

Disclosures

- Stacey Pavelko is the co-owner of SUGARLanguage, LLC and is receiving an honorarium for this presentation
- Stacey Pavelko is an employee of Binghamton University and receives a salary
- Stacey Pavelko has no relevant non-financial relationships to disclose
- Stacey, Pavelko will be presenting the SUGAR method of language sampling and will not be discussing other methods

SUGAR Sampling Utterances and Grammatical Analysis Revised

SUG

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Language sampling is the hea<mark>rt and soul</mark>
of language assessment, reflectin<mark>g language</mark> as
it is used in the fluid give and take of
conversation and representing, as best we can, a
child's typical usage.

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Advance Organizer				
LSA Background and Use What is SUGAR?				
Robust Sampling				
Transcription				
Transcription				
	SUGAR			
SUGARLENguage LC 2021 0				
Components of a Comprehensive				
anguage Assessment				
Referral				
Questionnaire and Interview				
Case History				
Observation				
Standardized Testing				
Dynamic Assessment				
Language Sample Analysis (LSA)				
Recommendations				
	SUGAR			
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Sampling				
Jumping				
An Alternative Method				
An Alternative Method				
est general indication of language use				
fore naturalistic than testing	ALL IN			
orrelates well with results from many test formats	12			. <u></u>
	(April)			
Only way to elicit some language features				

Potentially represents everyday use



Roger Brown

- Seminal study of early language development, entitled A First Language (1973) *
- Revolutionized the study of child language development studies
- Changed the assessment of communication abilities of children with language impairment (LI).
- SLP's have changed the basic methodology very little in the intervening four decades.

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Brown's Work

- Collected extensive language samples
- Each sample consisted of at least 700 utterances per month
- Sample size only included 3 children
- $\mbox{ \bullet }$ Documented information on early language form between ages 2 4
- Different grammatical stages described by mean length of utterance (MLU)

SUGA

Brown's Participants

- Three typically developing (TD) children
 Adam: 27 months old; parent's education level- college
- Eve: 18 months old; father's education- college; mother's education- high school
- Sarah: 27 months old; parent's education level- high school
- Children were typically developing (TD)
- All from Cambridge, Massachusetts
- Parent occupations: Minister, Harvard graduate student, and clerk

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Brown's Methods

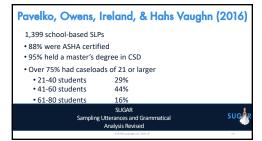
- Transcriptions of the mother and child were collected
- Samples were collected in the home
- \bullet A minimum of $\underline{two\ hours\ o}f$ transcription per month
- <u>Two examiners</u> per language sample
- Examiners used a video recorder to collect the samples

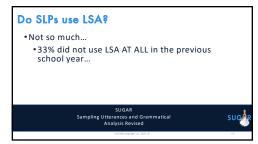
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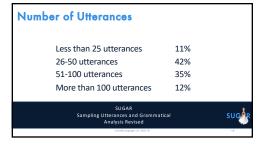
Research Questions	
Do school-based SLPs use LSA in their clinical practice	
 What are the characteristics of the language samples SI collect? 	LPs
What are the methods of analysis?	
What are the barriers that school-based SLPs identify in LSA?	ı using
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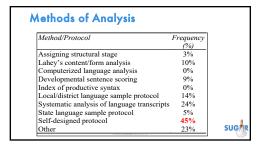
Frequency of Sampling				
10 or fewer Samples	55%			
11-20 Samples	23%			
21-30 Samples	9%			
> 30 Samples	11%			
* Of the 67% who reported using LSA during the previous school year				
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Sample Length		
1-5 Minutes	27%	
6-10 Minutes	46%	
11 minutes or longer	27%	
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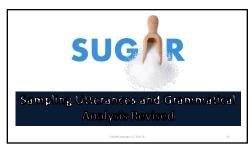
Elicitation Task					
	Birth to	Preschool (ages 3-5)	Elementary School	Middle School	High School
Conversation	96%	96%	96%	93%	94%
Narrative (e.g., "tell me a story")	63%	69%	74%	75%	75%
Expository (e.g. "Explain how you")	40%	39%	41%	42%	42%
Picture description	73%	74%	76%	71%	74%
Observation of child communication in school setting	76%	77%	70%	72%	73%
Other	14%	8%	7%	6%	5%

Recording the Samp	le			
Audio	43%			
Video	17%			
Neither*	52%			
Transcribe what the child is saying while the child is talking*				
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SUGAR changes to LSA	
• Robust Sample • Transcription Rules • Analysis Rules	
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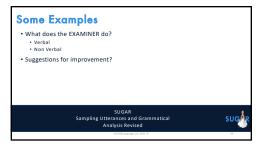
What is a Robust Sample? THE MOST IMPORTANT PART!! Engages the child in a conversation that gives the child the opportunity to produce complex language Allows the child to control the interaction Children are more communicative and use more complex language

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Collecting a Robust Sample Offer the child every opportunity to produce complex language Turnabouts Process Questions Narrative Elicitations

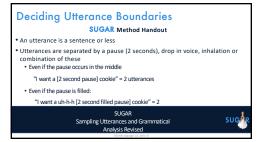
SUGAR Conversational Strategies • Turnabouts = Comment + Cue for child to talk • Process Questions • How did • I wonder what you • Why did • More than one-word "why" questions • Not appropriate for kids below 4.5 yrs	
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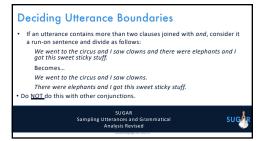




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ı	Determining A Robust Sample		
ı			
ı	• In your sample		
ı	 Are there 10 child utterances that are one-word? Were these utterances prompted by the examiner? 		
ı	• If yes NOT a robust sample		
ı	• An Example		
ı	• What did the <u>examiner</u> say?		
ı			
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ı	If at first you don't succeed		
ı			
ı	Remember, you need a robust sample!		
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L	SUGARLanguage LLC 2021 ©	в	
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ı	Recording Samples		
ı	. Most shildren suon those with language disarders will		
I	 Most children, even those with language disorders, will produce 50 utterances in about 7 minutes 		
ı	Record on a SECURE device		
ı	Remember HIPAA		
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SUGAR changes to LSA	
Robust Sample Transcription Rules Analysis Rules	
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Unintelligible Words & Utterances • If the entire utterance is unintelligible, omit it. • If a word is unintelligible, type nonsense, such as "XXX" in place of the word. • You can have two unintelligible words in an utterance. If an utterance has 3 or more unintelligible words, omit the utterance. SUGAR Sampling Utterances and Grammatical Analysis Revised

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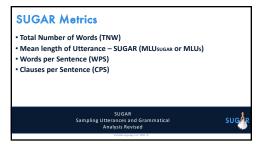
SUGAR Transcription Transcribe the sample directly into your computer. Only type the student's utterances, NOT yours. Turn the "Numbering" function on to ensure you only type 50 utterances. Type in plain English as spoken. Omit punctuation to save time. SUGAR Sampling Utterances and Grammatical Analysis Revised

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SUGAR Transcription Do NOT embellish the student's utterance. In other words, don't add morphemes that are missing. Type words in full even when pronunciation omits portions as follows: Talkin' should be transcribed as "Talking" Gonna, wanna, gotta, hafta should be transcribed as "going to, want to, got to, have to". Type contractions as is. In other words, don't should be typed as "don't" and I'm as "I'm" SUGAR Sampling Utterances and Grammatical Analysis Revised

SUGAR Transcription			
Do NOT include fillers (uhhhh, ummm, like, you know). Do NOT include disfluences. Only include the fullest form of what the student actually said. Example: "He saidhe sayshe tell me secrets" becomes "the tell me secrets."			
Do NOT include repeated words unless it is for emphasis, as in "He went down down down in the cave."			
Highlight elliptical and imperative utterances			
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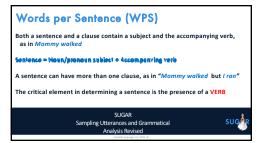


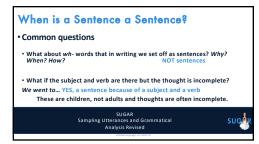
	Morpheme	Example
MLUSUGAR	-ing	
000AR	adjective	Smiling girl
	gerund	I love hiking
	progressive verb	He is jumping
	-s	
	plural	Cats
	possessive	Mommy's shirt
	third person singular	He walks
	-ed	
	adjective	I am married
	regular past tense	He scared me
	dis-	Dislike
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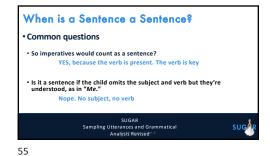
	Morpheme	Example
MLUSUGAR	-er	
	comparative	Bigger
	-est	
	superlative	Biggest
	-ful	Thoughtful
	-ish	Foolish
	-ly	Really
	-ment	Entertainment
	re-	Reteach
	-sion	Discussion
	-tion	Education
	un-	Unhappy
SUGAR	-у	
	adjective	Bumpy

MLU _{SUGAR}	
• 2 Morphemes • Wanna, gotta, hafta	
• 3 Morphemes • gonna	
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Clauses per Sentence (CPS)

A clause contains a subject and the accompanying verb

The critical element in determining a clause is the presence of a VERB and a unique subject

Two clauses:
I walked to the store while my mom cleaned the house

One Clause
I walked to the store and cleaned the house

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