Supplemental Figure 1. Flow diagram of study selection.

Comparison of WHO-MGRS study data with other studies from all around the world.

Potentially relevant studies identified and screened for retrieval. \( (n \approx 2,500) \)

Ineligible studies excluded; for example, those published before 1988. \( (n \approx 1,600) \)

Abstracts retrieved. \( (n \approx 900) \)

Studies were excluded if their abstracts, did not focus on growth and the studies did not create curves and/or report mean or percentile values at specific ages, and if they separated data for girls and boys. \( (n = 550) \)

Potentially appropriate studies for review conforming the criteria in MGRS study. \( (n \approx 350) \)

Studies excluded from the review if the study design included children from economically disadvantaged groups or if the country of study scored \( \leq 0.75 \) on the Human development index. \( (n \approx 225) \)

Studies were included if they excluded children who were malnourished or had congenital malformations that could affect growth. \( (n = 105) \)

Studies of newborns only were included if their results were reported using “term birth” criteria. \( (n = 20) \)

Appropriate studies which conformed to the criteria were included if sample size was $\geq 50$

Studies that were included were analyzed and compared with the WHO-MGRS study. \( (n = 78) \)
Supplemental Figure 2. Weight at birth: 54 countries vs. MGRS. The green box delimits the area within 0.5 SD of the MGRS mean. The green line in the box shows the MGRS mean. 4a. Boys. MGRS mean: 3.3 kg; SD: 0.55 kg up; 0.40 kg down; 4b. Girls. MGRS mean: 3.2 kg SD: 0.50 kg up; 0.40 kg down.

Supplemental Figure 2a
**Supplemental Figure 3.** Estimated percentages of extreme outliers (weight) at age 24 months. 4a. Percentage of boys (blue) or girls (pink) estimated to be above the 97.7\(^{th}\) percentile on the MGRS curves. 4b. Percentage of boys (blue) or girls (pink) estimated to be below the 2.3\(^{rd}\) percentile on the MGRS curves. Moroccans in NL = Moroccan people living in the Netherlands.

**Supplemental Figure 3a**

[Graph showing estimated percentages above the 97.7th percentile for various countries.]
Supplemental Figure 3b
Supplemental Figure 4. Estimated percentages of extreme outliers (height) at age 24 months. 4a. Percentage of boys (blue) or girls (pink) estimated to be above the 97.7\textsuperscript{th} percentile on the MGRS curves. 4b. Percentage of boys (blue) or girls (pink) estimated to be below the 2.3\textsuperscript{rd} percentile on the MGRS curves. Moroccans in NL = Moroccan people living in the Netherlands.

Supplemental Figure 4a