## Table S1

|  |  |  |  | Outcome, 75th Percentile v. 25th Percentile | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | Unadjusted | | | | Fully adjusteda | | | | |
| Urinary oxidative stress biomarker | Outcome | 25th Percentile | 75th Percentile | Predicted Outcome at 25th Percentile | Predicted Outcome at 75th Percentile | Coefficient (95% CI) | P-valueb | Predicted Outcome at 25th Percentile | Predicted Outcome at 75th Percentile | Coefficient (95% CI) | P-valueb |
| IPF(2a)-III | WAZ Year 1 | -0.73 | -0.09 | -1.08 | -1.25 | -0.17 (-0.26, -0.08) | 0 | -1.4 | -1.38 | 0.02 (-0.06, 0.1) | 0.67 |
|  | WLZ Year 1 | -0.73 | -0.09 | -0.69 | -0.84 | -0.15 (-0.23, -0.06) | 0 | -0.88 | -0.87 | 0.01 (-0.04, 0.07) | 0.64 |
|  | HCZ Year 1 | -0.73 | -0.09 | -1.74 | -1.75 | -0.01 (-0.09, 0.07) | 0.96 | -1.8 | -1.72 | 0.09 (-0.01, 0.18) | 0.2 |
|  | WAZ Year 2 | -0.73 | -0.08 | -1.43 | -1.52 | -0.08 (-0.17, 0) | 0.16 | -1.81 | -1.76 | 0.04 (-0.01, 0.09) | 0.43 |
|  | WLZ Year 2 | -0.73 | -0.09 | -0.98 | -1.01 | -0.04 (-0.12, 0.04) | 0.73 | -0.83 | -0.75 | 0.07 (0.02, 0.13) | 0.11 |
|  | HCZ Year 2 | -0.73 | -0.09 | -1.83 | -1.78 | 0.05 (-0.03, 0.14) | 1 | -1.75 | -1.65 | 0.1 (0.03, 0.18) | 0.11 |
|  | Weight velocity (kg/month) Year 1 to Year 2 | -0.73 | -0.08 | 0.15 | 0.15 | 0 (0, 0.01) | 0.07 | 0.14 | 0.15 | 0 (0, 0.01) | 0.05 |
|  | Head circumference velocity (cm/month) Year 1 to Year 2 | -0.73 | -0.09 | 0.14 | 0.15 | 0 (0, 0.01) | 0.12 | 0.13 | 0.14 | 0 (0, 0.01) | 0.24 |
|  | Change in child WAZ from Year 1 to Year 2 | -0.73 | -0.08 | -0.32 | -0.22 | 0.09 (0.05, 0.14) | 0 | -0.23 | -0.18 | 0.06 (0.01, 0.1) | 0.05 |
|  | Change in WLZ from Year 1 to Year 2 | -0.73 | -0.09 | -0.34 | -0.23 | 0.11 (0.05, 0.17) | 0 | -0.16 | -0.09 | 0.07 (0.02, 0.13) | 0.04 |
|  | Change in HCZ from Year 1 to Year 2 | -0.73 | -0.09 | -0.07 | -0.02 | 0.04 (-0.01, 0.09) | 0.09 | -0.24 | -0.2 | 0.04 (-0.01, 0.09) | 0.13 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2,3-dinor-iPF(2a)-III | WAZ Year 1 | 1.55 | 1.97 | -1.1 | -1.29 | -0.19 (-0.29, -0.09) | 0 | -1.39 | -1.4 | -0.01 (-0.04, 0.03) | 0.67 |
|  | WLZ Year 1 | 1.55 | 1.97 | -0.73 | -0.8 | -0.07 (-0.17, 0.02) | 0.18 | -0.88 | -0.89 | -0.01 (-0.03, 0.02) | 0.64 |
|  | HCZ Year 1 | 1.55 | 1.97 | -1.7 | -1.8 | -0.09 (-0.19, 0) | 0.2 | -1.79 | -1.78 | 0.01 (-0.08, 0.1) | 0.85 |
|  | WAZ Year 2 | 1.54 | 1.97 | -1.44 | -1.54 | -0.09 (-0.2, 0.01) | 0.17 | -1.8 | -1.78 | 0.02 (-0.04, 0.08) | 0.79 |
|  | WLZ Year 2 | 1.54 | 1.97 | -1.04 | -1.06 | -0.03 (-0.24, 0.19) | 1 | -0.79 | -0.75 | 0.04 (-0.07, 0.15) | 0.59 |
|  | HCZ Year 2 | 1.54 | 1.97 | -1.8 | -1.8 | 0 (-0.09, 0.1) | 1 | -1.72 | -1.66 | 0.06 (-0.03, 0.15) | 0.35 |
|  | Weight velocity (kg/month) Year 1 to Year 2 | 1.54 | 1.97 | 0.15 | 0.15 | 0 (0, 0.01) | 0.47 | 0.14 | 0.15 | 0 (0, 0.01) | 0.12 |
|  | Head circumference velocity (cm/month) Year 1 to Year 2 | 1.54 | 1.97 | 0.14 | 0.15 | 0.01 (0, 0.02) | 0.01 | 0.13 | 0.14 | 0.01 (0, 0.01) | 0.24 |
|  | Change in child WAZ from Year 1 to Year 2 | 1.54 | 1.97 | -0.29 | -0.25 | 0.05 (-0.05, 0.14) | 0.33 | -0.25 | -0.22 | 0.02 (-0.07, 0.11) | 0.66 |
|  | Change in WLZ from Year 1 to Year 2 | 1.54 | 1.97 | -0.3 | -0.27 | 0.03 (-0.08, 0.15) | 0.57 | -0.13 | -0.1 | 0.03 (-0.08, 0.14) | 0.72 |
|  | Change in HCZ from Year 1 to Year 2 | 1.54 | 1.97 | -0.08 | -0.01 | 0.07 (0.02, 0.13) | 0.02 | -0.26 | -0.19 | 0.07 (0.01, 0.12) | 0.06 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| iPF(2a)-VI | WAZ Year 1 | 2.31 | 2.87 | -1.1 | -1.28 | -0.17 (-0.27, -0.07) | 0 | -1.4 | -1.37 | 0.02 (-0.02, 0.06) | 0.57 |
|  | WLZ Year 1 | 2.31 | 2.87 | -0.72 | -0.84 | -0.12 (-0.22, -0.03) | 0.01 | -0.88 | -0.87 | 0.01 (-0.02, 0.04) | 0.64 |
|  | HCZ Year 1 | 2.3 | 2.87 | -1.73 | -1.74 | -0.01 (-0.12, 0.1) | 0.96 | -1.8 | -1.72 | 0.08 (-0.02, 0.19) | 0.2 |
|  | WAZ Year 2 | 2.3 | 2.86 | -1.44 | -1.53 | -0.09 (-0.18, 0) | 0.16 | -1.81 | -1.76 | 0.04 (-0.01, 0.1) | 0.43 |
|  | WLZ Year 2 | 2.3 | 2.86 | -0.98 | -1.01 | -0.03 (-0.12, 0.06) | 0.73 | -0.81 | -0.76 | 0.05 (-0.01, 0.11) | 0.23 |
|  | HCZ Year 2 | 2.3 | 2.86 | -1.81 | -1.8 | 0.02 (-0.07, 0.11) | 1 | -1.72 | -1.65 | 0.08 (-0.01, 0.16) | 0.33 |
|  | Weight velocity (kg/month) Year 1 to Year 2 | 2.3 | 2.86 | 0.15 | 0.15 | 0 (0, 0.01) | 0.1 | 0.15 | 0.15 | 0 (0, 0.01) | 0.06 |
|  | Head circumference velocity (cm/month) Year 1 to Year 2 | 2.3 | 2.86 | 0.14 | 0.15 | 0.01 (0, 0.02) | 0.12 | 0.13 | 0.13 | 0 (-0.01, 0.01) | 0.49 |
|  | Change in child WAZ from Year 1 to Year 2 | 2.3 | 2.86 | -0.3 | -0.22 | 0.08 (0.03, 0.12) | 0 | -0.24 | -0.2 | 0.04 (0, 0.09) | 0.13 |
|  | Change in WLZ from Year 1 to Year 2 | 2.3 | 2.86 | -0.32 | -0.23 | 0.08 (0.02, 0.15) | 0.03 | -0.15 | -0.11 | 0.05 (-0.01, 0.11) | 0.3 |
|  | Change in HCZ from Year 1 to Year 2 | 2.3 | 2.87 | -0.14 | 0.01 | 0.14 (0.03, 0.25) | 0.02 | -0.26 | -0.16 | 0.1 (0.01, 0.2) | 0.06 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 8,12-iso-iPF(2a)-VI | WAZ Year 1 | 2.16 | 2.91 | -1.22 | -1.15 | 0.07 (-0.15, 0.28) | 0.55 | -1.4 | -1.37 | 0.03 (-0.01, 0.07) | 0.54 |
|  | WLZ Year 1 | 2.16 | 2.91 | -0.75 | -0.78 | -0.03 (-0.2, 0.14) | 0.73 | -0.88 | -0.87 | 0.01 (-0.01, 0.04) | 0.64 |
|  | HCZ Year 1 | 2.16 | 2.91 | -1.72 | -1.7 | 0.02 (-0.12, 0.16) | 0.96 | -1.8 | -1.73 | 0.07 (-0.04, 0.17) | 0.28 |
|  | WAZ Year 2 | 2.16 | 2.9 | -1.45 | -1.52 | -0.06 (-0.21, 0.08) | 0.49 | -1.8 | -1.78 | 0.02 (-0.04, 0.08) | 0.79 |
|  | WLZ Year 2 | 2.17 | 2.9 | -0.98 | -1.01 | -0.04 (-0.14, 0.07) | 0.73 | -0.81 | -0.77 | 0.04 (-0.02, 0.11) | 0.4 |
|  | HCZ Year 2 | 2.17 | 2.9 | -1.81 | -1.78 | 0.04 (-0.09, 0.17) | 1 | -1.71 | -1.65 | 0.06 (-0.03, 0.15) | 0.35 |
|  | Weight velocity (kg/month) Year 1 to Year 2 | 2.16 | 2.9 | 0.15 | 0.15 | 0 (0, 0.01) | 0.34 | 0.15 | 0.15 | 0 (0, 0.01) | 0.22 |
|  | Head circumference velocity (cm/month) Year 1 to Year 2 | 2.17 | 2.9 | 0.14 | 0.15 | 0.01 (0, 0.02) | 0.1 | 0.13 | 0.14 | 0.01 (0, 0.01) | 0.24 |
|  | Change in child WAZ from Year 1 to Year 2 | 2.16 | 2.9 | -0.3 | -0.23 | 0.07 (0.01, 0.13) | 0.02 | -0.24 | -0.21 | 0.03 (-0.02, 0.08) | 0.32 |
|  | Change in WLZ from Year 1 to Year 2 | 2.17 | 2.9 | -0.32 | -0.23 | 0.08 (0.01, 0.15) | 0.04 | -0.15 | -0.12 | 0.04 (-0.03, 0.1) | 0.44 |
|  | Change in HCZ from Year 1 to Year 2 | 2.17 | 2.9 | -0.1 | -0.02 | 0.08 (0, 0.17) | 0.06 | -0.27 | -0.2 | 0.07 (0, 0.14) | 0.08 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Combined urinary oxidative stress biommarkers | WAZ Year 1 | 2.48 | 3.53 | -1.09 | -1.27 | -0.18 (-0.33, -0.03) | 0.02 | -1.4 | -1.38 | 0.02 (-0.02, 0.06) | 0.57 |
|  | WLZ Year 1 | 2.48 | 3.53 | -0.7 | -0.86 | -0.16 (-0.26, -0.07) | 0 | -0.88 | -0.87 | 0.01 (-0.02, 0.03) | 0.64 |
|  | HCZ Year 1 | 2.47 | 3.53 | -1.72 | -1.72 | 0 (-0.12, 0.12) | 0.96 | -1.8 | -1.71 | 0.09 (-0.02, 0.2) | 0.2 |
|  | WAZ Year 2 | 2.48 | 3.52 | -1.43 | -1.55 | -0.12 (-0.22, -0.03) | 0.05 | -1.73 | -1.81 | -0.08 (-0.21, 0.05) | 0.56 |
|  | WLZ Year 2 | 2.48 | 3.52 | -0.98 | -1.02 | -0.04 (-0.13, 0.05) | 0.73 | -0.77 | -0.75 | 0.02 (-0.14, 0.18) | 0.85 |
|  | HCZ Year 2 | 2.47 | 3.52 | -1.82 | -1.79 | 0.03 (-0.07, 0.12) | 1 | -1.75 | -1.65 | 0.1 (0.01, 0.19) | 0.15 |
|  | Weight velocity (kg/month) Year 1 to Year 2 | 2.48 | 3.52 | 0.15 | 0.15 | 0 (-0.01, 0.01) | 0.94 | 0.14 | 0.15 | 0.01 (0, 0.01) | 0.05 |
|  | Head circumference velocity (cm/month) Year 1 to Year 2 | 2.48 | 3.52 | 0.14 | 0.15 | 0.01 (0, 0.02) | 0.05 | 0.13 | 0.14 | 0.01 (0, 0.01) | 0.24 |
|  | Change in child WAZ from Year 1 to Year 2 | 2.48 | 3.52 | -0.31 | -0.21 | 0.1 (0.05, 0.15) | 0 | -0.25 | -0.19 | 0.06 (0.01, 0.1) | 0.06 |
|  | Change in WLZ from Year 1 to Year 2 | 2.48 | 3.52 | -0.29 | -0.21 | 0.08 (-0.1, 0.26) | 0.47 | -0.11 | -0.1 | 0.01 (-0.15, 0.17) | 0.91 |
|  | Change in HCZ from Year 1 to Year 2 | 2.47 | 3.52 | -0.15 | 0.01 | 0.15 (0.02, 0.29) | 0.04 | -0.26 | -0.2 | 0.06 (0, 0.12) | 0.06 |

aAdjusted for pre-specified covariates: Child age, child sex, birth order, prior child length and weight measurements from Year 1,season of measurement, time between anthropometry measurements (included in growth velocity and change in growth measurements between Year 1 and Year 2 outcomes only),caregiver-reported diarrhea, mother’s age, mother’s height, mother’s education level, mother’s Center for Epidemiologic Studies Depression Scale Revised (CESD-R) score, mother’s Perceived Stress Scale score, mother’s lifetime exposure to physical, sexual, and emotional intimate partner violence, household food insecurity, number of children <18 years in the household, number of individuals living in the compound, distance in minutes to the primary water source, household floor materials, household wall materials, household electricity, and household assets (wardrobe, table, chair, clock, khat, chouki, radio, television, refrigerator, bicycle, motorcycle, sewing machine, mobile phone, cattle, goats, and chickens), and treatment arm (control or N+WSH).

bP-values were adjusted using the Benjamini-Hochberg procedure to control false discovery rate.

## Table S2

|  |  |  |  | Outcome, 75th Percentile v. 25th Percentile | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | Unadjusted | | | | Fully adjusteda | | | |
| Salivary stress biomarker | Outcome | 25th Percentile | 75th Percentile | Predicted Outcome at 25th Percentile | Predicted Outcome at 75th Percentile | Coefficient (95% CI) | P-valueb | Predicted Outcome at 25th Percentile | Predicted Outcome at 75th Percentile | Coefficient (95% CI) | P-valueb |
| Pre to post-stress change in slope of cortisol | WAZ Year 2 | -0.01 | 0 | -1.51 | -1.44 | 0.07 (-0.02, 0.17) | 0.18 | -1.88 | -1.85 | 0.02 (-0.11, 0.15) | 0.93 |
|  | WLZ Year 2 | -0.01 | 0 | -1 | -0.91 | 0.1 (0, 0.19) | 0.24 | -1 | -0.93 | 0.07 (0.01, 0.12) | 0.12 |
|  | HCZ Year 2 | -0.01 | 0 | -1.76 | -1.86 | -0.1 (-0.26, 0.05) | 1 | -1.81 | -1.9 | -0.09 (-0.21, 0.04) | 0.35 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Cortisol residualized gain score | WAZ Year 2 | -0.21 | 0.14 | -1.44 | -1.52 | -0.08 (-0.18, 0.03) | 0.22 | -1.82 | -1.86 | -0.04 (-0.12, 0.03) | 0.56 |
|  | WLZ Year 2 | -0.21 | 0.14 | -0.91 | -1.01 | -0.1 (-0.2, 0.01) | 0.24 | -0.93 | -0.99 | -0.06 (-0.12, 0) | 0.16 |
|  | HCZ Year 2 | -0.21 | 0.14 | -1.86 | -1.76 | 0.09 (-0.06, 0.25) | 1 | -1.89 | -1.8 | 0.09 (-0.04, 0.22) | 0.35 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Pre to post-stress change in slope of sAA | WAZ Year 2 | -4.37 | 0.06 | -1.41 | -1.45 | -0.04 (-0.1, 0.01) | 0.18 | -1.76 | -1.77 | 0 (-0.04, 0.03) | 0.93 |
|  | WLZ Year 2 | -4.37 | 0.06 | -0.96 | -0.96 | 0 (0, 0) | 1 | -0.88 | -0.87 | 0.02 (-0.02, 0.05) | 0.59 |
|  | HCZ Year 2 | -4.38 | 0.07 | -1.79 | -1.8 | -0.01 (-0.1, 0.08) | 1 | -1.88 | -1.85 | 0.02 (-0.03, 0.07) | 0.5 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| sAA residualized gain score | WAZ Year 2 | -51.35 | 27.2 | -1.46 | -1.41 | 0.05 (-0.01, 0.11) | 0.18 | -1.78 | -1.78 | 0 (-0.03, 0.04) | 0.96 |
|  | WLZ Year 2 | -51.35 | 27.2 | -0.96 | -0.96 | 0 (0, 0) | 1 | -0.86 | -0.88 | -0.02 (-0.06, 0.02) | 0.49 |
|  | HCZ Year 2 | -51.38 | 27.52 | -1.79 | -1.78 | 0 (-0.06, 0.07) | 1 | -1.85 | -1.87 | -0.03 (-0.08, 0.02) | 0.43 |

aAdjusted for pre-specified covariates: Child age, child sex, birth order, prior child length and weight measurements from Year 1,season of measurement, time between anthropometry measurements (included in growth velocity and change in growth measurements between Year 1 and Year 2 outcomes only),caregiver-reported diarrhea, mother’s age, mother’s height, mother’s education level, mother’s Center for Epidemiologic Studies Depression Scale Revised (CESD-R) score, mother’s Perceived Stress Scale score, mother’s lifetime exposure to physical, sexual, and emotional intimate partner violence, household food insecurity, number of children <18 years in the household, number of individuals living in the compound, distance in minutes to the primary water source, household floor materials, household wall materials, household electricity, and household assets (wardrobe, table, chair, clock, khat, chouki, radio, television, refrigerator, bicycle, motorcycle, sewing machine, mobile phone, cattle, goats, and chickens), and treatment arm (control or N+WSH).

bP-values were adjusted using the Benjamini-Hochberg procedure to control false discovery rate.

## Table S3

|  |  |  |  | Outcome, 75th Percentile v. 25th Percentile | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | Unadjusted | | | | Fully adjusteda | | | |
| Resting SAM biomarker | Outcome | 25th Percentile | 75th Percentile | Predicted Outcome at 25th Percentile | Predicted Outcome at 75th Percentile | Coefficient (95% CI) | P-valueb | Predicted Outcome at 25th Percentile | Predicted Outcome at 75th Percentile | Coefficient (95% CI) | P-valueb |
| Mean arterial pressure | WAZ Year 2 | 60.89 | 68.89 | -1.48 | -1.31 | 0.17 (0.05, 0.3) | 0.05 | -1.78 | -1.74 | 0.04 (-0.01, 0.1) | 0.43 |
|  | WLZ Year 2 | 60.89 | 68.89 | -1.03 | -0.9 | 0.13 (0.04, 0.23) | 0.08 | -0.96 | -0.9 | 0.05 (-0.01, 0.11) | 0.23 |
|  | HCZ Year 2 | 60.89 | 68.89 | -1.77 | -1.73 | 0.04 (-0.07, 0.15) | 1 | -1.81 | -1.82 | -0.01 (-0.12, 0.09) | 0.88 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Mean resting heart rate | WAZ Year 2 | 98.67 | 118 | -1.34 | -1.54 | -0.2 (-0.35, -0.05) | 0.05 | -1.77 | -1.77 | -0.01 (-0.06, 0.05) | 0.93 |
|  | WLZ Year 2 | 98.5 | 118 | -0.88 | -1.03 | -0.15 (-0.31, 0.01) | 0.24 | -0.9 | -0.91 | 0 (-0.06, 0.05) | 0.91 |
|  | HCZ Year 2 | 98.42 | 118 | -1.79 | -1.78 | 0.01 (-0.07, 0.09) | 1 | -1.88 | -1.83 | 0.05 (-0.03, 0.13) | 0.41 |

aAdjusted for pre-specified covariates: Child age, child sex, birth order, prior child length and weight measurements from Year 1,season of measurement, time between anthropometry measurements (included in growth velocity and change in growth measurements between Year 1 and Year 2 outcomes only),caregiver-reported diarrhea, mother’s age, mother’s height, mother’s education level, mother’s Center for Epidemiologic Studies Depression Scale Revised (CESD-R) score, mother’s Perceived Stress Scale score, mother’s lifetime exposure to physical, sexual, and emotional intimate partner violence, household food insecurity, number of children <18 years in the household, number of individuals living in the compound, distance in minutes to the primary water source, household floor materials, household wall materials, household electricity, and household assets (wardrobe, table, chair, clock, khat, chouki, radio, television, refrigerator, bicycle, motorcycle, sewing machine, mobile phone, cattle, goats, and chickens), and treatment arm (control or N+WSH).

bP-values were adjusted using the Benjamini-Hochberg procedure to control false discovery rate.

## Table S4

|  |  |  |  | Outcome, 75th Percentile v. 25th Percentile | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | Unadjusted | | | | Fully adjusteda | | | |
| Methylation site | Outcome | 25th Percentile | 75th Percentile | Predicted Outcome at 25th Percentile | Predicted Outcome at 75th Percentile | Coefficient (95% CI) | P-valueb | Predicted Outcome at 25th Percentile | Predicted Outcome at 75th Percentile | Coefficient (95% CI) | P-valueb |
| Entire promoter region (39 assayed CpG sites) | WAZ Year 2 | 0.22 | 0.48 | -1.42 | -1.43 | -0.01 (-0.07, 0.05) | 0.85 | -1.77 | -1.76 | 0.01 (-0.03, 0.04) | 0.9 |
|  | WLZ Year 2 | 0.22 | 0.48 | -0.98 | -0.95 | 0.03 (-0.03, 0.08) | 0.73 | -0.94 | -0.92 | 0.02 (-0.02, 0.06) | 0.59 |
|  | HCZ Year 2 | 0.22 | 0.48 | -1.78 | -1.76 | 0.02 (-0.06, 0.1) | 1 | -1.82 | -1.82 | 0 (-0.08, 0.07) | 0.91 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| NGFI-A transcription factor binding site (CpG site #12) | WAZ Year 2 | -4.65 | -4.14 | -1.38 | -1.38 | 0 (-0.1, 0.11) | 0.99 | -1.86 | -1.66 | 0.2 (0, 0.4) | 0.43 |
|  | WLZ Year 2 | -4.65 | -4.14 | -0.96 | -0.96 | 0 (0, 0) | 1 | -0.96 | -0.92 | 0.05 (-0.08, 0.17) | 0.59 |
|  | HCZ Year 2 | -4.65 | -4.14 | -1.79 | -1.79 | 0 (0, 0) | 1 | -2.07 | -2.09 | -0.02 (-0.12, 0.08) | 0.87 |

aAdjusted for pre-specified covariates: Child age, child sex, birth order, prior child length and weight measurements from Year 1,season of measurement, time between anthropometry measurements (included in growth velocity and change in growth measurements between Year 1 and Year 2 outcomes only),caregiver-reported diarrhea, mother’s age, mother’s height, mother’s education level, mother’s Center for Epidemiologic Studies Depression Scale Revised (CESD-R) score, mother’s Perceived Stress Scale score, mother’s lifetime exposure to physical, sexual, and emotional intimate partner violence, household food insecurity, number of children <18 years in the household, number of individuals living in the compound, distance in minutes to the primary water source, household floor materials, household wall materials, household electricity, and household assets (wardrobe, table, chair, clock, khat, chouki, radio, television, refrigerator, bicycle, motorcycle, sewing machine, mobile phone, cattle, goats, and chickens), and treatment arm (control or N+WSH).

bP-values were adjusted using the Benjamini-Hochberg procedure to control false discovery rate.