



Faculty of Medicine  
Universitas Gadjah Mada  
Yogyakarta, Indonesia

**Yogyakarta, 2004-2012**

# Indonesian Cochrane Network, Long Overdue?

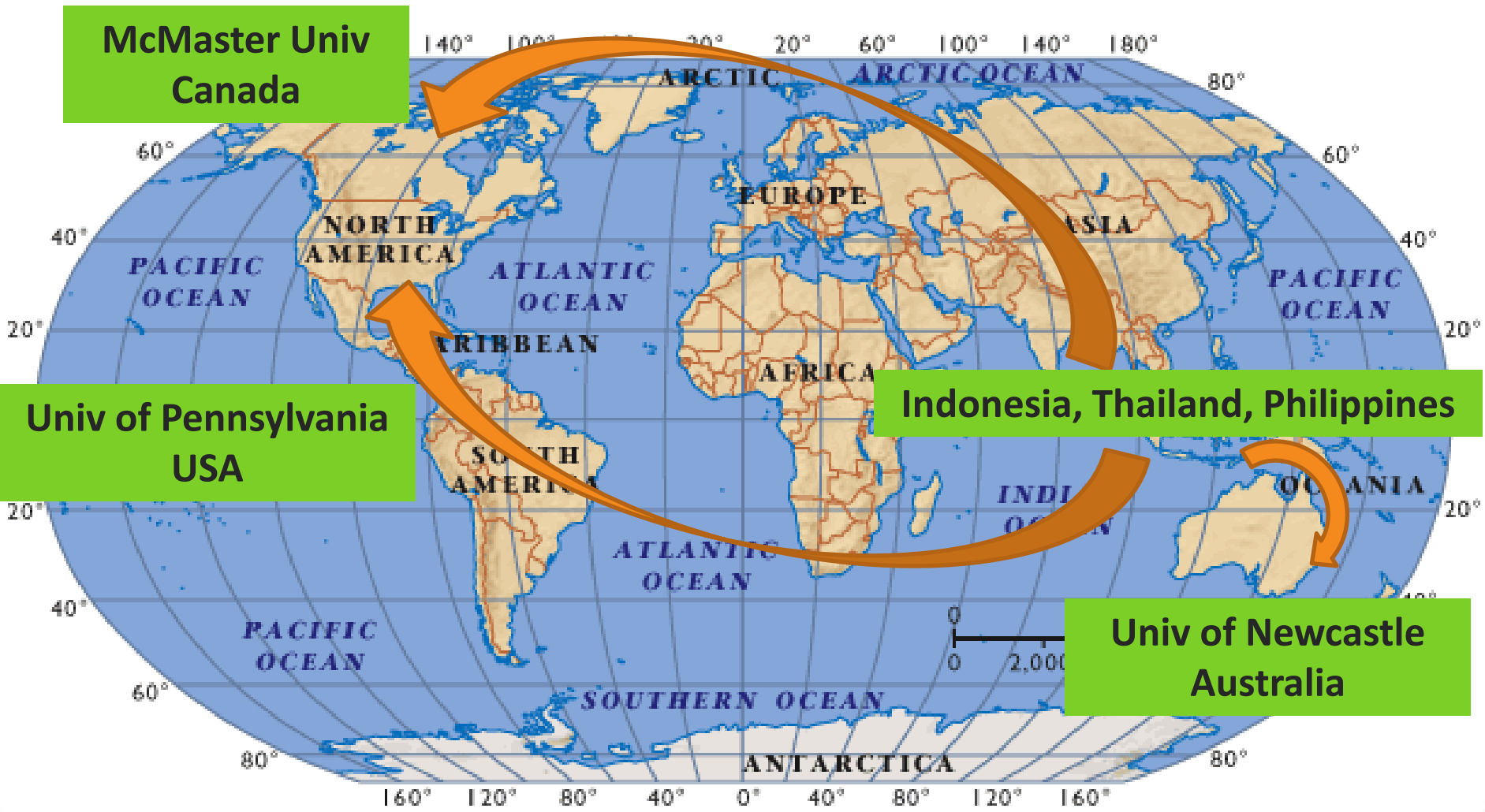


# **Clinical Epidemiology and Evidence Based Medicine in Indonesia**

Historical Perspective 

# INCLIN

## 1980 Project of the Rockefeller Foundation



- 1984
  - Clinical Epidemiology and Biostatistic Unit (CEBU) → Clinical Epidemiology Resources and Training Center (CERTC)

- → Now
  - **Clinical Epidemiology and EBM Training , Courses and Curriculum Development**
  - Master in Clinical Epidemiology
    - Indonesia
    - Thailand
    - Philippines
    - China

→ User of Evidence →

- 2004-2008

## Sea-OCHID Project

- Improving the care of mothers and babies in South East Asia by increasing the capacity for generating and using evidence
- 1. To build capacity in research synthesis
- 2. To increase capacity and skills for EBP
- 3. To demonstrate effective implementation strategies for EBP change
- 4. To improve access to quality healthcare information
- 5. To increase locally derived and relevant research activity
- 6. To increase evidence-based policy-making



SEA-ORCHID



THE COCHRANE  
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welcome trust

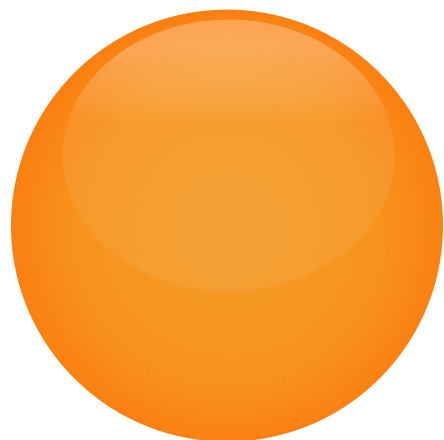


- 2011→ Now

## Sea-URCHIN Project

- to determine if an intervention to implement research about prevention and management of neonatal infection can improve clinical practice and health outcomes for babies
- increase understanding of how to translate research into this specific practice area and lead to improved outcomes for newborn babies in South East Asia

→ Produce of Evidence →



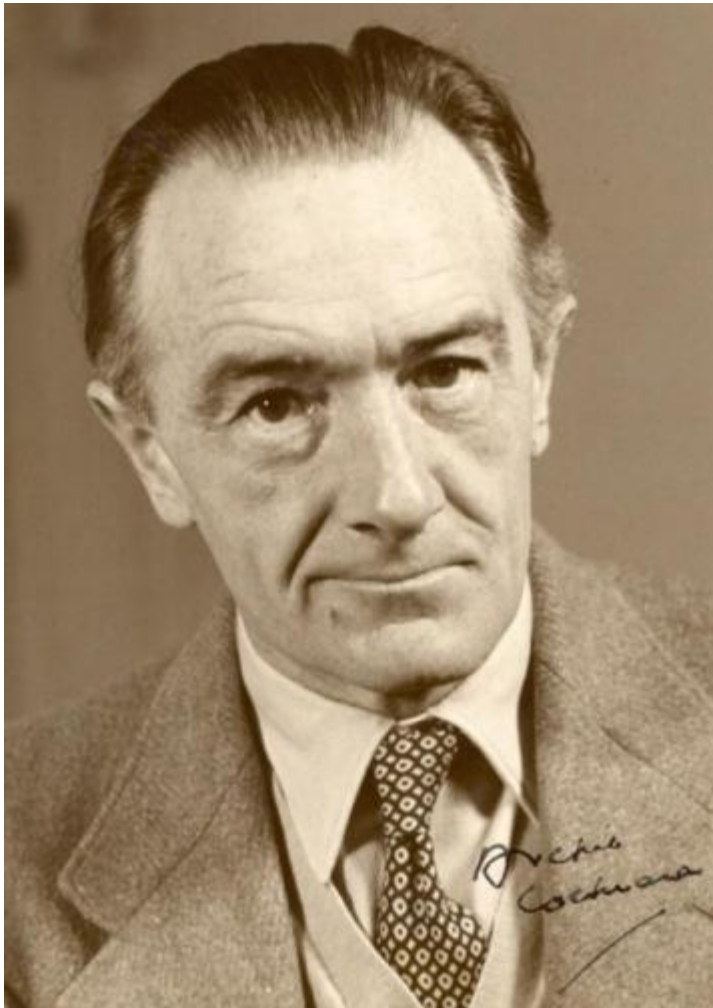
# THE COCHRANE COLLABORATION

The Cochrane Library





# Archie Cochrane's challenge



“It is surely a great criticism of our profession that we have not organised a critical summary, by specialty or subspecialty, adapted periodically, of all relevant randomised controlled trials.”

**Cochrane 1979**




**THE COCHRANE  
COLLABORATION®**

*The vision is that healthcare decision-making throughout the world will be informed by high-quality, timely research evidence."*



# Mission and aims

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- An international not-for-profit organisation which aims to help people make **well-informed decisions about healthcare** by preparing, maintaining and promoting the accessibility of **systematic reviews** of the effects of health care interventions
  - The contributors work together to produce SR of healthcare interventions, known as [Cochrane Reviews](#) and published online in [The Cochrane Library](#).
  - Aiming to be:
    - collaborative, efficient
    - unbiased, reliable, up to date
    - relevant, accessible
  - **The world leaders in evidence-based health care**
- 

# Our structure

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- more than 28,000 people in over 100 countries
  - almost all volunteers
- decentralised structure
  - 53 Cochrane Review Groups (CRGs)
    - specific areas of health care
    - first point of contact for authors
    - international and multidisciplinary
  - Secretariat and Cochrane Editorial Unit (UK)
  - supported by Methods Groups, Fields, Centres, Consumer Network
- largely funded by government grants



[www.cochrane.org/contact/centres\\_map](http://www.cochrane.org/contact/centres_map)

# An international organisation

# History and Milestones

<http://www.thecochranelibrary.com/view/0/AboutTheCochraneLibrary.html>

1972	Publication of Archie Cochrane's 'Effectiveness and Efficiency: random reflections on health services' , which drew attention to our collective ignorance about the effects of health care
1974	Identification of controlled trials in perinatal medicine begins in Cardiff, Wales, UK
1979	<b>Archie Cochrane publishes an essay in which he suggests that "It is surely a great criticism of our profession that we have not organised a critical summary, by specialty or subspecialty, adapted periodically, of all relevant randomised controlled trials." He also designates obstetrics the least scientific medical specialty</b>
1985	Publication of classified bibliography of 3500 reports of controlled trials in perinatal medicine published between 1940 and 1984
1989 to 1992	Maintenance of systematic reviews of controlled trials of perinatal care in six-monthly disk issues of an electronic journal, The Oxford Database of Perinatal Trials (ODPT)
October 1992	<b>The first Cochrane Centre opened (in the UK) and the first Cochrane Review Groups were registered (Pregnancy and Childbirth Group, and the Subfertility Group)</b>
April 1993	Update Software reissues The Oxford Database of Perinatal Trials (ODPT) as a redesigned pilot electronic journal entitled The Cochrane Pregnancy and Childbirth Database (CCPC)
August 1993	Formal launch of The Cochrane Collaboration at the 1st Cochrane Colloquium, in Oxford, UK
October 1994	First public demonstration of the Cochrane Database of Systematic Reviews (CDSR), designed and published by Update Software
February 1995	CDSR launched in London by the English Minister for Health

# History and Milestones

March 1996	The Cochrane Library launched by Update Software as a quarterly publication on CD-ROM and disk, incorporating the Cochrane Database of Systematic Reviews (CDSR), Database of Abstracts of Reviews of Effectiveness, Cochrane Controlled Trials Register, and Cochrane Review Methodology Database
<b>August 1996</b>	<b>CDSR available on the World Wide Web</b>
April 1997	Electronic Comments and Criticisms System launched within the CDSR
January 2001	One thousandth Cochrane Review published
April 2002	The Cochrane Library made free at the point of use, under the HINARI programme
October 2002	John Wiley and Sons Limited publish The Cochrane Library
October 2003	Launch of La Cochrane Library Plus en español
<b>June 2008</b>	<b>First impact factor: 4.654 for 2007; ranked 14 out of 100 worldwide journals in the Medicine, General and Internal category</b>
January 2009	First Editor in Chief of The Cochrane Library, Dr David Tovey Number of published Cochrane Reviews and Protocols reaches 5676 in Issue 1, 2009
January 2010	CDSR moves to monthly publication
August 2011	Cochrane Reviews have new online 'Look and Feel'
January 2012	Cochrane CENTRAL moves to monthly publication
<b>September 2012</b>	<b>'New Search' functionality released for global usage.</b>



# Cochrane Systematic Reviews

## What is a Cochrane Review?

3 types of Cochrane Review:

1. Intervention reviews assess the benefits and harms of interventions used in healthcare and health policy.
2. Diagnostic test accuracy reviews assess how well a diagnostic test performs in diagnosing and detecting a particular disease.
3. Methodology reviews address issues relevant to how systematic reviews and clinical trials are conducted and reported.



# Cochrane Systematic Reviews

CR base their findings on the results of trials which meet certain quality criteria, since the most reliable studies will provide the best evidence for making decisions about health care. Authors apply methods which reduce the impact of bias across different parts of the review process, including:

1. Identification of relevant studies from a number of different sources (including unpublished sources);
2. Selection of studies for inclusion and evaluation of their strengths and limitations on the basis of clear, predefined criteria;
3. Systematic collection of data;
4. Appropriate synthesis of data.



## SEARCH THE COCHRANE LIBRARY

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## COCHRANE DATABASE OF SYSTEMATIC REVIEWS

Issue 12 of 12, Dec 2012 | [Contents](#)

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[Anaesthesia & pain control](#) (208)

[Blood disorders](#) (127)

[Cancer](#) (416)

[Child health](#) (1502)

[Complementary & alternative medicine](#) (551)

[Consumer & communication strategies](#) (59)

[Dentistry & oral health](#) (142)

## SPECIAL COLLECTIONS



[World AIDS Day 2012](#)



[Cochrane Evidence Aid: resources for earthquakes](#)

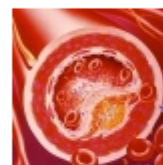


[Cochrane Evidence Aid: resources for flooding and poor water sanitation](#)

[View all](#)

## EDITORIAL

**Convincing evidence from controlled and uncontrolled studies on the lipid-lowering effect of a statin**



Lipitor (atorvastatin) is one of the best-selling pharmaceutical drugs of all time. This month's issue of the

Cochrane Database of Systematic Reviews includes a new review by Wright, Adams, and Tsang concerning the effects of this statin. The review is big, and it is not like most of the others in the database...

[Read more](#) | [View archive](#)



 REMEMBER MEFORGOT  
PASSWORD?

Search

Search Manager

Medical Terms (MeSH)

Browse



Title, Abstract, Keywords



(Vitamin A) AND pregnancy

Go

[Search Limits](#)

View search tips (Word variations have been searched)

[Add to Search Manager](#)

All Results (486)

 Cochrane Reviews (33) All Review Protocol Other Reviews (11) Trials (436) Methods Studies (1) Technology Assessments (2) Economic Evaluations (3) Cochrane Groups (0) All

Cochrane Database of Systematic Reviews : Issue 12 of 12, December 2012

There are **33** results from **7646** records for your search on '(Vitamin A) AND pregnancy in title abstract keywords'.  
**Cochrane Reviews'**Pages **1 - 25** | **26 - 33**Sort by [Select all](#) | [Export all](#) | [Export selected](#)

- Vitamin A** supplementation during **pregnancy** for maternal and newborn outcomes  
Nynke van den Broek , Lixia Dou , Mohammad Othman , James P Neilson , Simon Gates and A Metin Gülmezoglu  
November 2010

- Vitamin D** supplementation for women during **pregnancy**  
Luz Maria De-Regil , Cristina Palacios , Ali Ansary , Regina Kulier and Juan Pablo Peña-Rosas  
June 2012

# Published articles in the Cochrane Library

Database	Year Of Earliest Record	Total published
Cochrane Database of Systematic Reviews*	2005	7626
Database of Abstracts of Reviews of Effects	1994	18915
Cochrane Central Register of Controlled Trials	1898	680109
Cochrane Methodology Register	1951	15764`
Health Technology Assessment Database	1989	10406``
NHS Economic Evaluation Database	1968	12684
About The Cochrane Collaboration**	2004	81
<a href="#">Editorials</a>	2010	47

\* Comprises 5352 published reviews and 2274 protocols, of which 50 are new reviews, 68 updated reviews (comprises 50 new search and 18 conclusions changed), 39 new protocols, and 0 updated protocols.

\*\* The Cochrane Collaboration: 1; Cochrane Editorial Unit: 1; Cochrane Review Groups (CRGs): 53; Fields: 12; Methods Groups: 16. There are also 14 Centres (some with specific Branches).

Review Title	Times cited in 2011
Interventions for preventing falls in older people living in the community	141
Interventions for treating obesity in children	79
Decision aids for people facing health treatment or screening decisions	70
Continuing education meetings and workshops: effects on professional practice and health care outcomes	56
Methods to increase response to postal and electronic questionnaires	55
Interventions for preventing falls in older people in nursing care facilities and hospitals	52
Exercise for depression	45
Surgical approach to hysterectomy for benign gynaecological disease	45
Surgical management of pelvic organ prolapse in women	42
School-based physical activity programs for promoting physical activity and fitness in children and adolescents aged 6-18	41

# TOP 10 CDSR in 2011



# GLOBAL DATA USAGE

TYPE OF ACCESS

SUBSCRIBERS

FUNDED FREE

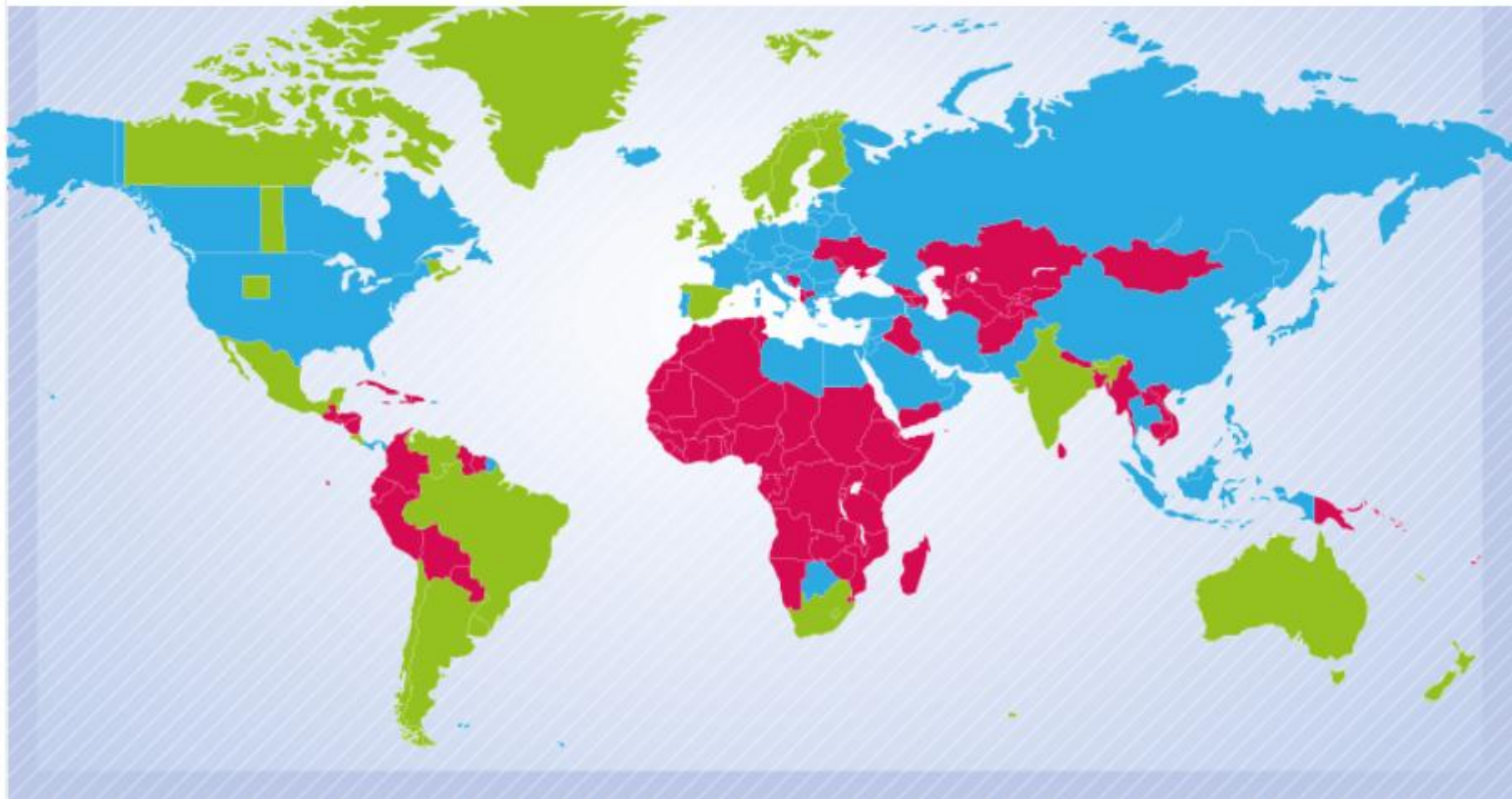
FREE

FTD=FULL TEXT DOWNLOAD

RANK=GLOBAL POSITION  
BASED ON FTD ATTEMPTS

ALL DATA SHOWN IS BASED ON  
THE COCHRANE LIBRARY.COM JAN-DEC 2011

Rollover the map and click on each region to discover more







## INDONESIA

**Rank** **31**

**% FTDs** **0.13%**

### Top Articles

Acetaminophen for osteoarthritis... [more](#)

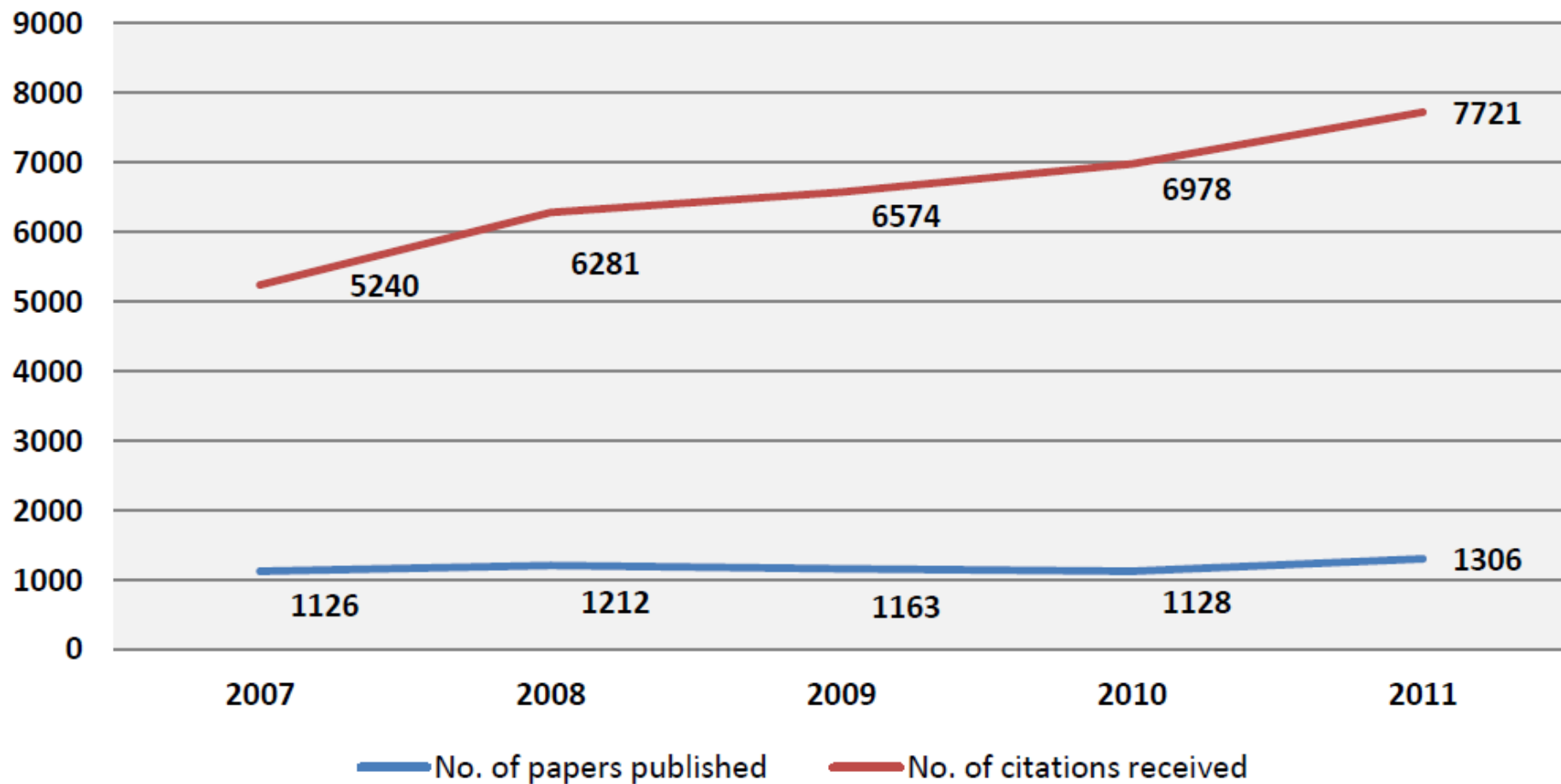
Optimal duration of exclusive  
breastfeeding... [more](#)

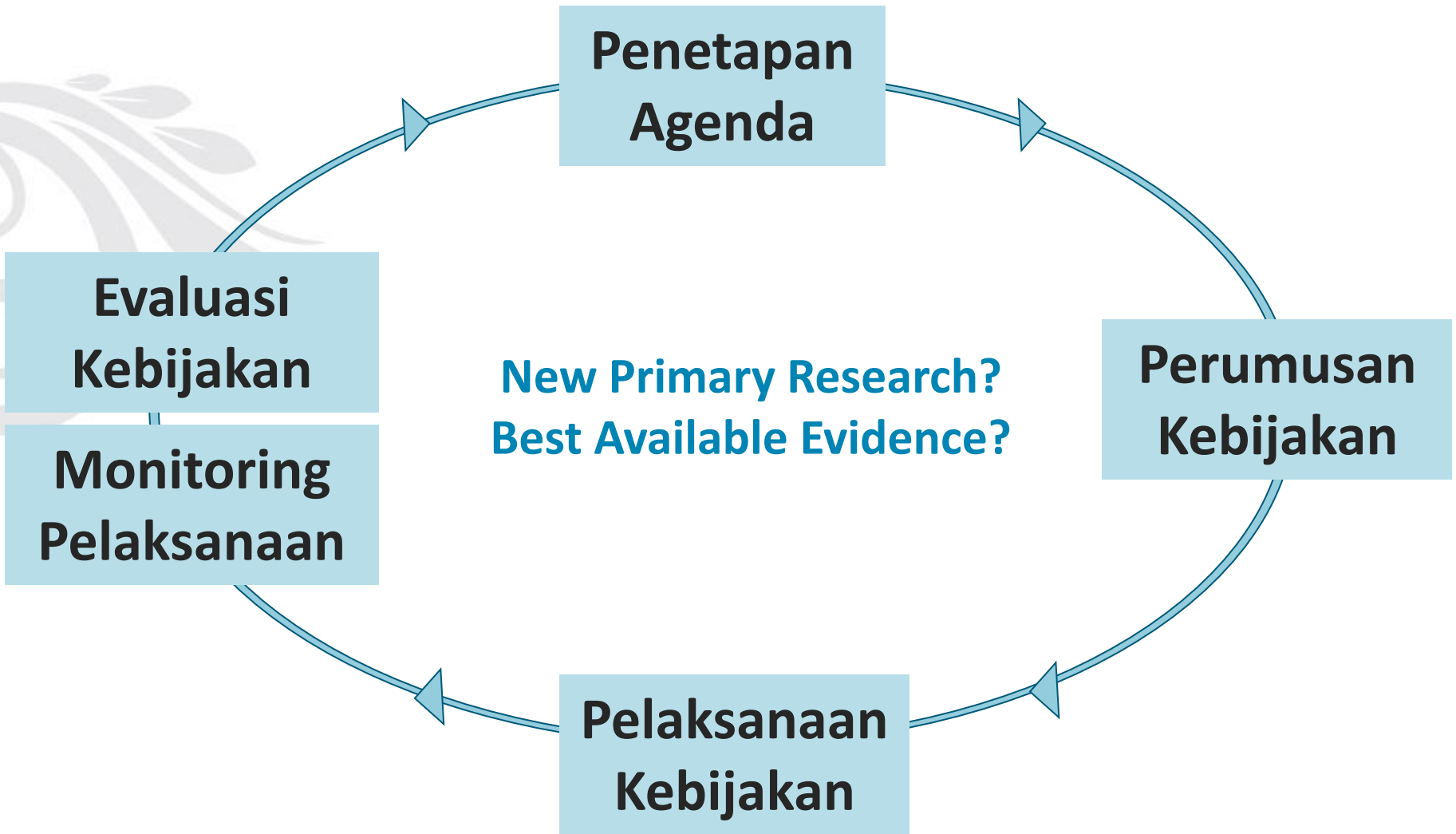
Oral zinc for treating diarrhoea in  
children... [more](#)

# The CDSR Impact Factor 2011

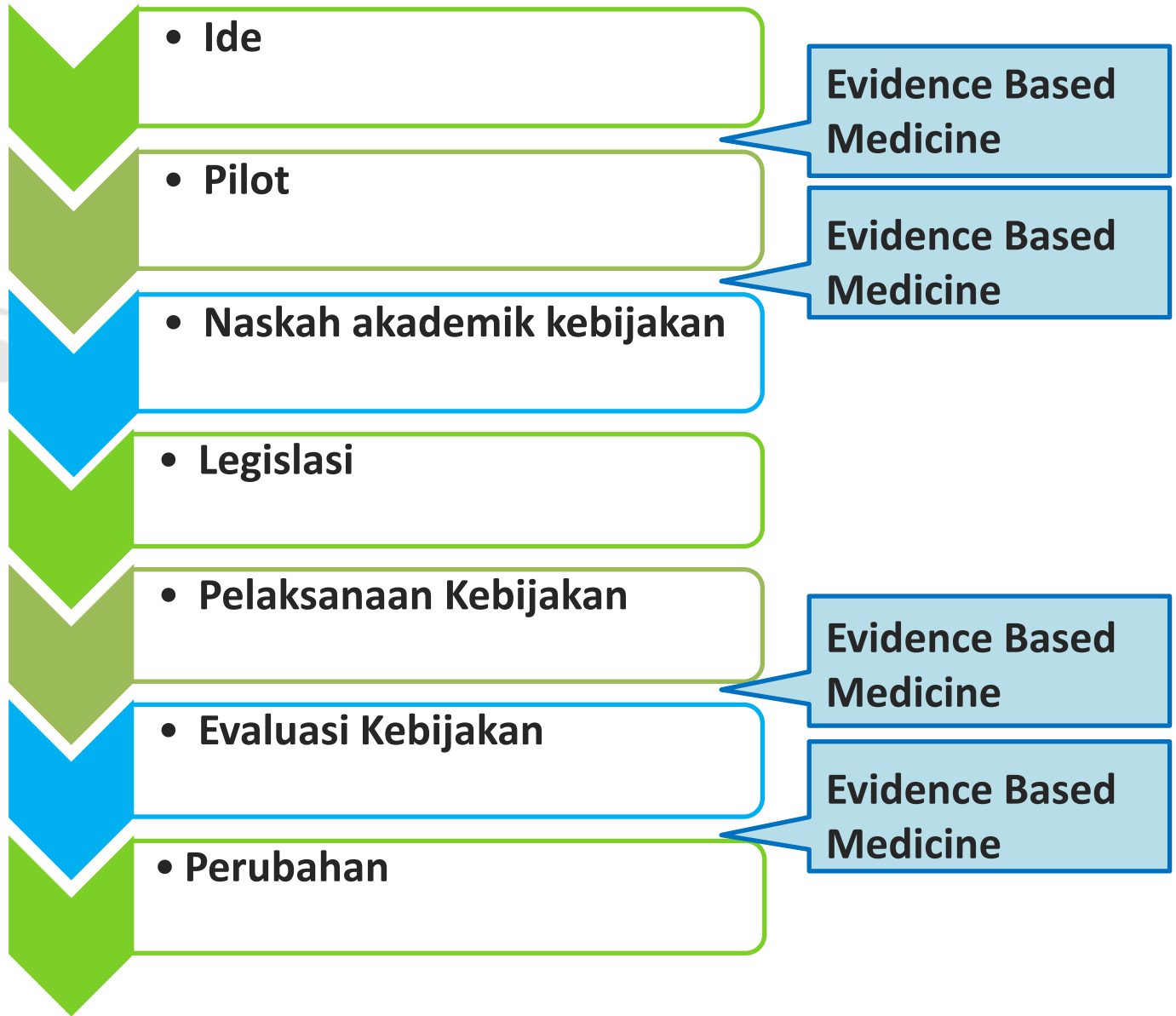
- A tool for ranking, evaluating, and comparing journals.
- A measure of the frequency with which the “average article” in a journal has been cited in a particular year.
- Cites in 2011 to Reviews published in 2009–2010 = 7721
- Number of Reviews published in 2009–2010 = 1306
- **The CDSR IF for 2011 = 5.912**
- The CDSR is ranked in the Top Ten of the Journal Citation Reports® (JCR) "Medicine, General & Internal" category.

## CDSR Impact Factor 2007-2011





# Proses Kebijakan



# Proses Kebijakan



# **Produce of Evidence? Highest Level of Evidence?**

The Cochrane Library, January 8, 2013

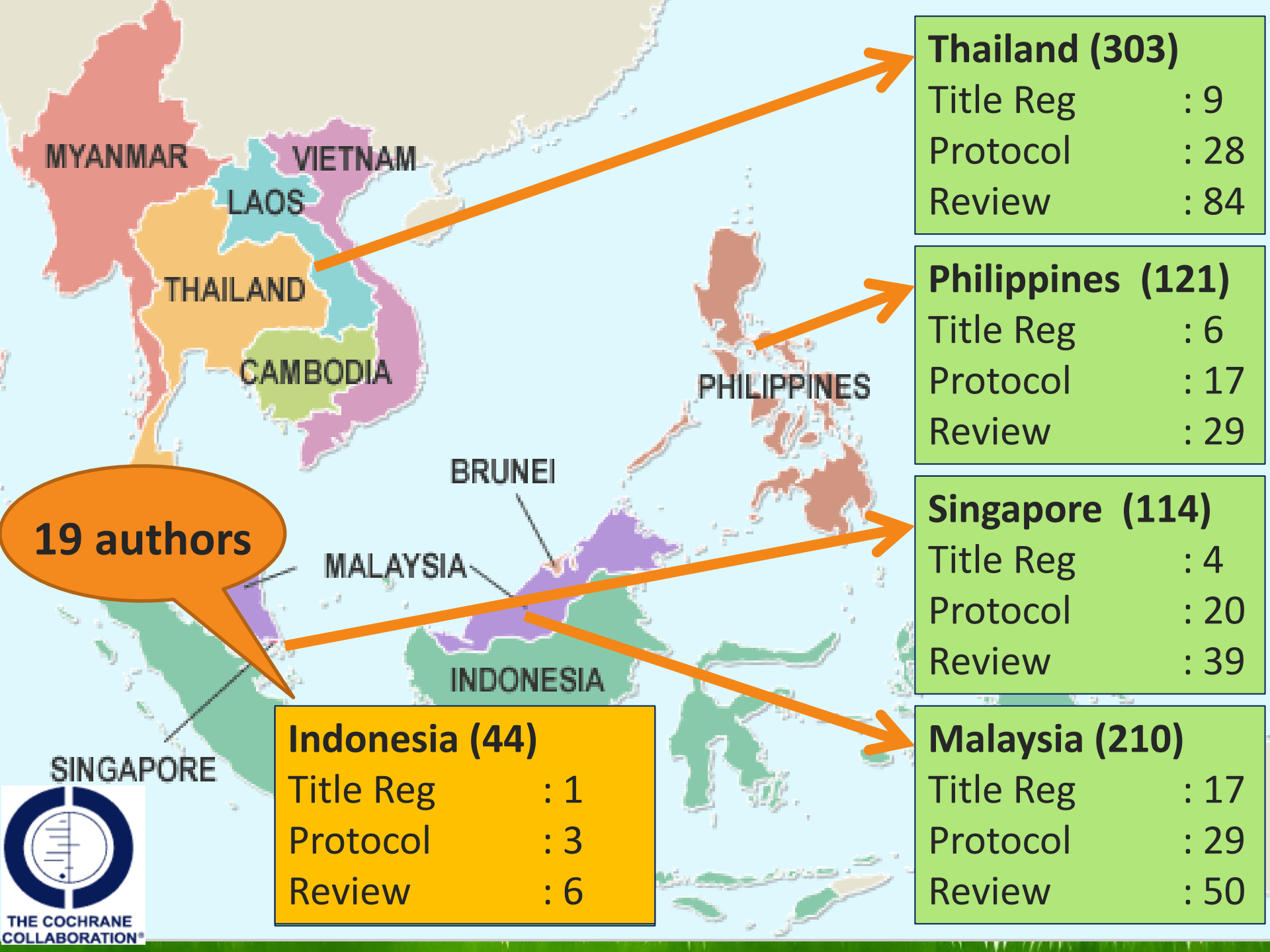


# How to get involved?

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Contribute to the work of The Cochrane Collaboration:

- Conducting a systematic review as part of a research team
- Providing peer review as a content expert, consumer or someone with specific skills e.g information retrieval or statistics
- Providing editorial support to a Cochrane Review Group
- Acting as an advocate for evidence based health care and the work of The Cochrane Collaboration
- Providing training for review authors or editors, or users of The Cochrane Library
- Participating in the development of Cochrane methods
- Contributing the work of Cochrane Centres and Branches, Fields and Networks.



19 authors

<b>Thailand (303)</b>	
Title Reg	: 9
Protocol	: 28
Review	: 84

<b>Philippines (121)</b>	
Title Reg	: 6
Protocol	: 17
Review	: 29

<b>Singapore (114)</b>	
Title Reg	: 4
Protocol	: 20
Review	: 39

<b>Indonesia (44)</b>	
Title Reg	: 1
Protocol	: 3
Review	: 6

<b>Malaysia (210)</b>	
Title Reg	: 17
Protocol	: 29
Review	: 50

**The 1st Indonesian-Cochrane  
Author is Prof. Moh. Hakimi  
Entity: PCG**



**Jakarta**  
Title Reg 0  
Protocol 1  
Review 2

**Yogyakarta**  
Title Reg 1  
Protocol 2  
Review 4

Working Groups	No
Pregnancy & Childbirth	5
Acute Respiratory Infection	1
Renal	4
Hepato Biliary	5
ENT Disorders	7
Sexual Transmitted Infection	1
Neonatal	4
HIV/AIDS	1
Infectious Diseases	3
Colorectal Cancer	1
Health Care of Older People	1
Musculoskeletal	5
Compl Health Field	5
Nursing Care Field	1
Methods	1
Consumer	3
<b>Total</b>	<b>44</b>



**Indonesian  
Cochrane  
Network**

# **Why needed?**

The Cochrane Collaboration 

- Increase quality of health care
  - Patient safety
  - Cost effectiveness
  - Greater impact given high number of population
- Health policy
  - Cost
  - Health technology
- Education
  - Undergraduate and postgraduate programs





- Empowering health consumers
  - Increasing knowledgeable patients
  - Increasing involvement in determining priorities for health care
- Health professional capacity building
  - Professional accountability
  - Promoting the uptake of research in health care
  - Requirements for professional updating)

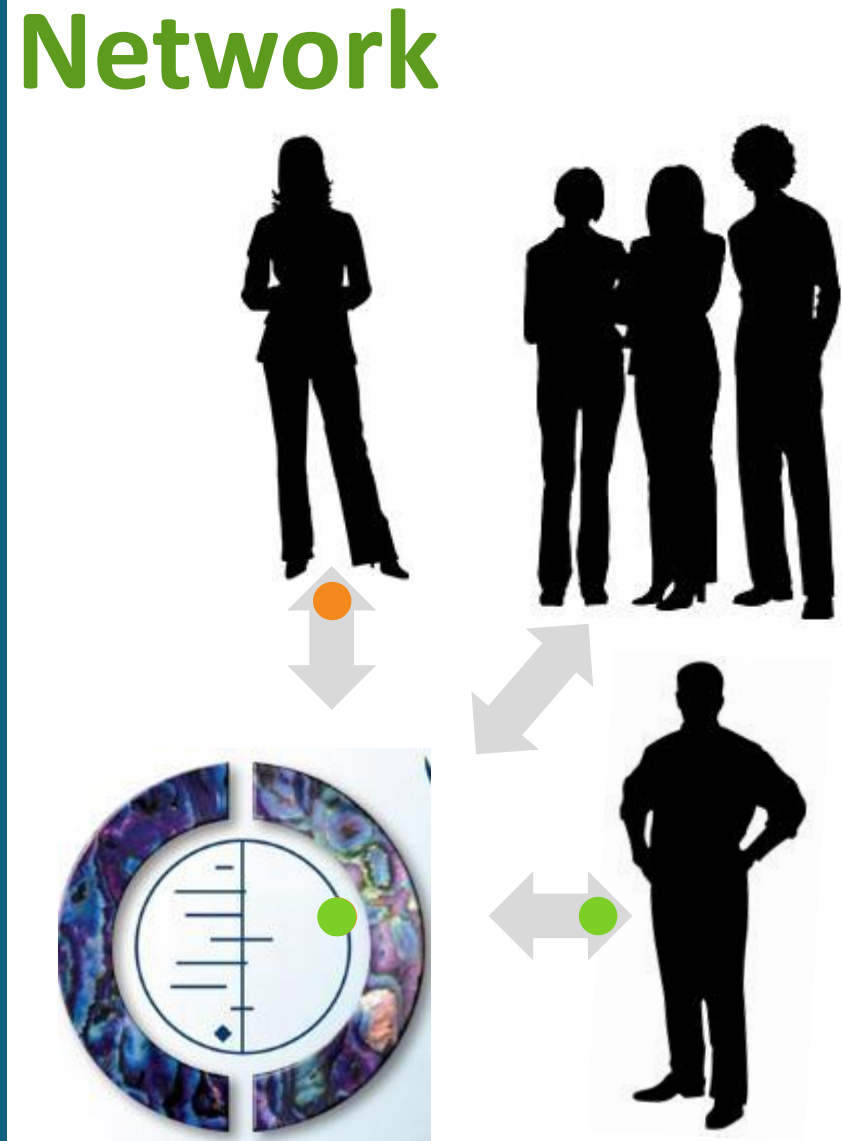
## Indonesian Cochrane Network





# Indonesian Cochrane Network

- UGM is proposed to be the host
  - Coordinates the Cochrane activities in the whole country
- Other institutions will be the Nodes for specific focus/purpose
  - Example:  
UI – focus on EBM health policy



# Cochrane Activities



**COCHRANE SUMMARIES**<sup>BETA</sup>  
Independent high-quality evidence for health care decision making

[English](#) [Français](#) [Deutsch](#) [Español](#)

Enter term(s) like "headache" "aspirin" "exercise"

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*"The Cochrane Collaboration is an enterprise that rivals the Human Genome Project in its potential implications for modern medicine."*  
- The Lancet'



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Independent high-quality evidence for health care decision making

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[Blood disorders \(126\)](#)

**SPECIAL CO**



**The Cochrane Collaboration**

Working together to provide the best evidence for health care

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**Training**

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- ▶ [Cochrane Interventions Handbook](#)
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- ▶ [Glossary of Cochrane terms](#)
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**Training**

Online Learning is available for all authors of intervention reviews. This can be found at [training.cochrane.org](http://training.cochrane.org).



[Introduction to Cochrane Reviews](#)

**Workshops**



**Indonesian  
Cochrane  
Network**

**New Search Tools**



**Now Available!**

**Cochrane Journal Club**

[Join the discussion](#)

# Future Plan



- Establish the Network

- Within ICE-EBM?
- Funding Body?
- Sustainability?

- Contribution to Cochrane Collaboration

- International

- National-Local .....

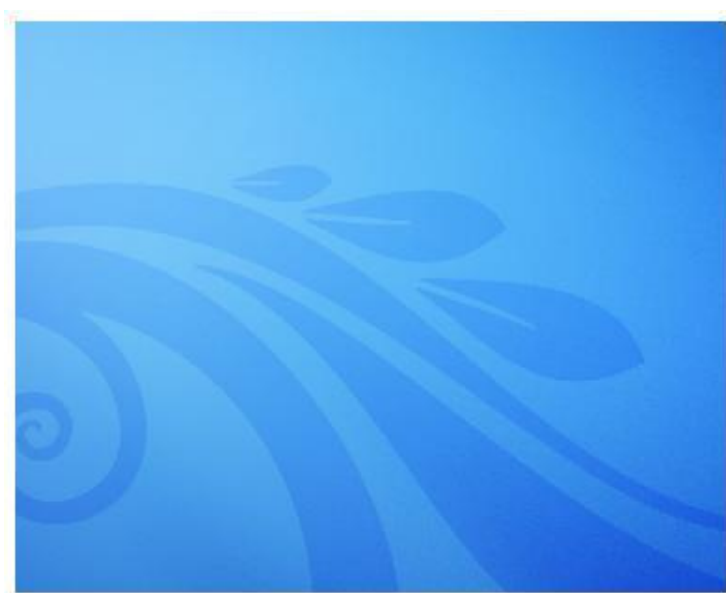


# Future Plan



- Wide range of training and workshop  
(for decision makers, health professions and managers)
- Translating evidence to policy  
(collaborate with professions, MoH)
- Produce Evidence  
(Systematic Review, Clinical Practice Guideline)
- Dissemination Cochrane Findings  
(Indonesian Translation)
- Implementing EBM in curriculum  
(undergraduate and postgraduate)
- Research Activities





# Getting more people involved in Cochrane activities !!!

A banner for the 21st Cochrane Colloquium. The background shows a historic building in Quebec City. The text reads: **21<sup>st</sup> COCHRANE COLLOQUIUM** and **QUEBEC, 19-23 SEPTEMBER 2013**. On the right, there is the Cochrane Canada logo (a blue circle with a white vertical line and a red dot) and the Université Laval logo (a red and white shield with a cross and the text "UNIVERSITÉ LAVAL").

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