**Additional File 1 (Additional Table): Definition of anthropometric indicators. Z-scores of -2.0 or lower were used as threshold values.**

|  |  |
| --- | --- |
| **Indicator** | **Definition** |
| **Anthropometrics\*** |  |
| Stunting | Height-for-age (HAZ) |
| Underweight | Weight-for-age (WAZ) |
| Wasting | Weight-for-height (WHZ) |
| Thinness | Body mass index (BMI)-for-age (BAZ) |
| **Blood Plasma/serum**\*\* |  |
|  Normal ranges for Hemoglobin (g/L) | * 1-6 years (both boys and girls) =115-135
* 6-12 years (both boys and girls) = 115-155
* 12-18 years: Boys =130-160

 Girls = 120-160 |
| Normal Ranges for Creatinine (mg/dL) | * 0.3 to 0.7 for children under age 3
* 0.5 to 1.0 for children ages 3 to 18 years
 |
| Normal Ranges for RBC (x1012/L) | * 1-6 years (both boys and girls)= 3.9- 5.3,
* 6-12 years (both boys and girls) =4.0-5.2
* 12-18 years (boys) = 4.5-5.3
* 12-18 years (girls) = 4.1-5.1
 |
| Normal Ranges for Hct | * 1-6 years (both boys and girls)= 0.34-0.40
* 6-12 years (both boys and girls) =0.35-0.45
* 12-18 years (boys) = 0.36-0.46
* 12-18 years (girls) = 0.37-0.49
 |

\*WHO, 2013.

\*\*Wintrobe MM, Lee GR, Boggs DR. Clinical Hematology. 8. Lea &Febiger; Philadelphia: 1981.