First Annual
RTI Early Childhood Summit

Measurement Panel
Hugh Catts
Amanda VanDerHeyden
Lynette Chandler
Sheri Haupert
Scott McConnell

CENTER FOR RESPONSE TO INTERVENTION IN EARLY CHILDHOOD
CRTIEC
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Our Panel Today

- Scott McConnell, University of Minnesota
- Hugh Catts, University of Kansas
- Amanda VanDerHeyden, Fairhope Alabama
- Lynette Chandler, Northern Illinois University
- Sheri Haupert, Heartland Area Education Agency, Des Moines Iowa
A Brief Introduction

- What is the basic “architecture” of assessment in EC RtI?
- What are the primary functions of assessment at different points in EC RtI?
- What are the core measurement requirements for assessment in EC RtI?
EC RtI Measurement Architecture

- **Tier One**
- **Tier Two**
- **Tier Three**

**Screening**
- **Identification**
- **Progress Monitoring**

+ [Tier One]
- [Current or Less-Intensive Tier]
- [More Intensive Tier]
+ [Current or Less-Intensive Tier]
Primary Functions of Assessment

- **Screening**
  - To efficiently identify subsets of children who might meet standard(s) for more intensive intervention

- **Identification**
  - To identify whether individual children meet standard(s) for Tier 2 or Tier 3 services in one or more domains

- **Progress Monitoring**
  - To assess whether individual children are increasing growth rates at rate sufficient to meet general outcome goals

- **[Diagnostic/Planning Assessment]**
  - To identify specific instructional goals and/or procedures to promote increased development
Psychometric Standards - General

- Time- and resource-efficient
- Reliable across time and examiners/raters
- Developmental
- Various validity standards
  - Construct or concurrent validity viz ‘criterion’ measures
  - Discriminant validity
  - Treatment validity viz T1, T2, and T3 interventions
  - Predictive validity
  - Face validity
Psychometric Standards - Specific

- **Screening**
  - Universal
  - High sensitivity

- **Identification**
  - Discriminant validity viz domain(s) of intervention
  - Indexed to decision rules

- **Progress Monitoring**
  - Repeatable within short intervals of time
  - Sensitive to growth
  - Indexed to decision rules