## Pediatric Acute Rehabilitation

A specialized, compassionate rehab program for children recovering from serious injuries, surgeries, or medical conditions.

## Our Mission

To restore independence, improve functional outcomes, and support each child's development through physician-driven family-centered care.

## We Serve Individuals Recovering From:

- Traumatic Brain Injury (TBI)
- Spinal Cord Injury (SCI)
- Stroke & Neurological Injuries
- Polytrauma & Orthopedic Injuries
- Complex Medical Conditions
- Tumor & Post-Oncology Illnesses

## Therapy Services

We provide intensive pediatric therapies 6 days per week, tailored to each child's developmental stage and medical needs.

- Physical Therapy (PT)
- Occupational Therapy (OT)
- Speech-Language Pathology (SLP)
- Feeding & Swallowing Therapy
- Cognitive Rehabilitation
- Respiratory Therapy (RT)

## Therapy for Children on Ventilators

Our pediatric therapists and respiratory team collaborate to support mobility, activities of daily living, and communication abilities while maintaining respiratory stability.

## Why Choose Us?

- Pediatric PM&R specialist
- Daily rounding by pediatric intensivists
  24/7 nursing & respiratory support
- High success rates & excellent outcomes
- Child-friendly environment
- Family training throughout stay

## Admission Criteria

- Ages: Newborns to 20
- Medically stable
- Capable of participating in therapy

HEALTH BRIDGE Children's Hospital

Main: 714.289.2400
Admissions: 888.306.5121
Fax: 714.289.2367

393 S. Tustin Street
Orange, California 92866

healthbridgekids.com

DNV·GL ACCREDITED Hospital

HealthBridge Children's Hospital is accredited by DNV-GL's NIAHO® and is ISO 9001:2008 certified.

healthbridgekids.com

# Inpatient Acute Rehabilitation

HEALTH BRIDGE Children's Hospital

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# Why HealthBridge?

### Functional Independence & Efficiency

- Inpatient acute rehab yields higher functional efficiency, especially cognitive gains, than outpatient or home modalities.
  *Johns Hopkins University*

### Severity Makes a Difference

- Children with severe impairments (e.g., GCS <13, total dependence) derive the greatest benefit, with improved GOS outcomes and partial independence achievable.
  *PMC*

### Specialized Pediatric Settings Matter

- Rehab in children's hospitals leads to shorter stays and superior gains compared to other rehab settings.
  *PMC*

### Broad Diagnosis Applicability

- Gains aren't confined to TBI—children with Cerebral Palsy stroke, and encephalitis also benefit significantly from inpatient programs.
  *Johns Hopkins University, Thieme, et. al.*

Several pivotal studies demonstrate the **clinical outcomes** of pediatric neurological patients receiving **inpatient acute rehabilitation** compared to those discharged home without such intensive rehab:

## PIVOTAL STUDIES

### Severe Pediatric TBI

**Multinational Cohort (254 pts)**
**PMC**

**Design:** 180 children received inpatient rehabilitation; 74 received outpatient or home-based care.

**Outcome:** Among children with Glasgow Coma Scale (GCS) <13 at discharge, inpatient rehab was associated with significantly better global function. No significant quality-of-life differences were detected between groups.

### Pilot Study

**Children with Total Functional Dependence (39 pts)**
**John Hopkins Unversity**

**Design:** Retrospective review of children entering rehab with the lowest FIM scores (total dependence).

**Outcome:** 59% achieved partial independence by discharge; gains correlated with faster command following and earlier rehab entry.

### Facility Comparison

**Children's Hospitals vs. Other Centers (28,793 pts)**
**PMC**

**Design:** Large Uniform Data System for Medical Rehabilitation database comparing inpatient rehab at pediatric hospitals vs. other facilities.

**Outcome:**

- Shorter length of stay: 16 days vs. 22 days.
- Cognitive abilities for daily function increased by ~10% in pediatric centers.
- No direct comparison to home discharge, but underscores better outcomes with specialized, intensive inpatient care.

### Neuropediatric Inpatient Rehab

**German Cohort (738 pts)**
**Johns Hopkins University, Thieme, et. al**

**Design:** Retrospective analysis of children with Cerebral Palsy BI, stroke in a neuropediatric unit.

**Outcome:** Significant improvements in motor, self-care, and social function across all diagnoses; longer stays correlated with greater gains.