Choosing the Right Tools: Smarter Psychological Testing in Child Assessments



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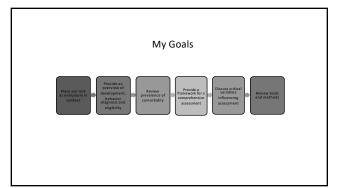


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Disclosure

- My expenses for this talk are supported by Multi-Health Systems.
- I have developed tests marketed by Multi-Health Systems, Pro-Ed, Guinti Psychometrics and Western Psychological Services.
- I have authored books marketed by Springer, Wiley, Guilford, Double Day, McGraw Hill, Brookes, Kluwer and Specialty Press.
- I am past Editor in Chief of the Journal of Attention Disorders (Sage) and Co-Editor of the Encyclopedia of Child Development (Springer)

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Objectives

Participants will be able to articulate a comprehensive framework for understanding children's emotional, behavioral, and developmental challenges.

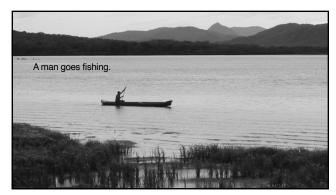
Participants will learn to distinguish between broad and narrow-band psychological tests and identify their appropriate uses in child assessments.

Participants will gain the skills to select and apply psychological tests, which will provide a broad overview of a child's psychological profile.

Participants will be able to choose specific tests to explore in-depth conditions such as Autism, depression, anxiety, and learning disabilities.

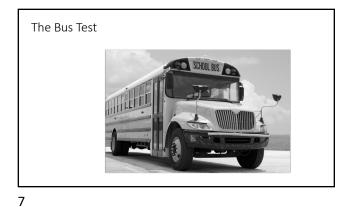
Participants will enhance their decision-making abilities in psychological assessments, ensuring a balanced and practical approach to evaluating children's needs.

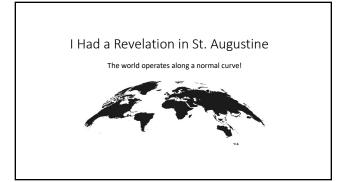
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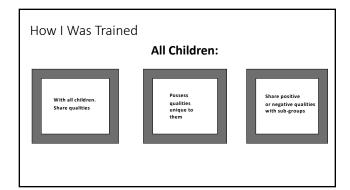


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Goldstein Developmental Continuum

- The Goldstein Developmental Continuum (GDC) was born out of my desire to provide a more flexible and nuanced understanding of children's behavior that moves beyond rigid diagnostic categories and legal frameworks.
- frameworks.

 In my 40-plus years of experience working with children, I have observed that their behavior is rarely fixed or pathological; rather, it exists on a spectrum, influenced by developmental stages, environmental factors, and the challenges they face in their everyday lives.

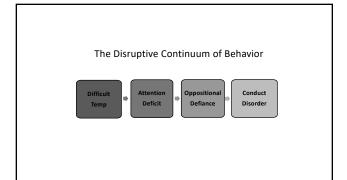
 The continuum approach recognizes that behavior fluctuates and that early, context-sensitive interventions can help prevent more severe issues from developing.

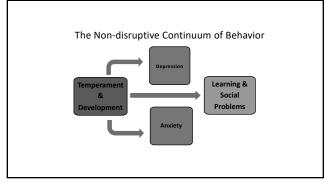
 By focusing on developmental appropriateness and environmental influences, this model allows for a more holistic understanding of children's behavior, promoting early intervention and reducing the likelihood of mislabeling children with mental health disorders.

 My aim with the continuum is to be he deteased.

- My aim with the continuum is to help educators, clinicians, and parents move beyond binary labels of disruptive' or hon-disruptive' and instead focus on creating environments that support positive behavior and emotional growth.

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Understand the "Why" Before the "What" of Psychological Testing

- Types of child assessments (cognitive, behavioral, developmental, neuropsychological)
 Referral questions: academic performance, behavioral issues,
- developmental delays, etc. Ethical considerations (e.g., consent, cultural sensitivity, test
- Smarter assessment ≠ more tests; it means **purposeful** testing

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How Shall We Understand, Define and Categorize Mental Illness and Developmental Problems?



- By etiology or cause?
- By emotions, abilities, behaviors and thoughts?
- By impaired function in activities of

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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 partne in marriage. "The world's most eligible bachelor"

Sunanums: desirable suitable



Determining eligibility is an outcome be understood and obtained by a thorough assessment.

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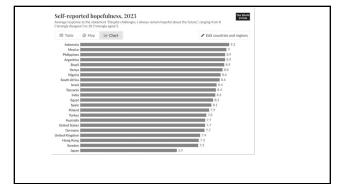


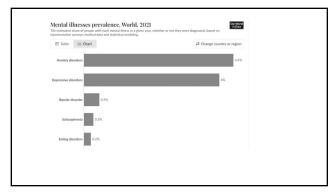
Medicine/Medical.

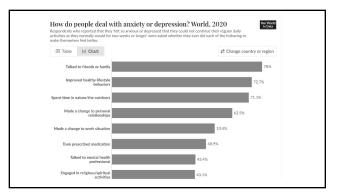
The process of determining by examination the nature and circumstances of a diseased condition.

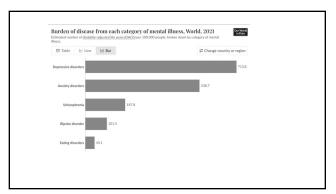
The decision reached from such an examination.

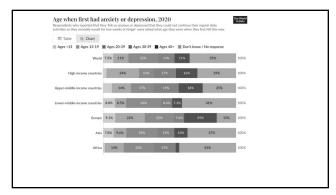
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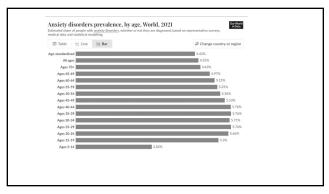


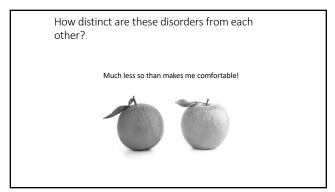










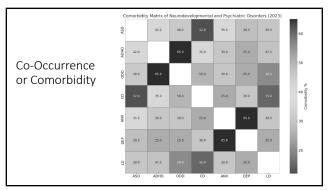


How distinct are these disorders from each other?

Although the National Institute of Mental Health (NIMH) has prepared well for this undertaking, much remains to be done. Rigorous diagnostic procedures are available for some mental disorders, but not all. Studies to identify the genes that influence the onset of mental disorders have been initiated, but too few are large enough to efficiently detect these genes. Dedicated investigators are working on various aspects of mental disorders, but more researchers with training in molecular and statistical genetics are required (NIH,1997)



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Source Highlights

- ASD + ADHD: Comorbidity rates range from 42% to 81% depending on age and criteria used (<u>Lecavalier et al.</u>, <u>Gnanavel et al.</u>)
- ASD + Anxiety/Depression: Anxiety disorders in ASD range from 29–42%; depression is slightly lower, around 20–37% (Van Steensel et al., Simonoff et al.)
- ADHD + ODD/CD: 60–70% for ODD, and 20–50% for CD (Gnanavel et al., Taurines et al.)
- ADHD + LD: Comorbidity with learning disorders remains high, around 45–50% (Khodeir et al.)
- Anxiety + Depression: Co-occurrence exceeds 60% in youth (Pehlivanidis et al.)
- LD + Other Disorders: LD commonly co-occurs with ADHD (45–50%) and ASD (20–40%) (Hendren et al.)

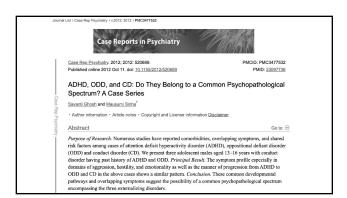
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Gnanavel, S., Sharma, P., Kaushal, P., & Hussain, S. (2019). Attention deficit hyperactivity disorder and comorbidity: A review of literature. *World Journal of Clinical Cases*, 7(17), 2420–2430. https://doi.org/10.12938/wjcc.v7.117.2420

Van Steensel, F. J. A., Bögels, S. M., & de Bruin, E. I. (2012). Psychiatric comorbidity in children with autism spectrum disorders: A comparison with children with ADHD. *Journal of Child and Family Studies*, 22(3), 368–376. https://doi.org/10.1007/s10826-012-9587-2

Lecavalier, L., McCracken, C. E., & Aman, M. G. (2019). An exploration of concomitant psychiatric disorders in children with autism spectrum disorder. *Children and Youth Services Review, 100*, 1–9. https://doi.org/10.1016/j.childyouth.2018.10.001

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J.Aulism Dev Discot. Author manuscript, available in PMC 2013 Sep 26. Published in final edited form as: J.Aulism Dev Discot. 2008 Apr. 38(7): 1302–1310. Published online 2008 Jan 11. doi: 10.1007/s10803-007-0516-8	PMCID: PMC3784313 NIHMSID: NIHMS511625 PMID: <u>18188684</u>
Oppositional Defiant Disorder as a Clinical Phenot Autism Spectrum Disorder	ype in Children with
Kenneth D. Gadow. S Carla J. DeVincent, and Deborah A. G. Drabick	
- Author information - Copyright and License information <u>Disclaimer</u>	
The publisher's final edited version of this article is available at <u>J Autism Derivers</u> . See other articles in PMC that <u>other</u> the published article.	v Disord
Abstract	Go to: ⊡
To examine the validity of oppositional definat disorder (ODD) as a clin attention-deficil hyperactivity disorder (ADHD), parents and teachers carriang scale and a background questionnaire for 608 children (ages 3-12 disorder (ASD). The ASD ample was separated into fore groupe: ODD entitier (NOWS). Comparison amaples were non-ASD clinic (re-320) a ln the ASD ample, all three ODD ADHD groups were clearly different to ODD + ADHD groups hald most severe co-occuring symptoms, disadvantage. There were few differences between ASD + ODD and ASD and control sangles were similar, unproving overlaping mechan ASD and control sangles were similar, unproving overlaping mechan ASD and control sangles were similar, unproving overlaping mechan ASD and control sangles were similar, unproving overlaping mechan ASD and control sangles were similar, unproving overlaping mechan ASD and control sangles were similar, unproving overlaping mechan ASD and control sangles were similar, unproving overlaping mechan ASD and control sangles were similar, unproving overlaping units under the ASD and control sangles were similar, unproving overlaping units under the ASD and control sangles were similar, unproving overlaping units under the ASD and control sangles were similar, unproving overlaping units under the ASD and control sangles were similar, unproving overlaping units under the ASD and control sangles were similar, under the ASD and control sangles were similar, unproving overlaping units under the ASD and control sangles were similar, under the ASD and control sangles and the ASD and control sangles and the ASD and control sang	ompleted a DSM-IV-referenced years) with autism spectrum ADHID, ODD + ADHD, and nd community (n > 800) controls. itated from the NONE group, and medication use, and environmental D+ADHD groups. Findings for
Keywords: Oppositional defiant disorder, Autism spectrum disorder, Au PDDNOS, Pervasive developmental disorder, Attention-deficit/hyperact	

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	<u>J Affect Disord.</u> 1996 Jul 8;39(2):123-6.
	Comorbidity of major depression and conduct disorder.
	Meller WH ¹ , Borchardt CM.
	■ Author information
	1 Department of Psychiatry, UMHC, Minneapolis, MN 55455, USA.
	Abstract The association of depression and conduct disorder is common and often perplexing in child psychiatry. Using a systematic retrospective chart review, various symptom, demographic and family history variables were compared between depression with comorbid conduct disorder and depression atone. Variables which differed between groups were entered into a stepwise discriminative function analysis. Th four variables which discriminated between groups were anxiety, witness to family violence, illegal behavior, and impulsive behavior. The strongest discriminating variable, anxiety, was associated with depression without comorbid conduct disorder. These results emphasize the heterogeneity of childhood depression and potential importance of anxiety.
	PMID: 8827421 DOI: 10.1016/0165-0327(96)(00031-6
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Substance Use Disorders

Over 50% of youth with Substance Use Disorders suffer from at Least one psychiatric disorder

Santucci K. Psychiatric disease and drug abuse. *Curr Opin Pediatr*. 2012;24(2):233-237. doi:10.1097/MOP.0b013e3283504fbf.

Ross S, Peselow E. Co-occurring psychotic and addictive disorders: neurobiology and diagnosis. *Clin Neuropharmacol.* 2012;35(5):235-243. doi:10.1097/WNF.0b013e318261e193.

PMCID: PMC4155521 NIHMSID: NIHMS591531

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Int J Cogn Ther. 2013 Dec 1; 6(4): 325–341.	PMID: 25197427
Published online 2014 Aug 26. doi: 10.1521/ijct.2013.6.4.325	
The Influence of Comorbid Depression and Conduct Disorder Treatment Outcome for Adolescent Substance Use Disorders	
Jacqueline Hersh, MA, a John F. Curry, Ph.D., a,b and Sara J. Becker, Ph.D.c	
Author information - Copyright and License information <u>Disclaimer</u>	
See other articles in PMC that $\underline{\rm cite}$ the published article.	
Abstract	Go to: ☑
Although depression and conduct disorder frequently co-occur with substance use diso studies have investigated the individual and interactive effects of these conditions on Soutcome. Data were collected from 90 adolescents aged 13–21 ($M=171.8, D=30.95$) evidence-based intervention for SUD. Hierarchical regressions assessed the relationship demographic variables, depression, conduct disorder, and two substance use outcomes problems and two restricts of the substance to the problems and lower socioeconomic status significantly predicted higher substance problems and lower socioeconomic status significantly predicted higher substance problems and lower depressive s	UD treatment who received a brief ip among (frequency and teline substance use frequency at three- ymptoms predicted
substance problems. In addition, an interaction indicated that the effect of conduct disc problems was greatest at lower levels of depression. Results are discussed in the conte	

Int J Cogn Ther. Author manuscript; available in PMC 2014 Sep 5. Published in final edited form as:

How distinct are t	hese d	lisord	ers
from each other?			

For over a century, psychiatric disorders have been defined by expert opinion and clinical observation. The modern DSM has relied on a consensus of experts to define categorical syndromes based on clusters of symptoms and signs, and, to some extent, external validators, such as longitudinal course and response to treatment. In the absence of an established etiology, psychiatry has struggled to validate these descriptive syndromes, and to define the boundaries between disorders and between normal and pathologic variation.

Psychiatric genetics and the structure of psychopathology

Molecular Psychiatry (2018) | Download Citation i

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How distinct are these disorders from each other?

Before the modern era of genomic research, family and twin studies demonstrated that all major psychiatric disorders aggregate in families and are heritable. Over the past decade, the success of large-scale genomic studies has confirmed several key principles: (1) psychiatric disorders are highly polygenic, reflecting the contribution of hundreds to thousands of common variants of small effect and rare (often de novo) SNVs and CNNs; (2) genetic influences on psychopathology commonly transcend the diagnostic boundaries of our clinical DSM nosology. At the level of genetic etiology, there are no sharp boundaries between diagnostic categories or between disorder and normal variation

Psychiatric genetics and the structure of psychopathology

Jardan II. Smoller ⁶⁸, Ole A. Andreassen, Howard J. Edenberg, Stephen V. Faraone, Stephes J. Keeneth S. Kendler

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Comorbidity is the

RULE

not the Exception



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? Define limits of functional impairment to set a baseline for intervention?

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Components of a Thorough Assessment

- History
- Broad Spectrum
 Questionnaires (Parent
 and Teacher)
- Impairment. Risk.
 Executive Functioning
- Narrow Spectrum
 Questionnaires (Parent and Teacher)
- Self report Questionnaires
- · Ability Assessment
- Achievement Assessment
- · Interview with student



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Critical Issues In Assessment

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

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Circle	133463	111	ASSESSITION



- 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

General Guidelines for a Comprehensive Evaluation

- A distinction should be made between acute vs. chronic problems.
 Person and environment protective factors need to
- be understood.
- Assessment should be strength and risk 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.



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

Person Attributes Associated With Successful

- Humorous. Helpfulness.



Environmental Factors Associated With Successful Coping*

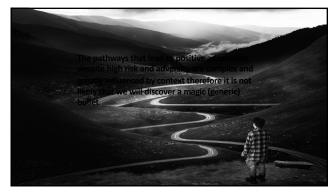


- Smaller family size.

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

*Replicated in 2 or more studies.

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How the Brain Works Ability, Knowledge and Skill



Components of a Thorough Assessment

Step 1: History
Step 2: Assess Impairment (RSI), EF (CEFI) and Risk (RISE)
Step 3: Broad Spectrum: Conners CBRS or Conners EC
Step 4: Decide on Narrow Spectrum Questionnaires:

• Disruptive Problems: Conners 3

• Non-Disruptive:

• ASRS

- MASC 2 CDI 2

• CAS Teacher Questionnaire

Step 5: Achievement & Ability Testing
Step 6: Resilience

Step 7: Personality

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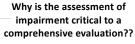
Step 1: Obtain a Thorough History

- 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



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An exhaustive review of the literature demonstrates that the relationship between symptoms and functioning remains unexpectedly weak and often bidirectional (McKnight and Kashdan, 2009).

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Need

• 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.





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. Vs. Difficulty completing homework



IMPAIRMENT VS. 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.

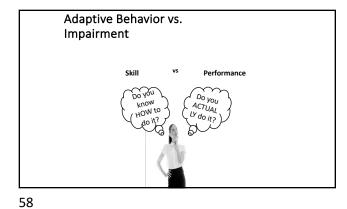
(Ditterline & Oakland, 2009)

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IMPAIRMENT VS. ADAPTIVE BEHAVIOR

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





Using

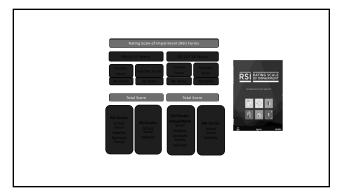
Not using utensil

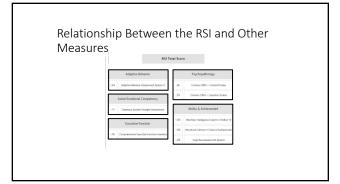
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Symptoms vs. Impairment

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)







Executive Function

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Executive	i unctioni	· •

Given all these definitions of EF(s) we wanted to address the behavioral question...

Executive Functions ... or

Executive Function?

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Executive Function(s)

- One way to examine this issue is to research the factor structure of behaviors related to EF(s)
 To do so, we examined the factor structure of the Comprehensive Executive Function Inventory (CEFI)

- We conducted a series of research studies to answer the following question:
 What is the underlying structure of the behaviors assessed on the CET?
 Is there is just one underlying factor called executive function), or do the behaviors group together into different constructs suggesting a multidimensional structure?

ITEM FACTOR ANALYSES — PART

1

- For the first half of the normative sample for Parent, Teacher and Self ratings' item scores (90 items) was analyzed using exploratory factor analysis
- The scree plots and the very simple solution criterion both indicated that only one factor.
- The ratio of the first and second eigenvalues was greater than four for all three forms, which indicated a one factor solution.

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67

Item Factor Analyses — Part 1 Item level factor analysis clearly indicted that one factor was the best solution Table 8.2. Eigenvalues from the Inter-Item Correlations Form 1 2 3 4 5 6 7 Parent 43.7 41 23 15 13 13 10 Teacher 55.8 38 23 13 11 11 0.8 Self-Report 29.9 63 2.7 2.1 13 15 15 Note Erraction rights Factoring 18.4 Factoring

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Scale Factor Analyses — Part

2

- Using the second half of the normative sample EFA was conducted using raw scores for the Attention, Emotion Regulation, Flexibility, Inhibitory Control, Initiation, Organization, Planning, Self-Monitoring, and Working Memory scales
- Both the Kaiser rule (eigenvalues > 1)
 and the Eigenvalue Ratio criterion (> 4)
 unequivocally indicated one factor.

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Table 8.4. Eigenval	Scale I analys indicte factor best so	is cle ed tha was t olutio	arly at one the in	Eigenw 9 8 7 6 5 4 3 2 1 0	Factor	1 Facto	Te Sel	rents schers H r 3 Facor 4 Facor 5
Tuble 6.4. Eigentu	doo or the	02110	ocuico c	romolati	Facto	r		I
Form	1	2	3	4	5	6	7	I
Parent	7.5	0.2	0.0	0.0	0.0	0.0	0.0	I
Teacher	7.8	0.3	0.0	0.0	0.0	0.0	0.0	1
Self-Report	6.3	0.2	0.1	0.0	0.0	0.0	-0.1	1
Note, Extraction method: R	ng.							70

EXPLORATORY FACTOR ANALYSES

Conclusion:

When using parent (N = 1,400), teacher (N = 1,400), or self-ratings (N = 700) based on behaviors observed and reported for a nationally representative sample (N = 3,500) aged 5 to 18 years Executive Function not functions is the best behavioral term to use.

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EF as a Mediator of Ability and Knowledge

- Ability: The skills we use to acquire and manipulate knowledge to solve problems. Also referred to as
- Knowledge: Everything we learn in life. Also referred to as achievement.
- Executive Function: How efficiently or skillfully you do what you decide to do.

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Why Does Executive Function Matter?

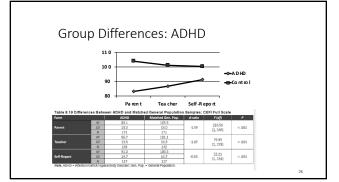


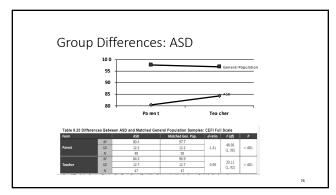
EF is essential for success in daily living including:

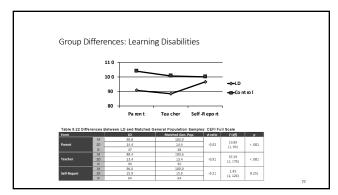
Mental health

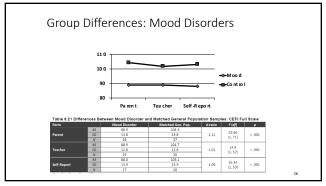
• Egg more information see: Willbutt et al., 2005; Bora et al., 2009; Mesholam-Gatey et al., 2009; Snyder, 2013

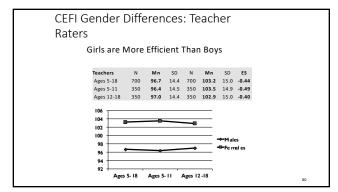
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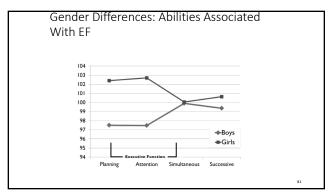












CEFI Measurses Impact WISC-IV, CAS,	and
\\/\!	

- Data from the Neurology, Learning and Behavior Center in Salt Lake City, UT
- Children given the CEFI, WISC-IV (N = 43), CAS (N = 62), and the WJIII achievement (N = 58) as part of a typical test battery.

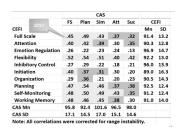
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CEFI and WISC IV

	FS	vc	VC PR		PS	CEFI	
CEFI 16%!!!						Mn	SD
Full Scale	.39	.44	.27	.30	.34	93.0	11.9
Attention	.39	.33	.32	.40	.35	91.8	11.2
Emotion Regulation	.14	.25	.08	06	.11	97.2	14.7
Flexibility	.57	.68	.45	.46	.37	93.8	11.0
Inhibitory Control	.21	.20	.13	.08	.27	97.7	13.5
Initiation	.25	.31	.14	.21	.25	91.2	15.1
Organization	.15	.17	.06	.14	.17	92.2	13.6
Planning	.46	.54	.31	.38	.39	93.6	11.1
Self-Monitoring	.39	.45	.31	.33	.27	92.0	11.3
Working Memory	.38	.43	.31	.36	.23	92.5	13.6
WISC-IV M	95.5	96.8	101.5	92.6	90.7	92.6	
WISC-IV SD	18.1	14.7	17.5	17.5	19.4	17.5	
Note: All correlations	were	correct	ed for ra	inge in:	stability	<i>i</i> .	

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CEFI and CAS



| WJ-III Achievement Tests | Broad | Broad | Wyitten | CEFI Scale | Stale | St

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Comprehensive Executive Function Inventory (CEFI)

 A comprehensive behavior rating scale of executive function strengths and weaknesses in children and youth aged 5 to 18 years.



 Executive function is important for problem solving and reasoning, and difficulties with executive function can often make simple tasks challenging.

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Assessment of	of Risks and Strengths	
Risk Inventor	and Strengths Evaluation	(RISE

- Protective Behaviors

 Emotional Balance
 Interpersonal Skill
 Self Confidence
- Risky Behaviors
 Bullying
 Delinquency
 Health
 Sexual
 Substance Abuse
 Suicide



RISE Overview

- The first tool to look at these concepts within the context of each other
- Ages 9 through 25 years; Parent, Teacher and Self Forms
- 15-20 minutes administration time
- Norm-referenced *T*-scores examine broad constructs of risk and strength
- Response validity scores also available
- For educational psychologists, counselors, clinical psychologists and other mental-health professionals working with children, adolescents and young adults (Level C)

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Standardization: RISE Normative and Clinical Samples

- Nationally representative (U.S.) normative sample: Matched to U.S. Census on gender, race/ethnicity, SES and U.S. geographic region
 Parent: 1,005 forms

 - Self: 1,380 forms
 - Teacher: 1,000 forms
- Clinical validity sample:
 185 Parent Forms
 - 270 Self Forms
 - 152 Teacher Forms
- Includes multiple sub-samples based on risk factors, diagnosis, etc.
 - At Risk
 - Gang Membership
 - Suicidality/Depression
 - ADHD

	Parent Form	farfization Sample Self Form	Teacher Form	
	(n = TBO)	(n = TBO)	(n = 2000)	
Rick Summary Scale	0.95	0.92	0.90	
	0.95	0.93	0.95	
	0.97	0.94	0.95	
	0.86	0.83	0/0	
	0.84	0.78	0/3	
	0.85	0.82	6/9	
	0.82	0.70	0/3	
	0.88	0.78	0/0	
	0.91	0.91	0/3	
	0.89	0.83	0.89	
	0.87	0.83	0.89	
Self-Confidence	0.83	0.78	0.86	

Со	ncurrent Validity
	Highlights of correlational studies with concurrent measures
	2 factors (risk and strengths), so measures chosen to evaluate both
	Risk Scale
	BASC-3 Externalizing Problems with RISE Risk Summary: Parent: $r = .69$; Teacher: $r = .63$;
	Self: r = .67 with BASC-3 School Problems
	Conners CBRS $Violence$ $Potential$ with RISE $Risk$ $Summary$: $Parent: r = .66$; Self: $r = .66$; Teacher: $r = .74$
	Concurrent validity refers to the extent to which the results of a particular test or measurement correspond to those of a previously established measurement for the same construct.

Concurrent Validity

Rephiliphs of correlational studies with concurrent measures

2 startors (risk and strengths), so measures chosen to evaluate
both

Strength Scale

ABAS-3 General Adaptive Composite with RISE Strength Summary: Parent: r = .75;
Self: r = .58; Teacher: r = .57

Piers-Harris 3 Total score with RISE Strength Summary: Self: r = .47

Analysis of subscales (comprehensive studies in Chapter 5 of RISE Manual) demonstrates extensive evidence of concurrent validity AND shows that while these measures are complementary, the RISE provides data that other scales do not.

Validity	v: Cli	nical	Group	S

At-Risk Sample (n = 160): Key validation sample for RISE: qualifying for prevention and intervention services because of unfavorable socioeconomic circumstances, current gang members, ex-gang members, and youth on probation

RISE scores differentiate at-risk youth from typically developing youth with *large, clinically significant effect sizes*.

Validity studies also cover a range of additional groups (clinician-assigned diagnosis):

- Gang Membership
 Suicidality/Depression
 ADHD

- ASD
 Eating Disorders
 Abuse
- Substance Abuse

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Step 3: Broad Spectrum Measure

Conners Early Childhood (Conners EC)

2 to 6 years



Conners Comprehensive Behaviour Rating Scales (Conners CBRS) 6 to 18 years

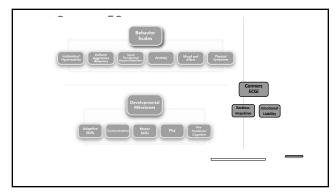


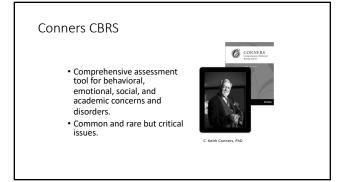
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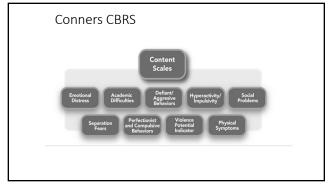
Conners EC

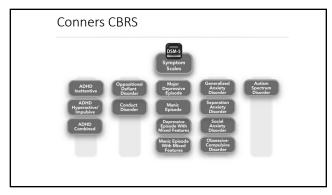
- Innovative psychological instrument to assess the concerns of parents, teachers, and childcare providers about preschool-aged children.
- Aids in the early identification of behavioral, social, and emotional problems.
- Assists in measuring whether or not a child is appropriately meeting major developmental milestones (Adaptive Skills, Communication, Motor Skills, Play, and Pre-Academic/Cognitive).

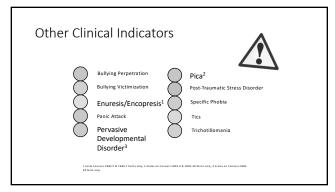






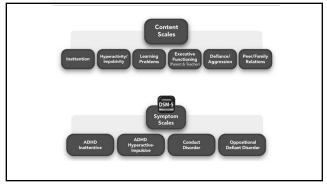












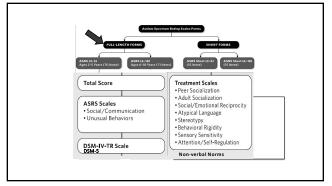


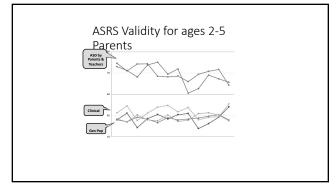
Autism Spectrum Rating Scales

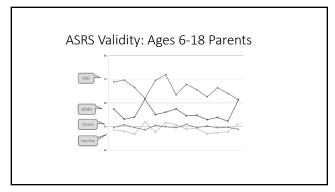
Multi-informant measure designed to identify symptoms, behaviors, and associated features of Autism Spectrum Disorder (ASD) in children and adolescents aged 2 to 18 years.



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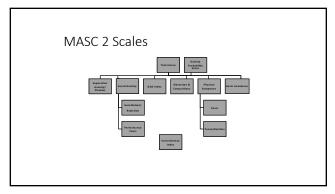


Multidimensional Anxiety Scale for Children 2nd Edition (MASC 2)

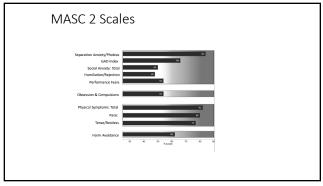
- Comprehensive multi-rater assessment of anxiety dimensions in children and adolescents aged 8 to 19 years.
 Distinguishes between important anxiety symptoms and dimensions that broadband measures do not capture.

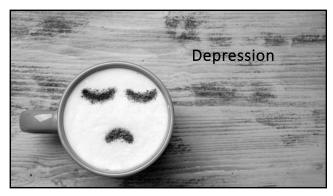


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Children's Depression Inventory 2[™] (CDI 2)

Comprehensive multi-rater assessment of depressive symptoms in children and adolescents from ages 7 to 17, which offers the flexibility of application in either clinical or educational settings.

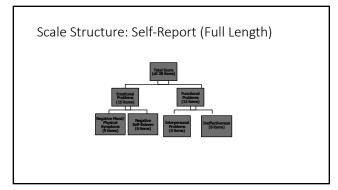


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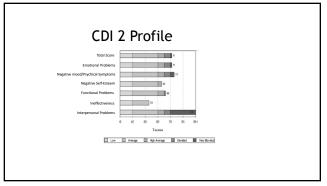
Scale Structure: Parent and Teacher



4-point Likert-type rating: 0="Not at All" ; 3="Much or Most of the Time"









PASS Theory

PASS theory is a modern way to define 'ability' based on measuring neurocognitive abilities

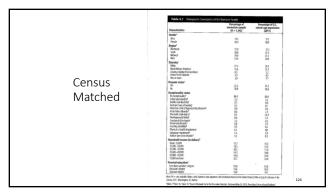
Planning = THINKING ABOUT THINKING Attention = BEING ALERT Simultaneous = GETTING THE BIG PICTURE Successive = FOLLOWING A SEQUENCE

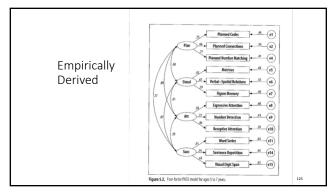
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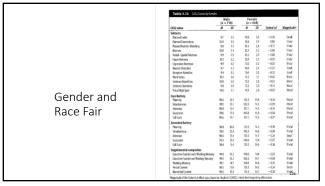
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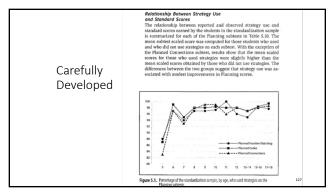
CAS2 Development Goals

- New norms
- Strengthen reliability of the scales by modifying subtest formats
- Improve factor structure
- Add/delete items
- Add a visual Successive subtest
- Add new scales beyond PASS
- Retain Administration format of
 - Examiner demonstrates,
 - Child does a sample
 - Directions for remaining items is given
- And opportunity to Provide Help is given





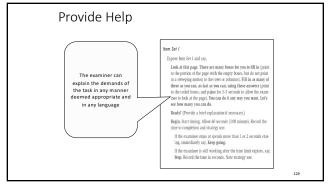


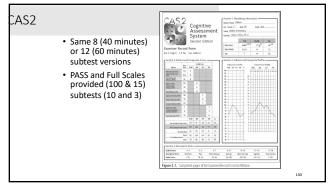


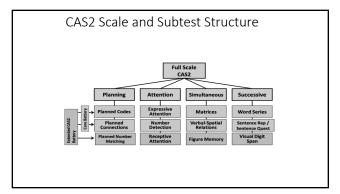
CAS2

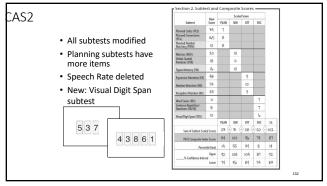
- Flexibility with special populations
- Strategy assessment
- Guidelines for providing help.

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Supplementary Scales:
Executive Function,
Working Memory,
Verbal, Nonverbal

• Added: A Visual and
Auditory comparison

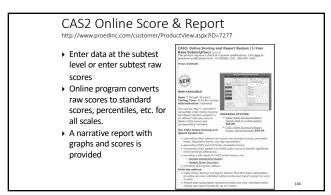
Visual-Auditory Comparison

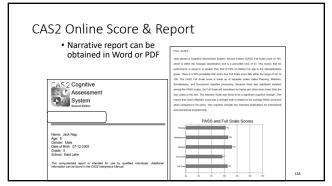
Visual-Auditory Comparison

Visual-Auditory Comparison

Word Sevies

Word Sevi





CAS2 Subtests

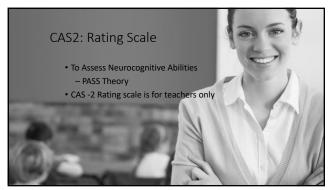
- Planned Codes
 Planned Connections
 Planned Number Matching
- Expressive Attention
 Number Detection
 Receptive Attention

Simultaneous

Sequencing

- Matrices
 Visual Spatial Relations
- Word Series Sentence Repetition/Questions
- Figure Memory
- Visual Digit Span

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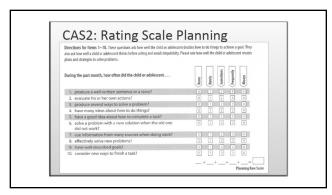
137

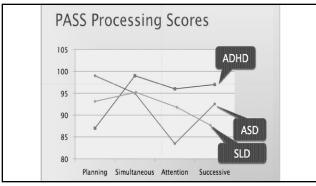
Cognitive Assessment System: Rating Scale (CAS2: Rating Scale)

- Norm referenced measure of behaviors related to cognitive / neuropsychological theory called PASS (Planning, Attention, Simultaneous, and Successive).
- The scores from the CAS2: Rating Scale can be used to:
 • Support a referral, supportive services, or
 - special placements.
 - Supplement a comprehensive evaluation.
 - Compare teachers' ratings with test
- results.

 Help plan and design academic interventions.
 • Monitor the effectiveness of
- interventions.







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Organizing the Data

- A day in the life
- Ability/Knowledge/SkillTake a chronological perspective.
- Risk and Protective factors
- Determining eligibility
- Suggesting possible diagnoses
- Recommending needs
- Considering continuum of services







Thank You! Sam Goldstein, Ph.D.		
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