

Searching for information on the internet: A short introduction

Prof Kehinde Oluwadiya

www.oluwadiya.com

Internet Search tools

- The internet is full of information
- But the information is useless unless it can be retrieved
- Search tools are needed to retrieve the information necessary to you
- Which search tools are available?
 - Gateways
 - Databases
 - Search Engines

Gateway

- A node or network that serves as an entrance to another network, gateways organize information in a structured way in general or subject categories

- WHO A-Z health topics list

<http://www.who.int/topics/en/>

- HINARI
- AGORA
- OARE
- AJOL



Database

- A collection of information organized in such a way that a computer can be used to quickly access it
 - an electronic filing system
 - the program can quickly select desired pieces of data
 - Example:
 - PubMed - a free search tool to over 16 million citations
<http://www.ncbi.nlm.nih.gov/entrez/>
 - CINAHL
 - EMBASE



Search Engine

- A program that searches documents for specified keywords and returns a list of documents where the keywords were found
- Search engines utilize automated robotics (called spiders) to gather and index information
- Search Engines:
 - Google <http://www.google.com>
 - Google Scholar (more focused) <http://www.scholar.google.com>
 - Bing <http://bing.com>
 - Yahoo <http://www.yahoo.com/>



About Google Scholar <https://scholar.google.com/>

- Google “harvests” information from full-text articles with publisher permission, then makes them fully searchable.
 - Not all publishers are included.
- Also includes non journal sources like books, free and “open source” resources, digital libraries, and other scholarly sources on the Web
- 2 different types of entries
 - Main entries for publication itself
 - Mini-entries for cited references that GS cannot find online.
[citation]

About MEDLINE

- Largest database of **indexed** journal citations for health sciences literature
 - **Indexed records** = Organized records that include standard descriptors of topics
- >16 million citations from 5000 journals back to 1949
- Produced by National Library of Medicine (NLM), one of the National Institutes of Health

About MEDLINE

- Available with different interfaces developed by different organizations
 - **Interface** = screen you see + search engine in background
- Interphase include
 - PubMed
 - Ovid MEDLINE
 - Other versions which look different but have the same raw data.
 - ClusterMed
 - Web of Science
 - EBSCOhost

Medline Limitations

- New journals generally not included until they have proven themselves over several years
- Does not cover literature from many disciplines and from non-journal sources
- Includes primarily journals related to the health sciences and a few major journals from related disciplines
 - Does not include health-related articles from journals in other disciplines

AJOL

- African Journal Online
- Repository of journals published across Africa
- Contains articles, many free, that are not obtainable elsewhere on the internet
- Will not allow you to download articles from journals domicile in your country.



Searching Strategy Overview

- Define your information need
 - What sort of information are you looking for?
 - Is it for specific information? - from a data book, encyclopaedia, dictionary or textbook
 - Is it general information within a subject area?
 - Does the search require more thought and information?
 - Who is going to use the information?
 - Is it for a clinician, researcher, student or a member of the public?



Choose your search terms

- What are the key phrases and/or unique words that might appear in a website or article?
- Are there synonyms, alternate spellings, plurals or capitals that should be considered?
- What broader topic is the search part of or related to?



Decide which sources to use

- What sources are appropriate?
- This can range from organizations' websites and news articles to subject gateways and databases, journals, reference resources, e-books or reports and grey literature.



Review and revise your search

- Be prepared to review and revise your search scope and strategy – by using other sources of information or other search terms or different combinations of terms or by using a different type of search
- Try new sources of information: PubMed vs. AJOL vs. Google Scholar vs CiNAHL etc
- **Check the references of the journal articles you retrieved for even more relevant articles**

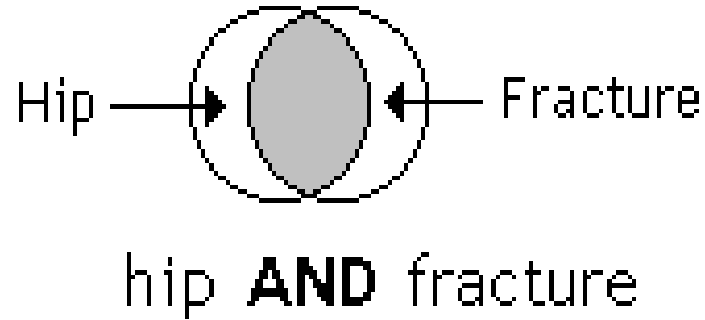
Boolean Operators

- Allow you to focus your search by linking search terms and defining the relationship between them.
- Some operators take precedence over others when searching a database.
- Not functional when they are at the beginning or end of a search expression.

Boolean Operators

- These are connecting words used in text searches that allow the search engine to include or exclude terms.
- They are three
 - i. **AND**
 - ii. **OR**
 - iii. **NOT**
- Inserted in a search box.
- Must be in UPPERCASE when used.

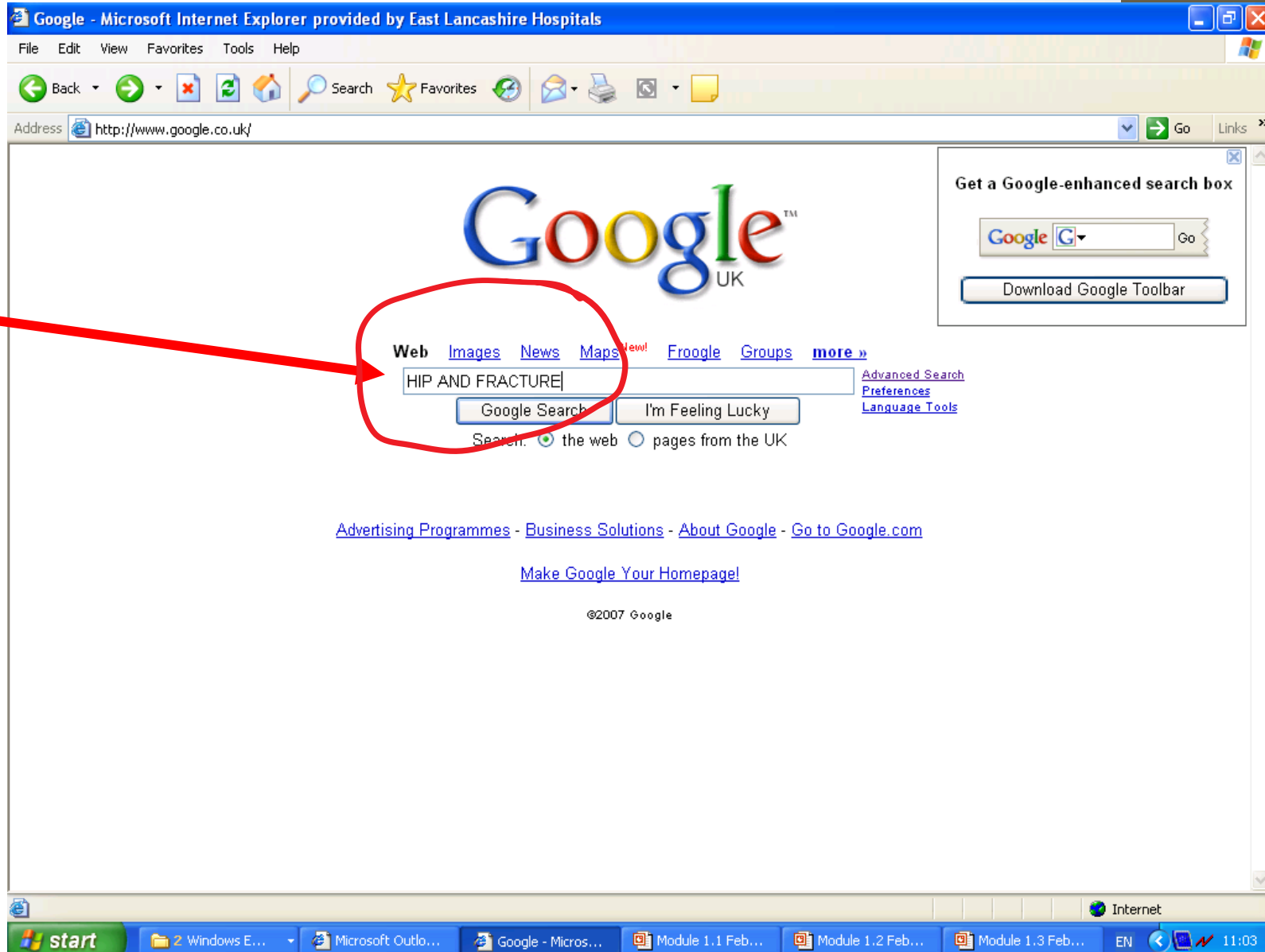
AND Operator



- The **AND** operator is used to combine two or more search terms and narrow a search
- Only documents containing all the search items will be retrieved
- In the example above, only items in the shaded area will be retrieved
- It is the default search method for most search engines

Boolean AND example

Hip AND fracture
has been entered
into the search box



Boolean example AND results

The screenshot shows a Microsoft Internet Explorer browser window with the title "HIP AND FRACTURE - Google Search - Microsoft Internet Explorer provided by East Lancashire Hospitals". The address bar contains the URL: <http://www.google.co.uk/search?hl=en&q=HIP+AND+FRACTURE&btnG=Google+Search&meta=>. The search bar contains the text "HIP AND FRACTURE". The search results are displayed under the "Web" tab. A red box highlights the search results summary: "Results 1 - 10 of about 1,280,000 for HIP AND FRACTURE. (0.14 seconds)". Below this, several search results are listed, including "Broken Hip - Hip Fracture", "Hip fracture - Wikipedia, the free encyclopedia", "Hip Fracture", and "Hip fracture - MayoClinic.com".

Web Images News Maps^{New!} Froogle Groups more »

Google HIP AND FRACTURE Search Advanced Search Preferences

Search: the web pages from the UK

The "AND" operator is unnecessary -- we include all search terms by default. [details]

Web Results 1 - 10 of about 1,280,000 for [HIP AND FRACTURE](#). (0.14 seconds)

Tip: Save time by hitting the return key instead of clicking on "search"

[Broken Hip - Hip Fracture](#)
A **hip fracture**, also called a broken **hip**, is an unfortunate, but common injury. **Hip** fractures most often occur in elderly patients and are the result of ...
orthopedics.about.com/cs/hipsurgery/a/brokenhip.htm - 27k - [Cached](#) - [Similar pages](#)

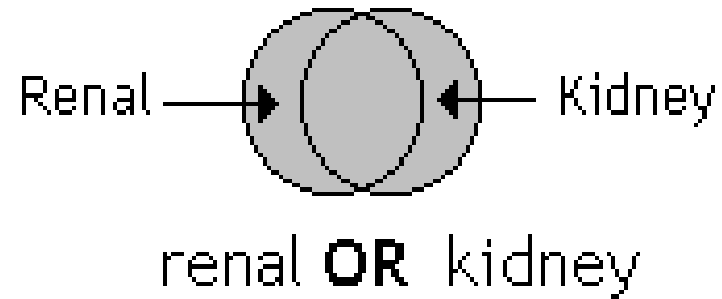
[Hip fracture - Wikipedia, the free encyclopedia](#)
The term "**hip fracture**" is commonly used to refer to four different **fracture** patterns and is often due to osteoporosis; in the vast majority of cases, ...
en.wikipedia.org/wiki/Hip_fracture - 30k - [Cached](#) - [Similar pages](#)

[Hip Fracture](#)
A **hip fracture** is a break near the top of your thighbone (femur) where it angles into your **hip** socket. When you break your **hip**, it usually hurts too much to ...
orthoinfo.aaos.org/fact/thr_report.cfm?Thread_ID=229 - 10k - [Cached](#) - [Similar pages](#)

[Hip fracture - MayoClinic.com](#)
A **hip fracture** is a serious injury, but many people make a good recovery.
www.mayoclinic.com/health/hip-fracture/DS00185 - 26k - [Cached](#) - [Similar pages](#)

[Guideline No. 56 Prevention and Management of Hip Fracture in ...](#)

OR Operator



- The **OR** operator retrieves document containing one or other search terms. Will broaden a search
- Any documents containing any of the search items will be retrieved
- In the example above, all items in the shaded area will be retrieved
- It is most useful when you want to include all versions of the same word (synonyms): Renal/kidney, paediatric/children, cancer/neoplasm

Renal

RENAL OR KIDNEY - Google Search - Microsoft Internet Explorer provided by East Lancashire Hospitals

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites

Address <http://www.google.co.uk/search?hl=en&q=RENAL+OR+KIDNEY&btnG=Search&meta=> Go Links

Google [Web](#) [Images](#) [News](#) [Maps](#) [Froogle](#) [Groups](#) [more »](#)

RENAL OR KIDNEY Search [Advanced Search](#) [Preferences](#)

Search: the web pages from the UK

Web Results 1 - 10 of about 74,700,000 for [RENAL OR KIDNEY](#). (0.11 seconds)

Tip: Save time by hitting the return key instead of clicking on "search"

[The Renal Association](#)
The **Renal** Association is the professional association of nephrologists ... National **Kidney** eLibrary live. The future of **Renal** Medicine - working party ...
www.renal.org/ - 13k - [Cached](#) - [Similar pages](#)

[National Kidney Foundation](#)
Information for organ donors and recipients, for patients and professionals, meetings and events and support. An AZ guide for **kidney** disease and related ...
www.kidney.org/ - 19k - 9 Apr 2007 - [Cached](#) - [Similar pages](#)

[Kidney - Wikipedia, the free encyclopedia](#)
The outer portion of the **kidney** is called the **renal** cortex, which sits directly beneath the **kidney's** loose connective tissue/fibrous capsule. ...
en.wikipedia.org/wiki/Kidney - 74k - 9 Apr 2007 - [Cached](#) - [Similar pages](#)

[Renal failure - Wikipedia, the free encyclopedia](#)
Renal failure or **kidney** failure is the condition in which the kidneys fail to function properly. Physiologically, **renal** failure is described as a decrease ...
en.wikipedia.org/wiki/Renal_failure - 30k - [Cached](#) - [Similar pages](#)

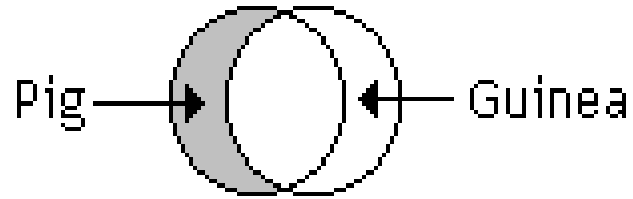
[The Kidney](#)
In maintaining the pH of the blood within its normal limits of 7.3–7.4, the **kidney** can produce a urine with a pH as low as 4.5 or as high as 8.5. ...
users.rcn.com/jkimball.ma.ultranet/BiologyPages/K/Kidney.html - 17k - [Cached](#) - [Similar pages](#)

Sponsored Links
[Signs of Kidney Disease](#)
Signs & symptoms of **kidney**-related diseases and conditions.
[Healthline.com](#)

start 2 Windows E... Microsoft Outlo... RENAL OR KID... Module 1.1 Feb... Module 1.2 Feb... Module 1.3 Feb... EN 11:09

NOT Operator

(in one term or the other - will narrow a search)



pig **NOT** guinea

- In one term or the other - will narrow a search
- In the example above, pig **NOT** guinea eliminates items containing guinea. So, item containing either guinea or guinea pig will be eliminated.



Phrase Searching

- Some databases and search engines allow searching of a phrase by enclosing it in **single or double quotes** (PubMed uses double quotes).
- Useful for searching for phrases.
- Example
 - Using the search term spinal anaesthesia will retrieve items containing spinal and anaesthesia anywhere in the article
 - Using “spinal anaesthesia” (with the quotes) will retrieve only articles containing the exact phrase.

Advanced Searching Techniques - Tips

- Truncation or Wild Cards
 - * or \$ is inserted to find all alternative endings of a word
 - child* for **child** OR **childs** OR **children**
 - staph\$ will search for information on **staphylococcus** OR **staphylococcal** OR **staphylococci**
 - ? can be used to substitute for a single letter anywhere in a word for alternate spellings
 - wom?n would search for “**woman**” and “**women**”

Why Use Google Scholar?

- Google Scholar provides a convenient method for searching scholarly literature.
- From just one website, you can search various disciplines and types of sources: articles, theses, books, abstracts etc.
- Google Scholar helps you find relevant research quickly, from a wide variety of academic sources available online.

About Google Scholar



Stand on the shoulders of giants

Launched: November 20, 2004

Owner: Google

Available at: scholar.google.com

Goal: Allowing easier and more accurate access to scientific knowledge

Section 1:

How to Search?

Google Scholar

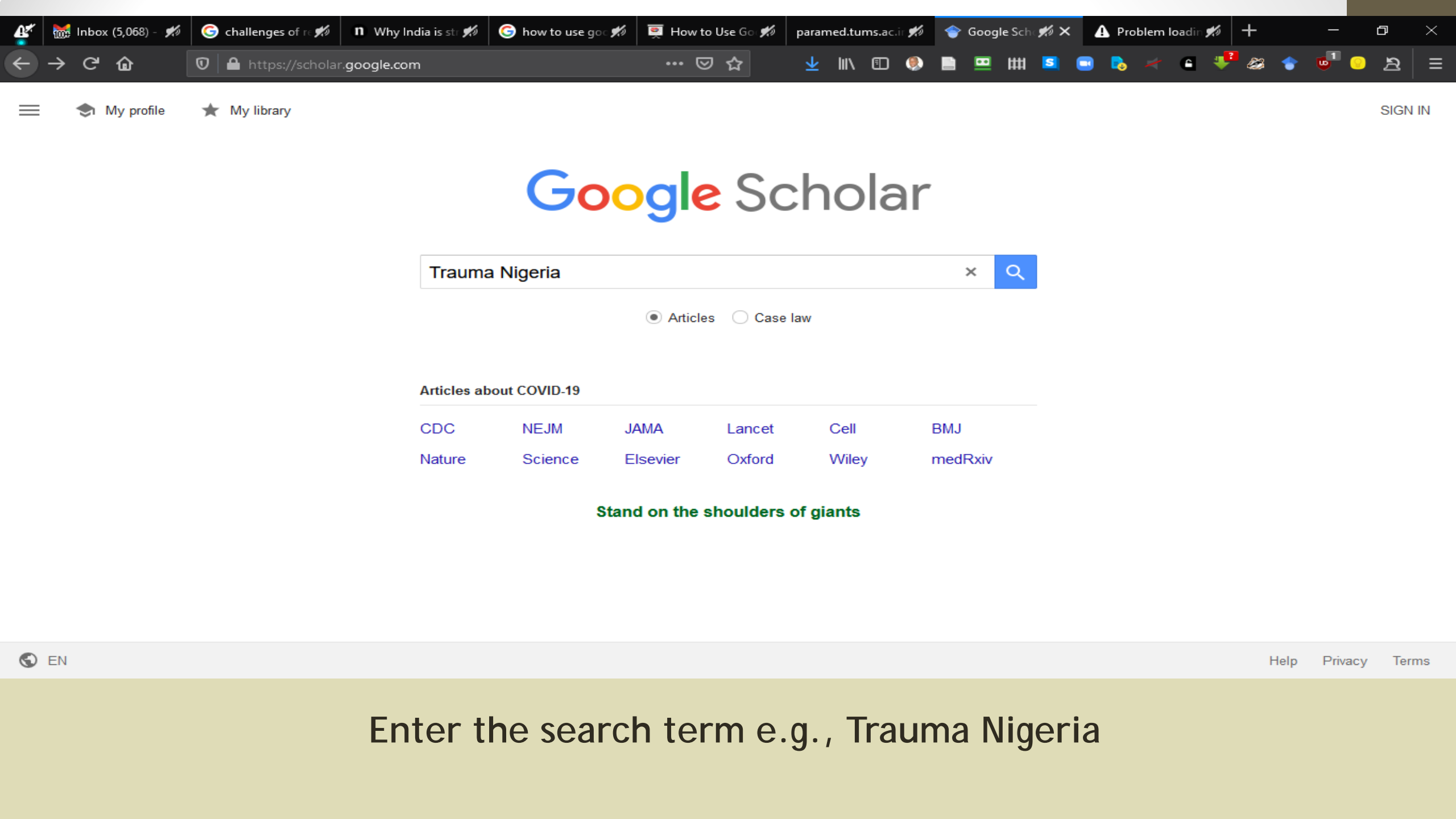
Articles Case law

Articles about COVID-19

- CDC
- NEJM
- JAMA
- Lancet
- Cell
- BMJ
- Nature
- Science
- Elsevier
- Oxford
- Wiley
- medRxiv

Stand on the shoulders of giants

To begin, proceed to scholar.google.com



Google Scholar

Trauma Nigeria

x



Articles Case law

Articles about COVID-19

CDC NEJM JAMA Lancet Cell BMJ
Nature Science Elsevier Oxford Wiley medRxiv

Stand on the shoulders of giants

Enter the search term e.g., Trauma Nigeria

Google Scholar

Trauma Nigeria

Search results

Articles

About 129,000 results (0.08 sec)

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Since 2021

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Sort by date

include patents

include citations

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Perform advanced search here

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[HTML] nih.gov

[PDF] researchgate.net

Clinical spectrum of trauma at a university hospital in Nigeria
BA Solagberu, AO Adekanye, CPK Ofoegbu... - ... Journal of Trauma, 2002 - Springer
Abstract Background and Objectives: Data on **trauma** in **Nigeria** requires updating just as **trauma** care needs coordination and organization. This study was done to examine the clinical spectrum of **trauma** and to propose measures for organization of **trauma** care ...
☆ 99 Cited by 58 Related articles All 6 versions

Journeying Through Hell: Wole Soyinka, Trauma, and Postcolonial Nigeria
A Whitehead - Studies in the Novel, 2008 - JSTOR
In The Harmony of Illusions, Allan Young questioned whether the category of **trauma**, which first emerged during the nineteenth century, could be referred back through historical time and identified in, for example, Pepys's diary, Shakespeare's plays, or the epic of Gilgamesh ...
☆ 99 Cited by 43 Related articles All 4 versions

[HTML] **Cranial computed tomography scan findings in head trauma patients in Enugu, Nigeria**
SC Ohaegbulam, WC Mezue, CA Ndubuisi... - Surgical neurology ..., 2011 - ncbi.nlm.nih.gov
Background: The choice of radiological investigations in head **trauma** in Africa is influenced by factors such as cost. Some patients who require computed tomography (CT) scan elsewhere are either managed blindly or do not present for it at the appropriate time. This ...
☆ 99 Cited by 45 Related articles All 5 versions

The psychological trauma inflicted by Boko Haram insurgency in the North Eastern Nigeria
L Amusan. UP Eioke - Agression and violent behavior. 2017 - Elsevier

The results are displayed just like a normal Google search

Divergent views emerge on the rationale behind Boko Haram Islamic insurgency in Nigeria. Some see it as an attempt to Islamise the secular Nigerian state, while some believe it to be an attempt to change the status quo in order to concretise the perceived dominance of the ...

☆ 99 Cited by 25 Related articles All 7 versions

Related searches

- trauma nigeria utilization head
- blunt trauma nigeria
- trauma nigeria ct
- maxillofacial trauma nigeria
- cranial trauma nigeria
- trauma in nigeria multicentre study
- ocular trauma nigeria
- psychological trauma north eastern nigeria

✔ [Maxillofacial trauma due to road traffic accidents in Benin City, Nigeria: a prospective study](#)

ON Obuekwe, MA Ojo, O Akpata, M Etetafia - *Annals of African Medicine*, 2003 - [ajol.info](#)

Background: The incidence and causes of road traffic accidents (RTAs) vary with geographical location. The economic and social costs of RTAs are enormous. The knowledge of aetiologic factors and associated injury patterns may be important in planning ...

☆ 99 Cited by 46 Related articles All 6 versions

[HTML] ✔ [...-trauma, psychosocial adjustment, and symptomatic post-traumatic stress disorder among internally displaced persons in Kaduna, Northwestern Nigeria](#)

TL Sheikh, A Mohammed, S Agunbiade, J Ike... - *Frontiers in ...*, 2014 - [frontiersin.org](#)

Background In April 2011, a post election violent conflict in Northern Nigeria led to resettlement of internally displaced persons (IDPs) in a camp in Kaduna, the worst affected state. We set out to determine prevalence and socio-demographic factors associated with ...

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[PDF] [ajol.info](#)

[HTML] [frontiersin.org](#)

Annals of African Medicine
Vol. 2, No. 2; 2003: 58 - 63

MAXILLOFACIAL TRAUMA DUE TO ROAD TRAFFIC ACCIDENTS IN BENIN CITY, NIGERIA: A PROSPECTIVE STUDY

O.N. Obuekwe, M. A. Ojo, O. Akpata and M. Etetafia

Department of Oral and Maxillofacial Surgery, University of Benin Teaching Hospital, Benin City, Nigeria
Reprint requests to: Dr. O. N. Obuekwe, School of Dentistry, University of Benin, P.M.B. 1154, Benin City, Edo State, Nigeria

Abstract

Background: The incidence and causes of road traffic accidents (RTAs) vary with geographical location. The economic and social costs of RTAs are enormous. The knowledge of aetiologic factors and associated injury patterns may be important in planning for prevention and treatment. The aim of this study was to document the aetiological factors and the frequency of maxillofacial injuries due to RTAs.

Methods: Over a six-month period, 312 patients with facial trauma due to RTAs were prospectively studied. The demographic parameters, the cause of the RTA, the vehicle type, the use of seat belts, helmets, and other safety devices were recorded. Distribution of maxillofacial bone and soft tissue injuries by vehicle type as well as associated injuries were documented.

Results: The minibus was the vehicle type most often involved (36.2%) and tyre blowout (21.2%) was identified as the most common contributory factor. Males 117 (37.5%) in the 21 - 30 year- age range were most

Clicking on the PDF link here

Gives you the PDF of the full article

Google Scholar search results for "Trauma Nigeria". The search bar shows "Trauma Nigeria" and the results page indicates "About 129,000 results (0.08 sec)".

On the left sidebar, there are filters for "Any time" (with sub-options: Since 2021, Since 2020, Since 2017, Custom range...), "Sort by relevance" (selected), "Sort by date", "include patents" (unchecked), "include citations" (checked), and "Create alert" (checked).

The search results list several articles:

- Clinical spectrum of trauma at a university hospital in Nigeria** (Journal of Trauma, 2002 - Springer). The "Cited by 58" link is circled in red. A red box highlights the text: "If you are not satisfied by a particular article, click 'Cited by' to see newer articles that referenced it. These newer articles are often more specific." A red line connects the circled "Cited by 58" to the red box.
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- Cranial computed tomography scan findings in head trauma patients in Enugu, Nigeria** (Surgical neurology, 2011 - ncbi.nlm.nih.gov). Cited by 45.
- The psychological trauma inflicted by Boko Haram insurgency in the North Eastern Nigeria** (Adgression and violent behavior, 2017 - Elsevier). Cited by 45.

Use "Cited by" to fine-tune your results!

- Any time
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Click "Related articles" to see closely related work

Use "Related articles" to fine-tune your results!

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✓ The psychological **trauma** inflicted by Boko Haram insurgency in the North Eastern **Nigeria**

[PDF] researchgate.net

[L Amusan](#), [UP Ejoke](#) - Aggression and violent behavior, 2017 - Elsevier

Divergent views emerge on the rationale behind Boko Haram Islamic insurgency in **Nigeria**. Some see it as an attempt to Islamise the secular Nigerian state, while some believe it to be an attempt to change the status quo in order to concretise the perceived dominance of the ...

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blunt trauma nigeria

trauma nigeria **ct**

maxillofacial trauma nigeria

cranial trauma nigeria

trauma in nigeria **multicentre study**

ocular trauma nigeria

psychological trauma **north eastern** nigeria

Related searches are links to Google Scholar searches that are similar to your current search. Go through them to see if any of them is better suited to your search

✓ **Maxillofacial trauma** due to road traffic accidents in Benin City, **Nigeria**: a prospective study

[PDF] ajol.info

ON Obuekwe, MA Ojo, O Akpata, [M Etetafia](#) - Annals of African Medicine, 2003 - ajol.info

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[HTML] ✓ ... **-trauma**, psychosocial adjustment, and symptomatic post-traumatic stress disorder among internally displaced persons in Kaduna, Northwestern **Nigeria**

[HTML] frontiersin.org

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- According to Google Scholar, a **Google Scholar Profile** is a very simple way of collating your publications (and citations to them) so that others can find your work and often find an accessible copy that they can read .

Steps to building your Google Scholar Profile


<https://libguides.reading.ac.uk/boost/google-scholar-profile>

Setting up a Google Scholar Profile

Setting up a profile only takes a few minutes.

1. You'll need a Google account before you can begin - use your existing account or create one.
2. Go to [Google Scholar](#) and click on 'My citations'
3. Follow the instructions, adding your affiliation information and your University email address.
(Remember to validate the address - you'll receive an email asking you to do this).
4. Add keywords relating to your research and add a link to your University home page (if you have one)
5. Add a photo if you want to personalise your profile.
6. Click on 'Next step' to create your basic profile.
7. Add your publications - Google will probably suggest the correct ones and ask you to confirm that they are yours. Be careful if you have a common name as publications by others may be included in the suggestions. There may also be some types of articles that you don't want to include (Google indexes lots of content such as newsletters, book reviews etc, not just scholarly articles).
8. To find missing publications, you can search using article titles or DOIs. You can also add missing publications manually if required.
9. Make your profile public - this means that others will be able to find it and discover your body of work.

Once you've set up your profile, Google Scholar will update it with publications that it thinks are yours. You can choose between automatic updating and manual updating during the set-up process.

-  [Creating a Google Scholar Account](#)
This handout takes you through the steps needed to create a Google Scholar account

What does a Google Scholar Profile look like?

Here is the Google Scholar Profile of Albert Einstein

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What does a Google Scholar Profile look like?



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Title	1-20	Cited by	Year
Can quantum-mechanical description of physical reality be considered complete?	A Einstein, B Podolsky, N Rosen Physical review 47 (10), 777	15821	1935
Über einen die Erzeugung und Verwandlung des Lichtes betreffenden heuristischen Gesichtspunkt	A Einstein Ann. Phys. 17, 132-148	9553 *	1905
On the movement of small particles suspended in stationary liquids required by the molecular-kinetic theory of heat	A Einstein Annalen der Physik 17, 549-560	6209 *	1905
Sitzungsber. K.	A Einstein Preuss. Akad. Wiss., Phys. Math. 90 3, 18	5494 *	1925
Zur Elektrodynamik bewegter Körper	A Einstein	4830 *	
Investigations on the Theory of the Brownian Movement	A Einstein Dover publications	4359	1956

Citation indices	All	Since 2012
Citations	109735	35083
h-index	109	66
i10-index	371	218



This is an example of a Google Scholar profile.

The list of publications can be sorted in date order or by the number of times the output has been cited by clicking on the headings. By clicking on the number of citations, you can find out which publications have cited yours. The publications can be filtered by date and relevance.

You can see some examples of Google Scholar profiles from other Reading University authors here: https://scholar.google.co.uk/citations?view_op=view_org&hl=en&org=2560579919168236123#

THANK YOU

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