Which policies are needed for zoonotic schistosomiasis in West Africa?


LCNTDR Anniversary Event - 31st Jan 2018
Schistosomiasis in West Africa

Urogenital schistosomiasis prevalence in Senegal

Richard Toll
Adults 2017

Barkedji

Children 2017

Urogenital schistosomiasis prevalence in Niger

Kokourou 2007 2016

Sites

Tabalak

Sites

Baseline
Follow-up year 1
Follow-up year 2
Follow-up year 3
Follow-up year 4
Follow-up year 5
Follow-up year 6
Follow-up year 7

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

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Main observations and issues raised

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

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