Is there validity to the DCA’s structure?

The District Capacity Assessment (DCA)’s internal structure is comprised of three scales (Leadership, Competency, and Data System for Decision Making). A Confirmatory Factor Analysis confirmed that the DCA’s internal structure is adequate by examining the inter-relationships among items and their underlying constructs. The statistical analysis was completed with 663 DCA results within 27 States. Results were the following: RMSEA = .071, CFI = .93, TLI = .92.

Is the DCA internally reliable?

Internal reliability assesses the consistency of results across items within a measure. Cronbach’s alphas were computed for each of the three scales and the total score. Results demonstrated good internal consistency:

- Total Score = .91
- Leadership = .81
- Competency = .80
- Data System for Decision Making = .79

Are the DCA results reliable over time?

Test-retest reliability measures test consistency — the reliability of a test measured over time. Five local education agencies were administered the DCA twice within a two-week time period. The administrators, respondents, and the innovation focus of the measure were the same in both administrations. Results revealed good test-re-test reliability for each of the three scales:

- Leadership: r = .98
- Competency: r = .78
- Data System: r = .98

Where can I learn more about the DCA?

https://implementation.fpg.unc.edu

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