

Mayo-Portland Adaptability Inventory

(MPAI-4 Assessment)

Introduction

The Mayo-Portland Adaptability Inventory-4 (acronym MPAI-4) is a standard outcome measurement system that evaluates the functional limits of individuals who have an acquired brain injury. Rehabilitation providers across the nation use MPAI-4 data to understand individual outcomes and to evaluate rehabilitation programs serving individuals with brain injuries.

The Lighthouse Inc. utilizes the MPAI-4 assessment to evaluate its brain injury program and the accomplishments of the individuals served.

The MPAI-4 assessment provides a system of measurements on multiple aspects of an individual's recovery. The MPAI-4 assessment evaluates a person's:

- **Abilities** - mobility, communication, memory, and problem-solving
- **Adjustment** - anxiety, depression, anger, pain, and awareness
- **Participation** - an individual's ability to care for him/herself, participate socially, work, manage leisure time, manage money, and initiate or participate in activities
- **Total Change- Demonstrates** the total change of rating scores

Recognizing that individuals with a brain injury have significant deficits or impairments - the MPAI-4 tells us how much the person's impairment is affecting his/her daily life. The person's outcome measurements are reported in T-scores. The T-score measures the variation of the impaired person's level of functionality to a sample of healthy individuals.

The MPAI-4 assessment measures the person's progress as indicated by a decrease in T-score, where the higher the T-score the greater the person's impairment.

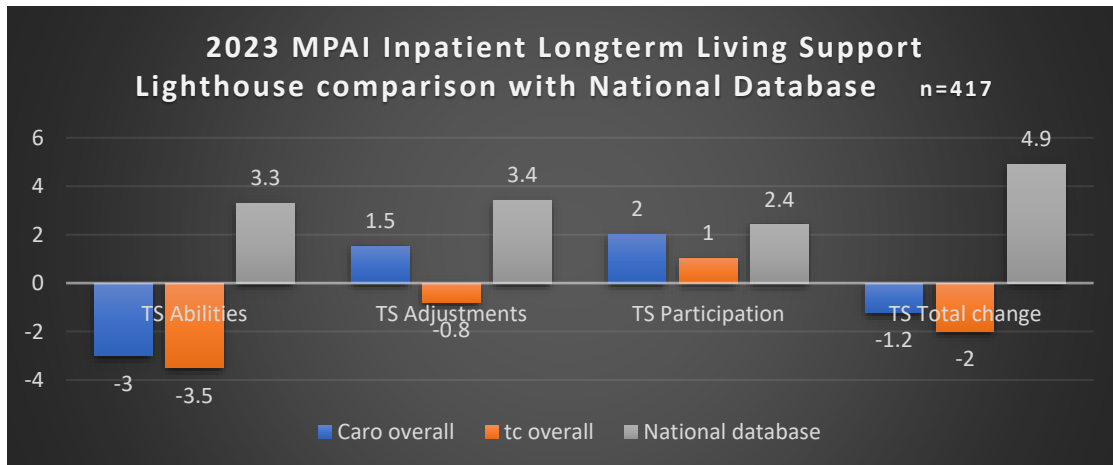
The Lighthouse assesses the functional limitations of two (2) groups of rehabilitation participants with a high level of complexity and severe functional limitations:

- **Group 1** - Inpatient Long-Term Living Supports (LLS): Residents whose placement is considered long-term and require long-term living supports (LLS), with less than 10 hours of therapy per week.
- **Group 2**-Inpatient Intensive Rehabilitation Services (IRS): Participants registered as receiving 10 or more therapy hours per week.
- **Group 3**- Outpatient Long-Term Living Supports (LLS): Residents whose placement is considered long-term and require long-term living supports (LLS), with less than 10 hours of therapy per week.
- **Group 4**-Outpatient Intensive Rehabilitation Services (IRS): Participants registered as receiving 10 or more therapy hours per week.

The goal is to demonstrate a score lower to show the amount of change made in rating. The graphs below demonstrate the average improvement made by residents benchmarked to the National database. The TS total change will demonstrate the overall amount of change made for improvements in residents and outpatient functioning.

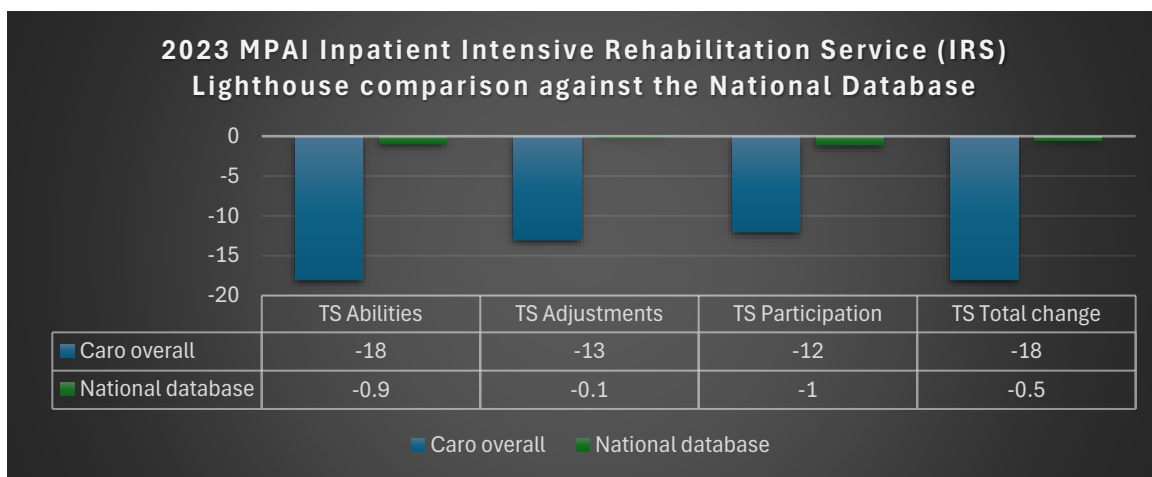
The last comparison is made with the database with other Brain Injury clients from other organizations allowing the Lighthouse to benchmark their improvement in residents.

Group 1: Inpatient Longterm Living Support (LLS)



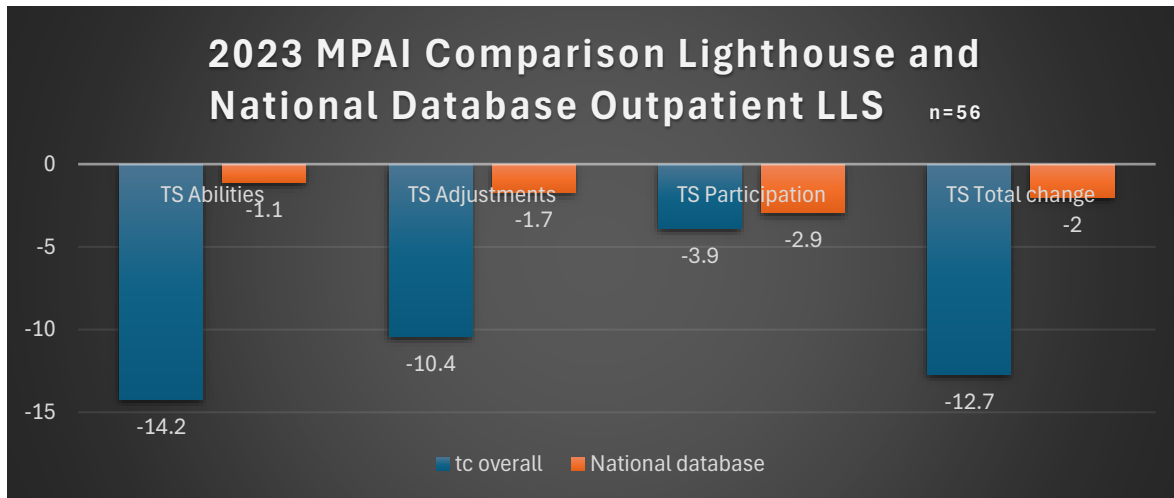
The graph demonstrates the average change in improvement of resident scores in comparison to others registered with the National Database. In all areas rating categories, both Lighthouse campuses demonstrate improvement. The overall total score shows the National Database clients to decline in improvement whereas the Lighthouse shows improvement in the resident's overall functioning for the long-term Living Support group.

Group 2: Intensive Rehabilitation Services (IRS) Inpatient



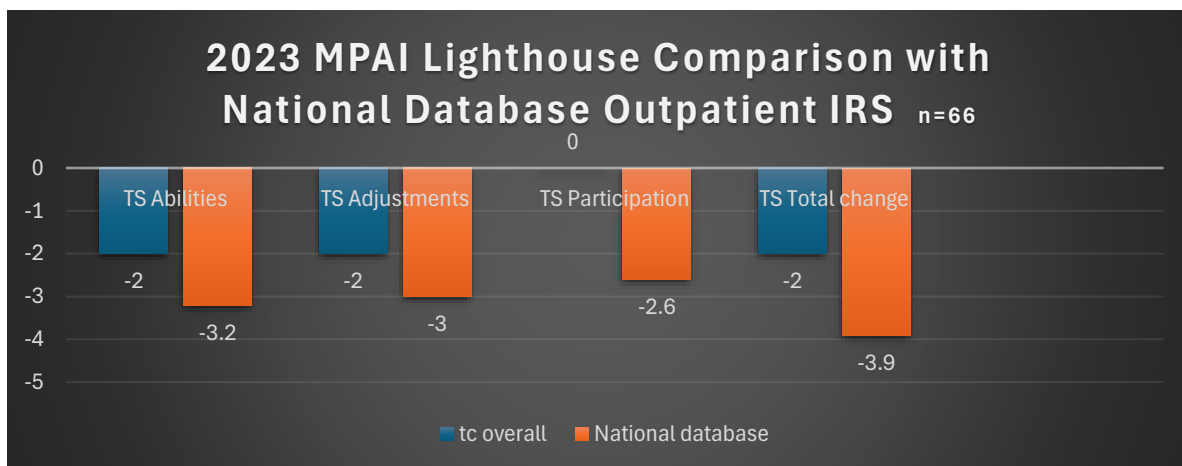
The Caro location had one resident who was qualified for this classification. This resident showed a very large improvement in all areas rated compared to the National Database. Lighthouse had a rating of -17.5 points improvement in overall TS total change compared to the National Database. The National database had 73 individuals who participated in the classification.

Group 3: Outpatient Long-term Living Support



The Lighthouse Traverse City location met the goal and made a large improvement in all the rating categories. This location had 5 Outpatient that were classified and rated, and all showed improvement compared to the National Database of 56 individuals. The TS total change demonstrated by the Lighthouse improvement is -10.7 points over the National Database individuals.

Group 4: Intensive Rehabilitation Services (IRS) Outpatient



The Traverse City location had one Outpatient in this classification. The National database has 66 individuals who were rated in this category. The Lighthouse total change in the rating

score demonstrated improvement but the National database improvement was shown at a higher level of functioning