

Table S9: Fecal egg count reduction, combined vs. individual WSH interventions

| Arm | N | Geo-mean | Geometric FECR ^a | | IPCW ^c | Arithmetic FECR ^a | | IPCW ^c |
|------------------|-----|----------|-----------------------------|-----------------------|----------------------|------------------------------|-----------------------|---------------------|
| | | | Unadjusted | Adjusted ^b | | Unadjusted | Adjusted ^c | |
| Ascaris | | | | | | | | |
| WSH | 941 | 4.4 | | | | | | |
| Water | 971 | 5.0 | -0.10 (-0.36, 0.17) | -0.14 (-0.39, 0.11) | -0.13 (-0.38, 0.12) | 0.06 (-0.69, 0.81) | -0.00 (-0.74, 0.74) | 0.01 (-0.75, 0.78) |
| Sanitation | 972 | 4.8 | -0.06 (-0.34, 0.21) | -0.06 (-0.33, 0.21) | -0.07 (-0.33, 0.19) | 0.17 (-0.69, 1.04) | 0.10 (-0.73, 0.93) | 0.12 (-0.83, 1.08) |
| Handwashing | 977 | 7.6 | -0.37 (-0.57, -0.18) | -0.38 (-0.57, -0.20) | -0.39 (-0.57, -0.21) | -0.43 (-0.88, 0.03) | -0.43 (-0.90, 0.03) | -0.43 (-0.86, 0.00) |
| Hookworm | | | | | | | | |
| WSH | 941 | 0.4 | | | | | | |
| Water | 971 | 0.4 | 0.02 (-0.12, 0.16) | 0.00 (-0.13, 0.14) | 0.01 (-0.13, 0.16) | 0.60 (-0.57, 1.78) | 0.54 (-0.61, 1.69) | 0.59 (-0.69, 1.87) |
| Sanitation | 972 | 0.4 | -0.02 (-0.17, 0.14) | -0.02 (-0.17, 0.12) | -0.03 (-0.18, 0.12) | 0.03 (-0.93, 1.00) | -0.01 (-0.94, 0.91) | 0.00 (-0.97, 0.97) |
| Handwashing | 977 | 0.5 | -0.07 (-0.20, 0.06) | -0.09 (-0.22, 0.04) | -0.07 (-0.21, 0.06) | 0.08 (-0.73, 0.89) | 0.02 (-0.79, 0.82) | 0.04 (-0.79, 0.86) |
| Trichuris | | | | | | | | |
| WSH | 941 | 0.4 | | | | | | |
| Water | 971 | 0.4 | -0.03 (-0.17, 0.12) | -0.04 (-0.18, 0.10) | -0.04 (-0.18, 0.10) | 0.41 (-0.99, 1.82) | 0.42 (-0.98, 1.83) | 0.41 (-0.95, 1.77) |
| Sanitation | 972 | 0.3 | 0.08 (-0.09, 0.24) | 0.07 (-0.09, 0.24) | 0.07 (-0.09, 0.24) | 1.32 (-1.30, 3.93) | 1.38 (-1.27, 4.02) | 1.35 (-1.58, 4.28) |
| Handwashing | 977 | 0.3 | 0.06 (-0.12, 0.24) | 0.07 (-0.10, 0.25) | 0.07 (-0.09, 0.23) | 2.24 (-1.29, 5.77) | 2.46 (-1.31, 6.23) | 2.44 (-0.91, 5.78) |

^a Faecal egg count reduction (FECR) defined as egg ratio (ER) - 1, where ER is the ratio of mean eggs per gram between arms.

^b Adjustment covariates considered include ID of the lab staff member who performed the Kato-Katz analysis, month of measurement, child age, sex and birthorder, mother's age, height and education, household food insecurity, number of children <18 years in household, number of individuals in compound, distance to the household's drinking water source, housing materials and assets. The adjusted model for each outcome includes covariates associated with the outcome at p<0.2 level in bivariate analysis.

^c Inverse probability of censoring weighting. Adjustment covariates considered include the variables above except for ID of the lab staff member who performed the Kato-Katz analysis, month of measurement, child age, sex and birth order since this information is not available for individuals lost to follow-up. An indicator variable distinguishing index vs. non-index child status was included as a proxy for age.