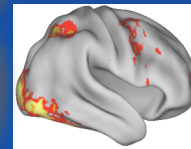


# CNTRICS



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**Cognitive Neuroscience Treatment Research  
to Improve Cognition in Schizophrenia**

# *What “Psychometric” Criteria Should We Use?*

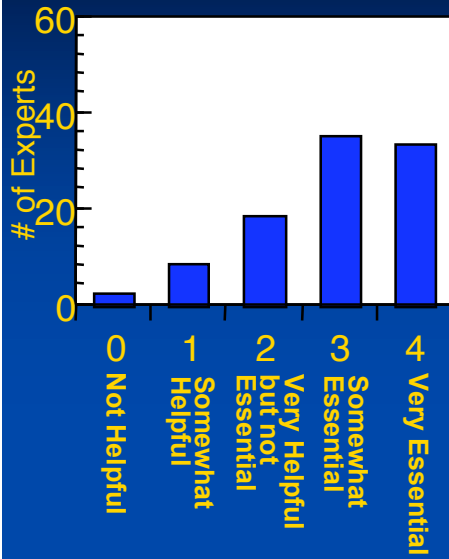
- Internal Consistency
- Test-Retest Reliability
- Alternate Form Reliability
- Short Length
- Adequate Number of Trials to Assess Construct
- Construct Validity
- Lack of Practice Effects
- Lack of Ceiling/Floor Effects

# Rating Scale

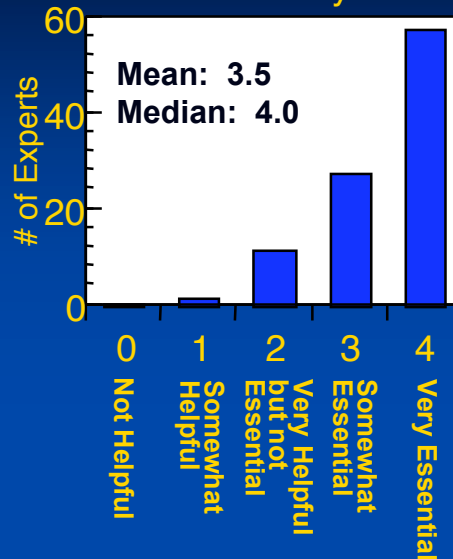
Not Necessary	Somewhat Helpful	Very Helpful But Not Essential	Somewhat Essential	Very Essential
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# Results - Small Scale Clinical Trials (Phase 1/2)

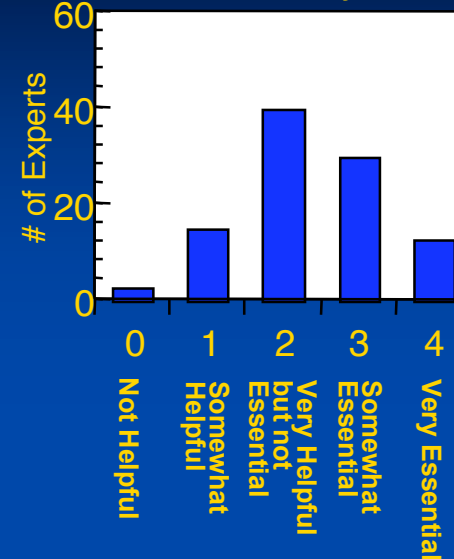
## Internal Consistency



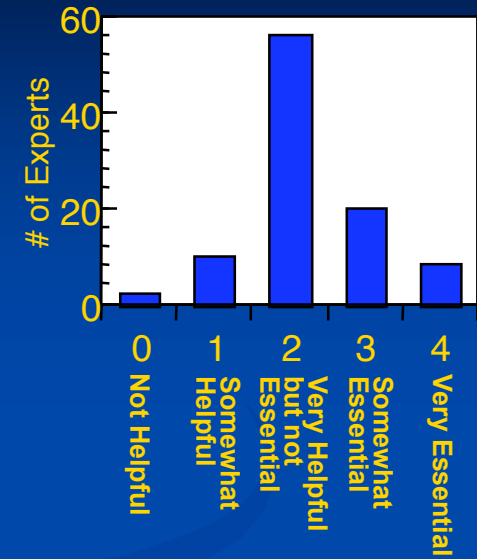
## Test-Retest Reliability



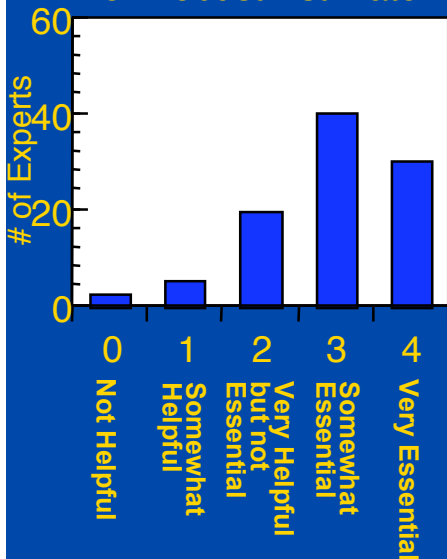
## Alternate Form Reliability



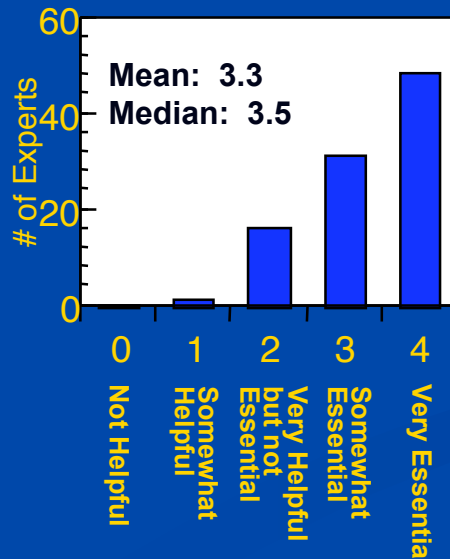
## Short Length



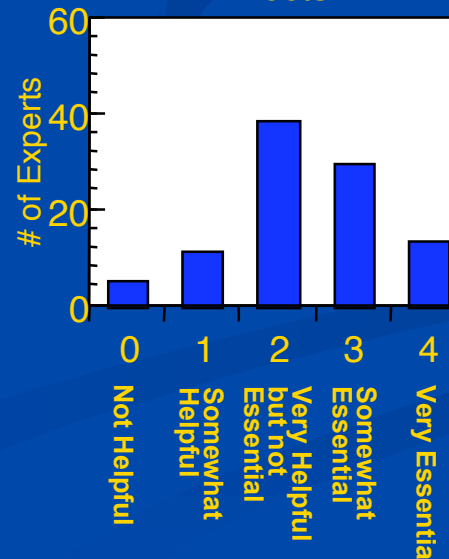
## Adequate Number of Trials for Robust Estimate



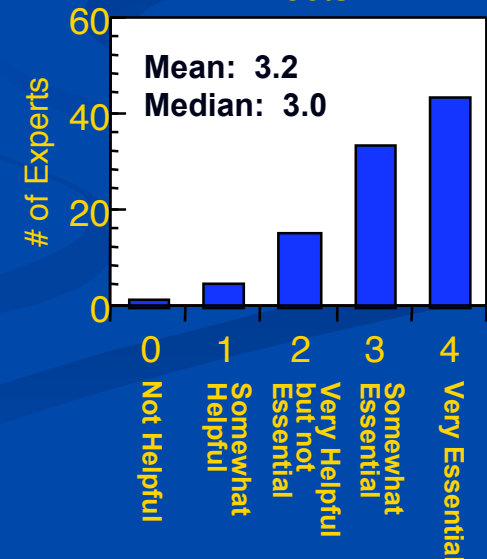
## Construct Validity



## Lack of Practice Effects

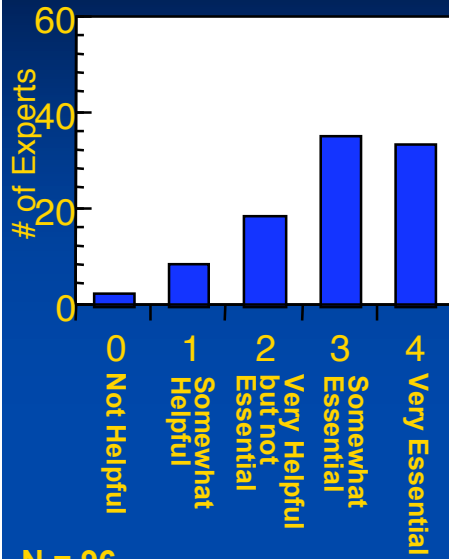


## Lack of Ceiling/Floor Effects



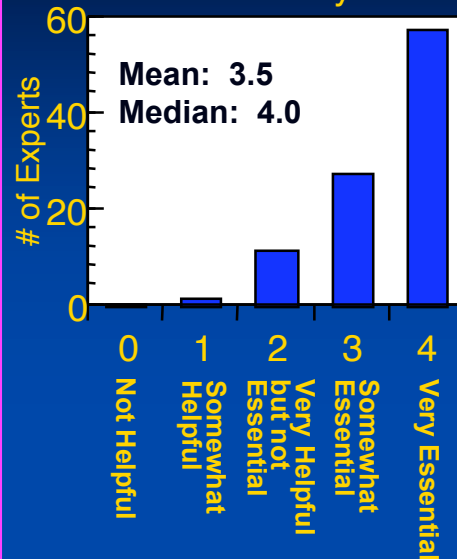
# Results - Small Scale Clinical Trials (Phase 1/2)

Internal Consistency

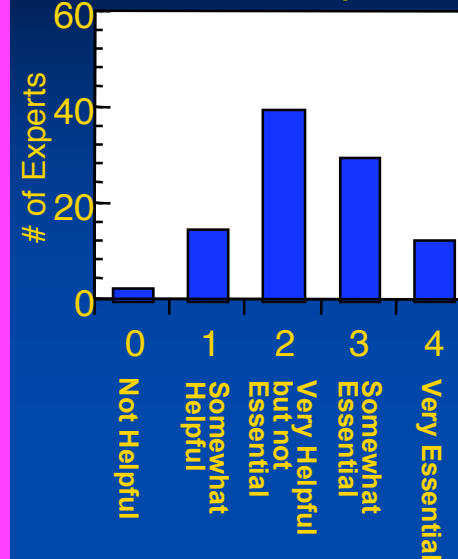


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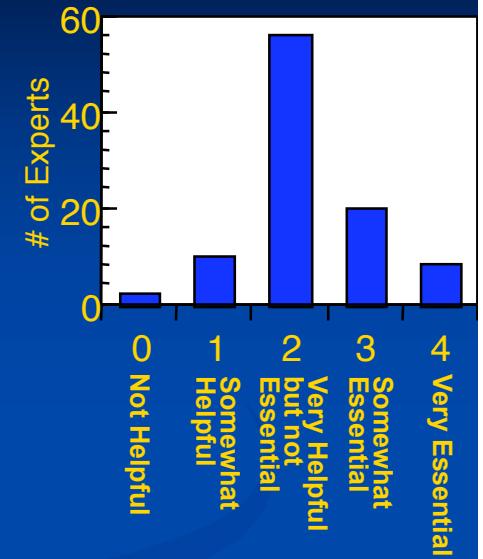
Test-Retest Reliability



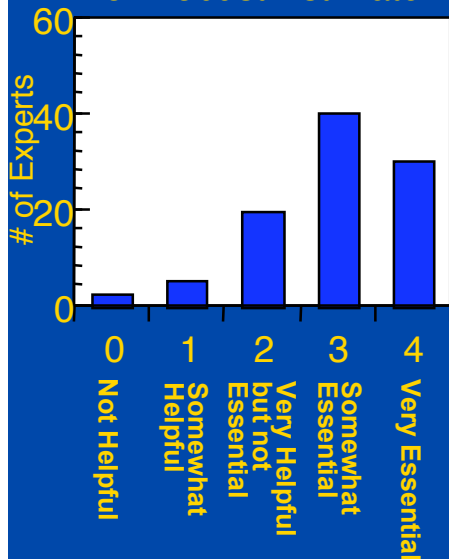
Alternate Form Reliability



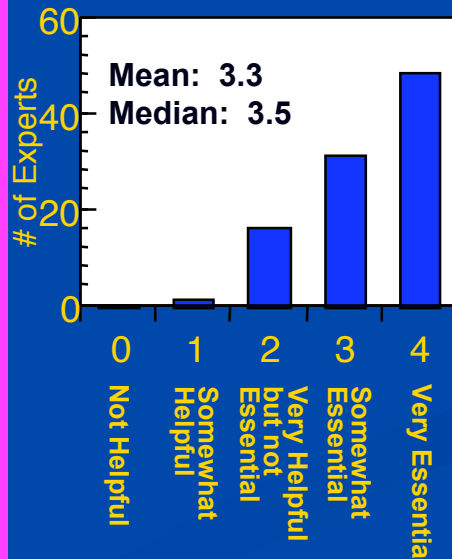
Short Length



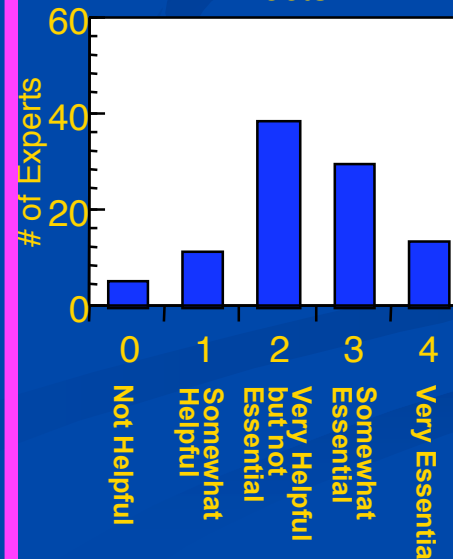
Adequate Number of Trials for Robust Estimate



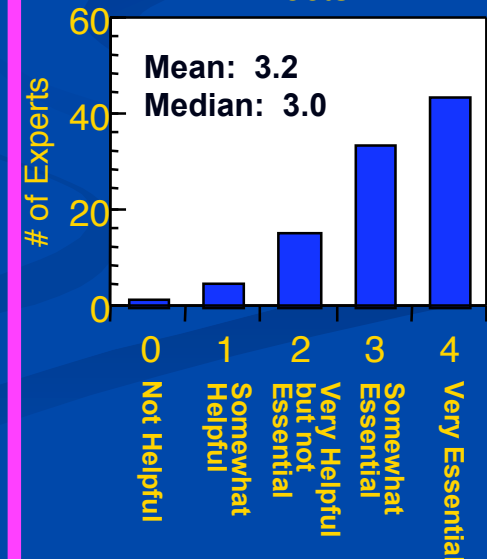
Construct Validity



Lack of Practice Effects

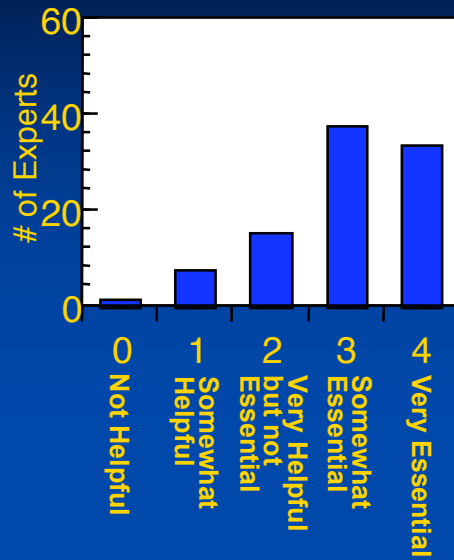


Lack of Ceiling/Floor Effects

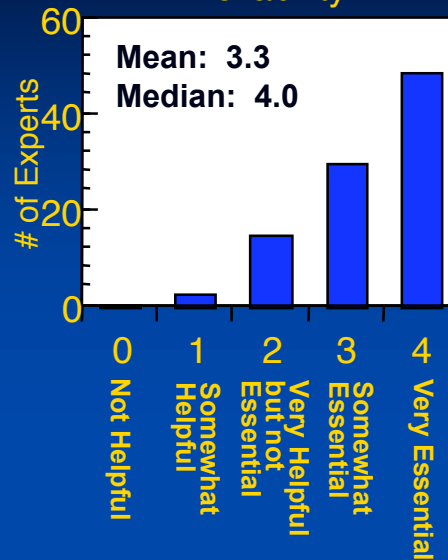


# Results - Large Scale Clinical Trials (Phase 3/4)

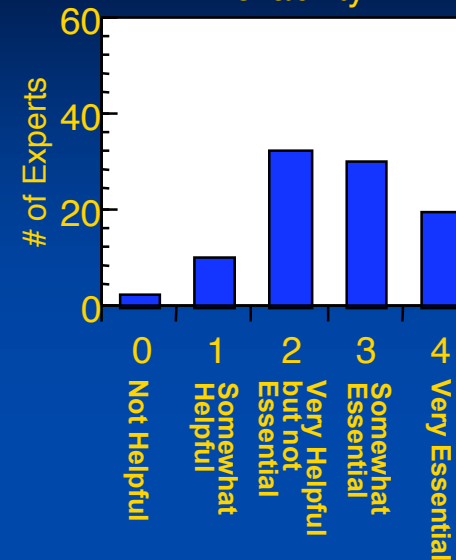
Internal Consistency



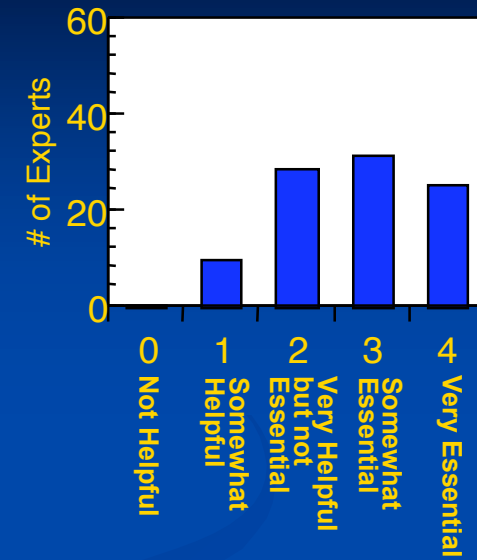
Test-Retest Reliability



Alternate Form Reliability

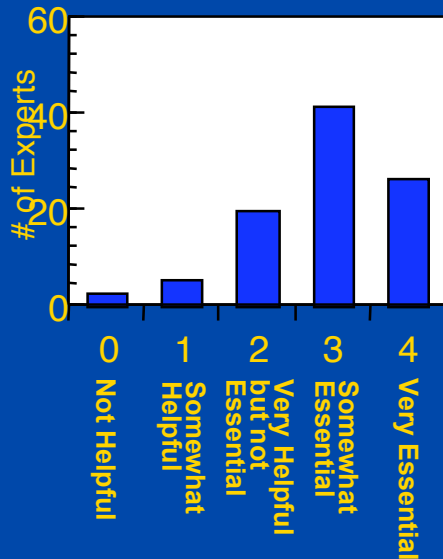


Short Length

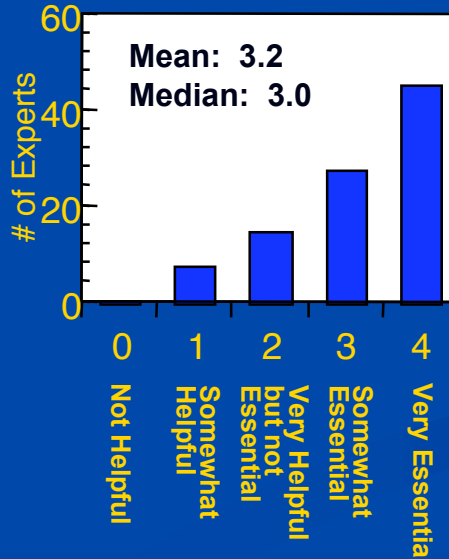


N = 96

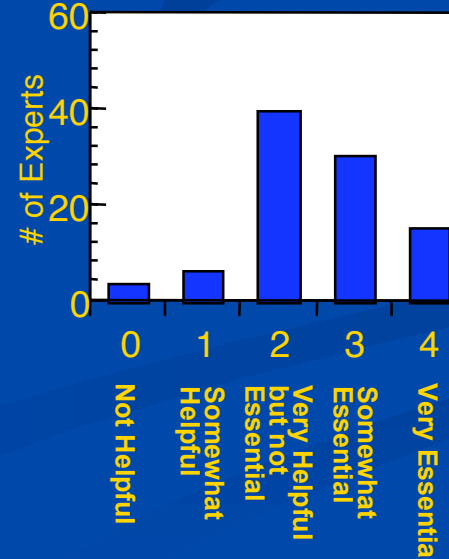
Adequate Number of Trials for Robust Estimate



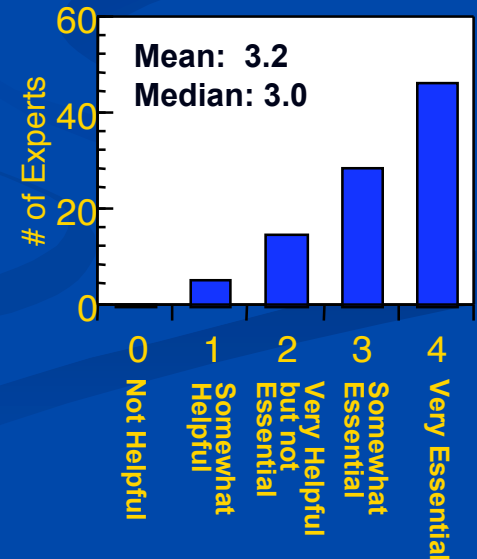
Construct Validity



Lack of Practice Effects

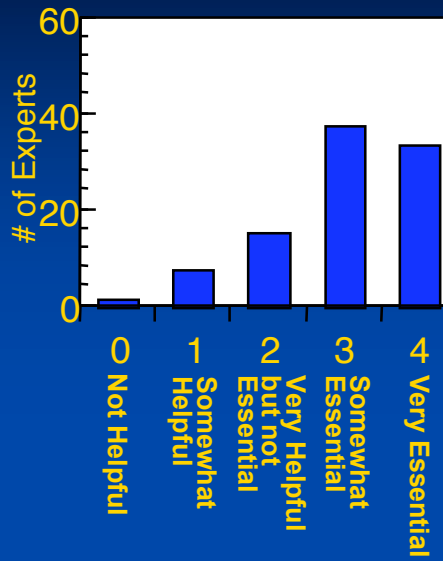


Lack of Ceiling/Floor Effects

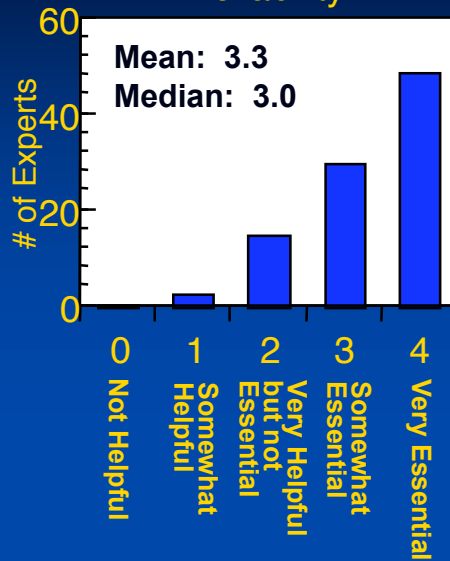


# Results - Large Scale Clinical Trials (Phase 3/4)

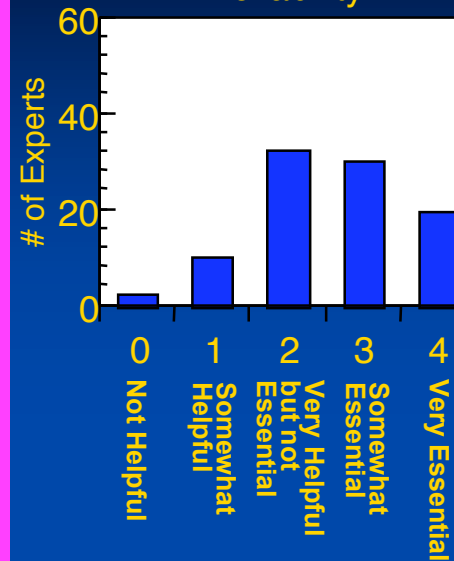
## Internal Consistency



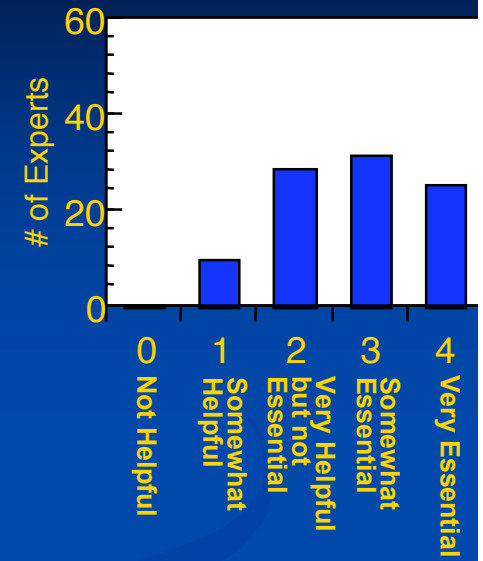
## Test-Retest Reliability



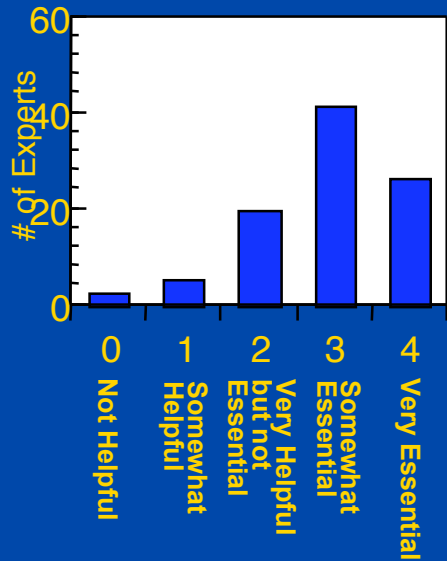
## Alternate Form Reliability



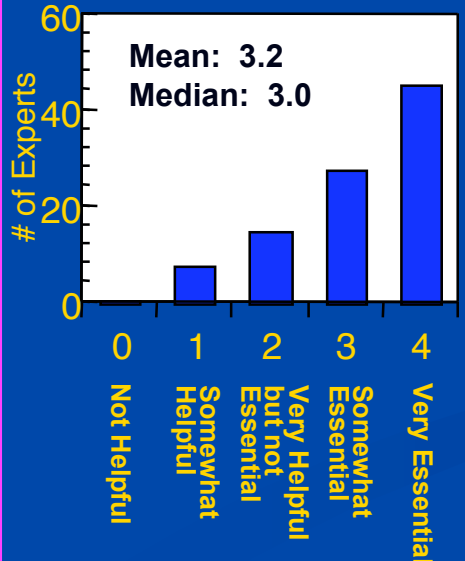
## Short Length



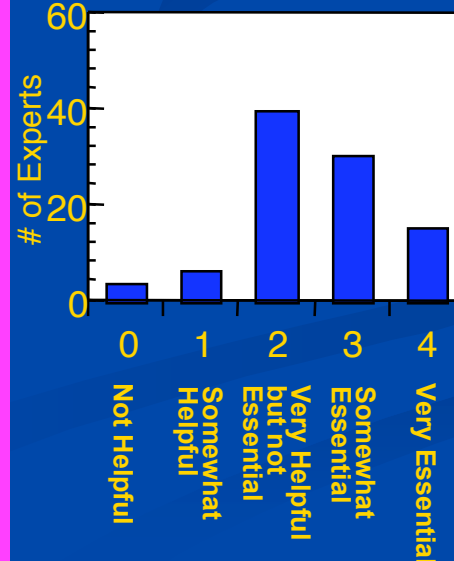
## Adequate Number of Trials for Robust Estimate



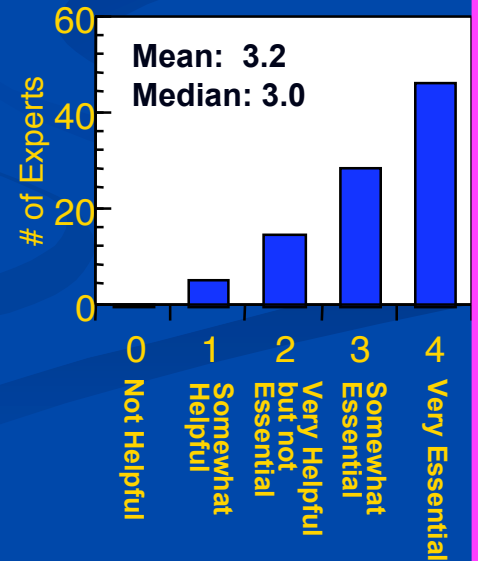
## Construct Validity



## Lack of Practice Effects



## Lack of Ceiling/Floor Effects



# Benchmark Values - Higher Confidence

Characteristic	Optimal	“Worst Acceptable”
■ Internal Consistency	.875	.60
■ Test Retest	.90	.70
■ Alternate Form	.90	.70
■ Length (in minutes)	10 min	30 min
■ Minimum # of Trials	25 Trials	10 Trials
■ Practice Effect (in SD units)	.20	.50
■ Floor Effect (% diff from 0)	25%	10%
■ Ceiling Effect (% diff from 100)	37.5%	12.5%



## *What is in your folder?*

- Survey results for total sample
- Top Two Criteria By Field (when at least 5)
- Benchmark Values For Whole Sample
- Benchmark Values For Higher Confidence