

## **CSID Domain Scores**

The Community Screening Interview for Dementia (CSID) has been used as a screening tool for dementia. The items were chosen for this purpose and some items were weighted to achieve this goal. Now there is interest using the CSID to detect changes associated with aging more broadly. To this end, items that have been part of the screening exam but never included in or counted toward the CSID Cogscore will now be included in the CSID-Revised (CSID-R) including: the East Boston Story delayed recall, three mental calculation items, the name of the state, the name of the President, and the name of the Governor. In addition, fractional weighting of some items (3 object repetition, 3 object recall, 3 instruction command, and animal naming during 60 seconds) will be replaced with unit weighting except that Animal naming is capped at a maximum of raw score of 23 (95th percentile). These changes produce a test with 42 separate items and a total score range of 0-80.

Following the long-established trend in cognitive aging, items are categorized into major domains of Semantic (or Crystallized) versus Fluid abilities. The Fluid abilities domain has been further subdivided into Memory and Executive abilities. A brief summary of the breakdown CSID-R by domains (number of items and points) is listed below. On the following page, a table lists each individual item and denotes its domain designation and point range. The item numbers simply refer to the order in which they are administered. Several items have multiple parts, or units; each are given 1 point for being correct, which the number of units per item are reflected by the maximum score shown in the table.

For scoring the domains, as long as 66.7% of the units within the domain were non-missing, the domain score was calculated with missing units being replaced by imputed scores based upon the mean of the answered items. For the executive domain, the subject had to have at least 66.7% of the dichotomous units and non-missing animal fluency to be scored. The total score is the sum of the 3 domains and is only calculated if all 3 domain scores are not missing.

### Total Score

42 items

80 points

### Semantic Knowledge Domain

12 items (29% of the total)

12 units-must have at least 8 (66.7%) units non-missing to score

12 points (15% of the total possible)

### Memory - New Learning Domain

17 items (40% of the total)

29 units-must have at least 20 (69%) units non-missing to score

29 points (36% of the total possible)

### Executive Domain

13 items (31% of the total)

16 units + animal fluency-must have at least 11 (69%) units AND non-missing animal fluency to score

39 points (49% of the total possible; with up to 23 points coming from Animal fluency)

**Table. Cognitive Domain, score range, and item content by item for CSID-R**

Domain	Score/Unit	Item#	Item
Executive	0-1	1	My last name is _____. Can you repeat this please?
Semantic	0-1	2	Show your pencil. What is this called?
Semantic	0-1	3	Point to your watch. What is this called?
Semantic	0-1	4	Pat your chair. What is this called?
Semantic	0-1	5	Point to your shoes. What are these called?
Semantic	0-1	6	Show your knuckles. What do we call these?
Semantic	0-1	7	Point to your elbow. What do we call this?
Semantic	0-1	8	Point to your shoulder. What do we call this part of our body?
Semantic	0-1	9	Now I will tell you the name of something, and I want you to describe what it is. What is a bridge?
Semantic	0-1	10	What do you do with a hammer?
Semantic	0-1	11	What do people do in a church?
Semantic	0-1	12	Where do we buy medicine?
Executive	0-1	13	I would like for you to repeat what I say: "no ifs, ands, or buts"
Memory	0-1	14	Do you remember my name? What is it?
Executive	0-23	15	Now I would like for you to tell the names for <u>as many different</u> animals as you can.
Executive	0-3	16	Now I am going to tell you three words and I would like for you to repeat them after me: Boat, House, Fish
Executive	0-1	17	If I had 20 dollars and gave you 2 dollars, how many would I have left?
Memory	0-3	18	Do you remember the three words I told you a few minutes ago? (Boat, House, Fish)
Executive	0-1	19	If one pound of butter costs 2 dollars, how much would 2 pounds of butter cost?
Executive	0-1	20	If one pound of butter costs 2 dollars, how much would 3 pounds of butter cost?
Executive	0-1	21	If one pound of butter costs 2 dollars, how much would 4 pounds of butter cost?
Memory	0-1	22	What is the name of this city?
Memory	0-1	23	Who is the Mayor of this city?
Memory	0-1	24	What are the two major streets near your home?
Memory	0-1	25	Where is the City Market?
Memory	0-1	26	What is your complete address, including your zip code?
Memory	0-1	27	What day of the week is it?
Memory	0-1	28	What month is it?
Memory	0-1	29	What year is this?
Memory	0-1	30	What season is it?
Memory	0-1	31	Did it rain (snow) yesterday? (Yes, No)
Executive	0-1	32	Please nod your head.
Executive	0-1	33	Please point <u>first</u> to the window and <u>then</u> to the door.
Executive	0-3	34	I am going to give you a piece of paper. When I do, take the paper in your right hand, fold the paper in half with both hands, and put the paper down on your lap.
Memory	0-1	35	Do you remember my name?
Memory	0-6	36	Now I will read a short story. I will then ask you to repeat as much of the story as you can remember. I want you to listen very carefully because I want you to try to tell me the whole story with as many details as you can remember. "Three children were alone at home and the house caught on fire. A brave man managed to climb in a back window and carry them to safety. Aside from minor cuts and bruises, all were well."
Executive	0-1	37	Please make a copy of this figure in the space below (overlapping circles)
Executive	0-1	38	Please make a copy of this figure in the space below (overlapping pentagons)
Memory	0-6	39	Remember the story I told you awhile ago. Now I would like for you to tell me as much as you can about it.
Semantic	0-1	40	What is the name of the civil rights leader who was assassinated in Memphis in 1968?
Memory	0-1	41	Who is the current President of the United States?
Memory	0-1	42	Who is the current Governor of Indiana?