

ICPSR 4248

ACTIVE (Advanced Cognitive Training for Independent and Vital Elderly), 1999-2001 [United States]

Sharon Tennstedt
New England Research Institutes

John Morris
Hebrew Senior Life-Boston

Frederick Unverzagt
Indiana University

George Rebok
Johns Hopkins University

Sherry Willis
Pennsylvania State University

Karlene Ball
University of Alabama-Birmingham

Michael Marsiske
University of Florida

Form 3 Baseline Individual Assessment, Part
1 Codebook

Inter-university Consortium for
Political and Social Research
P.O. Box 1248
Ann Arbor, Michigan 48106
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ACTIVE

Individual Assessment Part I (Screening) Form #3

| | |
|--------------------------|-------------------|
| A1. Subject ID# | <div>Label:</div> |
| A2. Visit # | I0 |
| A3. Form Version: | 08/01/1998 |
| A4. Tester ID#/Initials: | ___ ___ |
| A5. Date Completed: | ___/___/___ |

| VISIT | Frequency | Percent | Cum Freq | Cum Percent |
|-------|-----------|---------|----------|-------------|
| I0 | 2802 | 100.00 | 2802 | 100.00 |

SECTION B: VISION CODING

NUMBER CORRECT

TABLE 1: CODING SHEET

| | | | | | | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|----|------|--------------|---|---|---|---|---|---|---|---|----|-------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | CODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | SCORE |
| K H O R | | | | | | | | | | 1. | 2.5 5 7.5 10 | | | | | | | | | | 1a. |

B1.

IF ≥ 2; CONTINUE

| VISR1 | Frequency | Percent | Cum Freq | Cum Percent |
|-------|-----------|---------|----------|-------------|
| 2 | 1 | 0.04 | 1 | 0.04 |
| 3 | 2 | 0.07 | 3 | 0.11 |
| 4 | 2799 | 99.89 | 2802 | 100.00 |

| VISSCR1 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| 5.0 | 1 | 0.04 | 1 | 0.04 |
| 7.5 | 2 | 0.07 | 3 | 0.11 |
| 10.0 | 2799 | 99.89 | 2802 | 100.00 |

TABLE 1: CODING SHEET

| | | | | | | | | | | | | | |
|---|---|---|---|---|------|----|---|---|---|---|----|-------|-----|
| C | K | Z | D | V | CODE | 2. | 2 | 4 | 6 | 8 | 10 | SCORE | 2a. |
|---|---|---|---|---|------|----|---|---|---|---|----|-------|-----|

B2.

IF ≥ 2; CONTINUE

| VISR2 | Frequency | Percent | Cum Freq | Cum Percent |
|-------|-----------|---------|----------|-------------|
| 3 | 2 | 0.07 | 2 | 0.07 |
| 4 | 20 | 0.71 | 22 | 0.79 |
| 5 | 2780 | 99.21 | 2802 | 100.00 |

| VISSCR2 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| 6.0 | 2 | 0.07 | 2 | 0.07 |
| 8.0 | 20 | 0.71 | 22 | 0.79 |
| 10.0 | 2780 | 99.21 | 2802 | 100.00 |

TABLE 1: CODING SHEET

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|------|----|-----|-----|-----|-----|-----|-----|----|-------|-----|
| O | Z | N | R | H | V | C | CODE | 3. | 1.4 | 2.9 | 4.3 | 5.7 | 7.1 | 8.6 | 10 | SCORE | 3a. |
|---|---|---|---|---|---|---|------|----|-----|-----|-----|-----|-----|-----|----|-------|-----|

B3.

IF ≥ 2; CONTINUE

| VISR3 | Frequency | Percent | Cum Freq | Cum Percent |
|-------|-----------|---------|----------|-------------|
| 4 | 1 | 0.04 | 1 | 0.04 |
| 5 | 4 | 0.14 | 5 | 0.18 |
| 6 | 28 | 1.00 | 33 | 1.18 |
| 7 | 2769 | 98.82 | 2802 | 100.00 |

| VISSCR3 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| 5.7 | 1 | 0.04 | 1 | 0.04 |
| 7.1 | 4 | 0.14 | 5 | 0.18 |
| 8.6 | 28 | 1.00 | 33 | 1.18 |
| 10.0 | 2769 | 98.82 | 2802 | 100.00 |

B4. IF ≥ 2 ; CONTINUE

| | | | |
|------------------------|----|-------------------------------------|-----|
| R K C S Z H V D | 4. | 1.3 2.5 3.8 5 6.3 7.5 8.8 10 | 4a. |
|------------------------|----|-------------------------------------|-----|

| VISR4 | Frequency | Percent | Cum Freq | Cum Percent |
|-------|-----------|---------|----------|-------------|
| 3 | 2 | 0.07 | 2 | 0.07 |
| 4 | 3 | 0.11 | 5 | 0.18 |
| 5 | 9 | 0.32 | 14 | 0.50 |
| 6 | 37 | 1.32 | 51 | 1.82 |
| 7 | 115 | 4.10 | 166 | 5.92 |
| 8 | 2636 | 94.08 | 2802 | 100.00 |

| VISSCR4 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| 3.8 | 2 | 0.07 | 2 | 0.07 |
| 5.0 | 3 | 0.11 | 5 | 0.18 |
| 6.3 | 9 | 0.32 | 14 | 0.50 |
| 7.5 | 37 | 1.32 | 51 | 1.82 |
| 8.8 | 115 | 4.10 | 166 | 5.92 |
| 10.0 | 2636 | 94.08 | 2802 | 100.00 |

B5. IF ≥ 2 ; CONTINUE

| | | | |
|------------------------|----|-------------------------------------|-----|
| S D K H O R C V | 5. | 1.3 2.5 3.8 5 6.3 7.5 8.8 10 | 5a. |
|------------------------|----|-------------------------------------|-----|

| VISR5 | Frequency | Percent | Cum Freq | Cum Percent |
|-------|-----------|---------|----------|-------------|
| 0 | 1 | 0.04 | 1 | 0.04 |
| 1 | 3 | 0.11 | 4 | 0.14 |
| 2 | 10 | 0.36 | 14 | 0.50 |
| 3 | 14 | 0.50 | 28 | 1.00 |
| 4 | 28 | 1.00 | 56 | 2.00 |
| 5 | 55 | 1.96 | 111 | 3.96 |
| 6 | 136 | 4.85 | 247 | 8.82 |
| 7 | 339 | 12.10 | 586 | 20.91 |
| 8 | 2216 | 79.09 | 2802 | 100.00 |

| VISSCR5 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| 0.0 | 1 | 0.04 | 1 | 0.04 |
| 1.3 | 3 | 0.11 | 4 | 0.14 |
| 2.5 | 10 | 0.36 | 14 | 0.50 |
| 3.8 | 14 | 0.50 | 28 | 1.00 |
| 5.0 | 28 | 1.00 | 56 | 2.00 |
| 6.3 | 55 | 1.96 | 111 | 3.96 |
| 7.5 | 136 | 4.85 | 247 | 8.82 |
| 8.8 | 339 | 12.10 | 586 | 20.91 |
| 10.0 | 2216 | 79.09 | 2802 | 100.00 |

B6. IF ≥ 3 ; CONTINUE

| | | | |
|----------------------------|----|-----------------------------|-----|
| H O C Z R K D S V N | 6. | 1 2 3 4 5 6 7 8 9 10 | 6a. |
|----------------------------|----|-----------------------------|-----|

| VISR6 | Frequency | Percent | Cum Freq | Cum Percent |
|-------|-----------|---------|----------|-------------|
| -7 | 11 | 0.39 | 11 | 0.39 |
| -1 | 8 | 0.29 | 19 | 0.68 |
| 0 | 52 | 1.86 | 71 | 2.53 |
| 1 | 19 | 0.68 | 90 | 3.21 |
| 2 | 30 | 1.07 | 120 | 4.28 |
| 3 | 26 | 0.93 | 146 | 5.21 |
| 4 | 38 | 1.36 | 184 | 6.57 |
| 5 | 60 | 2.14 | 244 | 8.71 |
| 6 | 78 | 2.78 | 322 | 11.49 |
| 7 | 130 | 4.64 | 452 | 16.13 |
| 8 | 208 | 7.42 | 660 | 23.55 |
| 9 | 482 | 17.20 | 1142 | 40.76 |
| 10 | 1660 | 59.24 | 2802 | 100.00 |

| VISSCR6 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| -7.0 | 10 | 0.36 | 10 | 0.36 |
| -1.0 | 8 | 0.29 | 18 | 0.64 |
| 0.0 | 53 | 1.89 | 71 | 2.53 |
| 1.0 | 19 | 0.68 | 90 | 3.21 |
| 2.0 | 30 | 1.07 | 120 | 4.28 |
| 3.0 | 26 | 0.93 | 146 | 5.21 |
| 4.0 | 38 | 1.36 | 184 | 6.57 |
| 5.0 | 60 | 2.14 | 244 | 8.71 |
| 6.0 | 78 | 2.78 | 322 | 11.49 |
| 7.0 | 130 | 4.64 | 452 | 16.13 |
| 8.0 | 208 | 7.42 | 660 | 23.55 |
| 9.0 | 482 | 17.20 | 1142 | 40.76 |
| 10.0 | 1660 | 59.24 | 2802 | 100.00 |

B7. IF ≥ 3 ; CONTINUE

| | | | |
|----------------------------|----|-----------------------------|-----|
| N Z C O S K D V R H | 7. | 1 2 3 4 5 6 7 8 9 10 | 7a. |
|----------------------------|----|-----------------------------|-----|

| VISR7 | Frequency | Percent | Cum Freq | Cum Percent |
|-------|-----------|---------|----------|-------------|
| -7 | 32 | 1.14 | 32 | 1.14 |
| -1 | 120 | 4.28 | 152 | 5.42 |
| 0 | 122 | 4.35 | 274 | 9.78 |
| 1 | 39 | 1.39 | 313 | 11.17 |
| 2 | 55 | 1.96 | 368 | 13.13 |
| 3 | 39 | 1.39 | 407 | 14.53 |
| 4 | 70 | 2.50 | 477 | 17.02 |
| 5 | 98 | 3.50 | 575 | 20.52 |
| 6 | 111 | 3.96 | 686 | 24.48 |
| 7 | 185 | 6.60 | 871 | 31.08 |
| 8 | 271 | 9.67 | 1142 | 40.76 |
| 9 | 490 | 17.49 | 1632 | 58.24 |
| 10 | 1170 | 41.76 | 2802 | 100.00 |

| VISSCR7 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| -7.0 | 30 | 1.07 | 30 | 1.07 |
| -1.0 | 120 | 4.28 | 150 | 5.35 |
| 0.0 | 124 | 4.43 | 274 | 9.78 |
| 1.0 | 39 | 1.39 | 313 | 11.17 |
| 2.0 | 55 | 1.96 | 368 | 13.13 |
| 3.0 | 39 | 1.39 | 407 | 14.53 |
| 4.0 | 70 | 2.50 | 477 | 17.02 |
| 5.0 | 98 | 3.50 | 575 | 20.52 |
| 6.0 | 111 | 3.96 | 686 | 24.48 |
| 7.0 | 185 | 6.60 | 871 | 31.08 |
| 8.0 | 271 | 9.67 | 1142 | 40.76 |
| 9.0 | 490 | 17.49 | 1632 | 58.24 |
| 10.0 | 1170 | 41.76 | 2802 | 100.00 |

B8. IF ≥ 3 ; CONTINUE

| | | | |
|----------------------------|----|-----------------------------|-----|
| D C S K O V R N H Z | 8. | 1 2 3 4 5 6 7 8 9 10 | 8a. |
|----------------------------|----|-----------------------------|-----|

| VISR8 | Frequency | Percent | Cum Freq | Cum Percent |
|-------|-----------|---------|----------|-------------|
| -7 | 60 | 2.14 | 60 | 2.14 |
| -1 | 368 | 13.13 | 428 | 15.27 |
| 0 | 366 | 13.06 | 794 | 28.34 |
| 1 | 96 | 3.43 | 890 | 31.76 |
| 2 | 90 | 3.21 | 980 | 34.98 |
| 3 | 71 | 2.53 | 1051 | 37.51 |
| 4 | 99 | 3.53 | 1150 | 41.04 |
| 5 | 130 | 4.64 | 1280 | 45.68 |
| 6 | 176 | 6.28 | 1456 | 51.96 |
| 7 | 208 | 7.42 | 1664 | 59.39 |
| 8 | 289 | 10.31 | 1953 | 69.70 |
| 9 | 360 | 12.85 | 2313 | 82.55 |
| 10 | 489 | 17.45 | 2802 | 100.00 |

| VISSCR8 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| -7.0 | 54 | 1.93 | 54 | 1.93 |
| -1.0 | 368 | 13.13 | 422 | 15.06 |
| 0.0 | 372 | 13.28 | 794 | 28.34 |
| 1.0 | 96 | 3.43 | 890 | 31.76 |
| 2.0 | 90 | 3.21 | 980 | 34.98 |
| 3.0 | 71 | 2.53 | 1051 | 37.51 |
| 4.0 | 99 | 3.53 | 1150 | 41.04 |
| 5.0 | 130 | 4.64 | 1280 | 45.68 |
| 6.0 | 176 | 6.28 | 1456 | 51.96 |
| 7.0 | 208 | 7.42 | 1664 | 59.39 |
| 8.0 | 289 | 10.31 | 1953 | 69.70 |
| 9.0 | 360 | 12.85 | 2313 | 82.55 |
| 10.0 | 489 | 17.45 | 2802 | 100.00 |

B9.

| | | | |
|----------------------------|----|-----------------------------|-----|
| Z S V D K H N O R C | 9. | 1 2 3 4 5 6 7 8 9 10 | 9a. |
|----------------------------|----|-----------------------------|-----|

| VISR9 | Frequency | Percent | Cum Freq | Cum Percent |
|-------|-----------|---------|----------|-------------|
| -9 | 1 | 0.04 | 1 | 0.04 |
| -7 | 86 | 3.07 | 87 | 3.10 |
| -1 | 980 | 34.98 | 1067 | 38.08 |
| 0 | 493 | 17.59 | 1560 | 55.67 |
| 1 | 148 | 5.28 | 1708 | 60.96 |
| 2 | 166 | 5.92 | 1874 | 66.88 |
| 3 | 132 | 4.71 | 2006 | 71.59 |
| 4 | 145 | 5.17 | 2151 | 76.77 |
| 5 | 141 | 5.03 | 2292 | 81.80 |
| 6 | 128 | 4.57 | 2420 | 86.37 |
| 7 | 115 | 4.10 | 2535 | 90.47 |
| 8 | 113 | 4.03 | 2648 | 94.50 |
| 9 | 90 | 3.21 | 2738 | 97.72 |
| 10 | 64 | 2.28 | 2802 | 100.00 |

| VISSCR9 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| -9.0 | 1 | 0.04 | 1 | 0.04 |
| -7.0 | 72 | 2.57 | 73 | 2.61 |
| -1.0 | 980 | 34.98 | 1053 | 37.58 |
| 0.0 | 507 | 18.09 | 1560 | 55.67 |
| 1.0 | 148 | 5.28 | 1708 | 60.96 |
| 2.0 | 166 | 5.92 | 1874 | 66.88 |
| 3.0 | 132 | 4.71 | 2006 | 71.59 |
| 4.0 | 145 | 5.17 | 2151 | 76.77 |
| 5.0 | 141 | 5.03 | 2292 | 81.80 |
| 6.0 | 128 | 4.57 | 2420 | 86.37 |
| 7.0 | 115 | 4.10 | 2535 | 90.47 |
| 8.0 | 113 | 4.03 | 2648 | 94.50 |
| 9.0 | 90 | 3.21 | 2738 | 97.72 |
| 10.0 | 64 | 2.28 | 2802 | 100.00 |

B10. TOTAL VISION SCORE _____ . _____

| Analysis Variable : VISTOTAL | | | | | |
|------------------------------|------|---------|---------|--------|---------|
| N | Mean | Std Dev | Minimum | Median | Maximum |
| 2802 | 73.1 | 11.5 | 31.8 | 76.0 | 90.0 |

B11. DOES SUBJECT NORMALLY WEAR CORRECTION FOR DISTANCE VISION? YES.....1 NO.....2

| VISCOR | Frequency | Percent | Cum Freq | Cum Percent |
|--------|-----------|---------|----------|-------------|
| 1 | 2319 | 82.76 | 2319 | 82.76 |
| 2 | 483 | 17.24 | 2802 | 100.00 |

B12. WAS SUBJECT WEARING THIS CORRECTION FOR THE VISION TEST? YES.....1 NO.....2

| VISCORT | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| -1 | 1 | 0.04 | 1 | 0.04 |
| 1 | 2307 | 82.33 | 2308 | 82.37 |
| 2 | 494 | 17.63 | 2802 | 100.00 |

| | | | |
|------|--------------------|------------|----------------------------|
| B13. | IF SCORE IS > 39 = | ELIGIBLE | 1 (SECTION C) |
| | IF SCORE IS ≤ 39 = | INELIGIBLE | 2 (READ INELIGIBLE SCRIPT) |

| SCORE39 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| 1 | 2799 | 99.89 | 2799 | 99.89 |
| 2 | 3 | 0.11 | 2802 | 100.00 |

INELIGIBLE SCRIPT: These are all the questions I have for you today. This has been very helpful. I would like to get your address and telephone number, just in case we need to contact you again. (WRITE DOWN ADDRESS AND TELEPHONE NUMBER). Thank you so much for your time today, and if we should need to contact you, I have your number. Thanks again. (SECTION I, PAGE 12)

SECTION C: MMSE SCRIPT AND CODING

The next series of questions are designed to measure your mental abilities related to memory and arithmetic. Some of the questions may seem easy, some may seem hard. Just do the best you can.

RESPONSE**SCORE**

C1a. What year is it?

_____ C1a. _____

| MMSE1A | Frequency | Percent | Cum Freq | Cum Percent |
|--------|-----------|---------|----------|-------------|
| 0 | 14 | 0.50 | 14 | 0.50 |
| 1 | 2788 | 99.50 | 2802 | 100.00 |

b. What season is it?

_____ C1b. _____

| MMSE1B | Frequency | Percent | Cum Freq | Cum Percent |
|--------|-----------|---------|----------|-------------|
| 0 | 44 | 1.57 | 44 | 1.57 |
| 1 | 2758 | 98.43 | 2802 | 100.00 |

c. What is today's date?

_____ C1c. _____

| MMSE1C | Frequency | Percent | Cum Freq | Cum Percent |
|--------|-----------|---------|----------|-------------|
| 0 | 83 | 2.96 | 83 | 2.96 |
| 1 | 2719 | 97.04 | 2802 | 100.00 |

d. What day of the week is it?

_____ C1d. _____

| MMSE1D | Frequency | Percent | Cum Freq | Cum Percent |
|--------|-----------|---------|----------|-------------|
| 0 | 24 | 0.86 | 24 | 0.86 |
| 1 | 2778 | 99.14 | 2802 | 100.00 |

e. What month is it? _____ C1e. _____

| MMSE1E | Frequency | Percent | Cum Freq | Cum Percent |
|--------|-----------|---------|----------|-------------|
| 0 | 14 | 0.50 | 14 | 0.50 |
| 1 | 2788 | 99.50 | 2802 | 100.00 |

C2a. What state are we in? _____ C2a. _____

| MMSE2A | Frequency | Percent | Cum Freq | Cum Percent |
|--------|-----------|---------|----------|-------------|
| 0 | 9 | 0.32 | 9 | 0.32 |
| 1 | 2793 | 99.68 | 2802 | 100.00 |

b. What county are we in? _____ C2b. _____

| MMSE2B | Frequency | Percent | Cum Freq | Cum Percent |
|--------|-----------|---------|----------|-------------|
| 0 | 168 | 6.00 | 168 | 6.00 |
| 1 | 2634 | 94.00 | 2802 | 100.00 |

c. What town (city) are we in? _____ C2c. _____

| MMSE2C | Frequency | Percent | Cum Freq | Cum Percent |
|--------|-----------|---------|----------|-------------|
| 0 | 62 | 2.21 | 62 | 2.21 |
| 1 | 2740 | 97.79 | 2802 | 100.00 |

d. What building or place are we in? _____ C2d. _____

| MMSE2D | Frequency | Percent | Cum Freq | Cum Percent |
|--------|-----------|---------|----------|-------------|
| 0 | 408 | 14.56 | 408 | 14.56 |
| 1 | 2394 | 85.44 | 2802 | 100.00 |

e. What floor are we on?

C2e. _____

| MMSE2E | Frequency | Percent | Cum Freq | Cum Percent |
|--------|-----------|---------|----------|-------------|
| 0 | 61 | 2.18 | 61 | 2.18 |
| 1 | 2741 | 97.82 | 2802 | 100.00 |

C3. Now I am going to name three objects. When I finish I would like you to repeat them back to me. Ready? The objects are **penny**, **apple**, and **table**. (PAUSE) Now repeat them back to me.

PENNY APPLE TABLE

C3. _____

| MMSE3 | Frequency | Percent | Cum Freq | Cum Percent |
|-------|-----------|---------|----------|-------------|
| 0 | 3 | 0.11 | 3 | 0.11 |
| 1 | 20 | 0.71 | 23 | 0.82 |
| 2 | 61 | 2.18 | 84 | 3.00 |
| 3 | 2718 | 97.00 | 2802 | 100.00 |

Thank you. Now try to remember these objects because I will ask you to repeat them again later.

C4. Now I will ask you to complete a counting exercise. Please begin counting with 100 and count backwards by 7s. Keep going until I ask you to stop.

93, 86, 79, 72, 65

_____ C4. _____

| MMSE4 | Frequency | Percent | Cum Freq | Cum Percent |
|-------|-----------|---------|----------|-------------|
| -7 | 1 | 0.04 | 1 | 0.04 |
| 0 | 129 | 4.60 | 130 | 4.64 |
| 1 | 153 | 5.46 | 283 | 10.10 |
| 2 | 229 | 8.17 | 512 | 18.27 |
| 3 | 420 | 14.99 | 932 | 33.26 |
| 4 | 665 | 23.73 | 1597 | 57.00 |
| 5 | 1205 | 43.00 | 2802 | 100.00 |

C4a. Please spell the word **WORLD** backwards.

DLROW C4a. _____

| MMSE4A | Frequency | Percent | Cum Freq | Cum Percent |
|--------|-----------|---------|----------|-------------|
| | 2 | 0.07 | 2 | 0.07 |
| -9 | 5 | 0.18 | 7 | 0.25 |
| 1 | 1 | 0.04 | 8 | 0.29 |
| D | 1 | 0.04 | 9 | 0.32 |
| DELLO | 1 | 0.04 | 10 | 0.36 |
| DELOW | 1 | 0.04 | 11 | 0.39 |
| DELRI | 3 | 0.11 | 14 | 0.50 |
| DL | 1 | 0.04 | 15 | 0.54 |
| DLAW | 1 | 0.04 | 16 | 0.57 |
| DLDOW | 1 | 0.04 | 17 | 0.61 |
| DLIOW | 1 | 0.04 | 18 | 0.64 |
| DLO | 1 | 0.04 | 19 | 0.68 |
| DLODL | 1 | 0.04 | 20 | 0.71 |
| DLOEW | 1 | 0.04 | 21 | 0.75 |
| DLOHW | 1 | 0.04 | 22 | 0.79 |
| DLOLW | 1 | 0.04 | 23 | 0.82 |
| DLOOW | 2 | 0.07 | 25 | 0.89 |
| DLOR | 1 | 0.04 | 26 | 0.93 |
| DLOR0 | 1 | 0.04 | 27 | 0.96 |
| DLORD | 7 | 0.25 | 34 | 1.21 |
| DLORL | 1 | 0.04 | 35 | 1.25 |
| DLORO | 5 | 0.18 | 40 | 1.43 |
| DLORW | 153 | 5.46 | 193 | 6.89 |
| DLOW | 56 | 2.00 | 249 | 8.89 |
| DLOWR | 3 | 0.11 | 252 | 8.99 |
| DLRAW | 1 | 0.04 | 253 | 9.03 |
| DLRDW | 1 | 0.04 | 254 | 9.06 |
| DLRHW | 1 | 0.04 | 255 | 9.10 |
| DLRLO | 2 | 0.07 | 257 | 9.17 |
| DLRLW | 5 | 0.18 | 262 | 9.35 |
| DLROD | 5 | 0.18 | 267 | 9.53 |
| DLROL | 3 | 0.11 | 270 | 9.64 |
| DLROO | 1 | 0.04 | 271 | 9.67 |
| DLROW | 2438 | 87.01 | 2709 | 96.68 |
| DLRW | 4 | 0.14 | 2713 | 96.82 |
| DLUOW | 4 | 0.14 | 2717 | 96.97 |
| DLUW | 1 | 0.04 | 2718 | 97.00 |
| DLVOW | 2 | 0.07 | 2720 | 97.07 |
| DLW | 1 | 0.04 | 2721 | 97.11 |
| DLWOD | 1 | 0.04 | 2722 | 97.14 |
| DLWOR | 2 | 0.07 | 2724 | 97.22 |
| DOLRW | 1 | 0.04 | 2725 | 97.25 |

| | | | | |
|-------|----|------|------|--------|
| DOLW | 3 | 0.11 | 2728 | 97.36 |
| DOLWO | 1 | 0.04 | 2729 | 97.39 |
| DOREW | 1 | 0.04 | 2730 | 97.43 |
| DOROD | 1 | 0.04 | 2731 | 97.47 |
| DRLOW | 13 | 0.46 | 2744 | 97.93 |
| DRLW | 2 | 0.07 | 2746 | 98.00 |
| DRODL | 1 | 0.04 | 2747 | 98.04 |
| DROLR | 1 | 0.04 | 2748 | 98.07 |
| DROLW | 7 | 0.25 | 2755 | 98.32 |
| DROW | 17 | 0.61 | 2772 | 98.93 |
| DRROW | 3 | 0.11 | 2775 | 99.04 |
| DRUOW | 1 | 0.04 | 2776 | 99.07 |
| DVORD | 1 | 0.04 | 2777 | 99.11 |
| DWORO | 1 | 0.04 | 2778 | 99.14 |
| KLORW | 1 | 0.04 | 2779 | 99.18 |
| LAROW | 1 | 0.04 | 2780 | 99.21 |
| LDOWN | 1 | 0.04 | 2781 | 99.25 |
| LDROW | 2 | 0.07 | 2783 | 99.32 |
| LHRIW | 1 | 0.04 | 2784 | 99.36 |
| LLIHW | 1 | 0.04 | 2785 | 99.39 |
| LOROW | 1 | 0.04 | 2786 | 99.43 |
| LRIHW | 1 | 0.04 | 2787 | 99.46 |
| LROW | 3 | 0.11 | 2790 | 99.57 |
| RDLOW | 1 | 0.04 | 2791 | 99.61 |
| RLROD | 1 | 0.04 | 2792 | 99.64 |
| WDLRO | 1 | 0.04 | 2793 | 99.68 |
| WLORD | 1 | 0.04 | 2794 | 99.71 |
| WLROW | 2 | 0.07 | 2796 | 99.79 |
| WORLD | 6 | 0.21 | 2802 | 100.00 |

C5. Remember the 3 objects I asked you to repeat back to me earlier? Please repeat them back to me now.

PENNY APPLE TABLE

C5. _____

| MMSE5 | Frequency | Percent | Cum Freq | Cum Percent |
|-------|-----------|---------|----------|-------------|
| 0 | 54 | 1.93 | 54 | 1.93 |
| 1 | 251 | 8.96 | 305 | 10.89 |
| 2 | 803 | 28.66 | 1108 | 39.54 |
| 3 | 1694 | 60.46 | 2802 | 100.00 |

C6. Now I am going to ask you to name 2 objects when I point to them. FOR EACH ITEM ASK: What is this called?

PENCIL WATCH

C6. _____

| MMSE6 | Frequency | Percent | Cum Freq | Cum Percent |
|-------|-----------|---------|----------|-------------|
| 1 | 9 | 0.32 | 9 | 0.32 |
| 2 | 2793 | 99.68 | 2802 | 100.00 |

- C7. Now I will say a phrase and I want you to repeat it back to me.
The phrase is: **no ifs, ands, or buts.**

C7. _____

| MMSE7 | Frequency | Percent | Cum Freq | Cum Percent |
|-------|-----------|---------|----------|-------------|
| 0 | 522 | 18.63 | 522 | 18.63 |
| 1 | 2280 | 81.37 | 2802 | 100.00 |

- C8. I am going to give you a set of instructions to follow. Please listen to them all and then do as they say. Ready?

Take the paper in your right hand.

Fold the paper in half.

Put the paper on the table.

C8. _____

| MMSE8 | Frequency | Percent | Cum Freq | Cum Percent |
|-------|-----------|---------|----------|-------------|
| 0 | 4 | 0.14 | 4 | 0.14 |
| 1 | 28 | 1.00 | 32 | 1.14 |
| 2 | 437 | 15.60 | 469 | 16.74 |
| 3 | 2333 | 83.26 | 2802 | 100.00 |

- C9. I am going to show you a card with some instructions on it.
Read the instructions and do what they say.

CLOSE YOUR EYES

C9. _____

| MMSE9 | Frequency | Percent | Cum Freq | Cum Percent |
|-------|-----------|---------|----------|-------------|
| 0 | 14 | 0.50 | 14 | 0.50 |
| 1 | 2788 | 99.50 | 2802 | 100.00 |

- C10. Now I would like you to write a complete sentence of your own choice. Here is a pencil and a piece of paper on which to write the sentence.

C10. _____

| MMSE10 | Frequency | Percent | Cum Freq | Cum Percent |
|--------|-----------|---------|----------|-------------|
| 0 | 43 | 1.53 | 43 | 1.53 |
| 1 | 2759 | 98.47 | 2802 | 100.00 |

C11. Now I am going to show you a card with a design printed on it.
I want you to copy this design as closely as you can. Here is a
piece of paper and a pencil.

C11. _____

| MMSE11 | Frequency | Percent | Cum Freq | Cum Percent |
|--------|-----------|---------|----------|-------------|
| 0 | 520 | 18.56 | 520 | 18.56 |
| 1 | 2282 | 81.44 | 2802 | 100.00 |

C12.

TOTAL MMSE SCORE:

C12. _____

| Analysis Variable : MMSETOTL | | | | | |
|------------------------------|------|---------|---------|--------|---------|
| N | Mean | Std Dev | Minimum | Median | Maximum |
| 2802 | 27.3 | 2.0 | 23.0 | 28.0 | 30.0 |

NOTE: DO NOT INCLUDE **C4a** IN TOTAL MMSE SCORE

C13. IF SCORE IS 23 OR GREATER = ELIGIBLE 1 (SECTION D)

IF SCORE IS LESS THAN 23 = **INELIGIBLE 2 (READ INELIGIBLE SCRIPT)**

| MMSEELIG | Frequency | Percent | Cum Freq | Cum Percent |
|----------|-----------|---------|----------|-------------|
| 1 | 2802 | 100.00 | 2802 | 100.00 |

| | |
|-------------------|--------------------|
| Section D: | HVLT CODING |
|-------------------|--------------------|

| | LEARNING TRIALS | | | | | |
|---------|-----------------|----|--------------|----|--------------|----|
| | TRIAL 1 | | TRIAL 2 | | TRIAL 3 | |
| | WORD WRITTEN | | WORD WRITTEN | | WORD WRITTEN | |
| | YES | NO | YES | NO | YES | NO |
| A. LION | 1 | 2 | 1 | 2 | 1 | 2 |

| LIONTR1 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 2113 | 75.41 | 2388 | 85.22 |
| 2 | 414 | 14.78 | 2802 | 100.00 |

| LIONTR2 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 2130 | 76.02 | 2405 | 85.83 |
| 2 | 397 | 14.17 | 2802 | 100.00 |

| LIONTR3 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 2157 | 76.98 | 2432 | 86.80 |
| 2 | 370 | 13.20 | 2802 | 100.00 |

| | TRIAL 1 | | TRIAL 2 | | TRIAL 3 | |
|------------|---------|----|---------|----|---------|----|
| | YES | NO | YES | NO | YES | NO |
| B. EMERALD | 1 | 2 | 1 | 2 | 1 | 2 |

| EMERTR1 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 1847 | 65.92 | 2122 | 75.73 |
| 2 | 680 | 24.27 | 2802 | 100.00 |

| EMERTR2 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 2008 | 71.66 | 2283 | 81.48 |
| 2 | 519 | 18.52 | 2802 | 100.00 |

| EMERTR3 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 2101 | 74.98 | 2376 | 84.80 |
| 2 | 426 | 15.20 | 2802 | 100.00 |

| | | | | | | |
|----------|---|---|---|---|---|---|
| C. HORSE | 1 | 2 | 1 | 2 | 1 | 2 |
|----------|---|---|---|---|---|---|

| HORSETR1 | Frequency | Percent | Cum Freq | Cum Percent |
|----------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 1404 | 50.11 | 1679 | 59.92 |
| 2 | 1123 | 40.08 | 2802 | 100.00 |

| HORSETR2 | Frequency | Percent | Cum Freq | Cum Percent |
|----------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 1974 | 70.45 | 2249 | 80.26 |
| 2 | 553 | 19.74 | 2802 | 100.00 |

| HORSETR3 | Frequency | Percent | Cum Freq | Cum Percent |
|----------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 2087 | 74.48 | 2362 | 84.30 |
| 2 | 440 | 15.70 | 2802 | 100.00 |

| | | | | | | |
|---------|---|---|---|---|---|---|
| D. TENT | 1 | 2 | 1 | 2 | 1 | 2 |
|---------|---|---|---|---|---|---|

| TENTTR1 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 1261 | 45.00 | 1536 | 54.82 |
| 2 | 1266 | 45.18 | 2802 | 100.00 |

| TENTTR2 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 1714 | 61.17 | 1989 | 70.99 |
| 2 | 813 | 29.01 | 2802 | 100.00 |

| TENTTR3 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 1804 | 64.38 | 2079 | 74.20 |
| 2 | 723 | 25.80 | 2802 | 100.00 |

| | | | | | | |
|-------------|---|---|---|---|---|---|
| E. SAPPHIRE | 1 | 2 | 1 | 2 | 1 | 2 |
|-------------|---|---|---|---|---|---|

| SAPPTR1 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 1712 | 61.10 | 1987 | 70.91 |
| 2 | 815 | 29.09 | 2802 | 100.00 |

| SAPPTR2 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 2146 | 76.59 | 2421 | 86.40 |
| 2 | 381 | 13.60 | 2802 | 100.00 |

| SAPPTR3 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 2236 | 79.80 | 2511 | 89.61 |
| 2 | 291 | 10.39 | 2802 | 100.00 |

| | | | | | | |
|----------|---|---|---|---|---|---|
| F. HOTEL | 1 | 2 | 1 | 2 | 1 | 2 |
|----------|---|---|---|---|---|---|

| HOTELTR1 | Frequency | Percent | Cum Freq | Cum Percent |
|----------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 800 | 28.55 | 1075 | 38.37 |
| 2 | 1727 | 61.63 | 2802 | 100.00 |

| HOTELTR2 | Frequency | Percent | Cum Freq | Cum Percent |
|----------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 1910 | 68.17 | 2185 | 77.98 |
| 2 | 617 | 22.02 | 2802 | 100.00 |

| HOTELTR3 | Frequency | Percent | Cum Freq | Cum Percent |
|----------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 2233 | 79.69 | 2508 | 89.51 |
| 2 | 294 | 10.49 | 2802 | 100.00 |

| | | | | | | |
|---------|---|---|---|---|---|---|
| G. CAVE | 1 | 2 | 1 | 2 | 1 | 2 |
|---------|---|---|---|---|---|---|

| CAVETR1 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 867 | 30.94 | 1142 | 40.76 |
| 2 | 1660 | 59.24 | 2802 | 100.00 |

| CAVETR2 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 1575 | 56.21 | 1850 | 66.02 |
| 2 | 952 | 33.98 | 2802 | 100.00 |

| CAVETR3 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 1930 | 68.88 | 2205 | 78.69 |
| 2 | 597 | 21.31 | 2802 | 100.00 |

| | | | | | | |
|---------|---|---|---|---|---|---|
| H. OPAL | 1 | 2 | 1 | 2 | 1 | 2 |
|---------|---|---|---|---|---|---|

| OPALTR1 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 1636 | 58.39 | 1911 | 68.20 |
| 2 | 891 | 31.80 | 2802 | 100.00 |

| OPALTR2 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 1977 | 70.56 | 2252 | 80.37 |
| 2 | 550 | 19.63 | 2802 | 100.00 |

| OPALTR3 | Frequency | Percent | Cum Freq | Cum Percent |
|---------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 2095 | 74.77 | 2370 | 84.58 |
| 2 | 432 | 15.42 | 2802 | 100.00 |

| | | | | | | |
|----------|---|---|---|---|---|---|
| I. TIGER | 1 | 2 | 1 | 2 | 1 | 2 |
|----------|---|---|---|---|---|---|

| TIGERTR1 | Frequency | Percent | Cum Freq | Cum Percent |
|----------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 1598 | 57.03 | 1873 | 66.85 |
| 2 | 929 | 33.15 | 2802 | 100.00 |

| TIGERTR2 | Frequency | Percent | Cum Freq | Cum Percent |
|----------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 1915 | 68.34 | 2190 | 78.16 |
| 2 | 612 | 21.84 | 2802 | 100.00 |

| TIGERTR3 | Frequency | Percent | Cum Freq | Cum Percent |
|----------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 2141 | 76.41 | 2416 | 86.22 |
| 2 | 386 | 13.78 | 2802 | 100.00 |

| | | | | | | |
|----------|---|---|---|---|---|---|
| J. PEARL | 1 | 2 | 1 | 2 | 1 | 2 |
|----------|---|---|---|---|---|---|

| PEARLTR1 | Frequency | Percent | Cum Freq | Cum Percent |
|----------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 1302 | 46.47 | 1577 | 56.28 |
| 2 | 1225 | 43.72 | 2802 | 100.00 |

| PEARLTR2 | Frequency | Percent | Cum Freq | Cum Percent |
|----------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 1730 | 61.74 | 2005 | 71.56 |
| 2 | 797 | 28.44 | 2802 | 100.00 |

| PEARLTR3 | Frequency | Percent | Cum Freq | Cum Percent |
|----------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 1973 | 70.41 | 2248 | 80.23 |
| 2 | 554 | 19.77 | 2802 | 100.00 |

| | | | | | | |
|--------|---|---|---|---|---|---|
| K. COW | 1 | 2 | 1 | 2 | 1 | 2 |
|--------|---|---|---|---|---|---|

| COWTR1 | Frequency | Percent | Cum Freq | Cum Percent |
|--------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 1294 | 46.18 | 1569 | 56.00 |
| 2 | 1233 | 44.00 | 2802 | 100.00 |

| COWTR2 | Frequency | Percent | Cum Freq | Cum Percent |
|--------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 1928 | 68.81 | 2203 | 78.62 |
| 2 | 599 | 21.38 | 2802 | 100.00 |

| COWTR3 | Frequency | Percent | Cum Freq | Cum Percent |
|--------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 2193 | 78.27 | 2468 | 88.08 |
| 2 | 334 | 11.92 | 2802 | 100.00 |

| | | | | | | |
|--------|---|---|---|---|---|---|
| L. HUT | 1 | 2 | 1 | 2 | 1 | 2 |
|--------|---|---|---|---|---|---|

| HUTTR1 | Frequency | Percent | Cum Freq | Cum Percent |
|--------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 1554 | 55.46 | 1829 | 65.27 |
| 2 | 973 | 34.73 | 2802 | 100.00 |

| HUTTR2 | Frequency | Percent | Cum Freq | Cum Percent |
|--------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 2019 | 72.06 | 2294 | 81.87 |
| 2 | 508 | 18.13 | 2802 | 100.00 |

| HUTTR3 | Frequency | Percent | Cum Freq | Cum Percent |
|--------|-----------|---------|----------|-------------|
| . | 275 | 9.81 | 275 | 9.81 |
| 1 | 2171 | 77.48 | 2446 | 87.29 |
| 2 | 356 | 12.71 | 2802 | 100.00 |