

Time and Change Test

Patient's Name: _____

Date: _____

Telling Time Scorecard

Number of seconds to name the time on first try:	
Correct time named (Y/N):	
Number of seconds to name the time on second try (if needed):	
Correct time named (Y/N):	

Making Change Scorecard

Number of seconds to make change on first try:	
Correct change made (Y/N):	
Number of seconds to make change on second try (if needed):	
Correct change made (Y/N):	

Administration of the Tests

Telling Time:

The patient must tell the time from a clock face set at 11:10. A diagram is available on the following page.

- The patient is cued to tell the time on the clock.
- Response time is measured with a stopwatch and recorded.
- Two tries for a correct response in 60 seconds.
- The task is ended and an error is recorded if the patient fails to respond correctly after two tries.
- Record any difficulties with the testing (e.g., vision, tremor, weakness, pain).

Making Change:

The patient must make a dollar in change.

- 3 quarters, 7 dimes, and 7 nickels are placed in front of the patient.
- The patient is cued to give one dollar in change.
- Response time is measured with a stopwatch and recorded.
- Two tries for a correct response in a 120-second period.
- The task is ended and an error is recorded if the patient fails to respond correctly after two tries.
- Record any difficulties with the testing (e.g., vision, tremor, weakness, pain).

Scoring the Time and Change Test

Standard Scoring:

Incorrect responses on either or both tasks are scored as a positive result, indicating dementia. A correct response on both tasks is scored as a negative result, indicating no dementia.

Scoring with Timed Cut Points:

To achieve a negative score, indicating no dementia, the patient must correctly complete the Telling Time task in one try within 3 seconds, and correctly complete the Making Change task in one try within 10 seconds. Use of timed cut points increases sensitivity of the test, but decreases specificity.

Sources:

- Froehlich TE, Robison JT, Inouye SK. Screening for dementia in the outpatient setting: the time and change test. *J Am Geriatr Soc.* 1998;46(12):1506-11.
- Inouye SK, Robison JT, Froehlich TE, Richardson ED. The Time and Change Test: a simple screening test for dementia. *J Gerontol.* 1998;53A(4):M281-M286.

**Time and Change Test:
Tell the Time**

