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# HINARI Short Course



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# HINARI

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- The HINARI Access to Research Programme is coordinated by the World Health Organization (WHO)
- HINARI is a public-private partnership between the WHO, publishers and other health care content owners
- To provide biomedical and health care research and guideline information to non-profit academic and research institutions, governmental and policy making departments in low income countries.
- AGORA (agricultural research) and OARE (environmental research) are similar programs

<http://www.research4life.org/>




Research4Life

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**RESEARCH4LIFE**

The demand for scientific literature in developing countries had gone unfulfilled for many years with thousands of students, researchers and academics struggling to gain access to current scientific information. While students were unable to access the literature and acquire the knowledge they needed, researchers and academics were confronted with mounting difficulties in publishing their findings in peer-reviewed journals, updating their teaching curricula and identifying funding.

Research4Life is the collective name for three public-private partnerships which seek to help achieve the UN's Millennium Development Goals by providing the developing world with access to critical scientific and social science research. Beginning in 2002, the three programmes: Health Access to Research Initiative (HINARI); Access to Global Online Research in Agriculture (AGORA); and Online Access to Research in the Environment (OARE), have given researchers at 4,500 institutions in 108 developing countries free or low cost access to over 7,000 journals provided by the world's leading academic and professional publishers.

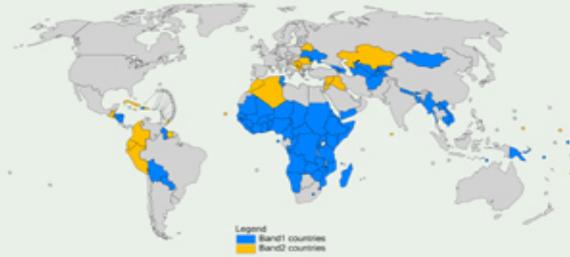
Since 2002, Research4Life programmes have bridged the knowledge gap and has impacted the research – and the lives – of those living in some of the world's poorest countries. Research4Life is a public-private partnership of the WHO, FAO, UNEP, Cornell and Yale Universities and the International Association of Scientific, Technical and Medical Publishers. Working together with technology partner Microsoft, the partnership's goal is to help attain six of the UN's eight Millennium Development Goals by 2015, reducing the scientific knowledge gap between industrialized countries and the developing world.

**What's New**

Access to environmental research in developing nations has grown to 1500 institutions in less than three years.

Research4Life today announces that the Online Access to Research in the Environment (OARE) programme has registered 1500 institutions since its launch in 2006, an increase of nearly 700 percent. The means that scientists, researchers and environmental policy-makers in 1,500 not-for-profit institutions in the world's poorest countries can gain free or low cost access to the latest environmental science literature from the world's leading journals, books and databases...[read more](#)

**Eligible Countries**



Launched in 2002, [HINARI](#) is managed by the World Health Organization in partnership with Yale University Library and over 100 publishers. 3200 public institutions in 105 eligible countries have already registered for access to HINARI, which provides access to over 5500 peer-reviewed journals covering medicine, nursing and related health and social sciences.

Launched in 2002, [AGORA](#) is managed by the Food and Agriculture Organization in partnership with Cornell University and over 40 publishers. Over 1600 institutions have registered for access to AGORA which provides access to over 1200 high quality international journals covering agriculture, fisheries, food, nutrition, veterinary science and related biological, environmental and social sciences in public institutions across the world. It also includes several important databases and indexes. The journal can be searched using a special subset of OAI Abstracts.

Launched in 2006, [OARE](#) is managed by the United Nations Environment Programme in partnership with Yale University and more than 50 publishers. Over 1500 institutions have registered for OARE to access more than 2000 scientific journals in a wide range of disciplines including environmental toxicology and pollution, zoology, botany, ecology, environmental chemistry, geology, hydrology, oceanography, meteorology, climatology, geography, environmental economics, environmental law and policy, conservation policy and planning, environmental toxicology, environmental engineering, energy, and many other disciplines.



HINARI: health research (7000 journals)  
<http://www.who.int/hinari/en/>

AGORA: agriculture research (1278 journals)  
<http://www.aginternetwork.org/en/>

OARE: environment research (2990 journals)  
<http://www.oaresciences.org/en/>

updated: 2010 04

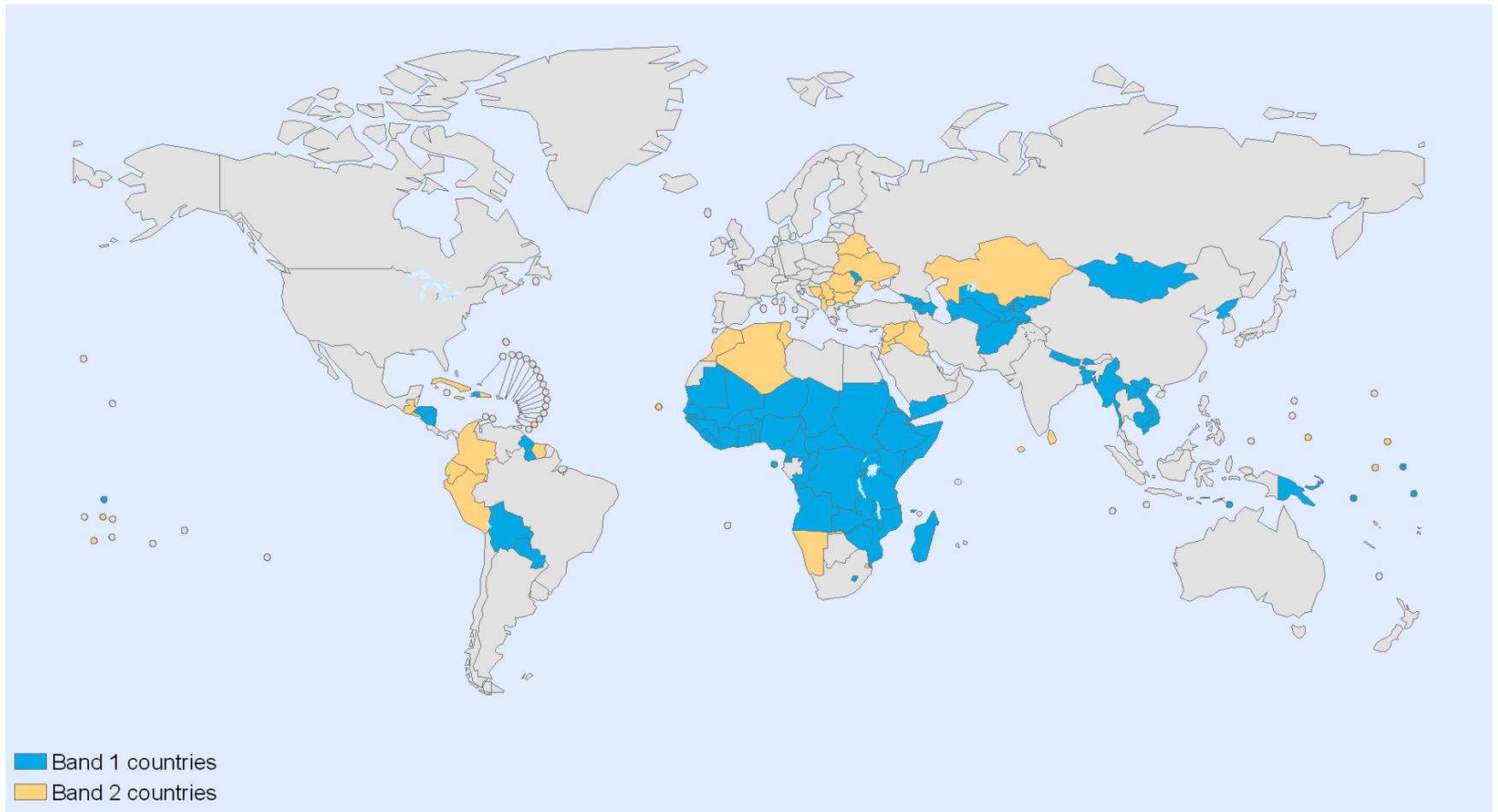
# Eligibility/Registration

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- Institutions in countries with GNI (gross national income) per capita below \$1600 are eligible for free access (Band 1)
- Institutions in countries with GNI per capita between \$1601-\$4700 pay a fee of \$1000 per year / institution (Band 2)
- For details, see [www.who.int/hinari/eligibility/en/](http://www.who.int/hinari/eligibility/en/)

# Who is Eligible for HINARI-AGORA-OARE?

## Countries, areas and territories eligible for HINARI, AGORA and OARE



The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted lines on maps represent approximate border lines for which there may not yet be full agreement.

Data Source: World Health Organization  
Map Production: Public Health Information  
and Geographic Information Systems (GIS)  
World Health Organization



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# Primary Target Audiences

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Eligible categories of institutions are:

- national universities
- research institutes
- professional schools (medicine, nursing, pharmacy, public health, dentistry)
- teaching hospitals
- government: ministries and agencies
- national medical libraries
- locally based non-governmental agencies

All permanent and visiting faculty, staff members and students are entitled to access and can obtain the institutional User Name and Password.

# Partners

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## Principal Publishers

- Elsevier Science
- Springer
- Wiley-Blackwell
- Sage
- Taylor & Francis
- Lippincott/Williams & Wilkins
- BioOne
- Oxford University Press
- Nature Publishing
- Other science/technical/  
medical publishers

## Program Partners

- World Health Organization -  
WHO
- Food and Agriculture Org. – FAO
- United Nations Environment  
Programme – UNEP
- Yale University Library
- Mann Library/Cornell University
- International Association of  
Scientific, Technical and Medical  
Publishers – STM
- Information Training and Outreach  
Centre for Africa
- National Library of Medicine
- Microsoft
- Librarians Without Borders/MLA

<http://extranet.who.int/hinari/en/partners.php>

# HINARI Do's / Users

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- Material owned by the Publishers made available through HINARI can be used by Authorized Users or Walk-in Users
  - An Authorized User: an institution's or government department's employee, permanent or visiting faculty, or student
  - Walk-in User: anyone who comes to the Institution's premises and is permitted by the Institution to access services there

# HINARI Do's / Articles

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For HINARI Band 1 participants:

- institution may supply printed or digital materials (documents) to the institution's employees, faculty members, students or another Authorized User
- remote access is permissible but limited to computers owned personally by employees or by institution
- Professors/lecturers can place publisher's material in print Course Packs or placed in Electronic Reserves for students (delete after the end of the course)

# HINARI Don'ts / Articles

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- Downloading/Printing: users cannot download complete journal issues or books (per journal issue or book, 15% limit)
- Course Packs: professors/lecturers
  - cannot make a profit from the publisher's material
  - can charge for cost of printing only

# HINARI Don'ts / Articles

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- Document supply: Cannot distribute documents obtained through HINARI to any other individuals or organizations outside the registered institution
- Document fees: The institution may not supply the document for a fee except to recover cost of printing
- Uploading: Cannot upload the material to or post to a publicly available website or elsewhere

# HINARI Don'ts / Content & Software

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- Cannot modify, adapt, transform or create any derivative work from the publisher's material, software or hosting agent or tamper with the access software

# HINARI Don'ts / Access

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- Do not give the Publisher's Material or User Name/Password to other individuals or institutions
  - if others are interested in HINARI, send them to their institutions' libraries
- Do not access HINARI while traveling outside the country
- Do not put the User Name/ Password on the Institution's website or any other Internet page
- Do not share or publish the ID and password through public sites on the Internet: Groups, Wikis or Blogs
  - can put a link to initial page of HINARI or have information about HINARI

# Suggestion

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- Modify the 'Do's and Don'ts Template' (Word document) for your institution
- Print copies and distribute to HINARI users - when you supply the IDs and Passwords
- Have each new users read the 'Do's and Don'ts' and sign that they understand and accept the limits
- You will have fulfilled your responsibilities as a provider of the Institutional IDs and Passwords

# HINARI USAGE POLICY

Institution: \_\_\_\_\_

Institutional ID: \_\_\_\_\_

Password: \_\_\_\_\_

## HINARI DO'S

- Material owned by the Publishers made available through HINARI can be used by Authorized Users or Walk-in Users
- An Authorized User is an institution's or government department's employee, permanent or visiting faculty, or student
- Walk-in User are anyone who comes to the Institution's premises and is permitted by the Institution to access services there
- Institution may supply printed or digital materials (documents) only to the institution's employees, faculty members, students or another Authorized User
- Remote access is permissible but limited to computers owned personally by employees or by institution
- Publisher's material may be placed in electronic reserves for students to access in specified education courses (delete after the end of the course)
- Course Packs: professors/lecturers may make copies in print or digital form of the Publisher's Material for use by students

## HINARI DON'TS

- Do not put the ID and password on the Institution's website; a link to the initial page of HINARI or information about the program is acceptable.
- Do not share or publish the ID and password through public sites on the Internet: Groups, Wikis or Blogs.
- Do not give the Publisher's Material or ID/password to other individuals or institutions (if others at your institution are interested, send them to the Library or Director)
- Do not access HINARI while traveling outside the country
- Downloading or printing: users cannot download or print complete journal issues or books (per journal issue or book, 15% limit)
- Course Packs: professors/lecturers only can recover the cost of producing such course packs from the students; cannot make a profit from the Publisher's Material
- Document supply: cannot distribute documents obtained through HINARI to any other individuals /organizations outside the Institution
- Uploading: cannot upload/post the material to a publicly available website or elsewhere
- Content and Software: cannot modify, adapt, transform or create any derivative work from the publisher's material, software or hosting agent or tamper with the access software

SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_ PRINT NAME: \_\_\_\_\_

For copy of this document, see HINARI\_Usage\_Policy\_Template...doc

Last updated: 2010 12

# Exercise 1

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Complete exercise 1 in the workbook.

# Planning a Search Strategy

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## 1. Define your information need

- what sort of information are you looking for?
- who is going to use this information?

## 2. Choose your search terms

- unique words, key phrases
- synonyms, alternate spelling, plurals, capitols
- broader topics

## 3. Decide which sources to use

- gateways, databases, catalogs
- journals or books
- reference resources - e.g. encyclopedias, dictionaries
- grey literature - e.g. governmental or non-governmental organizations publications, websites

- 
4. Find out how the search tool functions (as they vary somewhat) – discussed in following slides
  5. Run your search
    - use the terms/keywords you have decided on, sources you have selected
    - read the ‘help’ information
  6. Review and refine you search
    - be prepared to review/revise your search
    - try new sources of information
    - save the search and citations for future use
    - promote use of high-quality resources

# Example: To find information on health problems of water pollution

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- Keywords—'water' 'pollution' 'health'
- Broader topics—'environmental degradation' or 'agricultural management' or 'health'
- Synonyms
  - Water: rivers, lakes, sea, coastal, 'domestic water', etc
  - Pollution: 'oil spills', chemical, biological, toxicity, etc
  - Health: illness, disease, etc
- Alternative spellings: none
- Plurals: river(s), lake(s), disease(s)
- Capitals: e.g. name of a specific lake, disease, region

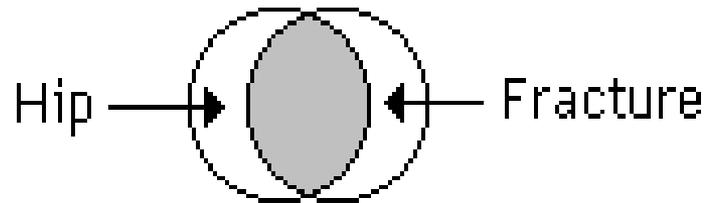
# Boolean (Search) Operators

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- Connect terms and locate records containing matching terms
- Inserted in a search box – **AND, OR, NOT**
- Must be in UPPERCASE when used
- AND, NOT operators are processed in a left- to right sequence. These are processed first before the OR operators
- OR operators are also processed from left- to-right

# AND Operator (to combine two concepts)

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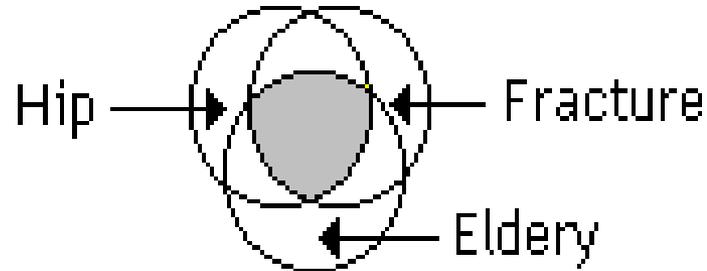


hip **AND** fracture

the **AND** operator is used to combine two concepts e.g. hip **AND** fracture – in the shaded area

# AND Operator (to combine three concepts)

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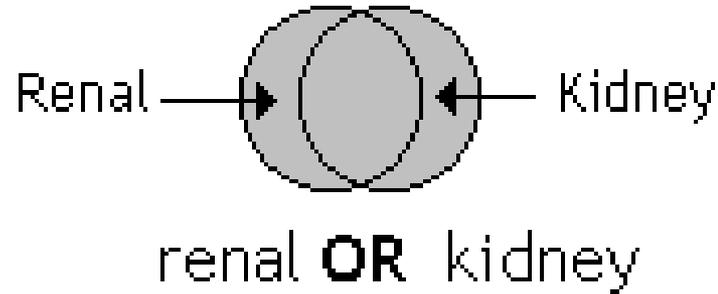
hip **AND** fracture **AND** elderly

the **AND** operator is used to combine three concepts e.g. hip **AND** fracture **AND** elderly – in the shaded area

# OR Operator

(info containing one or other term)

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renal **OR** kidney – in the shaded area with the overlap in the middle having both search terms

# NOT Operator (in one term or the other)

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pig **NOT** guinea – in the shaded area; eliminates items in 2nd term (guinea) or both terms

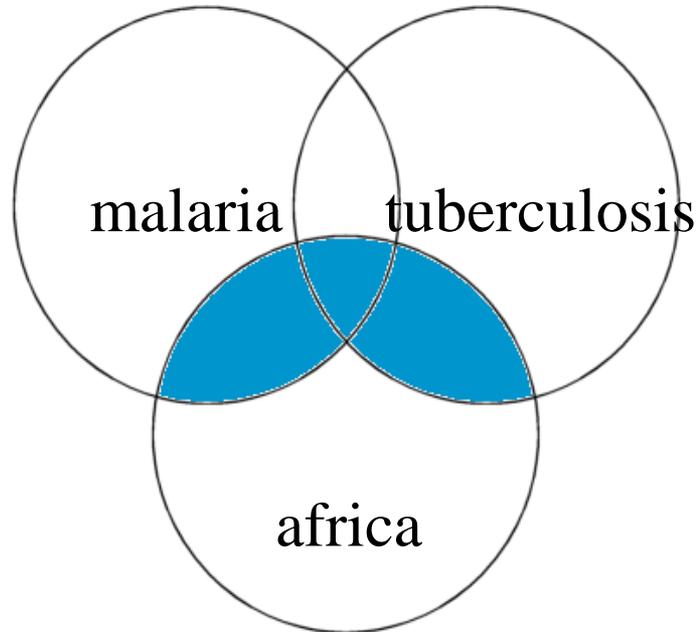
# Other search engine functions

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- Phrase or proximity searching: “...” or (...)
  - allows you to search for an exact phrase  
“information literacy”  
prevention and (malaria parasite)
- Truncation/wildcards: \*
  - allow you to search alternative spellings  
child\* for child OR childs OR children  
parasite\* for parasite OR parasites
- Alternate spellings: ?
  - can be used to substitute for characters anywhere in a word  
wom?n would search for “woman” and “women”

# Africa AND (malaria OR tuberculosis)

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Africa AND (malaria or tuberculosis) – in the shaded area  
The **(OR)** operator retains items in each term and the **AND** operator is used to combine two concepts

# More Search Techniques

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- Field Specific Searching
  - author, title, journal, date, url, etc.
- Language Restrictions, Humans or Animals, Gender and other limits  
(to be discussed in PubMed LIMITS)
- Relevancy Ranking
  - a grading that gives extra weight to a document when the search terms appear in the headline or are capitalized
  - every found document is calculated as 100% multiply by the angle formed by weights vector for request and weights vector for document found

# Evaluating Web Information

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- Criteria for Evaluation
    - Accuracy
    - Authority
    - Currency
    - Coverage
    - Objectivity
  - Criteria for evaluating Health Information
- <http://www.nlm.nih.gov/medlineplus/evaluatinghealthinformation.html>

# Google Search: Dengue Fever

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[CDC: Dengue fever and dengue hemorrhagic fever.](#) The Centers for Disease Control and Prevention presents detailed information about this mosquito-born. [www.cdc.gov/ncidod/dvbid/dengue/](http://www.cdc.gov/ncidod/dvbid/dengue/) - 37k –

[Dengue fever, disease information, NCID, CDC](#) Infectious Disease Information. Dengue Fever and Dengue Hemorrhagic Fever (Dengue Virus Infection). [www.cdc.gov/node.do/id/0900f3ec80006ce4](http://www.cdc.gov/node.do/id/0900f3ec80006ce4) - 17k

[Dengue Fever](#) Factsheet with cause, symptoms, diagnosis, treatment, and prevention. [www.niaid.nih.gov/factsheets/dengue.htm](http://www.niaid.nih.gov/factsheets/dengue.htm) - 13k -

[Dengue Fever - Main](#) Subscribe to denguefever news. [www.denguefevermusic.com/](http://www.denguefevermusic.com/) - 8k –

[Wikipedia, the free encyclopedia](#) Dengue and dengue hemorrhagic fever (DHF) are acute febrile diseases, [en.wikipedia.org/wiki/Dengue\\_fever](http://en.wikipedia.org/wiki/Dengue_fever) 39k –

[WHO: Dengue and Dengue Haemorrhagic Fever](#) Includes cause, prevalence, transmission, symptoms, treatment, and prevention. [www.who.int/mediacentre/factsheets/fs117/](http://www.who.int/mediacentre/factsheets/fs117/) - 24k –

[eMedicine - Dengue Fever : Article by Daniel D Price, MD](#) Dengue Fever [www.emedicine.com/emerg/topic124.htm](http://www.emedicine.com/emerg/topic124.htm) - 75k -

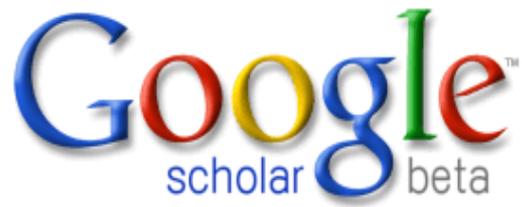
# Google™

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[Advanced Scholar Search](#)

Articles (  include patents )  Legal opinions and journals

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**Google Scholar** provides a simple way to broadly search for scholarly literature. You can search across many disciplines and sources: peer-reviewed papers, theses, books, abstracts and articles, from academic publishers, professional societies, preprint repositories, universities and other scholarly organizations.

# Exercise 2

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Complete exercise 2 in the workbook.

# HINARI Website

[www.who.int/hinari/en/](http://www.who.int/hinari/en/)

Save your bookmarks here on the bookmarks bar. [Import bookmarks now...](#)

The screenshot shows the HINARI website homepage. At the top, there are language options: العربية | 中文 | English | Français | Русский | Español. The HINARI logo is prominently displayed with the tagline "Research in Health". A search bar is located in the top right. Below the header, there is a navigation menu on the left with links: HINARI, About HINARI, Full-text journals, databases and other resources, Eligibility, Register, Partners, Publishers' statement, Frequently asked questions, Training, and Using HINARI. The main content area features the title "HINARI Access to Research in Health Programme" and a paragraph describing the program's mission. A red box highlights the URL <http://www.who.int/hinari/> and a text box explaining that this is the initial page of the HINARI website, noting the navigation links in the left-hand column and providing instructions on how to access the site.

**HINARI**  
Research in Health

English | Français | Русский | Español

Login to HINARI

Search

**HINARI Access to Research in Health Programme**

The HINARI Programme, set up by WHO together with major publishers, enables developing countries to gain access to one of the world's largest collections of biomedical and health literature. More than 7,000 journal titles are now available to health institutions in 109 countries, areas and territories benefiting many thousands of health workers and researchers, and in turn, contributing to improved world health.

Other Sister Programmes with

research4life

**This is the initial page of the HINARI website. Note in the left-hand column, that there are links to the Full-text journals, database and other resources, Eligibility, Register, FAQs and Training pages. To access the HINARI website, enter the URL <http://www.who.int/hinari/> Initially, we will look at the Register page.**

## HINARI Registration

If your institution is an academic, government or research institution located in one of the countries listed below, you may be eligible to join HINARI ([check eligibility](#)). Please register by completing this form. *Only one registration is required per institution.*

If you are a member of a university or professional school, your institution might already be registered with HINARI. Please check our list of [REGISTERED UNIVERSITIES AND PROFESSIONAL SCHOOLS](#) before registering.

Once we receive your registration, we will issue a common username and password for all staff at your institution. As HINARI is in fact a virtual library, we suggest that your institution's librarian be our main contact point. Should your institution not have a library, we will send the username, password and instructions for access to the journals to your director.

<b>Country, area or territory</b> (must be on list to participate in HINARI)	--SELECT ONE--
<b>Type of institution</b>	--SELECT ONE--
<b>Institution name in full</b>	
<b>Institution address</b>	
<b>Institution telephone</b>	
<b>Country Code</b>	<b>City Code</b>
<b>Please describe briefly your institution</b>	
<b>To which consortia (if any) does your institution belong?</b>	
<b>Your full name</b>	Dr
<b>Your position</b>	
<b>Your department</b>	
<b>Librarian name</b> (main contact)	Dr
<b>Librarian's e-mail</b>	
<b>Institution Director name</b> (official contact)	Dr
<b>Director's e-mail</b>	

Before registering your institution, you need to check if your organization already has registered. Click on the [REGISTERED UNIVERSITIES AND PROFESSIONAL SCHOOLS](#) link. This list is updated weekly.

Note that you also can confirm that your institution is eligible for HINARI by clicking on the [\(check eligibility\)](#) link.

From the drop down menu, click on your country – to see the list of registered institutions. For this exercise, we have chosen **Viet Nam**.



## Registered Universities and Professional Schools By Country

[Privacy P](#) served

-- SELECT A COUNTRY --

-- SELECT A COUNTRY --

- Afghanistan
- Albania
- Algeria
- Angola
- Armenia
- Azerbaijan
- Bangladesh
- Belarus
- Benin
- Bhutan
- Bolivia
- Bosnia and Herzegovina
- Bulgaria
- Burkina Faso
- Burundi
- Côte d'Ivoire
- Cambodia
- Cameroon
- Cape Verde

## Registered Universities and Professional Schools By Country

-- SELECT A COUNTRY --

**Viet Nam**

Bien Hoa - Dong Nai's Children Hospital  
Can Tho - Can Tho University Learning Resource Center  
Can Tho - CanTho University of Medicine & Pharmacy  
Cantho - Cantho University  
Dalat - University of Dalat  
Danang - College of Food and Foodstuff  
Danang - National Technical College of Medic  
Danang - University of Danang - Learning and  
Ha Dong - army military medical university  
Ha Dong, Ha Tay - Vietnam Academy of Tradit  
Ha Noi - Ha Noi College of Pharmacy  
ha noi - Hospital of post and telecommunicati  
Hai Duong - The Medical Technical College No  
Haiphong - Haiphong Medical University  
Hanoi - Academy of Medicine  
Hanoi - Center for Public Health and Commun  
Hanoi - Hanoi Medical University (HMU)  
Hanoi - Hanoi School of Public Health  
Hanoi - Hanoi University of Technology (HUT  
Hanoi - Institute for population and social stu  
Hanoi - Institute of Sociology, Vietnam Academy  
Hanoi - National Institute of Pediatrics  
Hanoi - Nursing School of Hanoi  
Ho Chi Min - University of Physical Education and Sport No.2  
Ho Chi Minh - Advanced Dental Center  
Ho chi Minh - Natural Sciences University Library  
Ho Chi Minh - VietNam National University HoChiMinh City - University of Technology  
Ho Chi Minh City - University of Medicine and Pharmacy of Ho Chi Minh city  
Ho Chi Minh City - University of Medicine and Pharmacy, Faculty of Public Health  
Ho Chi Minh City - University Training Center for Health Care Professionnals  
Ho Chi Minh City - University Training Centre  
Hue - Hue University Learning Resource Center

If your institution is registered, contact the Librarian or Director for the **User Name** and **Password**. If you are not able to do this, contact HINARI at [hinari@who.int](mailto:hinari@who.int). Please note that only Universities and Professional Schools are included in these lists.

Note: Only ONE registration per institution is required/preferred.

Institution Details

Contacts

Communications

Consortia

Password History

Payments History

IP History

Centre for Research in Human Reproduction

Panama

## Contact Details

Name Dr Carlos Moreno

Telephone

Fax

Title Director

Main Contact Director

Department Centre for Research In Human  
Reproduction

Email cirhpan@sinfo.net

Email2

Notes

Name Dr Carlos Poveda

Title

Department

Notes

Name Ms Mivía Jaén

Telephone

Fax

Title

Main Contact computing

Department

Email cirhpan@sinfo.net

Email2

Notes

This is one of the pages of the 'Institution profile' that you will not be able to view. Note the important **Contact Details** that can contain 'out-of-date' information.

For updating contacts, please provide the full names of your country, institution, librarian and/or director, and his/her e-mail address(es), to the trainers or to HINARI via [hinari@who.int](mailto:hinari@who.int).

[LOGIN](#)

- HINARI**
- About HINARI
- Full-text journals, databases and other resources
- Eligibility
- Register
- Partners
- Publishers' statement
- Frequently asked questions
- Training
- Using HINARI

[HINARI Access to Research Initiative](#)

## HINARI Access to Research in Health Programme

The HINARI Programme, set up by WHO together with major publishers, enables developing countries to gain access to one of the world's largest collections of biomedical and health literature. More than 7,000 journal titles are now available to health institutions in 109 countries, areas and territories benefiting many thousands of health workers and researchers, and in turn, contributing to improved world health.

### NEWS

[Update e-books: The Oxford Textbook of Medicine and 20](#)

Login to the HINARI website by clicking HINARI LOGIN.

Books via the Reference Sources drop down menu on the Full Text Journals, databases and other resources page. New online books include the Oxford Textbook of Medicine, 5th edition (2010) that has been made available with the support of the Wellcome Trust. The Textbook provides practical guidance on the clinical management and prevention of disease, with in-depth coverage of the traditional specialty areas. The initial page contains an 'expandable' table of contents that details the contents of each topic.

### TIP OF THE MONTH FOR USING HINARI

[Access Problems – Firewalls Servers](#)  
staff reports. ue that

We can help you resolve (incorrect username and password, or a problem at a publisher's site.) We are seeing an increasing number of reports where the problem reported actually originates at your own institution.

Mostly commonly, a problem at your institution occurs when a proxy server is blocked by a newly installed institution firewall on your network. If you know that your institution is upgrading or securing its network, please check

[Siteo HINARI em Português](#)

OTHER SISTER PROGRAMMES WITH



[more information](#)



[Access to Global Online Research in Agriculture](#)

## OARE

RESEARCH IN THE ENVIRONMENT  
[Online Access to Research in the Environment](#)

[Click here to view a brief video about OARE](#)

**Contact HINARI**  
World Health Organization  
IER/KMS/LNK  
HINARI  
20, Avenue Appia  
CH-1211 Geneva 27  
Switzerland  
Fax: +41 22 791 4150  
[hinari@who.int](mailto:hinari@who.int)

We will need to enter our HINARI **User Name** and **Password** in the appropriate boxes, then click on the **Login** button.

Note: If you do not properly sign on, you will not have access to full text articles.

## Please provide the following:

User Name:

Password:

Language:

**Attention:** for security reasons, when you finish working with the site, please make sure you do one of the following:

- Use the Logout button, to log out of the site, or,
- Close all browser windows, including applications that were opened in a new window.



Find Journals:  
-- Select --

LOGIN

Please log in to access this content through HINARI.

User name:

Password:

**Partner publisher services**  
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- Find journals by subject category  
-- SELECT A SUBJECT --
- Find journals by language of publication  
-- SELECT A LANGUAGE --
- Find journals by publisher  
-- SELECT A PUBLISHER --

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**Databases and Article searching**

-- SELECT REFERENCE SOURCE --

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## Find Journals

-- SELECT A SUBJECT --

### HIV/AIDS

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You must log in to have full access to this journal through HINARI.

These journals provide full access to everyone



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**Microbiology and immunology** (Directory of Open Access Journals) v. 45 (2001) - current issue



**PLoS Computational Biology** (Public Library of Science) v. 1 (2005) - current issue



**PLoS Medicine** (Public Library of Science) v. 1 (2004) - current issue



**PLoS ONE** (Public Library of Science) v. 1 (2006) - current issue



**PLoS Pathogens** (Public Library of Science) v. 1 (2005) - current issue



**Retrovirology** (Directory of Open Access Journals) 2004 - current issue

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**Addiction** (John Wiley & Sons) v. 1 (1903) - current issue



**AIDS** (Lippincott Williams & Wilkins) v. 11 (1997) - current issue



**AIDS and Behavior** (Springer) v. 1 (1997) - current issue



**AIDS Care** (Taylor & Francis) v. 1 (1989) - current issue

In this example, we opened the **Find Journals by Subject 'HIV/AIDS'** listing. Note that only 7 journals are **full access** while there is a long list of journals that 'you must **log in to access these journals**'.

You are logged in.

- Find journals by title

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

- View complete list of journals

- Search HINARI journal articles through  
- More information.

- Find journals by subject category

- SELECT A SUBJECT -

- Find journals by language of publication

- SELECT A LANGUAGE -

- Find journals by publisher

- SELECT A PUBLISHER -

### Partner publisher services

Publishers' websites offer special services, such as personalized alerts and searching.

- SELECT PUBLISHER -

Once logged-in, you will be taken into the **Full text journals, databases, and other resources** sub-page of the website.

Note the 'You are logged' in message. This proper login also can be confirmed by the **hinari-gw.who.int/whalecomextranet...** url

### Other Free Collections

- SELECT FREE COLLECTION -



Find Journals:

- Select - 

You are logged in.

- Find journals by title

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

- View complete list of journals

- Search HINARI journal articles through PubMed (Medline)

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- Find journals by subject category

- Find journals by language of publication

- Find journals by publisher

### Partner publisher services

Publishers' websites offer special services, such as personalized alerts and searching.

### Databases and Article searching

### Other Free Collections

Journals can be accessed by title from an alphabetical list.

Note there also is a View complete list of journals option.

We have displayed the 'L' journal list. Click on the title for *The Lancet*.

The green box notes access to the contents of the journal for you while the ! notes that your institution is denied access (predominantly Band 2 although some Band 1).

Note that the 'years of volumes' available are listed after the journal title.

Getting

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Getting Started Latest Headlines

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 J Gen Virol 2009 90: 281-291. [\[Abstract\]](#) [\[Free Full Text\]](#) [\[PDF\]](#) IMMEDIATE OPEN ACCESS ARTICLE
- Grishma R. Parikh, Jonathan D. Oliver, and Lyric C. Bartholomay  
**A haemocyte tropism for an arbovirus**  
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- Xiaohong Shi and Richard M. Elliott  
**Generation and analysis of recombinant Bunyamwera orthobunyaviruses expressing V5 epitone-tagged L proteins**

## ABSTRACT

Introns from the Epstein-Barr virus (EBV) BART RNAs produce up to 20 micro RNAs (miRNAs) but the spliced exons of the BART RNAs have also been investigated as possible mRNAs, with the potential to express the RPMS1 and A73 proteins. Recombinant RPMS1 and A73 proteins were expressed in *Escherichia coli* and used to make new monoclonal antibodies that reacted specifically with artificially expressed RPMS1 and A73. These antibodies did not detect endogenous expression of A73 and RPMS1 proteins in a panel of EBV-infected cell lines representing the different known types of EBV infection. BART RNA could not be detected on Northern blots of cytoplasmic poly(A)<sup>+</sup> RNA from the C666.1 NPC cell line and BART RNA was found to be mainly in the nucleus of C666.1 cells, arguing against an mRNA role for BART RNAs. In contrast, some early lytic cycle EBV mRNAs were found to be expressed in C666.1 cells. Artificially expressed A73 protein was known to be able to bind to the cellular RACK1 protein and has now also been shown to be able to regulate calcium flux, presumably via RACK1. Overall, the results support the conclusion that the miRNAs are functionally important products of BART transcription in the cell lines studied because the A73 and RPMS1 proteins could not be detected in natural EBV infections. However, because of the clear potential relevance of their biochemical functions,

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## INTR

The BART RNAs are a heterogeneously spliced group of Epstein-Barr virus (EBV) RNAs transcribed rightward from position 138 352 to 160 531 on the EBV wild-type genetic map (Sadler & Raab-Traub, 1995; Smith *et al.*, 2000; de Jesus *et al.*, 2003). BART RNAs have been detected in peripheral blood of normal EBV carriers (Chen *et al.*, 1999) and in all EBV-associated diseases that have been examined, including Burkitt's lymphoma (Tao *et al.*, 1998), gastric carcinoma (Sugiura *et al.*, 1996), salivary gland carcinomas (Raab-Traub *et al.*, 1991), oral hairy leukoplakia (Webster-Cyriaque & Raab-Traub, 1998), nasal natural killer and T cell lymphomas (Chiang *et al.*, 1996; van Gorp *et al.*, 1996), Hodgkin's lymphoma (Deacon *et al.*, 1993) and hepatocellular carcinomas (Sugawara *et al.*, 1999). Most of the viral micro RNAs (miRNAs) that are expressed in EBV latent infections are derived from the BART RNAs (Chen *et al.*, 2006; Griffiths-Jones *et al.*, 2006; Grundhoff *et al.*, 2006; Pfeffer *et al.*, 2004). The BART miRNAs are thought to be derived mainly from introns prior to splicing of the BART primary transcripts (Edwards *et al.*, 2008). Few functional targets have yet been identified for the EBV miRNAs but there is evidence that miR BART2 can regulate the EBV DNA polymerase gene (Barth *et al.*, 2008) and miR BART 1-5p and 17-5p can regulate EBV LMP1 (Lo *et al.*, 2007).

The BART RNAs (also known as complementary strand transcripts or BARF0 RNAs) were originally identified by analysis of cDNA libraries established from the nude-mouse-passaged nasopharyngeal carcinoma (NPC) cell line C15 (Gilligan *et al.*, 1990; Hitt *et al.*, 1989). A 4.0 kb cDNA clone (RPMS1, Smith *et al.*, 2000) containing six exons was isolated that spanned the whole BART region but many other spliced partial cDNA clones of BART RNA containing combinations of the 16 different alternate exons have been described previously (Sadler & Raab-Traub, 1995). Prior to the discovery of the EBV miRNAs, some open reading frames (ORFs) in the spliced BART cDNAs were investigated as potential protein-coding sequences, if the BARTs were acting as mRNA. We have previously studied the RPMS1 and A73 ORFs, which could be translated *in vitro*

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## A prairie dog animal model of systemic orthopoxvirus disease using West African and Congo Basin strains of monkeypox virus

Christina L. Hutson,<sup>1</sup> Victoria A. Olson,<sup>1</sup> Darin S. Carroll,<sup>1</sup> Jason A. Abel,<sup>1</sup> Christine M. Hughes,<sup>1</sup> Zachary H. Braden,<sup>1</sup> Sonja Weiss,<sup>1</sup> Joshua Self,<sup>1</sup> Jorge E. Osorio,<sup>2</sup> Paul N. Hudson,<sup>1</sup> Michael Dillon,<sup>3</sup> Kevin L. Karem,<sup>1</sup> Inger K. Damon<sup>1</sup> and Russell L. Regnery<sup>1</sup>

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<sup>2</sup>Department of Pathobiological Sciences, School of Veterinary Medicine, University of Wisconsin, Madison, WI 53706, USA

<sup>3</sup>Centers for Disease Control and Prevention, MS G-12, 1600 Clifton Road NE, Atlanta, GA 30333, USA

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### INTRODUCTION

Monkeypox is a zoonotic disease causing febrile rash illness in humans with a presentation similar to smallpox. Since eradication of variola virus (the causative agent of smallpox), monkey pox virus (MPXV) has emerged as the most significant public health threat in the genus *Orthopoxvirus*. As evidenced by the USA 2003 outbreak, MPXV is considered potentially problematic beyond its endemic African range. Variola virus was an exclusively human pathogen, the viral-specific determinants of host range are not understood, and the human disease lacks a representative surrogate animal model. The related ortho-

poxvirus MPXV is a zoonotic agent that causes febrile rash disease with clinical presentation similar to smallpox (Breman & Henderson, 2002; Jezek *et al.*, 1987) and has been used for the study of systemic orthopoxvirus infections. In humans, MPXV and variola virus have similar asymptomatic incubation periods ranging from 7-17 days followed by development of generalized rash. However, smallpox had a much higher secondary attack rate (25-96%) than monkeypox (5-11%) (Arita & Gromyko, 1982; Fine *et al.*, 1988). Previous studies defined two distinct MPXV clades, West African and Congo Basin, with unique disease manifestations (Chen *et al.*, 2005; *et al.*, 2005). Human disease associated with West

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PubMed

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- 3) or problems with local systems (configuration of user institution's firewall, configuration of browser)
- 4) The publisher has not authorized access - mostly Band 2 countries

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**Partner publisher services**  
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- SELECT PUBLISHER -

- SELECT FREE COLLECTION -

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If you are denied access to a full-text article despite the **green** box, follow the instructions in the next slide. Note that the 'years of volumes' available are listed after the journal title.

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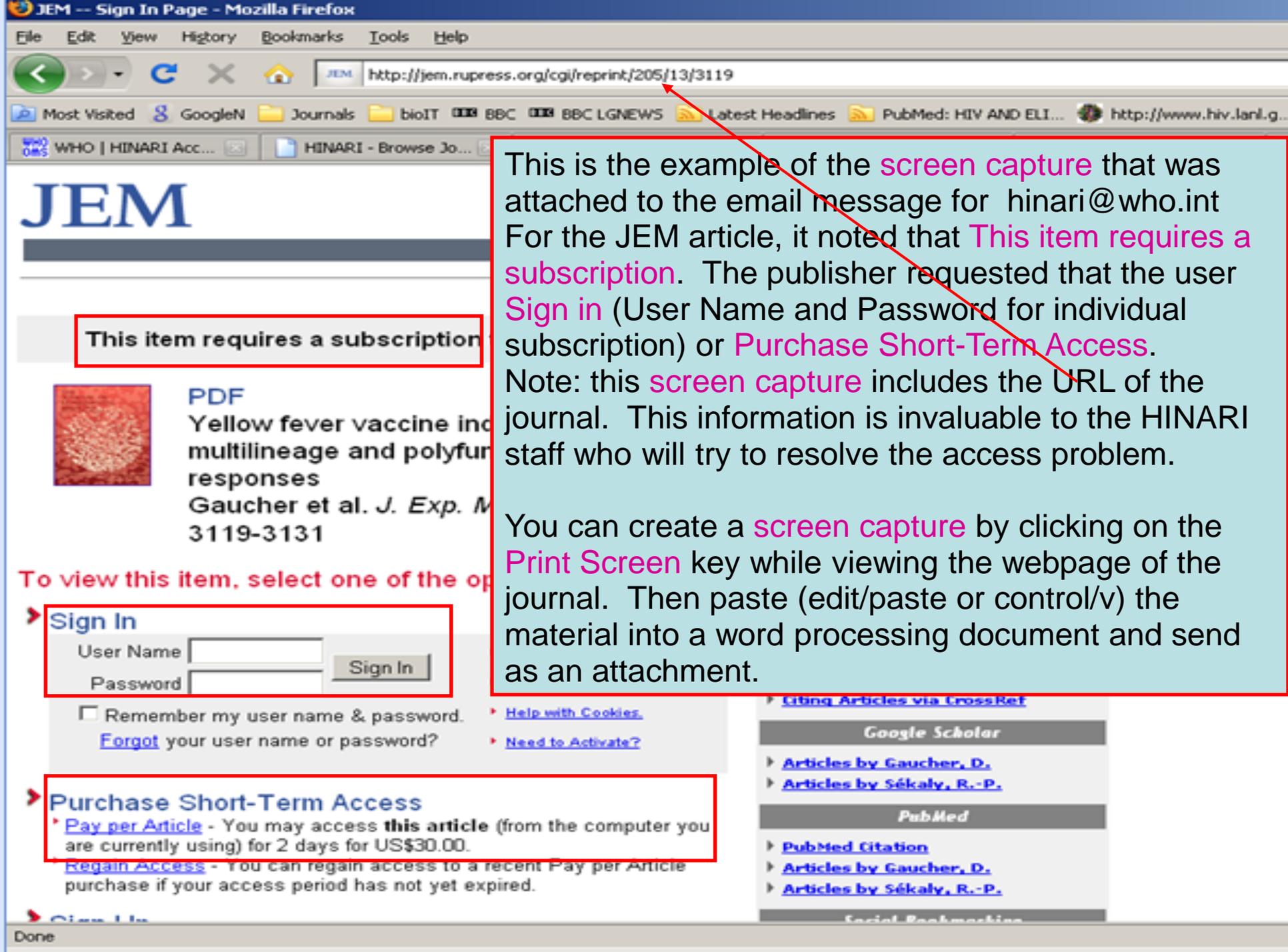
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Many thanks,  
Pietro Pala

Dr. Pietro Pala

Medical Research Council (MRC)  
Uganda Virus Research Institute  
P.O. Box 49, Entebbe, Uganda

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- Journal of Epilepsy and Clinical Neurophysiology (Directory of Open Access Journals) v. 7:4 (2001) - current issue
- Journal of Equine Veterinary Science (Elsevier) v. 2 (1982) - current issue
- Journal of Ethnic and Migration Studies (Taylor & Francis) v. 26 (2000) - current issue
- Journal of Ethnobiology (BioOne) v. 25 (2005) - current issue
- Journal of Ethnobiology and Ethnomedicine (BioMed Central) 2005 - current issue
- Journal of Ethnopharmacology (Elsevier) v. 59 (1998) - current issue
- Journal of Eukaryotic Microbiology (BioOne) v. 47 (2000) - v. 51 (2004)
- Journal of Eukaryotic Microbiology, The (Blackwell Publishing) v. 44 (1997) - current issue
- Journal of European Social Policy (Sage)
- Journal of European Studies (Sage Publ)
- Journal of Evaluation in Clinical Practi
- Journal of Evolutionary Biology (Blackw
- Journal of Exotic Pet Medicine (Elsevier)
- Journal of Experimental & Clinical Ass
- Journal of Experimental and Clinical A  
2004 - current issue
- Journal of Experimental Animal Scienc
- Journal of Experimental Biology (Company of Biologists) v. 172 (1992) - current issue
- Journal of Experimental Botany (Oxford University Press) v. 48:313 (1998) - current issue
- Journal of Experimental Child Psychology (Elsevier) v. 68 (1998) - current issue
- Journal of Experimental Marine Biology and Ecology (Elsevier) v. 185 (1995) - current issue
- Journal of Experimental Medicine (Rockefeller University Press) v. 1 (1896) - current issue
- Journal of Experimental Psychology: Animal Behavior Processes (American Psychological Association) v. 1 (1975) - current issue
- Journal of Experimental Psychology: Applied (American Psychological Association) v. 1 (1995) - current issue

This additional **screen capture** notes that the journal is listed on the **J** page of the **Journals by Title A-Z** list, that the requested journal issue is available and that, by the **green** box, the institution should have access to the journal.

If the HINARI authentication system had worked properly, the user would have had access to the journal article.



Find Journals:

- Select -

You are logged in.

[Find journals by title](#)

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

[View complete list of journals](#)[Search HINARI journal articles through PubMed \(Medline\)](#)  
[- More information.](#)[Find journals by subject category](#)

- SELECT A SUBJECT -

[Find journals by language of publication](#)

- SELECT A LANGUAGE -

[Find journals by publisher](#)

- SELECT A PUBLISHER -

Note the link to find articles through [HINARI/PubMed](#). Using this option will be covered in later in the Short Course.

- SELECT PUBLISHER -

[Databases and Article searching](#)

- SELECT DATABASE / INDEX -

[Reference Sources](#)

- SELECT REFERENCE SOURCE -

[Other Free Collections](#)

- SELECT FREE COLLECTION -

Find Journals:

- Select -

Click on the link to find journals by **Subject**.  
From the drop down menu, we will select  
**Parasitology and Parasitic Diseases**.

HINARI | Register | Contact us

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

- View complete list of journals
- Search HINARI journal articles through PubMed (Medline)  
- More information.

**Find journals by subject category**

- SELECT A SUBJECT -

**Find journals by language of publication**

- SELECT A LANGUAGE -

**Find journals by publisher**

- SELECT A PUBLISHER -

**Partner publisher services**

Publishers' websites offer special services, such as personalized alerts and searching.

- SELECT PUBLISHER -

**Databases and Article searching**

- SELECT DATABASE / INDEX -

**Reference Sources**

- SELECT REFERENCE SOURCE -

**Other Free Collections**

- SELECT FREE COLLECTION -

## Find Journals by Subject

-- SELECT A SUBJECT --

### Parasitology and Parasitic Diseases

You are logged into HINARI.

The icons have the following meanings:



You have full access to this journal through HINARI.



You do not have full access to this journal through HINARI.

You have full access to these journals through HINARI

-  [Annals of Tropical Medicine and Parasitology](#) (Maney Publishing) v. 96 (2002) - current issue
-  [Annals of Tropical Medicine And Parasitology](#) (Taylor & Francis) v. 96 (2002) - current issue
-  [Antiviral Research](#) (Elsevier) v. 37 (1998) - current issue
-  [Boletín chileno de parasitología](#) (SciELO (Chile)) v. 54 (1999) - current issue
-  [Comparative Parasitology](#) (BioOne) v. 69 (2002) - current issue
-  [Experimental & Applied Acarology](#) (Springer) v. 1 (1985) - current issue
-  [Experimental Parasitology](#) (Elsevier) v. 88 (1998) - current issue
-  [International Journal for Parasitology](#) (Elsevier) v. 28 (1998) - current issue
-  [Journal of Helminthology](#) (Cambridge University Press) v. 73 (2000) - current issue
-  [Journal of Parasitology](#) (BioOne) v. 86 (2000) - current issue
-  [Memórias do Instituto Oswaldo Cruz](#) (Bioline International) v. 96 (2001) - current issue
-  [Molecular and Biochemical Parasitology](#) (Elsevier) v. 91 (2000) - current issue
-  [Parasite Immunology](#) (Blackwell Publishing) v. 19 (1997) - current issue
-  [Parasitología al día](#) (SciELO (Chile)) v. 21:3 (1997) - v. 25 (2002) - current issue
-  [Parasitología Latinoamericana](#) (SciELO (Chile)) v. 57 (2002) - current issue
-  [Parasitology](#) (Cambridge University Press) v. 114 (1997) - current issue
-  [Parasitology International](#) (Elsevier) v. 46 (1997) - current issue
-  [Parasitology Research](#) (Springer) v. 1 (1928) - current issue
-  [Parasitology Today](#) (Elsevier) v. 11 (1995) - current issue
-  [Systematic Parasitology](#) (Springer) v. 1 (1979) - current issue
-  [Trends in Parasitology](#) (Elsevier) v. 17 (2001) - current issue
-  [Veterinary Parasitology](#) (Elsevier) v. 56 (1995) - current issue
-  [Viral Immunology](#) (Mary Ann Liebert, Inc.) v. 13:3 (2000) - current issue

An alphabetical list of **Parasitology and Parasitic Diseases** journals is now displayed with links to the journal websites. Click on the title *Trends in Parasitology*

After the title of the journal, the available volumes/issues are listed.



SCIENCE @ DIRECT

Register or Login: user name Password: Go

- Home Search Journals Books Abstract Databases My Profile Alerts Help

Quick Search: within This Journal Go Search Tips

# Trends in Parasitology

Copyright © 2005 Elsevier Ltd. All rights reserved. Bookmark this page as: http://www.sciencedirect.com/science/journal/14714922

Formerly known as Parasitology Today

[icon] = subscribed [icon] = non-subscribed [icon] = complimentary

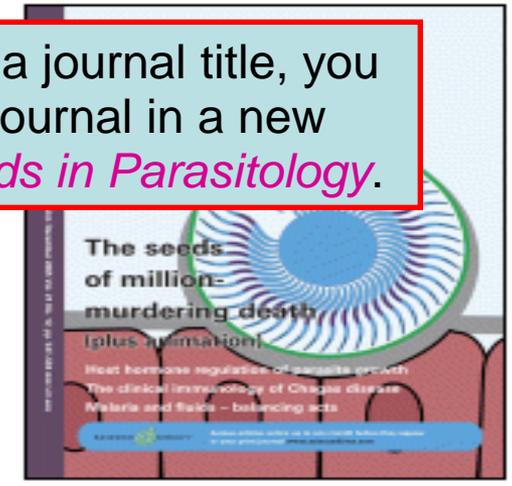
## Articles in Press

### Volume 21

- Volume 21, Issue 12, Page 547 (December 2005)
- Volume 21, Issue 11, Pages 483-546 (November 2005) 21 years following trends in parasitology
- Volume 21, Issue 10, Pages 439-482 (October 2005)
- Volume 21, Issue 9, Pages 393-438 (September 2005)

Alert me when new Journal Issues are available Add this journal to My Favorite Journals Submit Tips

By clicking on a journal title, you will open the journal in a new window: Trends in Parasitology.



Find Journals:

- Select -

Home | About HINARI | **Journals** | Using HINARI | Register | Contact us

You are logged in.

- Find journals by title

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

- View complete list of journals

- Search HINARI journal articles through
  - More information.

- Find journals by subject category

Internal Medicine

- Find journals by language of publication

- SELECT A LANGUAGE -

- Find journals by publisher

- SELECT A PUBLISHER -

- SELECT A PUBLISHER -

**You have full access to:**

Academic Journals  
 Academy of Sciences for the Developing World (TWAS).  
 Adis, a Wolters Kluwer business  
 African Field Epidemiology Network  
 Ahwaz Jundishapur University of Medical Sciences  
 Akadémiai Kiadó  
 Al Ameen Medical College  
 AlphaMed Press  
 AMALTEA Medical Publishing House  
 American Academy of Family Physicians  
 American Academy of Orthopaedic Surgeons  
 American Academy of Pediatrics  
 American Anthropological Association  
 American Association for Cancer Research

### Partner publisher services

Publishers' websites offer special services, such as personalized alerts and searching.

- SELECT PUBLISHER -

To Find journals by publisher, click on the drop down menu. This is different than the Partner publishers services where users enter the publisher's portals.

- SELECT REFERENCE SOURCE -

### Free Collections

- SELECT FREE COLLECTION -

reserved

We can also access full text resources from **Partner publishers' services** websites by selecting from dropdown menu (to be discussed in the next section).

Français

You are logged in.

Find journals by title

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

View complete list of journals

Search HINARI journal articles through PubMed (Medline) - More information.

Find journals by subject category

- SELECT A SUBJECT -

Find journals by language of publication

- SELECT A LANGUAGE -

Find journals by publisher

- SELECT A PUBLISHER -

Partner publisher services

Publishers' websites offer special services, such as personalized alerts and searching.

- SELECT PUBLISHER -

- SELECT PUBLISHER -

You have full access to:

- Elsevier Science - ScienceDirect
- Lippincott Williams & Wilkins
- Nature Publishing Group
- Oxford University Press
- Science
- Springer Link
- Wiley-Blackwell

- SELECT REFERENCE SOURCE -

Other Free Collections

- SELECT FREE COLLECTION -

File Edit View History Bookmarks Tools Help

http://hinari-gw.who.int/whalecomextranet.who.int/whalecom0/hinari/e

Google

Mozilla Firefox GatorMail WebMail - V... GatorMail WebMail - F... Maps http://image.weather... Address Book Getting Started

There are a number of **Databases and (Bibliographic) Indexes**, these can be accessed from the list on the right-hand side of the website. These include regional indexes from the World Health Organization.

ACCESS TO RESEARCH

-- Select --

Home About HINARI Journals Using HINARI Register Contact us

You must **LOGIN** in order to be able to access the full text of the journal articles.

All users may browse journal abstracts without login. *You may still have full-text access through the HINARI website, if your institutions subscribe to the journals.*

- Find journals by title

ABCDEFGHIJKLMNOPQRSTUVWXYZ

- View complete list of journals
- Search HINARI journal articles through PubMed (Medline)
- Find journals by subject category

-- SELECT A SUBJECT --

- Find journals by language of publication

-- SELECT A LANGUAGE --

- Find journals by publisher

-- SELECT A PUBLISHER --

**Partner publisher services**

Publishers' websites offer special services, such as personalized alerts and searching.

-- SELECT PUBLISHER --

**Databases and Indexes**

AIM (African Index Medicus)

-- SELECT DATABASE / INDEX --

- AIDS Abstracts
- AIM (African Index Medicus)
- CINAHL
- Environment Index
- IMEMR (Index Medicus for the WHO Eastern Mediterranean Region)
- IMSEAR (Index Medicus for South-East Asia Region)
- LILACS (Latin Am. & Carib. Center on Health Sci Info)
- Popline
- Web Citation Index

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You are logged in.

- Find journals by title

A B C D E F G H I J K L M N O P Q R S

- View complete list of journals
- Search HINARI journal articles through PubMed - More information.

- Find journals by subject category

-- SELECT A SUBJECT --

- Find journals by language of publication

-- SELECT A LANGUAGE --

- Find journals by publisher

-- SELECT A PUBLISHER --

### Partner publisher services

Publishers' websites offer special services, such as

HINARI also has numerous **Reference Sources** that can be accessed from HINARI. Many of these contain full-text information on a variety of topics.

### Reference Sources

-- SELECT REFERENCE SOURCE --

-- SELECT REFERENCE SOURCE --

#### You have full access to:

- AAP Policy
- American Psychiatric Association Practice Guidelines for the Treatment of Psychiatric Disorders
- American Psychiatric Publishing Textbook of Geriatric Psychiatry, Fourth Edition
- American Psychiatric Publishing Textbook of Psychiatry, Fifth Edition
- American Psychiatric Publishing Textbook of Psychopharmacology, Fourth Edition
- American Psychiatric Publishing Textbook of Substance Abuse Treatment, Fourth Edition
- AuthorMapper (Springer)
- Biblioteca Cochrane Plus
- Bloodmed
- BMJ Learning
- BNF for Children
- British National Formulary
- Clinical Evidence
- Cochrane Library
- Conference Archives - American Diabetes Association
- Diagnostic and Statistical Manual of Mental Disorders, Fourth Edition, Text Revision (DSM-IV-TR)
- DSM-IV-TR Casebook: A Learning Companion to the Diagnostic and Statistical Manual of Mental Disorder
- DSM-IV-TR Handbook of Differential Diagnosis

You are logged in.

Find journals by title

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

View complete list of journals

Search HINARI journal articles through PubMed (Medline) - More information.

Find journals by subject category

-- SELECT A SUBJECT --

Find journals by language of publication

-- SELECT A LANGUAGE --

Find journals by publisher

-- SELECT A PUBLISHER --

Partner publisher services

Publishers' websites offer special services, such as personalized alerts and searching.

-- SELECT PUBLISHER --

Databases and Article searching

-- SELECT DATABASE / INDEX --

Reference Sources

EndnoteWeb

Other Free Collections

-- SELECT FREE COLLECTION --

- SELECT FREE COLLECTION --
- Bioline International
- BioMed Central
- Directory of Open Access Journals
- Free Books for Doctors
- Free Medical Journals
- Free Online Journals in Veterinary Medicine
- Global Health Delivery Online Articles
- Highwire Free Backfiles
- Highwire Free to Developing Economies
- J-Stage
- National Academies Press
- Open J-Gate
- OpenJournals Publishing
- Public Library of Science
- PubMed Central
- SciELO
- \* WHO Medicines Bookshelf

From the **Other Free Collections** drop down menu, you are able to access other websites with useful and relevant full-text information particularly e-journals. You do not need to be logged into HINARI.

# Exercises 3-4

---

Complete exercises 3-4 in the workbook.

# Partner Publishers' Websites

From the **Partner publisher services** dropdown menu, click on the **Elsevier Science - Science Direct** website.

Note that this 'drop down menu' only contains the major HINARI participating publishers. For a list of complete list of publishers and journals, go to the **Find journals by publisher** list on the left side of the page.

The screenshot shows the HINARI website interface. At the top, there are language options: English, Español, and Français. Below that are links for Register and Contact us. The main content area features a section titled "Partner publisher services" with a dropdown menu for selecting a publisher. The dropdown menu is open, showing a list of publishers: Elsevier Science - ScienceDirect, Lippincott Williams & Wilkins, Nature Publishing Group, Oxford University Press, Science, Springer Link, and Wiley-Blackwell. Below the publisher list is another dropdown menu for selecting a reference source. At the bottom of the page, there is a section for "Other Free Collections" with a dropdown menu for selecting a free collection. The footer contains a Privacy Policy link and copyright information for the World Health Organization 2006.



Articles  All fields  Author   
Images  Journal/Book title  Volume

**Browse** 10,495,733 Articles

**Browse by title**

A|B|C|D|E|F|G|H|I|J|K|L|M|N|O  
|P|Q|R|S|T|U|V|W|X|Y|Z|0-9

**Browse by subject**

- Physical Sciences and Engineering**
  - Chemical Engineering
  - Chemistry
  - Computer Science
  - Earth and Planetary Sciences
  - Energy
  - Engineering
  - Materials Science
  - Mathematics
  - Physics and Astronomy
- Life Sciences**
  - Agricultural and Biological Sciences
  - Biochemistry, Genetics and Molecular Biology
  - Environmental Science
  - Immunology and Microbiology
  - Neuroscience
- Health Sciences**
  - Medicine and Dentistry
  - Nursing and Health Professions
  - Pharmacology, Toxicology and...

Updated on November 1st!

# Top 25 Ho

**Quick Links**

**Favorite Journals / Books**

♥ [Manage Favorites](#)

You need to be [logged in](#) to customize and use Favorite Journals/Books.

**Quick Links in ScienceDirect**

- Alerts
- Recall Saved Searches
- Top-25 articles in my subject area
- ScienceDirect Info site

**Quick Links on the Web**

- Add to my Quick Links
  - Submit an article
  - SCOPUS - database of research literature
  - Scirus - science-specific search engine
  - Elsevier
  - SciTopics - research summaries by

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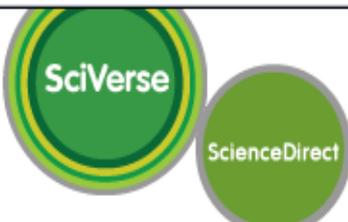
The [SciVerse ScienceDirect Info site](#) has all the information you need to help you make the most of ScienceDirect.

**Find out more about:**

- Switching on Recent Actions

When we open a **Partners publisher services** resource, a new window will open. We should now be authenticated at the new site. We have chosen **ScienceDirect**.

This is the initial page of the website. From here, we can locate articles or journal titles, browse by subject, and receive alerts.



Articles  All fields  Author

Images  Journal/Book title  Volume  Issue  Page

[Advanced search](#)

[? Search tips](#)

**Browse** 10,495,733 Articles

**Browse by title**

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O  
 | P | Q | R | S | T | U | V | W | X | Y | Z | 0-9

**Browse by subject**

- Physical Sciences and Engineering**
  - ♦ Chemical Engineering
  - ♦ Chemistry
  - ♦ Computer Science
  - ♦ Earth and Planetary Sciences
  - ♦ Energy
  - ♦ Engineering
  - ♦ Materials Science
  - ♦ Mathematics
  - ♦ Physics and Astronomy
- Life Sciences**
  - ♦ Agricultural and Biological Sciences
  - ♦ Biochemistry, Genetics and Molecular Biology
  - ♦ Environmental Science
  - ♦ Immunology and Microbiology
  - ♦ Neuroscience
- Health Sciences**
  - ♦ Medicine and Dentistry
  - ♦ Nursing and Health Professions
  - ♦ Pharmacology, Toxicology and...

Updated on November 1st!

**Top 25 Hottest Articles** Go

- News**
- ♦ SciVerse ScienceDirect is further enhanced. [Find out more...](#)
  - ♦ SciVerse iPhone Applications for Scopus and ScienceDirect free on iTunes. [Find out more...](#)
  - ♦ ScienceDirect partners with NextBio to accelerate scientific discovery. [Find out more...](#)

**Quick Links**

**Favorite Journals/Books**

[Manage Favorites](#)

You need to be logged in to use Favorites.

Via the **Search Science Direct** option, you can be locate articles by **Author, Journal/book title, Volume & Issue** and **keywords** (all fields).

You also can **Browse by title** and broad **subjects** in the left column.

The website also is a database of articles. In Science Direct, there are over 10,400,000 full text articles.

Elsevier  
 SciTopics - research summaries by

**Find out more about:**

- ♦ Switching on Recent Actions

Articles  All fields  Author   
Images  Journal/Book title  Volume  Issue  Page

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Search

tuberculosis in All Fields

AND

HIV in All Fields

Include

Journals  All Books

Source

All sources

Subject (select one or more)

- All Sciences -
- Agricultural and Biological Sciences
- Arts and Humanities
- Biochemistry, Genetics and Molecular Biology

Date Range

All Years  2000 to: Present

| Recall search

In Advanced Search, ScienceDirect allows us to search across All Sources, Journals, Books and Images within the Elsevier Science collection.

In this example, we have entered *tuberculosis AND HIV* in the All Journals and All Sciences and All Years boxes and click on the Search button.

For quick access, place your bookmarks here in the bookmarks bar.



- Librarians
- Info, Lists & Links
- Search
- Browse

Home » Librarians » Info, Lists & Links

### INFO, LISTS & LINKS

Many publishers who work with us allow access to their content without a subscription. Take a look at a list of publications which offer:

#### **FREE** Free full-text content

Titles offering free back issues, trials or entirely free sites

#### **FREE** access to developing economies

Titles offering free access to readers in low income countries via optional programs at HighWire, HINARI, AGORA, etc

#### **PPV** Pay-per-view access

Titles which offer individual articles or time limited access for a fee

This is the **HighWire Press** initial page. From this site, we can locate articles or journal titles or subjects and set up an email alert.

The **Free Access to Developing Economies** link is located on the initial page. Also of interest is the **Free full-text content** link.

There is a link to both pages in the **Other Free Collections** drop down menu on HINARI's **Full-text Journals, databases and other resources** page.

### HighWire by the numbers

- Publications: 1279
- Articles: 6,142,514
- Free full-text articles: 1,958,336
- Article counts, detail by publication

Look up URL, ISSN, frequency of publications, DOI prefix numbers, subscription links, and much more

#### List of publications with RSS feeds:

- Most recent sites or titles launched on HighWire
- Upcoming sites or titles on HighWire

Note: You can access the **HighWire Press** full text articles since this publisher identifies computer (IP) addresses from eligible countries. This is the **ONLY** exception to not needing to use your institution's User Name and Password.

http://highwire.stanford.edu/lists/devecon.dtl

For quick access, place your bookmarks here in the bookmarks bar.

Other bookmarks

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HighWire  
Stanford University

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FOR PUBLISHERS

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Info, Lists & Links

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Browse

as of 11/27/2009:

## Free Access to Developing Economies

(List limited to journals published online with the assistance of HighWire Press)

The following journals offer free online access to developing economies, based on either programs such as HINARI or AGORA, or on a HighWire-based program offering access to countries appearing in the World Bank's list of "low income economies," plus Angola, Armenia, Azerbaijan, Djibouti, Georgia, Indonesia, Turkmenistan, and Ukraine. Individual publishers use the list from the World Bank as a guideline for determining their policies, so some variation in access per publisher does occur. **You do not need to sign up for this service as our software automatically detects the country you are connecting from and grants access accordingly.** To request that a journal be added to this list, please contact the journal's publisher directly via their 'Feedback' button -- do not contact HighWire Press.

- AAP Grand Rounds
- AAP News
- Academic Psychiatry
- Acta Biochimica et Biophysica Sinica
- Adaptation
- Advances in Physiology Education
- Advances in Psychiatric Treatment
- African Affairs
- Age and Ageing
- Alcohol and Alcoholism
- American Journal of Agricultural Economics
- American Journal of Audiology
- American Journal of Botany
- American Journal of Epidemiology
- American Journal of Neuroradiology
- American Journal Of Pathology
- American Journal of Psychiatry

You now have entered the **Free Access to Developing Economies** list of **HighWire Press**.

As noted, the access is based on the computer's IP Address and you can go directly to the site using the **url**.



- Librarians
- Info, Lists & Links
- Search
- Browse

as of 11/28/09:

## Free Online Full-text Articles

(List limited to journals published online with the assistance of HighWire Press is the largest archive of free full-text scientific online publication of **1,958,464 free full-text articles** and 6,142,789 total articles. There are 10 sites with free trial periods, and 46 completely free sites. 281 sites have free back issues, and 1187 sites have pay per view!

	Free back issues	Free trial period
AACR Education Book	free site	
AACR Meeting Abstracts	free site	
AAP Policy	free site	
Academic Psychiatry	all articles after 12 months back to 1 Jan 1997	
Advances in Dental Research	all articles after 12 months	
Advances in Physiology Education	free site	
Advances in Psychiatric Treatment	all articles 1 Jan 1994 - 31 Dec 2007	
Age and Ageing	all articles after 12 months back to 1 Jan 1996	
Agronomy Journal	all articles after 18 months back to 1 Jul 1999	
Alcohol and Alcoholism	all articles after 12 months back to 1 Jan 1996	
American Heart Association Journals	all articles after 12 months	

Within **HighWire Press**, we have entered the **Free Online Full-Text Articles** page.

Note that some journals are a free site and others have free articles after a set period of time.

The HINARI eligible country access is a different mix of titles.



Advertisement

JAMA & ARCHIVES Select Journal or Resource

# JAMA<sup>®</sup>

The Journal of the American Medical Association

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Institution: HINARI | My Account | E-mail Alerts

- HOME
- CURRENT ISSUE
- PAST ISSUES
- TOPIC COLLECTIONS
- CME
- SUBMIT
- SUBSCRIBE
- HELP
- INFORMATION FOR: Author

Vol. 299 No. 23, pp. 2715-2814, June 18, 2008

< PREVIOUS

## Table of Contents

Jump to Section

GET CHECKED ABSTRACTS

### This Week in JAMA

**This Week in JAMA**  
 JAMA. 2008;299(23):2715.  
[FULL TEXT](#) | [PDF](#)

### Original Contributions

**Examining a Bidirectional Association Between Diabetes and Cardiovascular Disease**  
 Sherita Hill Golden; Mariana Lazo; J. Schreiner; Ana V. Diez Roux; Howard D. Sesso  
 JAMA. 2008;299(23):2751-2759.  
[ABSTRACT](#) | [FULL TEXT](#) | [PDF](#) | [JAMA REPORT VIDEO](#) | [AUTHOR IN THE ROOM](#) | [TELECONFERENCE](#)

We have accessed the **table of contents** page of an issue of **JAMA** with **Abstract, Full Text (HTML)** and **PDF** options to specific articles.

### Preliminary Communications

**Prostate Cancer-Specific Survival Following Salvage Radiotherapy vs Observation in Men With Biochemical Recurrence After Radical Prostatectomy**  
 Bruce J. Trock; Misop Han; Stephen J. Freedland; Elizabeth B. Humphreys; Theodore L. DeWeese; Alan W. Partin; Patrick C. Walsh  
 JAMA. 2008;299(23):2760-2769.  
[ABSTRACT](#) | [FULL TEXT](#) | [PDF](#)

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INTERNATIONAL CONGRESS ON PEER REVIEW AND BIOMEDICAL PUBLICATION

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Enter password  
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FORGOTTEN PASSWORD ?  
INSTITUTIONAL LOGIN >

WILEY ENABLES DISCOVERY  
Share knowledge across disciplines, professions and borders



SEARCH  
[Search Input]  
All content Publication titles  
Advanced search Saved search

- BROWSE
- Agriculture, Aquaculture & Food Science
  - Architecture & Planning
  - Art & Applied Arts
  - Business, Economics, Finance & Accounting
  - Computer Science & Information Technology
  - Earth & Environment
  - Humanities

- General & Introductory Medical Science
- Basic Medical Sciences
- Allergy & Clinical Immunology
- Anaesthesia & Pain Management
- Cardiovascular Disease
- Cellular & Molecular Medicine
- Dermatology
- Emergency Medicine
- Nephrology
- Neurology
- Obstetrics & Gynecology
- Oncology & Radiotherapy
- Ophthalmology & Optometry
- Pathology
- Pediatrics
- Pharmacology & Pharmaceutical Medicine
- Urology

- PUBLICATIONS A - Z
- A B C D E F G H I J K L M N O P  
Q R S T U V W X Y Z 0-9

In the **Medical, Veterinary and Health Sciences** category, you can **Browse By Category** or **Publication Titles** and keyword **Search** options.

- Nursing, Dentistry & Healthcare
- Physical Sciences & Engineering
- Social & Behavioral Sciences
- Veterinary Medicine

- Hepatology
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# Exercises 5–7

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Complete exercises 5-7 in the workbook.

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malaria infections AND Africa

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malaria infections and Africa

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[Indoor residual spraying for preventing malaria.](#)

1. Pluess B, Tanser FC, Lengeler C, Sharp BL.  
Cochrane Database Syst Rev. 2010 Apr 14;4:CD006657.  
PMID: 20393950 [PubMed - in process]

[Two Nonrecombining Sympatric Forms of the Human Malaria Parasite Plasmodium ovale Occur Globally.](#)

2. Sutherland CJ, Tanomsing N, Nolder D, Oguike M, Jennison C, Pukrittayakamee S, Dolecek C, Hien TT, do Rosário VE, Arez AP, Pinto J, Michon P, Escalante AA, Nosten F, Burke M, Lee R, Blaze M, Otto TD, Barnwell JW, Pain A, Williams J, White NJ, Day NP, Snounou G, Lockhart PJ, Chiodini PL, Imwong M, Polley SD.  
J Infect Dis. 2010 Mar 31. [Epub ahead of print]  
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3. Nadjm B, Amos B, Mtove G, Oste Crump JA, Whitty CJ, Reyburn H.  
BMJ. 2010 Mar 30;340:c1350. doi: 10.1136/bmj.c1350.  
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[Daily co-trimoxazole prophylaxis and antiretroviral therapy: an observational study.](#)

4. Walker AS, Ford D, Gilks CF, Murrison AC, Babiker AG.  
Lancet. 2010 Apr 10;375(9722):1278-83.  
PMID: 20347483 [PubMed - in process]

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[Low birth weight and fetal anaemia in Malawi.](#)

5. Kalanda B, Verhoeff F, le Cessie S, Brabin J.  
Malawi Med J. 2009 Jun;21(2):69-74.  
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- ▶ *Plasmodium falciparum* multiple infections, d[*Travel Med Infect Dis*. 2008]
- ▶ Co-trimoxazole in Malawi

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Of the **3562** articles, **1471** are available via the **HINARI** filter and **1091** with **Free full text** filter ( there are some overlaps).

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and outcomes, with higher rates of miscarriage, intrauterine demise, premature delivery, low birth weight neonates, and neonatal death. They are also at a higher risk for severe anemia and maternal death. Malaria can be prevented with appropriate drugs, bed nets treated with insecticide, and effective educational outreach programs.

PMID: 19826576 [PubMed - in process]

PMCID: 2760896

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PLoS One. 2009;4(10):e7412.

## 2. Identification of Plasmodium malariae, a human malaria parasite, in imported chimpanzees.

Hayakawa T, Arisue N, Udono T, Hirai H, Sattabongkot J, Toyama T, Tsuboi T, Horii T, Tanabe K.

Laboratory of Malariology, International Research Center of Infectious Diseases, Research Institute for Microbial Diseases, Osaka University, Suita, Osaka, Japan. hayakawa@biken.osaka-u.ac.jp

It is widely believed that human malaria parasites observations suggest that great apes are likely to apes, we screened 60 chimpanzees imported into mitochondrial genome, we identified infection of P chimpanzees that were imported about thirty years Japan, indigenous malaria disappeared more than chimpanzees were infected in Africa, and P. malariae suggesting persistence of parasites at low level for P. malariae infection in humans. To our knowledge human malaria parasite from nonhuman primates imported to a nonendemic country.

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By clicking on the **HINARI** icon for the second citation listed, we can access the full-text article.

2. **Bottlenecks for high coverage of intermittent preventive treatment in pregnancy: the case of adolescent pregnancies in rural Burkina Faso.**

Grietens KP, Gies S, Coulibaly SO, Ky C, Somda J, Toomer E, Muela Ribera J, D'Alessandro U.

Prince Leopold Institute for Tropical Medicine, Antwerp, Belgium. kpeeters@itg.be

**Abstract**

**BACKGROUND:** While IPTp-SP is the required >or=2 doses of SP re to mention of the recently advocate

**METHODS:** The study triangulates on IPTp-SP effectiveness and the focused ethnography.

**FINDINGS:** In rural Burkina Faso, d primigravidae (PG) (OR 2.44 95% SP, adolescents adhered to the re

than adults (PG: 61.9%; SG 54.9%) and had lower SP uptake during the malaria transmission season, further showing the difficulty of reaching this age group. Adolescents' structural constraints (such as their social position and household labor requirements) and needs (such as anonymity in the health encounter) leave them highly vulnerable during their pregnancies and, especially, during the high malaria transmission season.

**CONCLUSION:** Our study shows that adolescents need to be targeted specifically, prior to their first pregnancy and with measures adapted to their social context, addressing their structural constraints and needs and going beyond standard health promotion campaigns. Unless such specific measures are taken, adolescents' social vulnerability will present a serious bottleneck for the effectiveness of IPTi-SP.

PMID: 20700460 [PubMed - in process] PMID: PMC2917368 Free PMC Article

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 Cochrane Database Syst Rev. 2010 Apr 14;4:CD006657.  
 PMID: 20393950 [PubMed - in process]

2. [Two Nonrecombining Sympatric Forms of the Human Malaria Parasite \*Plasmodium falciparum\* in West Africa.](#)  
 Sutherland CJ, Tanomsing N, Nolder D, Oguike M, Jennison C, AP, Pinto J, Michon P, Escalante AA, Nosten F, Burke M, Lee R, Day NP, Snounou G, Lockhart PJ, Chiodini PL, Imwong M, Polley J Infect Dis. 2010 Mar 31. [Epub ahead of print]  
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 Lancet. 2010 Apr 10;375(9722):1278-86. Epub 2010 Mar 27.  
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4. [Daily co-trimoxazole prophylaxis in severely immunosuppressed HIV-infected adults in Africa started on combination antiretroviral therapy: an observational analysis of the DART cohort](#) Walker AS, Ford D, Gilks CF, Munderi P, Ssali F, Reid A, Katabira E, Grosskurth H, Muganyizi P, Hakim J, Darbyshire JH, Gibb DM, Babiker AG. [Related citations](#)

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Cochrane Database Syst Rev. 2010 Apr 14;4:CD006657.

1. **Indoor residual spraying for preventing malaria.**

Pluess B, Tanser FC, Lengeler C, Sharp BL.

Public Health and Epidemiology, Swiss Tropical and Public Health Institute, Basel, Switzerland, 4002.

**Abstract**

BACKGROUND: Primary malaria prevention on a large scale depends on two vector control interventions: indoor residual spraying (IRS) and insecticide-treated mosquito nets (ITNs). Historically, IRS has reduced malaria transmission in many settings in the world, but the health effects of IRS have never been properly quantified. This is important, and will help compare IRS with other vector control interventions.

OBJECTIVES: To quantify the impact of IRS alone, and to compare the relative impacts of IRS and ITNs, on key malariological parameters. SEARCH STRATEGY: We searched the Cochrane Infectious Diseases

Group Specialized Register (September 2

(1966 to September 2009), EMBASE (197

(September 2009), reference lists, and co

organizations, and manufacturers of insect

controlled trials (RCTs), controlled before-

compared to no IRS or ITNs. Studies exam

the general population, or using insecticid

Organization (WHO) were excluded. DATA COLLECTION AND ANALYSIS: Two authors independently

reviewed trials for inclusion. Two authors extracted data, assessed risk of bias and analysed the data.

Where possible, we adjusted confidence intervals (CIs) for clustering. Studies were grouped into those

comparing IRS with no IRS, and IRS compared with ITNs, and then stratified by malaria endemicity. MAIN

RESULTS: IRS versus no IRS stable malaria (entomological inoculation rate (EIR) > 1): In one RCT in

Tanzania IRS reduced re-infection with malaria parasites detected by active surveillance in children

following treatment; protective efficacy (PE) 54%. In the same setting, malaria case incidence assessed by

passive surveillance was marginally reduced in children aged one to five years; PE 14%, but not in children

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they also show that the risk of malaria transmission is highly heterogeneous in the highland area. The results provide strong support for targeted malaria-control interventions.

PMID: 19476434 [PubMed - indexed for MEDLINE]

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indoor residual spraying (IRS) and insecticide-treated mosquito nets (ITNs). Historically, IRS has reduced malaria transmission in many settings in the world, but the health effects of IRS have never been properly quantified. This is important, and will help compare IRS with other vector control interventions.

OBJECTIVES: To quantify the impact of IRS alone, and to compare the relative impacts of IRS and ITNs, on key malariological parameters. SEARCH STRATEGY: We searched the Cochrane Infectious Diseases Group Specialized Register (September 2009), CENTRAL (The Cochrane Library 2009, Issue 3), MEDLINE (1966 to September 2009), EMBASE (1974 to September 2009), LILACS (1982 to September 2009), mRCT (September 2009), reference lists, and conference abstracts.

organizations, and manufacturers of insecticides (June 2009). RESULTS: We identified 10 controlled trials (RCTs), controlled before-and-after studies, and 10 uncontrolled studies compared to no IRS or ITNs. Studies examining the impact of IRS on the general population, or using insecticides and dosages were excluded. Organization (WHO) were excluded. DATA COLLECTION AND ANALYSIS: We reviewed trials for inclusion. Two authors extracted data, and compared them. Where possible, we adjusted confidence intervals (CIs) for clustering. Studies were grouped into those comparing IRS with no IRS, and IRS compared with ITNs, and then stratified by malaria endemicity. MAIN RESULTS: IRS versus no IRS Stable malaria (entomological inoculation rate (EIR) > 1): In one RCT in Tanzania IRS reduced re-infection with malaria parasites detected by active surveillance in children following treatment; protective efficacy (PE) 54%. In the same setting, malaria case incidence assessed by passive surveillance was marginally reduced in children aged one to five years; PE 14%, but not in children

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AB - The ability of natural killer (NK) cells to produce gamma interferon (IFN-gamma) after ex vivo stimulation with crude schizont lysate of Plasmodium falciparum was studied in uninfected and P. falciparum-infected pregnant Gabonese women segregated according to the gravidity at the time of delivery. This activity was measured in purified NK cells as well as in whole blood from the periphery and cord. Crude schizont lysate-stimulated NK cells from primiparous women produced significantly more IFN-gamma than those from multiparous women (P<0.001). Women with malaria infection produced more IFN-gamma than negative women in peripheral blood (P<0.001) indicating that immunological determinants regulating the susceptibility to malaria in pregnant women are parasite-specific. These findings reveal that NK cells are major source of IFN-gamma when exposed to P. falciparum antigens in vitro in absence of any other co-stimulant.

AD - Departement de Parasitologie, Mycologie, Medecine Tropicale, Universite des Sciences de la Sante, Libreville, Gabon.

FAU - Bouyou-Akotet, Marielle K

AU - Bouyou-Akotet MK

FAU - Mavoungou, Elie

AU - Mavoungou E

LA - eng

PT - Journal Article

PT - Research Support, Non-U.S. Gov't

DEP - 20090803

PL - United States

TA - Exp Parasitol

JT - Experimental parasitology

JID - 0370713

RN - 82115-62-6 (Interferon-gamma)

SB - IM

MH - Adolescent

MH - Adult

MH - Animals

MH - Female

MH - Fetal Blood/cytology/immunology

MH - Gabon

MH - Gravidity

MH - Humans

MH - Infant, Newborn

MH - Interferon-gamma/\*analysis

MH - Killer Cells, Natural/\*immunology

MH - Malaria, Falciparum/blood/\*immunology

MH - Parity/immunology

MH - Plasmodium falciparum/immunology

MH - Pregnancy

MH - Pregnancy Complications, Parasitic/blood/\*immunology

MH - Young Adult

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<input type="radio"/> MEDLINE	<input type="radio"/> 100	<input type="radio"/> Journal
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("infection"[MeSH Terms] OR
"infection"[All Fields] OR
"infections"[All Fields]) AND
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indoor residual spraying (IRS) and insecticide-treated mosquito nets (ITNs). Historically, IRS has reduced malaria transmission in many settings in the world, but the health effects of IRS have never been properly quantified. This is important, and will help compare IRS with other vector control interventions.

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(1966 to September 2009), EMBASE (September 2009), and other databases. We included randomized controlled trials comparing IRS with no IRS, and IRS compared with ITNs, in the general population. We excluded studies published by the World Health Organization (WHO) that were not peer reviewed.

RESULTS: Two authors extracted data, assessed risk of bias and analysed the data. Where possible, we adjusted confidence intervals (CIs) for clustering. Studies were grouped into those comparing IRS with no IRS, and IRS compared with ITNs, and then stratified by malaria endemicity. MAIN RESULTS: IRS versus no IRS Stable malaria (entomological inoculation rate (EIR) > 1): In one RCT in Tanzania IRS reduced re-infection with malaria parasites detected by active surveillance in children following treatment; protective efficacy (PE) 54%. In the same setting, malaria case incidence assessed by

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Sacaral J, Nhacolo AQ, Sigaúque B, Nhalungo DA, Abacassamo F, Sacoor CN, Aide P, Machevo S, Nhampossa T, Macete EV, Bassat Q, David C, Bardaji A, Letang E, Saúte F, Aponte JJ, Thompson R, Alonso PL.

Centro de Investigação em Saúde da Manhica (CISM), Mozambique. jahit.sacaral@manhica.net

#### Abstract

**BACKGROUND:** Approximately 46 million of the estimated 60 million deaths that occur in the world each year take place in developing countries. Further, this mortality is highest in Sub-Saharan Africa, although causes of mortality in this region are not well documented. The objective of this study is to describe the most frequent causes of mortality in children under 15 years of age in the demographic surveillance area of the Manhica Health Research Centre.

**METHODS:** Verbal autopsy interviews for each death were reviewed independently by three physicians to determine the cause of death according to the International Classification of Diseases (ICD-10). Each physician attributed a minimum of one and a maximum of 2 causes. A final diagnosis is reached when at least two physicians agreed on the cause of death. **RESULTS:** From January 1997 to December 2006, 568,499 person-year at risk (pyrs) and 10,037 deaths were recorded in the Manhica DSS. 3,730 deaths with 246,658 pyrs were recorded for children under 15 years of age. Verbal autopsy interviews were conducted on 3,002 (80.4%) of these deaths. 73.6% of deaths were attributed to communicable diseases, non-communicable diseases accounted for 9.5% of the defined causes of death, and injuries for 3.9% of causes of deaths. Malaria was the single largest cause, accounting for 21.8% of cases. Pneumonia with 9.8% was the second leading cause of death, followed by HIV/AIDS (8.3%) and diarrhoeal diseases with 8%. **CONCLUSION:** The results of this study stand out the big challenges that lie ahead in the fight against

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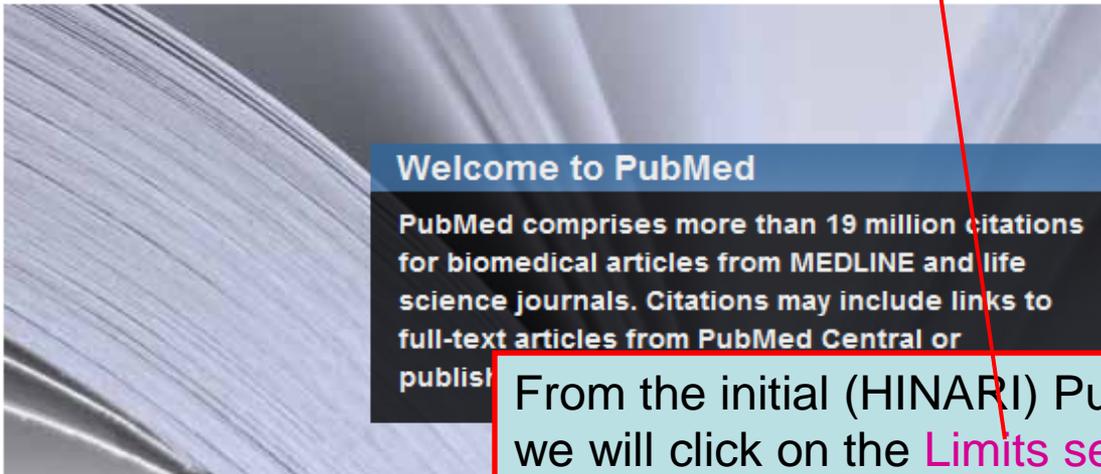
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PMID: 20121393 [PubMed - as supplied by publisher]  
[Related articles](#)
- [Multiple micronutrient supplementation during pregnancy and on early and late neonatal mortality in low-income countries: a meta-analysis of effects on birth size and length of gestation.](#)  
5. Ronsmans C, Fisher DJ, Osmond C, Margetts J, et al.  
Food Nutr Bull. 2009 Dec;30(4):S547-55.  
PMID: 20120796 [PubMed - in process]  
[Related articles](#)
- [Multiple micronutrient supplementation during pregnancy in low-income countries: a meta-analysis of effects on birth size and length of gestation.](#)  
6. Ronsmans C, Fisher DJ, Osmond C, Margetts J, et al.

Filter your results:

All (488)

[Free Full Text \(88\)](#)

[HINARI \(286\)](#)

[Manage Filters](#)

Titles with your search terms

- Pregnancy and optimal care of HIV-infected patients. [Clin Infect Dis. 2009]
- Antiretroviral therapy in pregnant women with advanced HIV disease a[AIDS. 2008]
- Pregnancy outcome in women infected with HIV-1 recei[Sex Transm Infect. 2009]

» See more...

55 free full-text articles in PubMed Central

prevention is not enough: child survival in the context of HIV infection [J Int AIDS Soc. 2009]

maternal mortality desires and intentions of HIV-infected women of reproductive age [PLoS One. 2009]

Plasmodium falciparum infection significantly impairs placental function [PLoS One. 2009]

» See all (55)...

By using the 1 year Limits option, we have a search with 488 citations.

The Limits Activated are highlighted in a yellow box with Change and Remove (hypertext) options. We will click on the Change link and return to Limits.

Database: Select

Find items

Search details

## Limits

### Dates

Published in the Last: 1 year

### Type of Article

- Clinical Trial
- Editorial
- Letter
- Meta-Analysis

### Species

- Humans
- Animals

- Male
- Female

### Subsets

#### Journal Groups

- Core clinical journals
- Dental journals
- Nursing journals

### Ages

- All Infant: birth-23 months
- All Child: 0-18 years
- All Adult: 19+ years
- Newborn: birth-1 month

### Text Options

- Links to full text
- Links to free full text
- Abstracts

### Search Field Tags

Field: All Fields

We have clicked on the **Reset** button. This has the same function as the **Remove link** on the previous page – it clears all the limits before you begin to assign others.

Note: if you do not use the **Reset** or **Remove** options, your next search will continue to use the limits you have used – in this case Published in the Last **1 year**.

Reset

Search

## Limits

### Dates

Published in the Last: Specify date range

2008 to 2010

### Type of Article

- Clinical Trial
- Editorial
- Letter
- Meta-Analysis

### Languages

- English
- French
- German
- Italian

### Species

- Humans
- Animals

We will complete another date search by entering 2008 to 2010 in the Specify date range option and clicking on Search.

### Subsets

#### Journal Groups

- Core clinical journals
- Dental journals
- Nursing journals

- All Infant: birth-23 months
- All Child: 0-18 years
- All Adult: 19+ years
- Newborn: birth-1 month

### Text Options

- Links to full text
- Links to free full text
- Abstracts

### Search Field Tags

Field: All Fields

Reset

Search

Search: PubMed

RSS Save search Limits Advanced search Help

HIV AND pregnancy

Search Clear

Display Settings: Summary, 20 per page, Sorted by Recently Added

Send to:

Limits Activated: Publication Date from 2008 to 2010 [Change](#) | [Remove](#)

Results: 1 to 20 of 1218

&lt;&lt; First &lt; Prev Page 1 Next &gt; Last &gt;&gt;

- [Effect of HCV Infection on Glucose Metabolism in Pregnant Women with HIV Receiving HAART.](#)
  1. Pinnetti C, Florida M, Cingolani A, Visconti E, Cavaliere AF, Celentano And LP, Tamburrini E. HIV Clin Trials. 2009 Nov-Dec;10(6):403-12. PMID: 20133271 [PubMed - in process]
- [Prevention of mother-to-child transmission of HIV-1 using highly active antiretroviral therapy in rural Yunnan, China.](#)
  2. Zhou Z, Meyers K, Li X, Chen Q, Qian H, Lao Y, Geng E, Fan Y, Yang S, Chiu M, Ho DD. J Acquir Immune Defic Syndr. 2010 Feb;53 Suppl 1:S15-22. PMID: 20104104 [PubMed - in process]
- [Kinetics and Determining Factors of the](#)
  3. Weinberg A, Harwood JE, McFarland EJ, C, Soda E, Vazquez A, Peloquin CA, Lev Infect Dis Obstet Gynecol. 2009;2009:621780. PMID: 20130816 [PubMed - in process]
- [Host immunity as a determinant of treatm](#)
  4. Rogerson SJ, Wijesinghe RS, Meshnick S Lancet Infect Dis. 2010 Jan;10(1):51-59. PMID: 20129149 [PubMed - as supplied by pub Related articles
- [Outcome of pregnancy in HIV-positive women planned for vaginal delivery under effective antiretroviral therapy.](#)
  - 5.

Filter your results:

All (1218)

[Free Full Text \(274\)](#)[HINARI \(712\)](#)[Manage Filters](#)

Titles with your search terms

- ▶ [Pregnancy and optimal care of HIV-infected patients.](#) [Clin Infect Dis. 2009]
- ▶ [Antiretroviral therapy in pregnant women with advanced HIV disease an\(AIDS. 2008\]](#)
- ▶ [Pregnancy outcome in women infected with HIV-1 receivir \[Sex Transm Infect. 2009\]](#)

» See more...

Articles in PubMed Central

- tion is not enough: child survival xt of prevei[J Int AIDS Soc. 2009]
- ires and intentions of HIV-men of reprod [PLoS One. 2009]
- m falciparum infection impairs plac[PLoS One. 2009]

» See all (165)...

Find related data

By using the **Publication Date from 2008 to 2010** Limits option, we have a search with **1218** citations – the most current articles on HIV AND pregnancy.

We will return to the **Limits** page by clicking on **Change** and then clicking on **Reset** to clear all the Limits.

## Limits

### Dates

Published in the Last: Any date

### Type of Article

- Letter
- Meta-Analysis
- Practice Guideline
- Randomized Controlled Trial

### Languages

- English
- French
- German
- Italian

Using the same **HIV AND pregnancy** search, we now will add a languages limit by checking the **English** box and then clicking on the **Search** button.

Note: you can click in the boxes of more than one language.

### Text Options

- Links to full text
- Links to free full text
- Abstracts

### Search Field Tags

Field: All Fields

Reset

Search

Search: PubMed

RSS Save search Limits Advanced search Help

HIV AND pregnancy

Search Clear

Display Settings: Summary, 20 per page, Sorted by Recently Added

Send to:

Filter your results:

**Limits Activated: English** [Change](#) | [Remove](#)

All (10188)

[Free Full Text \(1612\)](#)

[HINARI \(4428\)](#)

[Manage Filters](#)

**Results: 1 to 20 of 10188**

<< First < Prev Page 1 Next > Last >>

Titles with your search terms

► **Pregnancy and optimal care of HIV-infected patients.** [Clin Infect Dis. 2009]

1. [Kinetics and Determining Factors of the Virologic Response to Antiretrovirals during Pregnancy.](#)  
Weinberg A, Harwood JE, McFarland EJ, Pappas J, Davies J, Kinzie K, Barr E, Paul S, Salbenblatt C, Soda E, Vazquez A, Peloquin CA, Levin MJ.  
Infect Dis Obstet Gynecol. 2009;2009:621780. Epub 2010 Jan 10.  
PMID: 20130816 [PubMed - as supplied by publisher]

2. [Host immunity as a determinant of treatment outcome in Plasmodium falciparum infection.](#)  
Rogerson SJ, Wijesinghe RS, Meshnick SR.  
Lancet Infect Dis. 2010 Jan;10(1):51-59.  
PMID: 20129149 [PubMed - as supplied by publisher]  
[Related articles](#)

3. [Outcome of pregnancy in HIV-positive women planned for vaginal delivery under antiretroviral therapy.](#)  
Islam S, Oon V, Thomas P.  
J Obstet Gynaecol. 2010 Jan;30(1):38-40.  
PMID: 20121502 [PubMed - in process]  
[Related articles](#)

4. [Longitudinal study of CD4\(+\) cell counts in HIV-negative pregnant patients.](#)  
Towers CV, Rumney PJ, Ghamsary MG.  
J Matern Fetal Neonatal Med. 2010 Feb 1. [Epub ahead of print]  
PMID: 20121393 [PubMed - as supplied by publisher]  
[Related articles](#)

By using the **English** languages Limit option, we have a search with **10188** citations and that is not significantly smaller than the original search.

We will click on the **Change** link and return to the **Limits** page.

► **Fertility desires and intentions of HIV-positive women of reprod** [PLoS One. 2009]

► **Plasmodium falciparum infection significantly impairs plac** [PLoS One. 2009]

» See all (897)...

Find related data

Search: PubMed ▾

[Advanced search](#) [Help](#)

HIV AND pregnancy

Search Clear

## Limits

Using the same search and retaining the **English** languages Limit, we will check the boxes of two **Ages Limits: Adolescent 13-18 years and Young Adult 19-24 years**. Finally, we will click on the **Search** button.

Note the **Species, Gender, Subsets** Limits options that will not be discussed in this presentation.

## Species

- Humans
- Animals

## Subsets

- AIDS
- Bioethics
- Cancer
- Complementary Medicine

## Text Options

- Links to full text
- Links to free full text
- Abstracts

## Languages

- English
- French
- German
- Italian

## Sex

- Male
- Female

## Ages

- Preschool Child: 2-5 years
- Child: 6-12 years
- Adolescent: 13-18 years
- Young Adult: 19-24 years
- Adult: 19-44 years

## Search Field Tags

Field: All Fields ▾

Reset

Search

Search: PubMed  
HIV AND pregnancy

Display Settings: Summary, 20 per page, Sorted by Recently Added

Send to:

**Limits Activated:** English, Adolescent: 13-18 years, Young Adult: 19-24 years [Change](#) | [Remove](#)

**Results: 1 to 20 of 2259**

<< First < Prev Page 1 Next > Last >>

- [Sexual behavior and risk of HIV/AIDS among adolescents in public secondary schools in Osogbo, Osun State, Nigeria.](#)  
Bamidele JO, Abodunrin OL, Adebimpe WO.  
Int J Adolesc Med Health. 2009 Jul-Sep;21(3):387-94.  
PMID: 20014641 [PubMed - indexed for MEDLINE]  
[Related articles](#)
- [Applying HIV testing guidelines in clinical practice.](#)  
Mahoney MR, Fogler J, Weber S, Goldschmidt RH.  
Am Fam Physician. 2009 Dec 15;80(12):1441-4.  
PMID: 20000306 [PubMed - indexed for MEDLINE]  
[Related articles](#)
- [Risk factors for neonatal conjunctivitis in babies of HIV-1 infected mother.](#)  
Gichuhi S, Bosire R, Mbori-Ngacha D, Gichuhi C, Wamalwa D, Maleche-Wariua G, Otieno P, John-Stewart GC.  
Ophthalmic Epidemiol. 2009 Nov-Dec;16(6):337-45.  
PMID: 19995198 [PubMed - indexed for MEDLINE]  
[Related articles](#)
- [The effect of intermittent preventive treatment during pregnancy on malarial antibodies depends on HIV status and is not associated with poor delivery outcomes.](#)  
Serra-Casas E, Menéndez C, Bardají A, Quintó L, Dobaño C, Sigauque B, Jiménez A, Mandomando I, Chauhan VS, Chitnis CE, Alonso PL, Mayor A.  
J Infect Dis. 2010 Jan 1;201(1):123-31.

Filter your results:

- All (2259)
- [Free Full Text \(395\)](#)
- [HINARI \(1050\)](#)

[Manage Filters](#)

Titles with your search terms

- ▶ [Pregnancy and optimal care of HIV-infected patients.](#) [Clin Infect Dis. 2009]
  - ▶ [Placental malaria among HIV-infected and uninfected women receiving](#) [Malar J. 2009]
  - ▶ [Maternal and neonatal factors associated with mod](#)[BMC Pregnancy Childbirth. 2009]
- » See all (203)...

By using the **English** languages Limit option and the **Adolescent** and **Young Adult** Ages Limits, we have a search with **2259**.  
We will click on the **Change** link and return to the **Limits** page.

Find related data

## Limits

### Dates

Published in the Last: Any date

### Type of Article

- Practice Guideline
- Randomized Controlled Trial
- Review

More Publication Types

### Species

- Humans
- Animals

### Subsets

#### Journal Groups

- Core clinical journals
- Dental journals
- Nursing journals

### Text Options

- Links to full text
- Links to free full text
- Abstracts

### Ages

- Child: 6-12 years
- Adolescent: 13-18 years
- Young Adult: 19-24 years
- Adult: 19-44 years

### Search Field Tags

Field: All Fields

After clicking on the **Reset** button and clearing all previous Limits, we will click the **Type of Article** boxes for **Practice Guideline** and **Review** and **Ages Limits: Adolescent 13-18 years** and **Young Adult 19-24 years**. We then will click on the **Search** button.

Note that you can click on more than 1 **Type of Article** option.

Reset

Search

Display Settings: Summary, 20 per page, Sorted by Recently Added

Send to:

Limits Activated: Practice Guideline, Review, Adolescent: 13-18 years, Young Adult: 19-24 years

Change | Remove

Results: 1 to 20 of 268

<< First < Prev Page 1 Next > Last >>

Filter your results:

All (268)

Free Full Text (38)

HINARI (92)

Manage Filters

Titles with your search terms

- Pregnancy and optimal care of HIV-infected patients. [Clin Infect Dis. 2009]
- Antiretroviral therapy in pregnant women with advanced HIV disease and [AIDS. 2008]
- Pregnancy outcome in women infected with HIV-1 receiver [Sex Transm Infect. 2009]

» See more...

The Limits Activated and Results (268) of this search are listed in the boxes above.

1. Ethical and practical challenges in implementing informed consent in HIV/AIDS clinical trials in developing or resource-limited countries.

Mystakidou K, Panagiotou I, Katsaragakis S, Tsilika E, Parpa E.

SAHARA J. 2009 Sep;6(2):46-57. Review.

PMID: 19936406 [PubMed - indexed for MEDLINE]

Related articles

2. Guidelines for the Prevention and Treatment of Opportunistic Infections among HIV-exposed and HIV-infected children: recommendations from CDC, the National Institutes of Health, the HIV

Medicine Association of the Infectious Diseases Society, and the American Academy of Pediatrics.

Mofenson LM, Brady MT, Danner SP, Doan

S, Read JS, Serchuck L, Van Dyke R; Centers for Disease Control and Prevention; National

Institutes of Health; HIV Medicine Association of the Infectious Diseases Society of America;

Pediatric Infectious Diseases Society; American Academy of Pediatrics.

MMWR Recomm Rep. 2009 Sep 4;58(RR-11):1-166.

PMID: 19730409 [PubMed - indexed for MEDLINE]

Related articles Free article

3. What's new in the 2009 US guidelines for prevention and treatment of opportunistic infections among adults and adolescents with HIV?

Brooks JT, Kaplan JE, Masur H.

Top HIV Med. 2009 Jul-Aug;17(3):109-14. Review.

PMID: 19675369 [PubMed - indexed for MEDLINE]

Free full-text articles in PubMed Central

- Review Severe cytomegalovirus infection in apparently immunocompetent [Virology. 2008]
- Review Priorities for antiretroviral therapy research [J Acquir Immune Defic Syndr. 2004]
- Review Overlooked role of African-American males' h [J Natl Med Assoc. 2003]

» See all (9)...

Find related data

Search: PubMed Advanced search Help

HIV AND pregnancy Search Clear

## Limits

**Dates**

Published in the Last: Any date

**Type of Article**

Practice Guideline  
 Randomized Controlled Trial  
 Review

**More Publication Types**

We now will discuss the **Text Options Limits**. We recommend that you **DO NOT** use these Limits. If you click on **Links to free full text**, you will eliminate all the HINARI citations that are not also free full text. This will significantly limit your search results.

**Species**

Humans  
 Animals

Male  
 Female

**Subsets**

**Journal Groups**

Core clinical journals  
 Dental journals  
 Nursing journals

**Ages**

Child: 6-12 years  
 Adolescent: 13-18 years  
 Young Adult: 19-24 years  
 Adult: 19-44 years

**Text Options**

Links to full text  
 Links to free full text  
 Abstracts

**Search Field Tags**

Field: All Fields

## Limits

We now will look at the **Search Field Tags Limits**. After clicking on the **Reset** button, we will enter **nature biotechnology** in the **Search** box, click on **Journal** Search Field Tag and the **Search** button.

Note the lengthy list in the drop down menu and all the options you can choose.

- Humans
- Animals

### Subsets

#### Journal Groups

- Core clinical journals
- Dental journals
- Nursing journals

### Text Options

- Links to full text
- Links to free full text
- Abstracts

- All Fields
- Affiliation
- Author
- Corporate Author
- Create Date
- EC/RN Number
- Entrez Date
- Filter
- First Author
- Full Author Name
- Full Investigator Name
- Grant Number
- Investigator
- Issue
- Journal**
- Language
- Last Author
- Location ID
- MeSH Date
- MeSH Major Topic

Reset

Search



Search: PubMed

Advanced search Help

ribeiro

Search Clear

## Limits

### Dates

Published in the Last: Any date

### Type of Article

- Clinical Trial
- Editorial
- Letter
- Meta-Analysis

### Species

- Humans
- Animals

### Subsets

- AIDS
- Bioethics
- Cancer
- Complementary Medicine

### Text Options

- Links to full text
- Links to free full text
- Abstracts

### Languages

- English
- French
- German
- Italian
- Japanese
- Korean
- Portuguese
- Russian
- Spanish
- Traditional Chinese
- Vietnamese
- Other

Field: All Fields

After clicking on the **Reset** box, we will enter **ribeiro** in the **Search** box, click on **Author** Search Field Tag and the **Search** button.

Reset Search

Display Settings:  Summary, 20 per page, Sorted by Recently Added

Send to:

**Limits Activated:** Field: Author [Change](#) | [Remove](#)

**Results: 1 to 20 of 6678**

- [Genomic features and evolutionary constraints in Saffold-like Cardioviruses.](#)  
1. Drexler JF, Baumgarte S, de Souza Luna LK, Stocker A, Almeida PS, Ribeiro TC, Petersen N, Herzog P, Pedroso C, Brites C, da Costa Ribeiro H Jr, Gmyl A, Drosten C, Lukashev A.  
J Gen Virol. 2010 Feb 3. [Epub ahead of print]  
PMID: 20130131 [PubMed - as supplied by publisher]  
[Related articles](#)
- [The meaning of neutropenia and homecare needs according to caregivers of children with cancer.](#)  
2. Gelesson DD, Hiraishi LY, Ribeiro LA, Pereira SR, Gutiérrez MG, Domenico EB.  
Rev Lat Am Enfermagem. 2009 Nov-Dec;17(6):933-9.  
PMID: 20128933 [PubMed - in process]  
[Related articles](#)
- [Genetic associations with asthma and virus-induced wheezing: a systematic review.](#)  
3. Pinto LA, Stein RT, Ribeiro JD.  
J Bras Pneumol. 2009 Dec;35(12):1220-8.  
PMID: 20128925 [PubMed - in process]  
[Related articles](#)
- [Effect of laser welding on the tit...](#)  
4. Galo R, Ribeiro RF, Rodrigues...  
Braz Dent J. 2009;20(5):403-9.  
PMID: 20128909 [PubMed - in process]
- [Qualitative and quantitative ana...](#)  
5. Mazzetti MP, Oliveira IS, Miranda-Ferreira R, Fauaz G, Ribeiro CN, Gomes PO, Pontes P, Ferreira AT, Eça LP.  
Acta Cir Bras. 2010 Feb;25(1):24-7.  
PMID: 20128883 [PubMed - in process]  
[Related articles](#)
- [CD8+ Lymphocytes Control Viral Replication in SIVmac239-Infected Rhesus Macaques without Decreasing the Lifespan of Productively Infected Cells.](#)  
6. Klatt NR, Shudo E, Ortiz AM, Engram JC, Paiardini M, Lawson B, Miller MD, Else J, Pandrea I, Estes JD, Apetrei C, Schmitz JE, Ribeiro RM, Perelson AS, Silvestri G.  
PLoS Pathog. 2010 Jan 29;6(1):e1000747

The **rebeiro Author** Limit results in **6678** citations. We now will look at the **Advanced Search** page. Note: you also the **First Author** and **Last Author** options in the Search Field Tags drop down menu.

Filter your results:

All (6678)

[Free Full Text \(1561\)](#)

[HINARI \(3270\)](#)

[Manage Filters](#)

Also try:

- ▶ ribeiro tick
- ▶ sebastiao ribeiro
- ▶ yeast apoptosis ribeiro
- ▶ ribeiro adenosine
- ▶ ribeiro boucher

Titles with your search terms

- ▶ A new species of Heterosentis Van Cleave, 1931 (Acantho[[J Parasitol.](#) 2009]
  - ▶ Evolutionary cytogenetics of the Hoplias... Miranda Ribe[Braz J Biol. 2007]
  - ▶ Community ecology of the metazoan... of namorado :[Braz J Biol. 2008]
- » See more...

Full-text articles in PubMed Central

- ▶ Human probing behavior of Aedes aegypti when [PLoS Negl Trop Dis. 2009]
  - ▶ Clinical features of adolescents with deliberate[Neuropsychiatr Dis Treat. 2009]
  - ▶ Mixed lineage kinase 3 gene mutations in mismatch repair[Hum Mol Genet. 2010]
- » See all (465)...

Find related data

- 
- Reminder: While working with ‘**LIMITS**’, you probably noticed the line that has ‘**Links to full text**, ‘**Links to free full text**’ and ‘**Abstracts**’ options. By clicking on all three options, you would limit your search to all **full text** articles **AND** those articles that are available as **free full text** by various publishers **AND** those that have **abstracts**.
  - Consequently, your HINARI list will be limited to only articles that are both free full text and HINARI – a significantly smaller number.

# Exercise 12–16

---

Complete exercises 12-16 in the workbook.

# Advanced Search

## PubMed Advanced Search

[« Back to PubMed](#)

### Search Box

[Limits](#) [Details](#) [Help](#)

Search

Preview

Clear

### Search Builder

All Fields

AND

Add to Search Box

[Show Index](#)

#### [Search Builder Instructions](#)

1. Choose a field to search.
2. Enter search term(s).
3. Click the Show Index link to display a list of terms, if desired.
4. Change the default AND operator, if necessary.
5. Click the Add to Search Box button.
6. Repeat steps as necessary.
7. Click Search to run your query, or click

### Search History

[Search History Instructions](#)

### More Resources

[MeSH Database](#)

[Journals Database](#)

[Single Citation Matcher](#)

[Clinical Queries](#)

[Topic-Specific Queries](#)

We now will use new **Advanced Search** option that enables you to use the **Search Builder** feature. To make searches more precise, you can add terms in all or specific files using the AND, OR, NOT Boolean operators.

You can access **Advanced Search** from the initial **PubMed** page or the **Search Results** page.

Note the **Search Builder instructions** that can be displayed.

# PubMed Advanced Search

[« Back to PubMed](#)

## Search Box

[Limits](#) [Details](#) [Help](#)

## Search Builder

[Show Index](#)[Search Builder Instructions](#)

## Search History

[Search History Instructions](#)

## More Resources

[MeSH Database](#)[Journals Database](#)[Single Citation Matcher](#)[Clinical Queries](#)[Topic-Specific Queries](#)

We have added the keyword **tuberculosis** to the PubMed **Search** box, activated the **Text Word** option in **Search Builder**, added **drug resistance** to the text box and clicked on the **Index** option. We will click on **AND** plus the **Add to Search Box** option.

# PubMed Advanced Search

[« Back to PubMed](#)

**Search Box** [Limits](#) [Details](#) [Help](#)

(tuberculosis) AND drug resistance[Text Word]

## Search Builder

Text Word

After clicking on the **AND** plus the **Add to Search Box** option, the **drug resistance[Text Word]** has been added to the PubMed **Search** box along with **tuberculosis**. We now will add an additional term.

[Search Builder Instructions](#)

## Search History

[Search History Instructions](#)

## More Resources

- [MeSH Database](#)
- [Journals Database](#)
- [Single Citation Matcher](#)
- [Clinical Queries](#)
- [Topic-Specific Queries](#)



# PubMed Advanced Search

[« Back to PubMed](#)

## Search Box

[Limits](#) [Details](#) [Help](#)

## Search Builder

[Show Index](#)[Search Builder Instructions](#)

## Search History

[Search History Instructions](#)

## More Resources

[MeSH Database](#)[Journals Database](#)[Single Citation Matcher](#)[Clinical Queries](#)[Topic-Specific Queries](#)

We now will click on the **MeSH Terms** option in **Search Builder** and insert the term **developing countries** into the search box. We then will click on **Show Index** to display the MeSH terms.

# PubMed Advanced Search

[Back to PubMed](#)

## Search Box

[Limits](#) [Details](#) [Help](#)

## Search Builder

- developing countries (53629)
- developing countries/classification (7)
- developing countries/economics (1451)
- developing countries/history (179)
- developing countries/organization and administration (1451)
- developing countries/statistics and numerical data (1323)
- developmental biology (4123)
- developmental biology/classification (4)
- developmental biology/complications (3)
- developmental biology/drug effects (2)

[Show Index](#)[Previous 200](#)

The **developing country MeSH** and **MeSH subheading** terms are displayed in the drop down menu. We will click on the **AND** plus the **Add to Search Box** option to add this term to the PubMed **Search** box.

[Search Builder Instructions](#)

## Search History

[Search History Instructions](#)

Display Settings: [x] Summary, 20 per page, Sorted by Recently Added

Send to: [v]

Filter your results:

Results: 1 to 20 of 110

<< First < Prev Page 1 Next > Last >>

All (110)

Free Full Text (21)

HINARI (31)

Manage Filters

Antibiotic resistance in Mexico: a brief overview of the current status and its causes.

1. Amabile-Cuevas C.  
J Infect Dev Ctries. 2010 Mar 29;4(3):126-31. Review.  
PMID: 20351451 [PubMed - indexed for MEDLINE] Free Article  
Related citations

[Diagnosis of tuberculosis in developing countries: new perspectives]

2. Dubrous P, Alaoui H, N'Dounga Mikolo B, Koeck JL.  
Med Trop (Mars). 2009 Dec;69(6):618-28. Review. French.  
PMID: 20099683 [PubMed - indexed for MEDLINE]  
Related citations

New old challenges in tuberculosis: potentially effective nanotechnologies in drug delivery.

3. Sosnik A, Carcaboso AM, Glisoni RJ, Moreton MA, Chiappetta DA.  
Adv Drug Deliv Rev. 2010 Mar 18;62(4-5):547-59. Epub 2009 Nov 13. Review.  
PMID: 19914315 [PubMed - indexed for MEDLINE]  
Related citations

Multidrug-resistant tuberculosis of culture proven multidrug-resistant

4. Pawar UM, Kundnani V, Agashe V.  
Spine (Phila Pa 1976). 2009 Oct 15;34(20):2193-6. Review.  
PMID: 19829244 [PubMed - indexed for MEDLINE]  
Related citations

Cepheid unveils fast TB test to aid developing countries.

5. [No authors listed]  
AIDS Read. 2009 Jun-Jul;19(6):229. No abstract available.

3 free full-text articles in PubMed Central

Risk factors for virological failure and subtherapeutic antiretrovir [BMC Infect Dis. 2009]

Reforms to the health sector must retain vertical programmes like those for tuberculo [BMJ. 2000]

Review Antimicrobial resistance in developing countries. [BMJ. 1998]

See all (8)...

The results of the tuberculosis AND drug resistance AND developing countries search are 110 citations. Note, in the Filter your results list, that 21 are Free Full Text and 31 are HINARI.

```
(("tuberculosis"[MeSH Terms] OR "tuberculosis"[All Fields]) AND drug resistance[text word]) AND "developing countries"[MeSH Terms]
```

# PubMed Advanced Search

[« Back to PubMed](#)

## Search Box

[Limits](#) [Details](#) [Help](#)

## Search Builder

[Search Builder Instructions](#)

We have returned to the **Advanced Search** page. Note that the **Search History** has been activated and lists the recently completed search as **#1**. In Module 4.4, we will discuss the **Search History** option and how to use it to combine search results.

## Search History

Search	Most Recent Queries	Time	Result
#1	Search ((tuberculosis) AND drug resistance[text word]) AND developing countries[MeSH Terms]	16:47:03	<a href="#">110</a>

[Search History Instructions](#)

## More Resources

[MeSH Database](#)[Journals Database](#)[Single Citation Matcher](#)[Clinical Queries](#)[Topic-Specific Queries](#)

# Exercise 17

---

Complete exercises 17 in the workbook.

# MY NCBI

NCBI Resources How To

My NCBI | Sign In

PubMed.gov  
U.S. National Library of Medicine  
National Institutes of Health

Search: PubMed

## Welcome to PubMed

PubMed comprises more than 19 million citations for biomedical articles from MEDLINE and life science journals. Citations may include links to full-text articles from

To register , add filters and use the **MY NCBI options** , you should directly access PubMed using the following address:

[www.ncbi.nlm.nih.gov/sites/entrez?db=pubmed](http://www.ncbi.nlm.nih.gov/sites/entrez?db=pubmed)

From the PubMed display , you will see the **MY NCBI/Sign in** box. Click on this **MY NCBI** box to Register.

Note: if you try registering from HINARI/PubMed, HINARI blocks you from returning after working in **MY NCBI**.

## Using PubMed

[PubMed Quick Start](#)

[New and Noteworthy](#) 

[PubMed Tutorials](#)

[Full Text Articles](#)

[PubMed FAQs](#)

NLM/NCBI H1N1 Flu Resources:

FLU.GOV



My NCBI allows you to create automatic email alerts, save your searches and records, filter

You will be directed to the **MY NCBI Sign In** page. To register for MY NCBI, click on the **Register for an account** link. If you are already registered, you can click on **MY NCBI Sign In**.

Sign in directly to your My NCBI account:

Register or sign in through one of the partner organization login routes:

### My NCBI Sign In

Username:

Password:

Keep me signed in unless I sign out  
(Leave unchecked on public computers)

Remember my username

Sign In

[+ Register for an account](#)

[+ I forgot my username](#)

[+ I forgot my password](#)

[+ About automatic sign in](#)

### Sign in via Partner Organization

- [+ Google](#)
- [+ NIH Login](#)
- [+ eRA Login](#)
- [+ UKPMC Funders Group grantees](#)

Or choose from:

- Case Western Reserve University
- Colorado State University
- Columbia University
- Cornell University

[See expanded list >](#)

Sign In



You now have to fill in a short Registration page. Select a **Username** and a **Password**. Make sure this is written down for future reference. You also will need to set up a **Security Question** in case you forget your password.

- ⊕ Usernames must be 3 or more letters, numbers or underscores
- ⊕ Passwords must be 6 or more characters and are case sensitive
- ⊕ Passwords must match

Username:

Password:

Repeat Password:

- Keep me signed in
- Remember my username

Security Question:

Answer:

Please type the five characters you see above.

You can provide an e-mail address (optional).

Register

Or cancel and return [home](#)



For the **5 character image**, enter this literally including capitals. An **e-mail address** is necessary to use a MY NCBI feature that we will be discussing. When the form is complete, click on **Register**.

Reminder: Make sure you write down your Username and Password.

- ⊕ Usernames must be 3 or more letters, numbers or underscores
- ⊕ Passwords must be 6 or more characters and are case sensitive
- ⊕ Passwords must match

Username:

Password:

Repeat Password:

Keep me signed in

Remember my username

Security Question:

Answer:



Please type the five characters you see above.

You can provide an e-mail address (optional).

Or cancel and return [home](#)

Dear NCBI User:

You have received this e-mail because dr1152@yahoo.com was used as the contact e-mail address for a new account at the National Center for Biotechnology Information (NCBI). The NCBI provides free, online access to biomedical and biological research publications and data, including PubMed, a database of over 18 million biomedical abstracts.

- To complete your registration, you must visit the following Web site:

<http://www.ncbi.nlm.nih.gov/sites/mvncbi?cmd=emaddr&call=1RsMOh6UgsQUipss44VO4CIT6baZuLzM1PHo5WRfbG-ssa74EZYhJgrkd1QV91LIR6-CAEKrmWEAT>

- If you no longer want to register, or if you have received this message in error, click here:

<http://www.ncbi.nlm.nih.gov/sites/mvncbi?cmd=emaddr&call=1NYwWPz1B3KN8VFOcY5pm6h5AetVv9m4egFIYUpXsByY6yCikol7s6VPSYqh7baH06wpBdJYxP>

NCBI will only send e-mails to this e-mail address when you request that we do so. We will not send unsolicited e-mail.

Please send questions, problems, and comments to [info@ncbi.nlm.nih.gov](mailto:info@ncbi.nlm.nih.gov).

Do not reply directly to this message.

Thank you

Saturday, May 7 2011.

-----  
The National Center for Biotechnology Information  
National Library of Medicine  
National Institutes of Health  
Bethesda, MD  
<http://www.ncbi.nlm.nih.gov>

You will receive a confirmation e-mail from **My NCBI**. Go to your email account and open the message - **[efback@mail.nih.gov](mailto:efback@mail.nih.gov)** To complete the registration, click on the hypertext link below 'visit the following Web site'.

If this is not a hypertext link in your web browser, copy the url or web address, paste it into the **search box** of your web browser and click on the **send** key.



Verified e-mail address: rhinel@ufl.edu

My NCBI allows you to create automatic email alerts, save your searches and

Sign in directly to your My NCBI account.

After placing the My NCBI website's address in the search box, you will be sent to this page that verifies your email address. Proceed to My NCB Sign In. Note: if this is your computer, you can check the Keep me signed in unless I sign out or Remember my username options.

**My NCBI Sign In**

Username:

Password:

Keep me signed in unless I sign out  
(Leave unchecked on public computers)

Remember my username

- [Register for an account](#)
- [I forgot my username](#)
- [I forgot my password](#)
- [About automatic sign in](#)

**Sign in via Partner Organization**

- [Google](#)
- [NIH Login](#)
- [eRA Login](#)
- [UKPMC Funders Group grantees](#)

**Or choose from:**

Case Western Reserve University  
 Colorado State University  
 Columbia University  
 Cornell University

[See expanded list »](#)



U.S. National Library of Medicine  
National Institutes of Health

Search: PubMed

[Advanced search](#) [Help](#)

Search

Clear

### Welcome to PubMed

PubMed comprises more than 19 million citations for biomedical articles from MEDLINE and life science journals. Citations may include links to full-text articles from PubMed Central or publisher web sites.

To access **My NCBI**, you will need to **Sign In** with your Username and Password.

Note: This is the process once you have registered and want to return to your **My NCBI** account.

### Using PubMed

[PubMed Quick Start](#)

[New and Noteworthy](#)

[PubMed Tutorials](#)

[Full Text Articles](#)

[PubMed FAQs](#)

[Clinical Queries](#)

[Topic-Specific Queries](#)

[Clinical Trials](#)

[E-Utilities](#)

### NLM/NCBI H1N1 Flu Resources:

[Newest H1N1 influenza sequences](#)

FLU.GOV



This is the **MY NCBI** page and includes many options that we will discuss – 1<sup>st</sup> Filters. Filters allow My NCBI users to identify sets of articles within search results. Open the **Filters** section by clicking on the **Manage Filters**. Make sure you keep the **Filters for PubMed** option.

### Search NCBI databases

Search : PubMed

Search

Hint: clicking the "Search" button without any terms listed in the search box will transport you to that database's homepage.

### My Bibliography

Your bibliography contains no items.

Use the "Send to > My Bibliography" menu in PubMed to add citations,  
OR  
[Click here](#) to manually create citations.

[Manage My Bibliography »](#)

### Recent Activity

You do not have any recent activity.

[Clear](#) [Turn Off](#)

[See All Recent Activity »](#)

### Saved Searches

You don't have any saved searches yet.

Go and [create some saved searches](#) in PubMed or our other databases.

[Manage Saved Searches »](#)

### Collections

Collection Name	Items	Privacy	Type
<a href="#">My Bibliography</a>	0	<a href="#">Private</a>	Standard
<a href="#">Other Citations</a>	0	<a href="#">Private</a>	Standard

[Manage Collections »](#)

### Filters

Filters for: PubMed

You do not have any active filters for this database.  
[Add filters for the selected database.](#)

[Manage Filters »](#)

In the **Browse/Search for PubMed Filters**, we have clicked on **Popular**. The most common filters are listed on this page and you can choose more than 1. When you choose a filter, the **My NCBI** page will refresh and apply the filter.

By clicking on the box, choose the **Free Full Text** Filter. You may choose other filters that are of interest to you.

Choose another database: PubMed (1 active) ▾

### Browse/Search for PubMed Filters

Select category:

Popular
  LinkOut
  Properties
  Links

Search with terms (optional):

Active	Name	Description
<input type="checkbox"/>	Clinical Trial	
<input type="checkbox"/>	English	
<input type="checkbox"/>	English & Humans	
<input checked="" type="checkbox"/>	Free Full Text	links to Web accessible full text articles (all available free of charge)
<input type="checkbox"/>	Full Text	links to Web accessible full text articles (some may require subscription)
<input type="checkbox"/>	Humans	
<input type="checkbox"/>	Items with Abstracts	
<input type="checkbox"/>	Published in the last 5 years	
<input type="checkbox"/>	Review	articles that review the literature on a subject

# My NCBI — Filters

[Filters help](#)

You are managing filters for: PubMed

Choose another database: PubMed(1 active) ▾

## Your PubMed filter list

Create custom filter

Active	Name	Type
<input checked="" type="checkbox"/>	Free Full Text	Standard filter

## Browse/Search for PubMed Filters

"Free Full Text" filter activated.

Select category:

- Popular
- LinkOut
- Properties
- Links

Search with terms (optional):

Active	Name	Description
<input type="checkbox"/>	Clinical Trial	
<input type="checkbox"/>	English	
<input type="checkbox"/>	English & Humans	
<input checked="" type="checkbox"/>	Free Full Text	links to Web accessible full text articles (all available free of charge)
<input type="checkbox"/>	Full Text	links to Web accessible full text articles (some may require subscription)
<input type="checkbox"/>	Humans	
<input type="checkbox"/>	Items with Abstracts	
<input type="checkbox"/>	Published in the last 5 years	
<input type="checkbox"/>	Review	articles that review the literature on a subject

Note that the filter(s) you have chosen are listed in the **Your PubMed filter list** and that most recent filter added is listed in the **green box**. To add another important filter, click on the **LinkOut** category.

# My NCBI — Filters

[Filters help](#)

You are managing filters for: PubMed Choose another database: PubMed (1 active)

## Your PubMed filter list

Create custom filter

Active	Name	Type
<input checked="" type="checkbox"/>	Free Full Text	Standard filter

## Browse/Search for PubMed Filters

Select category:

- Popular
- LinkOut
- Properties
- Links

Search with terms (optional):

After accessing the **LinkOut** category, enter **HINARI** in the **search box** and click on the **Search button**.

Active	Filter	Link Icon	Name	Description
<input checked="" type="checkbox"/>			HINARI	
<input type="checkbox"/>			<a href="#">Chemical Information</a>	
<input type="checkbox"/>			<a href="#">Education</a>	
<input type="checkbox"/>			<a href="#">Libraries</a>	
<input type="checkbox"/>			<a href="#">Literature</a>	
<input type="checkbox"/>			<a href="#">Medical Resources</a>	
<input type="checkbox"/>			<a href="#">Miscellaneous</a>	
<input type="checkbox"/>			<a href="#">Molecular Biology Databases</a>	
<input type="checkbox"/>			<a href="#">Research Materials</a>	

# My NCBI — Filters

[Filters help](#)

You are managing filters for: PubMed Choose another database: PubMed (1 active)

## Your PubMed filter list

Create custom filter

## Browse/Search for PubMed Filters

Select category:

- Popular
- LinkOut
- Properties
- Links

Search with terms (optional):

Once the **HINARI LinkOut** option appears, click on the **Filter** box to add this 2<sup>nd</sup> filter.

Note: LinkOut is the PubMed program that adds the HINARI icons in the Abstract format and allows access to the full-text documents.

Active		Name	Description
Filter	Link Icon		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	HINARI - Health InterNetwork Access to Research Initiative ( <a href="#">website</a> )	

# My NCBI — Filters

Both filters you have chosen are listed in the **Your PubMed filter list**. You can delete any filter by clicking on the **check** in the **Active** column. Return to the 1st MY NCBI page by clicking on either **MY NCBI** that is next to your name or the **MY NCBI** logo.

You are managing filters

## Your PubMed filter list

Create custom filter

## Browse/Search for PubMed Filters

Active	Name	Type
<input checked="" type="checkbox"/>	Free Full Text	Standard filter
<input checked="" type="checkbox"/>	HINARI - Health InterNetwork Access to Research Initiative	Standard filter

Select category:

- Popular
- LinkOut
- Properties
- Links

Search with terms (optional):

Note: these two filters are used to create the HINARI and Free Full Text tabs that appear when a HINARI/PubMed search is completed. They now will appear on any My NCBI searches that you complete.

Active	Link Icon	Name	Description
<input type="checkbox"/>		HINARI - Health InterNetwork Access to Research Initiative ( <a href="#">website</a> )	



**Search NCBI databases**

Search : PubMed

HIV AND pregnancy

Hint: clicking the "Search" button without any terms listed in the search box will transport you to that database's homepage.

**Saved Searches**

You don't have any saved searches yet.

Go and [create some saved searches](#) in PubMed or our other databases.

[Manage Saved Searches »](#)

**Collections**

Collection Name	Items	Privacy	Type
<a href="#">My Bibliography</a>	0	Private	Standard
<a href="#">Other Citations</a>	0	Private	Standard

[Manage Collections »](#)

**My Bibliography**

Your bibliography contains no items.

Use the "Send to > My Bibliography" menu in PubMed to add citations,

OR

Using the **Search NCBI databases** box, complete a search for **HIV AND pregnancy** - by entering the term in the search box and clicking on **Search** button.

**Recent Activity**

You do not have any recent activity.

[Clear](#) [Turn Off](#)

[See All Recent Activity »](#)

or: PubMed (2 active)

Name	Type
English	Standard filter
<input checked="" type="checkbox"/> HINARI - Health InterNetwork Access to Research Initiative	Standard filter

[Manage Filters »](#)



Search: PubMed  
Save search Limits Advanced search Help  
HIV AND pregnancy Search Clear

Display Settings: Summary, 20 per page, Sorted by Recently Added

Send to:

Filter your results:

All (12238)

Free Full Text (2409)

Manage Filters

Results: 1 to 20 of 12238

<< First < Prev Page 1 of 612 Next >> Last >>

[Characteristics of antiretroviral drugs.]

1. Ribera E, Tuset M, Martín M, Del Cacho E.  
Enferm Infecc Microbiol Clin. 2011 Apr 28. [Epub ahead of print] Spanish.  
PMID: 21531048 [PubMed - as supplied by publisher]  
[Related citations](#)

Baseline variation and associations between subject characteristics and five cytokine biomarkers of vaginal safety among healthy non-pregnant women in microbicide trials.

2. Fichorova RN, Lai JJ, Schwartz JL, et al.  
Cytokine. 2011 Apr 27. [Epub ahead of print] English.  
PMID: 21530305 [PubMed - as supplied by publisher]  
[Related citations](#)

Interpreting the epidemiology and

3. Marrazzo JM.  
Anaerobe. 2011 Apr 16. [Epub ahead of print] English.  
PMID: 21524714 [PubMed - as supplied by publisher]  
[Related citations](#)

Effectiveness of interventions to screen and manage infections during pregnancy on reducing stillbirths: a review.

4. Ishaque S, Yakoob MY, Imdad A, Goldenberg RL, Eisele TP, Bhutta ZA.  
BMC Public Health. 2011 Apr 13;11 Suppl 3:S3.  
PMID: 21501448 [PubMed - in process] Free Article  
[Related citations](#)

"The Young Ones are the Condom Generation": Condom Use amongst Out-of-School Adolescents in Rural Southwest Uganda.

5. Nobelius AM, Kalina B, Pool R, Whitworth J, Chesters J, Power R.  
J Sex Res. 2011 Apr 22:1-15. [Epub ahead of print]  
PMID: 21516591 [PubMed - as supplied by publisher]  
[Related citations](#)

Titles with your search terms

HIV and Pregnancy in Resource-Poor Settings.  
[Rev Obstet Gynecol. 2010]

Using an improved phagocytosis assay to evaluate the effect of HIV or [PLoS One. 2010]

A randomized trial to determine the optimal dosage of multivitamin : [Am J Clin Nutr. 2010]

See more...

1184 free full-text articles in PubMed Central

Associations between HIV Antiretroviral Therapy and the Preva [AIDS Res Treat. 2011]

Triple-Antiretroviral Prophylaxis to Prevent Mother-To-Child HIV Transn [PLoS Med. 2011]

Number and timing of antenatal HIV testing: Evidence from a co [BMC Public Health. 2011]

See all (1184)...

Find related data

Database: Select

Find items

In PubMed, these are the results for the search for HIV AND pregnancy. Click on the Save search hyperlink that is available when you are signed into your MY NCBI account.

My NCBI gives you the option to **save** or **cancel** the specific search. In this case, **save** the search.

By saving this search, you can receive emails that list new citations for Free Full Text and HINARI articles on this subject.

# My NCBI — Saved Searches

[Saved Searches help](#)

Your PubMed search

**Search: HIV AND pregnancy**

Name of Search:

# My NCBI — Saved Search Settings

✓ Save Search successful.

Your PubMed search

## Search: HIV AND pregnancy

Name of Search:

E-mail:

Would you like e-mail updates of new search results?

- No thanks.  
 Yes, once a month.

Which day?

- Yes, once a week.

Which day?

- Yes, every day.

Formats:

Report format:

Number of items:

Send at most:   Send even when there aren't any new results

Any text you want to be added at the top of your e-mail (optional):

Save

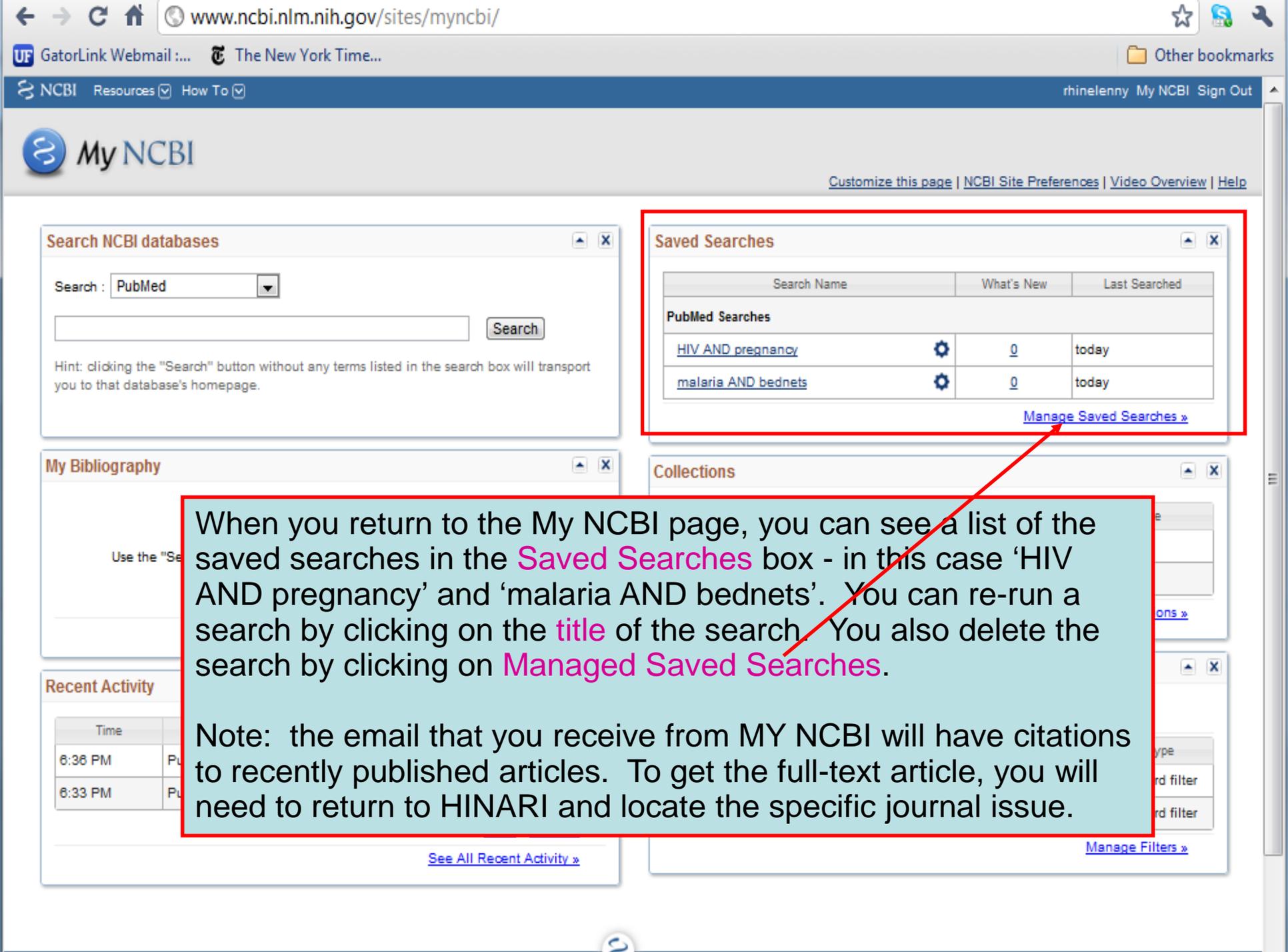
Cancel

Delete

My NCBI has confirmed that this search was saved. You now have the option to receive **email updates** or not receive **updates** (about the new articles published on this search topic).

In this case, the **email updates** options chosen are: **'Yes, once a week'** on **'Monday'** in the **Abstract format** (other options are text or MEDLINE) and receive **50 items**. Select the options you want and click on the **Save** button.

Skip scheduling and [return to your search](#), or proceed to [manage your Saved Searches](#).



### Search NCBI databases

Search : PubMed

Search

Hint: clicking the "Search" button without any terms listed in the search box will transport you to that database's homepage.

### Saved Searches

Search Name	What's New	Last Searched
<b>PubMed Searches</b>		
<a href="#">HIV AND pregnancy</a>	0	today
<a href="#">malaria AND bednets</a>	0	today

[Manage Saved Searches »](#)

When you return to the My NCBI page, you can see a list of the saved searches in the **Saved Searches** box - in this case 'HIV AND pregnancy' and 'malaria AND bednets'. You can re-run a search by clicking on the **title** of the search. You also delete the search by clicking on **Managed Saved Searches**.

Note: the email that you receive from MY NCBI will have citations to recently published articles. To get the full-text article, you will need to return to HINARI and locate the specific journal issue.

[See All Recent Activity »](#)

[Manage Filters »](#)

We have returned to the initial page of the HINARI website as we want to note **Training** and **Using HINARI** resources. We will access the **Training** subpage.

[Login to HINARI](#)

## HINARI

[About HINARI](#)
[Full-text journals, databases and other resources](#)
[Eligibility](#)
[Register](#)
[Partners](#)
[Publishers' statement](#)
[Training](#)
[Promotional materials](#)
[Using HINARI](#)
[Frequently asked questions](#)

## HINARI Access to Research in Health Programme

HINARI Programme set up by WHO together with major publishers, enables developing countries to gain access to one of the world's largest collections of biomedical and health literature. More than 7,500 information resources (in 30 different languages) are now available to health institutions in 105 countries, areas and territories benefiting many thousands of health workers and researchers, and in turn, contributing to improve world health.

↓ [Map of country breakdown](#)

 jpg, 249kb

4800 institutions registered in 105 countries in 2010

[Sitio HINARI em Português](#)
 [Sitio HINARI em Português](#)

### Other Sister Programmes with


 [more information](#)

 [Access to Global Online Research in Agriculture](#)
 [Brief video about AGORA](#)

 [Online Access to Research in the Environment](#)
 [Digital Library for AGORA](#)

### News

#### Tailoring Workshops to the Participants' Needs

In recent workshops in Papua New Guinea and Nepal, the trainers have worked with the local organizers to identify the specific information needs of the participants. (February 2011)

[read more](#)

#### New Partners in 2010

We are pleased to recognize the following new publisher partners who have joined HINARI this year:

- Dansk Psykologisk Forlag
- John Libbey Eurotext
- National Institute of Mental Health
- Oxford University Press Books
- Royal College of Obstetricians and Gynaecologists



Search

- [HINARI](#)
- [About HINARI](#)
- [Full-text journals, databases and other resources](#)
- [Eligibility](#)
- [Register](#)
- [Partners](#)
- [Publishers' statement](#)
- [Training](#)**
- [Promotional materials](#)
- [Using HINARI](#)
- [Frequently asked questions](#)

## HINARI Training Materials

[Material de treinamento HINARI](#)

[HINARI Capacitação em Português](#)

### Distance learning courses

The HINARI Short Course (for users) and the HINARI Train the Trainers from developed countries) are online on the Medical Library distance learning server. These courses are self-paced, take completion of the exercises, students will receive certificates. access and registration

[Access and registration](#)

### Training modules

These modules are the components of the 'Train the Trainers' course. The material is comprehensive overview of the program. Each module contains a presentation and practical exercises.

#### Tips for Using

- Promoting HINARI disciplines at
- Tip of the Month

This page contains a series of modules that detail many of the features of HINARI that we have discussed – but in more detail.

Note **Module 7** that contains information about additional resources available from the HINARI website.

#### [Module 1. HINARI: The Beginning](#)

Basic Internet Concepts; E-Resources & Internet Searching; Health Internet Information

#### [Module 2. HINARI Website Interface & Resources](#)

Registration & Login, Finding Journals, Articles and other Full-text Resources

#### [Module 3. HINARI Partner Publishers' Resources](#)

Science Direct (Elsevier Science), HighWire Press, Wiley and Nature Publishing

#### [Module 4. HINARI/PubMed](#)

Website Interface; Using Limits; MeSH; History, Access to Full-text articles; My NCBI

#### [Module 5. Managing References](#)

EndNote Web Reference Management Software

#### [Module 6. HINARI Next Steps](#)

Tools for using the HINARI resources at your institution: Marketing Strategies for HINARI; Training Users on HINARI; Repackaging Health Information; Strategies for Managing Change for HINARI

#### [Module 7. HINARI Additional Resources](#)

Other HINARI resources including Evidence-based practice and E-books plus Information Literacy and WHO Resources

#### [Module 8. HINARI Template for Band 2 countries](#)

Suggested changes for workshops where some of the HINARI resources are not available

[Hinari: Quiz - updated 05 2009](#)

[doc, 41kb](#)

Test your HINARI knowledge

[to Research in the Environment](#)

### Photo Album

[HINARI Trainers Photo Album](#)

Information Training and Outreach Center for Africa (ITOCA)



[ITOCA training material](#)

### Contact HINARI

World Health Organization  
IER/KMS/LNK  
HINARI

## Brief training

### HINARI Short Course

Basic HINARI skills including Background, Registration & Login, Searching Strategies, HINARI and PubMed website features, MY NCBI and Training Materials. Self-paced, 4-8 hours to complete; also available as a distance learning course

CH-1211 Geneva 27  
Switzerland  
Fax: +41 22 791 4150  
hinari@who.int

## Training tools

↓ [Hinari 10 top Hints for use](#)

📎 ppt, 321kb

Useful ideas to use HINARI

↓ [HINARI: Access Problems and Solutions - updated 02 2010](#)

📎 ppt, 1.10Mb

Answers for common access problems

↓ [HINARI: The Basics - updated 02 2010](#)

📎 doc, 46kb

One page summary of key points

[HINARI: Do's and Don'ts - updated 04 2010](#)

Summary of copyright do's and don'ts

↓ [HINARI Frequently Asked Questions](#)

📎 ppt, 307kb

Common questions asked by others

↓ [HINARI Payment: The Basics - updated 05 2009](#)

📎 doc, 30kb

Outline of procedures for Band 2 countries

↓ [HINARI Printing, Copying, Saving and Emailing Articles: Problems and Solutions](#)

📎 - updated 03 2009

ppt, 1.96Mb

Answers for common printing and downloading problems

↓ [HINARI Registration Guidelines – updated 12 2010](#)

📎 pdf, 266kb

A step by step guide to registering

↓ [HINARI Training Material Overview - updated 09 2010](#)

📎 ppt, 2.29Mb

A summary of the HINARI training material - for trainers & course participants.

This additional slide highlights the **Brief training HINARI Short Course** and various **Training Tools** plus **Presentations**. Also note the **Authorship Skills** material – series of modules written to assist researchers in publishing their outcomes.

## Presentations

↓ [HINARI & R4L Overview for visitors from Eligible Countries - updated 12 2010](#)

📎 ppt, 2.33Mb

Overview for potential users or individuals who have linkages with eligible institutions.

[HINARI Overview for Registered Institutions – updated 04 2010](#)

For presentation at HINARI registered institutions; to promote the various resources (e-journals, reference sources, databases, etc.) to potential users.

## Authorship skills

[Hinari Authorship Skills](#)

Modules developed to assist authors in HINARI eligible countries; includes 'How to Write a Scientific Paper/Structured Abstract', 'Copyright and Plagiarism', 'Strategies of Effective Writing' and a 'Web-Bibliography'.

# Exercises 18–22

---

- Complete exercises 18-22 in the workbook.
- You have completed the HINARI Short Course!
- For further instruction, go to the HINARI Training page at [www.who.int/hinari/training/en/](http://www.who.int/hinari/training/en/)

Updated 2011 05