



# Which policies are needed for zoonotic schistosomiasis in West Africa ?

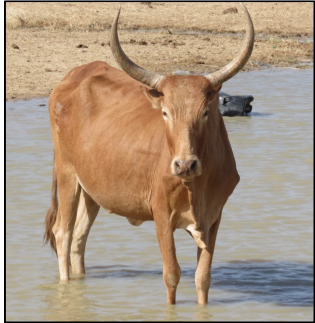
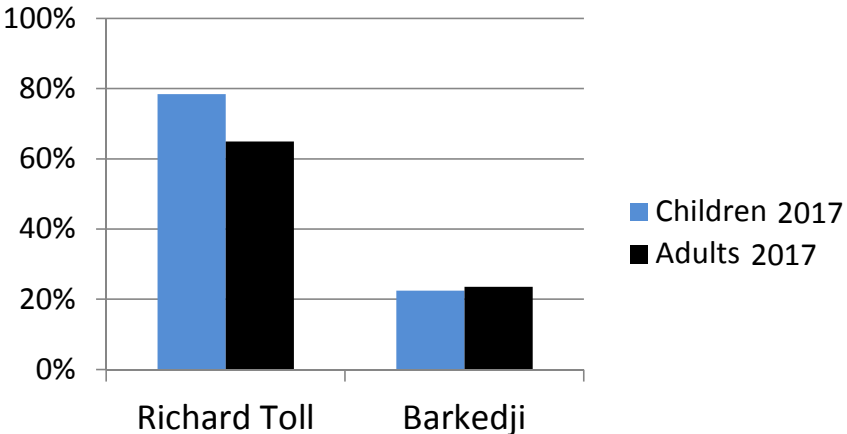
E. Léger, A. M. Borlase, C. B. Fall, A. A. Hamidou, S. Catalano, D. Rollinson, A. Emery, M. Sène, N. D. Diouf, A. Garba & J. P. Webster

LCNTDR Anniversary Event - 31st Jan 2018



# Schistosomiasis in West Africa

## Urogenital schistosomiasis prevalence in Senegal



68% ⊕



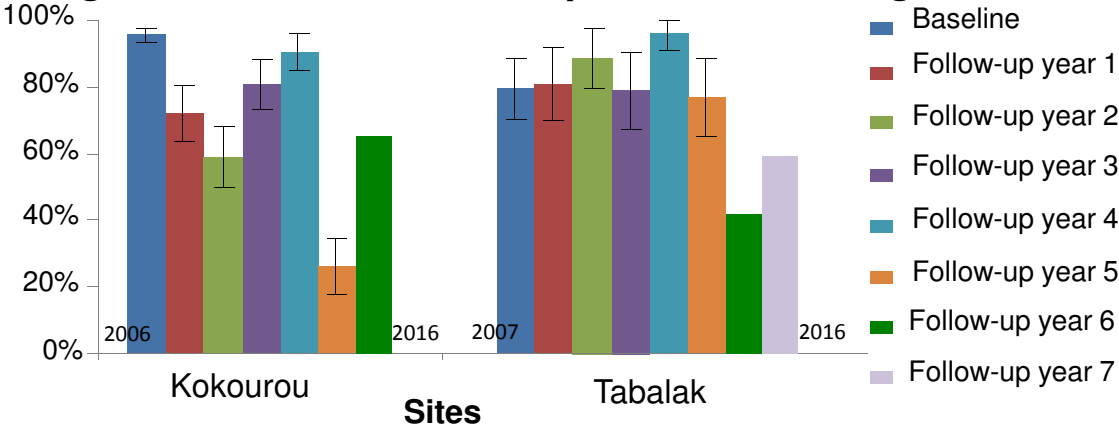
in Senegal

19% ⊕



33% ⊕

## Urogenital schistosomiasis prevalence in Niger



60% to 100% of the children and adults are infected with zoonotic hybrid schistosomes

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# Main observations and issues raised

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- High prevalence in children and adults
  - Adults were usually not included in previous studies and therefore not treated
- In some areas in Senegal parents are refusing that treatment is given to their children
  - Areas with important morbidity (new ultrasonography survey)
- High prevalence in livestock – has been pretty much ignored
  - Livestock morbidity and mortality can be considerable - greater impact of schistosomiasis in animals than previously thought
  - Donated praziquantel treatments originally intended for human use are misappropriated and used in livestock, raising the threat of praziquantel resistance emergence
- High prevalence of zoonotic schistosomiasis in humans (and snail intermediate hosts)
- Animal schistosomes infecting humans

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# One Health Framework



A One Health multi-host framework would better tailor schistosomiasis control strategies, enhancing public health interventions

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Zoonoses &  
Emerging Livestock Systems



**RISEAL**  
Niger

