





## **Training Objectives**

Background on the assessment of English Learners
 Key features of the Ortiz PVAT

Data collection and psychometric properties of the Ortiz PVAT
 Administration and online scoring of the Ortiz PVAT

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- Administration and online scoring of the
- Interpretation of the Ortiz PVATCase study examples for the Ortiz PVAT
- Demonstration of the Ortiz PVAT

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Background on the Assessment of English Learners

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# Primary Goals of the Ortiz PVAT

 Focus on evaluation of language acquisition and development in an efficient manner (avoid nonverbal approach);
 Ensure applicability for both native English speakers and English learners (integrate fairness issues in construction);

3. Provide valid test scores regardless of the examinee's native language and current level of English proficiency (control for differences in exposure to English);

4. Create an assessment that does not require the administrator to be bilingual or use a language other than English for administration (embrace universal design concepts).

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Key Features of the Ortiz PVAT

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### **Key Features**

€10 to 15 minutes to administer Ecologically valid visual stimuli

Neutral audio recording

Parallel Forms: Form A & Form B

#Ages: 2 years 6 months to 22 years 11 months



Ages: 2 years 0 months to 22 years 11 months
Fully Digital with built-in basal and ceiling
Parts of Speech and word types assessed
Comprehensive, Computerized reports
Answers the question is it a difference or a disorder?
Revolutionary dual normative samples with control for English exposure

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# Data Collection Procedures for the Ortiz PVAT

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### **Data Collection**

Data collection took place from November 2015 to June 2016 2 general population samples were collected
 English Speakers
 English learners

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# English Speaker Normative Sample Data collected to match 2014 U.S. Census Data Defined as "speak only English" Gender was balanced within each age group Target demographic variable were collected: Race/ethnicity, geographic region, and parental Race/ethnicity, geographic region, and parental Race/ethnicity, geographic region, and parental Race/ethnicity is performed by the sample

Ortiz PVAT English Speaker Normative Sample



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Assessed over a 2-week to 4-week period
English speakers corrected r = .81 (Form A) and .75 (Form B)
English Learners corrected r = .72 (Form A) and .76 (Form B)
All p < .001</li>

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## **Content Validity**

Validity of the Ortiz PVAT assessed by extensive subject-matter experts
 \$LPs and psychologists
 Extensive knowledge in language development and the assessment of culturally and linguistically diverse populations

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### **Internal Structure**

Unidimensional nature of vocabulary Inter-item correlations ranged from -.47 to .73 (median r = .044)

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### Relationship to Clinical Diagnosis

Intellectual Disability

- Language Disorder with receptive (or mixed receptive-expressive) impairment)
- Language Delay with receptive (or mixed receptive-expressive) impairment
- Autism Spectrum Disorder (ASD)
- Specific Learning Disability with impairment in reading
- #Attention-Deficit/Hyperactivity Disorder
- Language Disorder with expressive impairment

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Raw Score	0			
	0	167	n/a	n/a
Standard Score	55	145	100	15
Percentile Rank	1	99	50	n/a
Stanine	1	9	5	2
Age Equivalent	<2.6	>19.3	n/a	n.a







### Interpretation of the Ortiz PVAT Scores

- Establish Context and Determine Validity
- Interpret the Scores
- Review Instructional Needs & Intervention Recommendations
- Examine Performance by Vocabulary Type

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### **General Administration Guidelines**

Ages 2 years 6 months to 22 years 11 months

Not a timed assessment of vocabulary

Takes approximately 10-15 minutes to administer Ceiling 5 errors on 10 consecutive items



Can be administered on a desktop, laptop, or tablet

- #It is critical that the audio component is clear and comprehensible
- Examinees can use a computer mouse, touchpad on a laptop, or a touchscreen to select their responses
- Administer on an individual basis, in person with little distractions

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### System Requirements for the Ortiz PVAT

### MHS Assessment Center+

- Microsoft Internet Explorer® version 11
- Mozilla Firefox<sup>®</sup> version 45.0
- Google Chrome<sup>®</sup> version 55
- Apple Safari® version 8.0
- Screen resolution of 1366 × 768 pixels

PVAT

- Ortiz PVAT Application Windows<sup>®</sup> 8.1, Windows<sup>®</sup> 10 Dual-Core 2.4 GHz processor
- 512 MB of RAM
- 1.1 GB of hard drive disk space
- Screen resolution of 1366 × 768 pixels
   A mouse, pointing device, or touchscreen device
- Internet access (at minimum, to initiate the assessment and to send results to the Portal for scoring and reporting)
  IOS application now available!

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Example Case Study: Dandee L.



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With respect to using the Ortiz PVAT, the language difference in this case does not prevent its use

The dual-norms: a set of norms for Bennie that provide comparison to other English learners for diagnostic purposes just as it did for Dandee

Bennie's score of 102 places his performance within the Average range vocabulary acquisition in English is comparable to his true English learner peers (does not suggest any type of language problem)

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