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

Version 1.6

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Contents

Table 1: Baseline characteristics to be reported of liveborn children

	Control (N = 1525)	Intervention (N = 1536)
International Research Center		
Guatemala	386 (25.3%)	384 (25.0%)
India	387 (25.4%)	388 (25.3%)
Peru	358 (23.5%)	385 (25.1%)
Rwanda	394 (25.8%)	379 (24.7%)
Gestational age (weeks) at intervention		18.1 (3.3)
Child sex		
Male	788 (51.7%)	800 (52.1%)
Female	737 (48.3%)	736 (47.9%)
Number of siblings in the house	1.7 (1.1)	1.6 (1.1)
Second-hand smoking	85 (5.6%)	76 (4.9%)
Household food insecurity score		
Food secure	820 (53.8%)	904 (58.9%)
Mild	424 (27.8%)	403 (26.2%)
Moderate/Sereve	259 (17.0%)	208 (13.5%)
Socio-economic Status	-0.064 (1.057)	0.06 (1.018)

Variables	Total	Missing
Exclusive breastfeeding	3061	645 (21.1%)
Household food insecurity score	3061	43 (1.4%)
Gestational age (weeks) at intervention	3061	1525 (49.8%)
Second-hand smoking	3061	7 (0.2%)
Number of siblings in the house	3061	1023 (33.4%)
Up-to-date vaccination status	3061	2518 (82.3%)
Birth weight-for-age z score	3061	59 (1.9%)

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

	Control (N = 1525)	Intervention (N = 1536)
Maternal variables		
Mother's age (years)	25.4 (4.5)	25.3 (4.4)
Mother's highest level of education completed		
No formal education or some primary school (1 or 2)	540 (35.4%)	461 (30.0%)
Primary school or some secondary school incomplete (3 or 4)	514 (33.7%)	538 (35.0%)
Secondary school or vocational or university/college (5 or 6 or 7)	471 (30.9%)	537 (35.0%)
Gestational age at baseline (weeks)	15.3 (3.2)	15.5 (3.1)
Child variables		
Birth weight-for-age z score	-0.8 (1.0)	-0.8 (1.0)
Exclusive breastfeeding	550 (36.1%)	495 (32.2%)
Up-to-date vaccination status	137 (9.0%)	127 (8.3%)

Table 3: Pneumonia case characteristics to be reported

	Control (N = 90)	Intervention (N = 85)
International Research Center		
Guatemala	32 (35.6%)	38 (44.7%)
India	6 (6.7%)	5 (5.9%)
Peru	6 (6.7%)	7 (8.2%)
Rwanda	46 (51.1%)	35 (41.2%)
Child's age (months)		
<2 months	37 (41.1%)	39 (45.9%)
3-5 months	25 (27.8%)	17 (20.0%)
6-11 months	28 (31.1%)	29 (34.1%)
Child sex		
Male	40 (44.4%)	46 (54.1%)
Female	50 (55.6%)	39 (45.9%)
Weight (kg)	5.7 (2.4)	5.8 (2.3)
Severe acute malnutrition	7 (7.8%)	5 (5.9%)
Up-to-date vaccination status	7 (7.8%)	1 (1.2%)
Temperature >38 C	33 (36.7%)	18 (21.2%)
Average Heart rate	156.4 (19.0)	153.1 (21.7)
Average Respiratory rate	59.6 (15.4)	57.9 (12.4)
Average SpO2	88.5 (7.8)	89.1 (6.0)
Hypoxemia	60 (66.7%)	60 (70.6%)
Wheeze +/- crackles	17 (18.9%)	17 (20.0%)
At least one respiratory danger sign	42 (46.7%)	44 (51.8%)
Chest indrawing	41 (45.6%)	37 (43.5%)
Head nodding	25 (27.8%)	19 (22.4%)
Persistent nasal flaring	21 (23.3%)	12 (14.1%)
Grunting	5 (5.6%)	12 (14.1%)
Stridor when calm	7 (7.8%)	12 (14.1%)
Tracheal tugging	39 (43.3%)	22 (25.9%)
Intercostal retractions	22 (24.4%)	18 (21.2%)
Unable to drink or breastfeed, n (%)	14 (15.6%)	10 (11.8%)
Vomiting everything, n (%)	8 (8.9%)	7 (8.2%)
Convulsions, n (%)	3 (3.3%)	5 (5.9%)
Lethargy or unconscious, n (%)	12 (13.3%)	13 (15.3%)
Pneumonia by Lung Ultrasound , n(%)	44 (48.9%)	42 (49.4%)
Pneumonia by Chest Xray , n(%)	3 (3.3%)	1 (1.2%)

```
## 
## Call:
## geeglm(formula = pneumonia ~ s6_arm + factor(tenstrata), family = "poisson",
##     data = df.base, offset = (log(fu_day)), id = hhid, corstr = "independence")
## 
##  Coefficients:
##                    Estimate   Std.err    Wald Pr(>|W|)
## (Intercept)        -10.02801   0.40980 598.815  < 2e-16 ***
## s6_arm              -0.03894   0.16033   0.059    0.808
## factor(tenstrata)9   0.04545   0.81876   0.003    0.956
## factor(tenstrata)8   0.20522   0.57454   0.128    0.721
## factor(tenstrata)7  -0.19517   0.60288   0.105    0.746
## factor(tenstrata)6   1.77361   0.42602  17.332 3.14e-05 ***
## factor(tenstrata)5  -0.22074   1.08133   0.042    0.838
## factor(tenstrata)3   1.04434   0.70315   2.206    0.137
## factor(tenstrata)2  -0.27897   1.08482   0.066    0.797
## factor(tenstrata)1   1.92066   0.42461  20.461 6.09e-06 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
## 
## Correlation structure = independence
## Estimated Scale Parameters:
## 
##             Estimate Std.err
## (Intercept)    7.627   89.59
## Number of clusters:   3000  Maximum cluster size: 4
```

term	estimate	std.error	statistic	p.value	conf.low	conf.high
(Intercept)	0.0000	0.4098	598.8147	0.0000	0.0000	0.0001
s6_arm	0.9618	0.1603	0.0590	0.8081	0.7025	1.3169
factor(tenstrata)9	1.0465	0.8188	0.0031	0.9557	0.2103	5.2079
factor(tenstrata)8	1.2278	0.5745	0.1276	0.7209	0.3982	3.7860
factor(tenstrata)7	0.8227	0.6029	0.1048	0.7461	0.2524	2.6817
factor(tenstrata)6	5.8921	0.4260	17.3323	0.0000	2.5565	13.5800
factor(tenstrata)5	0.8019	1.0813	0.0417	0.8382	0.0963	6.6767
factor(tenstrata)3	2.8415	0.7031	2.2059	0.1375	0.7162	11.2739
factor(tenstrata)2	0.7566	1.0848	0.0661	0.7971	0.0902	6.3423
factor(tenstrata)1	6.8255	0.4246	20.4607	0.0000	2.9696	15.6878