# Intention-to-Treat analysis for stunting in 1-year old children

**Version 1.6**

March 24, 2022

# Contents

Table 1: Baseline characteristics to be reported of liveborn children

|  | A | B |
|---|---|---|
| International Research Center and randomization stratification |  |  |
| Strata 1 | 416 (25.9%) | 382 (24.0%) |
| Strata 2 | 39 (2.4%) | 50 (3.1%) |
| Strata 3 | 40 (2.5%) | 36 (2.3%) |
| Strata 4 | 42 (2.6%) | 26 (1.6%) |
| Strata 5 | 48 (3.0%) | 41 (2.6%) |
| Strata 6 | 379 (23.6%) | 421 (26.5%) |
| Strata 7 | 208 (13.0%) | 191 (12.0%) |
| Strata 8 | 167 (10.4%) | 175 (11.0%) |
| Strata 9 | 68 (4.2%) | 66 (4.2%) |
| Strata 10 | 198 (12.3%) | 202 (12.7%) |
| Gestational age (weeks) at intervention | 18.1 (3.3) | 18.1 (3.4) |
| Child sex |  |  |
| Male | 800 (49.8%) | 786 (49.4%) |
| Female | 743 (46.3%) | 731 (46.0%) |
| Number of siblings in the house | 1.6 (1.1) | 1.6 (1.1) |
| Second-hand smoking | 76 (4.7%) | 89 (5.6%) |
| Household food insecurity score |  |  |
| Mild | 261 (16.3%) | 231 (14.5%) |
| Moderate | 400 (24.9%) | 464 (29.2%) |
| Sereve | 925 (57.6%) | 868 (54.6%) |

Table 2: Other key characteristics of study population of liveborn children

| | A | B |
|---|---|---|
| **Maternal variables** | | |
| Mother's age (years) | 25.4 (4.4) | 25.3 (4.5) |
| Mother's highest level of education completed | | |
| No formal education or some primary school (1 or 2) | 515 (32.1%) | 524 (33.0%) |
| Primary school or some secondary school incomplete (3 or 4) | 555 (34.6%) | 536 (33.7%) |
| Secondary school or vocational or university/college (5 or 6 or 7) | 534 (33.3%) | 530 (33.3%) |
| Gestational age (weeks) | 15.4 (3.2) | 15.4 (3.1) |
| **Child variables** | | |
| Birth weight-for-age z score | -0.8 (1.0) | -0.8 (1.0) |
| Exclusive breastfeeding | 576 (35.9%) | 594 (37.4%) |
| Up-to-date vaccination status | | |

Table 3: Pneumonia case characteristics to be reported

| | A | B |
|---|---|---|
| International Research Center and randomization stratification | | |
| Strata 1 | 44 (50.6%) | 38 (30.9%) |
| Strata 2 | 0 (0.0%) | 1 (0.8%) |
| Strata 3 | 1 (1.1%) | 2 (1.6%) |
| Strata 4 | 0 (0%) | 0 (0%) |
| Strata 5 | 0 (0%) | 0 (0%) |
| Strata 6 | 29 (33.3%) | 71 (57.7%) |
| Strata 7 | 3 (3.4%) | 1 (0.8%) |
| Strata 8 | 4 (4.6%) | 1 (0.8%) |
| Strata 9 | 1 (1.1%) | 0 (0.0%) |
| Strata 10 | 5 (5.7%) | 9 (7.3%) |
| Child's age (months) | | |
| <2 months | 24 (27.6%) | 66 (53.7%) |
| 3-5 months | 19 (21.8%) | 28 (22.8%) |
| 6-11 months | 39 (44.8%) | 22 (17.9%) |
| Child sex | | |
| Male | 45 (51.7%) | 45 (36.6%) |
| Female | 41 (47.1%) | 78 (63.4%) |
| Weight (kg) | 6.3 (2.4) | 5.1 (2.1) |
| Severe acute malnutrition | 8 (9.2%) | 18 (14.6%) |
| Temperature >38 C | 33 (37.9%) | 18 (14.6%) |
| Average Heart rate | 155.0 (20.7) | 158.0 (15.1) |
| Average Respiratory rate | 57.7 (14.3) | 62.0 (12.2) |
| Average SpO2 | 88.7 (6.8) | 88.8 (4.8) |
| Hypoxemia | 14 (16.1%) | 14 (11.4%) |
| Wheeze +/- crackles | 14 (16.1%) | 19 (15.4%) |
| At least one respiratory danger sign | 29 (33.3%) | 28 (22.8%) |
| Chest indrawing | 38 (43.7%) | 59 (48.0%) |
| Head nodding | 24 (27.6%) | 35 (28.5%) |
| Persistent nasal flaring | 16 (18.4%) | 12 (9.8%) |
| Grunting | 5 (5.7%) | 7 (5.7%) |
| Stridor when calm | 6 (6.9%) | 10 (8.1%) |
| Tracheal tugging | 33 (37.9%) | 28 (22.8%) |
| Intercostal retractions | 20 (23.0%) | 34 (27.6%) |
| Unable to drink or breastfeed, n (%) | 11 (12.6%) | 11 (8.9%) |
| Vomiting everything, n (%) | 5 (5.7%) | 10 (8.1%) |
| Convulsions, n (%) | 6 (6.9%) | 2 (1.6%) |
| Lethargy or unconscious, n (%) | 10 (11.5%) | 15 (12.2%) |

```
##                Outcome +    Time at risk        Inc rate *
## Exposed +            87            1525                 57.0
## Exposed -           123            1540                 79.9
## Total               210            3065                 68.5
##
## Point estimates and 95% CIs:
## -------------------------------------------------------------------
## Inc rate ratio                          0.71 (0.54, 0.95)
## Attrib rate in the exposed *           -22.82 (-41.34, -4.30)
## Attrib fraction in the exposed (%)     -40.00 (-86.42, -5.53)
## Attrib rate in the population *        -11.35 (-28.24, 5.53)
## Attrib fraction in the population (%)  -16.57 (-21.50, -11.45)
## -------------------------------------------------------------------
##  Wald confidence limits
##  CI: confidence interval
##  * Outcomes per 1000 units of population time at risk


##             Cases Person-time
## Exposed        87         1525
## Unexposed     123         1540
## Total         210         3065


##
##  Incidence rate ratio estimate and its significance probability
##
## data:  87 123 1525 1540
## p-value = 0.01581
## 95 percent confidence interval:
##  0.5427788 0.9399553
## sample estimates:
## [1] 0.7142743
```