

Emory Complex Figure Scoring and Recognition Task

Demographically Corrected Normative Scale Scores

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[Emory 10-Element Complex Figure](#)

[Emory Complex Figure Scoring Criteria and Scoring Form](#)

[Emory Complex Figure Recognition Stimuli](#)

[Recognizing Improved CF Memory Assessment](#)

Standard Scores for Emory CF Immediate Recall by Age and Education (*Black Participants*)

Age Education (years)	50-59 years old			60-69 years old			70+ years old		
	12-15	16-17	18+	12-15	16-17	18+	12-15	16-17	18+
Score									
1	0-1	0-1	0-1	-	-	-	-	-	-
2	2	2	2-3	0	0	0	-	-	-
3	3	3-4	4	1	1	1-2	0	0	0-1
4	4-5	5	5	2	2-3	3	1-2	1-2	2
5	6	6	6-7	3-4	4	4	3	3	3
6	7-8	7-8	8	5	5	5-6	4	4	4-5
7	9	9	9	6-7	6-7	7	5-6	5-6	6
8	10	10	10-11	8	8	8	7	7	7
9	11-12	11-12	12	9	9	9-10	8	8	8-9
10	13	13	13	10-11	10-11	11	9-10	9-10	10
11	14	14	14-15	12	12	12	11	11	11
12	15-16	15-16	16	13	13	13-14	12	12	12-13
13	17	17	17	14-15	14-15	15	13-14	13-14	14
14	18	18	18-19	16	16	16	15	15	15
15	19-20	19-20	20	17	17	17-18	16	16	16-17
16	-	-	-	18-19	18-19	19	17-18	17-18	18
17	-	-	-	20	20	20	19	19	19-20
18	-	-	-	-	-	-	20	20	-
19	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-

Standard Scores for Emory CF Delayed Recall by Age and Education (*Black Participants*)

Age Education (years)	50-59 years old			60-69 years old			70+ years old		
	12-15	16-17	18+	12-15	16-17	18+	12-15	16-17	18+
Scaled Score									
1	0-1	0	0-1	-	-	-	-	-	-
2	2	1-2	2	0	0	0	-	-	-
3	3	3	3	1	1	1	0-1	0-1	0-1
4	4-5	4-5	4-5	2	2	2-3	2	2	2
5	6	6	6	3-4	3-4	4	3	3	3-4
6	7	7	7-8	5	5	5	4-5	4-5	5
7	8-9	8-9	9	6-7	6	6-7	6	6	6
8	10	10	10	8	7-8	8	7	7	7-8
9	11	11	11-12	9	9	9	8-9	8-9	9
10	12-13	12-13	13	10-11	10-11	10-11	10	10	10
11	14	14	14	12	12	12	11-12	11	11-12
12	15	15	15-16	13	13	13-14	13	12-13	13
13	16-17	16-17	17	14-15	14-15	15	14	14	14
14	18	18	18	16	16	16	15-16	15-16	15-16
15	19-20	19-20	19-20	17	17	17-18	17	17	17
16	-	-	-	18-19	18-19	19	18	18	18-19
17	-	-	-	20	20	20	19-20	19-20	20
18	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-

Standard Scores for Emory CF Recognition by Age and Education (*Black Participants*)

Age Education (years)	50-59 years old			60-69 years old			70+ years old		
	12-15	16-17	18+	12-15	16-17	18+	12-15	16-17	18+
Scaled Score									
1	0-1	0-1	0-2	0	0-1	0-1	0	0	0
2	2	2	-	1	-	2	-	1	1
3	-	3	3	-	2	-	1	-	2
4	3	-	-	2	-	3	2	2	-
5	-	4	4	3	3	-	-	-	3
6	4	-	5	-	4	4	3	3	-
7	5	5	-	4	-	-	-	4	4
8	-	6	6	-	5	5	4	-	5
9	6	-	-	5	-	6	5	5	-
10	-	7	7	6	6	-	-	-	6
11	7	-	8	-	7	7	6	6	-
12	8	8	-	7	-	-	-	7	7
13	-	-	9	-	8	8	7	-	8
14	9	9	-	8	-	9	-	8	-
15	-	10	10	9	9	-	8	-	9
16	10	-	-	-	10	10	9	9	-
17	-	-	-	10	-	-	-	10	10
18	-	-	-	-	-	-	10	-	
19	-	-	-	-	-	-	-	-	
20	-	-	-	-	-	-	-	-	

Standard Scores for Emory CF **Immediate** Recall by Age and Education (*White Participants*)

Age Education (years)	50-59 years old			60-69 years old			70+ years old		
	12-15	16-17	18+	12-15	16-17	18+	12-15	16-17	18+
Scaled Score									
1	0-3	0-3	0-4	0-1	0-1	0-1	0	0	0
2	4-5	4-5	5	2	2	2-3	1	1	1-2
3	6	6	6	3-4	3-4	4	2-3	2-3	3
4	7	7	7-8	5	5	5	4	4	4
5	8-9	8-9	9	6	6	6-7	5	5	5-6
6	10	10	10	7-8	7-8	8	6-7	6-7	7
7	11	11	11-12	9	9	9	8	8	8
8	12-13	12-13	13	10	10	10-11	9	9	9-10
9	14	14	14	11-12	11-12	12	10-11	10-11	11
10	15	15-16	15-16	13	13	13-14	12	12	12-13
11	16-17	17	17	14	14-15	15	13	13-14	14
12	18	18	18-19	15-16	16	16	14-15	15	15
13	19	19-20	20	17	17	17-18	16	16	16-17
14	20	-	-	18	18-19	19	17-18	17-18	18
15	-	-	-	19-20	20	20	19	19	19
16	-	-	-	-	-	-	20	20	20
17	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-

Standard Scores for Emory CF Delayed Recall by Age and Education (*White Participants*)

Age Education (years)	50-59 years old			60-69 years old			70+ years old		
	12-15	16-17	18+	12-15	16-17	18+	12-15	16-17	18+
Scaled Score									
1	0-3	0-3	0-3	0-1	0-1	0-1	0	0	0
2	4	4	4	2	2	2	1-2	1-2	1-2
3	5-6	5	5-6	3	3	3-4	3	3	3
4	7	6-7	7	4-5	4-5	5	4	4	4
5	8	8	8	6	6	6	5-6	5-6	5-6
6	9-10	9-10	9-10	7	7	7-8	7	7	7
7	11	11	11	8-9	8-9	9	8	8	8-9
8	12	12	12-13	10	10	10	9-10	9-10	10
9	13-14	13-14	14	11-12	11-12	11-12	11	11	11
10	15	15	15	13	13	13	12	12	12-13
11	16	16	16-17	14	14	14	13-14	13-14	14
12	17-18	17-18	18	15-16	15-16	15-16	15	15	15
13	19	19	19	17	17	17	16-17	16-17	16-17
14	20	20	20	18	18	18-19	18	18	18
15	-	-	-	19-20	19-20	20	19	19	19
16	-	-	-	-	-	-	20	20	20
17	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-

Standard Scores for Emory CF Recognition by Age and Education (*White Participants*)

Age Education (years)	50-59 years old			60-69 years old			70+ years old		
	12-15	16-17	18+	12-15	16-17	18+	12-15	16-17	18+
Scaled Score									
1	0-2	0-3	0-3	0-2	0-2	0-2	0-1	0-1	0-2
2	3	-	4	-	3	3	2	2	-
3	4	4	-	3	-	-	-	3	3
4	-	-	5	-	4	4	3	-	4
5	5	5	-	4	-	5	4	4	-
6	-	6	6	5	5	-	-	-	5
7	6	-	7	-	6	6	5	5	-
8	7	7	-	6	-	-	-	6	6
9	-	-	8	-	7	7	6	-	-
10	8	8	-	7	-	8	-	7	7
11	-	9	9	8	8	-	7	-	8
12	9	-	10	-	9	9	8	8	-
13	-	10	-	9	-	-	-	9	9
14	10	-	-	-	10	10	9	-	-
15	-	-	-	10	-	-	-	10	10
16	-	-	-	-	-	-	10	-	-
17	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-

Immediate Recall predicted by Recognition Performance

<i>Recognition Score</i>	<i>Predicted Immediate Recall Score</i>	<i>≤10%ile</i>
0	1.2	NA
1	2.8	NA
2	4.4	0
3	6.0	≤2
4	7.6	≤3
5	9.2	≤5
6	10.8	≤6
7	12.4	≤8
8	14.0	≤10
9	15.6	≤11
10	17.2	≤13

Note. Percentiles reflect the probability that recognition performance falls at an uncommonly low level relative to the normative distribution