

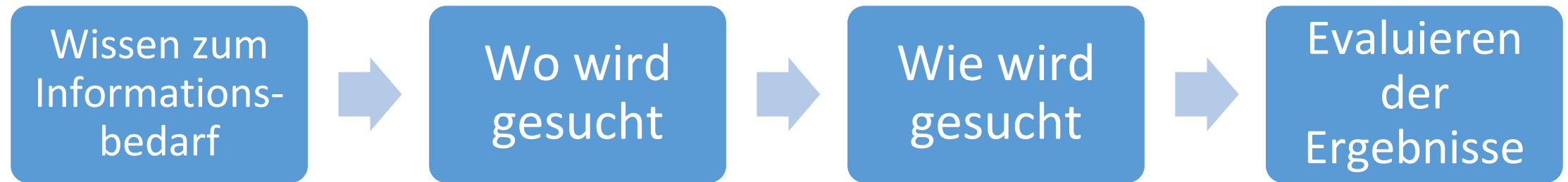
Der Suchprozess

EINFOSE Summer School 2018

Andreu Sulé

University of Barcelona

Phasen des Suchprozesses



Wissen zum Informationsbedarf

1. Eindeutige Identifizierung des zu lösenden Informationsproblems
2. Analyse des Themas
3. Analyse des Kontexts
4. Liste von Termen für die Suche



1. Eindeutige Identifizierung des zu lösenden Problems

- Primäre Zielsetzung > Die **beste Information** finden, um das Problem zu lösen
 - Vermeidung irrelevanter Informationen (noise)
 - Vermeidung eines Mangels an relevanten Informationen (silence)
- Analyse des Informationsproblems
 - Spezifizieren des benötigten Umfangs an Information
 - Bestimmen der Charakteristika der benötigten Information (situational)
- Beispiel > *Der Fall des Patriot Acts*

2. Analyse des Themas

- Oberbegriff des Themas
 - Spezifische Aspekte des Themas
 - Perspektive
 - Geografischer Rahmen
 - Chronologischer Rahmen
- Bezug zu: Wo wird gesucht + Wie wird gesucht

3. Analyse der Situation

- Bezogen auf die Situation selbst (verknüpft mit Wo wird gesucht + Evaluieren der Ergebnisse)
 - Ziel/Zweck
 - Grad der Erschöpfung
 - Art der Ressourcen
 - Zeit, um die Information zu finden und zu lesen
- Bezogen auf die Person mit Informationsbedarf (verknüpft mit Evaluieren der Ergebnisse)
 - Bildungsgrad
 - Wissen zum Thema
 - Fähigkeit eine Sprache zu lesen
 - Zugang zu den Informationen

4. Liste von Termen für die Suche

- Terme
- Synonyme
- Pendants in anderen Sprachen

Englisch	Deutsch	Spanisch
Patriot Act		
Terrorism	Terrorismus	Terrorismo
Jurisprudence	Jurisprudenz	Jurisprudencia
Libraries	Bibliotheken	Bibliotecas
Library users	Benutzer der Bibliothek	Usuarios de bibliotecas
Information privacy	Datenschutz	Privacidad de la información
Data privacy	Datenprivatsphäre	Privacidad de los datos
Data protection	Datenschutz	Protección de los datos
United States of America	Vereinigte Staaten von Amerika	Estados Unidos de América
USA	USA	EE.UU.

Themen- und Situationsanalyse

Wo wird gesucht

Wie wird gesucht

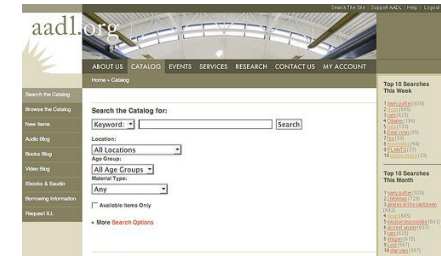
Evaluieren der Ergebnisse

Wo wird gesucht?

- Wähle geeignete Suchinstrumente



WIKIPEDIA
The Free Encyclopedia



Wo wird gesucht

- Art der Quelle der Information
 - Primär > direkter Zugriff auf Information (Wikipedia, Google Knowledge, ...)
 - Sekundär > Indirekter Zugriff auf Information (Google, Bibliothekskataloge, data bases, ...)
- Analyse der Quellen der Information
 - Autorität
 - Themenschwerpunkt
 - Grad der Erschöpfung
 - Art der Quelle (Buch, Zeitschrift, Karte, Video, Lied...)
 - Sprache der Quelle
 - Zugriff auf Information
 - Chronologischer Umfang
 - Geographischer Umfang

Google

Art der Quelle der Information	Sekundär
Autorität	Google Inc.
Themenschwerpunkt	Allgemein
Grad der Erschöpfung	Alle indexierten Webquellen
Art der Quelle	All Arten (Internetseiten, PDF, Nachrichten,Karten...)
Sprache der Quelle	Alle Sprachen
Zugriff auf Information	Überwiegend frei, offener Zugriff
Chronologischer Umfang	Alles
Geographischer Umfang	Alles

PubMed (database)

Art der Quelle der Information	Sekundär
Autorität	United States National Library of Medicine; National Institutes of Health
Themenschwerpunkt	Medizin, Biologie
Grad der Erschöpfung	Selektiv
Art der Quelle	Überwiegend Artikel aus Zeitschriften
Sprache der Quelle	Überwiegend Englisch
Zugriff auf Information	Offener und Zugriff mit Abonnement
Chronologischer Umfang	1966-
Geographischer Umfang	Überwiegend USA

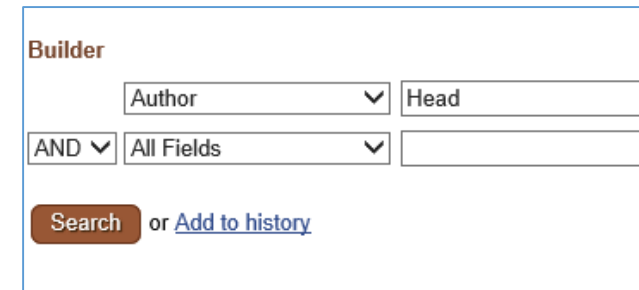
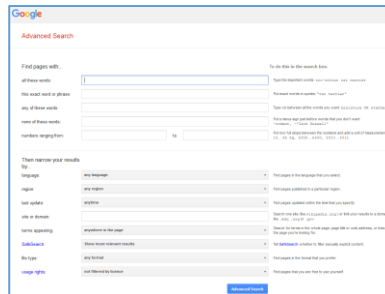
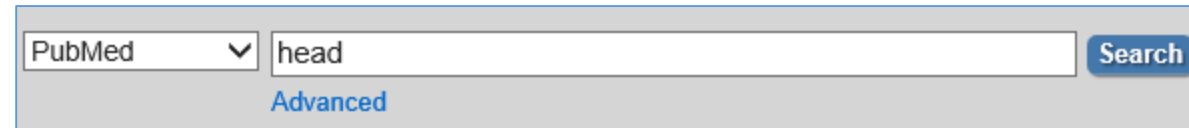
Wie wird gesucht

- Einfache Suche
- Fortgeschrittene Suche
- Feldsuche
- Boolesche Operatoren
- Exakte Phrasen
- Trunkierung
- Explorative Suche



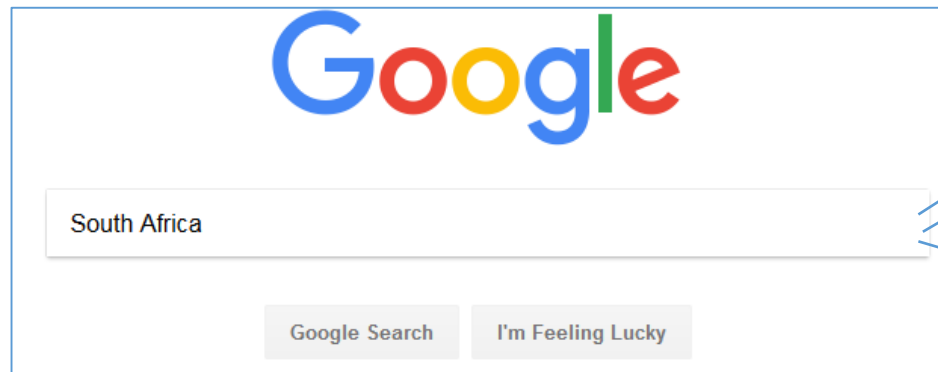
Wie wird gesucht

- Jede Informationsquelle besitzt spezifische Möglichkeiten zur Suche



Wie wird gesucht

- Einfache Suche



<https://www.google.com/>

A screenshot of a Lonely Planet article about South Africa. The article is titled "Welcome to South Africa". It contains several sections: "Wildlife", "Outdoor Adventure", "History", and "Dramatic Landscapes". Red boxes highlight the following text: "Welcome to South Africa", "South Africa is one of the continent's best safari destinations...", "To visit South Africa without learning about its tumultuous history...", and "South Africa's landscapes are stunning...". Blue arrows point from the search bar in the previous image to these highlighted sections.

<https://www.lonelyplanet.com/south-africa>

Wie wird gesucht

- Einfache Suche

PubMed
Advanced

<https://www.ncbi.nlm.nih.gov/pubmed/>

J Community Support Oncol. 2015 Jan;13(1):14-21. doi: 10.12788/jcso.0101.

Impact of a telehealth intervention on quality of life and symptom distress in patients with head and neck cancer.

Pfeifer MP¹, Keenev C², Bumpous J³, Schapmire TJ¹, Studts JL⁴, Myers J⁵, Head B⁶

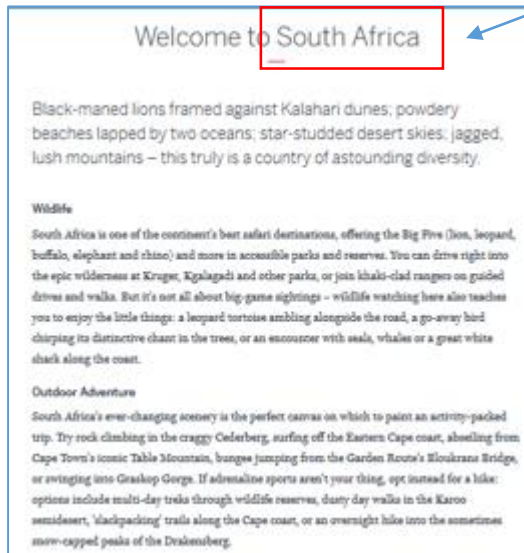
Author information

Abstract
BACKGROUND: Patients undergoing treatment for head and neck cancer commonly experience significant changes in quality of life (QoL) and levels of symptom distress. It is not known if a telehealth intervention would mitigate these changes.
OBJECTIVE: To evaluate the impact of a telehealth intervention on QoL and symptom burden in patients undergoing initial treatment for head and neck cancers.
METHODS: A randomized clinical trial comparing the impact on QoL and symptom distress of telehealth intervention and standard care was conducted with 80 patients (45 treatment, 35 control) who had been diagnosed with head or neck cancer and were receiving 1 or more treatment modalities. Treatment group participants responded daily to symptom management algorithms using a simple telehealth messaging device. QoL was evaluated by the Functional Assessment of Cancer Therapy-Head and Neck Scale (FACTHN) and symptom burden by the Memorial Symptom Assessment Scale (MSAS). Control group participants completed assessments while they received routine care.
RESULTS: In the posttreatment phase, the telehealth participants had significantly better scores than the controls for physical well-being (20.6 vs 17.0, P = .02) and trial outcome index (59.9 vs. 50.2, P = .04) on the FACT-HN, and total scores on the MSAS (0.9 vs. 1.2, P = .04).
LIMITATIONS: The moderate sample size of 80 patients limits the power to measure more subtle impacts of the intervention.
CONCLUSIONS: Using telehealth to provide support to patients with head and neck cancer during the acute phase of treatment improved some aspects of posttreatment QoL and symptom burden.
©2015 Frontline Medical Communications.
KEYWORDS: head and neck cancer; quality of life; supportive oncology; telehealth

<https://www.ncbi.nlm.nih.gov/pubmed/25839061>

Wie wird gesucht

- Fortgeschrittene Suche
 - Spezifizierung der Suche
- Feldsuche



<https://www.lonelyplanet.com/south-africa>

Google

Advanced Search

Find pages with...

all these words: To do this in the search box. Type the important words: tri-colour rat terrier

this exact word or phrase: Put exact words in quotes: "rat terrier"

any of these words: Type OR between all the words you want: miniature OR standard

none of these words: Put a minus sign just before words that you don't want: -rodent, -"Jack Russell"

numbers ranging from: to Put two full stops between the numbers and add a unit of measurement: 10..35 kg, £300..£500, 2010..2011

Then narrow your results by...

language: Find pages in the language that you select.

region: Find pages published in a particular region.

last update: Find pages updated within the time that you specify.

site or domain: Search one site (like wikipedia.org) or limit your results to a domain like .edu, .org or .gov

terms appearing: Search for terms in the whole page, page title or web address, or links to the page you're looking for.

SafeSearch: Tell SafeSearch whether to filter sexually explicit content.

file type: Find pages in the format that you prefer.

usage rights: Find pages that you are free to use yourself.

https://www.google.com/advanced_search?hl=en-ES&fg=1

Wie wird gesucht

- Fortgeschrittene Suche
 - Spezifizierung der Suche
- Feldsuche

Builder

Author	▼	Head		
AND	▼	All Fields	▼	

or [Add to history](#)

Cochrane Database Syst Rev. 2018 Jun 22;6:CD012597. doi: 10.1002/14651858.CD012597.pub2. [Epub ahead of print]

Saline irrigation for allergic rhinitis.

Head K¹, Snidvongs K, Glew S, Scadding G, Schilder AG, Philpott C, Hopkins C.

Author information

Abstract

BACKGROUND: Allergic rhinitis is a common condition affecting both adults and children. Patients experience symptoms of nasal obstruction, rhinorrhoea, sneezing and nasal itching, which may affect their quality of life. Nasal irrigation with saline (salty water), also known as nasal douching, washing or lavage, is a procedure that rinses the nasal cavity with isotonic or hypertonic saline solutions. It can be performed with low positive pressure from a spray, pump or squirt bottle, with a nebuliser or with gravity-based pressure in which the person instils saline into one nostril and allows it to drain out of the other. Saline solutions are available over the counter and can be used alone or as an adjunct to other therapies.

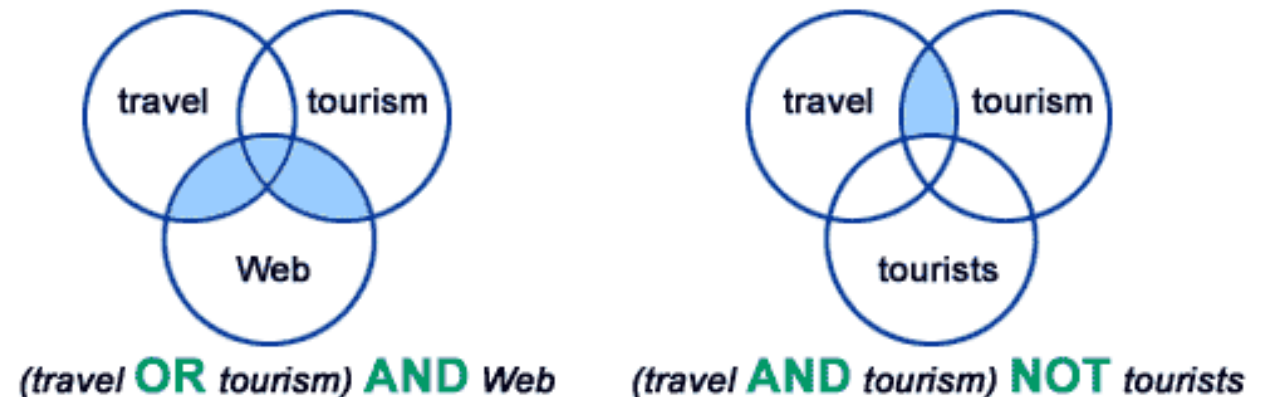
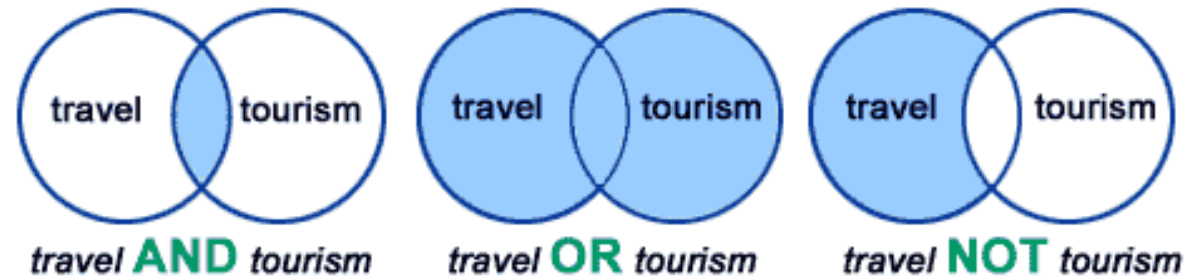
OBJECTIVES: To evaluate the effects of nasal saline irrigation in people with allergic rhinitis.

SEARCH METHODS: The Cochrane ENT Information Specialist searched the ENT Trials Register; CENTRAL; Ovid MEDLINE; Ovid Embase; CINAHL; Web of Science; ClinicalTrials.gov; ICTRP and additional sources for published and unpublished trials. The date of the search was 23 November 2017.

<https://www.ncbi.nlm.nih.gov/pubmed/29932206>

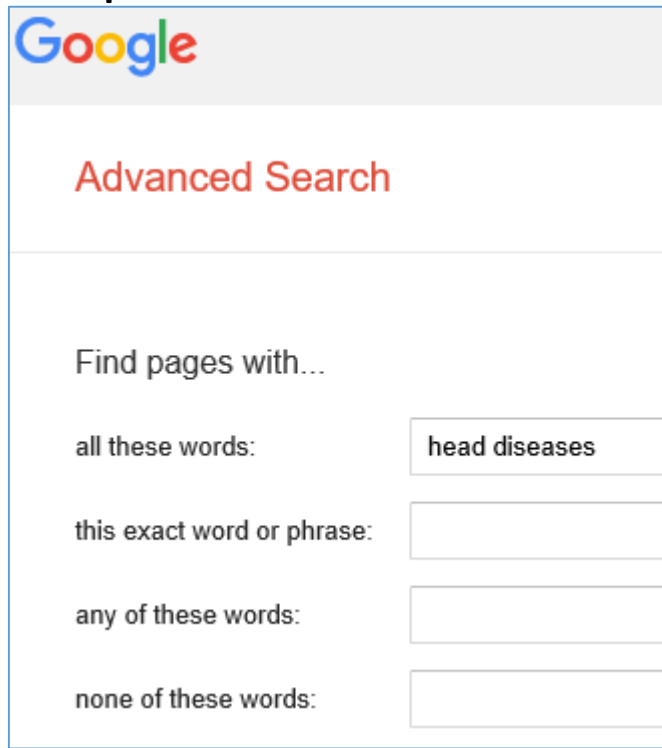
Wie wird gesucht

- Boolesche Operatoren
 - Spezifizieren der Suche
 - Verallgemeinern der Suche
- Nutzen von Klammern um boolesche Operatoren zu priorisieren
- Feldsuche



Wie wird gesucht

- Boolesche Operatoren



Google

Advanced Search

Find pages with...

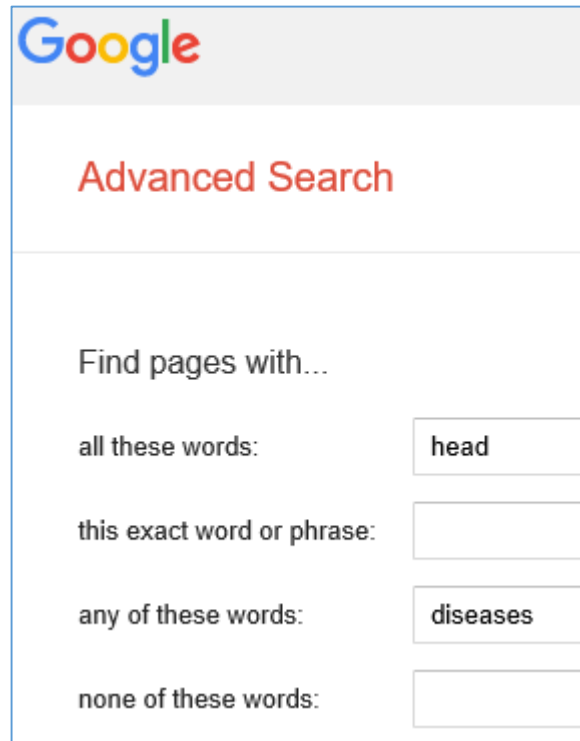
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this exact word or phrase:

any of these words:

none of these words:

AND



Google

Advanced Search

Find pages with...

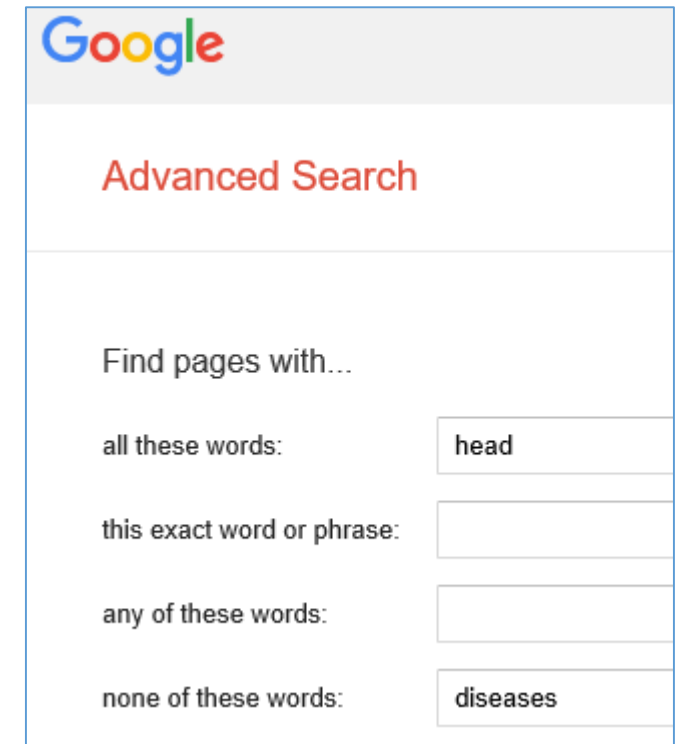
all these words:

this exact word or phrase:

any of these words:

none of these words:

OR



Google

Advanced Search

Find pages with...

all these words:

this exact word or phrase:

any of these words:

none of these words:

NOT

Wie wird gesucht

- Boolesche Operatoren

Builder

	Author	▼	head
AND ▼	MeSH Terms	▼	diseases
AND ▼	All Fields	▼	

Search or [Add to history](#)

AND

Builder

	Author	▼	head
OR ▼	MeSH Terms	▼	diseases
AND ▼	All Fields	▼	

Search or [Add to history](#)

OR

Builder

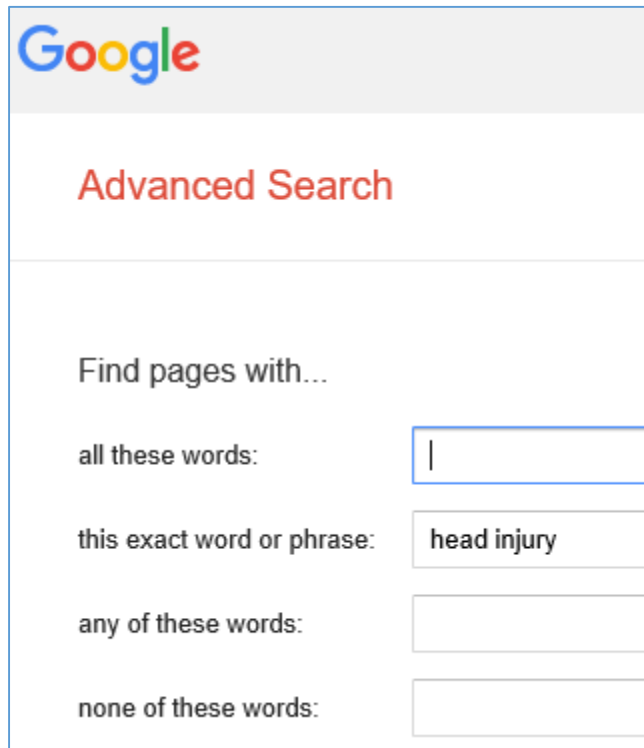
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NOT ▼	MeSH Terms	▼	diseases
AND ▼	All Fields	▼	

Search or [Add to history](#)

NOT

Wie wird gesucht

- Exakte Phrasen
 - Spezifizieren der Suche



Google

Advanced Search

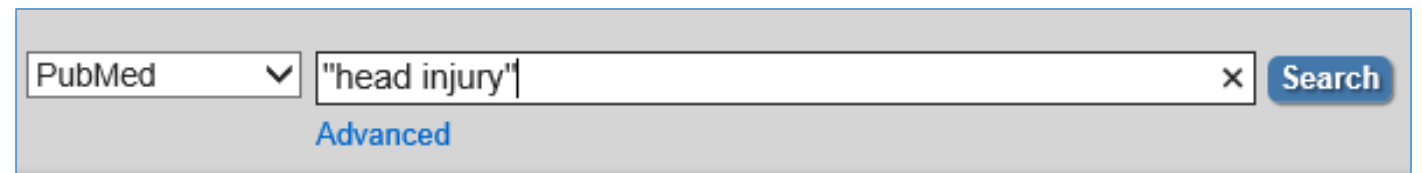
Find pages with...

all these words:

this exact word or phrase:

any of these words:

none of these words:

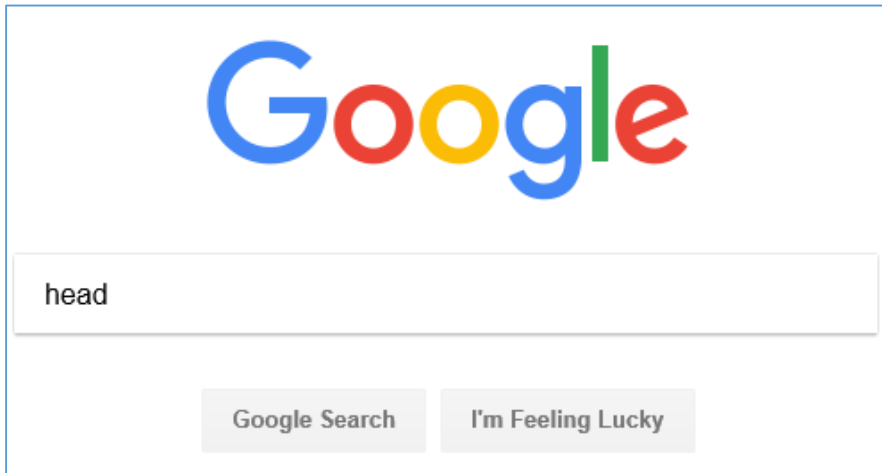


PubMed

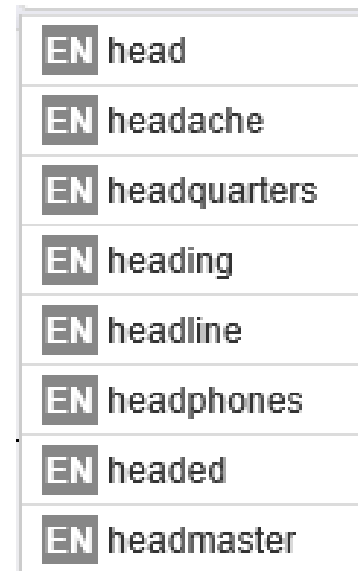
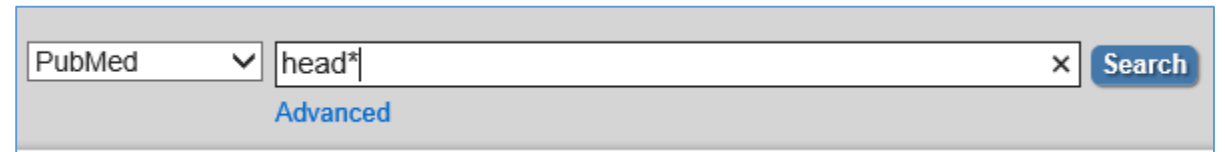
Advanced

Wie wird gesucht

- Trunkierung
 - Erweitern der Suche

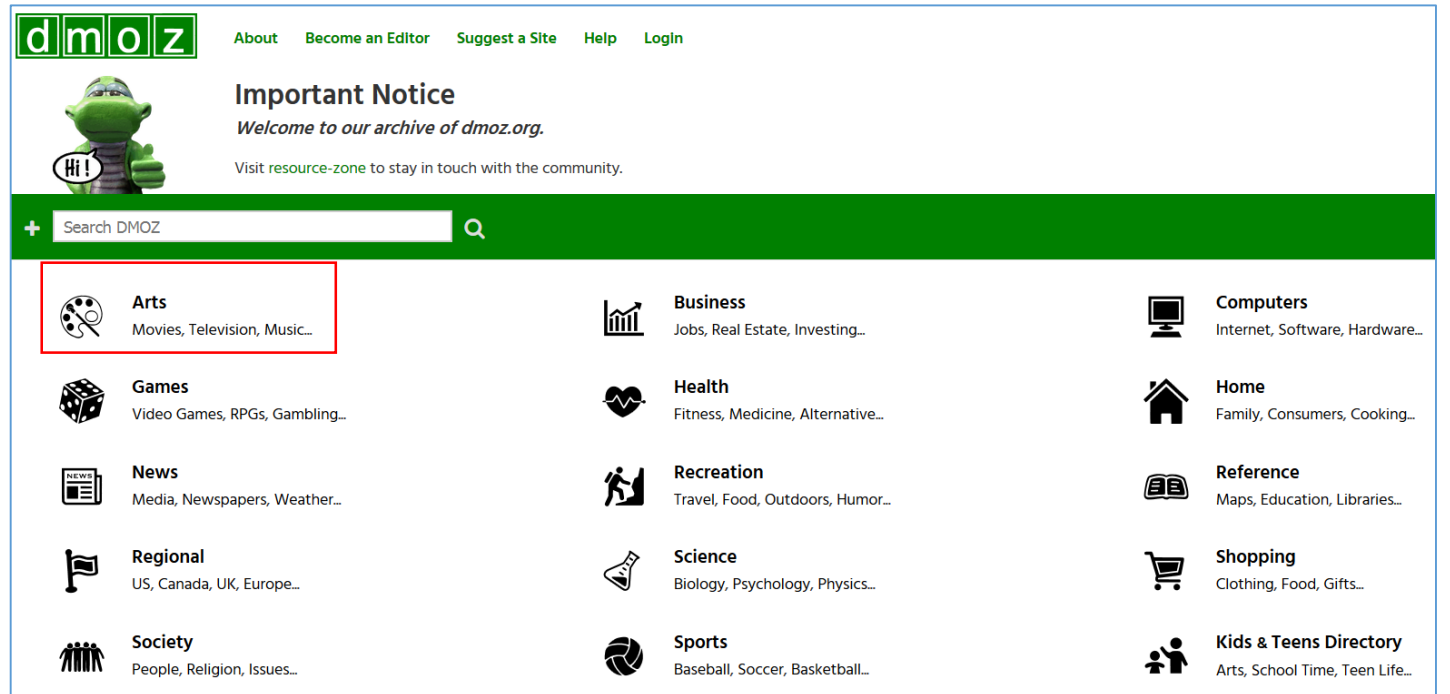


Automatische Trunkierung



Wie wird gesucht

- Explorative Suche
 - Terme hierarchisch strukturiert

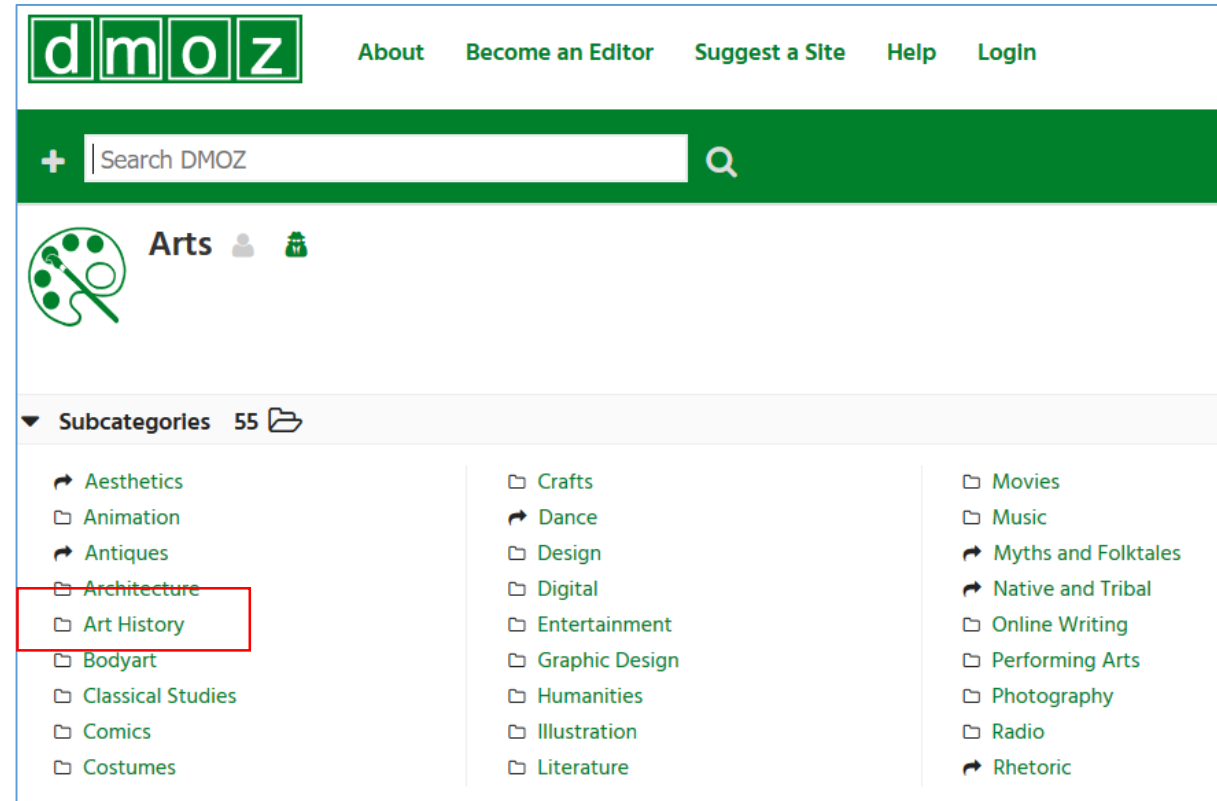


The screenshot shows the DMOZ website homepage. At the top left is the 'dmoz' logo. To its right are navigation links: 'About', 'Become an Editor', 'Suggest a Site', 'Help', and 'Login'. Below the logo is a green cartoon character with a speech bubble saying 'Hi!'. To the right of the character is an 'Important Notice' section with the text: 'Welcome to our archive of dmoz.org.' and 'Visit resource-zone to stay in touch with the community.' Below the notice is a green search bar with the text 'Search DMOZ' and a magnifying glass icon. Below the search bar is a grid of category links, each with an icon and a title. The 'Arts' category is highlighted with a red border. The categories are: Arts (Movies, Television, Music...), Games (Video Games, RPGs, Gambling...), News (Media, Newspapers, Weather...), Regional (US, Canada, UK, Europe...), Society (People, Religion, Issues...), Business (Jobs, Real Estate, Investing...), Health (Fitness, Medicine, Alternative...), Recreation (Travel, Food, Outdoors, Humor...), Science (Biology, Psychology, Physics...), Sports (Baseball, Soccer, Basketball...), Computers (Internet, Software, Hardware...), Home (Family, Consumers, Cooking...), Reference (Maps, Education, Libraries...), Shopping (Clothing, Food, Gifts...), and Kids & Teens Directory (Arts, School Time, Teen Life...).

<http://dmoz-odp.org/>

Wie wird gesucht

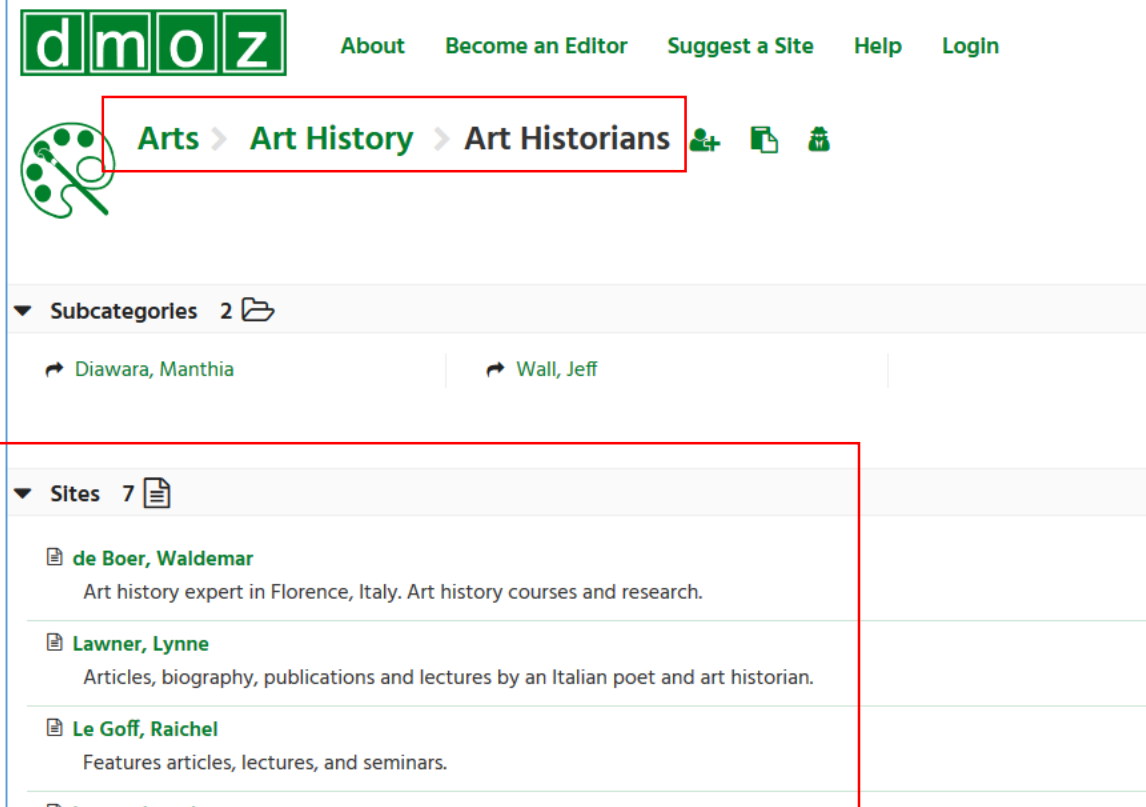
- Explorative Suche
 - Terme hierarchisch strukturiert



<http://dmoz-odp.org/>

Wie wird gesucht

- Explorative Suche
 - Terme hierarchisch strukturiert



The screenshot shows the DMOZ website interface. At the top, the DMOZ logo is on the left, and navigation links for 'About', 'Become an Editor', 'Suggest a Site', 'Help', and 'Login' are on the right. Below the logo is a breadcrumb trail: 'Arts > Art History > Art Historians', which is highlighted with a red box. To the left of the trail is a paint palette icon, and to the right are icons for adding a site, a document, and a user. Below the breadcrumb trail is a section for 'Subcategories' with two items: 'Diawara, Manthia' and 'Wall, Jeff'. Below that is a section for 'Sites' with seven items, which is also highlighted with a red box. The visible items in the 'Sites' section are:

- de Boer, Waldemar**: Art history expert in Florence, Italy. Art history courses and research.
- Lawner, Lynne**: Articles, biography, publications and lectures by an Italian poet and art historian.
- Le Goff, Raichel**: Features articles, lectures, and seminars.

<http://dmoz-odp.org/>

Wie wird gesucht

- Explorative Suche
 - Filter
 - Spezifizieren der Suche

PubMed.gov
US National Library of Medicine
National Institutes of Health

PubMed

Create RSS Create alert Advanced

Format: Summary Sort by: Most Recent Per page: 20 Send to Filter

Best matches for head:

[Prospective multicenter study of ultrasound-based measurements of fetal head station and position throughout labor.](#)
Vitner D et al. Ultrasound Obstet Gynecol. (2015)

[\[Head and neck superficial venous malformations\].](#)
Sigaux N et al. Rev Stomatol Chir Maxillofac Chir Orale. (2015)

[The effect of hair density on the coupling between the tactor and the skin of the human head.](#)
Myles K et al. Appl Ergon. (2015)

Search results

Items: 1 to 20 of 582859 << First < Prev Page 1 of 29143 Next > Last >>

[Chinese Society of Allergy Guidelines for Diagnosis and Treatment of Allergic Rhinitis.](#)
1. Cheng L, Chen J, Fu Q, He S, Li H, Liu Z, Tan G, Tao Z, Wang D, Wen W, Xu R, Xu Y, Yang Q, Zhang C, Zhang G, Zhang R, Zhang Y, Zhou B, Zhu D, Chen L, Cui X, Deng

Evaluieren der Ergebnisse

- Objektive Relevanz
 - Urheberschaft
 - Inhalt
 - Aktualität
 - Zuverlässigkeit der Quelle
 - Zugriff
- Subjektive Relevanz

