**Supplementary File #1**

Description of children included in “Non-MUAC eligible” arm and OptiMA protocol. Yako district, Burkina Faso, 2017.

|  |  |  |  |
| --- | --- | --- | --- |
|   |   | **Non MUAC eligible** | **OptiMA protocol** |
|   |   | **N=117** | **N=4958** |
|   |   | **n** | **%** | **n** | **%** |
| **Age** (*month, mean (sd*)) |   | 23.1 | (12.1) | 14.9 | 8.8 |
|   |   |   |   |   |   |
| **Age category**  | <24 m  | 72 | 61.5 | 4077 | 82.2 |
|   | > 24 m | 45 | 38.5 | 881 | 17.8 |
|   |   |   |   |   |   |
| **Sex** | M | 74 | 63.2 | 2057 | 41.6 |
|   | F | 43 | 36.8 | 2884 | 58.4 |
|   |   |   |   |   |   |
| **Hospitalization** |   | 13 | 11.1 | 680 | 13.7 |
|   |   |   |   |   |   |
| **Exit status** | Recovered | 111 | 94.9 | 4279 | 86.3 |
|   | Defaulted | 3 | 2.6 | 233 | 4.7 |
|   | Deceased | 2 | 1.7 | 22 | 0.4 |
|   | Not respondent | - | - | 170 | 3.4 |
|   | Transfered | 1 | 0.8 | 11 | 0.2 |
|   | Alive, unconfirmed status | - | - | 243 | 4.9 |