



# WAIS<sup>®</sup>-IV

WECHSLER ADULT INTELLIGENCE SCALE<sup>®</sup>- FOURTH EDITION

## WAIS<sup>®</sup>-IV Wechsler Adult Intelligence Scale<sup>®</sup>-Fourth Edition Score Report

|                 |            |                    |                   |            |
|-----------------|------------|--------------------|-------------------|------------|
| Examinee Name   | Adult Ex   | Date of Report     | 2019/02/18        |            |
| Examinee ID     | 121233     | Years of Education | 21                |            |
| Date of Birth   | 1946/03/01 | Primary Language   | English           |            |
| Gender          | Male       | Handedness         | Right             |            |
| Race/Ethnicity  | Caucasian  | Examiner Name      | Susan Raiford     |            |
| Date of Testing | 2016/11/25 | Age at Testing     | 70 years 7 months | Retest? No |

Comments:



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[ 1.0 / RE1 / QG1 ]

### Composite Score Summary

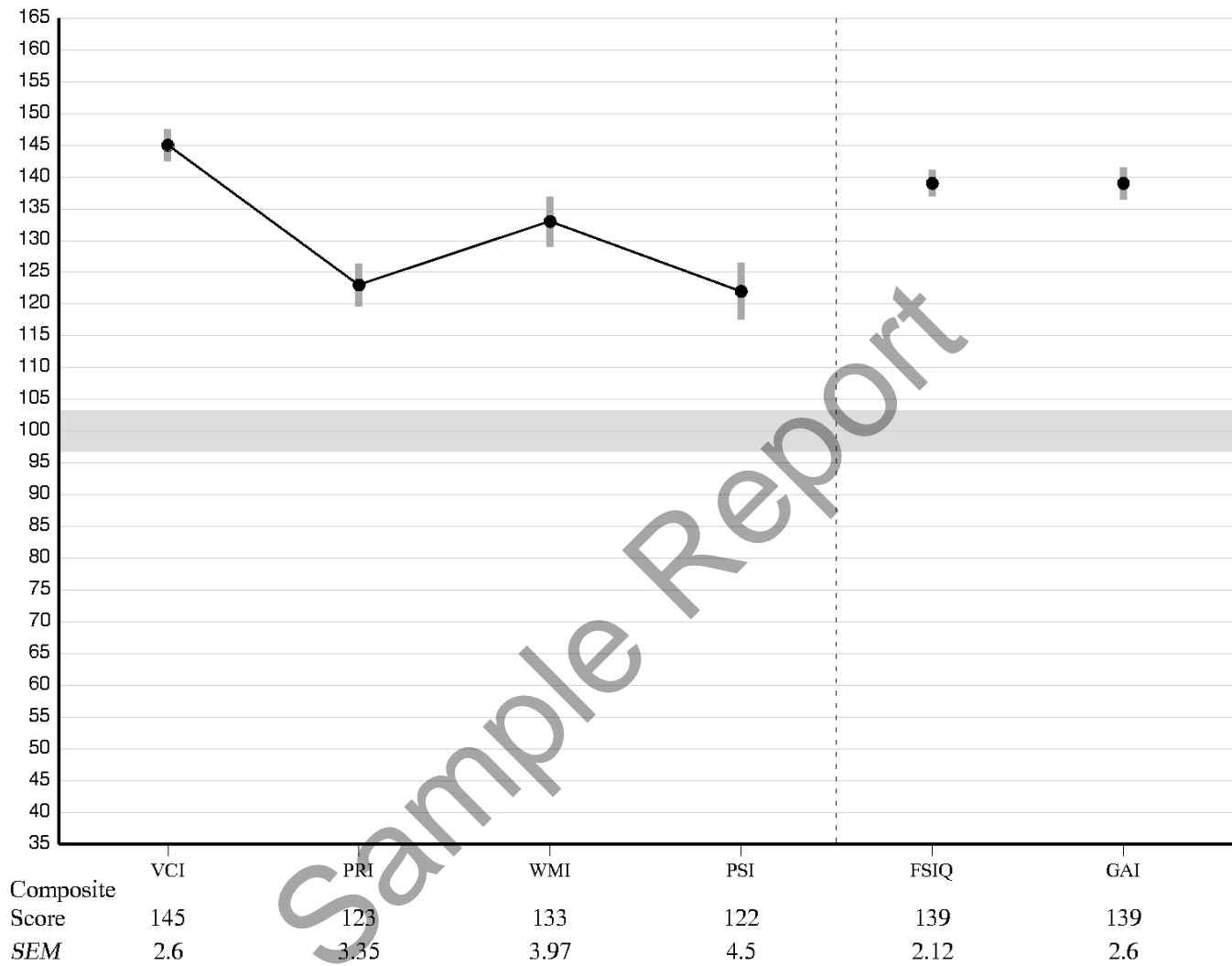
| Scale                | Sum of Scaled Scores | Composite Score | Percentile Rank | 95% Conf. Interval | Qualitative Description |
|----------------------|----------------------|-----------------|-----------------|--------------------|-------------------------|
| Verbal Comprehension | 52                   | VCI 145         | 99.9            | 138-149            | Very Superior           |
| Perceptual Reasoning | 42                   | PRI 123         | 94              | 116-128            | Superior                |
| Working Memory       | 32                   | WMI 133         | 99              | 124-138            | Very Superior           |
| Processing Speed     | 28                   | PSI 122         | 93              | 111-128            | Superior                |
| Full Scale           | 154                  | FSIQ 139        | 99.5            | 134-142            | Very Superior           |
| General Ability      | 94                   | GAI 139         | 99.5            | 133-143            | Very Superior           |

Confidence Intervals are based on the Overall Average *SEMs*.

The GAI is an optional composite summary score that is less sensitive to the influence of working memory and processing speed. Because working memory and processing speed are vital to a comprehensive evaluation of cognitive ability, it should be noted that the GAI does not have the breadth of construct coverage as the FSIQ.

Sample Report

### Composite Score Profile



*Note.* The vertical bars represent the standard error of measurement (*SEM*). *SEM* values are based on the examinee's age.

## ANALYSIS

### Index Level Discrepancy Comparisons

| Comparison | Score 1 | Score 2 | Difference | Critical Value<br>.05 | Significant<br>Difference<br>Y/N | Base Rate by<br>Overall Sample |
|------------|---------|---------|------------|-----------------------|----------------------------------|--------------------------------|
| VCI - PRI  | 145     | 123     | 22         | 8.31                  | Y                                | 5.7                            |
| VCI - WMI  | 145     | 133     | 12         | 9.30                  | Y                                | 17.7                           |
| VCI - PSI  | 145     | 122     | 23         | 10.19                 | Y                                | 8.0                            |

|            |     |     |     |       |   |      |
|------------|-----|-----|-----|-------|---|------|
| PRI - WMI  | 123 | 133 | -10 | 10.18 | N | 23.4 |
| PRI - PSI  | 123 | 122 | 1   | 11.00 | N | 47.0 |
| WMI - PSI  | 133 | 122 | 11  | 11.76 | N | 23.6 |
| FSIQ - GAI | 139 | 139 | 0   | 3.61  | N |      |

Base Rate by Overall Sample.  
Statistical significance (critical value) at the .05 level.

### Verbal Comprehension Subtests Summary

| Subtest         | Raw Score | Scaled Score | Percentile Rank | Reference Group Scaled Score | SEM  |
|-----------------|-----------|--------------|-----------------|------------------------------|------|
| Similarities    | 36        | 19           | 99.9            | 19                           | 0.95 |
| Vocabulary      | 55        | 17           | 99              | 18                           | 0.67 |
| Information     | 24        | 16           | 98              | 17                           | 0.73 |
| (Comprehension) | 35        | 18           | 99.6            | 18                           | 1.27 |

### Perceptual Reasoning Subtests Summary

| Subtest          | Raw Score | Scaled Score | Percentile Rank | Reference Group Scaled Score | SEM  |
|------------------|-----------|--------------|-----------------|------------------------------|------|
| Block Design     | 42        | 13           | 84              | 9                            | 0.99 |
| Matrix Reasoning | 23        | 17           | 99              | 14                           | 0.90 |
| Visual Puzzles   | 13        | 12           | 75              | 8                            | 0.99 |

### Working Memory Subtests Summary

| Subtest    | Raw Score | Scaled Score | Percentile Rank | Reference Group Scaled Score | SEM  |
|------------|-----------|--------------|-----------------|------------------------------|------|
| Digit Span | 40        | 18           | 99.6            | 17                           | 0.73 |
| Arithmetic | 18        | 14           | 91              | 13                           | 1.20 |

### Processing Speed Subtests Summary

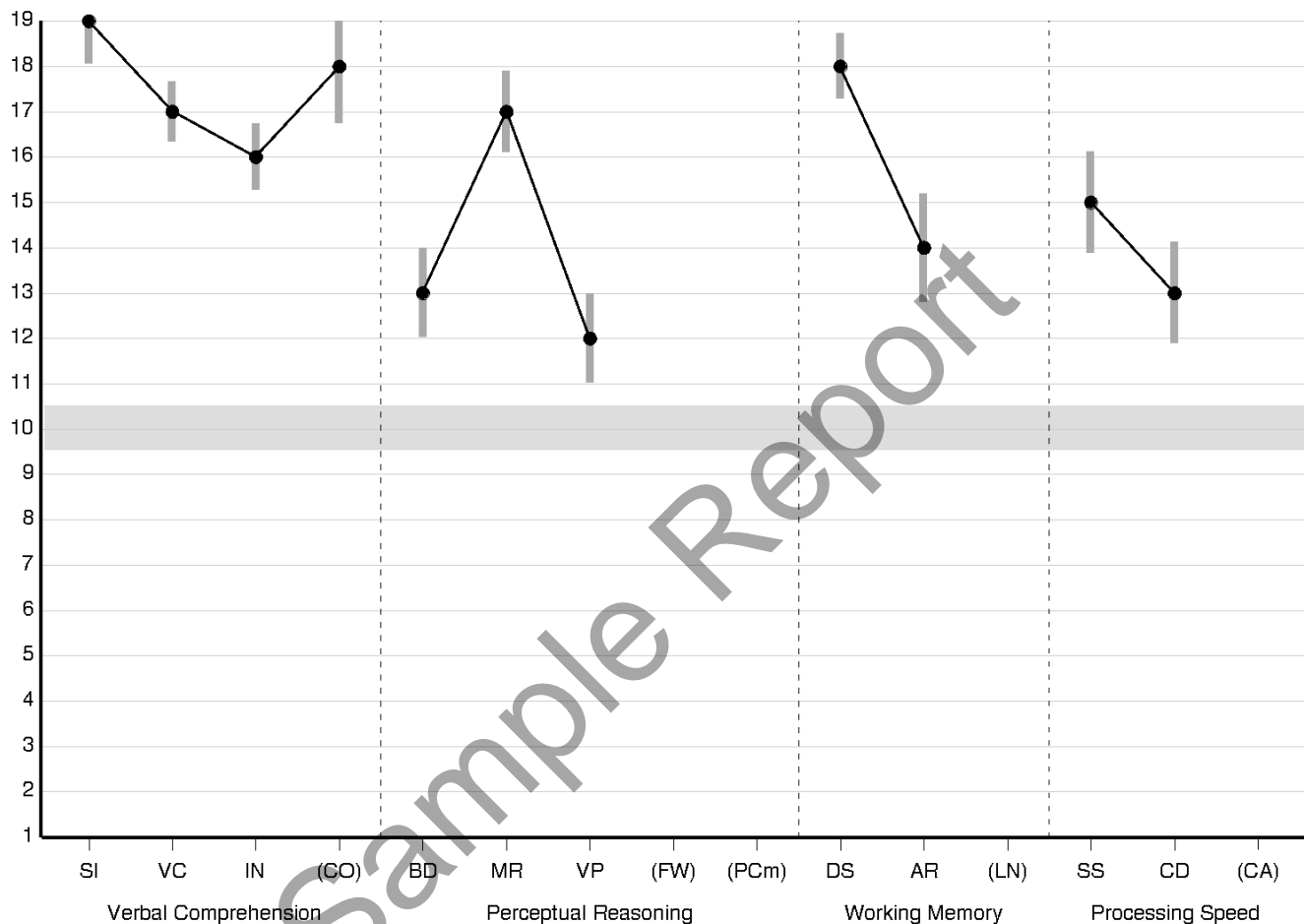
| Subtest       | Raw Score | Scaled Score | Percentile Rank | Reference Group Scaled Score | SEM  |
|---------------|-----------|--------------|-----------------|------------------------------|------|
| Symbol Search | 36        | 15           | 95              | 11                           | 1.12 |
| Coding        | 65        | 13           | 84              | 9                            | 1.12 |

### Subtest Level Discrepancy Comparisons

| Subtest Comparison      | Score 1 | Score 2 | Difference | Critical Value .05 | Significant Difference Y/N | Base Rate |
|-------------------------|---------|---------|------------|--------------------|----------------------------|-----------|
| Digit Span - Arithmetic | 18      | 14      | 4          | 2.57               | Y                          | 9.40      |
| Symbol Search - Coding  | 15      | 13      | 2          | 3.41               | N                          | 27.40     |

Statistical significance (critical value) at the .05 level.

### Subtest Scaled Score Profile



*Note.* The vertical bars represent the standard error of measurement (*SEM*).

## DETERMINING STRENGTHS AND WEAKNESSES

### Differences Between Subtest and Overall Mean of Subtest Scores

| Subtest          | Subtest Scaled Score | Mean Scaled Score | Difference | Critical Value .05 | Strength or Weakness | Base Rate |
|------------------|----------------------|-------------------|------------|--------------------|----------------------|-----------|
| Block Design     | 13                   | 15.40             | -2.40      | 2.85               |                      | 25%       |
| Similarities     | 19                   | 15.40             | 3.60       | 2.82               | S                    | 5-10%     |
| Digit Span       | 18                   | 15.40             | 2.60       | 2.22               | S                    | 15-25%    |
| Matrix Reasoning | 17                   | 15.40             | 1.60       | 2.54               |                      | >25%      |
| Vocabulary       | 17                   | 15.40             | 1.60       | 2.03               |                      | >25%      |

|                |    |       |       |      |   |        |
|----------------|----|-------|-------|------|---|--------|
| Arithmetic     | 14 | 15.40 | -1.40 | 2.73 |   | >25%   |
| Symbol Search  | 15 | 15.40 | -0.40 | 3.42 |   | >25%   |
| Visual Puzzles | 12 | 15.40 | -3.40 | 2.71 | W | 10-15% |
| Information    | 16 | 15.40 | 0.60  | 2.19 |   | >25%   |
| Coding         | 13 | 15.40 | -2.40 | 2.97 |   | >25%   |

Overall: Mean = 15.40, Scatter = 7, Base rate = 48.9  
Base Rate for Intersubtest Scatter is reported for 10 Subtests.  
Statistical significance (critical value) at the .05 level.

## PROCESS ANALYSIS

### Perceptual Reasoning Process Score Summary

| Process Score              | Raw Score | Scaled Score | Percentile Rank | SEM  |
|----------------------------|-----------|--------------|-----------------|------|
| Block Design No Time Bonus | 40        | 13           | 84              | 1.04 |

### Working Memory Process Score Summary

| Process Score               | Raw Score | Scaled Score | Percentile Rank | Base Rate | SEM  |
|-----------------------------|-----------|--------------|-----------------|-----------|------|
| Digit Span Forward          | 15        | 17           | 99              | --        | 1.04 |
| Digit Span Backward         | 15        | 18           | 99.6            | --        | 1.37 |
| Digit Span Sequencing       | 10        | 13           | 84              | --        | 1.12 |
| Longest Digit Span Forward  | 9         | --           | --              | 8.0       | --   |
| Longest Digit Span Backward | 8         | --           | --              | 2.0       | --   |
| Longest Digit Span Sequence | 6         | --           | --              | 52.0      | --   |

### Process Level Discrepancy Comparisons

| Process Comparison  | Score 1 | Score 2 | Difference | Critical Value<br>.05 | Significant<br>Difference<br>Y/N | Base<br>Rate |
|---|---------|---------|------------|-----------------------|----------------------------------|--------------|
| Block Design -<br>Block Design No Time Bonus                | 13      | 13      | 0          | 3.08                  | N                                |              |
| Digit Span Forward -<br>Digit Span Backward                 | 17      | 18      | -1         | 3.65                  | N                                | 46.8         |
| Digit Span Forward -<br>Digit Span Sequencing               | 17      | 13      | 4          | 3.60                  | Y                                | 13.5         |
| Digit Span Backward -<br>Digit Span Sequencing              | 18      | 13      | 5          | 3.56                  | Y                                | 7.8          |
| Longest Digit Span Forward -<br>Longest Digit Span Backward | 9       | 8       | 1          | --                    | --                               | 85.0         |
| Longest Digit Span Forward -                                | 9       | 6       | 3          | --                    | --                               | 21.0         |

Longest Digit Span Sequence

|  |   |   |   |    |    |     |
|--|---|---|---|----|----|-----|
| Longest Digit Span Backward -<br>Longest Digit Span Sequence | 8 | 6 | 2 | -- | -- | 6.0 |
|--|---|---|---|----|----|-----|

Statistical significance (critical value) at the .05 level.

**Raw Scores**

| Subtest            | Score Range | Raw Score | Process                     | Score Range | Raw Score |
|--------------------|-------------|-----------|-----------------------------|-------------|-----------|
| Block Design       | 0-66        | 42        | Block Design No Time Bonus  | 0-48        | 40        |
| Similarities       | 0-36        | 36        | Digit Span Forward          | 0-16        | 15        |
| Digit Span         | 0-48        | 40        | Digit Span Backward         | 0-16        | 15        |
| Matrix Reasoning   | 0-26        | 23        | Digit Span Sequencing       | 0-16        | 10        |
| Vocabulary         | 0-57        | 55        | Longest Digit Span Forward  | 0, 2-9      | 9         |
| Arithmetic         | 0-22        | 18        | Longest Digit Span Backward | 0, 2-8      | 8         |
| Symbol Search      | 0-60        | 36        | Longest Digit Span Sequence | 0, 2-9      | 6         |
| Visual Puzzles     | 0-26        | 13        | Longest Letter-Number Seq.  | 0, 2-8      |           |
| Information        | 0-26        | 24        |                             |             |           |
| Coding             | 0-135       | 65        |                             |             |           |
| Letter-Number Seq. | 0-30        |           |                             |             |           |
| Figure Weights     | 0-27        |           |                             |             |           |
| Comprehension      | 0-36        | 35        |                             |             |           |
| Cancellation       | 0-72        |           |                             |             |           |
| Picture Completion | 0-24        |           |                             |             |           |

**End of Report**



# WMS<sup>®</sup>-IV

WECHSLER MEMORY SCALE<sup>®</sup> – FOURTH EDITION

## WMS<sup>®</sup>-IV Wechsler Memory Scale<sup>®</sup>-Fourth Edition Score Report

|                 |            |                    |                   |
|-----------------|------------|--------------------|-------------------|
| Examinee Name   | Dennis E   | Date of Report     | 2019/02/18        |
| Examinee ID     | 121233     | Years of Education | Not Specified     |
| Date of Birth   | 1946/03/30 | Home Language      |                   |
| Gender          | Male       | Handedness         | Not Specified     |
| Race/Ethnicity  |            | Examiner Name      | Susan Raiford     |
| Date of Testing | 2016/11/25 | Age at Testing     | 70 years 7 months |
|                 |            | Retest?            | No                |

Comments:

Sample Report



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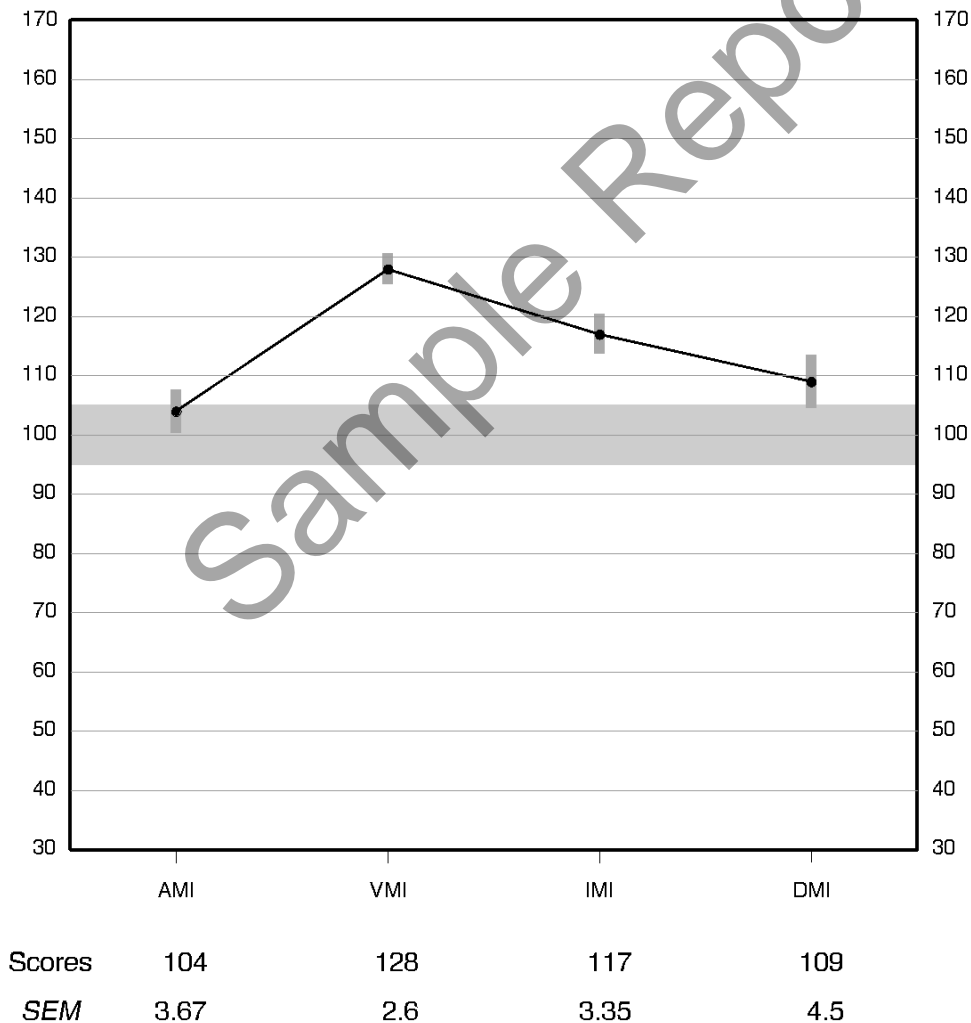
[ 1.0 / RE1 / QG1 ]



### Index Score Summary

| Index                  | Sum of Scaled Scores | Index Score | Percentile Rank | 95% Confidence Interval | Qualitative Descriptor |
|------------------------|----------------------|-------------|-----------------|-------------------------|------------------------|
| Auditory Memory (AMI)  | 43                   | 104         | 61              | 98-110                  | Average                |
| Visual Memory (VMI)    | 30                   | 128         | 97              | 122-132                 | Superior               |
| Immediate Memory (IMI) | 38                   | 117         | 87              | 110-122                 | High Average           |
| Delayed Memory (DMI)   | 35                   | 109         | 73              | 101-116                 | Average                |

### Index Score Profile

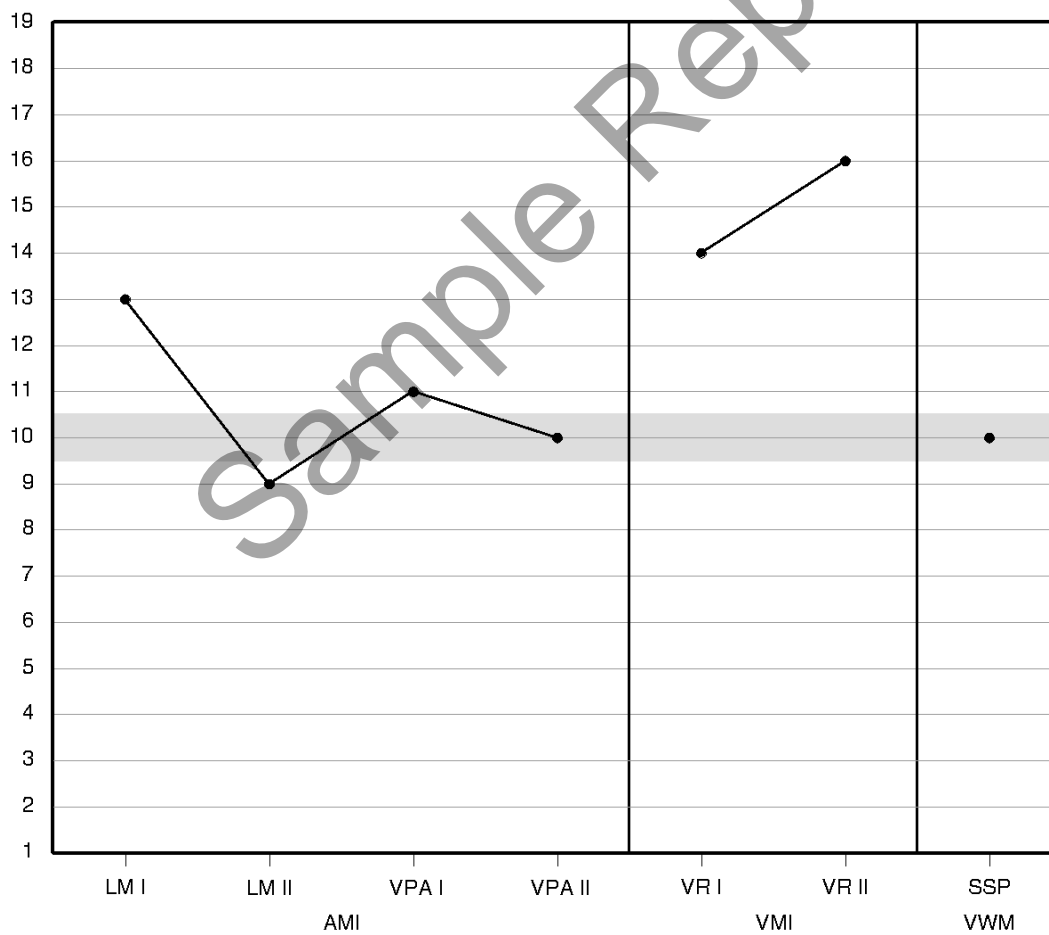


The vertical bars represent the standard error of measurement (*SEM*).

### Primary Subtest Scaled Score Summary

| Subtest                     | Domain | Raw Score | Scaled Score | Percentile Rank |
|-----------------------------|--------|-----------|--------------|-----------------|
| Logical Memory I            | AM     | 38        | 13           | 84              |
| Logical Memory II           | AM     | 14        | 9            | 37              |
| Verbal Paired Associates I  | AM     | 22        | 11           | 63              |
| Verbal Paired Associates II | AM     | 6         | 10           | 50              |
| Visual Reproduction I       | VM     | 39        | 14           | 91              |
| Visual Reproduction II      | VM     | 37        | 16           | 98              |
| Symbol Span                 | VWM    | 17        | 10           | 50              |

### Primary Subtest Scaled Score Profile



## PROCESS SCORE CONVERSIONS

### Auditory Memory Process Score Summary

| Process Score      | Raw Score | Scaled Score | Percentile Rank | Cumulative Percentage<br>(Base Rate) |
|--------------------|-----------|--------------|-----------------|--------------------------------------|
| LM II Recognition  | 17        | -            | -               | 26-50%                               |
| VPA II Recognition | 30        | -            | -               | >75%                                 |
| VPA II Word Recall | 8         | 8            | 25              | -                                    |

### Visual Memory Process Score Summary

| Process Score     | Raw Score | Scaled Score | Percentile Rank | Cumulative Percentage<br>(Base Rate) |
|-------------------|-----------|--------------|-----------------|--------------------------------------|
| VR II Recognition | 7         | -            | -               | >75%                                 |

## SUBTEST-LEVEL DIFFERENCES WITHIN INDEXES

### Auditory Memory Index

| Subtest                     | Scaled Score | AMI Mean |                      | Critical Value | Base Rate |
|-----------------------------|--------------|----------|----------------------|----------------|-----------|
|                             |              | Score    | Difference from Mean |                |           |
| Logical Memory I            | 13           | 10.75    | 2.25                 | 2.45           | 15-25%    |
| Logical Memory II           | 9            | 10.75    | -1.75                | 2.38           | 25%       |
| Verbal Paired Associates I  | 11           | 10.75    | 0.25                 | 2.04           | >25%      |
| Verbal Paired Associates II | 10           | 10.75    | -0.75                | 3.06           | >25%      |

Statistical significance (critical value) at the .05 level.

### Immediate Memory Index

| Subtest                    | Scaled Score | IMI Mean |                      | Critical Value | Base Rate |
|----------------------------|--------------|----------|----------------------|----------------|-----------|
|                            |              | Score    | Difference from Mean |                |           |
| Logical Memory I           | 13           | 12.67    | 0.33                 | 2.01           | >25%      |
| Verbal Paired Associates I | 11           | 12.67    | -1.67                | 1.71           | >25%      |
| Visual Reproduction I      | 14           | 12.67    | 1.33                 | 1.71           | >25%      |

Statistical significance (critical value) at the .05 level.

## Delayed Memory Index

| Subtest                     | Scaled Score | DMI Mean |                      | Critical Value | Base Rate |
|-----------------------------|--------------|----------|----------------------|----------------|-----------|
|                             |              | Score    | Difference from Mean |                |           |
| Logical Memory II           | 9            | 11.67    | -2.67                | 2.15           | 15%       |
| Verbal Paired Associates II | 10           | 11.67    | -1.67                | 2.63           | >25%      |
| Visual Reproduction II      | 16           | 11.67    | 4.33                 | 1.77           | 2-5%      |

Statistical significance (critical value) at the .05 level.

## SUBTEST DISCREPANCY COMPARISON

| Comparison                                     | Score 1 | Score 2 | Difference | Critical Value | Base Rate |
|--|---------|---------|------------|----------------|-----------|
| Visual Reproduction I - Visual Reproduction II | 14      | 16      | -2         | 1.99           | 53.6      |

Statistical significance (critical value) at the .05 level.

## SUBTEST-LEVEL CONTRAST SCALED SCORES

### Logical Memory

| Score                                  | Score 1 | Score 2 | Contrast Scaled Score |
|--|---------|---------|-----------------------|
| LM II Recognition vs. Delayed Recall   | 26-50%  | 9       | 10                    |
| LM Immediate Recall vs. Delayed Recall | 13      | 9       | 3                     |

### Verbal Paired Associates

| Score                                   | Score 1 | Score 2 | Contrast Scaled Score |
|---|---------|---------|-----------------------|
| VPA II Recognition vs. Delayed Recall   | >75%    | 10      | 8                     |
| VPA Immediate Recall vs. Delayed Recall | 11      | 10      | 8                     |

### Visual Reproduction

| Score                                  | Score 1 | Score 2 | Contrast Scaled Score |
|--|---------|---------|-----------------------|
| VR II Recognition vs. Delayed Recall   | >75%    | 16      | 15                    |
| VR Immediate Recall vs. Delayed Recall | 14      | 16      | 14                    |

## INDEX-LEVEL CONTRAST SCALED SCORES

### WMS-IV Indexes

| Score   | Score 1 | Score 2 | Contrast Scaled Score |
|---|---------|---------|-----------------------|
| Auditory Memory Index vs. Visual Memory Index   | 104     | 128     | 16                    |
| Immediate Memory Index vs. Delayed Memory Index | 117     | 109     | 7                     |

### RAW SCORES

| Subtest                     | Score Range<br>Adult | Score Range<br>Older Adult | Raw Score |
|-----------------------------|----------------------|----------------------------|-----------|
| Brief Cognitive Status Exam | 0-58                 | 0-58                       |           |
| Logical Memory I            | 0-50                 | 0-53                       | 38        |
| Logical Memory II           | 0-50                 | 0-39                       | 14        |
| Verbal Paired Associates I  | 0-56                 | 0-40                       | 22        |
| Verbal Paired Associates II | 0-14                 | 0-10                       | 6         |
| CVLT-II Trials 1-5          | 5-95                 | 5-95                       |           |
| CVLT-II Long-Delay          | -5-5                 | -5-5                       |           |
| Designs I                   | 0-120                |                            |           |
| Designs II                  | 0-120                |                            |           |
| Visual Reproduction I       | 0-43                 | 0-43                       | 39        |
| Visual Reproduction II      | 0-43                 | 0-43                       | 37        |
| Spatial Addition            | 0-24                 |                            |           |
| Symbol Span                 | 0-50                 | 0-50                       | 17        |
| Process                     | Score Range<br>Adult | Score Range<br>Older Adult | Raw Score |
| LM II Recognition           | 0-30                 | 0-23                       | 17        |
| VPA II Recognition          | 0-40                 | 0-30                       | 30        |
| VPA II Word Recall          | 0-28                 | 0-20                       | 8         |
| DE I Content                | 0-48                 |                            |           |
| DE I Spatial                | 0-24                 |                            |           |
| DE II Content               | 0-48                 |                            |           |
| DE II Spatial               | 0-24                 |                            |           |
| DE II Recognition           | 0-24                 |                            |           |
| VR II Recognition           | 0-7                  | 0-7                        | 7         |
| VR II Copy                  | 0-43                 | 0-43                       |           |

## ABILITY-MEMORY ANALYSIS

Ability Score: GAI: 139  
Date of Testing: WAIS-IV; WMS-IV 2016/11/25

### Predicted Difference Method

| Index            | Predicted<br>WMS-IV<br>Index Score | Actual<br>WMS-IV<br>Index Score | Difference | Critical Value | Significant<br>Difference<br>Y/N | Base Rate |
|------------------|------------------------------------|---------------------------------|------------|----------------|----------------------------------|-----------|
| Auditory Memory  | 121                                | 104                             | 17         | 10.41          | Y                                | 10%       |
| Visual Memory    | 123                                | 128                             | -5         | 7.89           | N                                |           |
| Immediate Memory | 126                                | 117                             | 9          | 9.97           | N                                |           |
| Delayed Memory   | 123                                | 109                             | 14         | 12.33          | Y                                | 15%       |

Statistical significance (critical value) at the .01 level.

### Contrast Scaled Scores

| Score  | Score 1 | Score 2 | Contrast<br>Scaled Score |
|--|---------|---------|--------------------------|
| General Ability Index vs. Auditory Memory Index      | 139     | 104     | 8                        |
| General Ability Index vs. Visual Memory Index        | 139     | 128     | 13                       |
| General Ability Index vs. Immediate Memory Index     | 139     | 117     | 11                       |
| General Ability Index vs. Delayed Memory Index       | 139     | 109     | 8                        |
| Verbal Comprehension Index vs. Auditory Memory Index | 145     | 104     | 8                        |
| Perceptual Reasoning Index vs. Visual Memory Index   | 123     | 128     | 14                       |
| Working Memory Index vs. Auditory Memory Index       | 133     | 104     | 9                        |

**End of Report**