Children invited for participation from grades 4-6 from primary schools Grand Moutcho II and III
n=204
(115 boys, 89 girls, aged 7-15 years)

Children with written informed consent and present in cross-sectional survey
n=200 (114 boys, 86 girls)

Children with written informed consent and complete questionnaire data
n=178 (102 boys, 76 girls)

Children with written informed consent, complete questionnaire, parasitological and clinical data
Sample 1
n=167 (97 boys, 70 girls)

Children with written informed consent, complete questionnaire, parasitological and clinical data and considered capable to complete the physical fitness test
n=143 (83 boys, 60 girls)

Children excluded after parasitological and clinical examination because of dyspnea (n=12), clinical malaria (n=9), anemia (n=2) or asthma (n=1)

n=24 (14 boys, 10 girls)

Children without signed written informed consent sheet from parents or legal guardians
n=4 (1 boy, 3 girls)

Children without complete questionnaire data
n=22 (12 boys, 10 girls)

Children without complete parasitological and clinical data
n=11 (5 boys, 6 girls)

Children without valid results of the completed physical fitness test because of too low maximum heart rate (<180 beats per min)

n=6 (4 boys, 2 girls)