Comprehensive Assessment of Neurodevelopmental Disorders Candice Sutton, Psy.D, CSAC

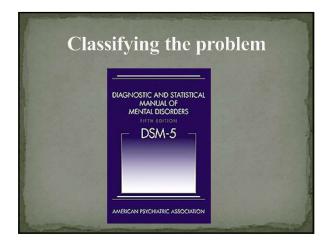
Objectives

- Identify the goal(s) of an assessment
- Understand the Assessment Process
- Comprehensive Psychological Assessment
 Testing for Neurodevelopmental Disorders
- Provide examples of common standardized psychological tests and measures
- Understand/interpret standardized test scores

Overview Goals of Assessment Use of the of DSM-V Diagnostic Categories Cultural Formulation Diagnostic Uncertainty Types of Neurodevelopmental Disorders Assessment Process Clinical Interview MSE/Observations Standardized Testing Scoring/interpretation Recommendations and feedback

Goals of Assessment

- Determine if there is a problemClassify the problem
- Delineate the child's strengths and deficits
- Predict future behavior or course of the disorder
- Provide guidelines and recommendations for intervention



DSM-V Diagnostic Categories

- Neurodevelopmental Disorders
- Schizophrenia Spectrum and Other Psychotic D/O
- Bipolar and Related Disorders
- Depressive Disorders
- Anxiety Disorders
- Obsessive-Compulsive and Related Disorders
- Trauma and Stressor Related Disorders
- Dissociative Disorders
- Somatic Symptom Disorders

DSM-5 Categories continued...

- Feeding and Eating Disorders
- Elimination Disorders
- Sleep-Wake Disorders
- Sexual Dysfunction:
- Gender Dysphoria
- Disruptive, Impulse Control and Conduct Disorders
- Substance Related and Addictive Disorders
- Neurocognitive Disorders
- Personality Disorders
- Paraphilic Disorders

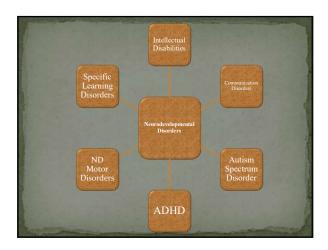
DSM-V Measures

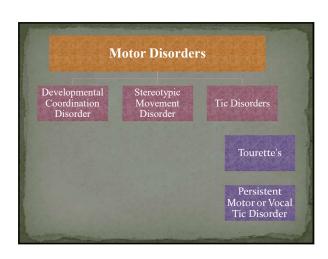
- Cross-Cutting Symptom Measures
 Used in Initial patient interview
 - Used in Initial patient interviewGuides DX
- Disorder-Specific Severity Measures
- Correspond to DSM-V's DX criteria
- WHODAS 2.0
- understanding, communicating, getting around, self-care, getting along with people, life activities, and participation in society

Cultural Formulation

- Outline for Cultural Formulation
- Cultural Concepts of Distress
- Ways groups experience, understand and communicate suffering
- Cultural Formulation Interview
- 16 questions

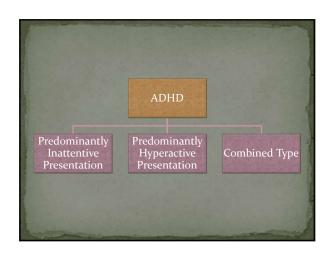
Diagnostic Uncertainty Other Specified Disorder Other Specified Neurodevelopmental Disorder, Neurodevelopmental disorder associated with prenatal alcohol Syndrome Unspecified Disorder Unspecified Neurodevelopmental Disorder Provisional

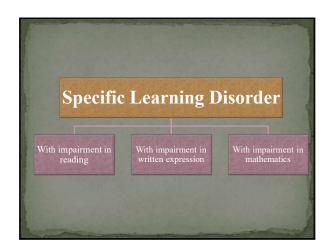


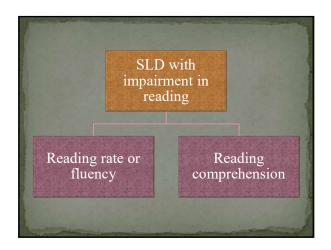


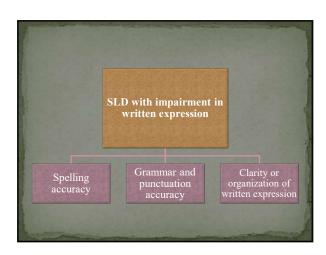


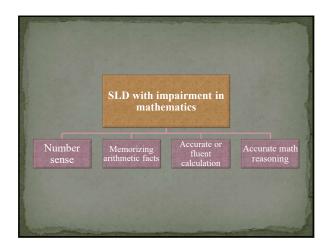












Example LD Diagnoses F81.0 Specific Learning Disorder With Impairment in Reading, Reading Comprehension F81.1 Specific Learning Disorder With Impairment in Written Expression, Spelling Accuracy F81.2 Specific Learning Disorder With Impairment in Mathematics, Accurate Math Reasoning

SLD
Biological origin
Onset during the years of formal schooling
Abnormalities are at a cognitive level
 Affects the brain's ability to perceive or process verbal or nonverbal information
Persistent difficulties learning keystone academic skills
 Academic skill well below average for age
 Affects learning in individuals who otherwise demonstrate normal levels of intellectual functioning
Requires psychometric evidence

SLD IS NOT... • Attributable to intellectual disabilities • Attributable to hearing or vision disorders • Attributable to Neurological or motor disorders • Attributable to Global developmental delay • Attributable to English as a second language

Alternative Terms Used to Refer to Patterns of Difficulties Dyslexia fluent word recognition poor decoding poor spelling abilities Dyscalculia processing numerical information learning arithmetic facts performing accurate or fluent calculations

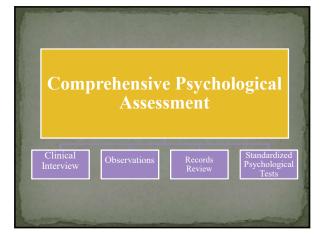


Where do parents start...

- Talking to child's pediatrician
 - Rule-out medical issues
 - Hearing and vision
 - Encourage parents to bring all relevant documents to appointment
- Identify referral question/problem
- Learning Disabilities Evaluation
- Targeted ADHD Assessment
- Autism Assessment

Assessments

- Comprehensive Psychological Assessment
- Comprehensive Psychoeducational Assessment
- Neuropsychological Assessment



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Clinical Interview Clarify Reason for Referral Who referred the child? Chief complaint HX of Relevant Complaint Length of problem Precipitants/effects Severity Pattern of recurrence Past TX for problem

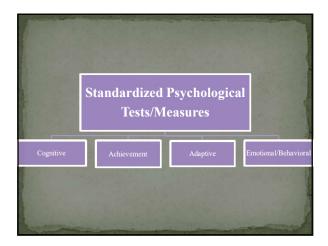
Clinical Interview Development Delays? (Walking, talking, toileting, etc.) Family Hx Parents occupation Birth order and siblings Sibling background Relationships/divorce/marriage Family Stressors Domestic Violence Cultural considerations

Clinical Interview
Academic HX
Best and worst classes
 Skipped/held back grades
• GPA
 School behavior, extracurricular activities
 Attendance/disciplinary actions
 Encourage parents to bring school records
• IEP
* Report cards
* BX Data

Clinical Interview Personal/Individual Hobbies Personality/temperament Community involvement Extracurricular activities Suicidal or homicidal ideation/plan/intent Peer/Social Friendships Bullying

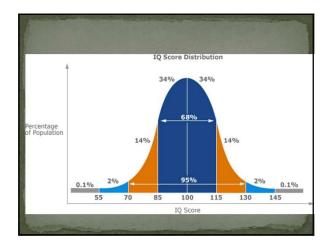
Clinical Interview • Medical HX • Head trauma (loss of consciousness, memory, location of injury, TX) • Past surgery • Chronic Illness • DX, RX, SX • Psychiatric HX • Inpatient TX (time and duration of previous hospitalizations, reason) • Outpatient TX (reason, name of current therapist) • DX, RX, SX

MSE and Behavioral Observations Appearance Behavior Attention Attitude Speech and Language Mood/Affect Thought Process/Content Insight/judgment Memory Orientation to time/place/person/situation



Testing for Cognitive Factors Basic learning processes Understanding Memory Attention Psychomotor speed Decision Making Planning Working memory

INTELLIGENCE TEST (IQ Test) General Measure of Learning Potential Verbal Comprehension Nonverbal Reasoning Working Memory Processing Speed



Examples of IQ Tests

- Wechsler Intelligence Scale for Children (WISC-V)
- Wechsler Preschool and Primary Scale of Intelligence (WPPSI-IV)
- Stanford-Binet Intelligence Scales
- Woodcock Johnson
- Kaufman Assessment Battery for Children

WISC-V COMPOSITE	Score	%tile	Range
Verbal Comprehension Index (VCI)	89	23	Low Average
Visual Spatial Index (VSI)	89	23	Low Average
Fluid Reasoning Index (FRI)	94	34	Average
Working Memory Index (WMI)	110	75	High Average
Processing Speed Index (PSI)	89	23	Low Average
Full Scale IQ (FSIQ)	93	32	Average
Full Scale IQ (FSIQ)	95	32	Average

Achievement Testing

- Academic Strengths and Weaknesses
- Reading
- Mathematics
- Oral Language Skills
- Written Expression

Composite	Score	% Rank	Qualitative Description
Oral Language	71	3	Below Average
Written Expression	81	10	Below Average
Mathematics	85	16	Average
Total Achievement	77	6	Below Average
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Subtest Component	Score	% Rank	Qualitative Description
Listening Comprehension			
Receptive Vocabulary	77	6	Below Average
Oral Discourse	90	25	Average
Comprehension			
Oral Expression			
Expressive Vocabulary	57	0.2	Low
Oral Word Fluency	88	21	Average

Total Reading	Sc	ore	%tile	Qual	itative Description
Word Reading	9	96	39		Average
Reading Comprehension and Fluency	99		47	Average	
Essay Composition					
Word Count	96			Average	
Theme Development and Text Organization	92		30	Average	
Spelling	96	3	9	Avei	rage
Math Fluency Test	Stan	dard	Score	% Rank]
Addition	97			42	1
Subtraction	97			42	1
Multiplication	94		34	-	

Standardized Test Scores

- Use CAUTION when interpreting "Grade or Age Equivalent Scores"
- Standard Scores are a more accurate measure of ability than Grade or Age Equivalents

Examples of Achievement Tests

- Tests common for Identifying
 Learning Disabilities
- Wide-Range Achievement Test (WRAT4)
- Wechsler Individual Achievement Test (WIAT-III)

Evaluating Adaptive Skills

- Things that people need to do to function in their everyday lives.
 - Communication
- Practical daily living skills
- •Relating to other people.

Adaptive Measures

- Parent and Teacher forms
- Examples:
- Vineland Adaptive Behavior Scales (Vineland-III)
- AAMR Adaptive Behavior ScalesScales of Independent Behavior (SIB-R)

Measures For other Emotional/Behavioral Problems

- Assessment tools that assesses wide range of concerns:
 - Emotional
 - Socia
 - Behavioral
- Assists with Differential Diagnosis
- Identifying Comorbid Disorders
- Rating scales, inventories, checklists
- Parent, Teacher, and Self-rater Forms

Examples of Rating Scales

- Conners Comprehensive Behavior Rating
- Autism Spectrum Disorder Scale
- Child Behavior Checklist (CBCL)
- Behavior Assessment System for Children (BASC-3)

Now the Psychologist gets to work...

- Tests are scored
- Data is analyzed and interpreted
- Diagnosis is determined
- Report is written
- Recommendations are given
- Feedback session



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