

Swiss TPH Winter Symposium 2017

Helminth Infection – from Transmission to Control

Health promotion for helminth control

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Basel, 7th December 2017

Educational entertainment tools

Television programs i.e. *Sesame Street* → positive effect on cognitive development of young children

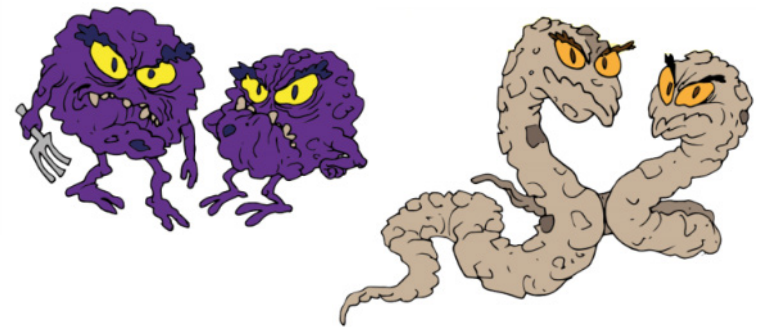
Video-based health education interventions in school setting well established

Video-based health education for infectious diseases → only few studies of good quality assessing the effect

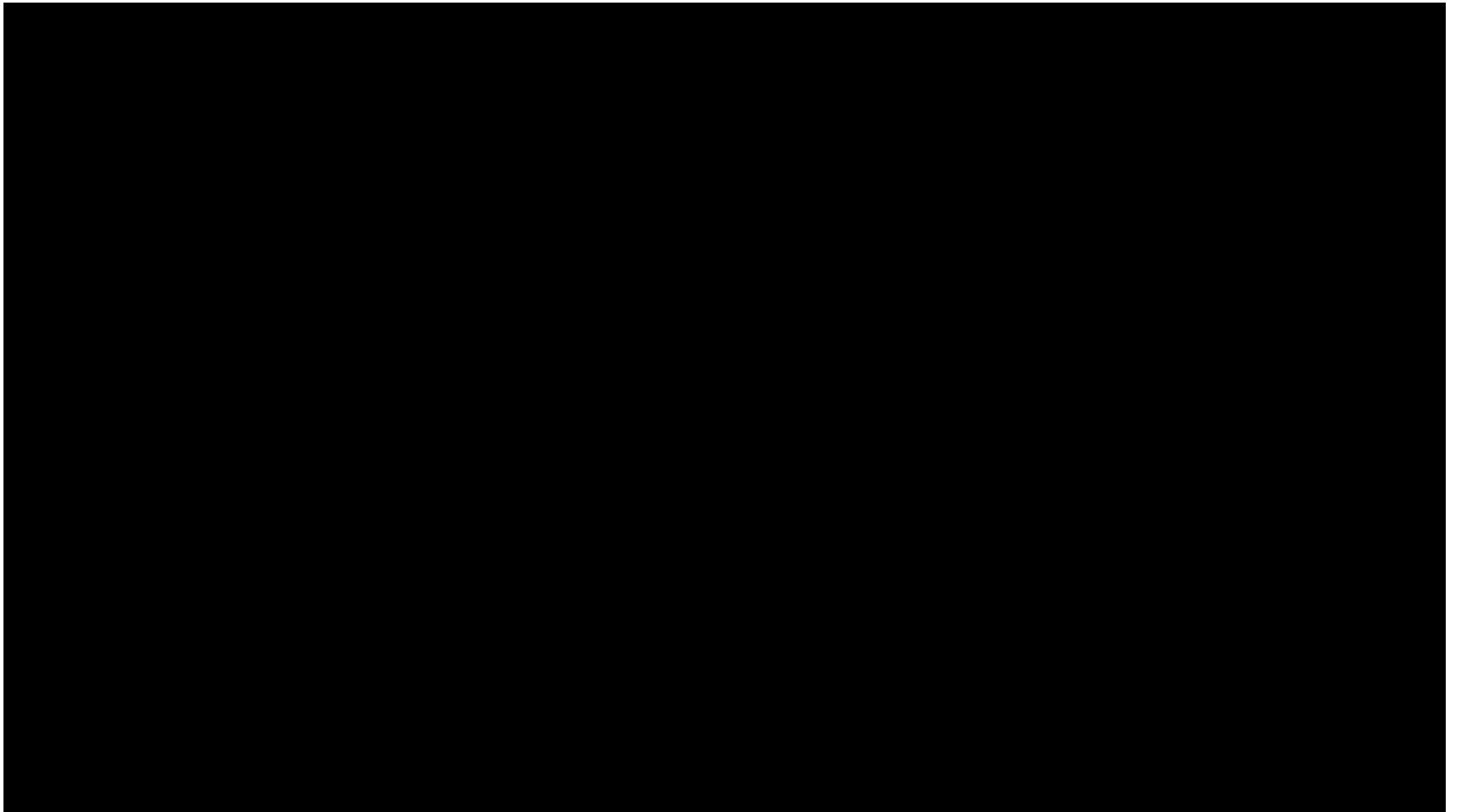


Bieri et al., 2013

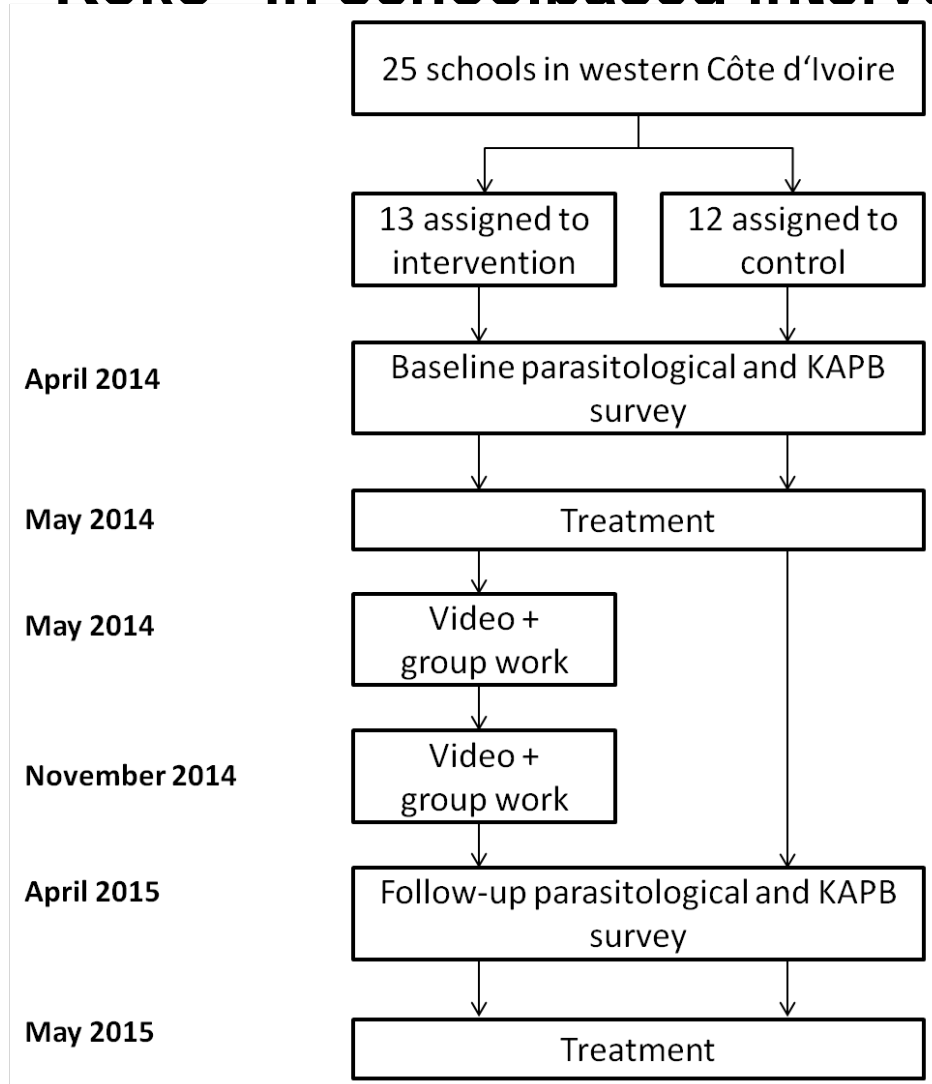
KOKO et les lunettes magiques



Trailer

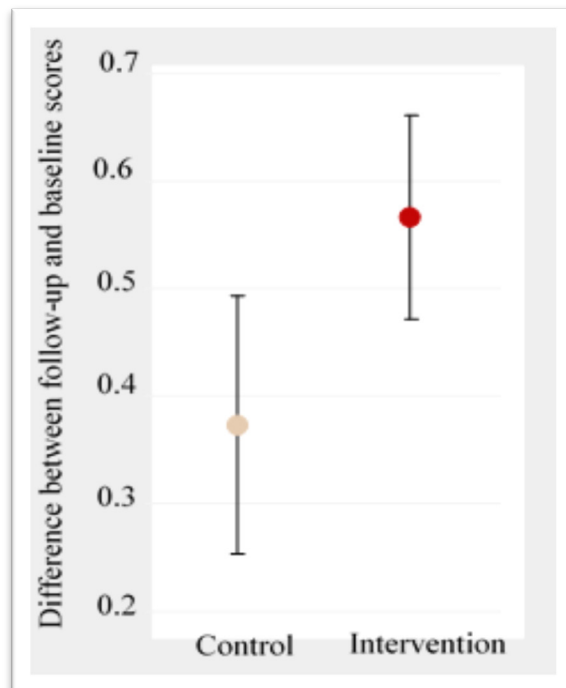


“Koko” in schoolbased intervention study





Improved knowledge, but no effect on helminthic infection



Spontaneous answers to the question: How can we get infected?	Control (# children)	Intervention (# children)
If we do not cover our food (flies will land on it).	5	20
If we do not wash our hands after defecating.	0	11
If we defecate in the bush/river (open defecation).	1	12

“Koko” in community based intervention study

Cluster randomised trial



Health education

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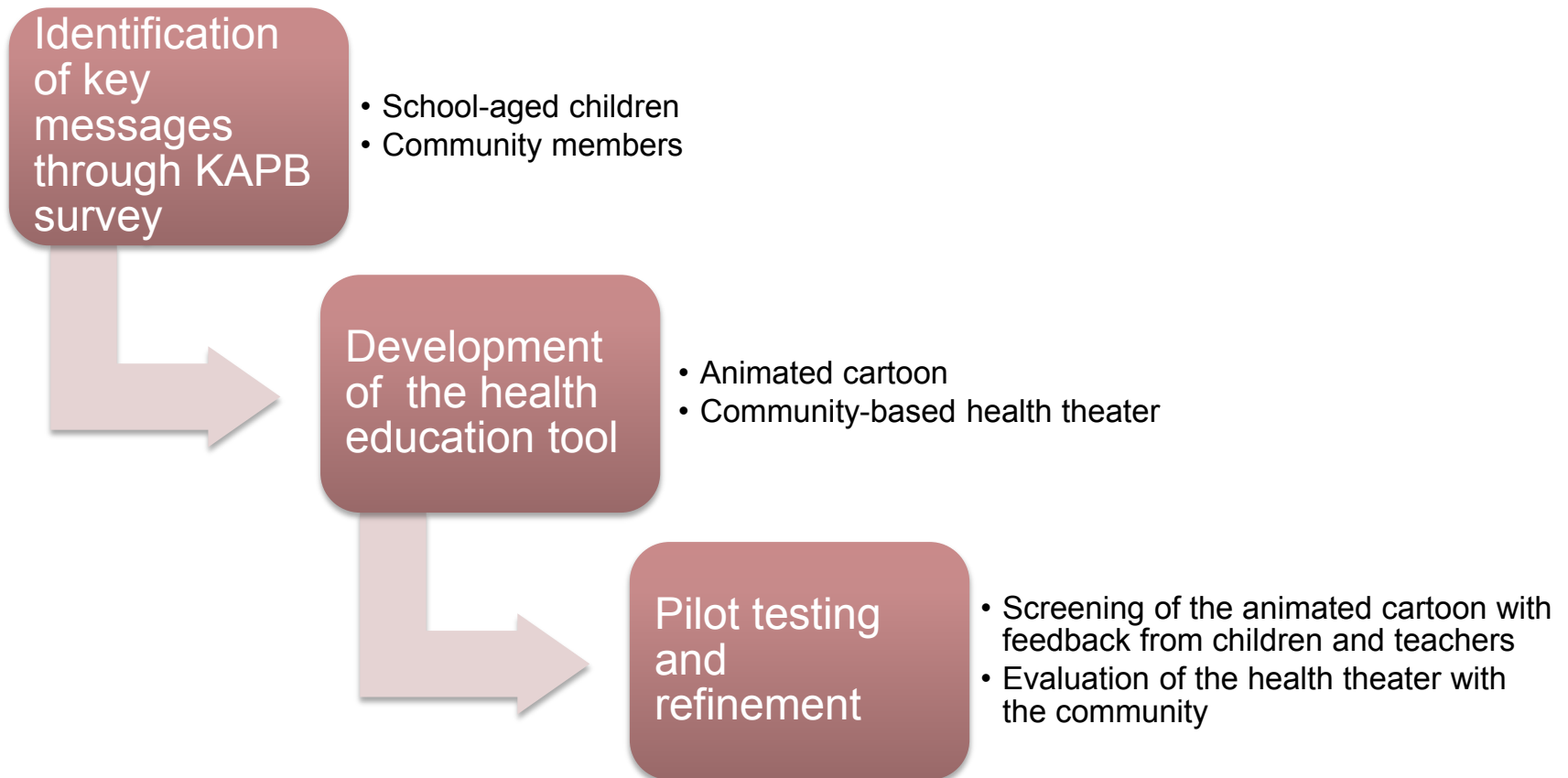


Latrine use

Variable	Baseline			Follow-up		
	OR	95% CI	P-value	OR	95% CI	P-value
Arm 1: MDA	1.00			1.00		
Arm 2: MDA+CLTS	0.87	0.6; 1.3	0.051	3.69	0.7; 19.5	0.125
Arm 3: MDA+HE	1.80	1.2; 2.7	0.003	13.50	1.1; 172	0.045
Arm 4: MDA+HE+CLTS	1.06	0.7; 1.6	0.780	17.07	1.6; 138	0.016

“Not everyone has yet understood the importance of latrines, that’s why they did not build them. But when all will understand the importance, they will build latrines on their own with no need of people telling them to do so”. Community health worker from Ahouati during the baseline survey.

Summary of approach



Conclusion

- Identifying key messages through formative research before development of health educational tools results in tools that are tailored to the needs of the target population
 - Health education in schoolbased interventions **can increase hygiene knowledge** of schoolchildren, but the knowledge cannot be put into practice if access to sanitation is lacking/difficult
 - Health education is important to increase **adherence of communities** to improving their sanitation profile
- **need for integrated/combined and locally adapted approaches**

Acknowledgements

- UBS Optimus Foundation
- Centre Suisse de Recherches Scientifiques en Côte d'Ivoire, Abidjan, Côte d'Ivoire
- Université Félix Houphouet Boigny, Abidjan, Côte d'Ivoire
- Ministries of Health and Sanitation of Côte d'Ivoire
- Fairmed, Bern
- UNICEF Côte d'Ivoire
- Africa Toon, Abidjan, Côte d'Ivoire
- Co-investigators: Jürg Utzinger, Bassirou Bonfoh, Eliézer K N'Goran, Clémence Essé, Kouassi Dongo, Mamadou Ouattara, Eveline Hürlimann, Veronique Koffi, Coulibaly Gaoussou, Mahan Virginie, Marta Palmeirim, etc.

Thank you!

