

# 1034 Child Health After Injury (CHAI) Study

## Abstract

This dataset includes data from adolescents (age 14 - 17 years) recruited as part of a larger prospective cohort study of children younger than 18 years treated for a traumatic brain injury (TBI) or an arm injury. Study measures included assessments of disability in health-related quality of life, adaptive skills, and participation in social and community activities, pain, and posttraumatic stress symptoms, with follow-up assessments 3, 12, and 24 months after injury.

Creator: Fred Rivara

**PACT/R Dataset Number**

1034

**Principal Investigator / Dataset Creator**

Fred Rivara

**Number of assessment points**

3

**Study language**

English

**PI ORCID**

<https://orcid.org/0000-0003-1427-0637>

**PI Institution**

University of Washington

**Inclusion criteria**

The study recruited participants at 10 hospitals. Children under age 18 (in this dataset - children age 14 - 17 years) treated in the Emergency Department or admitted as inpatients for traumatic brain injury (TBI) or arm injury. Study participants were selected by computer-generated random number from the list of all eligible children who were treated during the study period, with stratification by age group, gender, TBI versus arm injury, and whether hospitalized (within the TBI group).

## Temporal Coverage

2007 - 2010

## Spatial Coverage

United States

### Country

US

## Funding Information

R49 CE 001021

US Centers for Disease Control and Prevention (CDC) grant R49 CE 001021

## Data

### Analysis Unit

Individual

### Analysis Units Covered

Child exposed to an index potentially traumatic event

## PACT/R Metadata

## Concepts

### PACT/R Topics

- [Demographics](#)
- [Demographics - index child](#)
- [Demographics - parent\(s\) / caretaker\(s\) of index child](#)
- [Index event / trauma exposure](#)
- [Nature of index event / trauma](#)
- [Characteristics of child's exposure to index event / trauma](#)


- Characteristics of parent's exposure to index trauma
- Trauma history
- Trauma history of index child
- Trauma history of parent(s) / caretaker(s) of index child
- Mental health symptoms - index child
- Traumatic stress symptoms / responses to trauma
- Depression symptoms
- Anxiety symptoms
- Functional impairment - Quality of life
- Functional impairment - index child

 Demographics

 Demographics - index child

Parent Concepts

- [Demographics](#)

 Demographics - parent(s) / caretaker(s) of index child

Parent Concepts

- [Demographics](#)

 Index event / trauma exposure

 Nature of index event / trauma

Parent Concepts

- [Index event / trauma exposure](#)

 Characteristics of child's exposure to index event / trauma

Parent Concepts

- [Index event / trauma exposure](#)

 Characteristics of parent's exposure to index trauma

Parent Concepts

- [Index event / trauma exposure](#)

 Trauma history

 Trauma history of index child

Parent Concepts

- [Trauma history](#)

 Trauma history of parent(s) / caretaker(s) of index child

Parent Concepts

- [Trauma history](#)

 Mental health symptoms - index child

 Traumatic stress symptoms / responses to trauma


Parent Concepts

- [Mental health symptoms - index child](#)

 Depression symptoms

Parent Concepts

- [Mental health symptoms - index child](#)

 Anxiety symptoms

Parent Concepts

- [Mental health symptoms - index child](#)

 Functional impairment - Quality of life

 Functional impairment - index child

Parent Concepts

- [Functional impairment - Quality of life](#)

## Conceptual Variables

 PACT/R Conceptual Variables

This set has no items.

 PACT/R Conceptual Variables

 Demographics

Concept

Demographics

 Demographics - index child


Concept

Demographics - index child


Items

- [child age in years](#)
- [child years of school / grade](#)
- [child gender](#)
- [child race / ethnicity](#)
- [family composition](#)
- [child's primary language](#)

 child age in years


 child years of school / grade

 child gender

 child race / ethnicity

 family composition

 child's primary language

 Demographics - parent(s) / caretaker(s) of index child

Concept


Demographics - parent(s) / caretaker(s) of index child

Items

- [parent / caretaker relationship to index child](#)
- [parent age](#)
- [parent gender](#)
- [parent race / ethnicity](#)
- [parent relationship / marital status](#)
- [parent highest level of education completed](#)

 parent / caretaker relationship to index child

 parent age

 parent gender

 parent race / ethnicity

 parent relationship / marital status

 parent highest level of education completed

 Index event / trauma exposure

Concept

Index event / trauma exposure

 Nature of index event / trauma

Concept

Nature of index event / trauma

Items

- [Broad type of index event / trauma](#)
- [Description of index event / trauma](#)

 Broad type of index event / trauma

 Description of index event / trauma


 Characteristics of child's exposure to index event / trauma

Concept

Characteristics of child's exposure to index event / trauma

Items

- [Type of exposure to index event / trauma](#)


 Type of exposure to index event / trauma

 Characteristics of parent's exposure to index trauma

Concept

Characteristics of parent's exposure to index trauma

This group has no items.

 Trauma history

Concept


Trauma history

 Trauma history of index child

Concept

Trauma history of index child

This group has no items.

 Trauma history of parent(s) / caretaker(s) of index child

Concept

Trauma history of parent(s) / caretaker(s) of index child


This group has no items.

Items


- [any prior trauma \(before index trauma\)?](#)





- number of types of prior trauma
- age at earliest trauma
- prior unintentional injury
- prior MVA/RTA
- prior acute medical event
- prior interpersonal violence
- prior abuse / maltreatment
- prior exposure to disaster
- prior exposure to war / armed conflict
- prior refugee trauma
- other prior trauma
- prior interpersonal trauma (any type)
- prior non-interpersonal trauma (any type)


 any prior trauma (before index trauma)?

 number of types of prior trauma

 age at earliest trauma

 prior unintentional injury


 prior MVA/RTA

 prior acute medical event

 prior interpersonal violence

 prior abuse / maltreatment

 prior exposure to disaster


 prior exposure to war / armed conflict

 prior refugee trauma

 other prior trauma

 prior interpersonal trauma (any type)

 prior non-interpersonal trauma (any type)

 Mental health symptoms - index child

Concept

Mental health symptoms - index child

 Traumatic stress symptoms / responses to trauma


Concept

Traumatic stress symptoms / responses to trauma


 Re-experiencing

Items


- [Intrusive thoughts](#)
- [Distressing dreams](#)
- [Feel event is happening again](#)
- [Psychological distress at reminders](#)
- [Physical distress at reminders](#)

 Intrusive thoughts

 Distressing dreams

 Feel event is happening again

 Psychological distress at reminders


 Physical distress at reminders

 Avoidance

Items

- Avoid thoughts feelings abt event
- Avoid activities places people that are reminders


 Avoid thoughts feelings abt event

 Avoid activities places people that are reminders

 Dissociation (peri- or post-trauma)

Items

- Numbing/ detachment / absence of emotional responsiveness
- Reduction in awareness of surroundings (in a daze)
- Derealization
- Dissociative amnesia

 Numbing/ detachment / absence of emotional responsiveness

 Reduction in awareness of surroundings (in a daze)

 Derealization

 Dissociative amnesia

 Cognitive or mood changes

Items

- Inability to recall important parts of event
- Diminished interest or participation in things usually enjoy
- Detachment estrangement from others
- Restricted range of affect
- Foreshortened future
- Persistent exaggerated negative beliefs or expectations
- Persistent distorted cognitions / blame self or others
- Persistent negative emotional state

 Inability to recall important parts of event

 Diminished interest or participation in things usually enjoy

 Detachment estrangement from others

 Restricted range of affect

 Foreshortened future

 Persistent exaggerated negative beliefs or expectations


 Persistent distorted cognitions / blame self or others

 Persistent negative emotional state

 Hyperarousal


Items

- Irritability / angry outbursts
- Difficulty concentrating
- Hypervigilance
- Exaggerated startle
- Reckless or self-destructive behavior
- Difficulty falling or staying asleep


 Irritability / angry outbursts

 Difficulty concentrating

 Hypervigilance

 Exaggerated startle

 Reckless or self-destructive behavior

 Difficulty falling or staying asleep

 Depression symptoms

Concept

Depression symptoms

This group has no items.

### Anxiety symptoms

Concept

Anxiety symptoms

This group has no items.

### Functional impairment - Quality of life

Concept

Functional impairment - Quality of life

### Functional impairment - index child

Concept

Functional impairment - index child

This group has no items.

## Code Lists

### Study language

Language in which study is conducted, i.e. language used in assessment measures, interviews, etc with participants

- [English](#)
- [Spanish](#)
- [German](#)

### English

 Spanish

 German