline	7

Internet GratefulMed

PubMed

http://130.14.32.45/cgi-bin/IGM-client?28372+results+99

National Library of Medicine: IGM Results Screen

Citations 1 to 8 of 1066 from MEDLINE 1995-98

TITLE: [Evidence-based medicine and anaesthesia: uneasy bedfellows?](#)

AUTHOR: Horan BF

AUTHOR AFFILIATION: Brian Dwyer Department of Anaesthetics, St Vincent's Hospital, Sydney, N.S.W.

SOURCE: Anaesth Intensive Care 1997 Dec;25(6):679-85

NLM CIT. ID: 98114944 (abstract present)

TITLE: [Three case studies in forensic entomology from southern Italy.](#)

AUTHOR: Introna F Jr; Campobasso CP; Di Fazio A

AUTHOR AFFILIATION: Institute of Legal Medicine, University of Bari, Italy.

SOURCE: J Forensic Sci 1998 Jan;43(1):210-4

NLM CIT. ID: 98117664 (abstract present)

TITLE: [Chilean population data on ten PCR-based loci](#)

PubMed medline query <http://www.ncbi.nlm.nih.gov/pubmed/28372>

NCBI PubMed PubMed OUIRV PubMed ↑

Details Search Clear

Docs Per Page: 20 Entrez Date limit: No Link

5 citations found

Display for the articles selected (default all).

Order documents on this page through Loansome Doc

[Bravo Toledo R, et al.](#) [\[See Related Articles\]](#)
[Reporting of adverse drug reactions by primary care physicians].
Aten Primaria. 1995 Feb 28; 15(3): 155-161. Spanish.
PMID: 7711221; UI: 95226625.

[Bravo Toledo R, et al.](#) [\[See Related Articles\]](#)
[Family and community medicine: journals on a university topic].
Aten Primaria. 1995 Feb 15; 15(2): 126-127. Spanish. No abstract available.
PMID: 7888588; UI: 95195126.

[Bravo Toledo R.](#) [\[See Related Articles\]](#)
[Grey literature and primary care].
Aten Primaria. 1991 Nov; 8(10): 822. Spanish. No abstract available.
PMID: 1806017; UI: 92216010.

[Hernandez Lopez R, et al.](#) [\[See Related Articles\]](#)
[Captopril and the liver].
Aten Primaria. 1991 Jun; 8(6): 514. Spanish. No abstract available.
PMID: 1751734; UI: 92089457.

[Bravo Toledo R, et al.](#) [\[See Related Articles\]](#)
[Gilbert's syndrome in primary care].
Aten Primaria. 1991 May; 8(5): 441. Spanish. No abstract available.
PMID: 1912240; UI: 92003013.

Frecuencia de actualización

Date of Assessment	Service	Most Recent MEDLINE Entry from <i>New England Journal of Medicine</i>	Most Recent MEDLINE Update	Update Days Behind Knowledge Web
7 March 1998	Knowledge Web	26 February 1998	1998/April (Week 4)	0
	Better Health & Medical (AOL)	29 January 1998	1998/March	30
	HealthGate	20 November 1997	1998/January	107
	Infotrieve	25 September 1997	1997/November	145
	Medscape	25 September 1997	1997/November	145
	Avicenna	13 February 1997	1997/April	355
	PhyNet	Site Unavailable	---	---
	NLightN	Service has been discontinued	---	---

Buscadores e Indices Biomédicos

Herramientas de primera generacion: “*Server-side*”

◆ Buscadores

- u Achoo
(www.achoo.com)
- u MedHunt
(www.hon.ch/MedHunt)

◆ Metabuscadores

- u MedBot (www-med.stanford.edu/medworld/medbot)

◆ Indices

Medical Matrix	Health AtoZ
Hardin	Medsite
MedWeb	MedMark
CliniWeb	MedExplorer
MedExplorer	Omni
Martindale's HSG	
HealthWeb	

Achoo



[Directory](#) [Add/Edit URL](#) [About us](#) [Features](#) [Search](#) [Help?](#)

Internet Healthcare Directory Search

Your search for **evidence-based medicine** returned 2 site(s).
Displaying sites 1 thru 2

[Centre for Evidence-Based Medicine](#)

United Kingdom

The Centre has been established in Oxford as the first of several centres around the country whose aim broadly is to promote evidence-based health care and provide support and resources to anyone who wants to make use of them.

[Bandolier - Evidence-Based Health Care](#)

Canada, Alberta

Bandolier is a journal produced monthly by the Oxford Anglia NHS Region in the UK. It contains bullet points of evidence-based medicine.

Displaying Page 1 of 1

[Directory](#) | [Add/Edit URL](#) | [About Us](#) | [Features](#) | [Search](#) | [Help?](#)

This site is maintained by Achoo, a division of [MMS Systems Corporation](#) & [Bellamy Internet Services Inc.](#)

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MedHunt

Health On the Net Foundation

<http://www.hon.ch/cgi-bin/find?1+search>

Health On the Net Foundation



World-Wide Medical Search

And Or Adj Free

[New search?](#)

[HELP](#)

Medical Document Finder [Last sites](#) added in our database.

Your Request: ([rafael](#) **ADJ** [bravo](#))

Total: 3

[HONoured Sites](#) : 1 sites described by HON Team [Best Score : 20]

[Auto-Indexed Sites](#) : 2 sites indexed by [Marvin](#) [Best Score : 5]

HONoured Sites (1 to 1)

 Score: 20 - [WEB Medica de Rafael Bravo](#)

(Described by hon : 04 Jan 1998)

Search keywords: - [links](#) - [support](#)



Personal Webpage dedicated to Primary Health Care. Resources list of medical Internet sites.

Starting point especially for spanish medical professionals.



- Getafe - Madrid - Spain - Europe - Personal

Language : Spanish

Auto-Indexed Sites (1 to 2)



Score: 5 - [Salud en la Red](#)

(Visited by Marvin: Thu Dec 11 13:04:34 GMT+03:00 1997)

Search keywords: - [health](#) - [hospital](#) - [care](#) - [medicine](#) - [clinical](#)

- [Volver al principio](#)

MedBot



MedBot is the easiest way to search the web

for health and medicine resources. Only available from Stanford MedWorld.

Super Search!

Index & Reference Resources

Education & Learning Resources

News & Information Resources

MedWorld: MEDBOT Searching Tool

Super Search

Super Search queries up to four databases at the same time and reports the results of your search on a single page.

Super Search uses Javascript and requires Netscape 2.0 or higher.

[Link to the Stanford MedBot!](#)

(1) Enter keywords for search:

(2) Pick up to four indices to search from:

GENERAL INDICES

SEARCH ENGINES

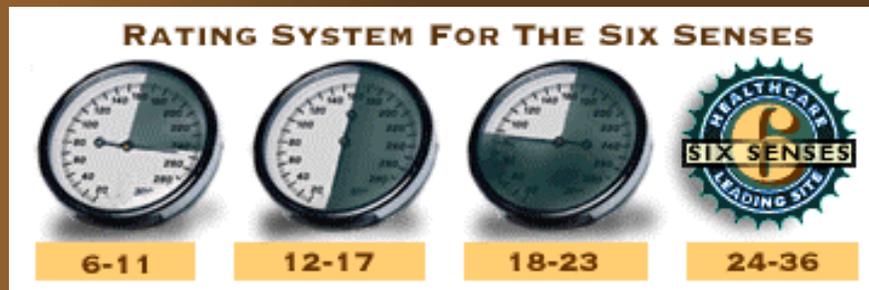
Indices

Super-sedes

- ◆ Supermercados de la información biomédica y farmacológica
- ◆ Obtención de valoraciones cualitativas por parte de expertos a través de ***Six-Senses***
- ◆ Cálculo de los principales parámetros descriptivos cuantitativos mediante agentes: ***Microsoft Site Analyser***
- ◆ Análisis e interpretación de los resultados

Six-Senses

- ◆ Evaluación por pares de las principales sedes Web Biomédicas
- ◆ www.sixsenses.com
- ◆ Criterios cualitativos expuestos de forma cuantitativa



Resultados globales

CATEGORIAS	N	PAGS	LINKS	SixSenses
<i>Asociaciones e Instituciones</i>	9	22295	228914	21,1
<i>Biotecnología</i>	4	380	6088	24,5
<i>Medicina Clínica</i>	6	6875	134222	24,4
<i>Enfermedades Crónicas</i>	8	2978	40204	24,0
<i>Hospitales</i>	4	3425	52230	24,3
<i>Instrumental y Suministros</i>	9	2232	54242	23,3
<i>Publicaciones Electrónicas</i>	33	41270	572654	23,5
<i>Farmacología</i>	3	2258	37235	25,2
<i>Miscelánea</i>	15	14621	160620	23,8
Global	72	80251	1085650	23,4

Diez Mayores Super-Sedes

	<u>PAGS</u>	<u>LEXT</u>	<u>OTOT</u>	<u>LTOT</u>	<u>SIXS</u>
<i>MedScape</i>	9345	917	10298	37301	32
<i>Mental Health Net</i>	9098	48008	18117	142245	23,3
<i>Food & Drug Administration</i>	8861	2026	16136	61715	27
<i>MedAccess</i>	7248	5433	9669	102906	25,5
<i>American College of Physicians</i>	4931	5459	6444	87050	24
<i>NYU Medical Center</i>	3922	4575	7898	25136	22,6
<i>Mayo Clinic</i>	3747	1491	11341	80417	24,3
<i>British Medical Journal</i>	3201	7511	5216	53839	14,5
<i>Columbia/HCA Healthcare Co</i>	3108	19764	10174	42205	32,6
<i>Melanoma Patients' Info Page</i>	2273	3698	3158	27529	29,3

Herramientas de segunda generación

- ◆ Búsqueda, localización y recuperación de la información “*client-side*”.
 - u Personalización
 - u Automatización
 - u Exportación (Edición)
- ◆ **Cientes Z39.50**: Extracción de registros de Medline y otras bbdd. Simultáneamente.
- ◆ **Indizadores**: Asignación de palabras clave y extracto de resúmenes de forma automática.

Cientes Z39.50

BookWhere? 2000 - [Session1]

File Edit Actions Options Window Help

Author is "bravo" National Library of Medicine

Author	Title	Date
Dorfman K	Disruption of the erp/mkp-1 gene does not affect mouse development...	1996
Soriano V	[Proposal of a rule for deciding the therapeutic option in chronic hepat...	1996
Baumrind S	Partitioning the components of maxillary tooth displacement by the co...	1996
Paladini RD	Onset of re-epithelialization after skin injury correlates with a reorgani...	1996

Host: National Library of Medicine (50)

Subject: National Library of Medicine

Host: National Library of Medicine

ISSN 0014-2565

Title [Proposal of a rule for deciding the therapeutic option in chronic hepatitis C in HIV-infected patients. Spanish Group for the Study of Viral Hepatitis in HIV-infected Patients]

Subject [AIDS-Related Opportunistic Infections](#) therapy

Subject [AIDS-Related Opportunistic Infections](#) virology

Subject [Decision Making](#)

Subject [Female](#) check tag

Subject [Hepatitis C](#) therapy

Subject [Hepatitis C](#) virology

Subject [Hepatitis, Chronic](#) etiology

Subject [Hepatitis, Chronic](#) therapy

Subject [Hepatitis, Chronic](#) virology

Subject [Human](#) check tag

Subject [Male](#) check tag

Subject [Journal Article](#) mesh

Other Author [Soriano V](#) Instituto de Salud Carlos III, Madrid.

Other Author [Garcia-Samaniego J](#)

Other Author [Castilla J](#)

Other Author [Bravo R](#)

Other Author [Hermida M](#)

Other Author [Gonzalez J](#)

Other Author [Colmenero M](#)

48 50(319)

NUM

For Help, press F1

Indizadores

The screenshot shows the WebCompass search engine interface. The title bar reads "WebCompass - [multimedia 'information society' europe]". The menu bar includes "File", "Edit", "View", "Agent", "Tools", "Window", and "Help". Below the menu is a toolbar with various icons. A search bar contains the text "multimedia 'information society' europe" and a "Search" button. The search results are displayed in a table with columns: Name, Description, Relev..., Links, and Imj. The first three results are for "Information Market Europe Home page" with a relevance of 29, 35 links, and 11 images. The fourth result is "MSIG Finland Tutkimus & Kehitys" with a relevance of 23, 13 links, and 6 images. The fifth result is "VENTO MARIBETO 1998" with a relevance of 17, 0 links, and 0 images. Below the table, the details for the selected result are shown: Title: Information Market Europe Home page, URL: http://www.echo.lu/, Links: 35, Images: 11. The summary text describes the service as an interactive service of DGXIII of the European Commission. The keywords include information, multimedia, information society, education, proposals, programme, m europe, telematics, summaries, european multimedia, europrix multimedia, archives, users, action, standardisation, language industries, libraries, storage, european union's collective memory, events, servers, technologies, open calls, set of services, echo databases, daily, rtd, europe.

Name	Description	Relev...	Links	Imj
Information Market Europe Home p...	An interactive service of DGXIII of the ...	29	35	11
Information Market Europe Home p...	An interactive service of DGXIII of the ...	29	35	11
Information Market Europe Home p...	An interactive service of DGXIII of the ...	29	35	11
MSIG Finland Tutkimus & Kehitys	The EuRatIN partners have been dev...	23	13	6
VENTO MARIBETO 1998	Webshop: Introduction to EUTEL SAT	17	0	0

Title: Information Market Europe Home page
URL: http://www.echo.lu/
Links: 35 **Images:** 11

Summary: An interactive service of DGXIII of the European Commission serving you with latest EU information on the European markets for multimedia content and electronic information services. Europrix Multimedia 1998: a new award and contest to identify the best in European multimedia production The Commission at MILLIA'98: Explore our conference theme presented at MILLIA'98 Trading Cultural Assets (EN, FR) Open Calls for Proposals and Tenders Navigate in IM-EUROPE's contents in a 3D virtual space M News: A news service on DGXIII's initiatives for the information and multimedia content markets. INFO2000 A programme aiming to stimulate the European multimedia content industry and to encourage the use of multimedia content in the information society. Telematics Applications Programme This programme is aimed at stimulating RTD in applications of information and/or communications technologies. Educational Multimedia Task Force The role of this task force is to strengthen the position of the European educational multimedia industry and to enable users to derive maximum benefit from new technologies as applied to education and training.

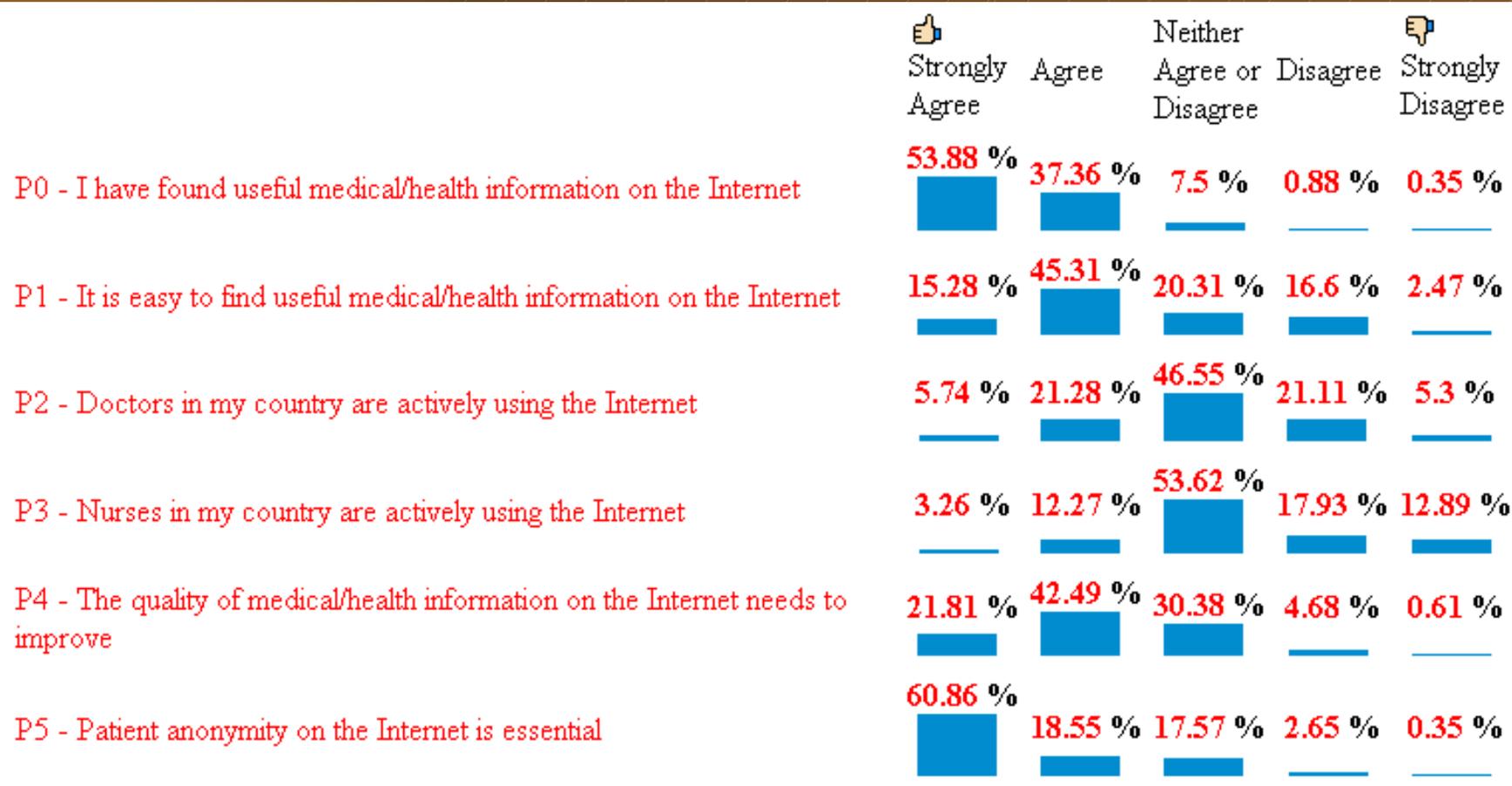
Keywords: , information, multimedia, information society, education, proposals, programme, m europe, telematics, summaries, european multimedia, europrix multimedia, archives, users, action, standardisation, language industries, libraries, storage, european union's collective memory, events, servers, technologies, open calls, set of services, echo databases, daily, rtd, europe,

Comunidades Virtuales

- ◆ Grupos de acceso privado. Dos modalidades:
 - u Registro gratuito
 - u Servicios bajo pago
- ◆ Un amplio grupo de servicios de valor añadido:
 - u Acceso a bbdd.
 - u Consulta a especialistas
 - u Recursos multimedia
- ◆ MEDINET (www.medynet.com)

Encuesta de la © Health on Net Foundation

1132 respuestas (Ago-Sep`97)



Ejemplos

Evaluated MEDLINE

<http://biomednet.com/db/medline>



[Click Here](#)



Why not pharm it out?

Welcome to Stanford MedWorld!

http://www-med.stanford.edu/medworld/home/index_java.html



Search MEDLINE

[About Evaluated MEDLINE](#)

Type your query here e.g. 'cell cycle' and smith:au

1. Restrict your search	2. Search from	3. Order by
Full MEDLINE with MeSH	1966 to 1998	<input checked="" type="radio"/> By relevance <input type="radio"/> By date

Isidro Aguillo's Search History

Previous searches can be combined. For example: #1 or (#2 and virus) [Help on Search](#)

The Independent Stanford Medical Student Web Site

FRIDAY - YENDREDI - VRYDAG - PIATNICA - FREITAG - PIAT



FOR STUDENTS, PATIENTS, PHYSICIANS AND THE HEALTH CARE COMMUNITY • SIGN OUR GUESTBOOK

Inside

- Beyond the Magic Scalpel
- When Death is Not Goodbye
- Ludwig's Angina
- Caring for Ourselves
- [More Articles](#)

Mind

- Feature Article
- Research Tools

Stage

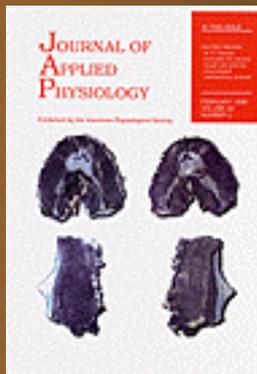
- Doctor Diaries
- Debak Audio

Arena

- Home Dates
- Discussed in

[Feedback](#) [Privacy](#)

Publicaciones y Revistas Electrónicas



Conclusiones

- ◆ La distribución gratuita de *Medline* ha supuesto una gran revolución.
- ◆ Gran importancia de las *super-sedes*, tanto en volumen como en calidad de la información.
- ◆ Existe una amplia oferta de *buscadores*, *índices* y *programas de recuperación de la información* de utilidad biomédica.
- ◆ Se empiezan a imponer los *servicios de valor añadido*, que implican costes compartidos o recursos tarificados.