# additional file 4

**Mali-specific results**

*Table 1: Association of baseline variables with low MUAC-for-age in two cohorts in Mali. Number and proportion with z<-2 is shown together with odds ratios and p-values. Likelihood ratio test p-values are presented to indicate a global measure of association.*

|  |  |  |
| --- | --- | --- |
|  | **Low MUAC-for-age (2015)** | **Low MUAC-for-age (2016)** |
|  | **Number (%)** | **Odds ratio** | **P-value** | **Number (%)** | **Odds ratio** | **P-value** |
| **Sex**BoyGirl | 525 (10.9)404 (8.8) | 10.75 (0.63-0.88) | 0.0001 | 80 (7.4)53 (6.0) | 10.78 (0.53-1.15) | 0.20 |
| **Age in months** 3-1213-2425-3637-4848+ | 101 (7.4)242 (10.9)243 (11.8)187 (9.3)156 (9.2) | 11.77 (1.34-2.36)1.87 (1.41-2.48)1.38 (1.03-1.84)1.36 (1.00-1.84) | 0.0001 | 18 (6.0)24 (5.8)37 (7.7)30 (7.7)24 (6.5) | 10.97 (0.49-1.89)1.32 (0.71-2.46)1.29 (0.67-2.47)1.08 (0.55-2.12) | 0.77 |
| **Intervention arm**PlaceboAZ | 459 (9.7)470 (10.1) | 11.08 (0.88-1.31) | 0.47 | 67 (6.7)66 (6.9) | 11.00 (0.67-1.47) | 0.99 |
|  |  |  |  |  |  |  |
| **Distance to health facility**<1 km1-4 km5-9 km10+ km | 372 (9.1)181 (13.1)150 (9.3)226 (10.0) | 11.44 (1.10-1.90)1.03 (0.78-1.37)1.07 (0.83-1.37) | 0.07 | 51 (5.9)25 (8.6)29 (8.7)28 (6.0) | 11.56 (0.90-2.71)1.55 (0.91-2.65)1.03 (0.61-1.73) | 0.22 |
| **SP dose (mg/kg)**<2525-70 >70 | -- |  |  | 1 (6.3) 123 (6.5)9 (26.5) | 1.02 (0.11-9.17)16.94 (2.61-18.4) | 0.0005 |
| **AQ dose (mg/kg)**<1010-15>15 | -- |  |  | 6 (1.5)70 (6.1)57 (13.9) | 0.22 (0.09-0.53)12.79 (1.81-4.30) | <0.0001 |

Table 2: *Association of baseline variables with stunting, wasting and underweight in 2016 in Mali. Number and proportion with z<-2 is shown together with odds ratios and p-values. Likelihood ratio test p-values are presented to indicate a global measure of association.*

Table 4: *Association of baseline variables with stunting, wasting and underweight in 2016 in Mali. Number and proportion with z<-2 is shown together with odds ratios and p-values. Likelihood ratio test p-values are presented to indicate a global measure of association.*

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Stunted** | **Wasted**  | **Underweight** |
|  | **Number (%)** | **Odds ratio** | **P-value** | **Number (%)** | **Odds ratio** | **P-value** | **Number (%)** | **Odds ratio** | **P-value** |
| **Sex**BoyGirl | 326 (30.3)213 (24.1) | 10.72 (0.58-0.89) | 0.003 | 195 (17.4)122 (13.3) | 10.71 (0.54-0.93) | 0.01 | 263 (24.4)167 (18.9) | 10.70 (0.56-0.89) | 0.004 |
| **Age in months** 3-1213-2425-3637-4848+ | 33 (10.9)125 (30.2)174 (36.1)114 (29.2)93 (25.1) | 13.90 (2.48-6.13)5.18 (3.32-8.09)3.69 (2.34-5.82)2.91 (1.84-4.60) | <0.0001 | 69 (22.8)87 (21.0)61 (12.7)42 (10.7)50 (13.5) | 10.87 (0.57-1.31)0.44 (0.29-0.69)0.35 (0.22-0.57)0.50 (0.31-0.79) | <0.0001 | 48 (15.8)107 (25.9)124 (25.7)74 (18.9)77 (20.8) | 11.96 (1.30-2.96)1.96 (1.31-2.93)1.28 (0.83-1.96)1.46 (0.95-2.24) | 0.003 |
| **Intervention arm**PlaceboAZ | 274 (27.5)265 (27.5) | 11.00 (0.81-1.25) | 0.96 |  164 (15.9)153 (15.2) | 10.93 (0.70-1.23) | 0.59 | 213 (21.4)217 (22.5) | 11.08 (0.85-1.37) | 0.55 |
|  |  |  |  |  |  |  |  |  |  |
| **Distance to health facility**<1 km1-4 km5-9 km10+ km | 233 (26.8)67 (23.1)101 (30.3)138 (29.6) | 10.81 (0.58-1.14)1.20 (0.89-1.62)1.16 (0.89-1.52) | 0.17 | 102 (11.2)45 (14.8)59 (17.2)111 (23.1) | 11.42 (0.92-2.17)1.70 (1.13-2.54)2.58 (1.82-3.67) | <0.0001 | 145 (16.7)64 (22.1)89 (26.7)132 (28.3) | 11.42 (1.00-2.03)1.87 (1.34-2.60)2.02 (1.51-2.72) | <0.0001 |
| **SP dose (mg/kg)**<2525-70 >70 | 1 (6.3)517 (27.1)21 (61.8) | 0.17 (0.02-1.36)14.88 (2.27-10.5) | 0.0001 | 1 (5.6) 287 (14.4)29 (85.3) | 0.34 (0.04-2.84)153.6 (17.3-166) | <0.0001 | 0 (0.0)396 (20.7)34 (100.0) | *Not relevant* |  |
| **AQ dose (mg/kg)**<1010-15>15 | 18 (4.5)315 (27.3)206 (50.1) | 0.11 (0.07-0.19)13.04 (2.28-4.05) | <0.0001 | 21 (5.0)159 (13.2)137 (33.3) | 0.33 (0.20-0.54)13.69 (2.68-5.08) | <0.0001 | 1 (0.3)206 (17.9)223 (54.3) | 0.01 (0.002-0.08)16.13 (4.41-8.51) | <0.0001 |