1. 34 CFR § 300.8





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- Learn a framework for reviewing • assessment reports.
- Develop an understanding of important • psychometric properties when reviewing assessment data.
- Answer common questions from hearing officers



### **Purpose of Evaluation According to IDEA**

- To determine if the child is a "child with a disability," as defined by IDEA
- To gather information that will help determine the child's educational needs
- · To guide decision making about appropriate educational programming for the child

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# Assessment Procedures

Review data, collect new data, synthesize data, and report data

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Full Evaluation Components
 A State educational agency, other State agency, or local educational agency shall conduct a full and individual initial evaluation in accordance with this paragraph and subsection (b), before the initial provision of special education and related services to a child with a disability under this subchapter...
 In conducting the evaluation, the local educational agency shall—
 Use a variety of assessment tools and strategies to gather relevant functional, developmental, and academic information, including information provided by the parent, that may assist in determining—
 Not use any single measure or assessment as the sole criterion for determining whether a child is a child with a disability or determining an appropriate educational program for the child; and

Program for the child; and
 Use technically sound instruments that may assess the relative contribution of
 cognitive and behavioral factors, in addition to physical or developmental factors,
 34 CFR § 300-304(b)

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# Review, Interview, Observe, Test (RIOT)

- Record Review: Review of educational records, background information, discipline records medical information
- Interview: Interviews with relevant individuals, including parents/guardians, teachers, and students
- Observations: Many different types of observations. Should produce data on frequency, intensity, and context of the problem. Also includes observations to determine validity of assessment results
- Testing
  - Rating forms: Measures perception of experiences, not direct behaviors.
     Standardized assessments: Either direct measurement of skills or
  - measurement of theoretically relevant skills.

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# Tennessee Documentation of Comprehensive Assessments

- The TN Department of Education has provided clear guidelines and checklist for what must be considered in regards to a comprehensive evaluation for each special education category.
- More information can found at the <u>TN Special Education</u> <u>Evaluation & Eligibility</u> website.

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### Example Assessment

#### Jacob

#### 3<sup>rd</sup> grade student

 Reason for referral: during his speech language evaluation, the examiner noted characteristics of autism, including poor eye contact, repetitive motor movements, and echolalia

#### Evaluation questions:

- What are Jacob's currently cognitive processing strengths and weaknesses?
- How do Jacob's social skills, behaviors, and classroom adaptive skills impact his academic achievement?
   Do Jacob's current Special Education services (speech-language services)
- Do Jacob's current Special Education services (speech-language services) meet his educational needs?





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# Use Technically Sound Instruments

#### Reliability, Validity, and Usefulness

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# Interpretation of Standardized Test Scores

**Criterion-Referenced and Norm-Referenced** 

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 Criterion-Referenced
 Norm-Referenced

 Image: Static compare a student's knowledge and skills against a predetermined standard, cut-score, or criterion
 Image: Static compare a student's knowledge and skills against a predetermined standard, cut-score, or criterion

 Image: Static compare a student's knowledge and skills against a predetermined standard, cut-score, or criterion
 Image: Static compare a student's performance against the performance of their peers

















Types of Scores			
Score	Definition	Interpretation	
Raw Score	Actual number of points or tasks	Not useful for interpretation	
Standardized Score	Distance of raw score above or below the mean relative to norm group	"Standard Score of 100 indicates average level of performance"	
Percentile Ranks	Describe rank relative to others in the norm group	"Percentile rank of 50, indicates they scored at or above 50% of others in the same age group."	
Grade/Age Equivalents	Indicate the same raw score (not skill) as an average student at that same age/grade	"Scored the same number of problems correct as the average 3rd grade student."	

Standardized Scores			
Score	Interpretation	Typical Use	
Standard Score (SS)	Mean of 100, SD of 15 Average range: 85-115	Broad summary scores of IQ, achievement, and communication tests	
Scale Scores (S)	Mean of 10, SD of 3 Average range: 7 - 13	Individual subtest scores	
T-Scores Ranks	Mean of 50, SD of 10 Average range: 40 - 60	On Rating forms of behavior be careful about interpretation because "high scores" may indicate more problems	
Stanines	Mean of 5, SD of 2 Average range: 3-7	Individual subtest scores, more rarely used	

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# No

There are inherent psychometric problems associated with "equivalent scores" in terms of their reliability and validity

Equivalent scores are not a ratio or interval scale. Therefore, they cannot be added, subtracted, or averaged.

Reynolds, C.R. (1981).

### **Grade Equivalents**

- Indicate the same raw score (not skill) as an average student at that same age/grade.
- For example, a GE of 3.9 indicates that the student's raw score for the test was the same as the average raw score for the group of students in the ninth month of third grade on whom the test was normed.
- At best, a grade (or age) equivalent score can tell if that student's raw score is similar to other raw scores in that grade (or age) group. It does not give you an indicator of actual level of skills.

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# From KTEA-3 Manual

"Grade Equivalents do not indicate the curriculum level at which at student is working. Grade equivalents are not related to what students at a particular grade ought to be capable of performing or what they are being taught. Similarly, age equivalents do not indicate what students at a particular age ought to be capable of performing. Rather, grade and age equivalents are based entirely on the median performance of students at each grade or age, respectively, on the KTEA-3 subtests."

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Using Data within IDEA Evaluations and IEP Development	Disability Identification	<ul> <li>Almost always uses norm- referenced data.</li> <li>May include criterion reference data.</li> <li>May include intervention progress monitoring data.</li> </ul>
	Needs Identification	<ul> <li>Criterion-based and absolute levels of performance</li> <li>Identify specific skills for intervention/</li> </ul>
	Monitoring Progress	<ul> <li>Measure a specific skill development over time.</li> <li>Criterion-based and ipsative comparison.</li> </ul>





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**Sharing Evaluation Reports** 

- Upon completion an evaluation, a copy of the report should be shared with the parents to ensure meaningful participation (OSEP, 2019).
- Report should include comprehensive summary of the assessment procedures, results, and conclusions.

# **Responsible Reporting of Data**

- All qualified professionals who administered assessments should contribute to the narrative in the report.
- All assessments administered should be reported, unless it was deemed invalid. If invalid, then detailed description of why should be reported.
- Report should document any modifications made to the standardized directions
- Part of the narrative should also include how the student's performance in the evaluation relates to the disability category criteria AND how this information can be used to develop appropriate services.

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Essential	Essential Components of a Report	
Items to Include	Definition/Consideration	
Assessment Description	A brief description of the assessments conducted.	
Standard Scores	Transformed raw scores with predetermined means and standard deviations. Examples include: Standard Scores, scaled scores, T-Scores, z-scores. It may also be appropriate to include a confidence interval to assist with educational decision-making, as well as an explanation of what a confidence interval means.	
Percentile Ranks	Derived score that determines position relative to standardization sample.	
Interpretations	Explain what score descriptions mean.	
Composite Scores	These scores are more reliable than individual subtest scores, and only reporting these would be a minimum requirement. Best practices would support reporting all subtest scores.	
Modifications to Standardization	Include description of any modifications made to a standardized assessment, as well as if a student's behavior and/or attitude during the session negatively impacted the results	

Items to Include	Definition/Consideration
Raw Scores	In some cases, it would be appropriate to report raw scores; however, if the assessment is standardized, the standard scores should be reported and not the raw scores.
Age and Grade Equivalents	Determined by the average score obtained on a test by members of the same age or grade groups. These scores are psychometrically impure an <b>should never be reported alone.</b> Caution should be used when reporting and interpreting these scores.
Other Score Types from a Specific Assessment	There are some assessments that have score types that do not fit the above classifications. The qualified examiners should use their judgment and training to determine what information should be reported.

### Components of a full (comprehensive) evaluation report

- □ Statement of primary purpose of the assessment
- Relevant background
- □ Procedures/assessments used for the evaluation
- Statement noting limitations of assessment
- Summary of results of all procedures relative to referral question and meaning of the results
- Summary of answers to referral questions
- Recommendations relevant to the referral questions

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# about Evaluation Reports

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- Was data collected to rule-in and rule-out the disability?
- Does the data converge across multiple methods/sources?
- U Were relevant skills measured? Were the standardized data
- interpreted within the context of the individual student's environment, background, school history, and observations?
- Were all components of a comprehensive evaluation present?

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#### **Recommended Resources**

- Books:
  - Ethics and Law for School Psychologists, 8th ed. Susan Jacob, Dawn Decker, Elizabeth Timmerman Lugg, and Elena Lilles Diamond. Wiley Publishing
  - Assessment of disorders in childhood and adolescence. Younstrom, Prinstein, Mash, and Barkley. Guilford Publications

#### Guidance Documents:

 Principles for SLD Eligibility: Practice & Policy Considerations for States and School Districts Procedures/assessments used for the evaluation.

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### **References-1**

- 5.
- DSpecific'i:201.earning#220Disability.02.pdf Sassu, K. A., Gelbar, N. W., Bray, M. A., Kehle, T. J., & Patwa, S. (2015, September), Exploring Neuropsychology: Seeking Evidence of Added Worth to School Psychology Practice. In School Psychology Forum (Vol. 9, No. 3), p. 273 6.
- 7. 34 CFR § 300.304(b).
- 8. Youngstrom, E. A., Prinstein, M. J., Mash, E. J., & Barkley, R. A. (Eds.) (2020). Assessment of disorders in childhood and adolescence. Guilford Publications.

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