**S1 Table. Primary behavioral outcomes for community children based on the presence of malaria by PCR on enrollment**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Unadjusted Estimates | | | Adjusted Estimates | | |
|  | N (obs.), N | Coefficient (95% CI) | *P* | N (obs.), N | Coefficient (95% CI) | *P* |
| Children aged <6 years |  |  |  |  |  |  |
| Socio-emotional functiona | | | | | | |
| Internalizing behavior | 511, 148 | 0.35 (0.10, 0.60) | 0.006 | 510, 147 | 0.04 (-0.20, 0.28) | 0.76 |
| Externalizing behavior | 511, 148 | 0.21 (-0.11, 0.52) | 0.20 | 510, 147 | 0.06 (-0.27, 0.39) | 0.71 |
| Executive functionb | | | | | | |
| Global Executive Composite | 344, 119 | 0.41 (-0.06, 0.88) | 0.08 | 273, 118 | 0.10 (-0.37, 0.56) | 0.68 |
| Emergent Metacognition Index | 344, 119 | 0.26 (-0.20, 0.71) | 0.27 | 273, 118 | -0.02 (-0.51, 0.48) | 0.95 |
| Flexibility Index | 344, 119 | 0.36 (-0.07, 0.78) | 0.10 | 273, 118 | -0.02 (-0.42, 0.37) | 0.90 |
| Inhibitory Self-Control Index | 344, 119 | 0.50 (0.003, 0.99) | 0.05 | 273, 118 | 0.20 (-0.29, 0.68) | 0.43 |
| Children aged ≥6 years |  |  |  |  |  |  |
| Socio-emotional functiona | | | | | | |
| Internalizing behavior | 137, 63 | 0.28 (-0.13, 0.69) | 0.18 | 137, 63 | 0.21 (-0.10, 0.52) | 0.18 |
| Externalizing behavior | 137, 63 | 0.20 (-0.27, 0.68) | 0.40 | 137, 63 | -0.13 (-0.62, 0.36) | 0.60 |
| Executive functionb | | | | | | |
| Global Executive Composite | 87, 60 | 0.30 (-0.14, 0.74) | 0.18 | 87, 60 | -0.08 (-0.54, 0.37) | 0.72 |
| Emergent Metacognition Index | 87, 60 | 0.23 (-0.16, 0.62) | 0.24 | 87, 60 | -0.17 (-0.57, 0.23) | 0.40 |
| Behavior Regulation Index | 87, 60 | 0.31 (-0.21, 0.83) | 0.23 | 87, 60 | 0.07 (-0.52, 0.65) | 0.82 |

**Abbreviations:** CI, confidence interval; P, P-value; N (obs.), number of observations in the model; N, the number of children in the analysis.

aAssessed using the Child Behavior Checklist (CBCL)

bAssessed using the Behavior Rating Inventory of Executive Function (BRIEF)

All linear mixed models were fitted with a subject specific random intercept and a caretaker random effect (for children <6 years of age) and visit as a categorical variable (baseline, 6 months, 12 months, 24 months). Adjusted models included age, sex, height-for-age, weight-for-age, socioeconomic status, home environment, maternal education, preschool exposure, year of enrollment and test administrator as fixed effects.