

Goldberg cut-offs

The principles of the Goldberg CUT-OFF 3 are outlined below (Goldberg personal communication).

$$\text{Cut-off value} = \text{PAL} \times \exp \left[\text{SD} \times \frac{(S/100)}{\sqrt{n}} \right]$$

PAL = presumed mean PAL

SD = -2 for lower 95% cut-off

+2 for upper 95% cut-off

n = number of subjects

$S = \sqrt{[CV^2_{IW}/d + CV^2_{BW} + CV^2_{Pb}]}$

CV_{IW} = within-subject variation in EI

d = number of days of diet

CV_{BW} = variation in repeat BMR measures

CV_{Pb} = between subject variation in PAL