

Functional Rehabilitation Evaluation of Sensori-Neurologic Outcomes (FRESNO)

FRESNO is the acronym for Functional Rehabilitation Evaluation of Sensori-Neurologic Outcomes. The FRESNO was developed by an interdisciplinary research team at Children’s Hospital Central California, for use as a tool for children/adolescents with disabilities.

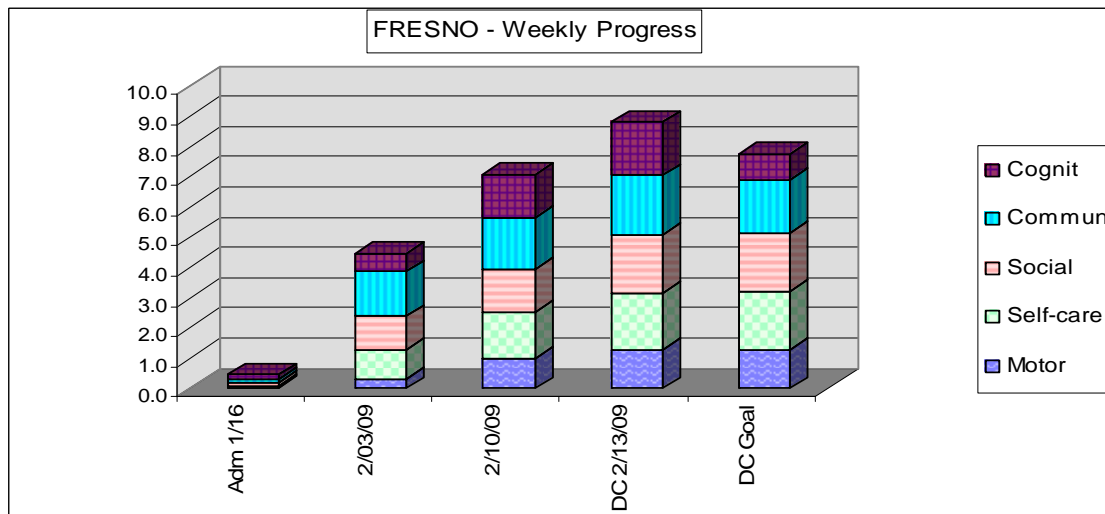
The FRESNO assesses the five major content domains:

<u>DOMAINS</u>	<u>SUB-DOMAINS</u>
Cognition	Attention/Memory, Executive Function
Communication	Comprehension, Expression
Socialization	Interaction, Transitional Skills
Self-care	Eating and Drinking, Personal Grooming, Personal Hygiene, Dressing
Motor	Mobility and Transfers, Locomotion, Use of Arms and Hands

The five domains are divided into the 13 sub-domains listed above which include 196 items ranked in order of difficulty according to a developmental hierarchy. Each child is assessed at admission using the FRESNO; scored for their functional status at that point in time and scored for a projected functional outcome for a predetermined discharge date.

The FRESNO tracks improvements in functional performance from admission to discharge on a weekly basis and provides a focus towards home, school, and community reintegration. The FRESNO is scored by several disciplines including: physical therapy, occupational therapy, speech, rehabilitation nursing, and neuropsychology.

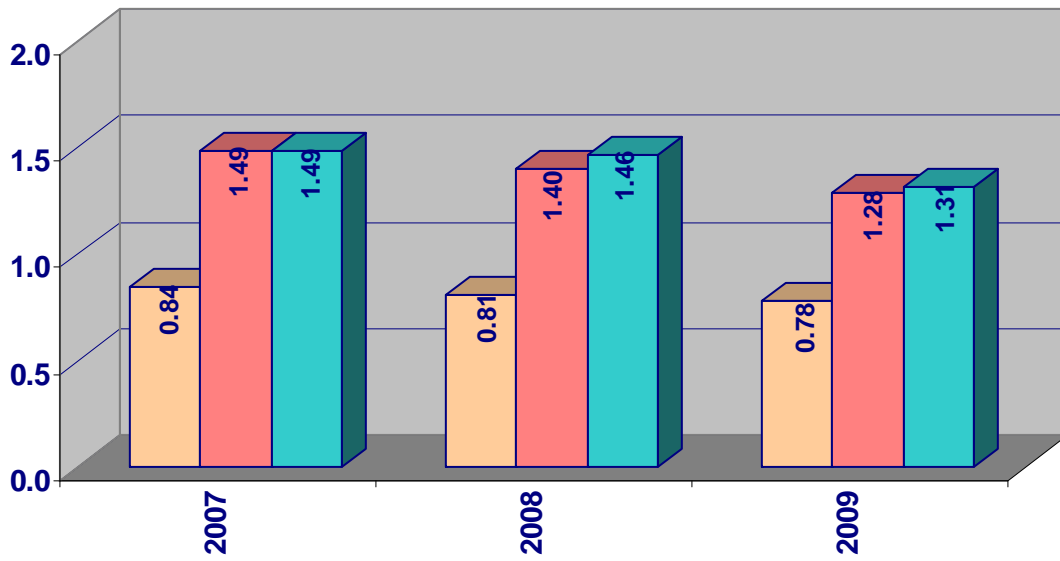
The FRESNO graph below indicates the weekly progress of a brain injured patient, from the time of admission to discharge. This patient made significant improvement by exceeding discharge goals with the family members / caregivers receiving education and support in helping the patient to reach these goals.



FRESNO OUTCOMES

The FRESNO is also used to determine the efficiency and effectiveness of the rehabilitation program. Total Index Scores at Admit, Discharge, and Projected Discharge (DC) Goals were compared for each patient to provide an overview of each patient's functional outcome. The chart below compares average index scores for fiscal years 2007 to 2009, indicating our ability to set and reach discharge goals even with the complexity of anticipating patient progress and potential medical complications that impact final outcomes.

Average FRESNO Index Scores - FYE 2007-2009



■ Admit Index Score ■ Discharge Index Score ■ DC Goal Index Score