

Solving the Cochrane LSR publishing puzzle

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Trusted evidence.
Informed decisions.
Better health.





Cochrane has a long history of publishing updated Cochrane Reviews

Ways users access Cochrane Reviews has also changed, from floppy disks, to CD-ROMS, to online

Ways users find Cochrane Reviews has also changed within online publishing environment



Parts of the puzzle

1. Cochrane Reviews published as unique and updated articles
2. Describing changes for updates: what's happening and what's new?
3. What if I need a new protocol to become as LSR?
4. Sharing information about updates with our readers
5. Have we solved the publishing puzzle?



**Cochrane Reviews published
as unique and updated articles**



Identifying a Cochrane Review and its updates

- Each Cochrane Review is an article
- Each Cochrane Review has a unique identifier called a digital object identifier (DOI):
10.1002/14651858.CD001751.pub3



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Wiley





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ISSN of the Cochrane Library





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Cochrane Review ID



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Version number (for versions 2 and up)

Way to distinguish updates!





Identifying a Cochrane Review and its updates

- Each Cochrane Review is an article
- Each Cochrane Review has a unique identifier called a digital object identifier (DOI):
`10.1002/14651858.CD001751.pub3`
- New DOI = new citation



Identifying a Cochrane Review and its updates

- New citation = new entry in PubMed (for example)
- Updated reviews are linked in PubMed

Cochrane Database Syst Rev. 2008 Jan 23;(1):CD005283.

Biocompatible hemodialysis membranes for acute renal failure.

Alonso A, Lau J, Jaber BL.

Update of:

[Cochrane Database Syst Rev. 2005;\(2\):CD005283.](#)

PMID: 18254074 [PubMed - indexed for MEDLINE]

CrossMark



- Digital logo on html and PDF versions
- One use is to highlight important publication record information
- New for Cochrane Reviews

<http://www.crossref.org/crossmark/Publishers.htm>

<http://blog.crossref.org/2016/01/linking-clinical-trials-enriched-metadata-and-increased-transparency.html>

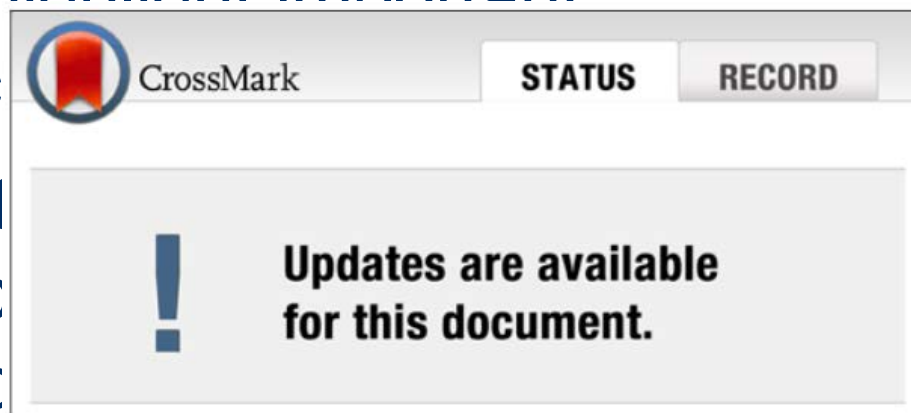
CrossMark



Digital logo on html and PDF versions

One use is to highlight important publication records

Another recent use is to highlight together public records of a particular clinical trial



Why is this important?

Help readers **find** Cochrane Reviews and **link** updates

Help readers **learn** about updates and other changes to Cochrane Reviews



Describing change for updates

WHAT'S HAPPENING AND WHAT'S NEW?

Is this Cochrane Review a LSR?

How and where

- Title?
- Label or tag? (Currently used for a ‘type’)
- Other?

Cochrane Database of Systematic Reviews

D-dimer test for excluding the diagnosis of pulmonary embolism

Review Diagnostic

Fay Crawford [✉](#), Alina Andras, Karen Welch, Karen Sheares, David Keeling, Francesca M Chappell

I know it's a LSR, what else do I need to know?

- **What's happening** = what is the current activity in relation to the review that will feed into the article
- **What's new** = new in the article



What's happening?

Once an article is a LSR, there will be a lot of **activity** around the research.

How do you **update readers** with this information?

Route provided by the '**Updating Classification System**'

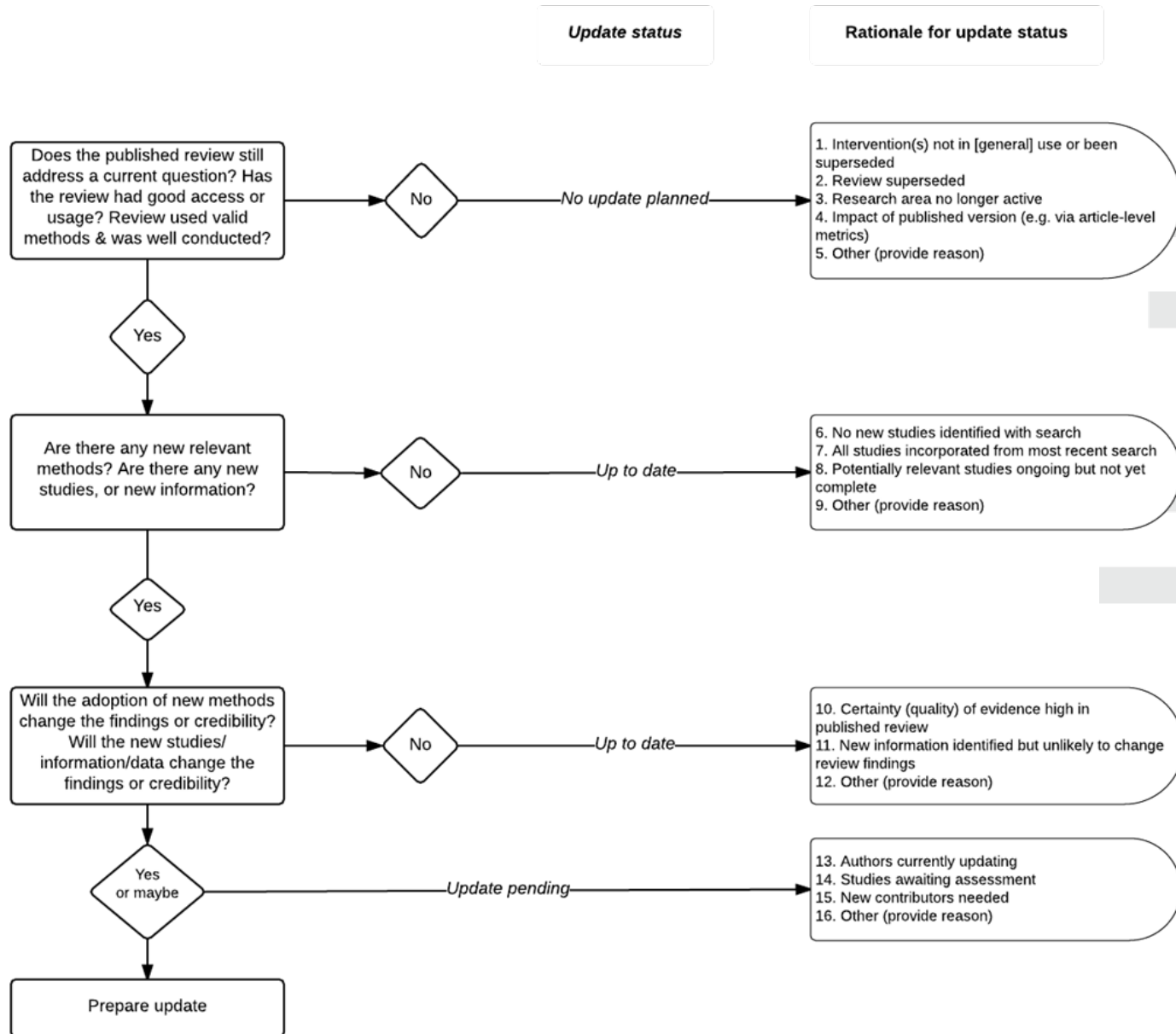


- **Updating Classification System (UCS)** guides readers as to whether a Cochrane Review is:
 - **up to date**
 - likely to be updated in future (**update pending**)
 - does not need updating at the current time (**no update planned**)

Garner et al. When and how to update systematic reviews: consensus and checklist. *BMJ* 2016; 354 doi: <http://dx.doi.org/10.1136/bmj.i3507>

Cochrane Editorial and Publishing Policy Resource: Updating Classification System for Cochrane Reviews

Decision-making flowchart



- Single location to report and share the updating status of a review
- This uses a **new publishing pipeline** – publishes in ‘real time’ **alongside** the review, and can be revised as required without republishing the review*
- Separates a **publishing activity** (e.g. one that affects content/DOI) with one that **provides information about the updating status** of a review

Example: Up to date



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Search title, abstract, keyword

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Cochrane Database of Systematic Reviews

Self-monitoring of blood glucose in patients with type 2 diabetes mellitus who are not using insulin

References: [L Malanda](#) [Laura MC Welschen](#), [Ingrid I Riphagen](#), [Jacqueline M Dekker](#), [Giel Nijpels](#), [Sandra DM Bot](#)

Up to date [more information...](#)
published: 18 January 2012 [Full publication history](#)

Editorial Group: Cochrane Metabolic and Endocrine Disorders Group

DOI: 10.1002/14651858.CD005060.pub3

Cited by: 14 articles [Refresh](#) [Citing literature](#)

[Am score](#) 42

[See clinical summaries based on this review](#)

Abstract [English](#) | [French](#) | [Japanese](#)

Background

Self-monitoring of blood glucose (SMBG) has been found to be effective for patients with type 1

Information

DOI
10.1002/14651858.CD005060.pub3

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Publication History
Article first published online: 18 January 2012

Up to date
Potentially relevant studies ongoing but not yet complete.

A search for studies has identified one ongoing study (see Characteristics of studies awaiting assessment).

Assessed: 3 January 2016

[Find Related Content](#)

Medical Subject Headings (MeSH):
[Blood Glucose](#)

Abstract

Summary of findings

Background

Objectives

Methods

Results

Discussion

Authors' conclusions

Acknowledgements

Data and analyses

Appendices

Feedback

What's new

History

Contributions of authors

Declarations of interest

Sources of support

Differences between protocol and review

Characteristics of studies

What's new? (in the article)

- LSR article will need to be updated (with a new citation)
- How to let readers know what is new?
 - Updated text
 - What's new section
 - New infographic-type approach for the history of the review
 - (Also revise “Update status” as appropriate)



**What if I need a new protocol
to become as LSR?**

Starting a LSR may mean changing or updating methods

May involve starting with a new protocol



What approaches are possible?

- **New protocol and publish**
 - New CD number (and DOI), loss of relationship to review



What approaches are possible?

- **New protocol and don't publish**
 - Protocol not visible



What approaches are possible?

- **Prepare update and include revised protocol within update**
 - Protocol visible, but not a separate publication

DOI A

Protocol

Review

Protocol Update

What approach is possible?

- **New feature in development: to allow a protocol as part of a review update**
- Protocol visible; ensures a continuous publication record with clear links between versions

DOI A

Protocol

Review

Protocol

Update

Sharing information about updates with our readers

What's happening?

What is the current activity in relation to the review that will feed into the article

What's new?

New in the article

What?

How?

Where?

What's happening?

What's new?

What?

Review being updated

New studies incl/excl

Another ongoing study

Findings have changed

No new trials

New protocol

How?

Brief complementary info

Article update

Other approach?

Other article type?

Where?

Article level

Article level

CrossMark?

CrossMark

PubMed

Have we solved the publishing puzzle?

In summary

- It's a complex puzzle!
- We are trying out new approaches
- Changing external environment
- Opportunities to explore in this area





Thank you

My thanks to John Hilton, Editor, Cochrane Editorial Unit

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