## Informed Health Choices

Learning resources for vaccinating children against unreliable claims and uninformed choices Camilla Stoltenberg, NIPH





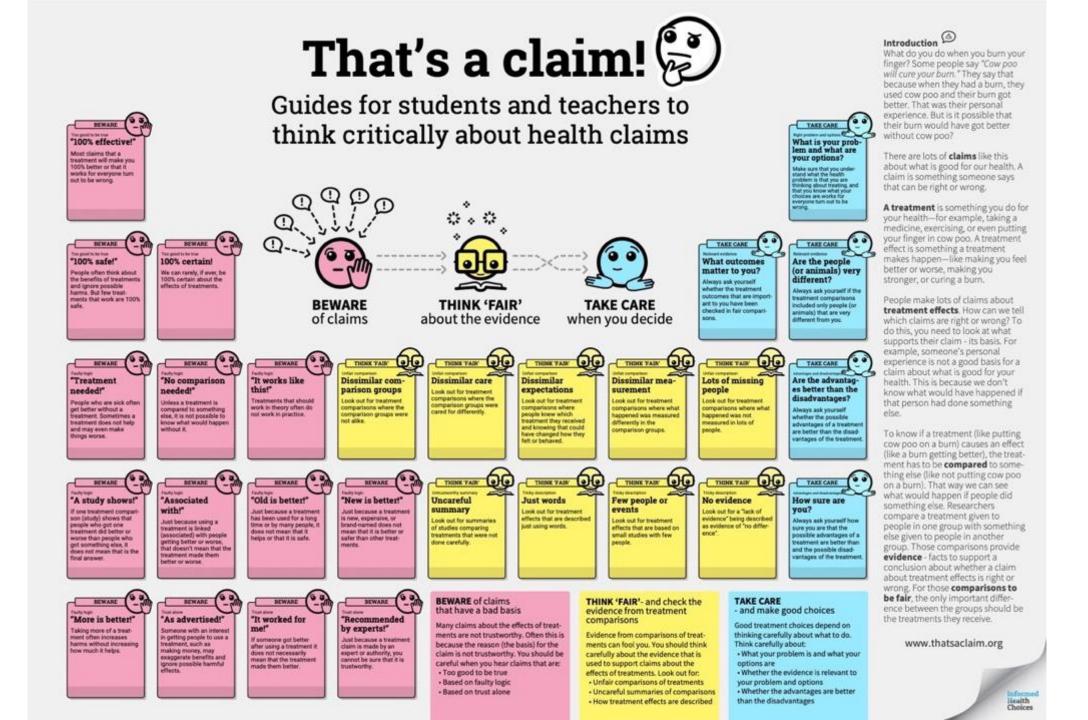


### The problem

- 1. Unreliable health claims
- 2. Inability to assess claims
- 3. Uninformed health choices



# What do people need to learn?



### www.thatsaclaim.org

**THINK 'FAIR'** 

oHo

BEWARE

#### Trust alone "It worked for me!"

If someone got better after using a treatment it does not necessarily mean that the treatment made them better.

**READ MORE** 

Unfair comparison Dissimilar comparison groups

Look out for treatment comparisons where the comparison groups were not alike.

**READ MORE** 

**TAKE CARE** 

Advantages and disadvantages

### Are the advantages better than the disadvantages?

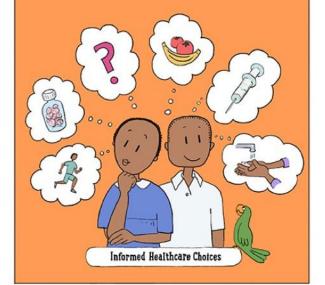
Always ask yourself whether the possible advantages of a treatment are better than the disadvantages of the treatment.

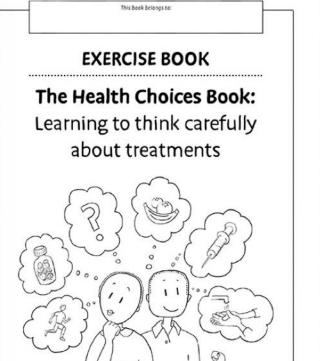
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# What can we do to help children learn?

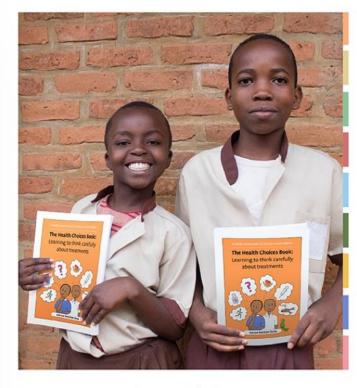
#### A health science book for primary school children

The Health Choices Book: Learning to think carefully about treatments





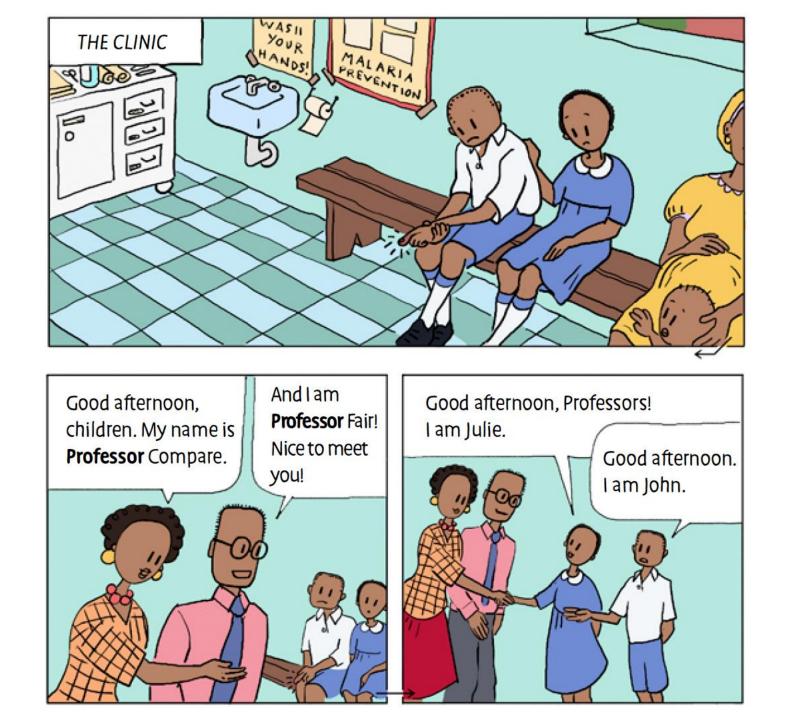
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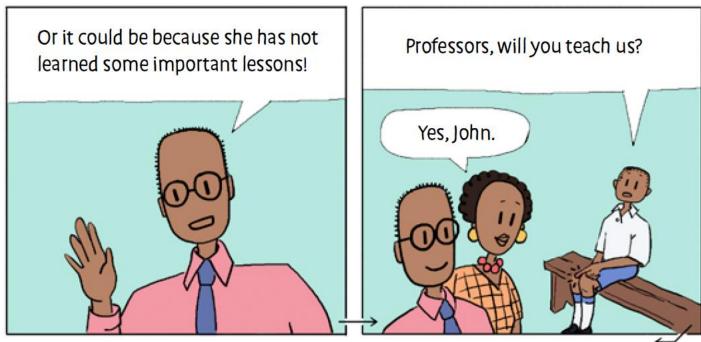
#### TEACHERS' GUIDE for The Health Choices Book

Informed Healthcare Choices









# How can we measure what they have learned?

Habibah has pain in her ear, and she asks her brother Hassan what to do about it. He says that once, when he had a pain like that, he rinsed his ear with hot water. The next day, his ear pain was gone. Based on his experience, he says rinsing with hot water is helpful for ear pain.

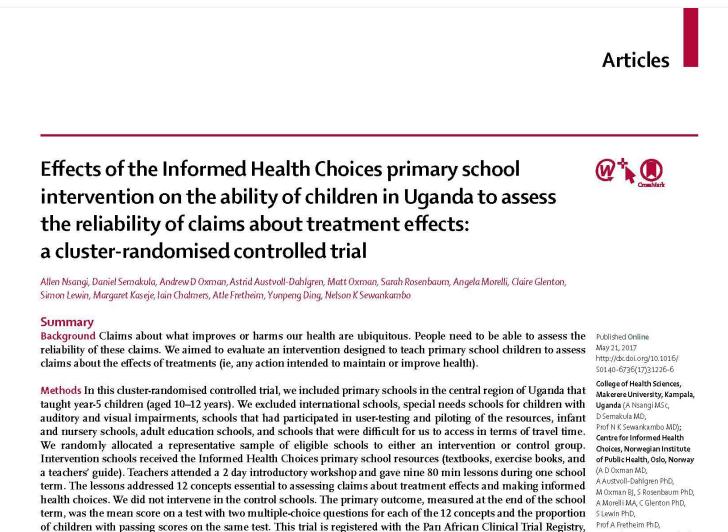


Do you agree with Hassan?

- A. Yes, because this is Hassan's experience, it is likely to be true.
- B. No, Hassan's experience is not enough to be sure.
- C. Yes, Hassan rinsed his ear with hot water, and the next day his ear pain was gone.



### Nsangi et al. The Lancet 2017



number PACTR201606001679337.

Y Ding PhD); University of Oslo, Oslo. Norway (A Nsangi, ≈ 2000 eligible schools

170 randomly selected

120 consented and randomised

60 intervention schools60 control schools $\approx$  6400 children $\approx$  6300 children

	<b>Control schools</b> N schools = 60 N children = 4430	Intervention schools N schools = 60 N children = 5753	Adjusted difference	Odds ratio
Primary outcome				
Average score	43%	62%	<b>20%</b> (95% CI 17% to 23%) P < 0.00001	
Passed (≥ 13 out of 24 correct)	27 children per 100	69 children per 100	50 more children per 100 (95% Cl 44 to 55 more)	9 (95% CI 7 to 13) P < 0.00001
Secondary outcome				
Mastery (≥ 20 out of 24 correct)	1 child per 100	19 children per 100	<b>18 more children</b> <b>per 100</b> (95% Cl 18 to 18 more)	35 (95% CI 21 to 61) P < 0.00001

"[This is about] things we might actually use instead of things we might use when we are all grown up. And by then we'll forget."

Child participant in development of primary school resources, Norway

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