# Finding Public Health Information:

WHO Library
PubMed
Cochrane Library

# WHO regional offices

- WHO Regional Office for Africa
  - <u>http://www.afro.who.int</u> (Brazzaville, Congo)
- WHO Regional Office for the Americas
  - http://www.paho.org (Washington, DC, USA)
- WHO Regional Office for the Eastern Mediterranean
  - <u>http://www.emro.who.int</u> (Cairo, Egypt)
- WHO Regional Office for Europe
  - <u>http://www.euro.who.int</u> (Copenhagen, Denmark)
- WHO Regional Office for South-East Asia
  - <u>http://www.searo.who.int</u> (New Delhi, India)
- WHO Regional Office for the Western Pacific
  - <a href="http://www.wpro.who.int">http://www.wpro.who.int</a> (Manila, Philippines).





English Français Deutsch Русский

Search

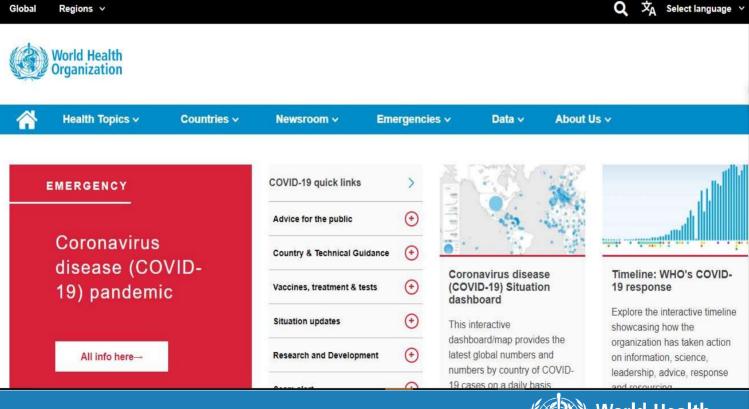
Health topics Home Countries **Publications** Data and evidence Media centre About us Health topics > Health systems > Public health services Public health services Public health services News Public Health is defined as "the art and science of preventing disease, prolonging life Events and promoting health through the organized efforts of society" (Acheson, 1988; Policy WHO). Activities to strengthen public health capacities and service aim to provide conditions under which people can maintain to be healthy, improve their health and Country work wellbeing, or prevent the deterioration of their health. Public health focuses on the Publications entire spectrum of health and wellbeing, not only the eradication of particular Partners diseases. Many activities are targeted at populations such as health campaigns. Contact us Public health services also include the provision of personal services, to individual persons such as vaccinations, behavioural counselling, or health advice. Read more News Newsletter Top story Now available: Report on meeting Subscribe to our to develop an agenda for action Health systems on public health services newsletter for latest 24-05-2017 news, events and Strengthening women's publications leadership in public health in Ukraine 23-05-2017 **Publications** Expert meeting lays Assessment of public health foundation for scaled-up services in Kyrgyzstan concludes Self-assessment tool that optimization and action on strengthening for the evaluation of reinvestment are desirable public health services in 22-05-2017 essential public Europe health operations in More news the WHO European Countries across the WHO Region European Region need strong, More publications comprehensive public health Public health operations



services. This was recognized in

### Information on WHO's website

http://www.who.int















**Health Topics v** 

Countries v

Newsroom v

## Ageing and health

#### Contact us

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Unit Head

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Telephone: +41 22 791 3250 Mobile phone: +41 79 475 54 73

ageing@who.int



# World Health Assembly



World Health Assembly

Seventy-third World Health Assembly

Media resources - May 2020

The resumed WHA73 will take place virtually from 9-14 November 2020, in light of the ongoing COVID-19 pandemic. You will be able follow proceedings on the webcast below.

The resumed session follows the reduced (*de minimis*) meeting of 18-19 May 2020. All documents can be found on the main documents page for the WHA73.

Watch live WHA73 sessions

#### DATES:

18-19 May 2020 (de minimis)

9-14 November 2020 (resumed)







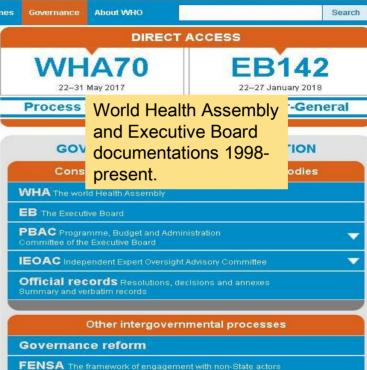
English Français Русский Español



The World Health Assembly is the supreme decision-making body for WHO. It generally meets in Geneva in May each year, and is attended by delegations from all 194 Member States. Its main function is to determine the policies of the Organization. The Health Assembly appoints the Director-General, supervises the financial policies of the Organization, and reviews and approves the Proposed programme budget. It similarly considers reports of the Executive Board, which it instructs in regard to matters upon which further action, study, investigation or report may be required.



The Executive Board is composed of 34 members technically qualified in the field of health. Members are elected for three-year terms. The main Board meeting, at which the agenda for the forthcoming Health Assembly is agreed upon and resolutions for forwarding to the Health Assembly are adopted is held in January with a second



CEWG - RDMCF Follow-up of the report of the Consultative Expert







Health topics >

Countries v

News ~

Emergencies ~

About Us 🕶

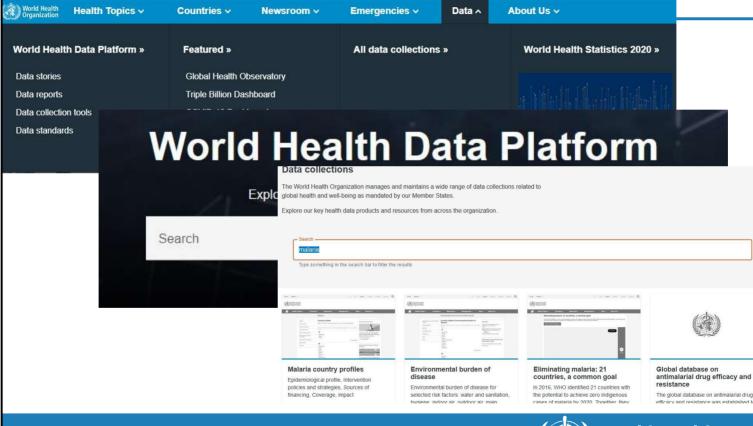
# Previous meetings

Documentation of WHO for Executive Board sessions and Health Assemblies



World Health Assembly						Executive Board									
>	WHA71	>	WHA70	>	WHA69	>	WHA68	>	EB145	>	EB144	>	EB143	>	EB142
>	WHA67	>	WHA66	>	WHA65	>	WHA64	>	EBSS4	рr	esent.	>	EB140	>	EB139
>	WHA63	>	WHA62	>	WHA61	>	WHA60	>	EB138	>	EB137	>	EB136	>	EBSS3
>	SSA1	>	WHA59	>	WHA58	>	WHA57	>	EB135	>	EB134	>	EB133	>	EB132
>	WHA56	>	WHA55	>	WHA54	>	WHA53	>	EB131	>	EB130	>	EBSS2	>	EB129
>	WHA52	>	WHA51					>	EB128	>	EB127	>	EB126	>	EB125
								>	EB124	>	EB123	>	EB122	>	EB121
								>	EB120	>	EB119	>	EB118	>	EBSS1
								>	EB117	>	EB116	>	EB115	>	EB114
								>	EB113	>	EB112	>	EB111	>	EB110
								>	EB109	>	EB108	>	EB107	>	EB106
								>	EB105	>	EB104	>	EB103	>	EB102

### www.who.int/data





# Bulletin of the WHO From 1948 to present on PMC

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## Factors

In Aedes aegypti, and fertilization taklife, egg-laying is no & Lavoipierre, 1960) oviposited within fiv Newala-strain fema

#### Zika Light intensity

A freely breeding colony of a Southern Nigerian strain of A. aegypti was allowed to oviposit in a series of containers placed in a light gradient ranging from 55 foot candles (592 lx) to almost total darkness. Approximately 60% of the eggs were laid in the darkest dish, while there was little variation in the numbers laid at higher light intensities (Surtees, 1961b). A number of studies have demonstrated that females tend to move to dark surfaces and those with low reflectivity as opposed to brighter and more reflective ones (Hecht & Hermandez-Corzo, 1963; Beckel, 1955; O'Gower, 1957). Nevertheless, strain differences do occur. In two localities in Southern Nigeria, the intensity of breeding inside houses and in lighter situations outside varied considerably (Surtees, 1960a), while in the Zika Forest region of East Africa A. aegypti tends to breed in lighter grassland as opposed to the darker forest. As a result of

### of Aedes aegypti

ne light fluctuated normally, A. aegypti lar cycle of egg-laying with a peak of late in the afternoon (Haddow & This cyclical pattern of behaviour is ally a short exposure to light (Gillett, Idow, 1959), and experiments with a rian strain showed that a single expo-

	C d C C1 d				
2010 Jul 1	2010 Aug 1	2018 Sep 1			
v.96(10): 665-728	v.96(11): 729-796	v.96(12): 797-864			
2018 Oct 1	2018 Nov 1	2018 Dec 1			



### Bulletin of the WHO

#### From 1948 to present on PMC

https://www.ncbi.nlm.nih.gov/pmc/journals/522/



See also: Bulletin of the World Health Organization Supplement

		e World Health Organization 1 to 97; 1948 to 2019	
Vol. 97	v.97(1): 1–72	v.97(2): 73–168	-
2019	2019 Jan 1	2019 Feb 1	
	v.96(1): 1–76	v.96(2): 77-144	v.96(3): 145–224
	2018 Jan 1	2018 Feb 1	2018 Mar 1
Vol. 96	v.96(4): 225–296	v.96(5): 297–368	v.96(6): 369–440
	2018 Apr 1	2018 May 1	2018 Jun 1
2018	v.96(7): 441–512	v.96(8): 513–588	v.96(9): 589-664
	2018 Jul 1	2018 Aug 1	2018 Sep 1
	v.96(10): 665–728	v.96(11): 729–796	v.96(12): 797–864
	2018 Oct 1	2018 Nov 1	2018 Dec 1

# Getting published in the Bulletin Open Access with no Author fees



Volume 87, Number 10, October 2009, 733-804 Table of contents

#### **Armenians struggle for health care and medicines**

Private financing constitutes about half of total health expenditures in Armenia and most of that comes directly out of the consumer's pocket. In the current economic downturn, fewer and fewer people can afford it. Monika Mkhitaryan and Onnik Krikorian report.

In the Communist era, Armenia enjoyed one of the best health-care systems of all the Soviet republics, delivering comprehensive care on a centralized basis. Since then the system has fragmented along partially free-market lines and is today failing the majority of the people it is supposed to serve. Skewed towards expensive hospital in-

that people like Naira Thovmasian, a 34-year-old woman living in Yerevan, who since 1999 has needed dialysis to compensate for her failing kidneys, cannot always get the medicines they need. "By law, the hospital has to provide the medicines for me, but what happens if they don't have them?" Thovmasian asks.

When the bospital can't provide

The stark choice Thoymasian faces every month – between food or medicine – is familiar to many Armenians, and becoming more so in the current global economic downturn. According to the Central Bank of Armenia the economy will shrink by 5.8% in 2009, after several years of double-digit GDP growth driven by construction. Accord-



# WHO Library

#### http://www.who.int/library/





The WHO Library is the world's leading library on public health. It provides access to knowledge from WHO as well as to other sources of scientific literature produced around the world. WHO Library resources and expertise also provide scientific evidence and knowledge to low-and middle- income countries through a set of low-cost/high-use initiatives.

Networks and partnerships are an essential component in ensuring that our global initiatives reach a world-wide audience. Using a suite of collaborative tools, librarians and information specialists have a close understanding of country realities and needs. This helps keep focus on adequate and cost-effective information and knowledge sharing solutions.

#### Practical information

(Currently closed)

Visitors need to make an appointment to use the library.

Monday to Friday:

- 9:00-12:00 (local time)
- 14:00-16:00 (local time)

#### Contact us

World Health Organization Avenue Appia 20 1211 Geneva 27 Switzerland

Tel.: +41(0)22 791 2062 Fax: +41(0)22 791 4150

library@who.int



# WHO AFRO Library

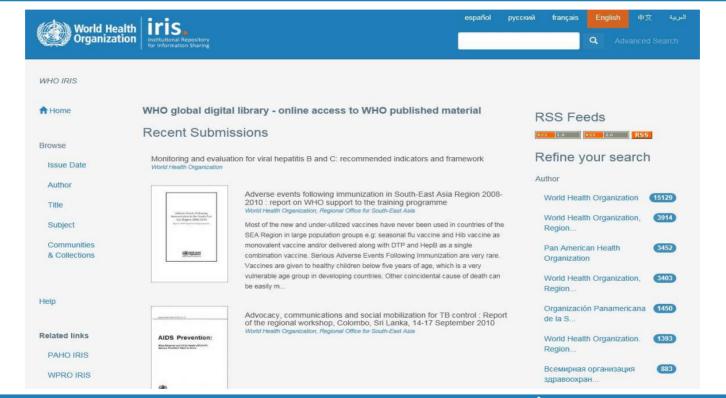
http://www.afro.who.int/en/afro-library-services.html





## Institutional Repository for Information Sharing (IRIS)

http://apps.who.int/iris/



# **IRIS**

#### http://apps.who.int/iris/

- WHO collective memory, provides over 210,000 bibliographic records
  - WHO publications 1948-
  - articles in WHO periodicals
  - articles in outside periodicals on WHO work
  - technical documents (unrestricted) 1986-
  - governing body documents
  - historical materials.



# **IRIS**

#### http://apps.who.int/iris/

- WHO document dissemination, provides over 190,000 full-text links to:
  - technical documents (unrestricted), headquarters and regional offices, 1986–
  - articles in the Bulletin of the World Health Organization, 1947–
  - Weekly Epidemiological Record, 1926–
  - press materials
  - WHO out-of-print publications (in process)
  - historical resources.

http://www.who.int/library



#### IRIS – Full text WHO Publications (HQ, Regions, Countries)

http://apps.who.int/IRIS





# Consumer drive Scanning – Email to

## repository@who.int

(For WHO copyright materials)

Issue

Date Title: AIDS in Africa: a manual for physicians / Peter Piot ... [et al.]

Author Other Le SIDA en Afrique : manuel du practicien

Titles:

Title Authors: Piot. Peter

Subject Files in This Item:

Communities & Collections

No electronic version is available yet.

Digitisation requests can be sent to repository@who.int.

World Health Organization

Help

Issue Date: 1992

Publisher: Geneva: World Health Organization

Related links

Language: English

French

Portuguese

PAHO IRIS

Abstract: A comprehensive guide to the diagnosis and clinical management of HIV

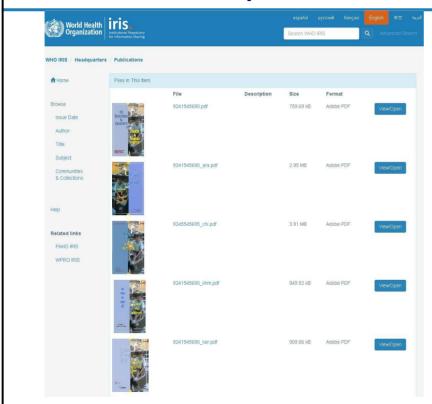


# Interface, searching options and results in the 6 Official Languages

Document no	المؤلف(المؤلفون)	العنوان	تاريخ الإصدار	استعراض
WHA64.15	64 ، فيعانة الصنعة العامية ،	الكوليرا: لَهِ قَالِمَكَافَحَةُ وَالْوَقَائِةُ	2011	Weeks of the second sec
EB128.R7	العجلس التنفيذي, 128	الكوليرا؛ آلية للمكافحة والوقاية	2011	Name (Inc.)



# Over 75 «other» languages represented in IRIS







# **IRIS**

### http://www.who.int/iris

- Access to WHO documents in full text
- Other languages (full text)
- Persistent / Permanent URLs
- Easier to download versions (covers removed)
- Expertise in WHO staff
- Most complete listing of WHO documents and publications
- Recommend titles to be scanned.



## **PubMed**

## http://www.pubmed.gov





## **MEDLINE** database

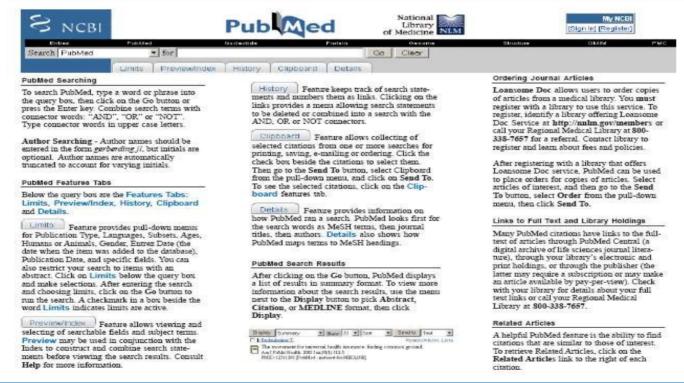
http://pubmed.gov

- National Library of Medicine Over 32 million references.
- A bibliographic database containing more than
- Indexes over 5500 biomedical journals; coverage is worldwide, but (86%) of the records are from English-language resources.
- Covers medicine, nursing, dentistry, veterinary medicine, healthcare systems and the pre-clinical sciences, as well as microbiology, delivery of health care, nutrition, pharmacology and environmental health.
- New material is added and the database is updated daily.



# PubMed – basic searching

## https://www.nlm.nih.gov/bsd/disted/pubmed.html





# Two types of searching

**Keyword** 

Subject heading\*

- what I call the Einstein Method.

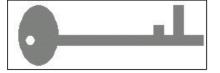
\*Subject headings = standardized phrases describing main ideas.



# Let us look up the word "dressing"







# Keyword searching

#### Simplest search to do

- 1. Type in word(s)
- 2. Click GO or hit Enter on keyboard.

dressing

Go

Computer searches for character strings (letters, numbers, punctuation) that match what you have entered.



# What is dressing?

## Oxford Reference Library

#### BY SUBJECT

Archaeology (18)

Art & Architecture (208)

Bilingual dictionaries (25)

Classical studies (39) Encyclopedias (11)

English Dictionaries and Thesauri

[+] History (274)

[+] Language reference (296)

[+] Law (16)

Linguistics (7)

[+] Literature (207)

Media studies (3)

[+] Medicine and health (171)

[+] Music (159)

Names studies (3)

[+] Performing arts (182)

Philosophy (34)

Quotations (12) Religion (55)

[+] Science and technology (108)

[+] Social sciences (299)

[+] Society and culture (265)



#### dressing

A Dictionary of Construction, Surveying and Civil Engineering

Current Version: 2013 and Technology

... Shaping and cutting materials to their finished dimensions....



#### dressing n. a

Reference type: Subject Reference

A Dictionary of Dentistry

Reference type: Subject Reference Current Version: 2010

.... A dressing may contain some form of medication; for example a zinc oxide eugenol dressing ...



#### dressing

Concise Medical Dictionary (8 ed.)

Reference type: Subject Reference Current Version: 2010

Quick reference

Quick reference

Quick reference

... n. material applied to a wound or diseased part of the body, with or without medication,...

Subject: Medicine and health

Subject: Medicine and health, Dentistry

Subject: Science and technology, Engineering

Length: 9 words

Length: 50 words

Lenath: 23 words



## What is MeSH?

https://www.ncbi.nlm.nih.gov/mesh

# Medical Subject Headings

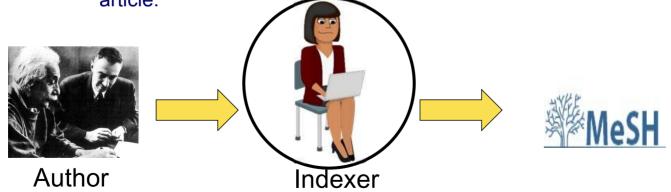
Standardized phrases describing topics specific to the health sciences.



# Why use subject headings?

- Humans apply subject headings. In doing so, they
  - Consider negating words like but, not, except so your results won't include citations in which your search terms are specifically excluded.

Weigh the relative importance of the search term to the whole article.



# The indexing process



#### Bulletin of the

a 4

Editors
H. H. Goldsmith
Eugene Rebinowitch
Assistant Editors
Alico Smith, Ruth Shills

Editorial Board
H. Davias, H. H. Goldsmith, Clyde
Hutchison, Jr., Eugene Rebino

In This leave

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Published matchly by the Atomic Scientists of Chicago, 1126 East 19th Street, Chicago 17. Finnes: Middays (1001). Supported by a great from the Emergency Committee of Atomic Scientists, Albart Hostels, Chairman; Heavid C. User, Visc-Chairman; heavid C. User, Visc-Chairman; between

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Albert Einstein

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It would be different if the problem were not one of things made in Man binnell, one has the attaint bonk. It would be different, for instance of an opinioni of behoods places were threatening the entire world. In set a case connectionism and output presents would be brought together and the would werk out an intelligent plan to centhal the places. After having well were on an intelligent plan to centhal the places. After having plan to the governments. These would having raise serious objections be extracted agreement upon the right way and means, they would admit their plan to the governments. These would having raise serious objections be extracted to the contraction of the contraction of the contraction of the extraction of the contraction of the contraction of the contraction of the extraction of the contraction of the contraction of the contraction of the extraction of the contraction of the contraction of the contraction of the extraction of the contraction of the contraction of the contraction of the contraction of the extraction of the contraction of the contraction of the contraction of the extraction of the contraction of the contraction of the contraction of the extraction of the contraction of the contraction of the contraction of the extraction of the contraction of the contraction of the contraction of the extraction of the contraction of the contraction of the contraction of the extraction of the contraction of the contraction of the contraction of the contraction of the extraction of the contraction of the contraction of the contraction of the extraction of the contraction of the contraction of the contraction of the extraction of the contraction of the contraction of the contraction of the extraction of the contraction of the contraction of the contraction of the extraction of the contraction of the contrac

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The situation in the second of the

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As long as centar between the two energy is limited to the official longed into a I can see little prospect of an intelligent agreement, since econolic tions of autional precision as well as the attempt to talk out of the while What one party aspects efficially in the talt resums above, as supported by other. Also behind all efficial negotiations stands—though volud—the thre of raised power. The efficial stands can have it so some suspected by a work of an informal nature has prepared to the control of the stands engertisation can get under very with a full precision of sources.

We extentists believe that what we and our follow-seen do or fall to within the naxt few years will determine the fact of our civilization. J we consider it our tank to help people realize all that is at stake, and work, not for appearences, but for understanding and ultimate agreem between peoples and nations.

It seems to me that the foreign journalists in this country, when the setowed their Award upon a scientist, must have been led by similar coiderations as those which I have expressed here. May they succeedoutributing to the general acceptance of that point of view.

In. Electric's retents were addressed to the moreters of the Foteign Press Association the United Mathema on Norember 11, 1917 is accepting the Association's aventh as the many of the Electroprocy Committee of Adonts' Spiritellists. The second waven the quant to committee of the Committee of Adonts' Spiritellists. The second test prices has committee.





□ 1: Bull At Sci. 1948 Jan;4(1):1.

#### A plea for international understanding.

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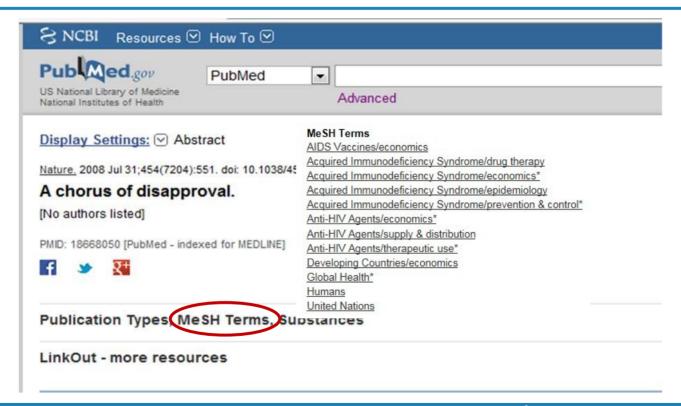
MeSH Terms:

Nuclear Energy\*

PMID: 1892076 [PubMed - indexed for MEDLINE]



## What is this article about?





# Articles that address the issues of prevention of AIDS in low-income countries?

**AND** 

#### Concept 1

Use OR to combine alternative terms and synonyms.

**AIDS** 

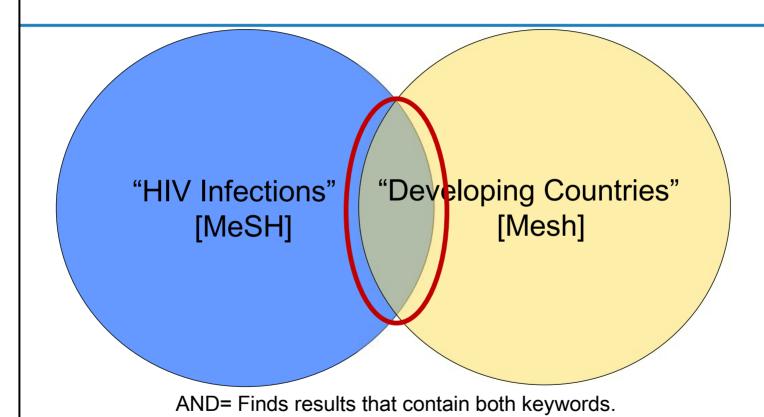
# Concept 2

Use OR to combine alternative terms and synonyms.

**Low Income Countries** 

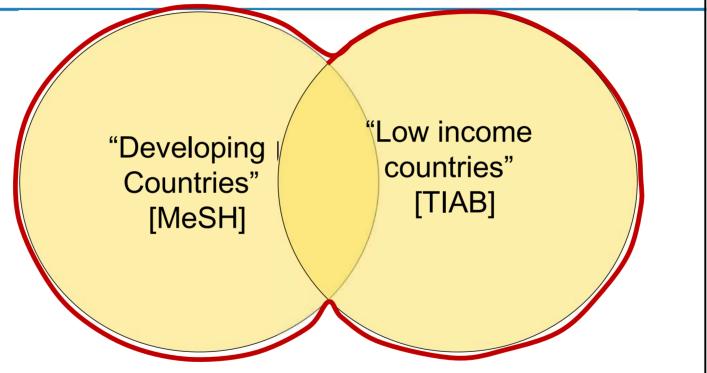


# **AND**





# OR



OR = Finds results that contain either keyword



# Articles addressing AIDS prevention in developing countries

AND

Concept 1

Use OR to combine alternative terms and synonyms

"HIV infections" [MeSH]

OR

HIV infection\*[TW]

OR

AIDS[TI]

Concept 2

Use OR to combine alternative terms and synonyms

"Developing countries" [MeSH]

OR

"Africa" [MeSH]

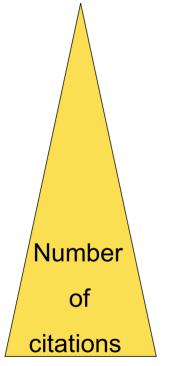
OR

"low income countries"[All Fields] OR "low income country" [All Fields]



# Quantity vs precision

#1 yields fewer results than #5



- 1. "HIV Infections/prevention and control" [Major].
- 2. "HIV infections/prevention and control" [MeSH].
- 3. "HIV infections" [MeSH] AND "prevention and control" [Subheading].
- 4. (HIV infection\* OR HIV infections [MeSH] ) AND (prevention OR control OR "prevention and control "[Subheading]).
- 5. (AIDS OR HIV OR HIV infections [MeSH] ) AND ((Prevent\* AND control\*) or ("prevention and control "[Subheading])).

# Precision vs quantity

#1 yields more relevant results than #5

Relevance to the question

- 1. "HIV Infections/prevention and control" [Major].
- 2. "HIV infections/prevention and control" [MeSH].
- 3. HIV infections [MeSH] AND "prevention and control "[Subheading].
- 4. (HIV infection\* OR HIV infections [MeSH] ) AND (prevention OR control OR "prevention and control "[Subheading]).
- (AIDS OR HIV OR HIV infections [MeSH]) AND ((Prevent\* AND control\*) or ("prevention and control "[Subheading])).



### Too much information?



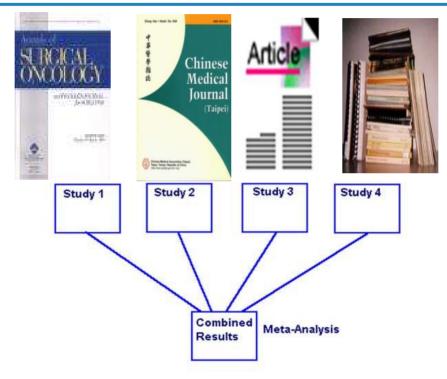




Non English Literature

Commercial studies

**Grey Literature** 





# The Cochrane Library

- The single most reliable source for evidence on the effects of health care.
- Brings together in one place research on the effectiveness of healthcare treatments and interventions.
- The gold standard in evidence-based medicine.
- Provides access to the most objective information on the latest in health interventions.









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- Central Register of Controlled Trials (CENTRAL)
- **Cochrane Clinical Answers**
- Special Collections
- Search content hosted by Epistemonikos
- **Cochrane Review Groups**



### The Cochrane Collaboration

http://www.cochrane.org

- Structure established as an international organisation in 1993, registered as a charity in the United Kingdom.
- Aim to help people make well-informed decisions about health care.
- How by preparing and promoting access to systematic reviews of the effects of healthcare interventions.
- Publishing Output The Cochrane Library.



#### Are systematic reviews useful for policy makers?



#### Quality of the evidence

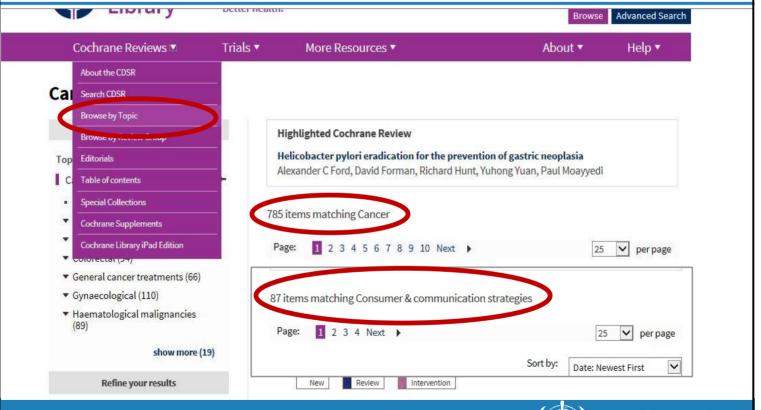
Certainty in these findings is limited for several reasons, including the difficulties involved in studying national policies like standardised packaging. However, findings suggesting standardised packaging may decrease tobacco use are supported by routine data from the Australian government and studies looking at other outcomes. For example, in our included studies people consistently found standardised packs less appealing than branded packs. We did not find any evidence suggesting standardised packaging may increase tobacco use.





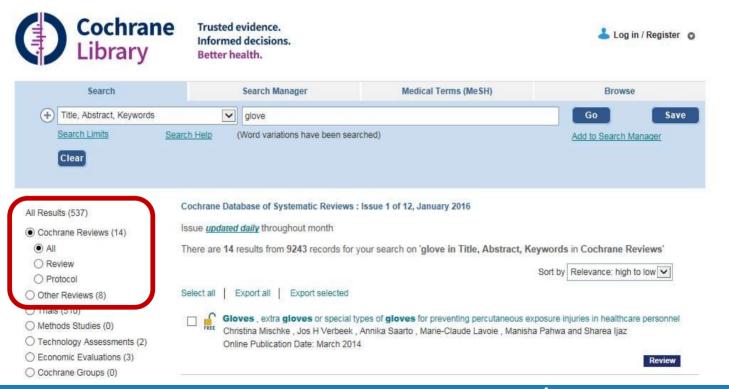


## The Cochrane Library homepage



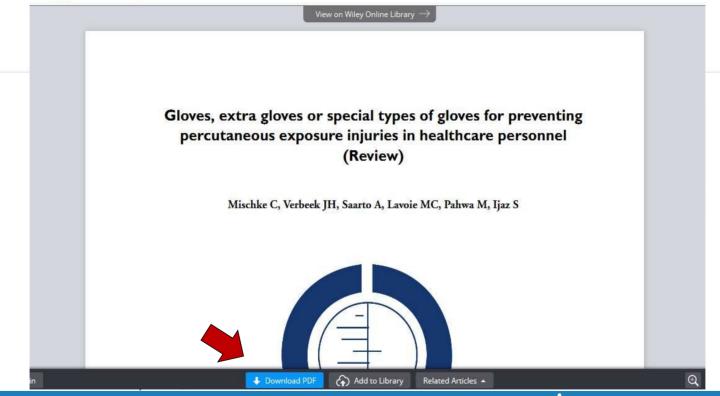


#### Cochrane basic search





#### Cochrane reviews are full text

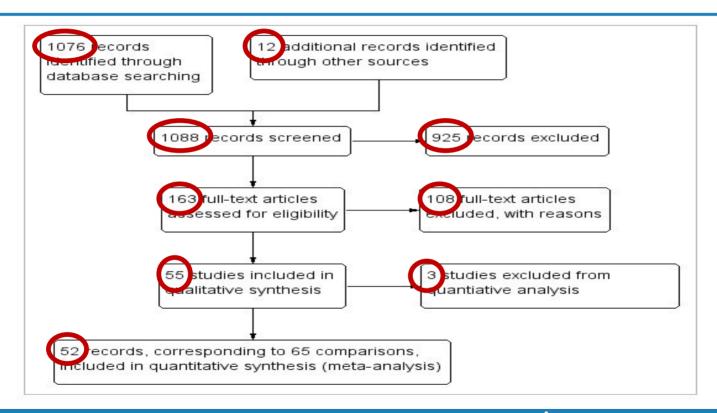




# Why are Cochrane reviews important?

- High methodological standards.
- Ensure efficient use of resources in low-resource settings.
- Increase power and precision in decision making.
- C Limit bias and improve accuracy through a global perspective.
- Reduce vast amounts of information to manageable size.

### Cochrane review numbers

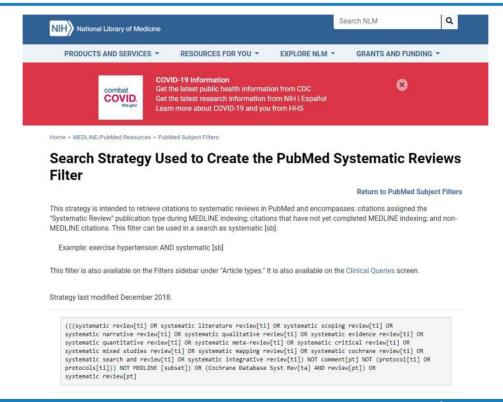


# Don't re-invent Einstein's Theory of Relativity

- Try to find other searcher's strategies they have used.
- The Cochrane Library's systematic reviews will usually list at least the key search terms, if not the entire search strategy.
- Other systematic or literature reviews, guidelines etc will document the search strategy.
- Look for filters or hedges (<u>PubMed's Systematic Review</u> <u>filter</u>).



## More than just one term/phrase





(((systematic review[ti] OR systematic literature review[ti] OR systematic scoping review[ti] OR systematic narrative review[ti] OR systematic qualitative review[ti] OR systematic evidence review[ti] OR systematic quantitative review[ti] OR systematic meta-review[ti] OR systematic critical review[ti] OR systematic mixed studies review[ti] OR systematic mapping review[ti] OR systematic cochrane review[ti] OR systematic search and review[ti] OR systematic integrative review[ti]) NOT comment[pt] NOT (protocol[ti] OR protocols[ti])) NOT MEDLINE [subset]) OR (Cochrane Database Syst Rev[ta] AND review[pt]) OR systematic review[pt]

## Where to find search strategies

#### Search methods for identification of studies

Electronic searches were undertaken in CENTRAL/CCT PubMed (2001 onwards), EMBASE, AIDSLINE, LILACS OR chlorhexidine OR "vaginal antisept\*-creams-foams-g OR labour OR labor OR birth OR intrapartum OR deliver (Lefebvre 2000; Higgins 2005), as appropriate. The meth "controlled clinical trial" [pt] OR "randomized controlled to blind method" [mh] OR "clinical trial" [pt] OR "clinical trial" (Dt] OR "clinical trial" (Dt] OR "clinical trial" (Dt] OR "clinical trial" (Dt] OR tripl\* [tw]) AND (mask\* [tw] OR blind\* [tw])) OR (latin volunteer\* [tw] OR "research design" [mh:noexp]) NOT (OR RANDOMIZED-CONTROLLED-TRIAL (DE) OR trial versus OR MULTICENTER-STUDY (DE) OR assign\* OF CLINICAL-TRIAL (DE) OR INTERMETHOD-COMPARIS articles" feature of PubMed was also used.

The above search strategy was supplemented by search International Conference on AIDS, the Conference on Rithe Prevention of HIV Transmission From Mothers to Inforganisations, academic centres, and pharmaceutical coor not) that may not have been included in the electronic letters to the editor were also scrutinised for any addition

#### Appendix 1. Search strategies 2010

Database	Period of search	Search strategy
EMBASE	1974 to	#6 #5 AND [humans]/lim AND [embase]/lim
	September	
	2010	#5 #3 AND #4
		#4 [randomized controlled trial]/lim OR [controlled clinical trial]/lim OR random* OR 'double blind' OR
		'single blind' OR (singl* OR doubl* OR trebl* OR tripl* AND (blind* OR mask*)) OR 'single blind
		procedure'/exp OR 'double blind procedure'/exp OR 'triple blind procedure'/exp OR placebo* OR
		'controlled study'/exp OR 'cross sectional study'/exp OR 'crossover procedure'/exp OR 'latin square
		design'/exp OR 'follow up'/exp OR 'comparative study'/exp OR 'evaluation studies'/exp OR 'evaluation
		study' OR prospectiv* OR volunteer*]
		#3 #1 AND #2
		#2 'health care personnel'/exp OR 'health care personnel' OR 'health care worker'/exp OR 'health care
		worker' OR 'health care workers' OR 'health care facilities and services'/exp OR 'medical profession'/exp
		OR 'nursing as a profession'/exp OR ('virus transmission'/exp AND 'patient'/exp AND professional)
		#1 'needlestick injury'/exp OR needlestick* OR 'needle stick'/exp OR 'sharp injury' OR 'sharp injuries' OR
		'sharp medical' OR 'sharp instrument' OR 'sharp needle' OR 'sharp needles' OR sharps OR 'percutaneou
		exposure' OR 'percutaneous injury' OR 'percutaneous injuries' OR 'percutaneous trauma' OR 'stick injury'

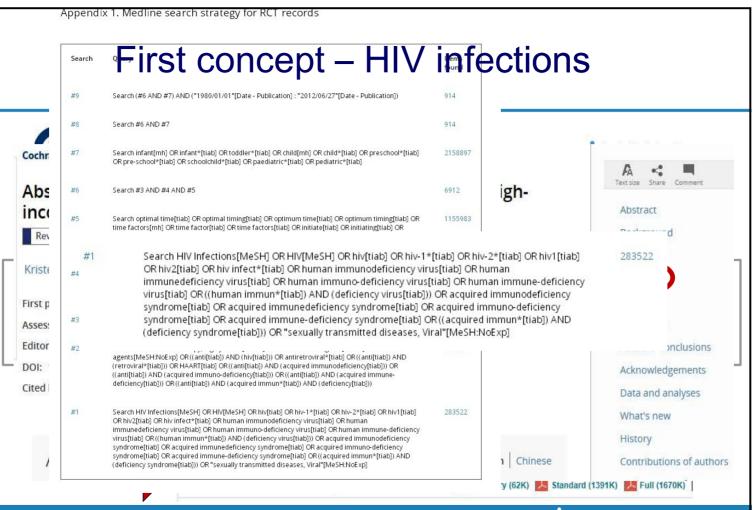


OR 'stick injuries' OR 'stab wound'/exp OR 'face injury'/de OR 'eye injury'/de OR 'arm injury'/de OR 'hand

## Major concepts

- HIV infections
- Health care workers
- Tuberculosis
- Prevention and treatment
- C Low-income countries
- Policy guidelines.







## HIV search

HIV Infections[MeSH] OR HIV[MeSH] OR hiv[tw] OR hiv-1\*[tw] OR hiv-2\*[tw] OR hiv1[tw] OR hiv2[tw] OR hiv infect\*[tw] OR human immunodeficiency virus[tw] OR human immunedeficiency virus[tw] OR human immunodeficiency virus[tw] OR human immune-deficiency virus[tw] OR ((human immun\*) AND (deficiency virus[tw])) OR acquired immunodeficiency syndrome[tw] OR acquired immunedeficiency syndrome[tw] OR acquired immunodeficiency syndrome[tw] OR acquired immune-deficiency syndrome[tw] OR ((acquired immun\*) AND (deficiency syndrome[tw])) OR "Sexually Transmitted Diseases, Viral"[MeSH:NoExp]



## Second concept – health personnel





#### Conversion of OVID to PubMed

"Health Personnel" [MeSH] OR "health personnel" [all fields] OR "healthcare personnel"[all fields] OR "health care personnel"[all fields] OR "health worker"[all fields] OR "health workers"[all fields] OR "healthcare worker"[all fields] OR "healthcare workers"[all fields] OR "health care worker"[all fields] OR "healthcare provider"[all fields] OR "healthcare providers"[all fields] OR "health care provider"[all fields] OR "health practitioners"[all fields] OR "healthcare practitioner"[all fields] OR "health care practitioner"[all fields] OR "health care practitioners"[all fields] OR "health employee"[all fields] OR "health employees"[all fields] OR "medical staff"[all fields] OR doctor[all fields] OR doctors[all fields] OR physician\*[all fields] OR ("allied health"[all fields] AND ("staff"[all fields] OR personnel[all fields])) OR paramedics\*[all fields] OR "nursing staff"[all fields] OR nurse[all fields] OR nurses[all fields] OR "nursing auxiliary"[all fields] OR "hospital personnel"[all fields] OR "hospital staff"[all fields] OR "hospital worker"[all fields] OR "hospital workers"[all fields]



# Search with "ALL Text" option "health personnel" AND pubmed





MEDLINE in	1 Jan	#6 (#1 AND #2 AND #3 AND (#4 OR #5))
PubMed	2014 to 1	
	November	$ \texttt{\#5} \ (effect*[tw] \ OR \ controls*[tw] \ OR \ controle*[tw] \ OR \ controle*[tw] \ OR \ controli*[tw] \ Controli*[tw] \ $
	2016	control*(twl OR evaluation*(twl OR program*(twl)
<b>#1</b> (("He	ealth Person	nel"[Majr] OR "health personnel"[tiab] OR "health care personnel"[tw] OR "healthcare personnel"[tw] OR
"health	care worker	[tw] OR "health care workers"[tw] OR "healthcare worker"[tw] OR "healthcare workers"[tw] OR "health"
wor <mark>ker</mark> "	[tw] OR "he	alth workers"[tw] OR "health professional"[tw] OR "health professionals"[tw] OR "health care professional"
[tw] OR	"health care	professionals"[tw] OR "healthcare professional"[tw] OR "healthcare professionals"[tw] OR "medical care
personr	el"[tw] OR "	Health Occupations"[mh] OR "Health Personnel"[mh] OR "Health Facilities"[mh] OR "Infectious Disease
Transmi	ission, Patie	nt-to-Professional"[mh] OR "dentist*"[tw] OR "anesth*"[tw] OR "anaesth*"[tw] OR "phlebotomist*"[tw] OR
"surgeo	n*"[tw] OR "	physician*"[tw] OR "doctor*"[tw] OR "nurse*"[tw] OR "veterinarian*"[tw]))
		instruments"[tw] OR "sharp medical instrument"[tw] OR "sharp medical instruments"[tw] OR "sharp needle"[tw] OR "sharp

instruments"[tw] OR "sharp medical instrument"[tw] OR "sharp medical instruments"[tw] OR "sharp needle"[tw] OR "sharp needles"[tw] OR "syringe\*"[tw] OR "IV-system\*"[tw] OR "sharps container\*"[tw] OR "safety engineered"[tw] OR "recap\*"[tw] OR "device\*"[tw])



### Another concept – low-income countries





#### Low-income countries

"Developing countries" [MeSH] OR "Africa" [MeSH] OR "Central America" [MeSH] OR "South America" [MeSH] OR "Latin America" [MeSH] OR "Mexico" [MeSH] OR "Asia" [MeSH] OR "Commonwealth of Independent States" [MeSH] OR "Pacific Islands" [MeSH] OR "Indian Ocean Islands" [MeSH] OR "Europe, Eastern" [MeSH]



#### https://epoc.cochrane.org/lmic-filters

LMIC Filters August 2010

#### Low and Middle Income Countries – LMIC Filters

#### PubMed Filter 1

(Searches the following fields: title, abstract, other abstract, MeSH, other terms, place of publication)

#10 Search #1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9

#9 Search "developing country"[tiab] OR "developing countries"[tiab] OR "developing nation"[tiab] OR

"developing nations"[tiab] OR "developing population"[tiab] OR "developing populations"[tiab] OR

"developing world"[tiab] OR "less developed country"[tiab] OR "less developed countries"[tiab] OR "less

 $developed\ nation"[tiab]\ OR\ "less\ developed\ nations"[tiab]\ OR\ "less\ developed\ population"[tiab]\ OR\ "less\ population"[$ 

developed populations"[tiab] OR "less developed world"[tiab] OR "lesser developed country"[tiab] OR "lesser

developed countries"[tiab] OR "lesser developed nation"[tiab] OR "lesser developed nations"[tiab] OR "lesser

developed population"[tiab] OR "lesser developed populations"[tiab] OR "lesser developed world"[tiab] OR

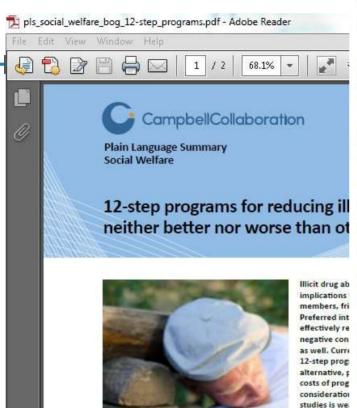
"under developed country"[tiab] OR "under developed countries"[tiab] OR "under developed nation"[tiab] OR



# Campbell Collaboration https://www.campbellcollaboration.org/







#### What are the main results in this review?

There is no difference in the effectiveness of 12-step interventions compared to alternative psychosocial interventions in reducing drug use during treatment, post treatment, and at 6- and 12-month follow-ups. 12-step programmes combined with additional treatment did have a significant effect at 6-month follow-up, but this finding is based on few studies and is not found at 12-month follow-up.

There is some evidence that 12-step programmes retain fewer of their participants than other programmes, but the evidence has shortcomings. No effect was found on other secondary outcomes.

#### What do the findings in this review mean?

The main evidence presented in this review suggests that 12-step programs for reducing illicit drug use are neither better nor worse than other interventions.

This conclusion should be read with caution given the weakness of the evidence produced by the studies.

The power to detect a difference between the 12-step interventions and alternative psychosocial interventions was low and the estimated effect sizes were small. Many studies failed to adjust for the fact that the intervention is administered to groups, and so may overestimate effects. Given all these shortcomings, further evidence regarding the effectiveness of this type of intervention, especially in self-help groups, is needed.

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What did the

Illicit drug ab problem lead

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## https://www.globalindexmedicus.net

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- Complement the internationally known bibliographic databases.
- Higher relevance for other developing countries.
- South South information sharing.
- Important for systematic reviews.
- Accessible without subscription.



## Developing country health databases

http://www.who.int/library/country/regional/index.en.shtml

- Africa (African Index Medicus) <a href="http://indexmedicus.afro.who.int/">http://indexmedicus.afro.who.int/</a>
- Latin America and the Caribbean http://bases.bvs.br/
   (LILACS)
- South-East Asia (IMSEAR) <u>http://imsear.hellis.org/</u>
- Eastern Mediterranean (IMEMR)
   <a href="http://www.emro.who.int/HIS/VHSL/">http://www.emro.who.int/HIS/VHSL/</a>
- Western Pacific (WPRIM) <u>http://wprim.whocc.org.cn/</u>.



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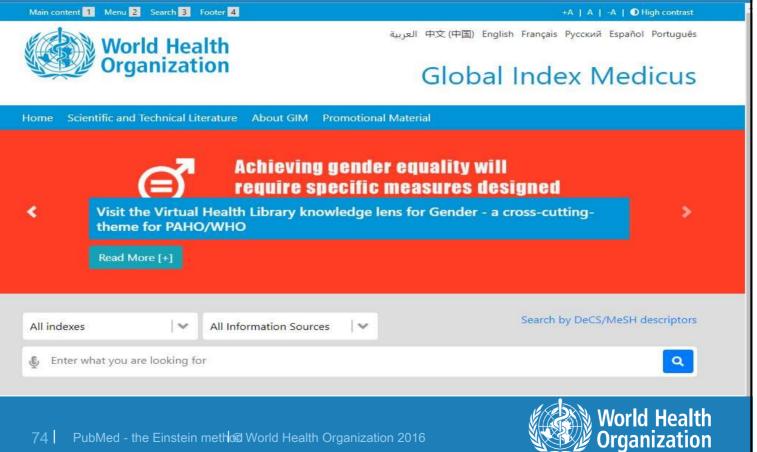
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ORIGINAL ARTICLE

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"I don't know if I have the courage": reproductive choices in times of Zika

Ana Rosa Linde Arias<sup>I</sup>; Elisa Tristan-Cheever<sup>II</sup>; Grace Furtado<sup>I</sup>; Eduardo Sigueira<sup>III</sup>

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II Cambridge Health Alliance, Cambridge, MA

III The School for the Environment, University of Massachusetts Boston, USA

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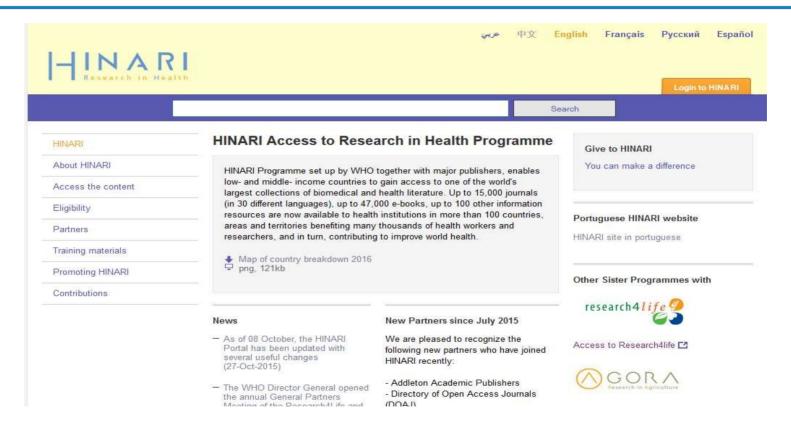




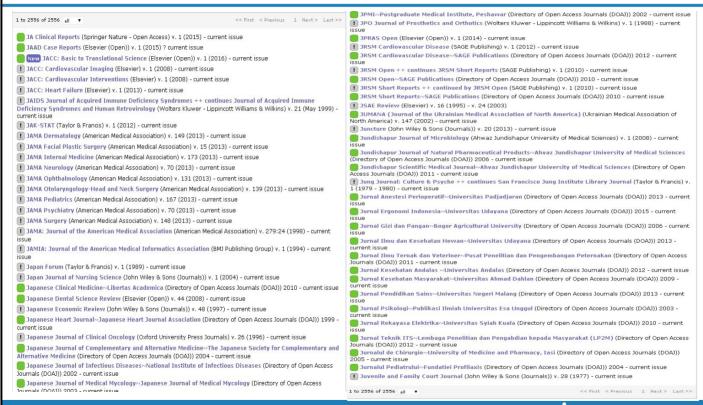
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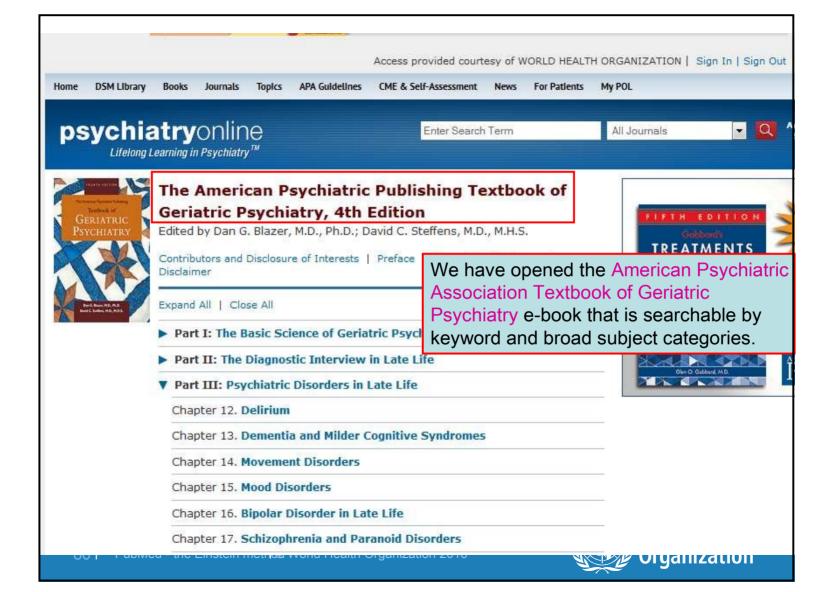
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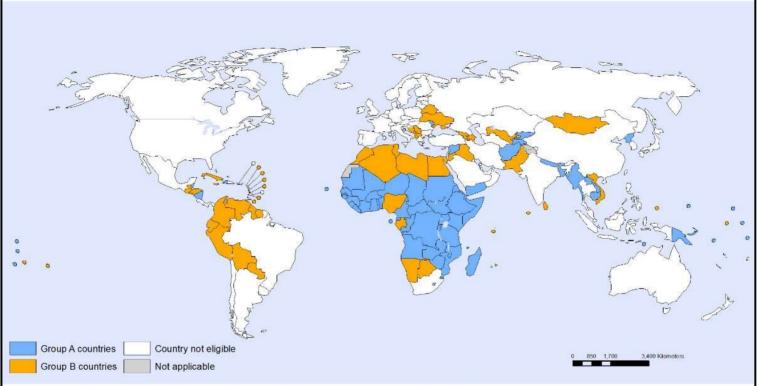
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