## EMM Table: Effect modification of maternal estriol and child environmental enteric dysfunction by treatment arm

| Effect Modifier | Maternal Estriol | Outcome | N | Modifier value | Outcome, 75th Percentile v. 25th Percentile of Exposure | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | Adjusted | | | | |
|  |  |  |  |  | Coefficient (95% CI) | P-value | FDR Corrected P-value | Interaction P-value | FDR Corrected Interaction P-value |
| Arm | Ln Estriol (ng/mL) | Ln Lactulose 3 months (mmol/L) | 236 | Control | 0.06 (-0.14, 0.25) | 0.59 | 0.86 |  |  |
|  |  |  |  | Nutrition + WSH | -0.07 (-0.25, 0.11) | 0.48 | 0.81 | 0.13 | 0.71 |
|  |  | Ln Mannitol 3 months (mmol/L) | 442 | Control | -0.04 (-0.28, 0.2) | 0.74 | 0.91 |  |  |
|  |  |  |  | Nutrition + WSH | -0.1 (-0.3, 0.1) | 0.34 | 0.81 | 0.44 | 0.71 |
|  |  | Ln MPO Age 3 months (ng/mL) | 524 | Control | -0.03 (-0.27, 0.21) | 0.82 | 0.95 |  |  |
|  |  |  |  | Nutrition + WSH | 0.18 (-0.03, 0.38) | 0.09 | 0.72 | 0.1 | 0.71 |
|  |  | Ln A1AT Age 3 months(mg/g) | 237 | Control | 0.14 (-0.21, 0.49) | 0.44 | 0.81 |  |  |
|  |  |  |  | Nutrition + WSH | 0.19 (-0.12, 0.5) | 0.23 | 0.75 | 0.76 | 0.81 |
|  |  | Ln NEO Age 3 months (nmol/L) | 489 | Control | 0.13 (-0.05, 0.31) | 0.16 | 0.75 |  |  |
|  |  |  |  | Nutrition + WSH | 0.01 (-0.13, 0.14) | 0.90 | 0.96 | 0.38 | 0.71 |
|  |  | Ln Lactulose 14 months (mmol/L) | 527 | Control | -0.07 (-0.26, 0.11) | 0.44 | 0.81 |  |  |
|  |  |  |  | Nutrition + WSH | -0.06 (-0.2, 0.08) | 0.41 | 0.81 | 0.91 | 0.91 |
|  |  | Ln Mannitol 14 months (mmol/L) | 237 | Control | 0.15 (0.01, 0.28) | 0.04 | 0.65 |  |  |
|  |  |  |  | Nutrition + WSH | 0.12 (-0.01, 0.25) | 0.07 | 0.72 | 0.73 | 0.81 |
|  |  | Ln MPO Age 14 months (ng/mL) | 444 | Control | -0.09 (-0.24, 0.07) | 0.29 | 0.77 |  |  |
|  |  |  |  | Nutrition + WSH | -0.13 (-0.25, -0.01) | 0.04 | 0.65 | 0.56 | 0.71 |
|  |  | Ln A1AT Age 14 months(mg/g) | 528 | Control | -0.11 (-0.45, 0.23) | 0.53 | 0.81 |  |  |
|  |  |  |  | Nutrition + WSH | -0.07 (-0.39, 0.25) | 0.69 | 0.89 | 0.58 | 0.71 |
|  |  | Ln NEO Age 14 months (nmol/L) | 443 | Control | 0.12 (-0.06, 0.31) | 0.18 | 0.75 |  |  |
|  |  |  |  | Nutrition + WSH | -0.05 (-0.19, 0.1) | 0.53 | 0.81 | 0.12 | 0.71 |
|  |  | Ln REG1β Age 14 months (µg/mL) | 292 | Control | 0.07 (-0.12, 0.26) | 0.51 | 0.81 |  |  |
|  |  |  |  | Nutrition + WSH | 0 (-0.17, 0.17) | 1.00 | 1.00 | 0.5 | 0.71 |
|  |  | Ln Lactulose 28 months (mmol/L) | 474 | Control | -0.16 (-0.58, 0.25) | 0.45 | 0.81 |  |  |
|  |  |  |  | Nutrition + WSH | 0.1 (-0.3, 0.49) | 0.65 | 0.87 | 0.25 | 0.71 |
|  |  | Ln Mannitol 28 months (mmol/L) | 522 | Control | -0.03 (-0.25, 0.2) | 0.83 | 0.95 |  |  |
|  |  |  |  | Nutrition + WSH | 0.11 (-0.06, 0.28) | 0.21 | 0.75 | 0.2 | 0.71 |
|  |  | Ln MPO Age 28 months (ng/mL) | 292 | Control | 0.12 (-0.09, 0.34) | 0.25 | 0.75 |  |  |
|  |  |  |  | Nutrition + WSH | 0.11 (-0.08, 0.29) | 0.26 | 0.75 | 0.51 | 0.71 |
|  |  | Ln A1AT Age 28 months(mg/g) | 471 | Control | -0.14 (-0.37, 0.08) | 0.21 | 0.75 |  |  |
|  |  |  |  | Nutrition + WSH | -0.01 (-0.18, 0.15) | 0.89 | 0.96 | 0.28 | 0.71 |
|  |  | Ln NEO Age 28 months (nmol/L) | 522 | Control | -0.07 (-0.37, 0.22) | 0.64 | 0.87 |  |  |
|  |  |  |  | Nutrition + WSH | 0.01 (-0.26, 0.28) | 0.94 | 0.97 | 0.58 | 0.71 |