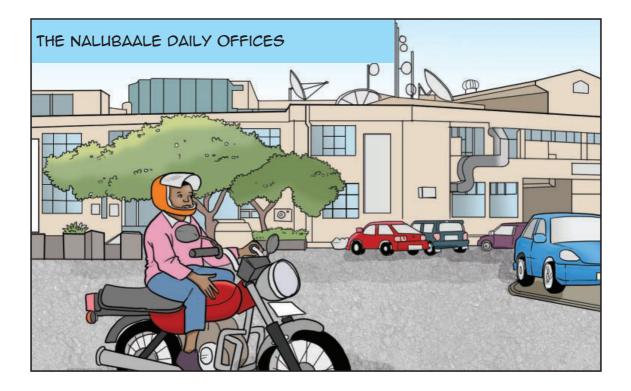
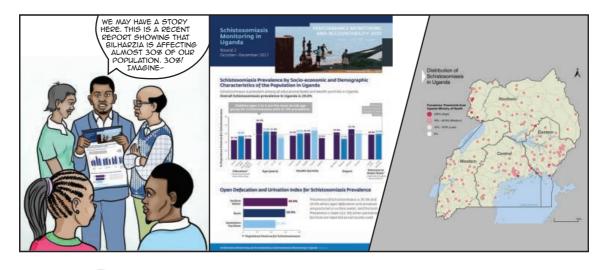
Weak Links: The breakdown in Mass Drug Administration for Bilharzia









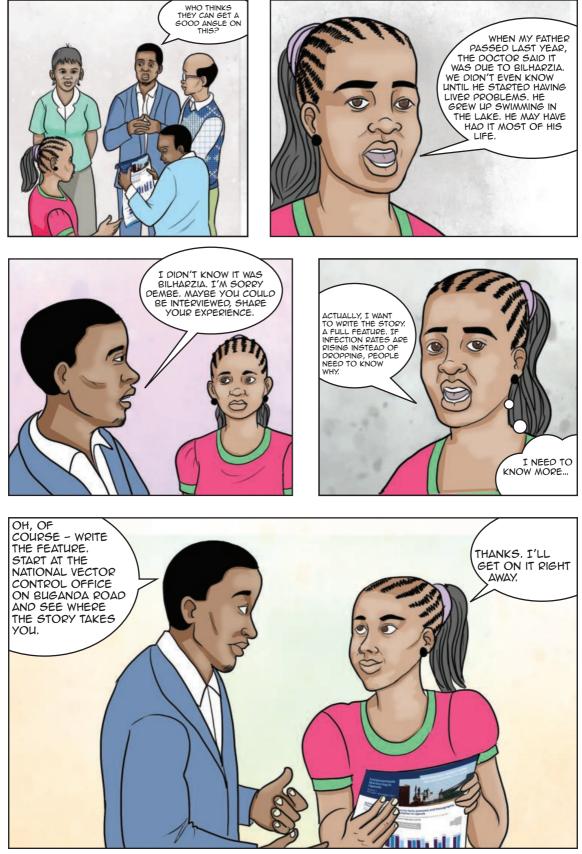


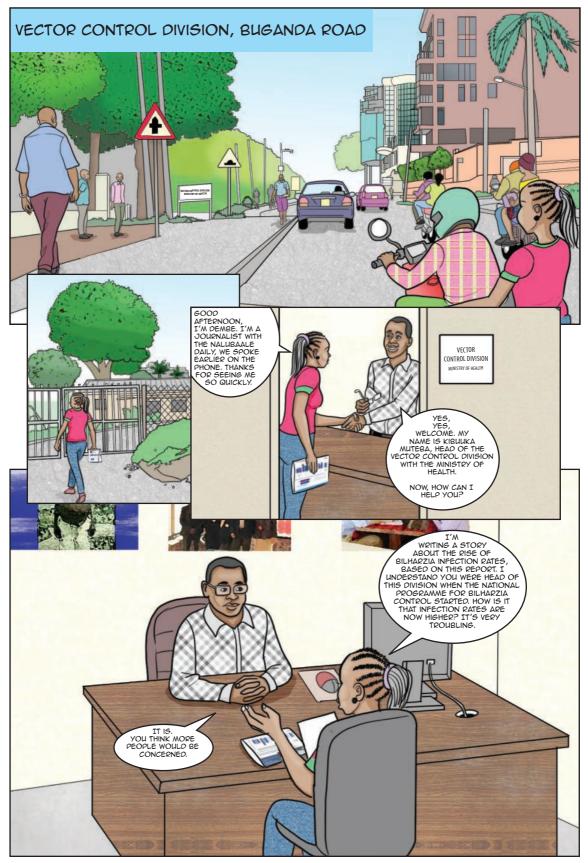


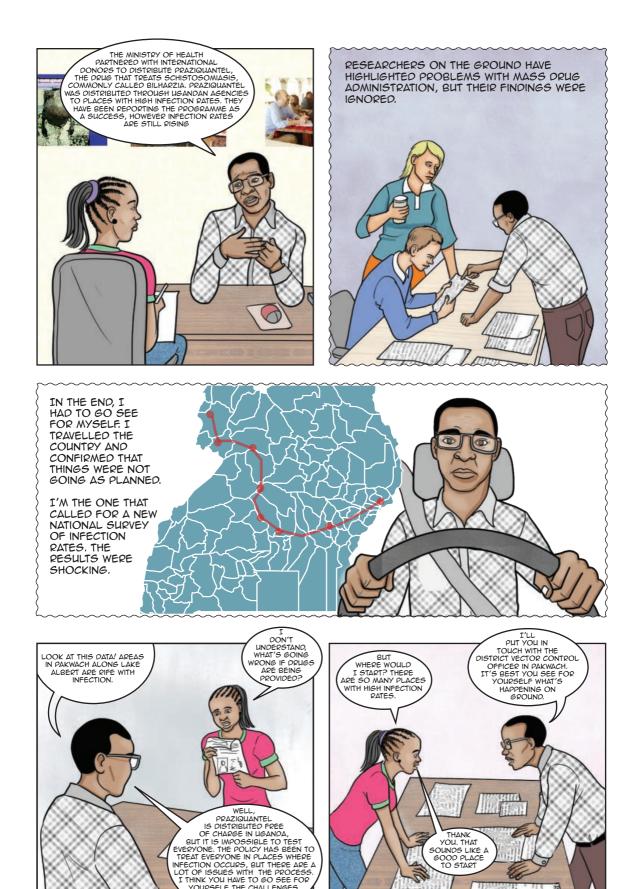
MY THOUGHTS EXACTLY. I DUG UP YOUR REPORT FROM 2003...

THERE WERE SEVERAL HIGH-PROFILE EVENTS AROUND THE ROLL OUT FOR MASS DRUG ADMINISTRATION IN DISTRICTS ACROSS UGANDA, ESPECIALLY THOSE WITH HIGH RATES OF INFECTION. SO WHY DIDN'T THE PROGRAMME WORK?







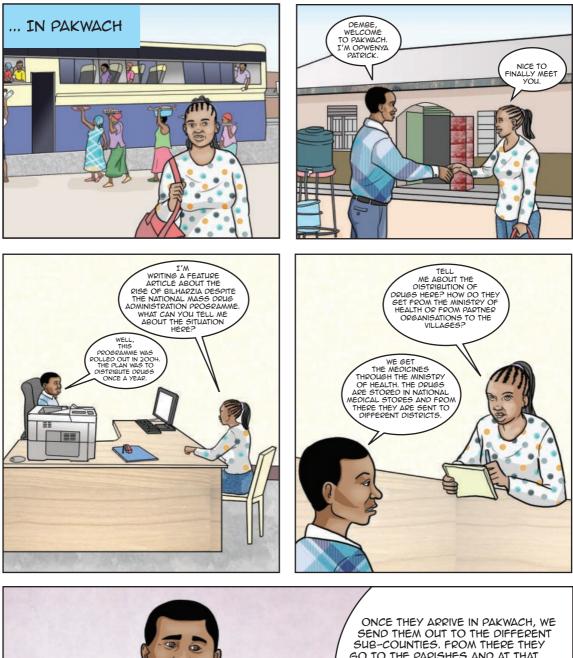


YOURSELF, THE CHALLENGES ARE NOT THE SAME IN

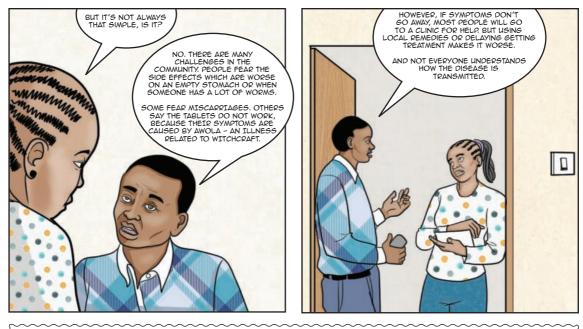
EVERY AREA

5

in surf









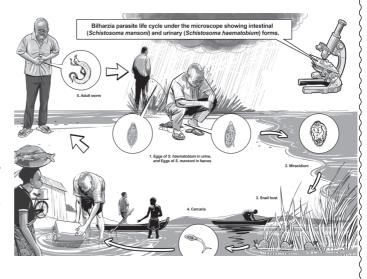
LET ME EXPLAIN THE LIFE CYCLE:

WHEN SOMEBODY WHO HAS BILHARZIA DEFAECATES OR URINATES IN THE OPEN, THEY RELEASE MICROSCOPIC EGES WHICH WASH INTO THE RIVERS AND LAKES WHEN IT RO LAKES

THESE EGGS DEVELOP AND ENTER A TYPE OF SNAIL THAT LIVES ALONG THE SHORE. AFTER SOME TIME. THE SNAILS RELEASE TINY 'CERCARLE' WHICH LOOK LIKE WORMS UNDER A MICROSCOPE.

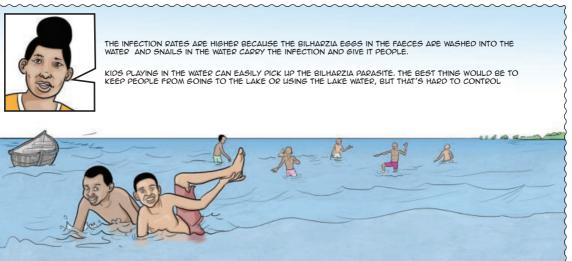
WHEN SOMEBODY ENTERS THE WATER WITHOUT PROTECTIVE GEAR, LIKE GUM BOOTS, THE MICROSCOPIC WORMS ENTER THROUGH THE SKIN.

THE PARASITE THEN DEVELOPS IN THE PERSON AND THEY GET SICK.



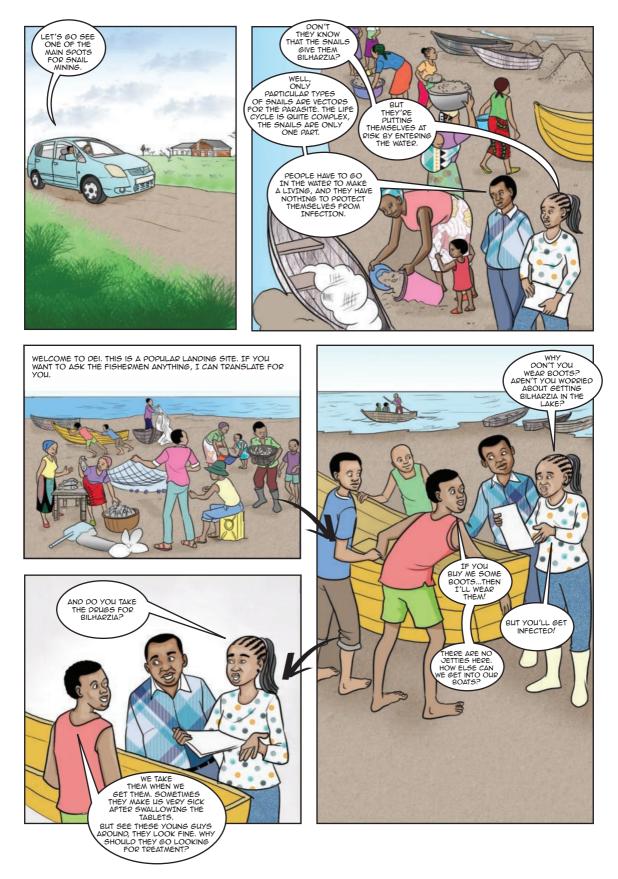




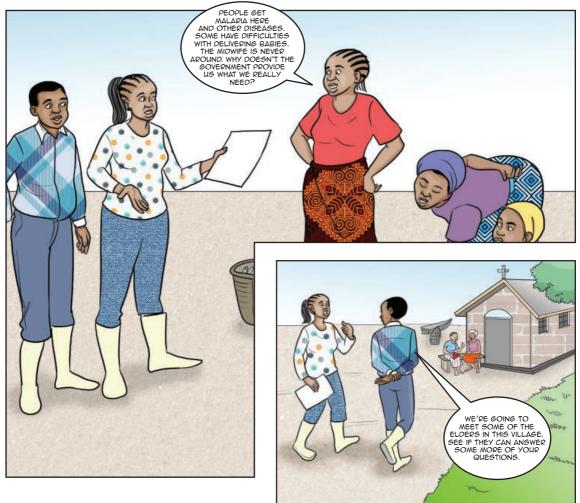


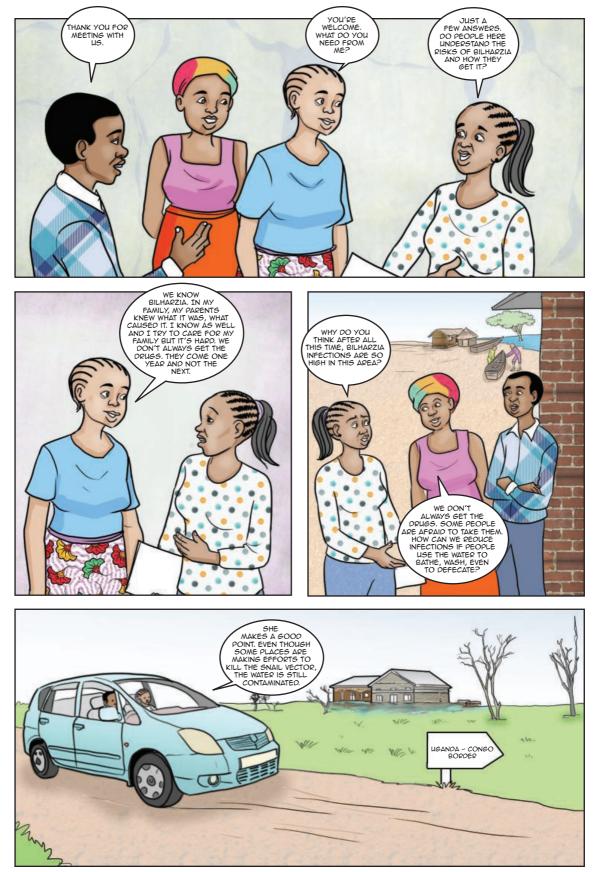










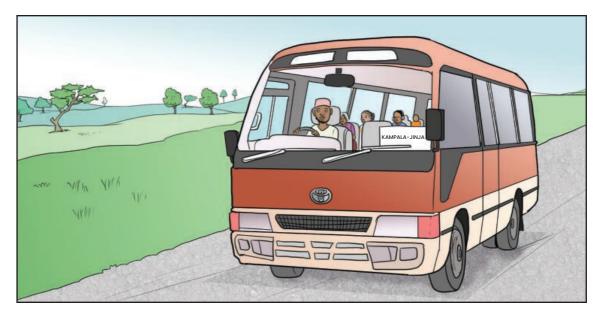






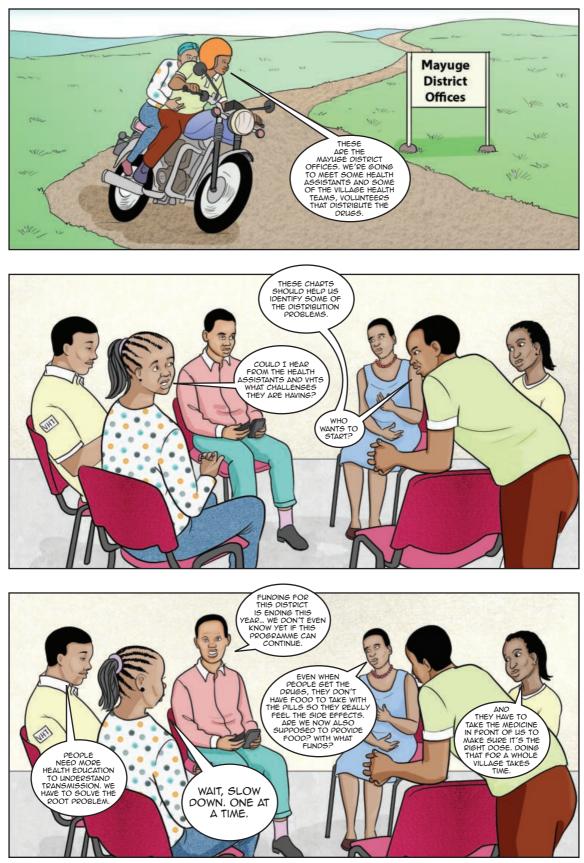


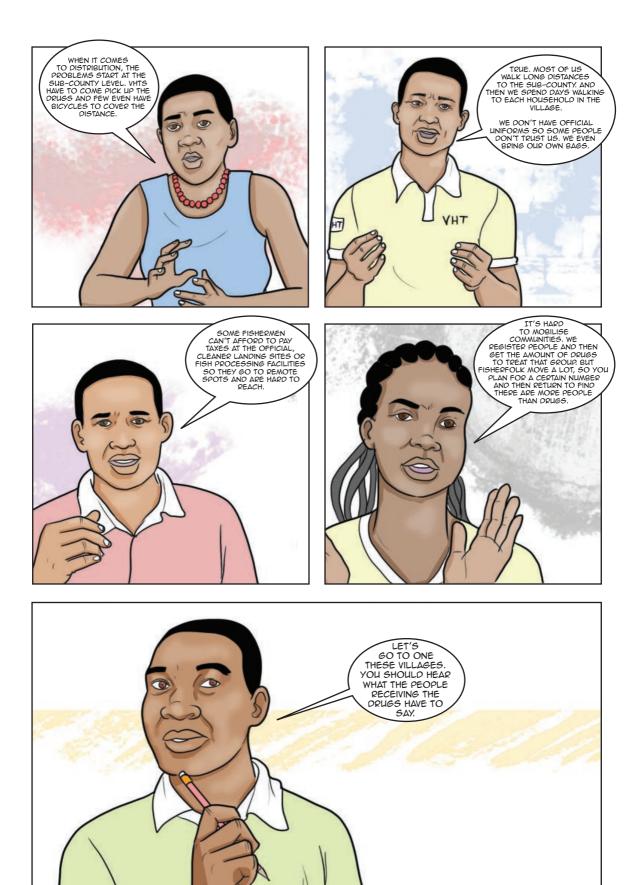


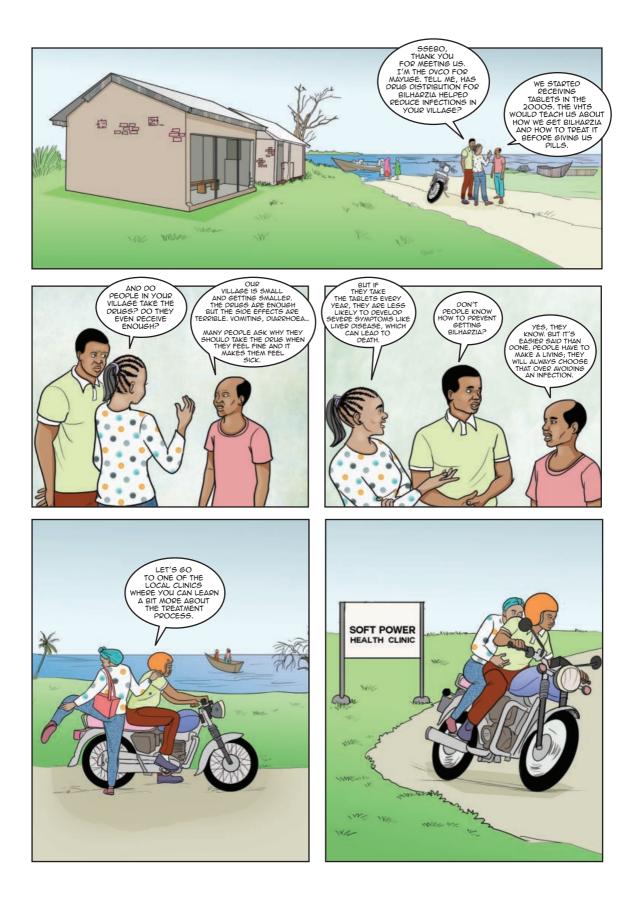


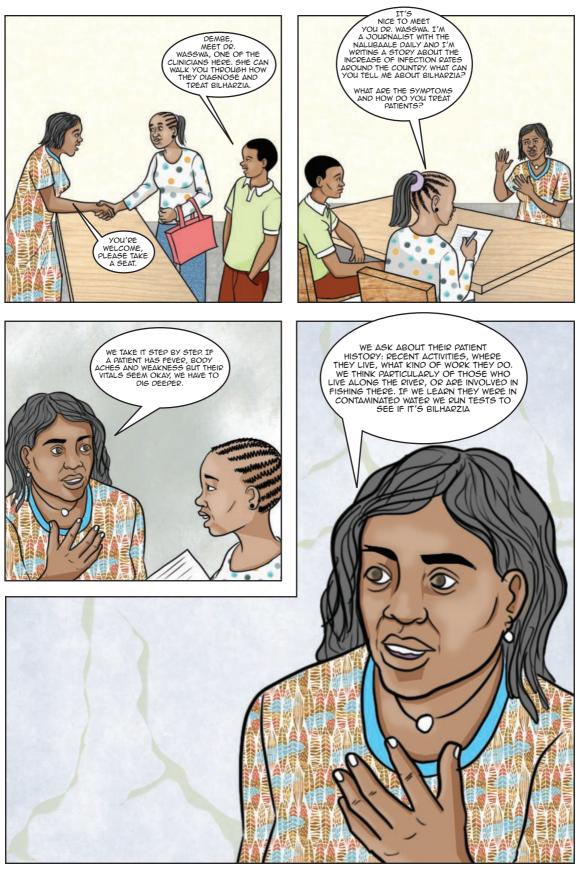


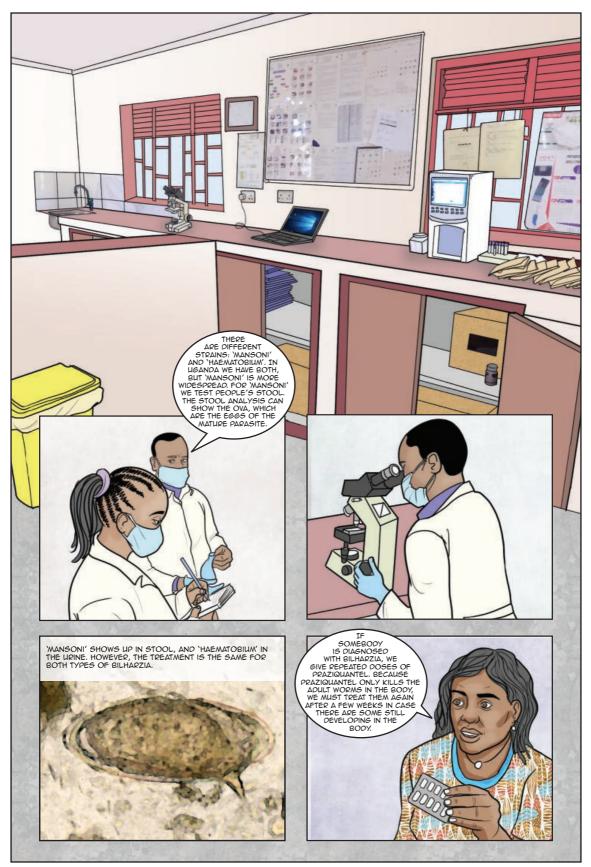


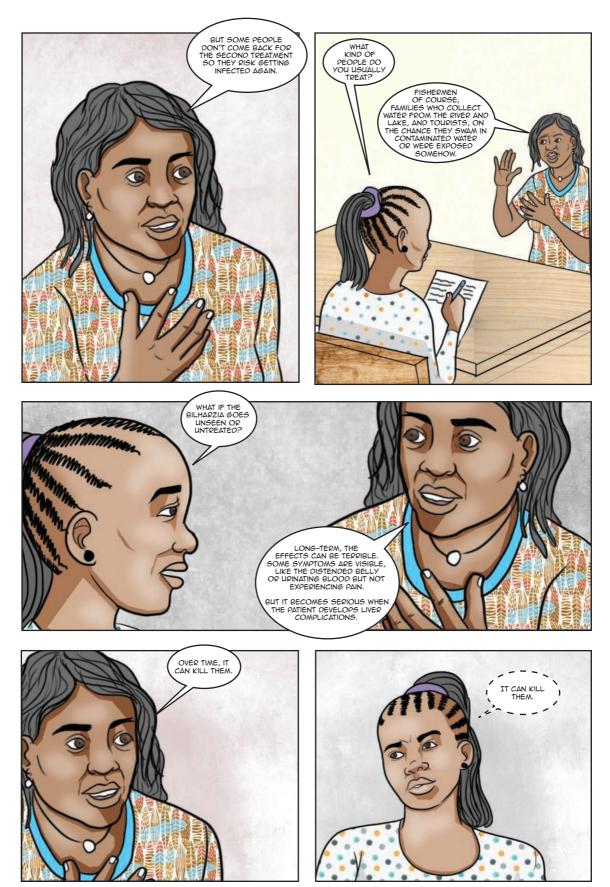


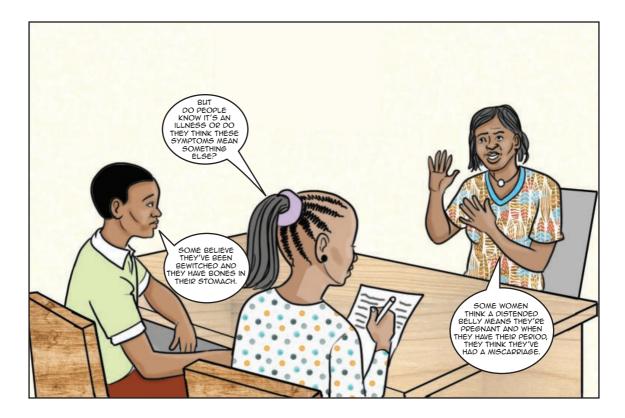




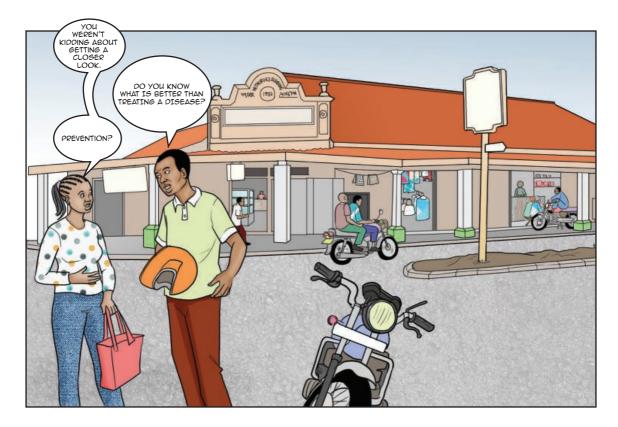




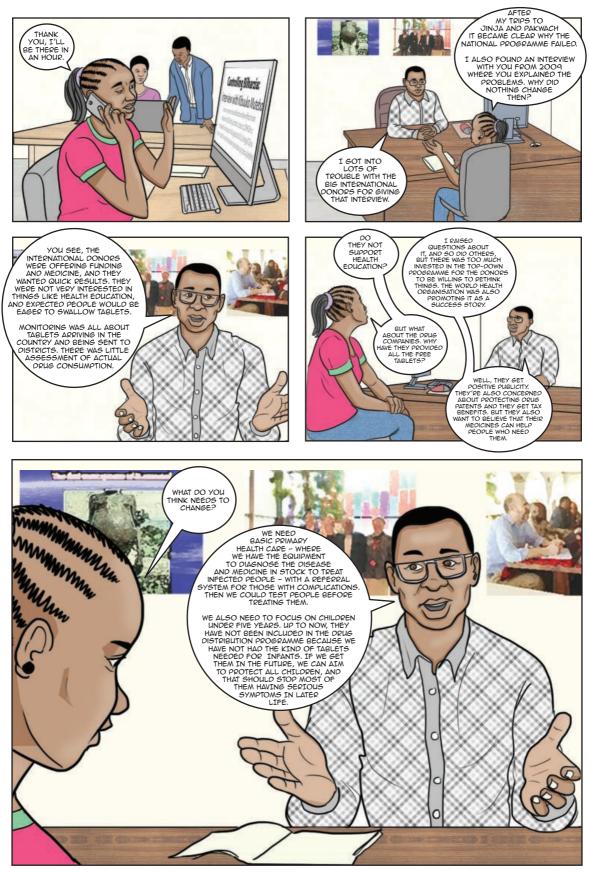


















References

For a description of schistosomiasis (bilharzia) https://www.who.int/news-room/fact-sheets/detail/schistosomiasis

Research highlighting the problems with control programmes for schistosomiasis in Uganda.

- Parker M, Allen T and Hastings J (2008). 'Resisting control of neglected tropical diseases: dilemmas in the mass treatment of schistosomiasis and soil-transmitted helminths in northwest Uganda.' Journal of Biosocial Science 40 (2): 161-181. Accessed here: <u>https://www.cambridge.org/core/journals/ journal-of-biosocial-science/article/abs/resisting-controlof-neglected-tropical-diseases-dilemmas-in-the-masstreatment-of-schistosomiasis-and-soiltransmitted-helminths-innorthwest-uganda/IF89BF1921C3988DD2F1631137C7717A
 </u>
- 2. Melissa Parker, Tim Allen, Georgina Pearson, Nichola Peach, Rachel Flynn & Nicholas Rees (2012). Border parasites: schistosomiasis control among Uganda's fisherfolk, Journal of Eastern African Studies, 6:1, 98-123. Accessed here: <u>https://www.tandfonline.com/ doi/full/10.1080/17531055.2012.664706</u>
- Parker, M., Allen, T. (2011). Does mass drug administration for the integrated treatment of neglected tropical diseases really work? Assessing evidence for the control of schistosomiasis and soil-transmitted helminths in Uganda. Health Res Policy Sys 9, 3. Accessed here: <u>https://health-policy-systems.biomedcentral.com/ articles/10.1186/1478-4505-9-3</u>
- 4. Allen, T., Parker, M. (2012). Will increased funding for neglected tropical diseases really make poverty history? The Lancet 379, 9821. Accessed here: <u>https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(12)60159-7/fulltext</u>
- 5. Yamey G (2009). The Unsung Hero of Neglected Tropical Diseases: Interview with Narcis Kabatereine. PLoS Negl Trop Dis 3(12). Accessed here: <u>https://journals.plos.org/plosntds/article?id=10.1371/journal.</u> <u>pntd.0000546</u>
- Exum NG, Kibira SPS, Ssenyonga R, Nobili J, Shannon AK, Ssempebwa JC, et al. (2019). The prevalence of schistosomiasis in Uganda: A nationally representative population estimate to inform control programs and water and sanitation interventions. PLoS Negl Trop Dis 13(8). Accessed here: https://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0007617