



Model of Human Occupation

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Scoring OSA with Items Missing

Tuesday, May 27, 2008

Hello!

During my recent placement I had the opportunity to familiarize myself with OSA and found scoring OSA with items missing by eye very difficult to be consistent. If I use the following paper method I am able to yield consistent, reproducible values. In addition this method would be easily transferable to new users. I was able to reproduce the scores from the manual examples and also being able to reproduce values of fully completed forms using this method. My question is: would this be a valid way of scoring OSA's?

Method:

Step 1: starting from the top down join neighboring circles with a line and mark the mid way point with x

Step 2: starting from the bottom up draw a line between neighboring xs' and mark the mid way point with a 0.

Step 3: starting from the top down draw a line joining the Os' and again mark the mid way point.

Step 4: At this stage you should have, depending on the number of values missing, 2 to 3 final points. Now draw a vertical line through the centre of these points.

I hope I have explained this ok.
Any comments would be much appreciated.
Many thanks
Monika

Wednesday, May 28, 2008

Monika-

It sounds like you have devised a technique for ensuring a systematic and consistent approach to obtaining the "visual average"- I can't comment on whether or not your technique would be reproducible across therapists and give the same results (you have a study you could do!) but if you are being consistent, then you can at least "trust" that changes in

measures/scores that YOU derive from initial to re-evaluation are true reflections of change and unlikely to be related to rater error!

Remember, you only need to draw the line to obtain the "visual average" when there is missing data- if clients respond to all items, you only need to convert their responses to numbers and then add.

Finally, there is no published study on the data analysis used to create the OSA key forms, but the process was the same as the technique used to create the OPHI-II key forms (Kielhofner, G., Dobria, L., Forsyth, K., & Basu, S. (2005). The construction of key forms for obtaining instantaneous measures from the occupational performance history interview rating scales. *Occupational Therapy Journal of Research.*, 25, 23-32)

The MOHO Clearinghouse is submitting an abstract to present the OSA key form research at the 2009 AOTA conference, for those who are interested and/or able to attend- we will keep you posted.

Best-

Jessica