

Dynamic Assessment of Verbal Imitation (DAVI)

Amended for Use By Clinicians Planning to Treat Speech Comprehensibility in Students with DS

4/15/2015

Purpose

The purpose of this assessment is to measure the number of teaching trials that a child requires to successfully imitate the ten developmentally-sequenced items listed on the DAVI score sheet.

Administration Procedures

*Administration of the DAVI may take up to three sessions, depending on a child's performance.

Start Rule: In session 1, the examiner should begin administration of the DAVI with Item 1. In subsequent sessions, the examiner should begin administration with the developmentally easiest item to be presented.

Item Presentation: In each presentation of an item, the adult demonstrates the item and then prompts the child to imitate it, by saying, "You say it!"

Evaluation of Child Response: The child's response is evaluated as being (a) an approximation of the target item, (b) and exact imitation of the target item, or (c) neither an approximation or exact imitation.

An approximation is defined as a child response that includes (a) at least one consonant or developmentally typical consonant substitution plus (b) at least one vowel produced in the correct position for each word in the stimulus item. Developmentally typical consonant substitutions were defined in accordance with the "Developmentally Typical and Atypical Consonant & Vowel Substitutions Chart" at the end of this manual.

An exact imitation was defined as a production that involved (a) every consonant (i.e., no substitutions) plus (b) every vowel produced in correct position for each syllable or word of an item.

According to the examiner's evaluation of the child's response, the item is either retired or continued.

Retire Rule: The examiner should "retire" an item when a child produces either an acceptable approximation or exact imitation of the item. Once an item is retired, it is not presented again within a session or at subsequent assessment sessions.

Continue Rule: If a child does not accurately approximate or exactly imitate an item upon the first presentation, then the examiner should present the again, up to 3 times within a session, in up to 3 sessions (up to nine total presentations).

Feedback on Child Response: The adult provides feedback for every child response, according to whether the child’s response does or does not meet criteria for being an approximation or imitation of the adult model.

In response to a child vocalization that is not an approximation or exact imitation, the adult responds with “Good talking!”

In response to an approximation or exact imitation, the adult presents a reward (e.g., sticker or food) and says “You said it right!”

Stop Rule: The examiner should stop DAVI administration once the child has provided an approximation or exact imitation of all 10 items and/or reached the maximum number of presentations for each item (up to nine total presentations).

One presentation of an item can be summarized as follows:

- An adult ‘demonstration’ of the test item
- Followed by the prompt “You say it!”
- Followed by a child attempt
- If the child responds with approximation or exact imitation, say “You said it right!”, present a reward, and retire the item.
- If the child gives a response that is not an approximation or exact imitation, say “Good talking!” and continue to present the item for up to three times per session in up to three sessions in total (for up to nine total presentations).

Scoring Procedures

*Scoring for the DAVI may be completed live or from video or audio records.

Recording the Date: The examiner should record the date of each testing session in the DATE column of the DAVI Score Sheet as indicated below.

Tracking of Item Presentations: Examiners should track each time an item is presented by placing an “X” in the ITEM PRESENTATIONS column of the score sheet corresponding to the appropriate session and presentation number.

Evaluating Child Responses As Retired: When an item is retired, the examiner should place an “X” under the RESPONSE column of the score sheet to indicate whether the child’s response met the criteria for: Approximation (A) or Exact Imitation (E).

Determining the Total Number of Trials Provided: After testing has been completed, the examiner should record the number of times that each item was presented before being retired in the Total Trials column.

Deriving the Weighted Score for Exact Imitations: After all of the DAVI items have been either ‘retired’ or presented 3 times across 3 sessions (for nine presentations total), a weighted score for exact imitations is generated as follows:

- Circle each Exact Imitation (E).
- Assign weighted points to each Exact Imitation (E) based upon the number of Total Trials (1-9) provided in the Weighted Score column of the score sheet:
 - Exact Imitation generated after 1, 2 or 3 adult presentations = 3 points
 - Exact Imitation generated after 4, 5 or 6 adult presentations = 2 points
 - Exact Imitation generated after 7, 8 or 9 adult presentations = 1 point
- Sum the weighted scores column to find the **Total Weighted Exact Imitation Score**.

DAVI Score Sheet Example

Date			Item Presentations			Response		Total Trials	Weighted Score	COMMENTS
10/5/10			Aah			A	E	5	2	
10/5/10 10/6/10	1	1	x	x	x					
		2	x	x			x			
		3								
10/5/10			Woof-Woof			A	E	2	3	
10/5/10	2	1	x	x			x			
		2								
		3								
10/5/10			Ma			A	E	3	0	
10/5/10	3	1	x	x	x	x				
		2								
		3								
10/5/10			Pa			A	E	7	1	
10/5/10 10/6/10 10/7/10	4	1	x	x	x					
		2	x	x	x					
		3	x				x			
10/5/10			Hi			A	E	2	0	
10/5/10	5	1	x	x		x				
		2								
		3								
10/5/10			Bye-Bye			A	E	4	0	
10/5/10 10/6/10	6	1	x	x	x					
		2	x			x				
		3								

10/5/10			Cookie			A	E	1	0
	7	1	x			x			
		2							
		3							
10/5/10 10/6/10			She wants more.			A	E	6	2
	8	1	x	x	x				
		2	x	x	x		x		
		3							
10/5/10			His mother opens the box.			A	E	2	3
	9	1	x	x			x		
		2							
		3							
10/5/10 10/6/10			Susan is brushing her teeth.			A	E	5	0
	10	1	x	x	x				
		2	x	x		x			
		3							
Total Weighted Exact Imitation Score:								11	

DAVI Score Sheet Blank

Date		Item Presentations			Response		Total Trials	Weighted Score	COMMENTS
	1	Aah			A	E			
		1							
		2							
		3							
	2	Woof-Woof			A	E			
		1							
		2							
		3							
	3	Ma			A	E			
		1							
		2							
		3							
	4	Pa			A	E			
		1							
		2							
		3							
	5	Hi			A	E			
		1							
		2							
		3							
	6	Bye-Bye			A	E			
		1							
		2							
		3							

		Cookie			A	E			
7	1								
	2								
	3								
		She wants more.			A	E			
8	1								
	2								
	3								
		His mother opens the box.			A	E			
9	1								
	2								
	3								
		Susan is brushing her teeth.			A	E			
10	1								
	2								
	3								
Total Weighted Exact Imitation Score:									