Traumatic Brain Injury Center of Excellence

Emily Childs, MA, CBIS
Regional Education Coordinator
March 24, 2022
Disclaimer

The views expressed in this presentation are those of the authors and do not necessarily represent the official policy or position of the Defense Health Agency, Department of Defense, or any other U.S. government agency. This work was prepared under Contract HT0014-21-C-0012 with DHA Contracting Office (CO-NCR) HT0014 and, therefore, is defined as U.S. Government work under Title 17 U.S.C. §101. Per Title 17 U.S.C. §105, copyright protection is not available for any work of the U.S. Government. Oral presentation at the NYS State Board, 24 March 2022. For more information, please contact dha.TBICOEinfo@mail.mil.
Briefing Agenda

- About the Traumatic Brain Injury Center of Excellence (TBICoE)
- Worldwide numbers
- Traumatic brain injury (TBI) basics
- Provider Tools
- Resources

U.S. Navy Petty Officer 1st Class Jonathan Fauth, shares his Traumatic Brain Injury story with an audience (U.S. Army Photo by Marcy Sanchez/Released).
About TBICoE

• Congress established TBICoE in 1992 after the first Gulf War in response to the need to treat service members with TBI.

• Our mission today remains to serve active-duty military and veterans with TBI, and their families, through state-of-the-art medical care, innovative clinical research initiatives, educational products and programs.

• TBICoE assists the DoD and Department of Veterans Affairs (VA) in optimizing care of service members and veterans who have sustained a TBI, in deployed and non-deployed settings, through TBICoE’s three branches: Research, Clinical Affairs and Dissemination.
The TBICoE Branches

These three boxes illustrate the many ways TBICoE supports service members, veterans, their families and health care providers within the Defense Health Agency and the Veterans Health Administration.

<table>
<thead>
<tr>
<th>Research</th>
<th>Clinical Affairs</th>
<th>Dissemination</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Clinical investigations</td>
<td>• Care and consultation</td>
<td>• Develop educational tools to inform clinical practice</td>
</tr>
<tr>
<td>• Congressionally-mandated studies</td>
<td>• Identification/sharing best practices</td>
<td>• Regional Education Coordination</td>
</tr>
<tr>
<td>• Epidemiological research</td>
<td>• Clinical guidelines and recommendations (CRs)</td>
<td>• Congressionally-mandated Family Caregiver Resources</td>
</tr>
<tr>
<td>• Statistical analysis</td>
<td>• TBI surveillance</td>
<td></td>
</tr>
<tr>
<td>• Translation of research</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Support from Subject Matter Experts</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
TBICoE Map
DoD Worldwide TBI Numbers

DOD Numbers for Traumatic Brain Injury Worldwide — Totals

2000–2021 Q3

- Penetrating: 5,584
- Severe: 4,570
- Moderate: 48,240
- Mild: 369,675
- Not Classifiable: 20,957

Total - All Severities: 449,026

Source: Defense Medical Surveillance System (DMSS), Theater Medical Data Store (TMDS) provided by the Armed Forces Health Surveillance Division (AFHSDB) Prepared by the Traumatic Brain Injury Center of Excellence (TBI CoE)

*Percent may not add to 100% due to rounding

2000–2021 Q3, as of November 10, 2021

UNCLASSIFIED
Mandatory Events Requiring Evaluation

Department of Defense Instruction (DoDI) 6490.11 notes the events that require mandatory medical evaluation, reporting of exposure, & 24-hour rest period:

- Involvement in a **vehicle** blast event, collision, or rollover
- Presence within 50 meters of a **blast** (inside or outside)
- A direct **blow to the head** or witnessed loss of consciousness
- Exposure to **more than one blast event** (the Service member’s commander shall direct a medical evaluation)
Provider Tools and Resources

TBICoE Clinical Recommendations with topics that include:

- Headache Following Concussion/Mild TBI
- Sleep Disturbances Following Concussion/Mild TBI
- Progressive Return to Activity Following Mild TBI
- Neuroimaging Following Mild TBI
- Dizziness and Visual Disturbances Following concussion/Mild TBI
- Neuroendocrine Dysfunction Screening Post Mild TBI
- Cognitive Rehabilitation for Service Members and Veterans following Mild to Moderate TBI
TBICoE Resources

TBICoE provides free TBI resources for:
- Providers
- Service Members
- Veterans
- Families
- Caregivers

These resources include educational materials, fact sheets, clinical recommendations and much more.

Download at Health.mil/TBICoE.
Educational Resources

TBICoE handouts educate families and caregivers of patients with TBI. They describe the common signs and symptoms and stages of recovery that are available.
Clinical Updates in Brain Injury Science Today

• Launched in May 2017, this series is for health care providers treating service members and veterans with traumatic brain injury. Each episode offers a brief analysis of current research relevant to clinicians.
• You can listen directly from the website below or subscribe wherever you listen to podcasts.

www.health.mil/TBIPodcasts
Caregiver Resources
TBICoE Caregiver Guide

- Understanding TBI
- Caregiver Strategies for Managing the Effects of TBI
- Becoming a Family Caregiver
- Caregiver Resources

Available in an interactive, downloadable PDF at: health.mil/TBICaregivers
Caregiver Resources

- Healthcare team
- Counseling, TBI support and educational groups
- APPS: Breathe2Relax, MissionFit, Tactical Breather, Positive Activity Jackpot, T2 Mood Tracker
- TBICoE videos, podcasts and other resources, www.health.mil/TBICoE
Family Member and Caregiver Resources

The TBI Family Podcast

- Launched in November 2016, this series is for caregivers of service members and veterans with traumatic brain injury (TBI). Each episode offers information, resources and tips for caregivers and shares caregiver stories.

- You can listen to The TBI Family episodes and other TBICoE podcasts at Health.mil/TBIPodcasts
TBICoE Resources cont.

Email Updates

- Monthly Concussion Literature Review
- Quarterly Hot Topics Bulletin
- Monthly Providers' Brief

To learn more about TBICoE Research, please visit www.health.mil/TBIResearch
### Brain Injury Awareness Month

#### TBICoE Education Network Events

**Brain Injury Awareness Month, March 2022**

<table>
<thead>
<tr>
<th>DATE &amp; TIME</th>
<th>TOPICS</th>
<th>VIRTUAL PLATFORM</th>
</tr>
</thead>
<tbody>
<tr>
<td>21 MAR 1500-1600 ET</td>
<td>TBI and Caregiver Programs in the Department of Veterans Affairs (VA) &amp; Resources for Caregivers</td>
<td>Adobe Connect</td>
</tr>
</tbody>
</table>
| 30 MAR 1100-1200 ET | In collaboration with Military Families Learning Network: **Support for Reintegration after TBI: Strategies for Advocates, Care Coordinators & Case Managers**  
- Family Dynamics, Intimacy, Communication, talking with children etc.  
**CEs available for social workers, case managers and nurses**  | Via MFLN website   |

Health.mil/BIAMonth
Questions

Emily Childs, MA, CBIS
TBICoE Regional Education Coordinator
Fort Drum, NY
C:760-224-2569
Emily.a.childs.ctr@mail.mil

Traumatic Brain Injury Center of Excellence
https://health.mil/TBICoE