ASSESSMENT OF STUDENTS WITH CO-MORBID DISORDERS AND MULTIPLE ELIGIBILITIES UNDER IDEIA/ADA (1.0)

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Disclosure

• My expenses for this talk are supported by Multi-Health Systems.
• I have developed tests marketed by Multi-Health Systems, Pro-Ed and Western Psychological Services.
• I am Editor in Chief of the Journal of Attention Disorders (Sage) and Co-Editor of the Encyclopedia of Child Development (Springer)
Preschool Graduation Part I
Preschool Graduation Part II
Goals for This Session

• Place our role as evaluators in context.
• Provide an overview of development, behavior diagnosis and eligibility.
• Discuss role of impairment in assessment.
• Discuss critical variables influencing assessment.
• Provide a framework for a comprehensive assessment.
• Review tools and methods.
I Had a Revelation in St. Augustine

The World Operates Along a Normal Curve!
Not surprisingly all but two things we do as school psychologists are dimensional!

Diagnosis

Eligibility Determination
Does diagnosis equal eligibility?
The Disruptive Continuum of Behavior

- Difficult Temp.
- Attention Deficit
- Oppositional Defiance
- Conduct Disorder
The Non-disruptive Continuum of Behavior

Temperament & Development

Depression

Anxiety

Learning & Social Problems
How distinct are these disorders from each other?

Much less so than makes me comfortable!
Attention Deficit Hyperactivity Disorder

- 44.3% of children with ADHD were also diagnosed with ODD (Cuffe et al., 2015); Kessler et al. (2014) found a lifetime prevalence of 47% for ODD.
- 13.5% of children with ADHD were also diagnosed with CD (Cuffe et al., 2015); Kessler et al. (2014) found a lifetime prevalence of 22% for CD.
- In a recent study by the CDC, 59% of children with ASD were also diagnosed with ADHD (Stevens, Peng, & Barnard-Brak, 2016)
- 2% of children with ADHD were also diagnosed with Major Depressive Disorder (Cuffe et al., 2015); Kessler et al. (2014) found a lifetime prevalence of 41% for MDD/Dysthymia. For youth with MDD, researchers have found an odds ratio for an ADHD diagnosis of *2.58 (Avenevoli, Swendsen, He, Burstein, & Merikangas, 2015).
ADHD

• In a review of the literature, researchers found prevalence estimates of LD in youth with ADHD between 8% and 76%, with a median of 47% and a mean of 45.1% across studies (DuPaul, Gormley & Laracy, 2013). In a sample of youth with SLD, Margari et al. (2013) found that 33% had comorbid ADHD.

• 6.4% of children with ADHD were also diagnosed with Generalized Anxiety Disorder, 10.2% with Separation Anxiety Disorder, and 7.6% with Social Phobia (Cuffe et al., 2015); Kessler et al. (2014) found a lifetime prevalence of 35% for any anxiety disorder

*An odds ratio (OR) is a measure of association between an exposure and an outcome. The OR represents the odds that an outcome will occur given a particular exposure, compared to the odds of the outcome occurring in the absence of that exposure.
Oppositional Defiant Disorder

• For individuals with ODD, researchers have found a lifetime prevalence of 42% for Conduct Disorder (Nock, Kazdin, Hiripi, & Kessler, 2007)
• For individuals with ODD, researchers have found a lifetime prevalence of 42% for Conduct Disorder (Nock, Kazdin, Hiripi, & Kessler, 2007)
• For youth with ASD, a systematic review revealed prevalence estimates for ODD from 4% to 37% (Kaat & Lecavalier, 2013).
ODD

- For individuals with ODD, researchers have found a lifetime prevalence of 39% for Major Depressive Disorder
- (Nock, Kazdin, Hiripi, & Kessler, 2007) In a study of Finnish adolescents with ODD/CD, researchers found that 55% of girls and 65% of boys had either a reading or math disorder (Lehto-Salo, Närhi, Ahonen & Marttunen, 2009).
- For individuals with ODD, researchers have found a lifetime prevalence of 62% for any anxiety disorder (Nock, Kazdin, Hiripi, & Kessler, 2007)
Conduct Disorder

- 13.5% of children with ADHD were also diagnosed with CD (Cuffe et al., 2015); Kessler et al. (2014) found a lifetime prevalence of 22% for CD.
- For individuals with ODD, researchers have found a lifetime prevalence of 42% for Conduct Disorder (Nock, Kazdin, Hiripi, & Kessler, 2007)
- For youth with ASD prevalence estimates for CD range from 1% to 10% (Kaat & Lecavalier, 2013).
CD

• For youth with MDD, researchers have found an odds ratio for a behavior disorder (ODD or CD) diagnosis of 4.20 (Avenevoli, Swendsen, He, Burstein, & Merikangas, 2015).

• In a study of Finnish adolescents with ODD/CD, researchers found that 55% of girls and 65% of boys had either a reading or math disorder (Lehto-Salo, Närhi, Ahonen & Marttunen, 2009).

• Youth with CD are at elevated risk for anxiety disorders, with odds ratios of 3.54 for phobias, 3.27 for social anxiety, and 3.46 for generalized anxiety disorder (Marmorstein, 2007).
Autism Spectrum Disorder

• In a recent study by the CDC, 59% of children with ASD were also diagnosed with ADHD (Stevens, Peng, & Barnard-Brak, 2016)

• For youth with ASD, a systematic review revealed prevalence estimates for ODD from 4% to 37% (Kaat & Lecavalier, 2013).

• For youth with ASD prevalence estimates for CD range from 1% to 10% (Kaat & Lecavalier, 2013).
**ASD**

- A review of the literature revealed wide variation in the estimated rates of depression in children with ASD, ranging from 1.4% to 38% (Magnuson & Constantino, 2011).
- In a sample of children with ASD, Stacy et al., (2014) found that 75% of girls and 72% of boys had a current co-morbid learning disorder.
- Simonoff et al. (2008) found that, among children with ASD, 13% had co-morbid generalized anxiety disorder and 42% had any type of anxiety disorder.
Depression

• 2% of children with ADHD were also diagnosed with Major Depressive Disorder (Cuffe et al., 2015); Kessler et al. (2014) found a lifetime prevalence of 41% for MDD/Dysthymia. For youth with MDD, researchers have found an odds ratio for an ADHD diagnosis of 2.58 (Avenevoli, Swendsen, He, Burstein, & Merikangas, 2015).

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Depression

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- In a sample of youth with SLD, Margari et al. (2013) found that 9% had a co-morbid mood disorder.
- For youth with MDD, researchers have found an odds ratio for an anxiety disorder diagnosis of 3.96 (Avenevoli, Swendsen, He, Burstein, & Merikangas, 2015). A review indicated that 25% to 50% of youth with depression have a co-morbid anxiety disorder and 10% to 15% of youth who have an anxiety disorder have co-morbid depression (Garber & Weersing, 2010).
Learning Disorders

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• In a sample of youth with SLD, Margari et al. (2013) found that 29% had a co-morbid anxiety disorder.
Anxiety

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Special Education Legislative History

• 1975 — The Education for All Handicapped Children Act (EAHCA) became law. It was renamed the Individuals with Disabilities Education Act (IDEA) in 1990.


• 1997 — IDEA received significant amendments. The definition of disabled children expanded to include developmentally delayed children between three and nine years of age. It also required parents to attempt to resolve disputes with schools and Local Educational Agencies (LEAs) through mediation, and provided a process for doing so. The amendments authorized additional grants for technology, disabled infants and toddlers, parent training, and professional development. (Pub. L. No. 105-17, 111 Stat. 37).
• 2004—On December 3, 2004, IDEA was amended by the Individuals With Disabilities Education Improvement Act of 2004, now known as IDEIA. Several provisions aligned IDEA with the No Child Left Behind Act of 2001, signed by President George W. Bush. It authorized fifteen states to implement 3-year IEPs on a trial basis when parents continually agree. Drawing on the report of the President's Commission on Excellence in Special Education,[46] the law revised the requirements for evaluating children with learning disabilities. More concrete provisions relating to discipline of special education students was also added. (Pub. L. No. 108-446, 118 Stat. 2647).

• 2009—Following a campaign promise for "funding the Individuals with Disabilities Education Act",[47] President Barack Obama signed the American Recovery and Reinvestment Act of 2009 (ARRA) on February 17, 2009, including $12.2 billion in additional funds.

• 2009—Americans with Disabilities Amendments Act was signed into law in September 2008 and became effective on January 1, 2009
Six Foundations of IDEA

• Individualized Education Program
• Free Appropriate Public Education
• Least Restrictive Environment
• Appropriate Evaluation
• Parent and Teacher Participation
• Procedural Safeguards
IDEA

Children are placed in special education services through an evaluation process. If the evaluation is not appropriately conducted, or does not monitor the information that is needed to determine placement it is not appropriate.

The goal of IDEA’s regulations for evaluation is to help minimize the number of misidentifications, to provide a variety of assessment tools and strategies, to prohibit the use of any single evaluation as the sole criterion of which a student is placed in special education services, and to provide protections against evaluation measures that are racially or culturally discriminatory.

Overall, the goal of appropriate evaluation is to get students who need help, extra help that is appropriate for the student and helps that specific student to reach his or her goals set by the IEP team.
Eligible

adjective
having the right to do or obtain something; satisfying the appropriate conditions.
"customers who are eligible for discounts" 

synonyms: entitled, permitted, allowed, qualified, able
"those people eligible to vote"
(of a person) desirable or suitable as a partner in marriage.
"the world's most eligible bachelor"

synonyms: desirable, suitable;
Diagnosis

Medicine/Medical. the process of determining by examination the nature and circumstances of a diseased condition.

the decision reached from such an examination.
Eligibilities Under The School Psychologist’s Direct Consideration

- Emotional Disturbance (depression/anxiety related conditions, social impairments, schizophrenia)
- Autism
- Language
- Intellectual
- Specific Learning Disorder
- Other Health Impairment (ADHD)
Eligibilities Under The School Psychologist’s Indirect Consideration

- Other Health Impairment (e.g. diabetes)
- Orthopedics
- Hearing
- Vision
§ 3030. Eligibility Criteria.

5 CA ADC § 3030
BARCLAYS OFFICIAL CALIFORNIA CODE OF REGULATIONS

Barclays Official California Code of Regulations Currentness
Title 5. Education
Division 1. California Department of Education
Chapter 3. Individuals with Exceptional Needs
Subchapter 1. Special Education
Article 3.1. Individuals with Exceptional Needs

(7) Multiple disabilities means concomitant impairments, such as intellectual disability-blindness or intellectual disability-orthopedic impairment, the combination of which causes such severe educational needs that they cannot be accommodated in special education programs solely for one of the impairments. “Multiple disabilities” does not include deaf-blindness.

(6) Intellectual disability means significantly subaverage general intellectual functioning, existing concurrently with deficits in adaptive behavior and manifested during the developmental period that adversely affects a child's educational performance.
Colorado

A child with Multiple Disabilities shall have two or more areas of significant impairment, one of which shall be an intellectual disability. The other areas of impairment include: Orthopedic Impairment; Visual Impairment, Including Blindness; Hearing Impairment, Including Deafness; Speech or Language Impairment; Serious Emotional Disability; Autism Spectrum Disorders; Traumatic Brain Injury; or Other Health Impaired. The combination of such impairments creates a unique condition that is evidenced through a multiplicity of severe educational needs which prevent the child from receiving reasonable educational benefit from general education.
Multiply disabled" corresponds to "multiply handicapped" and “multiple disabilities,” and means the presence of two or more disabling conditions, the combination of which causes such severe educational needs that they cannot be accommodated in a program designed solely to address one of the impairments.

Multiple disabilities includes cognitively impaired-blindness, cognitively impaired-orthopedic impairment, etc. The existence of two disabling conditions alone shall not serve as a basis for a classification of multiply disabled. Eligibility for speech-language services as defined in this section shall not be one of the disabling conditions for classification based on the definition of "multiply disabled." Multiply disabled does not include deaf-blindness.
"Multiple disabilities" means concomitant impairments, such as intellectual disability-blindness or intellectual disability-orthopedic impairment, the combination of which causes such severe educational problems that the student cannot be accommodated in special education programs solely for one of the impairments. (b) "Multiple disabilities" does not include students with deaf-blindness.
Determining eligibility is an outcome best understood and obtained by a thorough assessment.
How Shall We Understand, Define and Categorize Mental Illness?

• By etiology or cause?
• By emotions, behaviors and thoughts?
• By impaired function in activities of life?
What is the Goal of a Comprehensive Evaluation?

- Identify and define symptoms?
- Identify and define strengths and weaknesses?
- Appreciate the relationship of a set of symptoms to a unitary condition?
- Meet eligibility criteria?
- Define limits of functional impairment to set a baseline for intervention?
Components of a Thorough Assessment

• History
• Broad Spectrum Questionnaires (Parent and Teacher)
• Narrow Spectrum Questionnaires (Parent and Teacher)
• Self report Questionnaires
• Ability Assessment
• Achievement Assessment
• Clinical Assessment (e.g. ASD, personality, etc.)
• Interview with student
General Guidelines for a Comprehensive School Psychology Evaluation

• A distinction should be made between acute vs. chronic problems.
• Assessment should be strength focused.
• Test results should be presented in ways that are useful to consumers (e.g. family, school, etc.).
• The least amount of assessment needed to answer referral questions should be completed.
Person Attributes Associated With Successful Coping*

- Affectionate, engaging temperament.
- Sociable.
- Autonomous.
- Above average IQ.
- Good reading skills.
- High achievement motivation.
- Positive self-concept.
- Impulse control.
- Internal locus of control.
- Planning skills.
- Faith.
- Humorous.
- Helpfulness.

* Replicated in 2 or more studies
Environmental Factors Associated With Successful Coping*

- Smaller family size.
- Maternal competence and mental health.
- Close bond with primary caregiver.
- Supportive siblings.
- Extended family involvement.
- Living above the poverty level.
- Friendships.
- Supportive teachers.
- Successful school experiences.
- Involvement in pro-social organizations.

*Replicated in 2 or more studies.
The pathways that lead to positive adaptation despite high risk and adversity are complex and greatly influenced by context therefore it is not likely that we will discover a magic (generic) bullet.
Critical Issues

- Demographics
- Symptoms vs. consequences
- Categories vs. dimensions
- Eligibility vs. diagnosis
- Developmental pathways: accept a moment in time
- There are no shortcuts
- Assess the environment
Critical Issues

• Assess for intervention
• Understand positive and negative predictive power
• Understand sensitivity vs. specificity
• Begin with the disruptive/non-disruptive continuum
• Keep low incidence problems in mind
• Consider resilience (protective) factors
• Measure impairment
Why is the assessment of impairment critical to a comprehensive evaluation?
An exhaustive review of the literature demonstrates that the relationship between symptoms and functioning remains unexpectedly weak and often bidirectional (McKnight and Kashdan, 2009).
Need

• Clinicians are required to demonstrate the impact psychological and psychiatric diagnoses have on children and adults.
• There is a clear need to measure “impairment” when using the IDEIA, Diagnostic and Statistical Manual of the American Psychiatric Association (DSM) or the International Classification of Diseases (ICD) as a guide to eligibility determination and/or diagnosis.
• The need to measure impairment is increasing.
Impairment is the reduced ability to meet the demands of life because of a psychological, physical, or cognitive condition.
SYMPTOMS VS. IMPAIRMENT

Impairment is not the same as symptoms

- Symptoms are physical, cognitive or behavioral manifestations of a disorder.
- Impairments are the functional consequences of these symptoms.

Inattention

Difficulty completing homework
Impairment can exist absent of formal diagnosis. (Balazs et al., 2013; Wille et al., 2008)

In one study 14.2% of a sample of children were significantly impaired without a formal diagnosis. (Angold et al., 1999)
How does impairment differ from adaptive behavior?
A skill deficit occurs when a person does not know how to perform an everyday task, whereas a deficit in performance occurs when an individual has acquired a skill, yet does not seem to use it when needed.

(Ditterline & Oakland, 2009)
Thus, while measures of adaptive behavior emphasize the presence of adaptive skills in daily functioning, measures of functional impairment tend to emphasize the outcome of a behavior or the performance of an individual rather than the presence or absence of the skill.

Ditterline & Oakland (2009); Dumas et al. 2010); Gleason & Coster (2012)
Adaptive Behavior vs. Impairment

Skill vs. Performance

Do you know HOW to do it?

Do you ACTUALLY do it?
Adaptive Behavior vs. Impairment

Using utensils

Not using utensils to eat
Child with a Disability
IDEIA defines this term as follows:

• (a) General. (1) Child with a disability means a child evaluated in accordance with §§300.304 through 300.311 as having an intellectual disability**, a hearing impairment (including deafness), a speech or language impairment, a visual impairment (including blindness), a serious emotional disturbance (referred to in this part as “emotional disturbance’’), an orthopedic impairment, autism, traumatic brain injury, an other health impairment, a specific learning disability, deaf-blindness, or multiple disabilities, and who, by reason thereof, needs special education and related services.
Child with a Disability
IDEIA defines this term as follows:

• (2)(i) Subject to paragraph (a)(2)(ii) of this section, if it is determined, through an appropriate evaluation under §§300.304 through 300.311, that a child has one of the disabilities identified in paragraph (a)(1) of this section, but only needs a related service and not special education, the child is not a child with a disability under this part.
Symptoms vs. Impairment

Inattention

VS.

Difficulty completing homework
Relationship Between The RSI And Other Measures

RSI Total Score

Adaptive Behavior
- Adaptive Behavior Assessment System-II: -.54

Psychopathology
- Conners CBRS — Content Scales: .26
- Conners CBRS — Symptom Scales: .29

Social-Emotional Competency
- Devereux Student Strength Assessment: -.71

Ability & Achievement
- Wechsler Intelligence Scale for Children-IV: -.05
- Woodcock Johnson III Tests of Achievement: -.06
- Cognitive Assessment System: -.03

Executive Function
- Comprehensive Executive Function Inventory: -.78
Relationship Between The RSI And Other Impairment Measures

• RSI and the Barkley Functional Impairment Scale (BFIS–CA)
  – Child Sample corrected $r = .55$ to $.67$
  – Youth Sample corrected $r = .63$ to $.71$

• RSI and the Children’s Global Assessment Scale (CGAS)
  – Corrected $r = -.34$ to $-.51$
Begin with history, impairment measure and a broad spectrum rating like the Conners Behavior Rating Scale
Content: Scales & Subscales

Emotional Distress → Upsetting Thoughts\(^1\); Worrying\(^1\); Upsetting Thoughts/Physical Symptoms\(^2\); Social Anxiety\(^2\)

Defiant/Aggressive Behaviors

Academic Difficulties

Social Problems\(^1\)

Separation Fears\(^2\)

Hyperactivity\(^5\)/Impulsivity

Perfectionist & Compulsive Behaviors\(^4\)

Physical Symptoms

\(^1\) Within Emotional Distress scale on Conners CBRS-P; \(^2\) Within Emotional Distress scale on Conners CBRS-T; \(^3\) Subscale of Academic Difficulties scale; \(^4\) Scale on Conners CBRS-P & CBRS-T forms only; \(^5\) Scale on Conners CBRS-T form only.
DSM Scales

ADHD Inattentive

ADHD Hyperactive-Impulsive

ADHD Combined

Conduct Disorder

Oppositional Defiant Disorder

Major Depressive Disorder

Manic Episode

Mixed Episode

Autism Spectrum Disorder

Generalized Anxiety Disorder

Separation Anxiety Disorder

Social Phobia

Obsessive-Compulsive Disorder

1Scale on Conners CBRS-P & CBRS-T forms only.
Other Clinical Indicators

Bullying Perpetration
Bullying Victimization
Enuresis/Encopresis\(^1\)
Panic Attack
Pervasive Developmental Disorder\(^3\)

\(^1\) Scale Conners CBRS-P & CBRS-T forms only; \(^2\) Scales on Conners CBRS-P & CBRS-SR forms only; \(^3\) Scales on Conners CBRS-SR form only.

Pica\(^2\)
Post-Traumatic Stress Disorder
Specific Phobia
Tics
Trichotillomania
Obtain a Thorough History

- Immediate and extended family risks.
- Pregnancy and delivery
- Infancy and toddlerhood (temperament)
- Preschool and school history
- Socialization
- Family relations
- Sleep, appetite and hygiene
- Past treatments or educational services
- Discipline
- Situational problems
Decide on Narrow Spectrum Questionnaires

- Anxiety
- Depression
- Autism Spectrum
- Resilience
- Executive Functioning
- Personality
Autism Spectrum
Autism Spectrum Rating Scales Forms

FULL-LENGTH FORMS
- ASRS (2-5) Ages 2-5 Years (70 items)
- ASRS (6-18) Ages 6-18 Years (71 items)

SHORT FORMS
- ASRS Short (2-5) (15 items)
- ASRS Short (6-18) (15 items)

Total Score

ASRS Scales
- Social/Communication
- Unusual Behaviors

Treatment Scales
- Peer Socialization
- Adult Socialization
- Social/Emotional Reciprocity
- Atypical Language
- Stereotypy
- Behavioral Rigidity
- Sensory Sensitivity
- Attention/Self-Regulation

DSM 5
ASRS Validity for ages 2-5 Parents

ASD by Parents & Teachers

Clinical

Gen Pop

74
ASRS Validity: Ages 6-18 Parents

Graph showing the comparison between ASD, ADHD, Clinical, and Gen Pop in terms of Total Score, Self-Regulation, Adult Socialization, Stereotypy, and Attention.
Anxiety
MASC 2 Scales

- Separation Anxiety/Phobias: 84
- GAD Index: 66
- Social Anxiety: Total: 50
- Humiliation/Rejection: 48
- Performance Fears: 54
- Obsessions & Compulsions: 54
- Physical Symptoms: Total: 82
- Panic: 80
- Tense/Restless: 77
- Harm Avoidance: 62

T-score
Depression
Scale Structure: Parent and Teacher

**Total Score**
- Parent: 17 items
- Teacher: 12 items

**Emotional Problems**
- Parent: 9 items
- Teacher: 5 items

**Functional Problems**
- Parent: 8 items
- Teacher: 7 items

4-point Likert-type rating: 0=“Not at All” ; 3=“Much or Most of the Time”
Scale Structure: Self-Report (Full Length)

Total Score (all 28 items)

- Emotional Problems (15 items)
  - Negative Mood/Physical Symptoms (9 items)
  - Negative Self-Esteem (6 items)
- Functional Problems (13 items)
  - Interpersonal Problems (5 items)
  - Ineffectiveness (8 items)
CDI-2 Self-Report

Each sentence is given either 0, 1, or 2 points.
Executive Functioning
CEFI Scales

Each form yields a **Full Scale** score and 9 separate content scales which contain items as follows...
Group Differences: ADHD (Naglieri & Goldstein, 2013)

![Graph showing differences between ADHD and control groups for Parent, Teacher, and Self-Report assessments.](image)

### Table 8.19 Differences Between ADHD and Matched General Population Samples: CEFI Full Scale

<table>
<thead>
<tr>
<th>Form</th>
<th>ADHD</th>
<th>Matched Gen. Pop.</th>
<th>d-ratio</th>
<th>F (df)</th>
<th>P</th>
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<td>Parent</td>
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<tr>
<td>M</td>
<td>83.1</td>
<td>103.9</td>
<td>-1.59</td>
<td>216.56 (1,340)</td>
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<td>13.0</td>
<td>13.0</td>
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<td>N</td>
<td>171</td>
<td>171</td>
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<tr>
<td>Teacher</td>
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</tr>
<tr>
<td>M</td>
<td>86.7</td>
<td>101.1</td>
<td>-1.07</td>
<td>79.93 (1,278)</td>
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<tr>
<td>SD</td>
<td>13.5</td>
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<td>N</td>
<td>138</td>
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<td>Self-Report</td>
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<tr>
<td>M</td>
<td>91.2</td>
<td>100.3</td>
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<td>22.21 (1,232)</td>
<td>&lt; .093</td>
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<tr>
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<tr>
<td>N</td>
<td>117</td>
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</table>

Note: ADHD = Attention-Deficit/Hyperactivity Disorder; Gen. Pop. = General Population.
Group Differences: ASD  

(Naglieri & Goldstein, 2013)

Table 8.20 Differences Between ASD and Matched General Population Samples: CEFI Full Scale

<table>
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<th>Form</th>
<th>ASD</th>
<th>Matched Gen. Pop.</th>
<th>d-ratio</th>
<th>F (df)</th>
<th>P</th>
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<td>Parent</td>
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<td>M</td>
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<tr>
<td>SD</td>
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<td>12.2</td>
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<td>&lt; .001</td>
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Group Differences: Learning Disabilities
(Naglieri & Goldstein, 2013)

Table 8.22 Differences Between LD and Matched General Population Samples: CEFI Full Scale

<table>
<thead>
<tr>
<th>Form</th>
<th>LD</th>
<th>Matched Gen. Pop.</th>
<th>d-ratio</th>
<th>F (df)</th>
<th>p</th>
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<tr>
<td>M</td>
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<td>103.9</td>
<td>-0.92</td>
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<tr>
<td>Teacher</td>
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<tr>
<td>M</td>
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<td>100.6</td>
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<td>37.29 (1, 178)</td>
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Group Differences: Mood Disorders

(Naglieri & Goldstein, 2013)

Table 8.21 Differences Between Mood Disorder and Matched General Population Samples: CEFI Full Scale

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<tr>
<th>Form</th>
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Resilience
Efforts to Measure Resilience in Clinical Practice

- Devereux Elementary Student Strength Assessment (81 item rating scale).
- Devereux Early Childhood Assessment. (45 items).
- Resiliency Scales for Children and Adolescents (60 + item rating scales).
- Psychological Resilience Scale (25 items).
Assessment of Risk

• Risky Behaviors
• Protective Behaviors
• Risky Behaviors
  – Bullying
  – Delinquency
  – Health
  – Sexual
  – Substance Abuse
  – Suicide
Ability and Achievement
PASS Theory

- **PASS** theory is a way to define functioning based on measuring neuropsychological abilities
- **Planning** = Getting from point A to Point B
- **Attention** = Attending to details
- **Simultaneous** = Solving problems
- **Successive** = Following a sequence
The Brain as PASS

PASS: A neuropsychological approach to the Brain based on three Functional Units described by A. R. Luria (1972)

- **Planning**: The “How To”, cognitive control, use of processes and knowledge, intentionality
- **Attention**: Focused cognitive activity and resistance to distraction
- **Simultaneous & Successive Processing**: Two forms of processing information
PASS Theory: Planning

- **Planning** is a neurocognitive ability that a person uses to determine, select, and use efficient solutions to problems
  - developing plans and using strategies
  - retrieval of knowledge
  - impulse control and self-control
  - control of processing
Knowledge and Planning Learning Curves

- Learning depends upon instruction and intelligence (PASS)
- At first, PASS plays a major role in learning
- When a new task is learned and practiced it becomes a skill and execution requires less PASS

Role of Planning

Role of Knowledge and Skills

Maximum Use

Minimum Use

Novel Task

Well Learned Task

Over time and with experience
Ability Profiles

PASS Processing Scores

- ADHD
- ASD
- SLD
Organizing the Data

• A day in the life.
• Ability/Knowledge/Skill
• Risk and Protective factors
• Determining eligibility
• Suggesting possible diagnoses
• Recommending needs
• Considering continuum of services
Multiple Handicap or Primary/Secondary?
ADOPT A LEARNING TO RIDE A BICYCLE MINDSET!
TEDx

Sam Goldstein, Ph.D.
sam@samgoldstein.com

The Power Of Resilience

https://www.youtube.com/watch?v=isfw8JJ-eWM&feature=youtube_gdata