

Appendix A. Model specifications of the WHO child growth standards

Table A1 Degrees of freedom for fitting the parameters of the Box-Cox-power exponential (BCPE) distribution for the models with the best fit to generate standards based on age, head circumference, arm circumference, triceps skinfold and subscapular skinfold in children 0–60 months of age

Standards	Sex	λ^a	$df(\mu)^b$	$df(\sigma)^c$	$df(v)^d$	τ^e
Head circumference, 0–60 mo	Boys	0.20	9	5	0 ^f	2
	Girls	0.20	9	2	0 ^f	2
Arm circumference, 3–60 mo	Boys	0.35	7	4	2	2
	Girls	0.35	8	4	1	2
Triceps skinfold, 3–60 mo	Boys	0.30	7	5	2	2
	Girls	0.15	7	5	3	2
Subscapular skinfold, 3–60 mo	Boys	0.65	6	2	2	2
	Girls	0.15	5	4	2	2

^a Age transformation power.

^b Degrees of freedom for the cubic splines fitting the median (μ).

^c Degrees of freedom for the cubic splines fitting the coefficient of variation (σ).

^d Degrees of freedom for the cubic splines fitting the Box-Cox transformation power (v).

^e Parameter related to the kurtosis fixed ($\tau=2$).

^f $v=1$: Normal distribution.