

# Vocational rehabilitation for clients with cognitive and behavioral disorders associated with traumatic brain injury

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## Abstract

**OBJECTIVE:** To report on functional outcomes of clients with traumatic brain injury (TBI) admitted to a sub-acute rehabilitation hospital and rehabilitation facility in Japan.

**PARTICIPANTS:** The subjects included 300 adults with TBI who underwent a rehabilitation in-patient program at the hospital at the Kanagawa Rehabilitation Center.

**METHODS:** Individual and group programs were designed for TBI clients using an interdisciplinary teamwork model including supported employment. All clients were evaluated by the Barthel Index, WAIS-R, and social outcome.

**RESULTS:** Overall, at discharge from the hospital, 46.4% of 300 clients were placed in gainful employment or returned to the school they had attended previously.

**CONCLUSIONS:** Despite a high prevalence of cognitive and behavioral disorders after moderate-to-severe TBI, long-term functional improvement is likely to occur in clients with TBI. Greater gains in both physical and cognitive functions are made through a multidisciplinary, wide-ranging, comprehensive approach to rehabilitation.