



# 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.<sup>1,2</sup>



Direct and indirect costs associated with ABI.<sup>3</sup>



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.<sup>4-7</sup>



## Adults receiving cognitive rehabilitation are...

- 17%-45% more likely to return to work.<sup>7,9</sup>
- 2.4 times more likely to be employed full time 12 months post injury.<sup>8</sup>
- 1.5 times more likely to live at home.<sup>8</sup>
- 45% less likely to reside in a skilled nursing facility.<sup>8</sup>

## Compared with usual care, adults who receive early and continuous cognitive rehabilitation are discharged...

- 17 days sooner from acute care.<sup>8</sup>
- 29 days sooner from inpatient rehabilitation.<sup>8</sup>
- 35 days sooner from the hospital.<sup>8</sup>

## Adults receiving cognitive rehabilitation improve in...

Activities of daily living<sup>7, 10</sup>

Attention<sup>7, 11-15</sup>

Executive function<sup>7, 14-18</sup>

Global cognition<sup>7, 10, 13-15, 18-20</sup>

Memory<sup>7, 14, 15, 18, 21-26</sup>



Quality of life<sup>7</sup>

Self-awareness<sup>7</sup>

Social cognition and pragmatic language<sup>7, 27, 28</sup>

Strategy use<sup>6, 27</sup>

Visuospatial skills<sup>17</sup>



## After speech-language pathology treatment...



## 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.<sup>29</sup>

## ★★★ Consumer Satisfaction

Among those receiving cognitive rehabilitation, 85.7%-91.8% were satisfied with their cognitive rehabilitation services.<sup>30, 31</sup>

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