



health-evidence.ca

Promoting evidence-informed decision making


Health Evidence

A resource for facilitating
evidence-informed
public health decision making

Kara DeCorby, MSc, Maureen Dobbins RN, PhD, Heather Husson,
BA, & Robyn Traynor, MSc

Australian Implementation Conference, Oct 26, 2012

WHAT is health-evidence.ca?

- > 2,700 reviews
 - online registry
 - evaluated interventions
 - quality-assessed
 - easy to search
 - short summaries
- 

WHY?

- one stop shop
- overcomes access issues
- addresses lack of time to assess evidence quality
- provides practice-based, real world implications for policy and practice

Searching health-evidence.ca

Friday, February 05, 2010

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New in Evidence-Informed Decision Making...

Most accessed review this week

February 05, 2010

[Prevention of childhood obesity: A review of systematic reviews](#)

Tools to Support Evidence-Informed Decision Making

January 20, 2010

Check out health-evidence.ca's newest resource: [Tools to Support Evidence-](#)

Welcome!

health-evidence.ca aims to support evidence-informed decision making in public health by providing current research evidence in a searchable online registry. Findings of a [research project](#) funded by the [Canadian Institutes of Health Research](#), demonstrated a need for a reliable source of review evidence that public health practitioners and decision-makers could easily access and employ.

The [health-evidence.ca](#) team regularly searches for [screens](#), [and rates](#) systematic and narrative reviews, and meta-analyses from a variety of

Features available



Access your saved searches

My Saved Searches

To search using AND, OR and NOT, simply input your search terms separated by the conditions.
E.G. Child OR Adolescent AND Health NOT adult
To search for an exact term place the term in quotes
E.G. "Child health" OR Adolescent
To search for a review by author name, enter the author surname only
E.G. Faith

For articles containing...

Article Rating...
Articles added to the registry since...
Results per page...
Only articles with summary statements

Search

Clear Search

Focus of Review

- [Addiction/Substance Use](#)
- [Adolescent Health](#)
- [Adult Health](#)
- [Child Health](#)
- [Chronic Diseases](#)

Review Type

- [meta-analysis](#)
- [narrative](#)
- [systematic](#)

Population Characteristics

- [Age Groups](#)
- [Cultural Group](#)
- [Family](#)
- [First Nations and Inuit](#)
- [Gender](#)

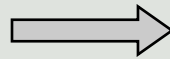
Submit free-text searches

Filter results sets

Linking to Full Text Articles

Full text links available for:

- >700 free access journal articles
- > 375 Cochrane articles



Effects of prenatal multimicronutrient supplementation on pregnancy outcomes: A meta-analysis

[Email](#) | [Edit](#) | [Back](#) | [Print](#)

[Add Summary Statement](#) | [Delete](#) | [View Relevance Tool](#) | [Back](#)

Review Quality Rating: 10 (strong) - [View Quality Assessment](#)

Publication Information						
Author(s)	Publication Date	Journal	Volume	Issue	Start Page	End Page
Shah,P.S., Ohlsson,A.	2009	Canadian Medical Association Journal	180	12	e99	e108

Abstract:

BACKGROUND: Reduced intake of micronutrients during pregnancy exposes women to nutritional deficiencies and may affect fetal growth. We conducted a systematic review to examine the efficacy of prenatal supplementation with multimicronutrients on pregnancy outcomes.

METHODS: We searched MEDLINE, EMBASE, CINAHL and the Cochrane Library for relevant articles published in English up to December 2008. We also searched the bibliographies of selected articles as well as clinical trial registries. The primary outcome was low birth weight; secondary outcomes were preterm birth, small-for-gestational-age infants, birth weight and gestational age.

RESULTS: We observed a significant reduction in the risk of low birth weight among infants born to women who received multimicronutrients during pregnancy compared with placebo (relative risk [RR] 0.81, 95% confidence interval [CI] 0.73-0.91) or iron-folic acid supplementation (RR 0.83, 95% CI 0.74-0.93). Birth weight was significantly higher among infants whose mothers were in the multimicronutrient group than among those whose mothers received iron-folic acid supplementation (weighted mean difference 54 g, 95% CI 36 g-72 g). There was no significant differences in the risk of preterm birth or small-for-gestational-age infants between the 3 study groups.

INTERPRETATION: Prenatal multimicronutrient supplementation was associated with a significantly reduced risk of low birth weight and with improved birth weight when compared with iron-folic acid supplementation. There was no significant effect of multimicronutrient supplementation on the risk of preterm birth or small-for-gestational-age infants.

Related Links

- <http://www.cmai.ca/cqi/reprint/180/12/E99>

Find out if you have free access to this full article. [Click here.](#)

Other Health Evidence Services

- tools to support EIDM
- workshops
- facilitated evidence review
- literature searching & instruction
- knowledge brokering

Tools

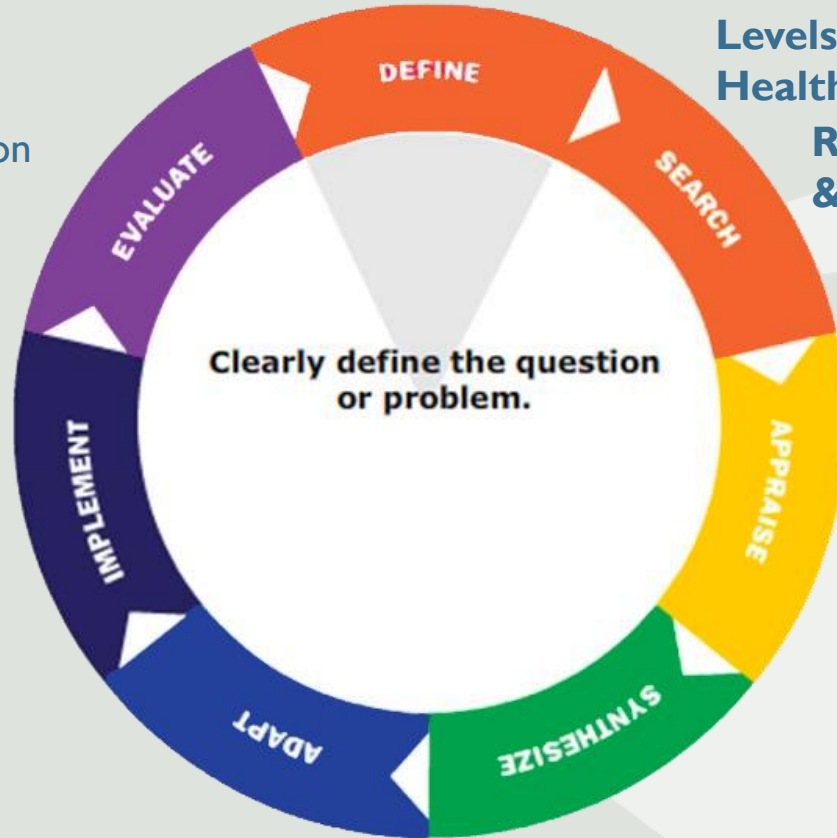
Developing an Efficient Search Strategy

Improving Future Decisions:
Optimizing the Decision Process
from Lessons Learned

Levels & Sources of Public Health Evidence

Resources to Guide & Track Your Search

Keeping Track of Search Results: A Flowchart



Briefing Note:
Decisions, Rationale
and Key Findings
Summary

EIDM Checklist

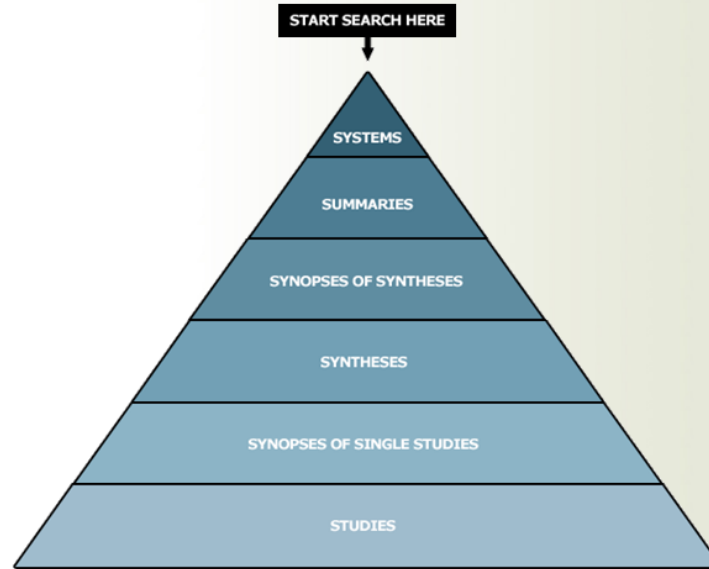
<input checked="" type="checkbox"/> <small>when completed</small>	Evidence-Informed Decision Making (EIDM) Phases & Steps	<small>File Path / Link to Saved Location on (insert name of your network here)</small>
<input type="checkbox"/> 1	Define question <i>Was a clear answerable search question developed?</i> What was the question? P _____ I _____ C _____ O _____	
<input type="checkbox"/> 2	Search for relevant evidence <i>Was a comprehensive search strategy employed to find the best available evidence to address this question?</i> PICO search terms table (See: Developing an Efficient Search Strategy) Years searched _____ Pyramid results (See: Levels & Sources of Public Health Evidence) Search results (See: Keeping Track of Search Results: A Flowchart) References saved in reference management software database (e.g., Reference Manager or RefWorks) What relevance criteria were used to determine evidence for quality assessment: <i>Primary</i> – titles and abstracts as found in reference management database (Save as separate reference management database) <i>Secondary</i> – Relevance assessment of full document versions (Save as separate reference management database) How many papers remained following relevance assessment(s)? (See Flowchart) _____	
<input type="checkbox"/> 3	Appraise <i>Was quality assessment conducted on relevant evidence?</i> How many papers remained after quality assessment? (See Flowchart) _____	
<input type="checkbox"/> 4	Synthesize <i>What were the results of the review of the evidence?</i> What were the actionable messages from the evidence? _____	
<input type="checkbox"/> 5	Implement	
<input type="checkbox"/> 6	Evaluate	

Levels & sources of public health evidence

Levels & Sources of Public Health Evidence

➔ [Download this tool: Levels & Sources of Public Health Evidence](#)

Modify & adapt this tool for your own use



Haynes, R.B. (2001). Of studies, syntheses, synopses, and systems: The "4S" evolution of services for finding current best evidence. *Evidence Based Medicine*, 6:36-38.

Haynes, R.B. (2007) Of Studies, Synthesis, Synopsis, Summaries and Systems; The 5 S's evolution of information services for evidence-based healthcare decisions. *Evidence Based Nursing*, 10:6-7.

DiCenso, A., Bayley, L., Haynes, R.B. (2009). Accessing pre-appraised evidence: Fine-tuning the 5S model into a 6S model. *Evidence Based Nursing*, 12:99-101.

Robeson, P., Dobbins, M., DeCorby, K., Tirillis, D. (2009) Facilitating access to pre-processed research evidence in public health. *BMC Public Health*. (Submitted June 2009).

Resources to guide/track your search



Health units are welcome to adapt this tool. Requirements for adapting this tool include:
Health Evidence and Peel Health are acknowledged for tool development; adapted tool cannot be used for profit (not to be sold).

Resources to Guide & Track Your Search

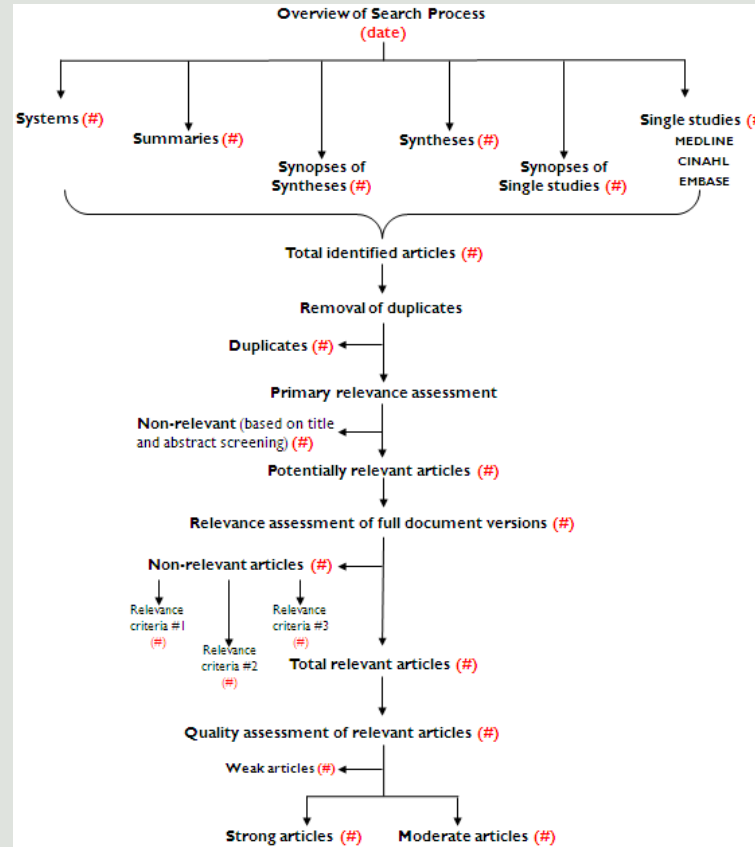
Question Searched: Insert the question that you are conducting this search to answer.
Remember PICO: Population, Intervention, Comparison, Outcome(s)
(See [Developing an Efficient Search Strategy Using PICO](#))

Date Search Conducted:

P:
I:
C:
O:

Level of the 6S Pyramid	Publicly Available YES / NO	Critical Appraisal Required YES / NO					Total No. Results (through search)	Link to Saved Search Strategy & Results (insert here)
SUMMARIES Evidence-Based Texts	NO	NO	Clinical Evidence http://www.clinicalevidence.com	Dynamed http://www.ebscohost.com/dynamed	Stat!Ref Pier http://pier.acponline.org/index.html	UpToDate http://www.uptodate.com		
SUMMARIES Guidelines	YES	NO	Guideline Advisory Committee (GAC) http://www.gacguidelines.ca/index.cfm?pagepath=GAC_Endorsed_Guidelines&id=21080 <i>Note: only archive accessible</i>					
	YES	YES	National Guidelines Clearinghouse (NGC) http://guideline.gov <i>Note: includes guidelines from the following organizations</i> <ul style="list-style-type: none"> National Institute for Health and Clinical Excellence (NICE) Public Health Guidance http://guidance.nice.org.uk/PHG?textonly=false Registered Nurses Association of Ontario (RNAO) http://www.rnao.org/bestpractices/index.asp Canadian Medical Association (CMA Infobase) http://www.cma.ca/index.cfm/ci_id/54316/la_id/1.htm Center for Disease Control and Prevention (CDC) 			Turning Research into Practice (TRIP) Database http://www.tripdatabase.com <i>Note: filter search by "Guidelines"</i>		

Keeping track of search results



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