

Multi-Ethnic Study of Atherosclerosis



Digit Span Test

Participant Id#:

Acrostic:

Tech ID#:

Date:

Month

Day

Year

DIGIT SPAN TEST - - FORWARD

- After saying the instructions administer the digit spans in order.
- Do not repeat a span once read.
- Administer both spans of the same length regardless of how the participant performs.
- Say the digits at a rate of 1 digit about every 1 sec.
- Use a monotonic voice; without inflections at the end
- Discontinue after failure on both trials of any item (e.g., 5a and 5b)

Examiner: "I am going to say some numbers. Listen carefully, and when I am through say them right after me. For example, if I say 7-1-9, what would you say?"

- If the participant responds correctly (7-1-9), say: "That's right," and proceed to Item 1.
- If the participant fails the example, say: "No, you would say 7-1-9. I said 7-1-9, so to say it forwards you would say 7-1-9. Now try these numbers. Remember, you are to say them forwards. 3-4-8."
- Whether the participant succeeds or fails with the second example (3-4-8), proceed to Item 1. Give no help on this second example or any of the items that follow.

Scoring: Each span is scored '1' (Pass) or '0' (Fail). Only discontinue test when participant has failed both trials of the same span length (e.g., 5a and 5b)

Item	Digit Span	<u>Pass</u>	<u>Fail</u>
<u>1</u> a.	1 - 7	<input type="radio"/> 1	<input type="radio"/> 0
b.	6 - 3	<input type="radio"/> 1	<input type="radio"/> 0
<u>2</u> a.	5 - 8 - 2	<input type="radio"/> 1	<input type="radio"/> 0
b.	6 - 9 - 4	<input type="radio"/> 1	<input type="radio"/> 0
<u>3</u> a.	6 - 4 - 3 - 9	<input type="radio"/> 1	<input type="radio"/> 0
b.	7 - 2 - 8 - 6	<input type="radio"/> 1	<input type="radio"/> 0
<u>4</u> a.	4 - 2 - 7 - 3 - 1	<input type="radio"/> 1	<input type="radio"/> 0
b.	7 - 5 - 8 - 3 - 6	<input type="radio"/> 1	<input type="radio"/> 0
<u>5</u> a.	6 - 1 - 9 - 4 - 7 - 3	<input type="radio"/> 1	<input type="radio"/> 0
b.	3 - 9 - 2 - 4 - 8 - 7	<input type="radio"/> 1	<input type="radio"/> 0
<u>6</u> a.	5 - 9 - 1 - 7 - 4 - 2 - 8	<input type="radio"/> 1	<input type="radio"/> 0
b.	4 - 1 - 7 - 9 - 3 - 8 - 6	<input type="radio"/> 1	<input type="radio"/> 0
<u>7</u> a.	5 - 8 - 1 - 9 - 2 - 6 - 4 - 7	<input type="radio"/> 1	<input type="radio"/> 0
b.	3 - 8 - 2 - 9 - 5 - 1 - 7 - 4	<input type="radio"/> 1	<input type="radio"/> 0
<u>8</u> a.	2 - 7 - 5 - 8 - 6 - 2 - 5 - 8 - 4	<input type="radio"/> 1	<input type="radio"/> 0
b.	7 - 1 - 3 - 9 - 4 - 2 - 5 - 6 - 8	<input type="radio"/> 1	<input type="radio"/> 0

8038424313

DIGIT SPAN TEST - - BACKWARD

- Administer the digit spans in order.
- Do not repeat a span once read.
- Administer both spans of the same length regardless of how the participant performs.
- Say the digits at a rate of 1 digit about every 1 sec.
- Use a monotonic voice; without inflections at the end

Examiner: *"Now I am going to say some numbers, but this time when I stop I want you say them backwards. For example, if I say 7-1-9, what would you say?"*

- If the participant responds correctly (9-1-7), say: *"That's right,"* and proceed to Item 1.
- If the participant fails the example, say: *"No, you would say 9-1-7. I said 7-1-9, so to say it backwards you would say 9-1-7. Now try these numbers. Remember, you are to say them backwards. 3-4-8."*
- Whether the participant succeeds or fails with the second example (3-4-8), proceed to Item 1. Give no help on this second example or any of the items that follow.
- Discontinue after failure on both trials of any item (e.g., 5a and 5b)

Scoring: Each span is scored '1' (Pass) or '0' (Fail). Only discontinue test when participant has failed both trials of the same span length (e.g., 5a and 5b)

Item	Digit Span	<u>Pass</u>	<u>Fail</u>
<u>1</u> a.	2 - 4	<input type="radio"/> 1	<input type="radio"/> 0
b.	5 - 7	<input type="radio"/> 1	<input type="radio"/> 0
<u>2</u> a.	6 - 2 - 9	<input type="radio"/> 1	<input type="radio"/> 0
b.	4 - 1 - 5	<input type="radio"/> 1	<input type="radio"/> 0
<u>3</u> a.	3 - 2 - 7 - 9	<input type="radio"/> 1	<input type="radio"/> 0
b.	4 - 9 - 6 - 8	<input type="radio"/> 1	<input type="radio"/> 0
<u>4</u> a.	1 - 5 - 2 - 8 - 6	<input type="radio"/> 1	<input type="radio"/> 0
b.	6 - 1 - 8 - 4 - 3	<input type="radio"/> 1	<input type="radio"/> 0
<u>5</u> a.	5 - 3 - 9 - 4 - 1 - 8	<input type="radio"/> 1	<input type="radio"/> 0
b.	7 - 2 - 4 - 8 - 5 - 6	<input type="radio"/> 1	<input type="radio"/> 0
<u>6</u> a.	8 - 1 - 2 - 9 - 3 - 6 - 5	<input type="radio"/> 1	<input type="radio"/> 0
b.	4 - 7 - 3 - 9 - 1 - 2 - 8	<input type="radio"/> 1	<input type="radio"/> 0
<u>7</u> a.	9 - 4 - 3 - 7 - 6 - 2 - 5 - 8	<input type="radio"/> 1	<input type="radio"/> 0
b.	7 - 2 - 8 - 1 - 9 - 6 - 5 - 3	<input type="radio"/> 1	<input type="radio"/> 0