

Social Ecological Model for Children Associated with the ZEST Schistosomiasis (Kichocho) School-based Intervention

Level	Who do we want to change	What do we want to change	Behavioral Construct to influence	Intervention Approach	Change Agents	Trainings for Change Agents
Individual	<p>Primary school children</p> <p>Children not in school</p>	<p>Learn about kichocho</p> <p>Perceive threat/severity</p> <p>Understand the blood fluke</p> <p>Understand long-term health consequences</p> <p>Swallow MDA tablets</p> <p>Urinate in toilet/bush</p> <p>Wash laundry with tap water or not standing in the river</p> <p>Increase personal health seeking behaviors for kichocho</p> <p>Find alternatives to going into contaminated water for chores</p>	<p>Knowledge (HBM)</p> <p>Perceived threat (HBM)</p> <p>Perceived severity (HBM)</p> <p>Positive reinforcement (AI/SCT)</p> <p>Access to materials (HBM)</p> <p>Skills building (SCT)</p> <p>Self-efficacy (HBM/SCT)</p> <p>Behavioural capability (SCT)</p> <p>Outcome expectancies (SCT)</p> <p>Access to laundry platforms and other structural interventions</p> <p>Access to MDA</p>	<p>NTD team school visits</p> <p>Kichocho Day school wide events</p> <p>Disease lectures</p> <p>Demonstrations</p> <p>Interactive kichocho prevention activities and games</p> <p>Role modeling</p> <p>Participate in Kichocho Day-school wide event</p> <p>Positive support/no scolding</p>	<p>NTD Team Trained school teachers</p> <p>Trained Madrassa teachers</p>	<p>Science-based disease (dispel myths)</p> <p>Science-based behavior change</p> <p>Science-based communication</p> <p>MDA talk</p> <p>Demonstrations</p> <p>Interactive activities</p> <p>Blood Fluke</p>
Interpers.	<p>Social networks of school children and children not in school (Peers, siblings, other family members, parents)</p>	<p>Learn about kichocho</p> <p>Perceive threat/severity</p> <p>Understand the blood fluke</p> <p>Understand long-term health consequences</p> <p>Swallow MDA tablets</p> <p>Urinate in toilet/bush</p> <p>Wash laundry with tap water or not standing in the river</p> <p>Increase personal health seeking behaviors for kichocho Encourage peers to swallow MDA tablets</p> <p>Engage other friends and family members about kichocho</p> <p>Participate in local school and Madrassa events</p> <p>Encourage friends and family to find alternatives to going into contaminated water</p>	<p>Knowledge (HBM)</p> <p>Perceived threat (HBM)</p> <p>Perceived severity (HBM)</p> <p>Positive reinforcement (AI/SCT)</p> <p>Access to materials (HBM)</p> <p>Skills building (SCT)</p> <p>Self-efficacy (HBM/SCT)</p> <p>Behavioural capability (SCT)</p> <p>Outcome expectancies (SCT)</p> <p>Social Norms (SN)</p> <p>Access to laundry platforms and other structural interventions</p> <p>Access to MDA</p>	<p>NTD team school visits</p> <p>Disease lectures</p> <p>Demonstrations</p> <p>Interactive kichocho prevention activities and games</p> <p>Role modeling</p> <p>Positive support no scolding</p> <p>Participate in Kichocho Day-school wide event</p>	<p>NTD team Trained school teachers</p> <p>Trained Madrassa teachers</p> <p>Trained students and student club members</p>	<p>Science-based disease (dispel myths)</p> <p>Science-based behavior change</p> <p>Science-based communication</p> <p>MDA talk</p> <p>Demonstrations</p> <p>Interactive activities</p> <p>Blood Fluke</p>

Organiz.	Children in school clubs Children out of school who attend Mosques and Madrassa	Learn about kichocho Perceive threat/severity Understand the blood fluke Understand long-term health consequences Increase personal health seeking behaviors for kichocho Swallow MDA tablets Urinate in toilet/bush Wash laundry with tap water or not standing in the river Encourage family and friends to swallow MDA tablets Engage other Mosque members about kichocho Encourage Mosque and other organization members to find alternatives to children going into contaminated water Participate in local school and Madrassa events	Knowledge (HBM) Perceived threat (HBM) Perceived severity (HBM) Access to materials (HBM) Skills building (SCT) Behavioural capability (SCT) Self-efficacy (HBM/SCT) Outcome expectancies (SCT) Social norms (SN) Access to laundry platforms and other structural interventions Access to MDA	NTD team organization visits Mosque meetings Small group clubs Disease lectures Demonstrations Interactive kichocho prevention activities and games Role modeling Positive support /no scolding Participate in Kichocho Day school-wide events	NTD team Trained parents and Children Trained School Committee members Trained members of parents' social networks Trained Madrassa teachers Trained children MDA DD	Science-based disease (dispel myths) Science-based behavior change Science-based communication MDA talk Demonstrations Interactive activities Blood Fluke
Comm.	Parents Mosque members Members of different organizations	Learn about kichocho Perceive threat/severity Understand the blood fluke Understand long-term consequences Increase health seeking behaviors for kichocho Swallow MDA tablets Urinate in toilet/bush Wash laundry with tap water or not standing in the river Encourage children and others to swallow MDA tablets Engage community member at large to find alternatives to going into contaminated water Participate in local school and Madrassa events	Knowledge (HBM) Perceived threat (HBM) Perceived severity (HBM) Access to materials (HBM) Skills building (SCT) Behavioural capability (SCT) Self-efficacy (HBM/SCT) Outcome expectancies (SCT) Social norms (SN) Access to laundry platforms and other structural interventions Access to MDA	NTD team community visits (small groups) Mosque meetings Disease lectures Demonstrations Interactive kichocho prevention activities and games Role modeling Positive support /no scolding Participate in Kichocho Day school-wide events	NTD team Trained parents and children Trained members of parents' social networks Trained Mosque members Trained members of organizations Trained Schoolteachers MDA DD	Science-based disease (dispel myths) Science-based behavior change Science-based communication MDA talk Demonstrations Interactive activities Blood Fluke