

Supplementary file S8 – GRADE ratings

Outcome	GRADE rating High / moderate / low / very low	Explanation Reasons for lowering or raising certainty
IQ	Very low	Imprecision due to low sample size (n < 50)
Development	Low	
Weight – within-subject	Low	
Weight – between-subject	Low	
Body mass index – within-subject	Low	
Body mass index – between-subject	Low	
Height – within-subject	Low	
Height – between-subject	Low	
Growth velocity – within-subject	Low	
Growth velocity – between-subject	Low	
Head circumference – within-subject	Low	
Brachial muscular area – within-subject	Very low	Imprecision due to low sample size (n < 50)
Brachial adipose area – within-subject	Very low	Imprecision due to low sample size (n < 50)
Cholesterol – within-subject	Very low	Imprecision due to low sample size (n < 50)
Cholesterol – between-subject	Very low	Imprecision due to low sample size (n < 50)
Triglycerides – within-subject	Very low	Imprecision due to low sample size (n < 50)
Triglycerides – between-subject	Very low	Imprecision due to low sample size (n < 50)
Iron – within-subject	Very low	Imprecision due to low sample size (n < 50)
Iron – between-subject	Very low	Imprecision due to low sample size (n < 50)
Transferrin – within-subject	Very low	Imprecision due to low sample size (n < 50)
Transferrin – between-subject	Very low	Imprecision due to low sample size (n < 50)
Ferritin – within-subject	Very low	Imprecision due to low sample size (n < 50)
Albumin – within-subject	Very low	Imprecision due to low sample size (n < 50)
Albumin – between-subject	Very low	Imprecision due to low sample size (n < 50)
Total protein – within-subject	Very low	Imprecision due to low sample size (n < 50)
Tranthyrelin – within-subject	Very low	Imprecision due to low sample size (n < 50)
Vitamin A – within-subject	Very low	Imprecision due to low sample size (n < 50)
Vitamin B6 – within-subject	Very low	Imprecision due to low sample size (n < 50)
Vitamin B6 – between-subject	Very low	Imprecision due to low sample size (n < 50)
Folate – within-subject	Very low	Imprecision due to low sample size (n < 50)

Folate – between-subject	Very low	Imprecision due to low sample size (n < 50)
Vitamin B12 – within-subject	Very low	Imprecision due to low sample size (n < 50)
Vitamin B12 – between-subject	Very low	Imprecision due to low sample size (n < 50)
MMA – within-subject	Very low	Imprecision due to low sample size (n < 50)
MMA – between-subject	Very low	Imprecision due to low sample size (n < 50)
Calcifedol – within-subject	Very low	Imprecision due to low sample size (n < 50)
Calcifedol – between-subject	Very low	Imprecision due to low sample size (n < 50)
Vitamin E – within-subject	Very low	Imprecision due to low sample size (n < 50)
Calcium – within-subject	Very low	Imprecision due to low sample size (n < 50)
Calcium – between-subject	Very low	Imprecision due to low sample size (n < 50)
Phosphate – within-subject	Very low	Imprecision due to low sample size (n < 50)
Phosphate – between-subject	Very low	Imprecision due to low sample size (n < 50)
Selenium – within-subject	Very low	Imprecision due to low sample size (n < 50)
Zinc – within-subject	Very low	Imprecision due to low sample size (n < 50)
Hemoglobin – within-subject	Very low	Imprecision due to low sample size (n < 50)
Hemoglobin – between-subject	Very low	Imprecision due to low sample size (n < 50)
Haematocrit – within-subject	Very low	Imprecision due to low sample size (n < 50)
Generic HR-QoL – patient report – within-subject	Very low	Imprecision due to low sample size (n < 50)
Generic HR-QoL – patient report – between-subject	Very low	Imprecision due to low sample size (n < 50)
Generic HR-QoL – proxy report – within-subject	Very low	Imprecision due to low sample size (n < 50)
Generic HR-QoL – proxy report – between-subject	Very low	Imprecision due to low sample size (n < 50)
Specified HR-QoL – patient report – within-subject	Very low	Imprecision due to low sample size (n < 50)
Specified HR-QoL – patient report – between-subject	Very low	Imprecision due to low sample size (n < 50)
Specified HR-QoL – proxy report – within-subject	Very low	Imprecision due to low sample size (n < 50)
Specified HR-QoL – proxy report – between-subject	Very low	Imprecision due to low sample size (n < 50)
Parental QoL – between-subject	Very low	Imprecision due to low sample size (n < 50)

Table S8.1. Overview of the GRADE rating of each parameter. The initial rating was “low” for all parameters due to mostly observational study designs. This rating was then adjusted for reasons outlined in the last column.