

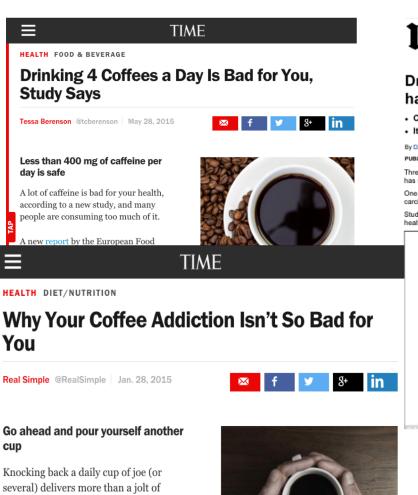
International Initiative for Impact Evaluation

Using synthesised evidence to improve education

Birte Snilstveit, Senior Evaluation Specialist, 3ie Editor, Campbell International Development Coordinating Group

Ghana Education Evidence Summit Accra, 6th **August**

Challenges of single studies: generalisability and reliability (quality)



energy. That morning brew comes with a

research. Here's how coffee can benefit

host of health benefits, according to

your body and your brain.

MailOnline



Drinking three cups of coffee a day could halve the risk of liver cancer

- . Coffee is proven to prevent diabetes, a known risk factor for liver cancer
- . It also has beneficial effects on cirrhosis and liver enzymes

By DAILY MAIL REPORTER

PUBLISHED: 00:57 GMT, 24 October 2013 | UPDATED: 07:19 GMT, 24 October 2013

Three cups of coffee a day could reduce the risk of liver cancer by up to 50 per cent, latest research has shown.

One study found the drink reduces the risk of the most common type of liver cancer, hepatocellular carcinoma (HCC), by 40 per cent but separate research indicated that risk could be reduced by half.

Study author Dr Carlo La Vecchia, said 'Our research confirms past claims that coffee is good for your health, and particularly the liver!

Mail Online

Why filter coffee is bad for you

by JAMES CHAPMAN, Daily Mail

Dropping coffee from your diet could reduce the risk of heart disease by as much as 15 per cent, according to a study.

Britons spend £850million a year on coffee. But experts suggest it can raise levels of cholesterol and homo-cysteine in the blood - both associated with heart disease and strokes.

There has been concern about the possible dangers of unfiltered coffee for some time but the more widelyconsumed filtered coffee has generally been given a clean bill of health.

The latest study suggests there may be a link between even filtered coffee and cardiovascular disease.

The team, led by Dr Benedicte Christensen of the Ulleval University Hospital in Oslo, concluded that compounds in coffee called terpenoids - which are only partially remove by filtering - were responsible for raising the heart disease risk.

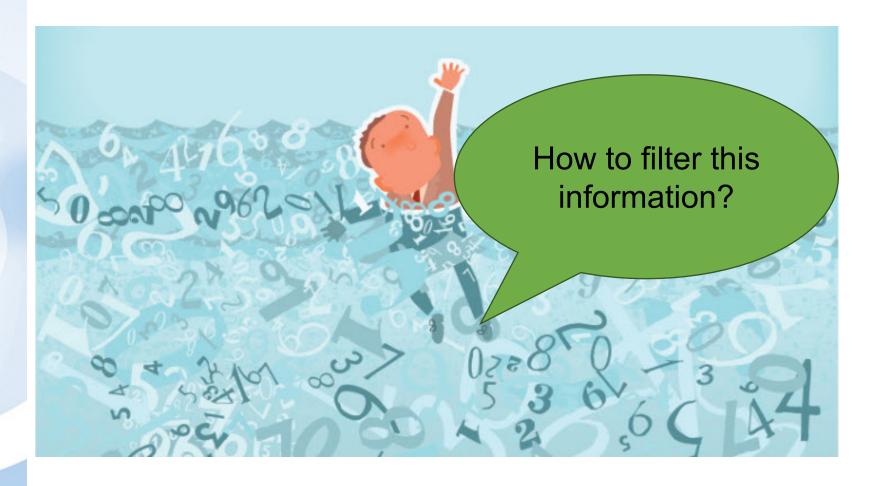
Writing in the American Journal of Clinical Nutrition today, they say abstaining from average amounts of coffee may lower the concentrations of both tHcy (total homocysteine) and total cholesterol.

Dr Christensen stud-ied a group of 183 Norwegian men and women, aged 24 to 69.

Cholesterol and tHcy levels went down in those subjects who abstained from coffee.

Those who usually have an average of four cups of coffee per day could reduce their cholesterol-related risk of heart disease by 15 per cent and homocysteinerelated risk by the per cent the existing the cut.

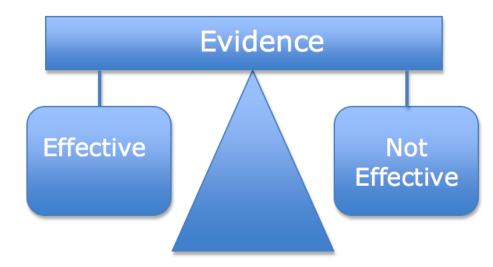
Challenge of information overload





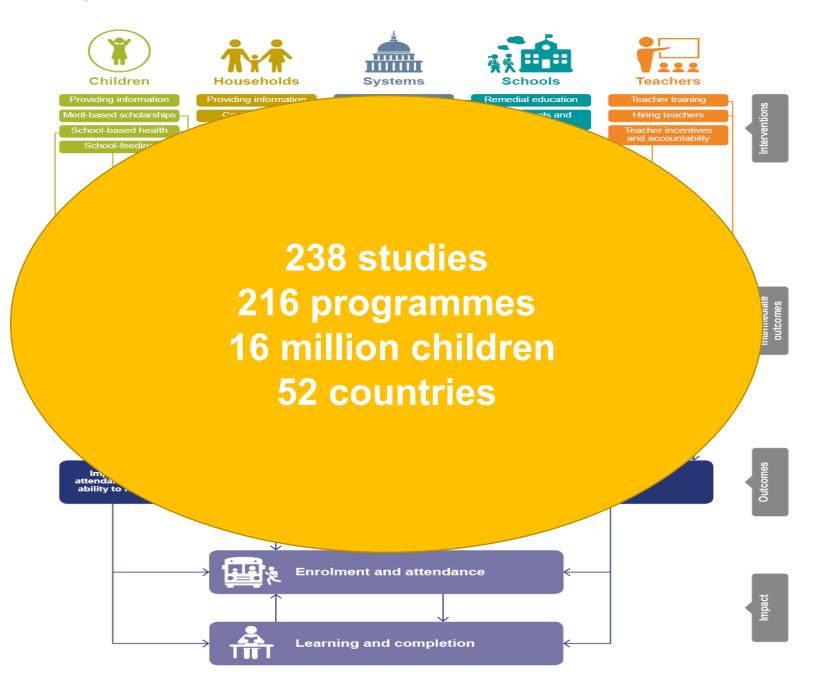
Why systematic reviews?

- A way of establishing the overall balance of empirical evidence on a particular question
- Separating higher quality from lower quality evidence
- Identifying what is generalisable and what is context specific
- May reject accepted wisdom, confirm what we think we know or identify new findings based on all available evidence

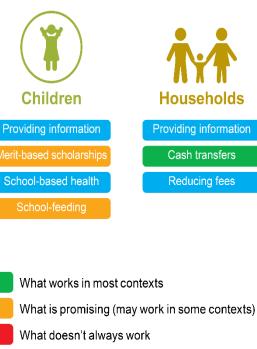




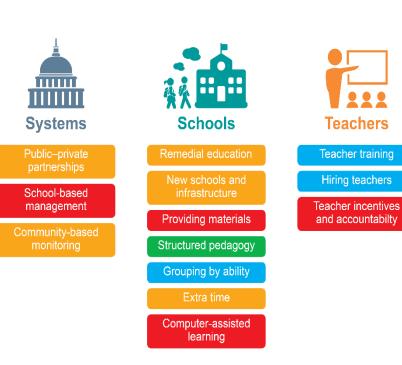
Scope and intervention framework



What works in most contexts, what is promising and what is unknown

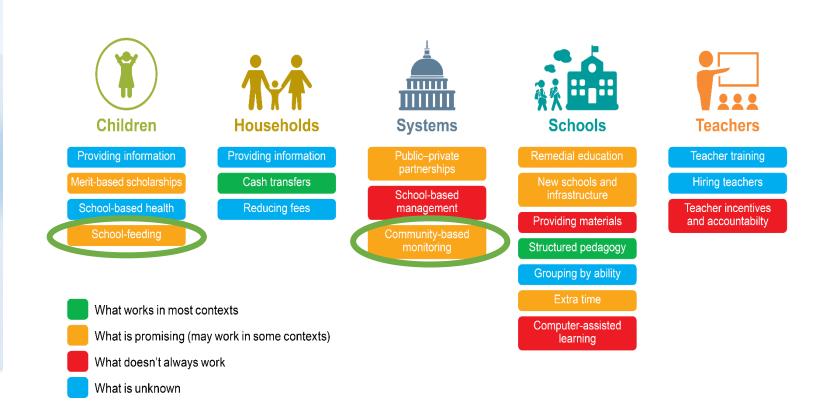


What is unknown



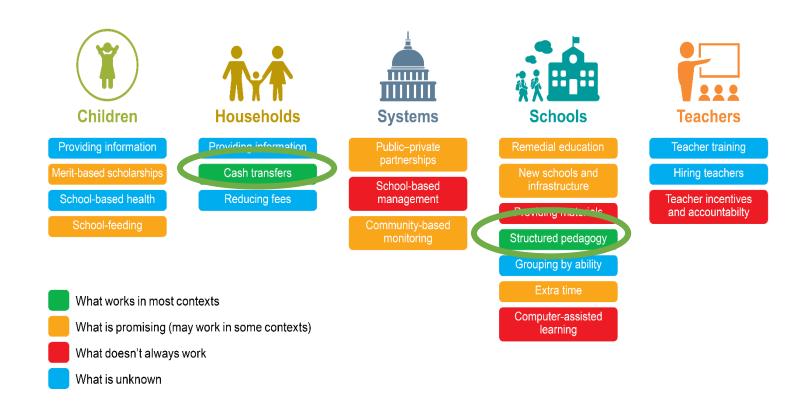


Programmes typically improve either participation or learning, but not both



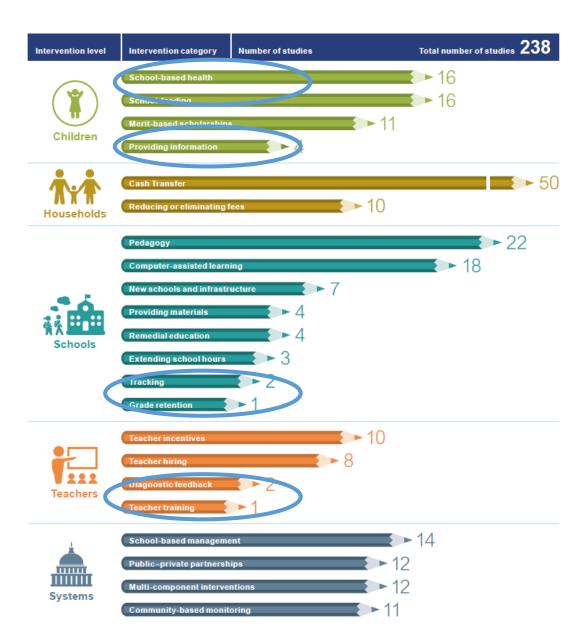


Works in most context: Cash transfers and structured pedagogy





Substantial resources are directed to programmes where effects remain unknown





How can evidence from systematic reviews be used?

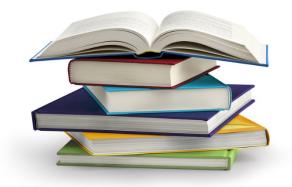
'Evidence based medicine is the conscientious, explicit, and judicious use of current best evidence in making decisions about the care of individual patients.

The practice of evidence based medicine means integrating individual clinical expertise with the best available external clinical evidence from systematic research.' (Sackett et al., 1996, p. 71).



Improve programme design and implementation









Inform decisions about education strategies in specific contexts





Conclusions and policy lessons

- Systematic reviews provide reliable and accessible evidence for informing policy and programming
- ⇒ But need to be interpreted for specific contexts
- Need a framework for institutionalising evidence use can we learn from health?
- ⇒problem analysis and capacity of other parts of the school system
- ⇒acceptability, feasibility, costs
- ⇒evidence translation trough a deliberative process with experts and key stakeholders
- Continuous investment in evidence required
- ⇒Primary research: interventions, geographical, equity, implementation
- ⇒Synthesis: Regular updates of SRs + syntheses on new topics

Citation

 Technical report, summary report and brief available here:

http://www.3ieimpact.org/en/publications/systematic-review-publications/3ie-systematic-review-education-effectivenes-srs7/



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