

Countries that need to incorporate the 2007 WHO reference charts into existing national health cards have to locally reproduce the charts to fit the format of the health cards. These expanded tables are required to reproduce growth charts with adequate precision. They provide:

- a) all the centiles and z-scores with 3 decimal precision;
- b) additional z-scores: -4 SD and +4 SD for all indicators. In the case of height-for-age, the expanded tables include also the -5 SD cut-off for the assessment of very short stature;
- c) the L, M and S values to facilitate the calculation of any centile or z-score.

Once the 2007 WHO charts are reproduced by a graphic designer, we strongly recommend careful checking of the curves as they may shift depending on the graphics program used, printer, or any other uncontrollable factor. Ideally a systematic check of the lines should be done against the WHO data tables.

#### **Disclaimer**

**All reasonable precautions have been taken by the World Health Organization to verify the data contained in the "Expanded tables for constructing national health cards". However, these tables are published without warranty of any kind, either express or implied. The responsibility for the use and interpretation of the expanded tables and any product derived from them lies with the user. In no event shall the World Health Organization be liable for damages arising from their use.**