

For Logical Memory Delayed Recall information, please refer to the NP summary score dataset for in-depth FHS testing protocol. The following are the relevant citations for the test contents.

Neuropsychological test	Reference
Logical Memory – Anna Thompson story Visual Reproductions Paired Associate Learning	Wechsler, D., & Stone, C. P. (1948). <i>Wechsler Memory Scale (WMS)</i>. New York: The Psychological Corporation.
Logical Memory – Joe Garcia story	Wechsler, D. (1997). <i>Wechsler Memory Scale- Third Edition (WMS-III)</i>. San Antonio, TX: The Psychological Corporation.

Recordings were manually and orthographically transcribed with the EUDICO Linguistic Annotator (ELAN) tool using the Code for the Human Analysis of Transcripts (CHAT) format system. Utterance boundary definitions followed guidelines proposed by the Language Development Project (https://ldp-uchicago.github.io/docs/guides/transcription/sect_4.html). The transcribed data were analyzed with the Computerized Language Analysis (CLAN) software.

For transcriptions, the figure below shows how the audio was transcribed and describes the symbols used in the transcriptions.

Spoken Words	Transcription with symbols	Description
"Betty Smith...from South Texas."	Betty Smith (,) from South Texas .	If a pause of less than 2 seconds present, treated as one utterance.
"and her car broke down... she needed to make it to her meeting."	and her car broke down (,) . she needed to make it to her meeting .	If a pause is more than 2 seconds, a new utterance marked.
<p>"Betty Smith from South Texas."</p>	Betty Smith . from South Texas .	Drop in intonational contour at the end of the phrase separated into two utterances.
"Betty Smith of South Texas was um is was late for her job interview."	Betty Smith of South Texas <was> [/] &-ehm <is> [/] was late for her job interview .	Self-correction marked as one utterance.
"and they had not. she was hoping to catch a taxi."	and they had not +// . she was needing the money for rent .	Self-interruption with a completely different thought separated into two utterances.
"what about when is Maggie coming?"	<what about> [-] when is Maggie coming ?	A stumble over words transcribed in a single utterance.
"and she worked as a lawyer. and she lived with her husband. and she wanted to go on holiday. and she missed her flight."	and she worked as a lawyer . and she lived with her husband . and she wanted to go on holiday . and she missed her flight .	If multiple utterances are stringed with conjunction 'and', each is marked as a new utterance.

Symbol	Description
→	Intonation contour
(,)	Pause
<>	Self-corrected words added into brackets
[/]	Retracing with self-correction
&-	Filled pauses
+//	Self interruption
[-/]	False start without retracing
+...	Trailing off
[?]	Best guess
[% text]	Comment
[=!]	Laughing (or other paralinguistic events) Ex: [=! cries]