



David Y. Ige Governor

Elizabeth Char, M.D. Director of Health

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Write or call within 180 days of a problem to:
Affirmative Action Officer
Department of Health
1250 Punchbowl St. #250
Honolulu, HI 96813
Phone: 808-586-4110

Ilocano: PAKDAAR: Nu saritaem ti Ilocano, ti serbisyo para ti baddang ti lengguahe nga awanan bayadna, ket sidadaan para kenyam. Awagan ti 1-808-733-2155 (TTY: 711)

Tagalog: PAUNAWA: Kung nagsasalita ka ng Tagalog, maaari kang gumamit ng mga serbisyo ng tulong sa wika nang walang bayad. Tumawag sa 1-808-733-2155 (TTY: 711) TRAUMATIC BRAIN INJURY



HELP-HOPE-HEAL

Hawai'i's Neurotrauma Community

Hawaii Department of Health Developmental Disabilities Division Neurotrauma Program



# WHAT IS TRAUMATIC BRAIN INJURY?

**Traumatic Brain Injury (TBI)** is an injury to the head arising from a blunt or penetrating trauma or from acceleration-deceleration forces.

**Leading causes** of TBI are motor vehicle accidents, falls, violence, and sports injuries. The severity of TBI ranges from **mild** to **severe**. TBI survivors are a part of Hawai'i's **Neurotrauma Community**.



# WHAT ARE THE SYMPTOMS OF TBI?

# THINKING/REMEMBERING

- Difficulty thinking clearly
- Difficulty concentrating
- Difficulty remembering new information

## **PHYSICAL**

- Headache
- Blurry vision
- Dizziness
- Light/noise sensitivity
- Balance problems
- Feeling tired

## **EMOTIONAL**

- Irritability
- Sadness
- Nervousness or anxiety

# **SLEEP**

- Sleeping more/less than usual
- Trouble falling asleep



## Frontal Lobe

- Problem solving
- Emotional traits
- Reasoning (judgement)
- Speaking
- Voluntary motor activity

# Temporal Lobe

- Understanding language
- Behavior
- Memory
- Hearing

## **Brain Stem**

- Breathing
- Body temperature
- Digestion
- Alertness/sleep
- Swallowing

# **Parietal Lobe**

- Knowing right from left
- Sensation
- Reading
- Body Orientation

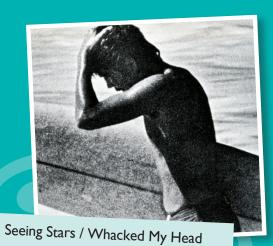
# Occipital Lobe

- Vision
- Color perception

## Cerebellum

- Balance
- Coordination and control of voluntary movement
- Fine muscle control

# **CONCUSSIONS/MILD TBI**



- A concussion occurs when your brain cells get damaged from being bounced around in your head and result in a temporary loss of brain function
- Concussions are not detectable on a CAT scan or MRI and may not leave any physical marks (e.g., bumps, bruises, cuts)
- Having a second concussion before the brain recovers from the first can increase the likelihood of having long term problems

# THE **Helpline** CAN PROVIDE:

- Further information on TBI and what to do if you may have suffered a TBI
- Information on preventing TBI
- Information on recovering from TBI
- Information for survivors' family members, friends and caregivers
- Resource referrals

   (e.g., rehabilitation, housing, employment, legal assistance, etc.)



# **CONTACT US**

# Neurotrauma Helpline: Oahu:

808-733-2155 (V) 877-477-5990 (TTY)

**Toll Free:** 

833-333-5133 (V) 877-477-5990 (TTY)

# Department of Health Developmental Disabilities Division Neurotrauma Program

3627 Kilauea Avenue, Suite 411 Honolulu, HI 96816

# Website:

health.hawaii.gov/nt

## E-mail:

ntrauma@doh.hawaii.gov

## Fax:

808-733-9841