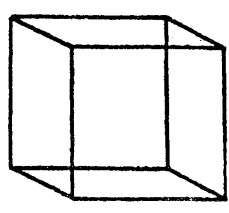


**HIV DEMENTIA SCALE**  
Johns Hopkins University Neurology Program

- | Score | Max |  |
|-------|-----|--|
|       |     | <b>MEMORY - REGISTRATION</b><br>Give four words to recall (dog, hat, green, peach) - 1 second to say each. Then ask the patient all 4 after you have said them.  |
| ( )   | 4   | <b>ATTENTION</b><br>Anti-saccadic eye movements: 20 (twenty) trials. Record errors.<br>≤ 3 errors = 4; 4 errors = 3; 5 errors = 2; 6 errors = 1; > 6 errors = 0  |
| ( )   | 6   | <b>PSYCHOMOTOR SPEED</b><br>Ask patient to write the alphabet in upper case letters horizontally across and record time in seconds.<br>≤ 21 sec = 6; 21.1 - 24 sec = 5; 24.1 - 27 sec = 4; 27.1 - 30 sec = 3; 30.1 - 33 sec = 2; 33.1 - 36 sec = 1; > 36 sec = 0 |
| ( )   | 4   | <b>MEMORY - RECALL</b><br>Ask for 4 words from Registration above. Give 1 point for each correct. For words not recalled, prompt with a cue (see instructions).  |
| ( )   | 2   | <b>CONSTRUCTIONAL</b><br>Copy 3D cube below - record time in seconds.<br>< 25 sec = 2; 25 - 35 sec = 1; > 35 sec = 0   |



## HIV Dementia Scale Instructions

**Memory-Registration:** Give the patient the four words (*dog, hat, green, peach*), and ask for immediate recall. Repeat words if patient does not recall them all immediately. Tell patient you will ask for recall of the words again a bit later.

**Attention:** Hold both hands up at patient's shoulder width and eye height, and ask patient to look at your nose. Move the index finger of one hand, and instruct patient to look at the finger that moves, then look back to your nose. Practice until patient is familiar with task. Then, instruct patient to look at the finger which is NOT moving. Practice until patient understands task. Perform 20 trials. An error is recorded when the patient looks towards the finger that is moving.

**Psychomotor speed.** Instruct the patient to write the letters of the alphabet (uppercase) with a ball-point pen as quickly as possible. Measure time in seconds using a stop-watch. As a pre-test, ask patient to say the letters of the alphabet out loud. If unable to do so, ask patient to count from 1 to 26 aloud. If the patient is able to count correctly, ask patient to write the numbers from 1 to 20 and time. Convert the score in seconds to a numerical value.

**Memory Recall:** After 5 minutes, ask patient to recall the four words. Give 1 point for each word spontaneously recalled. For words not recalled, prompt with a semantic cue as follows: animal (*dog*); piece of clothing (*hat*); color (*green*); fruit (*peach*). Give 0.5 points for each correct after prompting.

**Construction:** Ask the patient to copy a 3-D cube as precisely and quickly as possible. Time in seconds using a stop-watch. Convert the raw score to a numerical score.

Max score: 16

Score of  $\leq 10$  suggestive of HIV Dementia

For further information about patient referral:  
(410) 955-3730; TRIALS: (410) 955-1852  
Physician referral: 1-800-765-5447