

Strongly Impaired [percentile rank <= 2%]

Cognitive Screening Results Interpretation

The following is a comprehensive interpretation of the cognitive screening results, evaluating various cognitive domains and abilities.

Verbal Short-Term Memory (Strongly Impaired)

The individual's verbal short-term memory capacity is severely impaired. During the assessment, they displayed significant difficulties in retaining and recalling verbal information over brief periods.

Visual-Spatial Attention (Strongly Impaired)

- a) **Processing Speed:** The individual's processing speed during visual-spatial tasks is severely impaired, indicating difficulties in quickly processing and responding to visual information.
- b) **Accuracy:** The individual's accuracy in visual-spatial attention tasks was markedly impaired, suggesting challenges in maintaining precision while completing visual tasks.
- c) **Laterality:** The individual's laterality skills were strongly impaired, showing significant slowdown on the right or left visual field, this may indicate a neglect or a hemianopsia.

Spatial Cognition (Strongly Impaired)

The individual's spatial cognition abilities are severely impaired, with markedly slow problem-solving speed in spatial tasks. Indicating significant challenges in acquisition, organization, utilization, and revision of knowledge about spatial environments

Working Memory (Strongly Impaired)

The individual's working memory is significantly impaired. They experienced substantial difficulties in retaining and manipulating number sequences during the assessment.

Wordfinding - Language (Strongly Impaired)

During the language assessment, the individual's wordfinding abilities were strongly impaired, indicating significant challenges in accessing and articulating suitable words for generic terms.

Tower of London (Planning and Problem Solving) (Strongly Impaired)

The individual's performance in the Tower of London task indicated severe impairments in planning and problem-solving skills. They struggled to devise effective strategies to achieve goals, indicating significant difficulties in executive functioning.

Verbal Memory (Delayed Verbal Recall) (Strongly Impaired)

The individual's ability for delayed verbal recall was found to be severely impaired. They had substantial difficulties in recalling verbal information after a medium delay, indicating significant challenges in long-term memory abilities.

Summary: The cognitive screening results indicate significant impairments across all cognitive domains, including verbal short-term memory, visual-spatial attention, spatial cognition, working memory, wordfinding - language, planning, and problem-solving abilities. These findings suggest that the individual is facing substantial cognitive challenges that may significantly impact their daily functioning. A comprehensive evaluation and targeted interventions are essential to understand and address these cognitive deficits appropriately.

Impaired [percentile rank <= 7%]

Cognitive Screening Results Interpretation

The following is a comprehensive interpretation of the cognitive screening results, evaluating various cognitive domains and abilities.

Verbal Short-Term Memory (Impaired)

The individual's verbal short-term memory capacity is impaired. During the assessment, they displayed notable mild to moderate difficulties in retaining and recalling verbal information over brief periods.

Visual-Spatial Attention (Impaired)

- a) **Processing Speed:** The individual's processing speed during visual-spatial tasks is impaired, indicating challenges in quickly processing and responding to visual information.
- b) **Accuracy:** The individual's accuracy in visual-spatial attention tasks was impaired, suggesting difficulties in maintaining precision while completing visual tasks.
- c) **Laterality:** The individual's laterality skills were impaired, showing some slowdown on the right or left visual field, which may indicate a neglect or a hemianopsia.

Spatial Cognition (Impaired)

The individual's spatial cognition abilities are impaired, with slower problem-solving speed in spatial tasks. Indicating challenges in acquisition, organization, utilization, and revision of knowledge about spatial environments.

Working Memory (Impaired)

The individual's working memory is impaired. They experienced difficulties in retaining and manipulating number sequences during the assessment.

Wordfinding - Language (Impaired)

During the language assessment, the individual's wordfinding abilities were impaired, indicating challenges in accessing and articulating suitable words for generic terms.

Tower of London (Planning and Problem Solving) (Impaired)

The individual's performance in the Tower of London task indicated impairments in planning and problem-solving skills. They faced challenges in devising effective strategies to achieve goals, suggesting difficulties in executive functioning.

Verbal Memory (Delayed Verbal Recall) (Impaired)

The individual's ability for delayed verbal recall was found to be impaired. They had difficulties in recalling verbal information after a medium delay, indicating challenges in long-term memory abilities.

Summary: The cognitive screening results indicate impairments across various cognitive domains, including verbal short-term memory, visual-spatial attention, spatial cognition, working memory, wordfinding - language, planning, and problem-solving abilities. These findings suggest that the individual is facing cognitive challenges that may impact their daily functioning to a certain degree. A comprehensive evaluation and targeted interventions are recommended to address these cognitive deficits appropriately and support the individual's cognitive functioning effectively.

Lower Average [percentile rank <= 16%]

Cognitive Screening Results Interpretation

The following is a comprehensive interpretation of the cognitive screening results, evaluating various cognitive domains and abilities.

Verbal Short-Term Memory (Lower Average)

The individual's verbal short-term memory capacity falls within the lower average range. During the assessment, they exhibited some difficulty in retaining and recalling verbal information over brief periods, but the performance is generally within an acceptable range.

Visual-Spatial Attention (Lower Average)

- a) **Processing Speed:** The individual's processing speed during visual-spatial tasks is in the lower average range, indicating a moderate ability to process and respond to visual information.
- b) **Accuracy:** The individual's accuracy in visual-spatial attention tasks was in the lower average range, suggesting some challenges in maintaining precision while completing visual tasks.
- c) **Laterality:** The individual's laterality skills were in the lower average range, with minor slowdowns on the right or left visual field, indicating mild difficulties in spatial orientation.

Spatial Cognition (Lower Average)

The individual's spatial cognition abilities are in the lower average range, with moderate speed in solving spatial tasks. While their performance is within an acceptable range, it may be beneficial to monitor this ability for any changes over time.

Working Memory (Lower Average)

The individual's working memory for memorized numbers is within the lower average range. They demonstrated some ability to retain and manipulate number sequences during the assessment.

Wordfinding - Language (Lower Average)

During the language assessment, the individual's wordfinding abilities were in the lower average range, indicating moderate challenges in accessing and articulating suitable words for generic terms.

Tower of London (Planning and Problem Solving) (Lower Average)

The individual's performance in the Tower of London task indicated planning and problem-solving skills in the lower average range. They demonstrated some ability to devise effective strategies to achieve goals, although improvements may be beneficial.

Verbal Memory (Delayed Verbal Recall) (Lower Average)

The individual's ability for delayed verbal recall was found to be in the lower average range. They showed satisfactory recall of verbal information after a medium delay, indicating typical long-term memory abilities within an acceptable range.

Summary: The cognitive screening results indicate performance in various cognitive domains within the lower average range, including verbal short-term memory, visual-spatial attention, spatial cognition, working memory, wordfinding - language, planning, and problem-solving abilities. While some challenges are evident, the individual's cognitive functioning is generally within acceptable limits. Targeted interventions and support may enhance specific cognitive abilities and optimize overall functioning, considering their lower average performance in certain domains.

Normal [from 16% and higher]

Cognitive Screening Results Interpretation

The following is a comprehensive interpretation of the cognitive screening results, evaluating various cognitive domains and abilities.

Verbal Short-Term Memory (Normal)

The individual's verbal short-term memory capacity falls within the normal range. During the assessment, they demonstrated typical abilities in retaining and recalling verbal information over brief periods.

Visual-Spatial Attention (Normal)

- a) **Processing Speed:** The individual's processing speed during visual-spatial tasks is within the normal range, indicating efficient processing and response to visual information.
- b) **Accuracy:** The individual's accuracy in visual-spatial attention tasks was within the normal range, suggesting precision while completing visual tasks.
- c) **Laterality:** The individual's laterality skills were within the normal range, showing appropriate spatial orientation.

Spatial Cognition (Normal)

The individual's spatial cognition abilities are within the normal range, with a good speed in solving spatial tasks. Their performance in this domain is typical and does not raise any concerns.

Working Memory (Normal)

The individual's working memory for memorized numbers is within the normal range. They demonstrated the ability to retain and manipulate number sequences during the assessment, showcasing typical working memory abilities.

Wordfinding - Language (Normal)

During the language assessment, the individual's wordfinding abilities were within the normal range, indicating ease in accessing and articulating suitable words for generic terms.

Tower of London (Planning and Problem Solving) (Normal)

The individual's performance in the Tower of London task indicated planning and problem-solving skills within the normal range. They showed the ability to devise effective strategies to achieve goals, demonstrating typical executive functioning.

Verbal Memory (Delayed Verbal Recall) (Normal)

The individual's ability for delayed verbal recall was found to be within the normal range. They showed satisfactory recall of verbal information after a medium delay, indicating typical long-term memory abilities.

Summary: The results indicate performance in all cognitive domains within the normal range, including verbal short-term memory, visual-spatial attention, spatial cognition, working memory, wordfinding - language, planning, and problem-solving abilities. The individual's cognitive functioning is typical and does not indicate any significant challenges. These results suggest that the individual's cognitive abilities are within expected levels for their age and gender. No immediate intervention is required, but continued monitoring of cognitive functioning may be beneficial. Additionally, "normal" cognitive screening results do not account for other factors such as emotional well-being and external environmental influences, which can also affect daily activities and limitations.