The Value of Cognitive Rehabilitation for Adults With Acquired Brain Injury (ABI)

ABI is a serious public health problem in the United States.

- **Number of individuals who experience an ABI each year:** 2.5 million
- **Direct and indirect costs associated with ABI:** $45.5-$60.4 billion

Cognitive rehabilitation decreases length of stay, increases independence, and improves overall function. Speech-language pathologists are a key part of the team that provides cognitive rehabilitation to adults with ABI.

Adults receiving cognitive rehabilitation are...
- 17%-45% more likely to return to work.
- 2.4 times more likely to be employed full time 12 months post injury.
- 1.5 times more likely to live at home.
- 45% less likely to reside in a skilled nursing facility.

Compared with usual care, adults who receive early and continuous cognitive rehabilitation are discharged...
- 17 days sooner from acute care.
- 29 days sooner from inpatient rehabilitation.
- 35 days sooner from the hospital.

Adults receiving cognitive rehabilitation improve in...
- Activities of daily living
- Attention
- Executive function
- Global cognition
- Memory
- Quality of life
- Self-awareness
- Social cognition and pragmatic language
- Strategy use
- Visuospatial skills

After speech-language pathology treatment...

- 77% made functional gains on clinician-assessed cognitive measures.
- 97% felt that their cognitive skills improved.
- 60% were better able to complete complex living tasks such as managing finances and medications.
- 90% felt like they had the necessary cognitive skills for school, work, or social activities.
- 50% required less supervision or assistance due to cognitive deficits.

Increased Knowledge and Impact of Injury

Because of speech-language pathology services, 96.6% of adults receiving cognitive rehabilitation had a better understanding of their cognitive problems.

Customer Satisfaction

Among those receiving cognitive rehabilitation, 85.7%-91.8% were satisfied with their cognitive rehabilitation services.
References


