

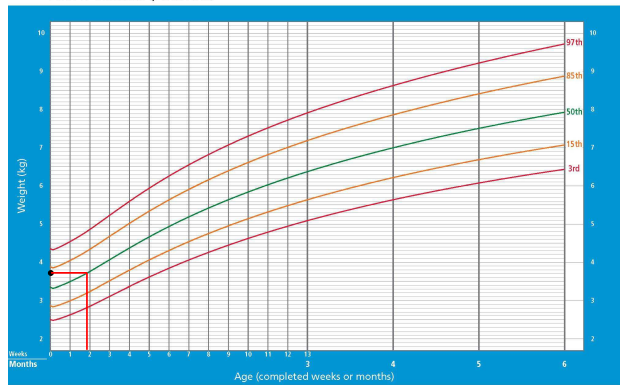
COMPARISON OF
CHILD CANDAT ANTHROPOMETRY
WITH WHO
LAST AVAILABLE DATA
ON CHILD GROWTH

Brussels, 1st April 2008

GRSP Informal Group on CRS

Weight-for-age BOYS

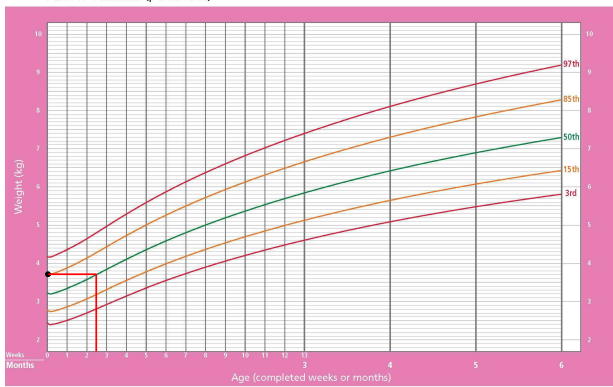
Birth to 6 months (percentiles)



WHO Child Growth Standard

Weight-for-age GIRLS

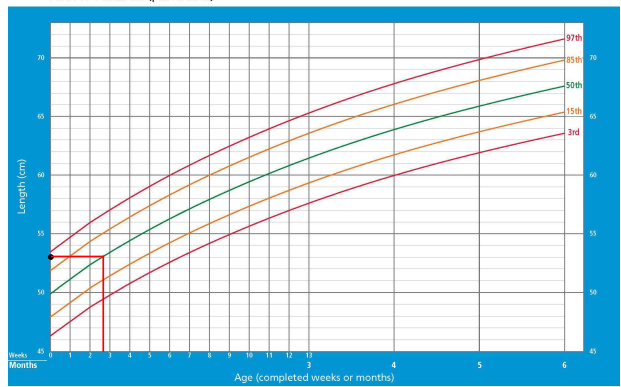
Birth to 6 months (percentiles)



WHO Child Growth Standard

Length-for-age BOYS

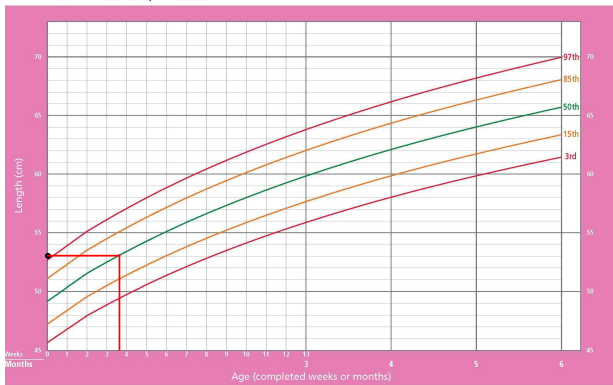
Birth to 6 months (percentiles)



WHO Child Growth Standard

Length-for-age GIRLS

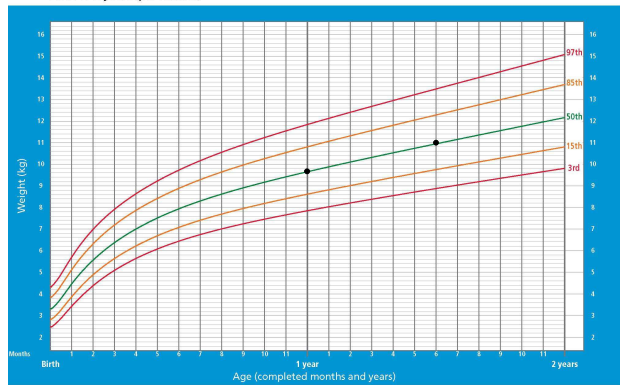
Birth to 6 months (percentiles)



WHO Child Growth Standard

Weight-for-age BOYS

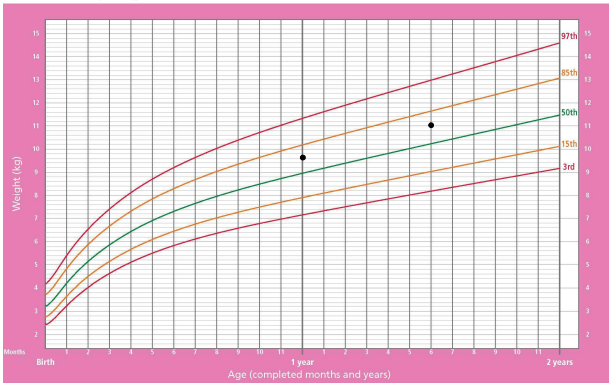
Birth to 2 years (percentiles)



WHO Child Growth Standard

Weight-for-age GIRLS

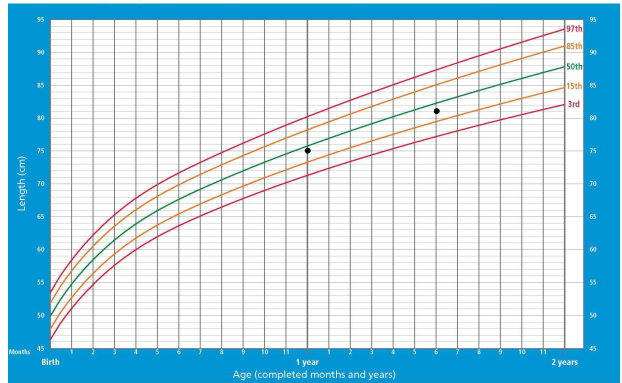
Birth to 2 years (percentiles)



WHO Child Growth Standard

Length-for-age BOYS

Birth to 2 years (percentiles)



WHO Child Growth Standard

Length-for-age GIRLS

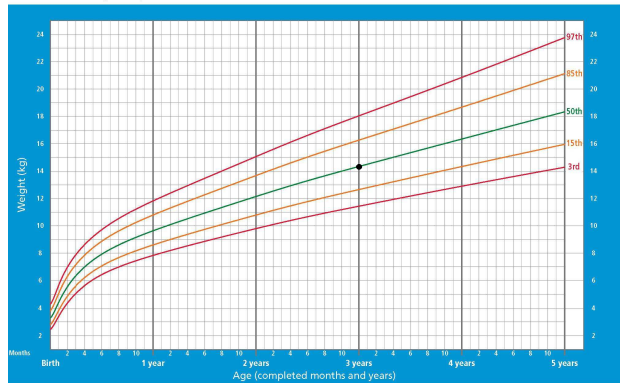
Birth to 2 years (percentiles)



WHO Child Growth Standard

Weight-for-age BOYS

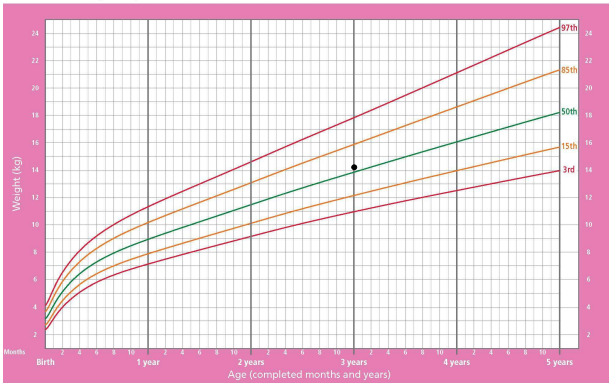
Birth to 5 years (percentiles)



WHO Child Growth Standard

Weight-for-age GIRLS

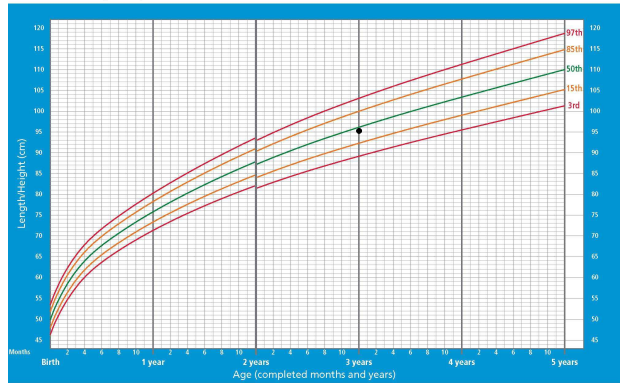
Birth to 5 years (percentiles)



WHO Child Growth Standard

Length/height-for-age BOYS

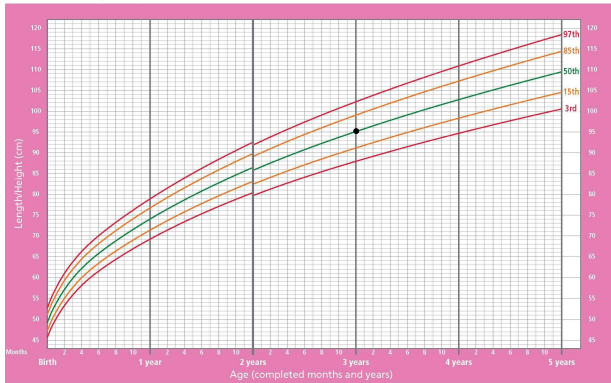
Birth to 5 years (percentiles)



WHO Child Growth Standard

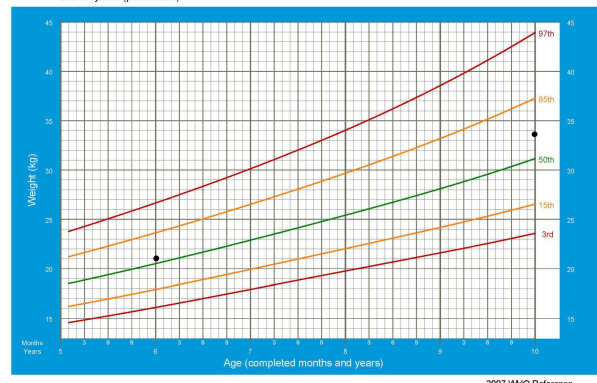
Length/height-for-age GIRLS

Birth to 5 years (percentiles)



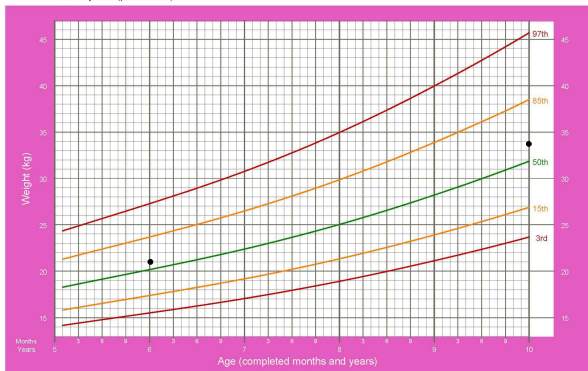
Weight-for-age BOYS

5 to 10 years (percentiles)



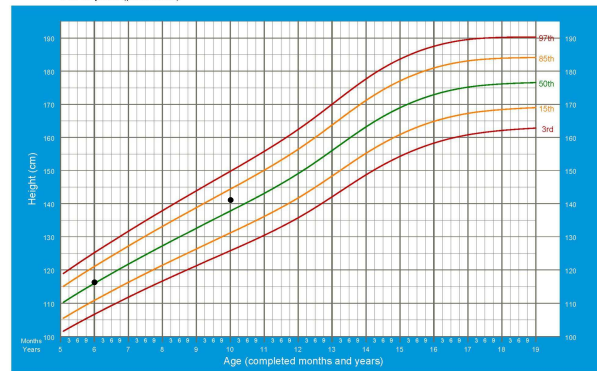
Weight-for-age GIRLS

5 to 10 years (percentiles)



Height-for-age BOYS

5 to 19 years (percentiles)



Height-for-age GIRLS

5 to 19 years (percentiles)



CONCLUSIONS

- WHO data for children growth is universal and valid for large regions.
- Height and weight data from CANDAT are very similar to WHO anthropometry data for the children with 1, 1.5 and 3 years.
- Differences are for the newborn, 6 years and 10 years values.
- CANDAT anthropometry data for the newborn looks more similar to the 2-3 weeks babies on WHO.
- CANDAT values for the six years are quite higher than WHO ones.
- For the 10 years differences are larger, been CANDAT values higher than WHO ones.
- Weight WHO values for 6 years and older shows large variability against the percentiles of the same age.

Dimensions of CANDAT are representative for the world children population. Differences appear for the 10 year values having higher values for CANDAT than WHO. This confirms that CANDAT data is more concentrated on USA and European sizes. Observed differences are not large and important and the CANDAT database could be used as a universal child anthropometry database (it includes more anthropometric dimensions than WHO).

