



STATE OF HAWAII  
DEPARTMENT OF HEALTH  
P.O. Box 3378  
Honolulu, HI 96801-3378

In reply, please refer to:  
File:

**NEUROTRAUMA ADVISORY BOARD (NTAB)**  
**MEETING MINUTES**  
**August 25, 2017**

Present: Rita Manriquez, Scott Sagum, Molly Trihey, Stella Wong, Lyna Burién, Valerie Yamada, Angie Enoka

Excused: Milton Takara

Others: Violet Horvath, Director, Pacific Disabilities Center, HNTR; Cora Speck, Queen's Medical Center; Tina Robertson, Queen's Medical Center Tele-stroke; Devan Otagaki, Rehabilitation Hospital of the Pacific

DOH Staff: Curtis Inouye, Neurotrauma Supports; Chelsea Ko, Neurotrauma Supports; Cristina Valenzuela, Neurotrauma Supports

- I. **Call to Order** – Meeting was called to order at 1:40 p.m. by Chair Scott Sagum. Quorum present.
- II. **Approval of Minutes from the June 23, 2017 meeting** – Stella Wong motion to accept the minutes as written. Board Member Molly Trihey second the motion. All Board Members present voted in favor of minutes being accepted as written. No questions or discussions.
- III. **Review of Agenda** – All Board Members present voted in favor of accepting the agenda. No questions or discussions.

#### IV. **New Business**

##### A. Transfer Training/Rehabilitation Hospital of the Pacific:

The transfer training program was created to provide caregivers and families proper techniques of transfers that can be performed on patients requiring transfer assistance. Per Devin Otagaki, a Physical Therapist of the Rehabilitation Hospital, the training will also teach participants how to identify the patient's physical and cognitive strengths and limitations when assisting with mobilizing the patient, propping into the wheelchair, and re-positioning of the patient back into bed after the transfer.

The training schedule has not been confirmed. At this time, a two-day course, at four-hours per day per year for a class of 14-participants has been proposed. Classes are open to anyone who is interested. Ms. Otagaki is scheduled to meet with homecare facilities to share and discuss the new program.

The NTAB made several suggestions regarding the topic:

- Board Member Rita Manriquez suggested to contact the American Red Cross; their CNA program may be interested in the training program
- Violet Horvath, Director of Pacific Disability Center, suggested to add two more classes to the proposed training schedule. This would allow for training on the neighbor islands. Ms. Ogataki said the lack of staff is an issue at this time. However, she will discuss concerns with Rehab. Hospital CEO.
- Board Member Stella Wong proposed a fee be charged to home-care facilities who attend the training. A certificate of completion can be issued to participating agencies at the fulfillment of class.
- Cora Speck of Queen's Hospital recommended an evaluation at the end of training to reflect participation statistics and survey about the course.

The Rehabilitation Hospital will present its final budget for review at the next meeting on October 27, 2017. NTAB will also vote during that time.

##### B. Annual Joint Advisory Board Meeting:

The DOH-Neurotrauma Supports is arranging a joint advisory board meeting to take place at the end of January 2018. The meeting will combine members from the Neurotrauma Brain Injury Advisory Board

(NTAB) and State Traumatic Brain Injury Advisory Board (STBIAB), for a meet-and-greet and to share ideas. Per DOH staff, Chelsea Ko, the meeting will also feature guest speakers, lunch, and training. Neighbor island board members will be flown to O'ahu to attend the meeting.

- C. Traumatic Brain Injury Awareness Month (March 2018):  
DOH Staff Cristina Valenzuela, recommended a project that has brought recognition and awareness to traumatic brain injury (TBI) nationwide. The project, called *Unmasking Brain Injury*, started at Hinds' Feet Farm in North Carolina. It features paper face masks decorated by TBI survivors and are being displayed throughout the community at different cities. The project serves as a way for survivors to advocate for themselves and share their personal, life-changing experience of having TBI with the public.

Per Ms. Valenzuela, the project will provide education and build public awareness on TBI. Masks can be displayed year-long at various locations state-wide to perpetuate the effectiveness and impact of the project. Interested organizations may contact the DOH-Neurotrauma Supports staff for more information. Masks and supplies will be funded by the DOH.

## V. **Old Business**

- A. Spinal Cord Injury Awareness Month (September 2017):  
The DOH and Pacific Disabilities Center (PDC) is joining Access Surf's *Day at the Beach* event on Saturday, September 9, 2017 from 9:00-1:00 pm. The event is free to all individuals' with disabilities; trained volunteers will be on-hand to show participants how to use adaptive equipment while on the beach. DOH and PDC will have a tent set-up with giveaways and information on spinal cord injury. Access Surf is always looking for volunteers. They provide training and lunch for those interested.

Violet Horvath of PDC suggested the board also look into volunteering with the Wounded Warrior organization on a monthly basis.

- B. Pacific Disabilities Center/Hawaii Neurotrauma (HNTR) Update: Director of PDC, Violet Horvath, reported the use of a new, short version of the survey since August 10, 2017. The new version consists of 30-questions and asks only about the first neurotrauma injury. If the respondent specifies of other neurotrauma injuries, an HNTR staff will respond with a follow-up. HNTR is also tracking the amount of time it takes to complete the survey and the type of applicant filling out the survey.

Since the last NTAB meeting, HNTR has attended and presented at the following events: the Hawaii Society of Nurse Trauma Leaders (Quarterly Meeting) on July 26, 2017, the Hawaii Trauma Advisory Council (Quarterly Meeting) on July 27, 2017, and the Kupuna Caucus on August 4, 2017. In addition, Ms. Horvath announced future events/meetings such as 6<sup>th</sup> Annual Pacific Regional Behavioral Health Summit on September 7-8, 2017 and the Hawaii Statewide Fall Prevention Consortium Meeting on November 21, 2017. (Please refer to the HNTR report distributed on August 25, 2017 for a full-listing of events)

July of 2017 marks the first full month the HNTR information/referral and survey processes were done simultaneously. Respondents have the option to take the survey at a later time if information/referral was their initial interest.

The media and marketing activities in July of 2017 included a new Facebook friend/following of 48-people and four YouTube hits for a total of 542 for all TV and radio shows, webinars, and PSA's available at the site. Also, Issue no. 7 of the HNTR newsletter will launch on July 20, 2017 with a focus on spinal cord injuries.

Ms. Horvath attended a meeting on August 14, 2017 that included representatives from the DOH-Neurotrauma Supports, Hawaii Disability Rights Center (HDRC), and HMSA. The meeting discussed HMSA's definition of cognitive rehabilitation therapy, how it was covered, statistics, and other related services.

The meeting concluded with the following findings: HMSA has offered cognitive rehabilitation therapy coverage since 2012, there is very limited public awareness of the service/coverage, and the process to

receive service/coverage can be difficult for patients and families with TBI.

- C. Hawaii Islands Regional Stroke (HIRS) Network Update:  
Kahuku Hospital will soon join HIRS's network of tele-stroke sites. Per Tina Robertson of Queen's Medical Center, Kahuku Hospital will initiate its first live training on September 1, 2017. To date, two neurologists have joined the tele-stroke team. Activity year to date (1/1/17-8/10/17) reported 55 tPA administrations and 142 total calls.

HIRS conducted a F.A.S.T. school stroke education project that involved students from 6 elementary schools, 2 intermediate schools, and 1 high school. The project required a trained coordinator to educate students to recognize stroke signs, students take a paper home to train family members, paper is signed and returned to school, and students receives a F.A.S.T. duck for completing the training. Ms. Robertson reported the results showed the effectiveness of the project; statistics revealed the number of people trained to recognize stroke signs increased due to the number of people in the household. HIRS plans to do more educational projects in the upcoming year.

- D. Brain Injury Association (BIA) of Hawaii Update:  
Per Lyna Burién, since the departure of recent members, BIA is currently recruiting for new officers.
- E. Neighbor Island TBI Activities Update:  
Chairperson Scott Sagum attended an ocean safety conference in Honolulu and conducted a presentation on surfer's myelopathy.
- F. DOH Update:  
Beginning November 2017, the Kalanimoku Building will no longer be available to hold NTAB meetings. Per DOH staff Chelsea Ko, Neurotrauma Supports is currently looking at other possible venues such as the DOH's Kinau Hale. Confirmation of a new location to be announced at a later time.

The Neurotrauma brochure has been approved and will be sent out for printing.

The Neurotrauma staff will be travelling to Kauai on either September 12<sup>th</sup> or 13<sup>th</sup> to attend a Brain Injury Group meeting.

## VI. **Announcements**

### Brain Injury Association of Hawaii

#### *Support Group and Educational Meetings*

1. First Saturdays, 1:00-3:00 p.m., Rehabilitation Hospital of the Pacific, Wo Conference Room #4.
2. 2<sup>nd</sup> and 3<sup>rd</sup> Wednesdays, 6:00-8:00 p.m., Rehabilitation Hospital of the Pacific, Wo Conference Room #4

## VII. **Next Meeting:**

Date: October 27, 2017

Location: Kalanimoku VCC and Neighbor Island Sites

Time: 1:30 p.m. to 4:00 p.m.

Meeting Adjourned at 3:14 p.m.



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**Hawai'i Neurotrauma Registry Project (HNTR) Report  
for the Neurotrauma Advisory Board (NTAB)  
December 14, 2017, 1:30 — 4:00 pm**

**Report Outline**

1. New Address for Pacific Disabilities Center
2. Registry Recruitment and Survey Updates
3. Community Education – Events and Presentations
4. Information and Referrals
5. Media and Marketing
6. Miscellaneous

The three main goals of the Hawaii Neurotrauma Registry Project are:

1. Recruit Hawaii residents on all islands and of all ages with neurotrauma injuries to take a voluntary survey on their injuries and post-injury circumstances
2. Provide education to the general public and professionals on all islands about neurotrauma injuries and the Registry
3. Offer an Information and Referral service to Hawaii residents with neurotrauma injuries and their family members, caregivers, and other supports

Information gathered from the surveys assists the Department of Health in identifying the community supports and services needed by neurotrauma injury survivors, helps to educate service providers, and helps to develop safety and prevention plans and policies.

## New Address

New address as of 12-20-17:

Pacific Disabilities Center  
John A. Burns School of Medicine, University of Hawaii at Manoa  
651 Ilalo Street, MEB, Suite 104  
Honolulu, HI 96813-5525

## Registry Recruitment

Year	Time Period	Number of Unique Persons
1	March 21, 2013 – March 20, 2014	40
2	March 21, 2014 – March 20, 2015	57
3	March 21, 2015 – March 20, 2016	43
4	March 21, 2016 – March 20, 2017	54
5	March 21, 2017 – November 30, 2017	31
Total		225
Total as of last meeting		217

“Anonymous” option for children and those with legal guardians

In order to remove the barrier of parent or guardian concern about their childrens’ names and information being entered into the survey, we now offer the option of leaving out the name of the child or guardian, as long as we have the name and contact information of the parent or legal guardian. The child or guardian’s name is entered as Anonymous. While just implemented, so far this option has had a positive effect.

## Community Education – Events and Presentations

**Completed Events and Presentations (since last NTAB meeting, and not previously reported):**

1. National Coming Out Day – Honolulu, Oahu – October 11, 2017 – 40
  - a. 40 brochures distributed
2. Honolulu Pride – Honolulu, Oahu – October 21, 2017
  - a. 60 brochures distributed
3. HMSA Akamai Living Health Fair – Hilo, Hawaii Island – October 20, 2017
  - a. 200 brochures distributed
  - b. Two requests for Information & Referral Services
4. SPIN Footsteps to Transition Fair – Honolulu, Oahu – October 21, 2017
  - a. Approximately 100 persons visited the table
5. Wahine Forum – Honolulu, Oahu – October 26, 2017
  - a. 20 brochures distributed



6. 44<sup>th</sup> Annual Maui Country Senior Fair – Wailuku, Maui – October 28, 2017
  - a. 480 people visited the booth and picked up packets and incentives
  - b. Eight signed up for Information & Referral services
7. KTA Superstore Waimea Health Fair – Waimea / Kamuela, Hawaii Island – October 28, 2017
  - a. About 75 adults and children visited the table
  - b. Although many people went by our table, they were very difficult to engage
  - c. One woman suggested a talk-story presentation at Tutu’s House in Waimea. She is also interested in starting (although not running) a support group there. We asked Karen Klemme to speak with her about starting a support group
8. Hawaii Health Wellness Leaders Conference – Oahu – November 16, 2017
  - a. 20 brochures distributed
9. Hawaii Statewide Fall Prevention Consortium Meeting – Oahu – November 21, 2017
  - a. Nine portfolios distributed at meeting (including one to Neurotrauma Supports)
  - b. Two sent by mail to phone participants (one on Maui, one on Oahu)

**Future:**

1. Presentation to 1984<sup>th</sup> Unit of the Army – Oahu – January 7, 2018

Item	Total through September 2017	October 2017	November 2017	Grand Total
<b>Public Education</b>				
Events attended by HNTR staff and volunteers	100	8	1	<b>109</b>
Number of individuals who visited HNTR tables at public events	15593*	1221	0	<b>16814</b>
Number of brochures / informational packets distributed	15276*	1225	20	<b>16521</b>
Number of volunteers assisting with public events (duplicated count)	115	2	0	<b>117</b>
<b>Presentations and Networking</b>				
Presentations about HNTR to professionals / community	66	0	1	<b>67</b>
Number of professionals / community members / who attended HNTR presentations or information distributed	1499	0	11	<b>1510</b>
Number of portfolios distributed (effective July 2017)	168	0	12	<b>180</b>
Networking contacts made with partners / collaborators	270	2	0	<b>272</b>
Events / presentations in conjunction with partners / collaborators	47	3	0	<b>50</b>

\*HNTR materials were emailed to all attendees of the 6<sup>th</sup> Annual Pacific Regional Behavioral Health Summit. The number of attendees is unknown and therefore not included in these numbers.

## Information and Referrals

### 1. Table of Information and Referrals (current contract year)

Month	Total Number of I&R Contacts	Number of I&R Contacts Completed	Pieces of Information Given	How many answered the short survey questions?	People who got I&R this month who completed the long survey	How many were contacted but declined I&R?	Number of Unreachable I&R Contacts
November 2017	15	15	183	3	0	0	0
October 2017	18	14	171	3	0	0	0
September 2017	15	9	72	8	0	3	2
August 2017	26	5	66	7 (rev)	0	0	10
July 2017	16	3	33	2	2	4	9
June 2017	32	14	102	1	3	2	16
May 2017	10	6	56	N/A	2	0	4
April 2017	23	8	24	N/A	0	3	12
March 2017	12	9	76	N/A	1	0	3

#### Data from Information and Referrals

The UH Human Studies Committee has determined that data from Information and Referrals is not considered human subjects research and therefore does not need to be reviewed and does not require consent. This is as long as these data are presented in a de-identified, aggregated format because the rules around confidentiality of information still apply.

We will soon begin the process of adding data from Information and Referrals into the HNTR database. These data will consist mainly of basic demographic information such as type and year of injury/ies, gender, and what information and resources the person was given.

**This is for those who choose not to take the survey.** If they choose to take the survey, then we already have their information in the HNTR database.

This information will help us better determine the needs of individuals with neurotrauma injuries.

## Media and Marketing

As of November 30, 2017, 59 people are Facebook Friends and Twitter Followers.

YouTube viewing stats:

- The Gary Galiher Law Hour (Radio) – 109 views
- Battlefield to Ball Field (TV) – 104 views
- HNTR Interview with Rick Hamada (Radio) – 98 views
- HNTR on Traumatic Brain Injury (TV) – 82 views
- Joy in our Town (TV) – 59 views
- What is stroke? (Webinar) – 46 views
- HNTR on Stroke (TV) – 39 views
- HNTR Interview on KSSK with Perry & Price (Radio) – 24 views
- Conquering Concussions (PSA) – 21 views
- HNTR Interview with Percy Ihara / Generations (Radio) – station lost the program

Total views = 582, up from 568 at the end of September 2017. There were no views in October or November 2017.

Item	Total through September 2017	October 2017	November 2017	Grand Total
<b>Media</b>				
Print articles	10	0	0	<b>10</b>
Print ads	20	0	0	<b>20</b>
Number of HNTR newsletters (quarterly, effective October 29, 2014)/e-Cards	10	0	0	<b>10</b>
HNTR newsletter distribution (number of subscribers)	459	8	2	<b>469</b>
Radio PSAs/Interviews	1446	0	0	<b>1446</b>
TV PSAs (including webinars, in post-production status)	3	0	0	<b>3</b>
TV programs, appearances, or ads (duplicated count/broadcast)	74	0	0	<b>74</b>
Social media following	58	1	0	<b>59</b>
Facebook Posts (effective July 16, 2014)	84	4	1	<b>89</b>
Facebook Friends/Following (effective July 16, 2014)	54	1	0	<b>55</b>
Twitter Posts (effective October 31, 2014)	45	3	0	<b>48</b>
Twitter Following (effective October 31, 2014)	4	0	0	<b>4</b>
YouTube Hits (effective February 23, 2015)	568	12	2	<b>582</b>

## Miscellaneous

1. HNTR Contract and Staffing
  - a. A three-month no cost extension is now fully executed. This extends the end date of the current contract to March 19, 2017.
  - b. We have selected a candidate for the full-time Project Assistant position. A job offer was made and we are waiting to hear back if the candidate wishes to accept the position or not.
2. Survey
  - a. The shortened survey continues to average around 12 minutes to complete.
3. Brochures
  - a. Military-focus brochure – updates complete
  - b. Regular brochure – currently being updated (regular, generic brochure for anyone)
  - c. Parent / Legal Guardian brochure – will be updated after the regular brochure is finished
4. Request for Referral Assistance
  - a. Does your agency / organization (or one you know of) work with Hawaii residents who have had a neurotrauma injury? We'd like to talk with them about potentially setting up referral assistance for HNTR

# Hawai'i Neurotrauma Registry Project Update

## Dashboard Report through November 30, 2017

Item	Total through September 2017	October 2017	November 2017	Grand Total
<b>Registry Participation</b>				
Number of unique participants in HNTR Registry	217	4 (rev)	4	<b>225</b>
<b>Public Education</b>				
Events attended by HNTR staff and volunteers	100	8	1	<b>109</b>
Number of individuals who visited HNTR tables at public events	15593*	1221	0	<b>16814</b>
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Twitter Following (effective October 31, 2014)	4	0	0	<b>4</b>
YouTube Hits (effective February 23, 2015)	568	12	2	<b>582</b>
<b>Information and Referral</b>				
Number of information / referral contacts with individuals	428	14	15	<b>457</b>
Number of information / referrals provided to individuals	1315	171	183	<b>1669</b>
Number of I&R contacts who filled out survey (effective 3/2017)	21	3	3	<b>27</b>

\*HNTR materials were emailed to all attendees of the 6<sup>th</sup> Annual Pacific Regional Behavioral Health Summit. The number of attendees is unknown and therefore not included in these numbers.

**Hawaii Neurotrauma Registry Project: Quick Statistics (N=225)**

Through **November 30, 2017**

<i><b>Variable</b></i>	<i><b>Attributes</b></i>	<i><b>n</b></i>
Contract Year	Year 1 (March 21, 2013-March 20, 2014)	40
	Year 2 (March 21, 2014-March 20, 2015)	57
	Year 3 (March 21, 2015-to March 20, 2016)	43
	Year 4 (March 21, 2016 – March 20, 2017)	54
	Year 5 (March 21, 2017 – November 30, 2017)	31
Gender	Female	119
	Male	103
	Missing	2
Who filled out the survey?	Self	22
	Child of person with NT injury	2
	Spouse/Partner of person with NT injury	2
	Parent/Legal Guardian of person with NT injury	1
	Girlfriend/Boyfriend	1
	HNTR staff	9
Island	Oahu	199
	Hawaii	18
	Kauai	3
	Maui	4
	Molokai	0
	Lanai	0
	Missing	1
Nature of First Injury Reported	TBI	86
	Acquired Brain Injury	17
	Concussion	4
	Head Injury	1
	Stroke	4
	Stroke – Hemorrhagic	27
	Stroke – Ischemic	49
	Spinal Cord Injury	19
	Missing	5
	Other	4
Nature of Second Injury Reported	TBI	17
	Acquired Brain Injury	6
	Concussion	1
	Head Injury	0

	Stroke	4
	Stroke – Hemorrhagic	8
	Stroke – Ischemic	15
	Spinal Cord Injury	10
	Missing	0
	Other	4
Nature of Third Injury Reported	TBI	10
	Acquired Brain Injury	0
	Concussion	0
	Head Injury	0
	Stroke	0
	Stroke – Hemorrhagic	1
	Stroke – Ischemic	5
	Spinal Cord Injury	2
	Missing	0
	Other	3
	How heard (tracked since September 2014)	<b>Public Events</b>
Table at public event (event not specified)		25
Taking Care of Your Diabetes event		1
Senior Fair		1
SPIN		1
<b>Total</b>		<b>28</b>
<b>Presentations</b>		
Presentation (location not specified)		24
Rehabilitation Hospital Stroke Club		28
BIA-HI/BIRC		3
Pacific Head Injury Support Group (Kailua-Kona)		3
<b>Total</b>		<b>58</b>
<b>Media and Marketing</b>		
Newspaper/newsletter		13
Radio		5
Midweek		3
Generations magazine		3
Google/Internet		6
TheBus Placard Campaign		2
Rehabilitation Hospital Stroke Club Newsletter		1
Island Scene magazine		1
Hawaii Wellness Directory	1	
Television	1	

	Hawaii Adult Day Care Center Brochure Display (Hilo)	1
	Hawaii's Going Home Plus Project	2
	<b>Total</b>	<b>39</b>
	<b>Heard from Others</b>	
	Family or friends	9
	Physician/Hospital/Clinic	9
	Referral by Other	0
	Maui Department of Aging	1
	Galiher DeRobertis Waxman	1
	Veteran's Administration	1
	Work	1
	HNTR Information & Referral	1
	<b>Total</b>	<b>23</b>



## Hawaiian Islands Regional Stroke Network Update

(Funded by a grant from the Hawaii State Dept. of Health Neurotrauma Fund)

Hub site: The Queen's Medical Center

### Current spoke sites:

Current active sites are Molokai General Hospital (activated on 11/8/2011), Wahiawa General Hospital (activated on 6/21/12), Hilo Medical Center (activated on 8/1/13), The Queen's Medical Center—West O'ahu (activated on 1/12/15), Kona Community Hospital (activated on 5/27/15), Maui Memorial Medical Center (8/11/15), North Hawaii Community Hospital (activated 12/15/15), The Queen's Medical Center Punchbowl and Kahuku Medical Center (activated on 09/01/17). The nine spoke site hospitals – ED MDs and nurses, hospitalists, and administration - have been educated on stroke care paths and protocols and in-serviced on use of the technology.

Total Calls	724		
Incomplete Calls	121	Triage calls, not telestroke	74
		Technical difficulties	47
Completed Calls	603	Molokai General Hospital (MGH)	28
		Wahiawa General Hospital (WGH)	65
		Hilo Medical Center (HMC)	85
		The Queen's Medical Center West (QMC-W)	277
		Kona Community Hospital (KCH)	60
		Maui Memorial Medical Center (MMMC)	27
		North Hawaii Community Hospital (NHCH)	33
		The Queen's Medical Center Punchbowl	28
		Kahuku Medical Center	0
# IV tPA Administrations	236	# Transferred to QMC Punchbowl	159
		# Not transferred-remained at site or transferred to another institution	77
Total Transfers to QMC Punchbowl	217	Non tPA Transfers	58

Activity year to date 01/01/17 to 11/30/2017

Total Calls	240		
Incomplete Calls	32	Triage calls	20
		Technical difficulties	12
Completed Calls	208	Molokai General Hospital (MGH)	6
		Wahiawa General Hospital (WGH)	11
		Hilo Medical Center (HMC)	25
		The Queen's Medical Center West Oahu (QMC-W)	107
		Kona Community Hospital (KCH)	19
		Maui Memorial Medical Center (MMMC)	1
		North Hawaii Community Hospital (NHCH)	12
		The Queen's Medical Center Punchbowl	27
# IV tPA Administrations	92	# Transferred to QMC Punchbowl	60
		# Not transferred-remained at site or transferred to another institution	32
Total Transfers to QMC Punchbowl	79	Non tPA Transfers	19

IV tPA Administration Summary

tPA #	Spoke Site	Encounter Duration (min)	Transfer to QMC Punchbowl?	Initial NIHSS	Last NIHSS	DC Disposition
1	MGH	60	YES	6	1	Home
2	WGH	45	YES	9	2	Home
3	WGH	UTD	YES	16	16	Hospice
4	WGH	60	YES	5	0	Home
5	WGH	45	YES	14	0	Hone
6	WGH	35	YES	13	13	SNF w/ POLST
7	WGH	40	YES	6	2	Home
8	WGH	60	YES	5	0	Home
9	WGH	50	YES	8	ND	RHOP
10	WGH	30	YES	3	3	Home
11	WGH	40	YES	11	13	RHOP
12	HMC	40	NO	13	UTD	UTD
13	MGH	35	YES	11	6	RHOP
14	WGH	35	YES	15	3	RHOP
15	MGH	15	YES	7	0	HOME
16	HMC	45	NO	6	4	Transfer Kaiser Acute
17	HMC	45	NO	7	UTD	SNF
18	WGH	40	NO	16	3	UTD
19	HMC	50	NO	17	UTD	Home

20	HMC	35	NO	21	21	UTD
21	MGH	40	YES	10	4	RHOP
22	HMC	30	NO	5	1	VA home
23	MGH	UTD	YES	9	10	RHOP
24	HMC	35	NO	ND	7	Home
25	WGH	30	YES	7	0	Home
26	MGH	UTD	YES	6	6	Home
27	QMC-W	35	YES	32	24	Foster Home
28	QMC-W	120	YES	4	1	Home
29	QMC-W	40	NO	16	UNK	Transfer Kaiser Acute
30	MGH	80	YES	20	29	Expired
31	HMC	30	NO	14	8	Home
32	QMC-W	90	YES	17	5	Home
33	WGH	90	YES	10	26	Expired
34	QMC-W	50	YES	6	9	RHOP
35	QMC-W	45	YES	6	0	Home
36	HMC	35	NO	ND	ND	Expired
37	QMC-W	90	YES	24	24	Expired
38	WGH	45	YES	31	27	Hospice
39	QMC-W	40	YES	9	0	Home
40	HMC	50	NO	6	ND	Home
41	MGH	45	YES	5	1	Home
42	QMC-W	40	YES	16	6	RHOP
43	QMC-W	50	YES	10	7	Home
44	QMC-W	60	NO	11	11	DC to Kaiser Acute
45	WGH	45	YES	11	2	Home
46	QMC-W	50	YES	14	20	SNF-Short Term Rehab
47	HMC	50	NO	11	5	SNF
48	QMC-W	40	YES	13	4	Home
49	WGH	90	YES	26	1	Home
50	QMC-W	90	YES	16	5	SNF-SHORT TERM REHAB
51	QMC-W	50	YES	15	11	STR then Hospice
52	KCH	35	NO	2	0	Home
53	QMC-W	30	YES	5	0	Home
54	WGH	60	YES	7	ND	Home
55	WGH	30	YES	19	0	SNF-Short Term Rehab
56	QMC-W	55	YES	12	0	Home
57	HMC	30	NO	37	8	SNF
58	MMMC	30	NO	17	15	Home
59	QMC-W	60	YES	22	9	DC to RHOP
60	QMC-W	NA	YES	5	1	Home
61	WGH	50	YES	23	ND	Expired
62	QMC-W	40	YES	16	15	DC to RHOP
63	QMC-W	40	YES	18	20	Expired
64	HMC	20	NO	18	1	Home
65	QMC-W	30	YES	14	ND	Home Hospice

66	MMMC	50	NO	9	NA	Home
67	MMMC	30	NO	ND	15	Home
68	QMC-W	40	YES	2	0	SNF-Short Term Rehab
69	QMC-W	NA	YES	11	2	Home
70	QMC-W	40	YES	2	2	Home
71	QMC-W	30	YES	2	4	RHOP
72	MGH	ND	YES	22	15	RHOP
73	QMC-W	80	YES	17	5	RHOP
74	QMC-W	80	YES	16	2	Home
75	QMC-W	50	YES	7	2	Home
76	QMC-W	50	YES	18	3	RHOP
77	KCH	70	NO	10	6	Home
78	MMMC	50	NO	7	4	Mainland Rehab
79	QMC-W	30	YES	4	1	Home
80	MMMC	30	NO	14	3	Home
81	NHCH	50	NO	13	2	Transfer Kaiser Acute
82	QMC-W	50	YES	7	0	Home
83	KCH	60	YES	23	3	Home
84	NHCH	60	NO	9	2	SNF-Short Term Rehab
85	QMC-W	50	YES	9	4	RHOP
86	MGH	60	YES	26	17	Expired
87	HMC	60	NO	16	1	Home
88	KCH	35	NO	13	5	SNF
89	QMC-W	30	YES	7	9	SNF
90	MMMC	60	NO	24	UNK	Expired
91	QMC-W	50	YES	23	26	Hospice
92	QMC-W	35	YES	9	8	Home
93	QMC-W	45	YES	4	2	Home
94	KCH	50	NO	16	19	Home Hospice
95	QMC-W	50	YES	3	0	Home
96	QMC-W	50	YES	13	4	Home
97	KCH	40	NO	5	0	Home
98	NHCH	60	YES	12	0	Home
99	QMC-W	50	YES	4	1	Home
100	KCH	70	YES	24	30	Expired
101	QMC-W	50	YES	10	0	Home
102	WGH	50	YES	5	2	RHOP
103	WGH	50	YES	21	0	Home
104	WGH	50	YES	6	3	SNF-Short Term Rehab
105	HMC	50	NO	5	0	Home
106	NHCH	50	YES	4	2	RHOP
107	QMC-W	45	YES	9	1	Home
108	QMC-W	40	YES	10	1	Home
109	QMC-W	40	YES	7	1	RHOP
110	NHCH	50	YES	23	22	Home Hospice
111	QMC-W	50	YES	6	0	Home

112	QMC-W	50	YES	8	3	Home
113	KCH	50	NO	16	ND	Transfer Kaiser Acute
114	HMC	50	NO	18	ND	SNF-Short Term Rehab
115	NHCH	50	YES	15	3	HOME
116	QMC-W	40	YES	17	0	HOME
117	QMC-W	60	YES	19	14	Transfer Kaiser Acute
118	HMC	45	NO	23	18	SNF-Short Term Rehab
119	QMC-W	50	YES	9	7	RHOP
120	HMC	35	NO	1	0	Home
121	QMC-W	60	YES	8	15	Home (No insurance)
122	HMC	50	YES	11	0	Home
123	QMC-W	45	YES	4	4	Transfer Kaiser Acute
124	HMC	60	NO	5	ND	Home
125	QMC-W	55	YES	6	0	Home
126	QMC-W	50	YES	6	0	Home
127	NHCH	50	NO	5	2	Home
128	QMC-W	45	YES	4	1	HOME
129	HMC	40	NO	14	17	Hospice
130	QMC-W	50	YES	4	0	Home
131	QMC-W	40	YES	35	6	SNF-Short Term Rehab
132	QMC-W	40	YES	12	8	RHOP
133	MGH	40	YES	18	25	Hospice
134	NHCH	50	YES	6	3	Home
135	KCH	60	YES	7	1	Home
136	QMC-W	60	YES	2	0	Home
137	KCH	40	NO	4	0	Home
138	HMC	40	NO	24	ND	Home
139	KCH	45	NO	6	7	SNF
140	WGH	60	YES	17	5	Foster Home
141	HMC	65	YES	3	3	SNF
142	WEST	40	YES	6	0	Transfer Kaiser Acute
143	KCH	40	NO	15	13	Home
144	MMMC	35	NO	2	0	Home
145	KCH	50	YES	5	0	Home
146	HMC	50	NO	8	9	RHOP
147	MGH	50	YES	5	9	RHOP
148	WEST	45	YES	9	6	RHOP
149	KCH	50	YES	5	24	Expired (ICH)
150	MGH	60	YES	5	1	Home
151	QMC-W	50	YES	5	3	Home
152	QMC-W	50	YES	5	0	HOME
153	WGH	40	YES	4	6	RHOP
154	WGH	50	YES	3	4	RHOP
155	QMC-W	50	YES	8	0	Home
156	QMC-PB	50	YES	12	2	SNF-Short Term Rehab
157	QMC-W	70	YES	28	29	Expired

158	QMC-W	45	YES	11	0	Home
159	WGH	50	YES	5	0	Home
160	QMC-W	50	YES	6	0	Home
161	QMC-W	45	YES	11	5	Home
162	HMC	40	NO	9	7	SNF
163	QMC-W	45	YES	3	0	Home
164	QMC-W	60	YES	28	28	Expired
165	QMC-W	40	YES	11	1	Home
166	QMC-W	60	YES	8	4	RHOP
167	QMC-W	50	YES	20	3	Home
168	QMC-PB	60	NA	18	15	SNF-Short Term Rehab
169	QMC-W	ND	YES	29	4	RHOP
170	WGH	40	YES	24	32	Expired
171	QMC-W	40	YES	3	0	Home
172	QMC-W	50	YES	20	32	SNF
173	NHCH	40	YES	26	22	SNF-Short Term Rehab
174	HMC	40	NO	20	ND	SNF
175	QMC-W	50	YES	2	0	Home
176	QMC-PB	40	YES	4	0	Home
177	QMC-W	60	YES	4	0	Home
178	HMC	60	NO	18	7	Long Term Care
179	QMC-W	50	YES	20	6	Left AMA- Home
180	QMC-PB	60	NA	25	17	RHOP
181	WGH	40	YES	6	1	Home
182	QMC-W	60	YES	17	7	SNF-Short Term Rehab
183	QMC-W	60	YES	4	1	Home
184	KCH	60	YES	24	32	Hospice
185	QMC-W	50	YES	21	15	Inpatient Rehab in WA
186	QMC-PB	50	NA	4	1	Home
187	MMMC	40	NO	3	0	Home
188	HMC	40	NO	20	11	SNF
189	HMC	50	NO	6	0	Home
190	KCH	50	NO	4	2	SNF
191	HMC	45	NO	10	2	SNF
192	PB	45	NO	17	4	RHOP
193	HMC	50	NO	4	1	Home
194	QMC-PB	50	NA	20	25	Expired
195	QMC-W	45	YES	7	7	Home (Chronic Pain)
196	QMC-W	ND	YES	12	2	Home
197	QMC-W	50	YES	4	0	Home
198	QMC-W	50	YES	3	0	Home
197	QMC-W	50	YES	4	0	Home
198	QMC-W	50	YES	3	0	Home
199	KCH	50	YES	16	4	RHOP
200	QMC-W	60	YES	3	1	Home
201	QMC-W	ND	YES	30	23	Expired

202	HMC	30	NO	2	0	Home
203	QMC-W	45	YES	13	30	Home Hospice
204	QMC-W	60	YES	4	0	Home
205	HMC	60	NO	7	0	Home
206	WGH	ND	YES	27	20	SNF-Short Term Rehab
207	QMC-W	60	YES	10	1	Home
208	QMC-PB	40	NA	13	3	SNF-Short Term Rehab
209	QMC-W	45	YES	6	3	Home
210	QMC-W	50	YES	4	6	RHOP
211	HMC	50	NO	21	21	SNF
212	QMC-W	50	YES	7	3	RHOP
213	QMC-W	45	YES	26	35	Expired
214	QMC-W	ND	YES	10	4	Home
215	HMC	50	NO	9	0	Home
216	KCH	65	NO	12	0	Home
217	QMC-W	30	YES	10	0	Home
218	QMC-W	40	YES	2	0	Home
219	HMC	40	NO	14	13	SNF
220	QMC-W	70	YES	11	11	RHOP
221	PB	70	NA	8	0	Home
222	QMC-W	60	YES	8	0	Home
223	PB	60	NA	11	0	SNF (Behavioral issues)
224	KCH	40	NO	3	0	SNF
225	NHCH	60	YES	20	5	RHOP
226	KCH	55	NO	4	3	Home
227	PB	40	NA	8	0	Home
228	PB	40	NA	13	0	Home
229	KCH	45	YES	6		
230	KCH	40	NO	7		
231	QMC-W	40	NO	11	6	Kaiser Acute
232	KCH	40	NO	3		
233	QMC-W	60	YES	16	10	Home-Foster Care
234	QMC-W	45	YES	1	1	RHOP
235	QMC-W	50	YES	5	0	Home
236	QMC-W	70	YES	6		

- 58 patients did not receive t-PA but transferred to QMC for further treatment such as endovascular reperfusion, closer monitoring, further evaluation and diagnosis of intracerebral hemorrhage (ICH).
- 290 patients remained at spoke site or were transferred to another institution since they were not tPA candidates and did not require a higher level of care. These patients were diagnosed with mild stroke, completed stroke, complex migraine, seizure, old stroke, ICH, fatal stroke or with transient symptoms.
- 34 patients at HMC, 8 patients at MMMC, 3 patient at NHCH, 14 patients at KCH and 12 patients at QMC Punchbowl received t-PA and remained at site; 4 patient

from QMC West and 1 patient from NHCH transferred to Kaiser; 1 patient from Wahiawa General remained at site due to lack of available bed.

- Telemedicine encounters require about 35- 60 minutes of direct critical care time.

### Community Education

- September 21, 2017 – Jen Moran, MS, provided stroke education at the 6th Annual Molokai Disability Resource Fai for Molokai community members – seniors
- June,6, 2017 – Jen Moran, MS, ACNP educated 30 RHOP stroke survivors on stroke prevention and FAST
- May 31, 2017 – Jen Moran, MS, ACNP provided FAST education for Mary Knoll elementary school's kindergarten class
- May 22, 2017 – Jen Moran, MS, ACNP provided FAST education at Ma'ili elementary school for grades K-6
- May 16, 2017 – Jen Moran, MS, ACNP provided FAST education at Waianae elementary school for grades K-6
- May 8 and 13, 2017– Jen Moran, MS, ACNP educated community listeners on Dr Health radio show (live and rebroadcast).
- May 1,2017–Kazuma Nakagawa, M.D. and Jen Moran, MS, ACNP appeared on KHON's "Living808" to provide stroke education
- April 28, 2017– QMC RNs (including Ilocano speaking) educated 300 Monsanto employees on stroke awareness
- January 9, 2017– Cherylee Chang, M.D. appeared on KHON morning news to inform public about QMC becoming the first Comprehensive Stroke Center in Hawaii and treatment available for stroke.
- December 5, 2016– Jen Moran, MS, ACNP discussed stroke recognition and risk factors in light of recent death of Keo Woolford (Local huala and producer talent) on KHON am Talk show. Public Television.
- October 28, 2016 – Jen Moran and local AACN chapter RNs educate St. Clemente Kindegarten classes Hands on CPR and FAST stroke recognition
- July 19, 2016, – Matthew Koenig, M.D. and Jen Moran, MS, ACNP educated 50 residents at Craigsid Senior living facility on stroke education.
- June 16, 2017 – Jen Moran, MS, ACNP educated AHA Heart Health: Simple 7 and Stroke Awareness
- May, 2016 – Matthew Koenig, M.D. Speaking of Health QMC: How to Prevent and Survive a Stroke QMC Speaking of Health Community education venue [https://youtu/xk6yMwuo\\_b1Mwuo](https://youtu/xk6yMwuo_b1Mwuo)
- May, 2016 – Nakagawa, Kazuma, M.D discussed stroke awareness, prevention and treatment in Ka Wai Ola SNF Newsletter
- June 16, 2016 – Johnna DelCastillo Taught S/S of stroke and distributed stroke magnets to Canoe Paddling Club members (about 18 children).
- June 16, 2016 – Tiffany Hoke DNP, educated the community of Lanai onAHA's Life's Simple Seven
- May 28, 2016 – Rony, Salem, M.D. educated the public about stroke awareness on KDNI radio station



- May 27, 2016 – Matthew Koenig, M.D. promoted stroke awareness at Speaking of Health QMC– AMC Community Awareness Health topics
- May 25, 2016 Jen Moran, MS, ACNP educated about 150 members of the public at Stroke Awareness Booth Kualoa Ranch Health and Benefits Fair.
- May 14, 2016 – Matthew Koenig , M.D., Sung Lee, M.D and Jen Moran, MS, ACNP spoke on KHNR 690 AM's "Dr Health Radio" show to promote stroke awareness
- May 9, 2016 – Matthew Koenig , M.D. and Sung Lee, M.D. spoke about stroke awareness and systems of Care on KITV Body Show
- April 26, 2016 – QMC RNs (including Ilocano speaking) educated 300 Monsanto employees on stroke awareness
- April 21, 2016 – Denise Dittrich, RN educated members of the Windward YMCA. AHA presentation. Life's Simple Seven.
- March 14, 2016 – Jen Moran, MS, ACNP spoke on Healthy Mondays Radio Show on AM Christian Radio station
- March 14, 2016 – Jen Moran, MS, ACNP discussed Stroke in Our Community on Public AM radio station
- March 11, 2016 –QMC RNs educate St. Clemente Kindegarten classes on Hands only CPR and FAST stroke recognition
- March 2, 2016 – Matthew Koenig, M.D. Your Brain Matters, Channel 54 Olelo Access TV
- February 25, 2016 – Juliet Beniga, RN educated community of Molokai for Nā Pu'uwai on AHA's Life's Simple Seven
- January 28, 2016–QMC MDs and RNs spoke with members of Hawaii Young Professional Executives meeting on stroke education
- September 28, 2015 Article in Star-Advertiser entitled, “When Stroke Symptoms are present FAST action is critical”.
- May 17, 2014–QMC West O’ahu Community Health Fair- educated 1000 people on stroke signs and symptoms and telestroke network.
- Public health campaign 'Spot a Stroke' was a joint effort between DOH, QMC, and AHA that placed stroke education signs on every Oahu bus from May-September of this year. This campaign resulted in an estimated 14 million impressions on Oahu bus riders and was paid from our Neurotrauma Fund grant and the placement fee was donated by Ad Walls.
- Dr Koenig filmed a promo with the Pacific Basin Telehealth Resource Center regarding the telestroke project. To view the video: <http://vimeo.com/102377242>
- July 22, 201315 –Craigsid Place, educated 100 seniors on “Stroke: What you should know.”
- June 21, 2013–Waipio Senior Fair, Hawaii Okinawan Center, partnered withWahiawa General Hospital and Genentech to conduct stroke risk assessments with 240 people and educate on stroke signs and symptoms and telestroke network.
- May 29, 2013–QMC, educated 150 medical center staff and guests on the stroke chain of survival (i.e. stroke risk factors, stroke signs and symptoms, acute stroke treatment and the telestroke network).
- May 16, 2013–Hawaii Dental Services, educated 40 worksite staff on “Heart Disease and Stroke: What women should know.”

- April 24, 2013 –QMC, educated 15 volunteers on “Stroke: What you should know.”
- February 15, 2013- Moanalua Middle School Health and Safety Fair, educated over 75 middle schoolers on signs and symptoms of stroke.
- October 27, 2012 - Wahiawa Community Health Fair, educated over 300 in the Wahiawa community about stroke and signs and symptoms and introduced them to Hawaiian Islands Regional Stroke Network Camera System.
- Article in Star-Advertiser on 10/18/12

# Department of Health Neurotrauma Special Fund Application for Funding

Aloha. Thank you for your interest in submitting an application to request funding from the Neurotrauma Special Fund. Please note that the Neurotrauma Special Fund, in accordance with 321H-4, Hawaii Revised Statutes, shall be used for the purpose of funding and contracting for services relating to neurotrauma as follows: 1) Education on Neurotrauma; 2) Assistance to individuals and families to identify and obtain access to services; and 3) Creation of a registry of neurotrauma injuries within the State to identify incidence, prevalence, individual needs, and related information. Proposals submitted for funding shall be reviewed to ensure compliance with 321H-4, Hawaii Revised Statutes.

<b>Organization</b>	
Name: Hawaii Concussion Awareness & Management Program, UH KRS Department	
Address: 1337 Lower Campus Road PE/A231	Tel: 808-956-7606
City, State: Honolulu, Hawaii	Fax: 808-956-7976
Zip: 96822	Website: hawaiiconcussion.com
<b>Executive Director</b>	
Name: Nathan Murata, PhD	E-mail: nmurata@hawaii.edu
Title: Principal Investigator	Tel: 808-956-7606
<b>Contact Person</b>	
Name: Ross Oshiro	E-mail: oshiror@hawaii.edu
Title: Program Coordinator	Tel: 808-347-0975
<b>Project</b>	
Project Title: Concussion Summit 2018	
Total Amount Requested: \$20,000.00	No. of Yrs: Annually
If more than one year of funding is being requested, include amount per year: \$20,000.00	
A separate document may be attached if more space is needed for the following questions.	
Provide background information (e.g., relevant literature and data) on the issue(s) the project aims to address, if applicable: The Hawaii Concussion Awareness & Management Program (HCAMP) has been providing education and awareness about concussions to students, parents, coaches, school personnel, and health care professionals since 2010. HCAMP has been able to provide annual concussion summits to health care providers from 2010. This past summer we were able to conduct a one day summit at Queen's Conference Center with 2 mainland speakers and 3 local speakers. Our actual expense for this conference was \$11,179.11. We had a total of 147 attendees, of those 40 were physicians. In past conferences our physicians' total were less than 6 annually. Providing CME for physicians was probably the largest positive change.	

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For this year we are expanding this concussion education and awareness conference to two days with 2-4 mainland speakers and 4-5 local speakers. We will continue to offer CME for physicians and athletic trainers and targeting Queen's Conference Center as our location.

Describe the purpose of project (include how project aligns with 321H-4, Hawaii Revised Statutes) and how the project will impact the issue(s) described above, if applicable:  
The purpose of the Concussion Summit is to provide Hawaii's athletic trainers, physical therapists, physicians and other health care providers that treat patients with traumatic brain injury the latest evidence based practices to implement in their daily practice. This concussion education and awareness conference will have at least 2 mainland speakers that are nationally renowned speakers/researchers and they will provide the audience with tools they can take home and use right away. One of the speakers will update the audience with the latest information provided by the 2016 Berlin Concussion Consensus statement which he was one of the authors.

Provide background information on local, national, and/or international initiatives that aimed to address the same or similar project goals (include evidence-based practices), if applicable:  
There is growing evidence that complete rest for longer than 2-3 days after a concussion may prolong the recovery of a patient. This latest evidence will be provided to the audience along with data collected here locally.

Describe and justify the choice of the current proposed methods/procedures/activities and project timeline, if applicable:  
A conference such as the Concussion Summit provides health care providers with current evidence based practice as well as providing needed continuing education units which most health care providers need.  
Securing location by Oct. 15, 2017  
Confirming speakers by Dec. 1, 2017  
Brochures released Feb 1, 2018  
Conference on July 13 & 14, 2018

Describe the project deliverables and expected outcome(s) and how outcomes will be measured, if applicable:  
We want to increase the number of total attendees from last year by 25% for a total of 180. Increase the number of physicians from 40 to 60, for a 50% increase. This will be tracked by our registration of attendees.

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<p>Describe the project's sustainability plan beyond the proposed funding period, if applicable:          HCAMP has demonstrated from last year's summit that it can sustain a one day conference.</p>
<p>Describe the organization and how it will achieve the outcomes defined in the proposed scope and timeframe, if applicable:          HCAMP has been housed in the University of Hawaii's Kinesiology &amp; Rehabilitation Science Department since 2010. In 2016 it was charged by ACT 262, 2016 to provide concussion cognitive testing for high school student athletes and to monitor/collect data of concussions in Hawaii's high schools.          HCAMP has done conferences like these before so historically it has demonstrated success.</p>
<b>Budget</b>
<p>Provide line item breakdown for how funds will be used:          \$12,000 for speaker fees          \$6,000 for registration fees          \$2,000 for promotional/registration materials          \$20,000 total</p>
<p>If total project budget exceeds requested funding amount, attach complete budget including all expenses and income/other sources of funding.</p>

Please send the completed Department of Health Neurotrauma Special Fund Application for Funding and all applicable attachments to:

Community Resources Branch  
 Neurotrauma Supports  
 3627 Kilauea Avenue, Room 411  
 Honolulu, HI 96816

Should you have any questions, please feel free to contact Wendie Lino, Supervisor, Community Alternatives Section, at (808) 733-2142 or via email at [wendie.lino@doh.hawaii.gov](mailto:wendie.lino@doh.hawaii.gov). Mahalo

