Table S2. Detailed baseline characteristics

| Characteristic | 9- to 12-year old children | 1st year students | 20- to 55-year old adults |
|----------------|-----------------------------|-------------------|--------------------------|
| **Schools/Shehias -- no.*** | Pemba | 45 | 45 | 45 |
| | Unguja | 43 | 43 | 44 |
| **Total participants -- no.** | Pemba | 4082 | 3593 | 1867 |
| | Unguja | 4196 | 3343 | 2148 |
| **Age -- yr. (SD)** | Pemba | 10.64 | 0.97 | 7.67 | 0.87 | 34.14 | 10.18 |
| | Unguja | 10.42 | 0.99 | 7.82 | 0.76 | 34.01 | 10.65 |
| **Sex -- no.** | Pemba | Women | 2236 | 1899 | 1242 |
| | Men | 1846 | 1694 | 622 |
| | Unguja | Women | 2204 | 1699 | 1630 |
| | Men | 1992 | 1644 | 518 |
| **Participants with outcome data -- no.** | Pemba | 4017 | 3543 | 1865 |
| | Unguja | 4137 | 3270 | 2109 |
| **S. haematobium infection** |  |  |  |  |  |  |  |
| Individuals infected -- no./No. (%) | MDA-only | 120/2853 | 4.21 | 162/2325 | 6.97 | 38/1337 | 2.84 |
| | Snail control | 209/2688 | 7.78 | 226/2276 | 9.93 | 58/1330 | 4.36 |
| | Behavior change | 167/2613 | 6.39 | 213/2212 | 9.63 | 59/1307 | 4.51 |
| | Pemba | 328/4017 | 8.17 | 432/3543 | 12.19 | 102/1865 | 5.47 |
| | Unguja | 168/4137 | 4.06 | 169/3270 | 5.17 | 53/2109 | 2.51 |
| **Arithmetic mean no. of eggs/10 ml of urine** | Pemba | 8.16 | 13.2 | 1.02 |
| | Unguja | 1.07 | 2.96 | 0.37 |
| **Infection intensity — no./No (%)*** | Pemba | Negative | 3678/4004 | 91.86 | 3101/3533 | 87.77 | 1759/1861 | 94.52 |
| | Light | 219/4004 | 5.47 | 263/3533 | 7.44 | 95/1861 | 5.1 |
| | Heavy | 107/4004 | 2.67 | 169/3533 | 4.78 | 7/1861 | 0.38 |
| | Unguja | Negative | 3907/4069 | 96.02 | 3024/3190 | 94.8 | 2035/2088 | 97.46 |
| | Light | 143/4069 | 3.51 | 134/3190 | 4.2 | 49/2088 | 2.35 |
| | Heavy | 19/4069 | 0.47 | 32/3190 | 1 | 4/2088 | 0.19 |
| **Microhaematuria intensity — no./No (%)** | Pemba | Negative | 3572/4017 | 88.92 | 3014/3543 | 85.07 | 1598/1864 | 85.73 |
| | Trace | 134/4017 | 3.34 | 157/3543 | 4.43 | 84/1864 | 4.51 |
| | (+) | 105/4017 | 2.61 | 78/3543 | 2.2 | 86/1864 | 4.61 |
| | (++) | 110/4017 | 2.74 | 167/3543 | 4.71 | 67/1864 | 3.59 |
| | (+++) | 96/4017 | 2.39 | 127/3543 | 3.58 | 29/1864 | 1.56 |
| | Unguja | Negative | 3828/4129 | 92.71 | 3140/3256 | 96.44 | 1888/2108 | 89.56 |
| | Trace | Nov 29 | 0.27 | Mrz 56 | 0.09 | 49/2108 | 2.32 |
| | (+) | 93/4129 | 2.25 | 23/3256 | 0.71 | 52/2108 | 2.47 |
| | (++) | 92/4129 | 2.23 | 38/3256 | 1.17 | 52/2108 | 2.47 |
| | (+++) | 105/4129 | 2.54 | 52/3256 | 1.6 | 67/2108 | 3.18 |

* 2 schools and one shehia were not surveyed in Unguja at baseline
** S. haematobium -positive is defined as urine filtration egg-positive or, in the absence of a urine filtration result, as haematuria-positive (trace, +, ++, +++).
*** The intensity of S. haematobium infection was categorized as negative (0 eggs per 10 ml of urine), light (1 to 49 eggs per 10 ml of urine), or heavy (≥50 eggs per 10 ml of urine)
