

## Appendix 1. Clinical scale items used for analysis.

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	Max score
<b>ADAS-cog (all datasets)</b>	<b>80</b>
1. Word recall	10
2. Commands	5
3. Constructional praxis	5
4. Delayed word-recall	10
5. Naming objects/fingers	5
6. Ideational praxis	5
7. Orientation	8
8. Word recognition	12
9. Remembering test instructions	5
10. Spoken language ability	5
11. Word finding difficulty	5
12. Comprehension	5

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Abbreviation: ADAS-cog = Alzheimer's Disease Assessment Scale-cognitive subscale.

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	Max score
<b>MMSE (all datasets)</b>	<b>30</b>
1. Orientation-time	5
2. Orientation-place	5
3. Memory registration/recognition	3
4. Attention and concentration/calculation	5
5. Memory recall	3
6. Language (naming, repetition,comprehension, writing spontaneous, reading, drawing)	9

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Abbreviation: MMSE = Mini Mental State Examination.

	<b>Max score</b>
<b>CDR-SB (all datasets)</b>	<b>18</b>
1. Memory	3
2. Orientation	3
3. Judgment/problem solving	3
4. Community affairs	3
5. Home and hobbies	3
6. Personal care	3

Abbreviation: CDR-SB =, Clinical Dementia Rating, sum of boxes.

<b>ADLs<sup>a</sup></b>	<b>Items used</b>		
	<b>ADNI-MCI</b>	<b>ADCS-MCI</b>	<b>in analysis</b>
	<b>FAQ</b>	<b>ADCS-ADL</b>	
	<b>max score</b>	<b>max score</b>	<b>Scaled max</b>
1. Obtaining a beverage	5		
2. Making a meal or snack	5	3	1
3. Traveling	5	3	1
4. Shopping	5	2	1
5. Keeping appointments	5	3	1
6. Discussing current events	5	4	1
7. Reading a book or magazine		3	
8. Performing a game or hobby	5	3	1
9. Managing finances	5	2	1
10. TV	5	3	1
11. Belongings	5	3	1
12. Clothing		3	
13. Dressing		4	
14. Cleaning		2	
15. Writing		2	
16. Doing laundry		2	
17. Use of telephone		4	
18. Can be left alone		3	
19. Able to use appliances		4	

Abbreviations: ADLs = activities of daily living; FAQ = Functional Activities

Questionnaire; MCI = mild cognitive impairment.

<sup>a</sup> ADL items were used in analyses only if available for both ADNI-MCI and ADCS-MCI datasets.

	<b>Max score</b>	<b>ADNI-MCI</b>	<b>ADCS-MCI</b>
<b>NPIs (ADNI-MCI only)</b>	<b>144</b>	<b>X</b>	<b>X</b>
1. Hallucinations	12	X	X
2. Delusions	12	X	X
3. Agitation/aggression	12	X	X
4. Dysphoria/depression	12	X	X
5. Anxiety	12	X	X
6. Irritability	12	X	X
7. Disinhibition	12	X	X
8. Euphoria	12	X	X
9. Apathy	12	X	X
10. Aberrant motor behavior	12	X	X
11. Sleep and night-time behavior change	12	X	X
12. Appetite and eating change	12	X	X

Abbreviations: MCI = mild cognitive impairment;

NPI = Neuropsychiatric Inventory.

<b>Max score</b>	<b>ADNI-MCI</b>	<b>ADCS-MCI</b>
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**NTB**

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1. Logical memory–immediate recall	25	X	X
2. Logical Memory–delayed recall	25	X	X
3. Clock total score	5	X	X
4. Boston naming test	30	X	X
5. Digit symbol substitution	93	X	X
6. Trail making part A	300 sec	X	X
7. Trail making part B	150 sec	X	X
8. Clock copy total score	5	X	X
9. Digit span forward	12	X	X
10. Digit span backward	12	X	X
11. Category fluency (animals)	30	X	X
12. Category fluency (vegetables)	30	X	X
13. Trial 4 total of the auditory verbal learning test	15	X	X
14. Auditory verbal 30 min delay total	15	X	X
15. Auditory verbal recognition score	15	X	X
16. Reading test	50	X	
17. Number cancellation	100	X	
18. NYU delayed recall	21		

19. NYU immediate recall	21	
20. Maze time at completion	240 sec	X

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Abbreviations: MCI = mild cognitive impairment; NTB = Neuropsychological Assessment

Battery; NYU = New York University.