

## 謝辞



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## Content analysis of primary and secondary school textbooks regarding soil-transmitted helminthiasis: a multi-country study

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## Background



### Soil-transmitted helminthiasis (STH)

- Prevalent among school age children
- Cause of malnutrition/poor academic performance

### Health education for STH

- Should be taught within school curricula
- Skill-based education (how to prevent infection)

## Literature review



### Content analysis on school textbooks

- 14 studies

### Study setting

- Developed countries

### Study topics

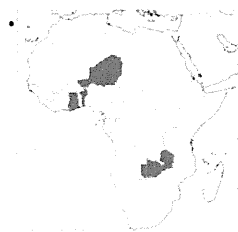
- Sexually-transmitted diseases
- Reproductive health
- Nutrition

## Objective

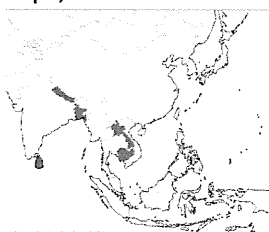
- To examine whether school textbooks used in tropical countries contain knowledge and skills that help children to cope with STH

## Target countries

Ghana, Niger, Benin, Zambia



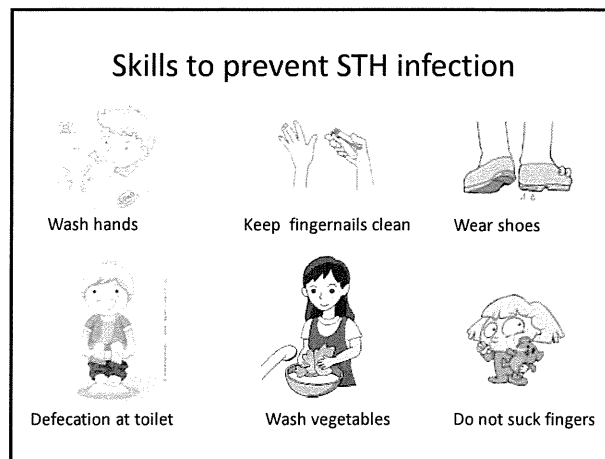
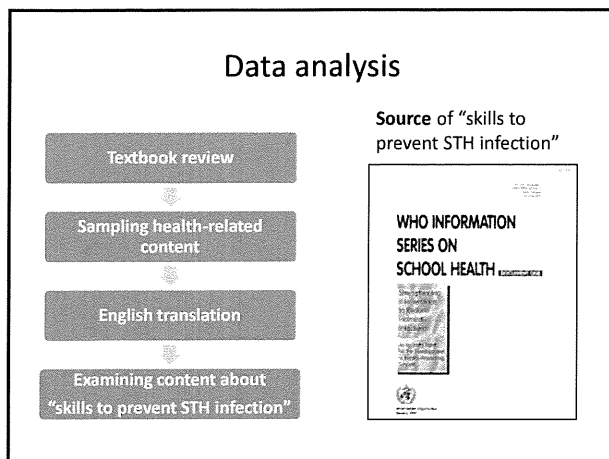
Cambodia, Laos, Bangladesh, Nepal, Sri Lanka



## Textbook collection

- Textbooks used in primary and lower secondary public schools
- Grade 1 to 9
- All subjects
- A total of 474 books





### Grades at which STH-related content is presented

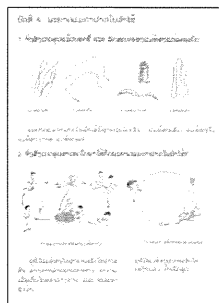
	1	2	3	4	5	6	7	8	9
Laos		✓	✓						
Cambodia			✓	✓					✓
Bangladesh					✓				
Nepal							✓		✓
Sri Lanka									
Zambia									
Niger					✓				✓
Benin			✓		✓				✓
Ghana									

### Content about STH

Classification of STH content

Content	n (n=14)	%
Biology	3	21.4
Cause/transmission	10	71.4
Symptom	6	42.9
Treatment	4	28.6
Prevention	10	71.4
Epidemiology	6	42.9

Example: Laos grade 3



### Presence of content related to "skills to prevent STH infection" in textbooks

	Lao	Cam	Ban	Nep	Sri	Zam	Nig	Ben	Gha
Wash hand before eating	○	○	○	△	△	△	△	○	△
Wash hands after defecating	○	△	○	○	△	△	△	○	△
Wash hands after playing	×	×	×	△	△	×	×	×	×
Keep finger nails clean	△	×	○	△	△	△	△	△	△
Do not suck fingers	×	×	×	×	×	×	×	×	×
Wear shoes or sandals	○	×	○	×	×	△	○	○	×
Wear glove when working	×	×	×	×	×	×	×	×	×
Wash vegetables and fruits	○	△	○	△	△	△	△	○	△
Use toilet	○	△	○	○	△	△	△	○	△
Do not use excreta as fertilizer	○	×	×	×	×	×	○	○	×

○ : presented as STH coping skill, △ : not linked with STH but presented, × : not presented

### Conclusion

- The textbooks of Sri Lanka, Zambia and Ghana lacked the content related to STH.
- Many skills to prevent STH infection were presented in textbooks. But, these skills were often unlinked with STH prevention.

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