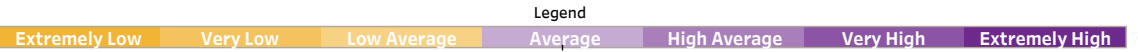


Cognitive Assessments - Summary

This dashboard is a summary of research results. These instruments were administered for research purposes only and are not meant to be interpreted as clinical assessments. If you have any questions or would like additional information, please contact the research team.

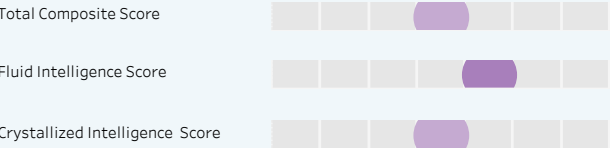
MRN:	100001	Date:	January 2, 2022
Timepoint:	Baseline	Age:	15
		Report Version:	V1; 1-Jan-2022

The participant has provided consent for us to share these results with you. This report has not been shared with the participant or their family.



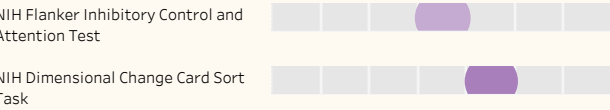
Composite Scores - NIH Toolbox

- **Fluid Intelligence:** used to solve problems, think and act quickly, and encode new episodic memories. Fluid intelligence plays an important role in adapting to novel situations in everyday life.
- **Crystallized Intelligence:** accumulated stores of verbal knowledge and skills. Crystallized intelligence is more heavily influenced by education and cultural exposure, particularly during childhood.



Executive Functioning

- **Executive Functioning:** the capacity to plan, organize and monitor the executive of behaviours that are strategically directed in a goal-oriented manner.



Processing Speed

- **Processing Speed:** the amount of information that can be processed within a certain unit of time.



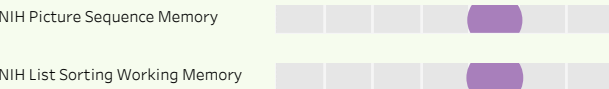
Problem Solving & Reasoning

- **Matrix Reasoning:** assesses nonverbal reasoning, as well as visual intelligence, part-whole spatial reasoning, perceptual organization, attention to visual detail, and sequencing.

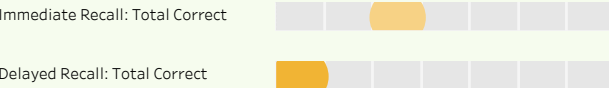


Memory

- **Episodic Memory:** Cognitive processes involved in the acquisition, storage and retrieval of new information.
- **Working Memory:** The ability to store information until the amount of information to be stored exceeds one's capacity to hold that information.

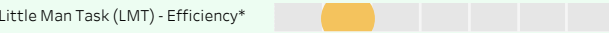


Verbal Learning Test (RAVLT)



Visual Problem Solving

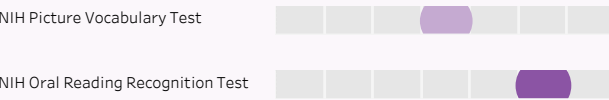
- **Visual Problem Solving:** measures visual-spatial processing and reasoning, specifically mental rotation with varying degrees of difficulty.



*Measured as ratio of percentage correct/correct reaction time

Language

- **Language:** a set of mental processes that translate thought into symbols (i.e., words and gestures), which can be shared among individuals for purposes of communication. The two aspects of language assessed by these tasks are receptive word knowledge and reading decoding skill.



Areas of Strength	Areas of Need
Executive Functioning	Verbal Learning
Processing Speed	Visual Problem Solving
Problem Solving & Reasoning	
Memory	
Language	

Participant Assessment - Details

- The participant was able to follow instructions and complete the task:
- With no difficulty With significant difficulty
- The participant completed the assessment with adequate breaks:
- Only planned break needed Additional breaks needed
- The participant completed the assessment without external interruption:
- No interruptions Interruptions may have impacted performance

Interpretation

A number of short cognitive tasks were used to understand the participant's current strengths and areas of challenge. The participant's performance on the various tasks were described using percentiles, which have been represented as ranges for the purposes of this dashboard:

Extremely High: ≥98th percentile;	Very High: 91st – 97th percentile;
High Average: 75th – 90th percentile;	Average: 25th – 74th percentile;
Low Average: 9th – 24th percentile;	Very Low: 3rd – 8th percentile;
Extremely Low: ≤ 2nd percentile	

Disclaimer

This summary of research results is intended for internal use only. Please do not distribute these results or forward this information to clients, families, educators, or other external parties.