**SUPPLEMENTARY MATERIAL**

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| **Supplemental Table 1: Distribution of characteristics in those lost to follow up as compared to those who completed follow-up** |
| **Characteristics** | **Units/categories** | **Loss to follow-up** **N=7554**  | **Completed follow up****N= 40,938**  |
| **Mean Baseline age** | (months) | 6.9 | 8.5 |
| **SES category** | Low % | 1364 (18.3%) | 8132 (19.9%) |
|  | Medium % | 3003 (40.4%) | 17,194 (42.1%) |
|  | High % | 3067 (41.3%) | 15,520 (38.0%) |
| **Mom Literacy** | Illiterate | 5006 (66.7%) | 31,646 (77.6%) |
|  | Literate | 2503 (33.3%) | 9123 (22.4%) |
| **Mean Censor age** | (Months) | 21.4 | 29.6 |
| **Sex** | Boys |  3939 (52.1%) | 21,009 (51.3%) |
|  | Girls | 3615 (47.9%) | 19929 (48.7%) |
| **Ethnicity** | Pahadi | 2957 (39.8%) | 12219 (29.9%) |
|  | Madhesi | 4473 (60.2%) | 28585 (70.0%) |
| **Mean MUAC** | (Centimeters) | 11.3 | 11.3 |
| SES, Socio-economic StatusMUAC, Mid Upper-arm Circumference |

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| **Supplemental Table 2: Unadjusted and adjusted hazard ratios in** **children <6 months** |
|   |   | **Unadjusted** | **Adjusted** |
|   |   | **Coefficient** | **95% CI1** | **Coefficient** | **95% CI1** |
| **MUAC** | ≥11.5 cm |   |   |   |   |
|  | <11.5 cm | 1.74 | 1.39 – 2.75 | 1.57 | 1.26 – 1.97 |
| **Ethnicity** | Pahadi |   |   |   |   |
|  | Madhesi | 1.93 | 1.59 -2.35 | 1.54 | 1.25 - 1.88 |
| **Sex** | Boys |   |   |   |   |
|  | Girls | 1.56 | 1.33 - 1.83 | 1.41 | 1.21 - 1.64 |
| **SES**  | Low |   |   |   |   |
|  | Middle | 0.76 | 0.62 - 0.91 | 0.78 | 0.65 - 0.94 |
|  | High | 0.55 | 0.45 - 0.68 | 0.68 | 0.55 - 0.83 |
| **Maternal Literacy** | Illiterate |   |   |   |   |
|   | Literate | 0.41 | 0.32 - 0.52 | 0.58 | 0.46 - 0.75 |
| MUAC, Mid Upper-arm CircumferenceSES, Socio-economic Status1Significance level p<0.05 |

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| **Supplemental Table 3: Unadjusted and adjusted hazard ratios in** **children ≥ 6 months** |
|   |   | **Unadjusted** | **Adjusted** |
|   |   | **Coefficient** | **95% CI1** | **Coefficient** | **95% CI1** |
| **MUAC** | ≥11.5 cm |   |   |   |   |
|  | <11.5 cm | 7.18 | 5.20 – 9.92 | 5.45 | 3.86 – 7.68 |
| **Ethnicity** | Pahadi |   |   |   |   |
|  | Madhesi | 1.73 | 1.19 -2.49 | 1.06 | 0.72 - 1.57 |
| **Sex** | Boys |   |   |   |   |
|  | Girls | 0.79 | 0.48 - 1.31 | 1.29 | 0.95 - 1.78 |
| **SES**  | Low |   |   |   |   |
|  | Middle | 0.43 | 0.23 - 0.80 | 0.60 | 0.42 - 0.85 |
|  | High | 0.39 | 0.21 - 0.73 | 0.42 | 0.27 - 0.65 |
| **Maternal** **Literacy** | Illiterate |   |   |   |   |
|   | Literate | 0.75 | 0.41 – 1.39 | 0.55 | 0.30 - 0.98 |
| MUAC, Mid Upper-arm CircumferenceSES, Socio-economic Status1Significance level p<0.05 |