

# Bayshore Healthcare

## Neurologic Rehabilitation Institute of Ontario

A division of Integrated Care Solutions

### Outcome Validation Study for 2021

#### Executive Summary

The 2021 Outcome Validation Study report for Bayshore Integrated Care Solutions (ICS) NRIO, provides an evaluation and assessment of the organization's programming and outcomes over the past year. The report focuses on the functional domains that represent the most important aspects of the long-term effects of living with a brain injury.

The results were compared internally using the data over the past 25 years as well as external benchmarking based on multiyear, similar cohort and outcome measurements. Using data collected from community residential inpatient programming, clinic, and school resource services, the report compares the status of patients pre and post injury and prior to admission and at the time of discharge. The 2021 survey results included 17 residential discharges and 9 clinic/outreach/SRS discharges with an average length of stay (LOS) of 220 days. The average age of injury across all programs was 37.1 and an average Glasgow Coma Scale (GCS) of 5.6 ranging from 3-15. Our results demonstrated that there is an increase in the incident rate for interfering factors including mental health and substance use post brain injury. This is consistent with data from previous years as well as with other studies. The data indicates that clients were able to participate in pre-injury community activities with less cognitive or behavioral supports as well as return to their social role without changes or restrictions after participating in ICS NRIOs rehabilitation program.

ICS NRIO also follows up with clients one to nine years post discharge to determine the durability of these outcomes. Our durability data demonstrated less community supports and ability to manage their care more independently causing less dependency on the system, long term. Additionally, when looking at the data year over year, the characteristics and outcomes of the persons served are relatively stable and the durability of the outcomes attained indicate that NRIO services provides a rehabilitation experience with a high likelihood of success for the individual.

This information is used to assess the functional gains made by individuals and their cohort group during rehabilitation, and to make changes to future programs and services to improve outcomes for brain injury patients.

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