Reliable & Clinical Change Generator

Study Details

Study / Client Identifier: dfgdsf
Assessment Details: dfsgsd
Measurement Device: fd
Time 1 Score: 23
Time 2 Score: 12
Test-retest reliability of measurement device: .44
Standard deviation of sample used to estimate reliability of device: 3.2
Clinical Sample Mean: 22
Clinical Sample Standard Deviation: 3
Normal Sample Mean: 10
Normal Sample Standard Deviation: 2

Standard error of measurement: 2.39466
Standard error of the difference: 3.38656

In order to change with:
68.26% confidence (1sd), there must be a change of at least: 3.38656
95% confidence (1.96 sd), there must be a change of at least: 6.63766
99% confidence (2.58 sd), there must be a change of at least: 8.72378

Your client's score of -11 suggests that he / she:
HAS changed with at least 68.26% confidence.
HAS changed with at least 95% confidence.
HAS changed with at least 99% confidence.

Clinical Cut-Offs

(This Programme assumes that the clinical range is HIGHER than the normal range. Make the necessary adjustments to the input data, or your interpretation of the results, if this is not the case)

A). *Two standard deviations below the clinical mean is: 16*
So, has the client reliably changed (with at least 95% confidence) AND changed from being within 2 standard deviations of the clinical mean to now being 2 standard deviations below the clinical mean?

YES

B). *Two standard deviations above the normal mean is: 14*
So, has the client reliably changed (with at least 95% confidence) AND changed from being more than 2 standard deviations above the normal mean to now being within 2 standard deviations of the normal mean?

YES

C). *Mid-way between the clinical and normal distributions is: 17.2*
So, has the client reliably changed (with at least 95% confidence) AND changed clinical status according to the intersection of the clinical and normal distributions?

*The Two Samples Do Not Intersect (2SD)