

# Brain Power Brain Injury Adaptive Functioning Inventory\*

Patient Name: \_\_\_\_\_ Rater Name: \_\_\_\_\_ Date: \_\_\_\_\_

Person reporting (Circle One):    Single Professional    Professional Consensus    Patient    Significant Other: \_\_\_\_\_

Below each item provide a rating, based on the scale at the top of each page, of which conditions existed before the injury, at the time treatment began and after treatment. Mark the greatest level of problem that is appropriate. Problems that interfere rarely with daily activities or academic/vocational functioning, that is, less than 5% of the time, should be considered not to interfere. If you are unable to evaluate a certain area, merely indicate that you "don't know." Write comments about specific items at the end of the rating scale by referring the item number.

0 Don't Know	1 None	2 Mild problems but does <u>not</u> interfere with activities, may use assistive device or medication.	3 Mild problem; interferes with activities 5-24% of the time.	4 Moderate problem; interferes with activities 25-75% of the time.	5 Severe problems; interferes with activities more than 75% of the time.
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## Part A. Physical and Mental Abilities

### Motor

**1. Mobility:** Problems walking or moving; balance problems that interfere with moving about.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**2. Use of hands:** Impaired strength coordination in one or both hands.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**3. Handwriting/Drawing:** Sloppy handwriting or difficulty reproducing simple designs.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**4. Eye/Hand Coordination:** Difficulty catching a ball or performing similar tasks.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

### Visual Processing

**5. Vision:** Problems seeing; double vision; i.e., brain, or nerve injuries that interfere with seeing.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**6. Visual Perception:** Difficulty with accurate identification of letters, numbers or objects.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**7. Visual Processing Speed:** Slow (but accurate) identification or perception; slow reading speed (not due to problems with phonics or language processing).

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**8. Visuospatial Abilities:** Problems drawing (not due to motor problems), assembling things, route-finding, being visually aware on both the left and right sides.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

### Auditory Processing

**10. Hearing:** Problems hearing; ringing in the ears.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**11. Perception of Speech:** Problems correctly identifying words.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

0 Don't Know	1 None	2 Mild problems but does not interfere with activities, may use assistive device or medication.	3 Mild problem; interferes with activities 5-24% of the time.	4 Moderate problem; interferes with activities 25-75% of the time.	5 Severe problems; interferes with activities more than 75% of the time.
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**12. Perception of Rhythm and Pitch:** Problems singing on key or keeping the correct tempo (i.e. clapping with the beat).

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**13. Auditory Processing Speed:** Slow (but accurate) identification of words, melody or rhythm.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

### Verbal Communication

**14. Motor Speech:** Abnormal clearness or rate of speech; stuttering.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**15. Problems expressing thoughts:** Problems with word finding or organizing verbal expression.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**16. Problems understanding language:** Problems understanding what others are saying.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

### Other Cognitive Skills

**17. Nonverbal Communication:** Restricted or unusual gestures or facial expressions; talking too much or not enough; missing nonverbal cues from others.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**18. Attention/Concentration:** Problems ignoring distractions, shifting attention, keeping more than one thing in mind at a time (if not corrected with medication).

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**19. Novel Problem Solving:** Problems thinking up solutions or picking the best solution to new problems.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**20. Planning and Organization:** Difficulty with planning, sequencing and organizing activities, materials or environment.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**21. Memory:** Problems learning and recalling new information.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**22. Fund of Information:** Problems remembering old information learned in school or on the job; difficulty remembering information about self and family from years ago.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

## Part B. Academic Skills

### Reading

**23. Mastery of phonics for reading:** Difficulty sounding out words (not due to misperception of letters).

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**24. Reading Fluency:** Slow reading speed due to slow visual processing (not due to problems with phonics).

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

0 Don't Know	1 None	2 Mild problems but does <u>not</u> interfere with activities, may use assistive device or medication.	3 Mild problem; interferes with activities 5-24% of the time.	4 Moderate problem; interferes with activities 25-75% of the time.	5 Severe problems; interferes with activities more than 75% of the time.
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**25. Reading comprehension:** Poor comprehension of reading material (not due to memory problems).

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

### Spelling

**26. Spelling:** Problems spelling words correctly; misspelled words are phonetically correct.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**27. Mastery of phonics for spelling:** Misspelled words contain incorrect or missing letters/sounds, and are not phonetically correct.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

### Math

**28. Numerical concepts:** Problems understanding the numerical value of written numbers or the numerical relationship/value between two numbers.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**29. Basic operations:** Problems understanding how to perform basic operations (addition and subtraction).

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**30. Multiplication tables:** Problems memorizing the multiplication tables.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**31. Multi-step operations:** Difficulty completing problems that require multiple steps.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

## **Part C. Adjustment**

**32. Anxiety:** Tense, nervous, worry, fearful, phobias, nightmares, flashbacks of stressful events, obsessions, compulsive behavior.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**33. Depression:** Sad, blue, hopeless, poor motivation, loss of enjoyment in activities, isolation from others.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**34. Irritability, anger, aggression:** Poor frustration tolerance; inappropriate or poorly regulated verbal or physical expressions of anger.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**35. Inappropriate social interactions:** Acting immature, silly, rude, behavior not fitting for time and place.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**36. Poor self-esteem:** Feelings of inadequacy, self-criticism.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**37. Impaired self awareness:** Lack of recognition of personal limitations and disabilities, and how they interfere with everyday activities and work or school.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

0 Don't Know	1 None	2 Mild problems but does <u>not</u> interfere with activities, may use assistive device or medication.	3 Mild problem; interferes with activities 5-24% of the time.	4 Moderate problem; interferes with activities 25-75% of the time.	5 Severe problems; interferes with activities more than 75% of the time.
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**38. Impaired awareness of others:** Lack of awareness of how behavior affects others or the feelings of others.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**39. Oppositional/Defiant Behavior:** Negativistic, hostile, argumentative or defiant behavior.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

**Use the following scales to rate the next items.**

**41. Family/significant relationships:** Interactions with close others; describe stress within the family or those closest to the person receiving treatment; "family functioning" means cooperating to accomplish those tasks that need to be done to keep the household running.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

0 Don't Know	1 Normal stress within the family or other close network of relationships	2 Mild stress that does <u>not</u> interfere with family functioning.	3 Mild stress that interferes with family functioning 5-24% of the time.	4 Moderate stress that interferes with family functioning 25-75% of the time.	5 Severe stress that interferes with family functioning more than 75% of the time.
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**Part D. Pre-existing and Associated Conditions**

**42. Alcohol use:** Use of alcoholic beverages.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

0 Don't Know	1 No or socially acceptable use.	2 Occasionally exceeds socially acceptable use, but does not interfere with everyday functioning; current problem under treatment or in remission.	3 Frequent excessive use that occasionally interferes with everyday functioning; possible dependence.	4 User dependence interferes with everyday functioning; additional treatment recommended.	5 Inpatient or residential treatment required.
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**43. Drug use:** Use of illegal drugs or abuse of prescription drugs.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

0 Don't Know	1 No or occasional use.	2 Occasional use it does not interfere with everyday functioning; current problem under treatment or inward mission.	3 Frequent use that occasionally interferes with everyday functioning; possible dependence.	4 Use or dependence interferes with everyday functioning; additional treatment recommended.	5 Inpatient or residential treatment required.
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**44. Psychotic symptoms:** Hallucinations, delusions, other persistence severely distorted perceptions of reality.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

0 Don't Know	1 None.	2 Current problem under treatment or in remission; symptoms do not interfere with everyday functioning.	3 Symptoms occasionally interfere with everyday functioning but no additional evaluation or treatment recommended.	4 Symptoms interfere with everyday functioning; additional treatment recommended.	5 Inpatient or residential treatment required.
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**45. Major Depressive Disorder:** Periods of mild to severe depression which occur independent of external stressors.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

0 Don't Know	1 None.	2 Current problem under treatment or in remission; symptoms do not interfere with everyday functioning.	3 Symptoms occasionally interfere with everyday functioning but no additional evaluation or treatment recommended.	4 Symptoms interfere with everyday functioning; additional treatment recommended.	5 Inpatient or residential treatment required.
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**44. Bipolar Disorder:** Periods of mild to severe depression and mild to severe elevated (hypomanic/manic) mood which occur independent of external stressors.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

0 Don't Know	1 None.	2 Current problem under treatment or in remission; symptoms do not interfere with everyday functioning.	3 Symptoms occasionally interfere with everyday functioning but no additional evaluation or treatment recommended.	4 Symptoms interfere with everyday functioning; additional treatment recommended.	5 Inpatient or residential treatment required.
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**45. Anxiety Disorder:** Problems with generalized anxiety (chronic tension, apprehension and worry), obsessive-compulsive disorder, panic disorder, posttraumatic stress disorder, or other anxiety related disorders.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

0 Don't Know	1 None.	2 Current problem under treatment or in remission; symptoms do not interfere with everyday functioning.	3 Symptoms occasionally interfere with everyday functioning but no additional evaluation or treatment recommended.	4 Symptoms interfere with everyday functioning; additional treatment recommended.	5 Inpatient or residential treatment required.
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**46. Behavioral Disorder (Children only):** Oppositional and defiant behavior with authority figures at home and/or school; aggressive behavior, destruction of property, deceitfulness or theft.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

0 Don't Know	1 None.	2 Current problem under treatment or in remission; symptoms do not interfere with everyday functioning.	3 Symptoms occasionally interfere with everyday functioning but no additional evaluation or treatment recommended.	4 Symptoms interfere with everyday functioning; additional treatment recommended.	5 Inpatient or residential treatment required.
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**47. Law violations:** History of conviction as a juvenile or adult.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

0 Don't Know	2 None or minor traffic violations only.	2 Conviction on one or two misdemeanors other than minor traffic violations.	3 History of more than two misdemeanors other than minor traffic violations.	4 Single felony conviction.	5 Repeat felony convictions.
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**48. Other condition causing physical impairment:** Physical impairment due to medical conditions other than a brain injury, such as a spinal cord injury, amputation, etc.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

0 Don't Know	1 None	2 Mild problems but does not interfere with activities, may use assistive device or medication.	3 Mild problem; interferes with activities 5-24% of the time.	4 Moderate problem; interferes with activities 25-75% of the time.	5 Severe problems; interferes with activities more than 75% of the time.
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**49. Other condition causing cognitive impairment:** Cognitive impairment due to non-psychiatric medical conditions other than a brain injury, such as dementia, stroke or developmental disability.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

0 Don't Know	1 None	2 Mild problems but does <u>not</u> interfere with activities, may use assistive device or medication.	3 Mild problem; interferes with activities 5-24% of the time.	4 Moderate problem; interferes with activities 25-75% of the time.	5 Severe problems; interferes with activities more than 75% of the time.
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**Part E: Participation**

**50. Initiation:** Problems getting started on activities without prompting.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

0 Don't Know	1 None	2 Mild problems but does <u>not</u> interfere with activities, may use assistive device or medication.	3 Mild problem; interferes with activities 5-24% of the time.	4 Moderate problem; interferes with activities 25-75% of the time.	5 Severe problems; interferes with activities more than 75% of the time.
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**51. Socialization:** Social contact with friends, work associates, and other people who are not family, significant others, or professionals:

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

0 Don't Know	1 Normal involvement with others.	2 Mild difficulty in social situations, but maintains normal involvement with others.	3 Mildly limited involvement with others (75-90% of normal interaction for age).	4 Moderately limited involvement with others (25-74% of normal interaction for age).	5 No or rare involvement with others (less than 25% of normal interaction for age).
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**52. Leisure and recreational activities.**

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

0 Don't Know	1 Normal participation in leisure activities for age.	2 Mild problems but does <u>not</u> interfere with activities, may use assistive device or medication.	3 Mild problem; interferes with activities 5-24% of the time.	4 Moderate problem; interferes with activities 25-75% of the time.	5 Severe problems; interferes with activities more than 75% of the time.
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**53. Self-care:** Eating, dressing, bathing, hygiene.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

0 Don't Know	1 Independent completion of self-care activities.	2 Mild problems but does <u>not</u> interfere with activities, <u>may</u> use assistive device or medication.	3 Mild problem; interferes with activities 5-24% of the time.	4 Moderate problem; interferes with activities 25-75% of the time.	5 Severe problems; interferes with activities more than 75% of the time.
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**54. Residence:** Responsibilities of independent living and homemaking (such as meal preparation, home repairs and maintenance, personal health maintenance beyond basic hygiene including medication management) but not including managing money.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

0 Don't Know	1 Independent; living without supervision or concern from others.	2 Living without supervision but others have concerns about safety or managing responsibilities.	3 Requires a little assistance or supervision from others (5-24% of the time).	4 Requires moderate assistance or supervision from others (25-75% of the time).	5 Requires extensive assistance or supervision from others (more than 75% of the time).
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**55. Transportation**

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

0 Don't Know	1 Independent in all modes of transportation including independent ability to operate a personal motor vehicle.	2 Independent in all modes of transportation, but others have concerns about safety.	3 Requires a little assistance or supervision from others (5-24% of the time); cannot drive.	4 Requires moderate assistance or supervision from others (25-75% of the time); cannot drive.	5 Requires extensive assistance or supervision from others (more than 75% of the time); cannot drive.
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**56A. Paid Employment:** Rate either item 56A or 56B to reflect the primary desired social role. **Do not rate both.** Rate 56A if the primary social role is paid employment. If another social role is primary, rate only 56B. For both 56A and 56B, "support" means special help from another person with responsibility (such as a job coach or shadow, tutor, helper) or reduced responsibilities. Modifications to the physical environment that facilitate employment are not considered as support.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

0 Don't Know	1 Full-time (more than 30 hours per week) without support.	2 Part-time (3 to 30 hours per week) without support.	3 Full-time or part-time with support.	4 Sheltered work.	5 Unemployed; employed less than three hours per week.
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**56B. Other employment:** Involved in constructive, role-appropriate activity other than paid employment. Check only one to indicate primary desired social role.

1 Child rearing / caregiving.	2 Homemaker, no child rearing or caregiving.	3 Student	4 Volunteer	5 Retired (Check only if over age 60; if retired as disabled and under age 60, indicate "Unemployed" under item 56A.
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Pre-injury category/rating \_\_\_\_\_/\_\_\_\_\_ Pre-treatment category/rating \_\_\_\_\_/\_\_\_\_\_ Post-treatment category/rating \_\_\_\_\_/\_\_\_\_\_

0 Don't Know	1 Full-time (more than 30 hours per week) without support; full-time course load for students.	2 Part-time (3 to 30 hours per week) without support.	3 Full-time or part-time with support.	4 Activities in a supervised environment other than a sheltered workshop.	5 Inactive; involved in role appropriate activities less than three hours per week.
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**57. Managing money and finances:** Shopping, keeping a checkbook or other bank account, managing personal income and investments; if Independent with small purchases but not able to manage larger personal finances or investments, rate as 3 or 4.

Pre-injury rating \_\_\_\_\_ Pre-treatment rating \_\_\_\_\_ Post-treatment rating \_\_\_\_\_

0 Don't Know	1 Independent, manages small purchases and personal finances without supervision or concern from others.	2 Manages money independently, but others have concerns about larger financial decisions.	3 Requires a little help or supervision (5-24% of the time) with large finances; Independent with small purchases.	4 Requires moderate help or supervision (25-75% of the time) with large finances; some help with small purchases.	5 Requires extensive help or supervision (more than 75% of the time) with large finances; frequent help with small purchases.
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Item #    Comment

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\*Portions adapted from the Mayo-Portland Adaptability Inventory-4