

District Capacity Assessment Technical Adequacy



An overview of the District Capacity Assessment's (DCA, V7) psychometric properties.

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 66C 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://nirn.fpg.unc.edu/resources/district-capacity-assessment-dca>

Acknowledgement:

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