



*Canadian Agency for  
Drugs and Technologies  
in Health*

*Agence canadienne  
des médicaments et des  
technologies de la santé*

# **Grey Matters! Finding Grey Literature**

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Amanda Hodgson, MLIS

March 12, 2010

# Introduction - CADTH



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## CADTH Workshop: Grey Matters!

*Finding Grey Literature for Health Topics*  
March 12, 2010 - Toronto, ON

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In Memoriam:  
Dr. Jill M. Sanders

### What's New

- CADTH Interim Organizational Assignments  
**February 23, 2010**
- 2010 CADTH Symposium Preliminary Program Updated – Register Now  
**February 17, 2010**

The Canadian Agency for Drugs and Technologies in Health (CADTH) is a national body that provides Canada's federal, provincial and territorial health care decision makers with credible, impartial advice and evidence-based information about the effectiveness and efficiency of drugs and other health technologies.

Health Technology Assessment	Common Drug Review	Canadian Optimal Medication Prescribing & Utilization Service
Objective, comprehensive, factual assessments of the clinical effectiveness, cost effectiveness, and broader impact of drugs, health technologies, and health systems.	Objective, rigorous reviews of the clinical and cost effectiveness of drugs. Formulary listing recommendations for Canada's publicly funded drug plans.	Identification and promotion of evidence-based optimal drug therapy.
		More information » 

# Introduction - Outline

- Objective of the presentation is to discuss:
  - Definition of grey literature
  - Benefits and challenges of searching for grey literature
  - How to construct and execute a grey literature search
  - Present the CADTH Grey Matters Checklist to assist you in your searches
- \* Question and Answer session at the end of the presentation*

# What is Grey Literature?

Grey

In-house

Fugitive



Gray

Unpublished

Deep Web

# What is Grey Literature?

**International Conference on Grey Literature.** "Information produced on all levels of government, academics, business and industry in electronic and print formats not controlled by commercial publishing i.e. where publishing is not the primary activity of the producing body." (Luxembourg, 1997 - Expanded in New York, 2004) <http://www.greynet.org/greynethome.html>

**Source:** *GreyNet: grey literature network service. Amsterdam: GreyNet; 2008.*

# What is Grey Literature?

1. *How are grey literature definitions changing...or going grey?*
2. *What is grey literature searching?*
3. *Remember, the search is greater than the definition!*

# Benefits of Grey Literature

- *Current*
- *Often free*
- *Relevant and unique*
- *Information on non-mainstream topics or aspects*
- *Aids in identifying terms for search strategies*



# Publication Bias

*Necessary for certain types of research, like systematic reviews ---*

*“.... published trials tend to be larger and show an overall greater treatment effect than grey trials. This has important implications for reviewers who need to ensure they identify grey trials, in order to minimise the risk of introducing bias into their review.”*

**Source:** Hopewell S, McDonald S, Clarke MJ, Egger M. Grey literature in meta-analyses of randomized trials of health care interventions. Cochrane Database Syst Rev 2007;(2).



# Benefits of Searching for Grey literature

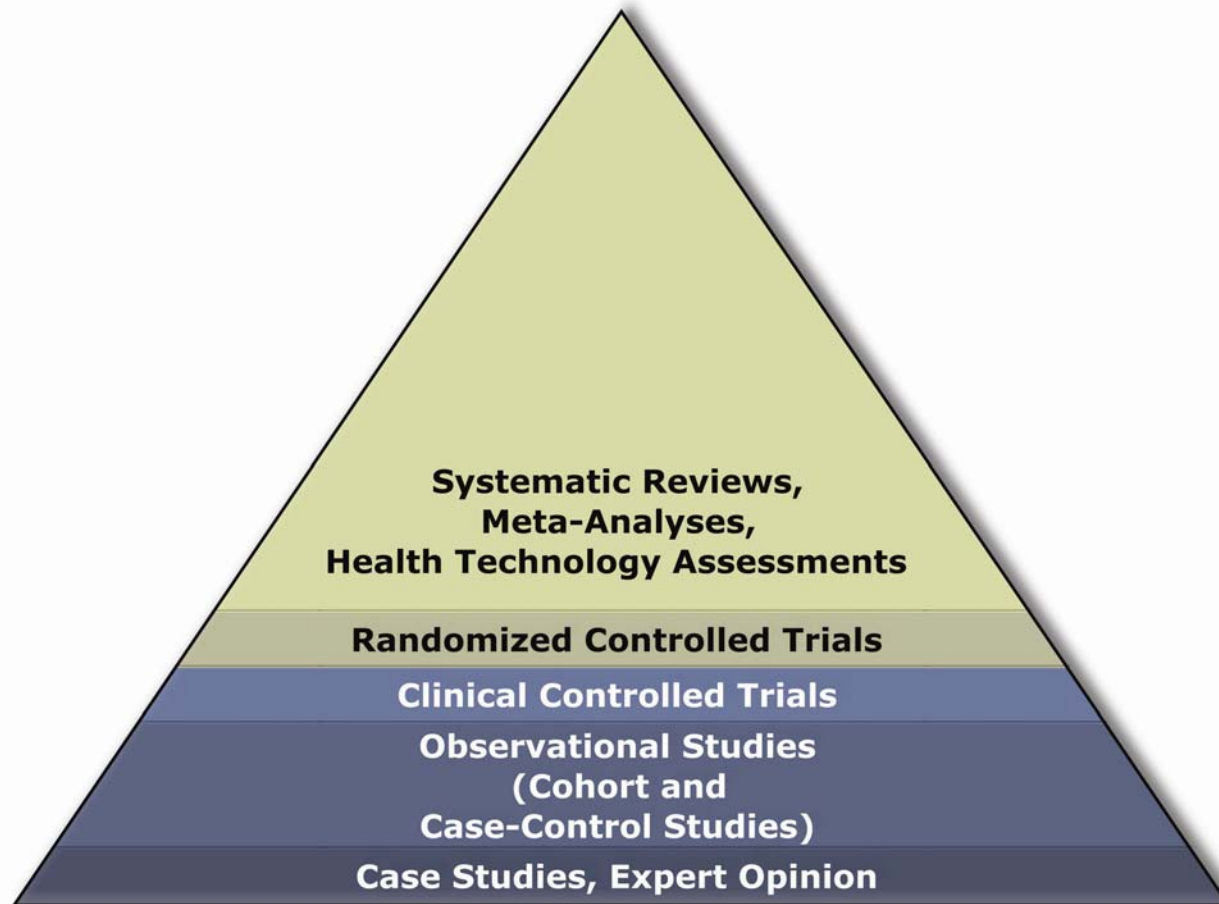
“Unpublished trials contribute about 20% of the weight in individual meta-analysis.”

**Source:** Krishnan RR. *Evidence-based practice: how to read what you read. Psychopharmacology Bulletin* 2004;37(4):88-91.

# Challenges of Grey Literature

- *Hard to find*
- *Many documents aren't web-published*
- *Older reports may not be archived online*
- *Format & citation information may be inconsistent*
- *May not be indexed or have a search interface*
- *Volume of material can be overwhelming and time-consuming*
- *Quality of evidence varies...*

# Quality of Evidence Hierarchy



# Starting your Grey Literature Search

***What is the purpose of the search?***

***What is the resulting report or information product?***

***What are your search parameters?***

***Topic, limits on date, geography, publication types***

# CADTH Systematic Search Approach

**1. Topic definition (PICO) and search terms**

**2. Comprehensive literature search**

**(a) Database search for commercially published literature (e.g. Ovid databases, PubMed)**

**(b) “Grey Literature” component**

- Often started at Step 1 to unearth search terms
- CADTH Grey Literature Checklists

# 1. Topic Definition

## ***PICO Model:***

**Population (Patient, Population, Problem)**

**Intervention**

**Comparator**

**Outcome**

***Describe each & find synonyms***

# PICO Example

***Question: what is the effectiveness of LABA plus corticosteroid inhalers compared to separate medication treatments for asthma?***

**P**     ***Asthma patients***

**I**     ***LABA plus inhaled corticosteroids (ICS) administered by inhaler***

**C**     ***LABA alone, ICS alone, or other asthma medications/inhalers***

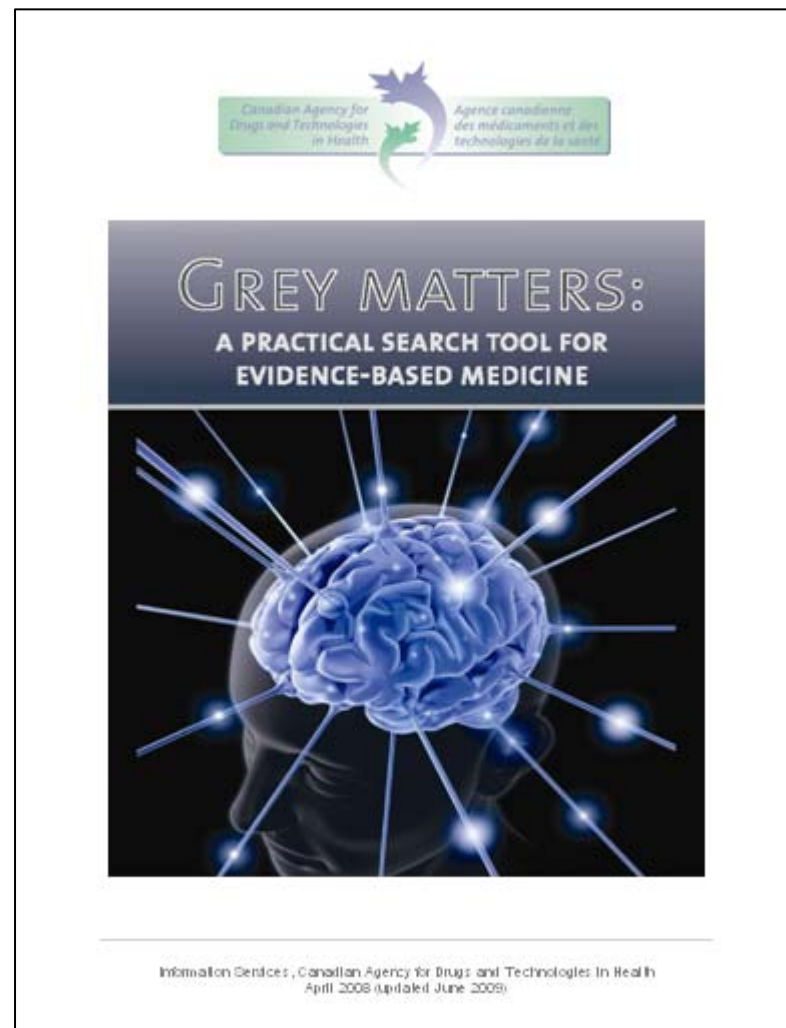
**O**     ***Better control of asthma symptoms; reduced airflow obstruction***



## 2. CADTH Grey Literature Checklist Online

***Grey Matters:  
a practical tool for  
evidence-based  
searching***

**<http://www.cadth.ca/>**



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## 2010 CADTH Symposium

### Halifax Marriott Harbourfront

April 18-20, 2010 | Halifax, Nova Scotia



**In Memoriam:**  
*Dr. Jill M. Sanders*

The Canadian Agency for Drugs and Technologies in Health (CADTH) is a national body that provides Canada's federal, provincial and territorial health care decision makers with credible, impartial advice and evidence-based information about the effectiveness and efficiency of drugs and other health technologies.

### What's New

- ▶ CADTH Interim Organizational Assignments

**February 23, 2010**

- ▶ 2010 CADTH Symposium Preliminary Program

### Health Technology Assessment

Objective, comprehensive, factual assessments of the clinical effectiveness, cost effectiveness, and broader impact of drugs, health

### Common Drug Review

Objective, rigorous reviews of the clinical and cost effectiveness of drugs. Formulary listing recommendations for Canada's publicly-funded drug

### Canadian Optimal Medication Prescribing & Utilization Service

Identification and promotion of evidence-based optimal drug therapy.

# Example: Regulatory Approvals section



## Drug and Device Regulatory Approvals

### Canada

PLEASE SELECT

PLEASE SELECT

searched; nothing found

not searched; not relevant

searched; results found

results may be of peripheral interest

#### Conseil du médicament Québec

<http://www.cdm.gouv.qc.ca/site/index.php?accueil>

*Using Google Advanced Search, type "www.cdm.gouv.qc.ca" in the domain box and type the drug name in the search box. For English publications, click on the "English Section" link in the left menu.*

[Languages: French, English]

PLEASE SELECT

#### Health Canada: Summary Basis of Decision (SBD)

[http://hc-sc.gc.ca/dhp-mps/prodpharma/sbd-smd/phase1-decision/index\\_e.html](http://hc-sc.gc.ca/dhp-mps/prodpharma/sbd-smd/phase1-decision/index_e.html)

#### Health Canada: Notice of Compliance Search

<http://www.hc-sc.gc.ca/dhp-mps/prodpharma/notices-avis/index-eng.php>

*This is a drug approval database.*

[Languages: English, French]

PLEASE SELECT

#### Medical Devices Active License Listing

<http://www.mdall.ca>

*Select "Active License Search."*

[Languages: English, French]

# Review: Tips for Saving Time

1. ***Do you need a few key items or a comprehensive search?***
2. ***Scope out major systematic reviews (e.g. Cochrane reviews) and HTAs first***
  - *Higher quality of evidence & reviews the literature*
  - *Search strategy and keyword ideas for database search*
3. ***Have a well-developed strategy in advance***
  - *Having a PICO & synonyms reduces backtracking*
  - *Use a checklist for tracking sources*
4. ***Corollary: don't spend too much time tracking!***
  - *Record URL & minimal details to fully cite later*

# **Grey Literature Categories**

***Health Technology Assessment (HTA) agencies***

***Health Economics***

***Clinical Practice Guidelines***

***Drug/Devices Approval***

***Advisories/Warnings***

***Drug Class Reviews***

***Clinical Trials***

***Databases***

***Statistics***

***Open Access Journals***

***Additional Grey Literature Types and Sources***

# Health Technology Assessments (HTAs)

***Highest quality evidence comes from:***

- ***Systematic reviews (SR)***
- ***Meta-analyses (MA)***
- ***Health technology assessments (HTA)***



# Systematic Review

*Review of studies in which evidence has been **systematically** searched for, studied, assessed, and **summarised** according to predetermined criteria.*

*Definitions based on NLM, Cochrane Glossary, INAHTA, CADTH definitions.*



# Meta-analysis

*Use of **statistical techniques for combining results** from different studies to obtain a quantitative estimate of the overall effect of a particular intervention, potentially producing a stronger conclusion than any individual study*

# Health Technology Assessment

*Multidisciplinary and systematic policy analysis, that studies the clinical, social, ethical, and economic implications of a drug, medical system, or health technology.*

*Primary purpose is to inform health policy and clinical practice decision makers.*

# HTA Highlights

## Canadian:

*Canadian Agency for Drugs and Technologies in Health (CADTH)* <http://www.cadth.ca>

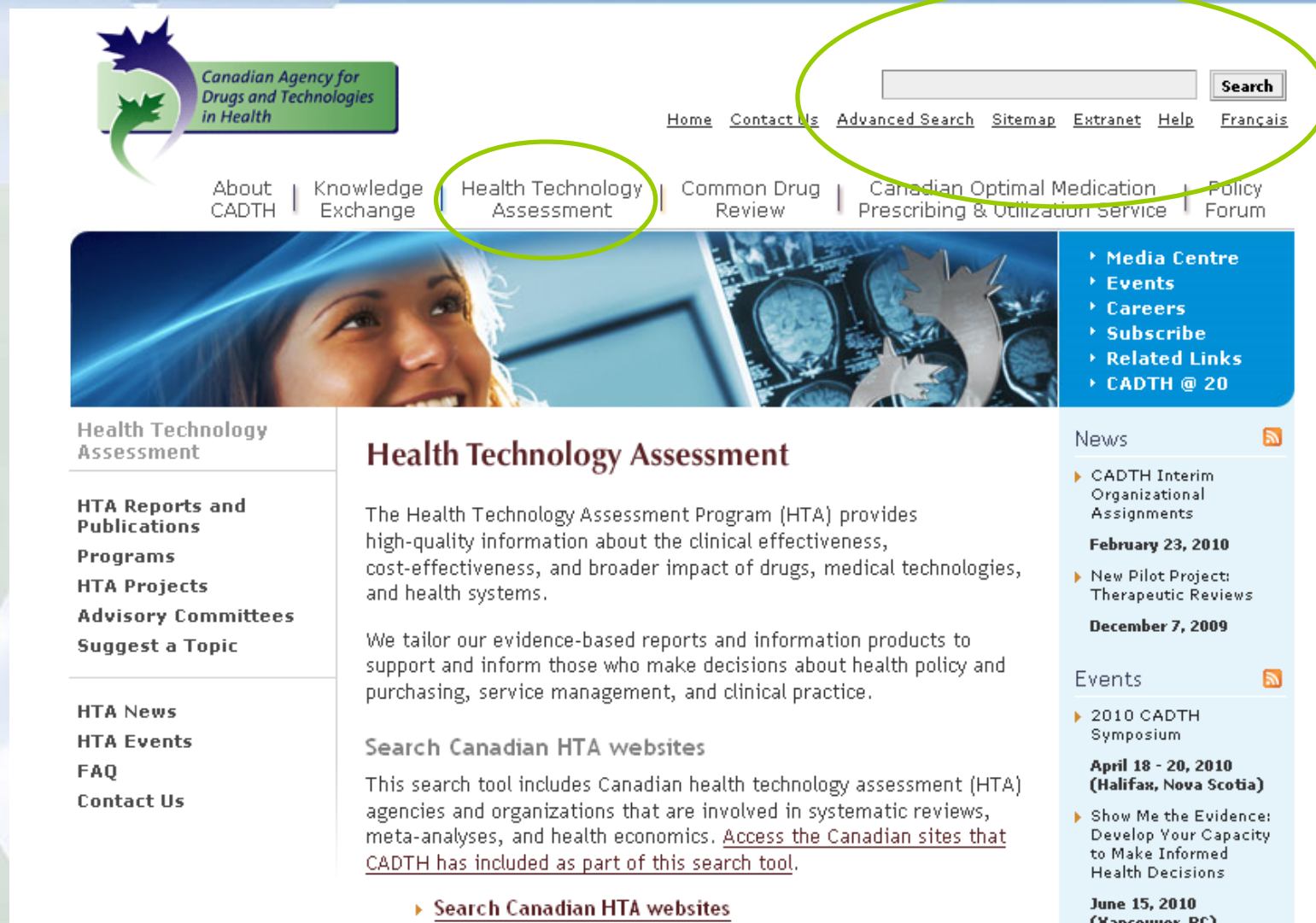
*Agence d'évaluation des technologies et des modes d'intervention en santé (AETMIS)* <http://www.aetmis.gouv.qc.ca/>

## International:

*Health Technology Assessment International (HTAi) Vortal*  
<http://www.htai.org/>

*National Coordinating Centre for Health Technology Assessment & their NIHR Health Technology Assessment Program*  
<http://www.hta.ac.uk/>

# HTA Highlights - CADTH



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## Health Technology Assessment

The Health Technology Assessment Program (HTA) provides high-quality information about the clinical effectiveness, cost-effectiveness, and broader impact of drugs, medical technologies, and health systems.

We tailor our evidence-based reports and information products to support and inform those who make decisions about health policy and purchasing, service management, and clinical practice.

### Search Canadian HTA websites

This search tool includes Canadian health technology assessment (HTA) agencies and organizations that are involved in systematic reviews, meta-analyses, and health economics. [Access the Canadian sites that CADTH has included as part of this search tool.](#)

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**February 23, 2010**

► New Pilot Project: Therapeutic Reviews  
**December 7, 2009**

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**April 18 - 20, 2010 (Halifax, Nova Scotia)**

► Show Me the Evidence: Develop Your Capacity to Make Informed Health Decisions  
**June 15, 2010 (Vancouver, BC)**

# HTA Highlights - AETMIS

Agence d'évaluation  
des technologies  
et des modes  
d'intervention en santé

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The AETMIS Web Site: 934 active pages and announcements

Monday, March 08, 2010

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### 2009

#### Sentinel Lymph Node Biopsy in Breast Cancer Treatment : Technical Aspects

[2009-10] - ID : 12285/12388 - Report prepared by **Cathy Gosselin**, AETMIS, Montréal, 2009

[2009\\_10\\_res\\_en.pdf](#) | English summary | 224,1 KB

[ETMIS2009\\_Vol.5\\_No10.pdf](#) | French report | 2 MB

[2009\\_10\\_res\\_fr.pdf](#) | French summary | 459,8 KB

#### Curative Treatment for Esophageal Cancer: Systematic Review of Neoadjuvant Therapy and Chemoradiotherapy Alone

[2009-09] ID : 12344/12345 Report prepared by **Faiza Boughrassa**, AETMIS, Montréal, 2009

[2009\\_09\\_res\\_en.pdf](#) | English summary | 340,4 KB

[ETMIS2009\\_Vol.5\\_No9.pdf](#) | French report | 1,9 MB

[2009\\_09\\_res\\_fr.pdf](#) | French summary | 348,9 KB



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The HTAi IRG continues to develop a new federated search application using Google that searches across all public-access web sites currently listed in the HTAi Vortal.

Use the [Google search tips](#) to refine your search. Your results list will appear as Google pages.

Questions/Feedback? Email [alligoode67@verizon.net](mailto:alligoode67@verizon.net)

Try out the Vortal custom search box to search multiple HTA and related web sites:

<input type="text" value="Google™ Custom Search"/>	<input type="button" value="Search"/>
--	---------------------------------------

Last update of this page: 23. Mar, 2009



# HTA Highlights – NIHR HTA



NIHR Health Technology Assessment programme

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**NHS**

National Institute for  
Health Research

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## Welcome

The HTA programme is part of the National Institute for Health Research (NIHR). It produces independent research information about the effectiveness, costs and broader impact of healthcare treatments and tests for those who plan, provide or receive care

in the NHS.

For details about the new NIHR/MRC joint strategy for translational research and the new opportunities for research that this presents visit our **new opportunities** zone.

## Our research

### Browse HTA research



Browse published HTA research, research in progress and investigate HTA research priorities

### Research for policy makers



Find out about HTA research for NICE and other policy customers

## Working with us

### Looking for funding?



Find out about current HTA funding opportunities and how to apply.

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Find out how to go about suggesting a research topic for the

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## Latest news

04 March 2010

**Is oxygen therapy effective for chronic heart failure?**

01 March 2010

**Management of frozen shoulder to be assessed**

26 February 2010

**HTA paper on back pain published in The Lancet**

23 February 2010

**Methods for the prevention of STIs reviewed**

[More news stories...](#)

## What's related:

European Network for Health Technology Assessment (EUnetHTA)

## Web links:

[More involvement and](#)

Which  
programme?



Standard Calls

funding open



New opportunities

# Health Economics

***Focus is on choices, value judgements with regard to health care decision making***

*Direct/indirect costs*

*Statistics, incidence/prevalence*

*Socioeconomic*

*Quality of life*

*Economic evaluations*

- cost-effectiveness*
- cost-minimization*
- cost-benefit*
- cost-utility*

# Health Economics

## Highlights

***Centre for Health Economics and Policy Analysis (CHEPA)***

<http://www.chepa.org>

***EURONHEED (European Network of Health Economic Evaluation Databases)***

<http://infodoc.inserm.fr/euronheed/Publication.nsf>

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CHEPA Faculty members produce an average of 100 publications per year, including books, peer-reviewed articles, editorials and government reports. Research conducted by CHEPA members and staff can be found in a range of journals and other publications that deal with health economics, health policy and health treatments and care.

A comprehensive database of all publications by CHEPA faculty from 1992 to April 2009 is available. To search this database, [click here](#).

## Recent Publications

**DeJean D, Giacomini M, Schwartz L, Miller F.** Ethics in Canadian health technology assessment: A descriptive review. *International Journal of Technology Assessment in Health Care*. 2009 Fall; 25(4): 463-469.

**Grignon M.** An empirical investigation of heterogeneity in time preferences and smoking behaviors. 2009 October; 38(5) 739-751.

Hoffman SJ, **Lavis JN**, Bennett S. The use of

# Health Economics – CHEPA 2



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Featuring the research of faculty, associates, and staff of the Centre, this series provides a means to circulate polished, but not yet published, reports of compiled research. CHEPA Working Papers are available as pdfs.

To submit a paper to the series please complete the [submission review form](#).

10-01: Mentzakis E, Stefanowska P, Hurley J. **A Discrete Choice Experiment Investigating Preferences for Funding Drugs Used to Treat Orphan Diseases** [Available in PDF](#)

09-05: Lessard C, Birch S. **Complex Problems or Simple Solutions? Enhancing Evidence-based Economics to Reflect Reality.** [Available in PDF](#)

09-04: McDonald, H. **Criteria for Evaluating the Quality of Decision Aids: A Critical Appraisal of the IPDAS Presentation of Probabilities Domain.** [Available in PDF](#)

09-03: Longo, C. Grignon, M. **The Value of Fixed-Reimbursement Healthcare Insurance - Evidence from Cancer Patients in Ontario, Canada.** [Available in PDF](#)

09-02: Giacomini M. **Theory Based Medicine and the Role of Evidence: Why the Emperor Needs New Clothes, Again** [Available as a PDF](#)



# Health Economics - EURONHEED



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European Network of Health  
Economics Evaluation Databases

financed by the European Commission 

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The **EURONHEED** Project has been initiated by the **Collège des Économistes de la Santé (CES)**, the French Health Economists Association, which will act as overall co-ordinator and six other European centres are partners of the Project :

[CRD](#) - University of York (UK),  
[FGG](#) - Universitaet Hannover (GE),  
[iBMG](#) - Erasmus University in Rotterdam (NL),  
[CESAV](#) - Istituto Ricerche Farmacologi. M.Negri (IT),  
[Dpt Economics](#) - Universidad de la Rioja (SP),  
[SHECAB](#) - Stockholm Health Economics (SW)

Funding for 3 years has been obtained in 2002 through successful application to the [European Commission](#) under the programme [Quality of life and Management of Living Resources](#) (contract QL67-CT2002-02379). The project was [launched in February 2003](#).

The aim of the project is **to develop a European Network of Health Economic Evaluation Databases**.

This network will be built on the foundations of two established databases UK's NHS Economic Evaluation Database ([NHS EED](#)) and the French Connaissances et Décision en Économie de la Santé ([CODECS](#)) database.

The EURONHEED portal, gathering the 7 EURONHEED databases is open to the public since the September 2005.


Search :

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European Network of Health Economics Evaluation Databases

financed by the European Commission 

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**Number of documents found :3**

<input type="checkbox"/>	Health state utilities for childhood attention-deficit/hyperactivity disorder based on parent preferences in the United Kingdom	<input checked="" type="checkbox"/> Secnick <i>Medical Decision Making</i> [2005] K
<input type="checkbox"/> [Replication or Save Conflict]		
<input type="checkbox"/>	Methylphenidate in children with hyperactivity: review and cost-utility analysis	<input checked="" type="checkbox"/> Gilmore <i>A Pharmacoeconomics &amp; Drug Safety</i> [2001]

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# Health Economics – EURONHEED 3

## Title

Methylphenidate in children with hyperactivity: review and cost-utility analysis

## Authors

Gilmore A; Milne R

## References

20010201358

### Source

Pharmacoepidemiology & Drug Safety. 10(2):85-94, 2001

### Publication language

GB

### Keywords (from the authors)

-

### Keywords (MESH)

Subject indexing assigned by NLM:; Attention-Deficit-Disorder-with-Hyperactivity/dt (drug-therapy); Attention-Deficit-Disorder-with-Hyperactivity/ec (economics); Child; Costs-and-Cost-Analysis; Great-Britain; Human; Methylphenidate/ec; (economics); Methylphenidate/tu (therapeutic-use); Quality-Adjusted-Life-Years; Randomized-Controlled-Trials; Sensitivity-and-Specificity; Sympathomimetics/ec (economics); Sympathomimetics/tu (therapeutic-use)

### Health technology

The use of methylphenidate for the treatment of children with hyperkinetic disorders, as defined using the ICD-10 criteria.

Done

# Clinical Practice Guidelines

A search for clinical practice guidelines may extend to association websites or organizations dedicated to a particular disease or patient group, depending on the requirements of the search.

- ***Guidelines***
- ***Protocols***
- ***Position statements***
- ***Patient information sheets and resources***

# Clinical Practice Guidelines

## Highlights

***National Guideline Clearinghouse***

***<http://www.guideline.gov>***

***NHS National Institute for Clinical Excellence (NICE)***

***<http://www.nice.org.uk>***

# Clinical Practice Guidelines - NGC



National Guideline Clearinghouse  
www.guideline.gov



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Your search criteria:

**Keyword:** "rheumatoid arthritis" AND (abatacept\* OR orenicia\*)

Your search found 4 related guidelines, which are listed below by relevance. Use the "Limit Search" button to sort by publication date.

To view a guideline summary, click on a title below.

Items 1 to 4

### Title

- ☐ [Abatacept for the treatment of rheumatoid arthritis](#). National Institute for Health and Clinical Excellence (NICE) - National Government Agency [Non-U.S.]. 2008 Apr. 29 pages. NGC:006483  
[Other Guidelines from this Developer](#)
- ☐ [Rheumatoid arthritis. The management of rheumatoid arthritis in adults](#). National Collaborating Centre for Chronic Conditions - National Government Agency [Non-U.S.]. 2003 Nov (revised 2009 Feb). 35 pages. NGC:007178  
[Other Guidelines from this Developer](#)
- ☐ [Clinical practice guideline for the management of rheumatoid arthritis in Spain](#). Advanced Research Techniques in the Health Sciences - Private For Profit Research Organization

Internet

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# Clinical Practice Guidelines – NGC 2



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- » [Guideline Archive](#)

## Compare

## Brief Summary

### GUIDELINE TITLE

**Abatacept** for the treatment of **rheumatoid arthritis**.

### BIBLIOGRAPHIC SOURCE(S)

National Institute for Health and Clinical Excellence (NICE). **Abatacept** for the treatment of **rheumatoid arthritis**. London (UK): National Institute for Health and Clinical Excellence (NICE); 2008 Apr. 29 p. (Technology appraisal guidance; no. 141).

### GUIDELINE STATUS

This is the current release of the guideline.

## BRIEF SUMMARY CONTENT

[RECOMMENDATIONS](#)

[EVIDENCE SUPPORTING THE RECOMMENDATIONS](#)

[IDENTIFYING INFORMATION AND AVAILABILITY](#)

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## RECOMMENDATIONS

### MAJOR RECOMMENDATIONS

**Abatacept** is not recommended (within its marketing authorisation) for the treatment of people with **rheumatoid arthritis**.

Patients currently receiving **abatacept** for the treatment of **rheumatoid arthritis** should have the option to continue therapy until they and their clinicians consider it appropriate to stop.

### CLINICAL ALGORITHM(S)



# Clinical Practice Guidelines - NICE



National Institute for  
Health and Clinical Excellence

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## Consultations

- Rheumatoid arthritis - tocilizumab (appraisal consultation 3)
- Myelodysplastic syndromes - azacitidine (final appraisal determination)
- Crohn's disease - infliximab (review) and adalimumab (final appraisal determination)
- Leukaemia (chronic lymphocytic, relapsed) - rituximab (final appraisal determination)
- [See all consultations](#)
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## Welcome to the National Institute for Health and Clinical Excellence

NICE is an independent organisation responsible for providing national guidance on promoting good health and preventing and treating ill health.



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Evidence

NHS Evidence helps you find, access, and use high quality clinical information

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- Donor breast milk banks
- Rheumatoid arthritis - certolizumab pegol
- School-based interventions to prevent smoking
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## Search NICE guidance

Want to know what NICE recommends?

## NICE cost-saving support



Disinvestment. Decommissioning. Saving money. Whatever you call it, the NHS faces an

## Latest news



- NICE recommends drug for most common form of leukaemia  
4 Mar 2010

# Clinical Practice Guidelines – NICE 2

The screenshot displays the NICE (National Institute for Health and Clinical Excellence) website. The top navigation bar includes links for 'Skip to content', 'Vision impaired', 'Login', 'Links', 'Glossary', 'Contact', 'Sitemap', and 'Site help'. The NICE logo and name are on the left, and a search bar with 'NICE' and 'NHS Evidence' filters is on the right. A secondary navigation bar contains links for 'Home', 'Our guidance', 'Using guidance', 'Get involved', 'News room', 'About NICE', and 'What is NHS evidence?'. Below this, a breadcrumb trail reads 'Home... Our guidance... NICE guidance by topic... Musculoskeletal ... Rheumatoid arthritis'. The left sidebar lists 'NICE guidance by type' and 'NICE guidance by topic', with the latter expanded to show categories like 'Blood and immune system', 'Cancer', 'Cardiovascular', 'Central nervous system', 'Digestive system', 'Ear and nose', 'Endocrine, nutritional and metabolic', 'Eye', 'Gynaecology, pregnancy and birth', 'Infectious diseases', and 'Injuries, accidents'. The main content area is titled 'Musculoskeletal' and contains a sub-header 'Completed guidelines' with a link to 'Rheumatoid arthritis'. Below this is a section for 'Guidelines in development' with a 'None' link. Further down is a section for 'Completed appraisals' with four links: 'Rheumatoid arthritis (refractory) - abatacept', 'Rheumatoid arthritis (refractory) - rituximab', 'Rheumatoid arthritis - adalimumab, etanercept and infliximab', and 'Rheumatoid arthritis - certolizumab pegol'. The bottom of the page shows a Windows taskbar with an 'Internet' icon and a 100% zoom level.

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Home... Our guidance... NICE guidance by topic... Musculoskeletal ... Rheumatoid arthritis

NICE guidance by type

NICE guidance by topic

Blood and immune system

Cancer

Cardiovascular

Central nervous system

Digestive system

Ear and nose

Endocrine, nutritional and metabolic

Eye

Gynaecology, pregnancy and birth

Infectious diseases

Injuries, accidents

## Musculoskeletal

Click on the links below to see details of all the clinical guidelines, published or in development, in this topic area.

### Completed guidelines

- Rheumatoid arthritis

### Guidelines in development

- None

Click on the links below to see details of all the technology appraisals, published or in development, in this topic area.

### Completed appraisals

- Rheumatoid arthritis (refractory) - abatacept
- Rheumatoid arthritis (refractory) - rituximab
- Rheumatoid arthritis - adalimumab, etanercept and infliximab
- Rheumatoid arthritis - certolizumab pegol

Internet 100%



# Drug and Devices Approvals

**Regulatory approvals must be granted by government bodies for drugs and health devices. Information on the expansion of patient groups for previously approved drugs or withdrawals of medicines/devices from the market are often available.**

# Drug and Devices Approvals

## Highlights

***Medical Devices Active License Listing (Canada)***

**<http://www.mdall.ca>**

***European Medicines Agency***

**<http://www.ema.europa.eu/>**

# Drug and Devices Approvals - MDALL



Health  
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Santé  
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Canada



## Health Canada

www.hc-sc.gc.ca

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**Drugs and Health Products**

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**Medical Devices Active Licences Search**

<a href="#">Overview</a>	<a href="#">What's New (2007-10-10)</a>	<a href="#">Archived Licence Search</a>	<a href="#">Advisories &amp; Warnings</a>	<a href="#">Contact Us</a>
--------------------------	---	---	---	----------------------------

☐ Company Name

☐ Licence Name

☐ Device Name

☐ Company ID

☐ Licence Number

☐ Device Identifier

Search for: 

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# Drug and Devices Approvals - EMA

## European Medicines Agency

New URL: [ema.europa.eu](http://ema.europa.eu)

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### EPARs for authorised medicinal products for human use

#### Product Overview

##### Name of the Medicinal Product

Prezista

##### Marketing Authorisation Holder

Janssen-Cilag  
International NV  
Turnhoutseweg 30  
BE-2340 Beerse  
Belgium

##### Active Substance

darunavir

##### International Nonproprietary Name or Common Name

darunavir

##### Pharmaco-therapeutic Group

Antivirals for  
systemic use

##### ATC Code

J05AE10

##### Therapeutic Indication

PREZISTA, co-

#### Prezista

#### European Public Assessment Report

Revision 12 - Published  
05/11/09

H-C-707

BG ES CS DA DE ET EL EN FR IT LV LT HU MT NL PL PT RO SK SL FI SV See Glossary of language codes...

Summary for the public

All Authorised Presentations

Scientific Discussion (6)

Procedural steps taken before  
authorisation

Procedural steps taken and scientific  
information after authorisation (8)

#### Product Information\*

23/10/2009 Prezista-H-C-707-II-27

BG ES CS DA DE ET EL EN FR IT LV LT HU MT NL PL PT RO SK SL FI SV See Glossary of language codes...

(\*): This document includes:

Annex I - Summary of product Characteristics

Annex IIA - Manufacturing Authorisation Holder responsible for Batch Release

Annex IIB - Conditions of the Marketing Authorisation

Annex IIIA - Labelling

Annex IIIB - Package Leaflet

Please note that the size of the above document can exceed 50 pages.

You are therefore advised to be selective about which sections or pages you wish to print.

#### Glossary

BG = български  
ES = español  
CS = čeština  
DA = dansk  
DE = Deutsch  
ET = eesti keel  
EL = ελληνικά  
EN = English  
FR = français  
IT = italiano  
LV = latviešu valoda  
LT = lietuvių kalba  
HU = magyar  
MT = Malti  
NL = Nederlands  
PL = polski  
PT = português  
RO = română  
SK = slovenčina  
SL = slovenščina  
FI = suomi  
SV = svenska

Internet

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# Advisories/Warnings

Medical advisories and warnings are reported by governments internationally.

- *Adverse effect/events*
- *Safety concerns (devices and medical procedures)*
- *Withdrawals from the market*

# Advisories/Warnings

## Highlights

***MedEffect. Health Canada***

***[http://www.hc-sc.gc.ca/dhp-mps/medeff/index\\_e.html](http://www.hc-sc.gc.ca/dhp-mps/medeff/index_e.html)***

***Medwatch. U.S. Food and Drug Administration***

***<http://www.fda.gov/Safety/MedWatch/default.htm>***



# Advisories/Warnings - MedEffect

## Products

### MedEffect Canada

Adverse Reaction Database

Adverse Reaction Information

Adverse Reaction Reporting

Advisories, Warnings & Recalls

Canadian Adverse Reaction Newsletter (CARN)

Consultations

Expert Advisory Committee on the Vigilance of Health Products

Learning Centre

MedEffect e-Notice

Resource Centre

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Main Menu

## MedEffect™ Canada

Together we can improve health product safety

[www.healthcanada.gc.ca/medeffect](http://www.healthcanada.gc.ca/medeffect)



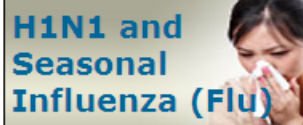
### MedEffect Canada

MedEffect Canada provides consumers, patients, and health professionals with easy access to:

- [Report an adverse reaction or side effect;](#)
- [Obtain new safety information on drugs and other health products;](#) and
- [Learn and better understand the importance of reporting side effects.](#)

### Latest Advisories, Warnings and Recalls

- [Foreign Product Alert - Tian Yang Xu Huo Oral Ulcer Capsule](#) [2010-03-01]
- [Foreign Product Alert - STRO Emperor Capsules](#) [2010-03-01]



- [Foreign Product Alert - 65 products sold through Bodybuilding.com](#) [2010-03-01]

## Quick Links

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# Advisories/Warnings - MedWatch

U.S. Department of Health & Human Services [www.hhs.gov](http://www.hhs.gov)

**FDA U.S. Food and Drug Administration** A-Z Index Search  go

Home | Food | Drugs | Medical Devices | Vaccines, Blood & Biologics | Animal & Veterinary | Cosmetics | Radiation-Emitting Products | Tobacco Products

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## Safety

Home > Safety > MedWatch The FDA Safety Information and Adverse Event Reporting Program

### MedWatch The FDA Safety Information and Adverse Event Reporting Program

Safety Information

Reporting Serious Problems to FDA

### Resources for You

- Report a Serious Medical Product Problem Online
- Medical Product Safety Educational Resources
- DailyMed (National Institutes of Health)
- Medication Guides
- Index to Drug-Specific Information

### MedWatch: The FDA Safety Information and Adverse Event Reporting Program

Search MedWatch  go

*Your FDA gateway for finding clinically important safety information and reporting serious problems with human medical products.*

#### What's New

- [Thomas Medical Products, Inc., Transseptal Sheath Introducer Kits: Class I Recall](#)  
Sheath tip may break off and separate during heart procedures, causing a blockage that could lead to permanent injury and/or death.  
Posted 03/05/2010

### Spotlight

- 2010 Safety Alerts for Human Medical Products
- Medical Product Safety Educational Resources
- MedWatch Widget
- MedWatch Partners

### Recalls & Alerts

- MedWatch Safety Alerts for Human Medical Products
- FDA Patient Safety News Video Broadcasts
- FDA Drug Safety Newsletter

ation/SafetyAlertsforHumanMedicalProducts/ucm203272.htm

# Drug Class Reviews

## Highlights

***Drug Effectiveness Review Project (DERP), Oregon Health & Science University***

***<http://www.ohsu.edu/drugeffectiveness/reports/index.cfm>***

***U.S. Department of Veterans Affairs, Drug Class Reviews***

***<http://www.pbm.va.gov/PMB/reviews.htm>***

# Clinical Trials (Ongoing)

*Valuable information on the safety and efficacy of new drugs and therapies as well as new uses for known treatments*

*Information on studies that may not be published yet*

*Tip: Check the product manufacturer's website for trial lists*

# Clinical Trials (Ongoing)

## *Highlights*

***ClinicalTrials.gov (U.S. National Institutes of Health)***

**<http://clinicaltrials.gov/>**

***Current Controlled Trials***

**<http://www.controlled-trials.com/>**

# Clinical Trials (Ongoing) – Clinicaltrials.gov

List Results

Refine Search

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Results on Map

Search Details

Found 9 studies with search of: Prezista\* OR darunavir\* OR TMC-114 OR TMC114 OR UIC94017 OR UIC-94017 | Child

[Hide studies that are not seeking new volunteers.](#)

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Display Options - choose fields to display in search results below

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|---|--|--|-------------------------------------|--|
| <input checked="" type="checkbox"/> Condition | <input checked="" type="checkbox"/> Intervention | <input type="checkbox"/> Sponsor             | <input type="checkbox"/> Gender     | <input checked="" type="checkbox"/> Age Group    |
| <input checked="" type="checkbox"/> Phase     | <input type="checkbox"/> Number Enrolled         | <input type="checkbox"/> Funded By           | <input type="checkbox"/> Study Type | <input type="checkbox"/> Study Design            |
| <input checked="" type="checkbox"/> NCT ID    | <input type="checkbox"/> Other IDs               | <input type="checkbox"/> First Received Date | <input type="checkbox"/> Start Date | <input type="checkbox"/> Completion Date         |
|   | <input type="checkbox"/> Last Updated Date       | <input type="checkbox"/> Last Verified Date  | <input type="checkbox"/> Acronym    | <input type="checkbox"/> Primary Completion Date |

Rank	Status	Study
1	Active, not recruiting	<p><a href="#">A Pediatric Trial to Provide Dose Recommendation of TMC114/Rtv in HIV-1 Infected Children and Adolescents</a></p> <p>Conditions: HIV-1; HIV Infections</p> <p>Interventions: Drug: TMC114/rtv Part I and Part II(20-50kg); Drug: TMC114/rtv Part I and Part II (20-50kg); Drug: TMC114/rtv Part III (Adult dose&gt;50kg)</p> <p>Group: Child</p> <p>Phase: Phase II</p> <p>NCT ID: NCT00355524</p>
2	Active, not recruiting	<p><a href="#">TMC114-TiDP29-C228 - A Safety Study to Evaluate the Antiviral Activity of Darunavir (DRV) in Combination With Ritonavir (Rtv) in HIV 1 Infected Children From 3 Years to Below 6 Years of Age</a></p> <p>Condition: HIV Infections</p> <p>Interventions: Drug: liquid ritonavir; Drug: Darunavir tablets; Drug: Darunavir suspension</p> <p>Group: Child</p> <p>Phase: Phase II</p> <p>NCT ID: NCT00919854</p>



# Clinical Trials – Current Controlled Trials

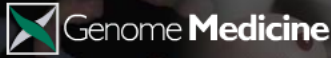
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05 March 201

Current Controlled Trials


- Trial registration
- Unique identification scheme
- International databases

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**metaRegister of Controlled Trials (mRCT) - active registers**

SEARCH FOR	RESULTS ORDER	DIRECTION	MAX RESULTS	ALL REGISTERS	
Prezista* OR darunavir* OR	Register	Descending	10 per page	<input type="checkbox"/>	GO


Those registers which appear below regularly update their records in the metaRegister of Controlled Trials (at least annually).

<input checked="" type="checkbox"/>	ISRCTN Register (International) - copy of ISRCTN Register	<input checked="" type="checkbox"/>	NIHR Health Technology Assessment Programme (HTA) (UK) - subset from ISRCTN Register
<input checked="" type="checkbox"/>	Action Medical Research (UK) - subset from ISRCTN Register	<input checked="" type="checkbox"/>	The Wellcome Trust (UK) - subset from ISRCTN Register
<input checked="" type="checkbox"/>	Medical Research Council (UK) - subset from ISRCTN Register	<input checked="" type="checkbox"/>	UK trials (UK) - subset from ISRCTN Register, UK trials only
<input type="checkbox"/>	NIH ClinicalTrials.gov Register (International) - subset of randomised trial records		

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# Databases

- *Excellent place to find key sources FAST*
- *Retrieve grey literature in addition to traditional commercially published literature*

## **NHS CRD**

*Centre for Reviews & Dissemination, University of York, UK*

<http://www.crd.york.ac.uk/crdweb/>

**Cochrane Library** *(free full text in NB, NS, NU, SK, YK, NWT)*

<http://www.thecochranelibrary.com/>

**TRIP Database** <http://www.tripdatabase.com/>

# Databases – CRD



## Search

☒ All these words

☐ Any of these words





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Year published  From  -

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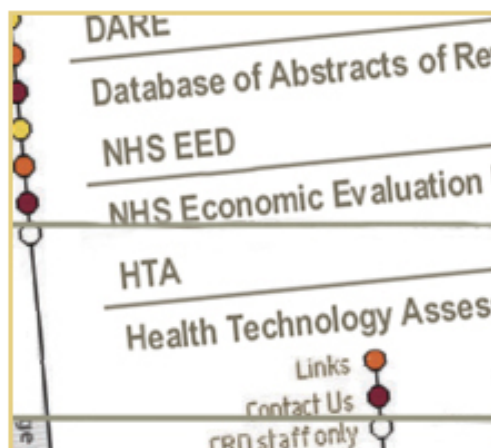
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All results

DARE

NHS EED

HTA



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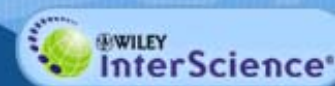
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Evidence for healthcare decision-making



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The Cochrane Library contains high-quality, independent evidence to inform healthcare decision-making. It includes reliable evidence from Cochrane and other systematic reviews, clinical trials, and more. Cochrane reviews bring you the combined results of the world's best medical research studies, and are recognised as the gold standard in evidence-based health care.

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As a new user we recommend you use the following resources to help you navigate through the evidence and get the most out of The Cochrane Library. [More](#)

## For Clinicians

As a clinician you are under constant pressure to have high-quality, up-to-date evidence at your fingertips. [More](#)

## For Researchers

The internet has given us instant access to a huge amount of research, but the large volume of available information is a problem in itself. [More](#)

## For Patients

Healthcare consumers and patients need high-quality evidence about the effectiveness of treatments. [More](#)

## For Policy Makers

As a policy maker or healthcare manager you are a generalist in search of high-quality information across a broad range of issues. [More](#)

## What's New in February 2010?

**Cochrane Evidence Aid: Resources for Chile and Haiti earthquakes**

**Cochrane Reviews of Prevention and Treatment of Influenza**

[Flexible working conditions and their effects on employee health and wellbeing](#)

[\[Podcast\]](#)

[Vaccines for preventing influenza in the elderly](#) [\[Podcast\]](#)

[Influenza vaccination for healthcare workers who work with the elderly](#)

[\[Podcast\]](#)

[Physical examination for lumbar radiculopathy due to disc herniation in patients with low-back pain](#)

[Zinc supplements for preventing otitis media](#)

UPDATE: Cochrane Database of Systematic Reviews moves to monthly publication - [details have been updated](#) from February 2010






# Databases – Cochrane Library (results)

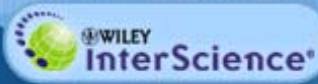
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# The Cochrane Library

Evidence for healthcare decision-making



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## Search Results

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There are 23 results out of 6076 records for: "hyperbaric oxygen" in Title, Abstract or Keywords in Cochrane Database of Systematic Reviews" [Save Search](#) [Edit Search](#)

View: 1-23

[Export All Results](#)

Record Information	Issue: <a href="#">Current</a>   <a href="#">All</a>	Restrict to: <a href="#">Reviews</a>   <a href="#">Protocols</a>	Sort by: <a href="#">Record Title</a>   <a href="#">Match %</a>   <a href="#">Date</a>
<input type="checkbox"/> <a href="#">Hyperbaric oxygen for carbon monoxide poisoning</a> David N Juurlink, Nick Buckley, Matthew B Stanbrook, Geoff Isbister, Michael H Bennett, Michael McGuigan January 2009 <a href="#">Review</a>			
<input type="checkbox"/> <a href="#">Hyperbaric oxygen as an adjuvant treatment for malignant otitis externa</a> John S Phillips, Stephen EM Jones April 2009 <a href="#">Review</a>			
<input type="checkbox"/> <a href="#">Hyperbaric oxygen therapy for the adjunctive treatment of traumatic brain injury</a> Michael H Bennett, Barbara Trytko, Benjamin Jonker October 2009 <a href="#">Review</a>			
<input type="checkbox"/> <a href="#">Hyperbaric oxygen therapy for acute coronary syndrome</a>			

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bariatric surgery

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☐ SELECT ALL

☐ 1. Bariatric surgery for non-alcoholic steatohepatitis in obese patients

Cochrane Database of Systematic Reviews 2010

[Use as CPD](#) [Preview](#) [Conclusion](#) [Related](#)

☐ 2. Bariatric Surgery in Women of Reproductive Age: Special Concerns for Pregnancy

Agency for Healthcare Research and Quality - Evidence-based Practice 2008

[Use as CPD](#) [Preview](#) [Conclusion](#) [Related](#)

☐ 3. The clinical effectiveness and cost-effectiveness of bariatric (weight loss) surgery for obesity: a systematic review and economic evaluation

NCCHTA 2009

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☐ 4. Bariatric surgery and pregnancy.

American College of Obstetricians and Gynecologists 2009

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☐ 5. The clinical effectiveness and cost-effectiveness of bariatric (weight loss) surgery for obesity: a systematic review and economic evaluation

## Filter Your Search [what is this?](#)



<b>Total</b>	1,700
Evidence Based Synopses	10
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UK	11
USA	8
Other	0
Clinical Q&A	13
Core primary research	24
Extended primary research	1,353

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# Statistics

- *Statistics on incidence and prevalence of specific conditions, population information*
- *Consult association websites for statistics on specific diseases not covered on major statistical websites*

## **Statistics Canada**

**<http://www.statscan.ca/>**

## **Public Health Agency of Canada (PHAC)**

**<http://www.phac-aspc.gc.ca/>**

## **IHE Database of Online Health Statistics**

**<http://www.ihe.ca/publications/health-db/>**

# Statistics – IHE Online Health Statistics



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## PUBLICATIONS

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#### [HEALTH STATISTICS DATABASE](#)

## The Database of Online Health Statistics

The Database of Online Health Statistics provides quick and easy access to freely available web-based statistics generated by national and global agencies and research groups.

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# Statistics – IHE example



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## Infectious Diseases

### Alberta

- [Alberta Blood-borne Pathogens and Sexually Transmitted Infections 2008](#)
- [Alberta Blood-borne Pathogens Surveillance Report 2003](#)
- [Community Acquired Methicillin Resistant Staphylococcus Aureus \(CA MRSA\) in Alberta](#)
- [Reporting of Haemolytic Uraemic Syndrome in the CIHI Hospital Inpatient System and the Alberta Notifiable Disease Registry](#)
- [Sociocultural factors affecting tuberculosis](#)
- [Summary Report: West Nile Virus in Alberta 2006](#)
- [Summary Report: West Nile Virus in Alberta 2007](#)
- [Tuberculosis in Alberta Surveillance Report 2000-2004](#)
- [West Nile Virus Surveillance in Alberta 2005](#)

### British Columbia

- [BCCDC Statistics and Reports](#)

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# Open Access Journals

- *Journals where all content is freely available, no embargo period*
- *Often peer reviewed*

**PubMed Central** <http://www.pubmedcentral.com>

**Directory of Open Access Journals** <http://www.doaj.org>

# Conferences/Congresses/Symposia

***Manufacturer/Association websites***

***Input from experts/researchers***

***Online conference planners, conference reporting***

<http://www.medscape.com>

<http://www.doctorsreview.com/>

<http://www.biomedcentral.com/browse/abstracts/>

***Database records***

*for example: Biosis (\$)*

***Internet search***

*(disease OR drug) AND (meeting\* OR abstract\* OR poster\* OR conference\* OR proceeding\* OR poster\*)*

# Additional Grey Literature Sources

## Online catalogues

*Amicus, NLM, British Library (BL), WorldCat*

## Theses

*Theses Canada <http://collectionscanada.ca/thesescanada/>*

## Company directories and patents

*Industry Canada databases: <http://www.ic.gc.ca/>*

*Patents database:*

*<http://www.collectionscanada.gc.ca/innovations/023020-5000-e.html>*

## Blogs/Discussion lists

*CANMEDLIB*

*Expert Searching (MLA)*



# Managing Grey Literature Findings

## Grey literature search results: M0016 HBOT

### Table of contents:

Background.....	1
HTAs and Systematic Reviews/MAs.....	1
CADTH.....	4
Clinical Practice Guidelines.....	4
Economic studies.....	4
Databases on the Internet.....	4
Statistics.....	4
Other.....	4

### Notes:

- Publications limited to those dated 2005 or later.
- See the E-Publications folders for downloaded documents: [T:\Projects\HTIS Inquiries\In Progress - Pending\M0016 HBOT\U searches\Results\E Publications](#)

### Background

#### UpToDate 2008 articles: (downloaded)

- Hyperbaric Oxygen Therapy
- Carbon Monoxide Poisoning
- Smoke Inhalation

*Note from Sarah: Let me know if there are any Up To Date links given that you'd like me to download.*

#### ECRI Healthcare Product Comparison: Chambers, Hyperbaric

ECRI April 2007. (downloaded) 25 p.

*Also downloaded comparison table from online database (Excel file).*

### HTAs and Systematic Reviews/MAs

#### Canadian

#### Indications for hyperbaric oxygen therapy: update

Report prepared by [Guyaine Rouleau](#), [Khalil Moqadem](#) and [Gilles Pineau](#), AETMIS. Montréal, 2008

[2008\\_05\\_res\\_EN.pdf](#) | English summary (downloaded) Ref ID 4444

[ETMIS2008\\_vol\\_4\\_no\\_5.pdf](#) | French report (downloaded)

[2008\\_05\\_res\\_FR.pdf](#) | French summary

Hyperbaric Oxygen Therapy for the Treatment and Prevention of Radionecrosis and Other Radiation-Induced Injuries in Cancer Patients. Cancer Care Ontario, August 2005 (downloaded)

<http://www.cancercare.on.ca/cms/one.aspx?pagelD=10473> Ref ID: 4447

Hyperbaric Oxygen Therapy for Non-Healing Ulcers in Diabetes Mellitus

#### Ontario Health Technology Assessment Series 2005

[Volume 5, Number 11](#)

Documents: (report & recomm. downloaded)

[http://www.health.gov.on.ca/english/providers/program/mas/tech/htas/tech\\_hypox\\_081105.html](http://www.health.gov.on.ca/english/providers/program/mas/tech/htas/tech_hypox_081105.html)

Ref ID 4448 for the report

Ref ID: 4449 for the OHTAC recommendation

#### Related:

PATH Research Institute Field Evaluation

A prospective, double-blind, randomized, controlled clinical trial comparing standard wound care with adjunctive Hyperbaric Oxygen Therapy (HBOT) to standard wound care only for the treatment of chronic, non-healing ulcers of the lower limb in patients with diabetes mellitus

<http://www.path-hba.ca/project.htm> Ref ID: 4451

Estimated study completion: Spring 2010

Primary PATH investigator: Dr. Daria O'Reilly, MSc, PhD;

Phone: 905-523-7284 Ext. 5277,

Email: oreilld@mcmaster.ca

Sample Size: 118

For further information please consult trial registration at [www.clinicaltrials.gov](http://www.clinicaltrials.gov)

#### Saskatchewan Skin & Wound Care guidelines.

Saskatchewan Health Quality Council 2006.

<http://www.hqc.sk.ca/portal.jsp?%3JzcRKTcGA/Rhvh6/qyPDBIzBf0QfLQkUwK4Q8ZaItmCzGG0rFDLFvlfshiwzu>

214 pages.

Only one mention: page 90. Excerpt:

#### Complementary Therapies

11.2. Hyperbaric oxygen may reduce ulcer size in non-diabetic, non-atherosclerotic leg ulcers. Strength of Evidence = A

#### International

#### Hyperbaric oxygen for chronic wounds.

Ref ID: 4452

Bandolier Journal March 2005, Issue 133.

<http://www.medicine.ox.ac.uk/bandolier/band133/b133-5.html>

#### ECRI 2001-HBOT chronic wounds.pdf

#### Hyperbaric oxygen therapy (HBOT) for acute soft tissue injury.

ECRI Emerging Technology Evidence Reports 2006. (downloaded)

#### Hyperbaric Oxygen Therapy for Carbon Monoxide Intoxication. ECRI HTAIS Hotline.

2006. (downloaded) USE FOR BACKGROUND?

#### Hyperbaric Oxygen Therapy for Radiation Induced Osteonecrosis. ECRI HTAIS Hotline.

2006. (downloaded) USE FOR BACKGROUND?

#### Hyperbaric Oxygen Therapy for Acute Traumatic Injuries. ECRI HTAIS Hotline 2006.

(downloaded)

# Managing Grey Literature Findings

## Reference management software

*Many can quickly save a webpage citation.*

- RefWorks (\$), Reference Manager (\$), EndNote (\$)
- Zotero (free Firefox extension)
- Mendeley (free, features managing PDFs)

# Alerts and Awareness Tools

## *Limit searches by date range*

- [Google Advanced](#) – last 24h, week, month(s), year

## *E-mail alerts & RSS feeds*

- Set up alerts in databases such as Cochrane, CRD, TRIP



- RSS feeds: *ClinicalTrials.gov, PubMed, MedScape, journals*

# Alerts & Awareness Tools

## *Webpage change detection services*

- <http://watchthatpage.com/>
- <http://trackengine.com/>

# Closing Remarks

## Tips for your grey literature search!

**Have a well-developed strategy before you start**

**Re-negotiate PICO & parameters as you search**

**Keep it simple: paste title and link into a “good copy” document as you proceed**

**Grey literature searching is key for finding certain types of information and reducing publication bias**

# References of Interest - Canadian

Giustini D. *Finding the hard to finds: searching for grey literature* [Internet]. University of British Columbia; 2010.

<http://www.slideshare.net/giustinid/finding-the-hard-to-finds-searching-for-grey-gray-literature-2010>

Dennet L, Chatterly T. *IHE report: health technology assessment on the net: a guide to Internet sources of information* [Internet]. 10<sup>th</sup> ed. Edmonton: Institute of Health Economics; 2008.

[http://www.ihe.ca/documents/HTA%20on%20the%20net%2010thedition\\_0.pdf](http://www.ihe.ca/documents/HTA%20on%20the%20net%2010thedition_0.pdf)



# References of Interest - International

Grey Literature Network Service. *GreyNet* [Internet]. Amsterdam: The Service; 2010. <http://www.greynet.org/>

Document types in grey literature:

<http://www.greynet.org/greysourceindex/documenttypes.html>

Grey source index:

<http://www.greynet.org/greysourceindex.html>

New York Academy of Medicine. *Grey literature report* [Internet]. New York: The Academy; 2010.

[http://www.nyam.org/library/pages/grey\\_literature\\_report#](http://www.nyam.org/library/pages/grey_literature_report#)

# Questions?

