

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, length and weight in children 0–60 months of age

Standards	Sex	λ^a	$df(\mu)^b$	$df(\sigma)^c$	$df(v)^d$	τ^e
Length/height, 0–60 mo	Boys	0.35	12	6	0 ^f	2
	Girls	0.35	10	5	0 ^f	2
Weight, 0–60 mo	Boys	0.35	11	7	2	2
	Girls	0.35	11	7	3	2
Weight for length/height, 0–60 mo	Boys	None	13	6	1	2
	Girls	None	12	4	1	2
BMI, 0–24 mo	Boys	0.05	10	4	3	2
	Girls	0.05	10	3	3	2
BMI, 24–60 mo	Boys	None	4	3	3	2
	Girls	None	4	4	1	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.