

**Supplementary information: CONSORT trial summary**

<b>Allocation</b>	<p><b>Cluster-based controlled before and after study</b></p> <p>Inclusion criteria for control clusters: use of current shared facilities, poor sanitation conditions, presence of child aged 29 days to 48 months, and location in Water and Sanitation for the Urban Poor (WSUP) implementation area in semi-formal settlement or similar area in urban Maputo</p>	
<b>Recruitment and baseline</b>	<p><b>INTERVENTION</b></p> <p>Receiving shared, on-site sanitation interventions, with sites identified by specific WSUP criteria</p> <p>n = 380 children (29 days– 48 months)</p> <p>Measuring: Socio-economic and demographic characteristics, localized population density, WASH access and characteristics, microbial exposures, all outcome measures</p>	<p><b>CONTROL</b></p> <p>NOT receiving sanitation interventions, stratified sampling by cluster size and intervention timing</p> <p>n = 380 children (29 days– 48 months)</p> <p>Measuring: Socio-economic and demographic characteristics, localized population density, WASH access and characteristics, microbial exposures, all outcome measures</p>
<b>Interventions</b>	<p>Construction of shared private latrines, interventions delivered and functional just after enrolment</p> <p>All household members dewormed</p>	<p>No substantive change in sanitation conditions</p> <p>All household members dewormed</p>
<b>Endline</b>	<p>WASH access and characteristics, microbial exposures, all outcome measures</p>	<p>WASH access and characteristics, microbial exposures, all outcome measures</p>
<b>Analysis</b>	<p>Stratified health impact estimates and exposure metrics by density: <i>comparing low vs. high</i> Transmission modeling</p>	