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Subject: Re: How to transform children's height into standardized height

Posted by [sanoussi](#) on Thu, 12 Feb 2015 08:17:10 GMT

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Thank you for your suggestion,

Am analysing health inequality based on the height of children up to 48 months of age. Because variance of height naturally increases as children get older, and because i wish to give variations in each age group equal importance in the analysis, i plan to use a transformed height measure for the inequality analysis. The transformed height measure is standardized using a fixed age/sex reference group, which in our case is girls at 24 months of age. The actual height of children in the sample is transformed to a standardized height using the distribution of heights, by age and sex, of the NCHS reference population. The standardized height measure is constructed such that the position, in terms of percentiles, is the same for actual height in the actualage/sex group and the transformed height in the reference group NCHS distribution.

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