



Looking Forward. Seeing the Future.

VISION CENTER OF EXCELLENCE

Vision Center of Excellence

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Agenda

- ▶ About the VCE
- ▶ Core Mission Areas
 - ▶ Defense & Veterans Eye Injury & Vision Registry
 - ▶ Education
 - ▶ Clinical Support
 - ▶ Research
 - ▶ Policy



About the VCE

- National Defense Authorization Act for Fiscal Year 2008 (P.L. 110-181, Sec 1623) directed the Secretary of Defense to establish within the Department of Defense a center of excellence in the prevention, diagnosis, mitigation, treatment, and rehabilitation of military eye injuries, including those suffering vision damage associated with Traumatic Brain Injury (TBI) and Post Traumatic Visual Syndrome
- Additionally, Congress directed the implementation of a Vision Registry to collect longitudinal data on eye injuries to guide research, clinical education, promote best practices and inform policy, for the treatment of eye and vision related injuries for Service members and Veterans
- NDAA 2008 further mandates the “Secretary [of Defense] shall ensure that the center collaborates to the maximum extent practicable with the Secretary of Veterans Affairs, institutions of higher education, and other appropriate public and private entities (including international entities) to carry out the responsibilities in subsection (c) [of Section 1623]”





Defense and Veterans Eye Injury Vision Registry (DVEIVR)

DVEIVR is a DoD-led initiative to provide the DoD and VA vision care community with a health registry of ocular clinical and related data to support longitudinal analysis in the prevention, diagnosis, mitigation, treatment and rehabilitation of disorders of the visual system, to guide research, and to inform policy





Education

- Shields Save Sight (S3) campaign
 - In and Out Patient Care Sheets
 - Frontlines
 - Clinical Recommendations
 - VA/DoD knowledge based workshop
 - American Academy of Ophthalmology presentation
 - MHS Speaker Series
-
- FY15 plans



Clinical Support

- Worldwide Ocular Trauma Call - connects providers across the continuum from combat support hospitals to VA Poly-Trauma Centers in a case-presentation format
 - Identified and addressed 33 process improvement opportunities (systems or clinical issues)
 - Poly trauma case management doctrine
 - Moving into peacetime sustainment focus – ready medical force
 - Continuing Medical Education (CME) credits now offered; pursuing Certified Nurse Educator (CNE) & Council on Optometric Practitioner Education (COPE) accreditation



Research

- Guide research; identify research gaps
- Collaborate with civilian institutions and academia
 - Completed studies include:
 - Ocular Blast Injuries in Mass-Casualty Incidents: The Marathon Bombing in Boston, MA, and the Fertilizer Plant Explosion in West, TX (May 2014)
<http://www.ncbi.nlm.nih.gov/pubmed/24841363>
 - Joint Trauma System/Institute of Surgical Research/CoT3/VCE eye shield compliance (Jan & Nov '13) peer review manuscript currently in press



Industry Day: 26 March 2015

- Collaborated with Blinded Veterans Association and VA Blind Rehabilitation Services to showcase assistive technology and foster a dialog between industry and blinded/visually impaired Veterans
- Exhibitors: 14 industry partners who are already developing or interested in emerging technology to support the blind/visually impaired community
- Target Industries: Mobile Technology, Web Browsers, Social Media, Smart Phones, Applications Development, etc.
- Attendees: Audience included 10 blinded and visually impaired Veterans
- Event Activities: Industry presentations followed by round-table discussion and one-on-one breakout sessions with blinded/visually impaired Veterans about their current utilization and associated challenges with technology



Policy

- Rigid Eye (FOX) Shields
 - Collaborated with Joint Trauma System, Committee on Tactical Combat Casualty Care (TCCC) and Defense Health Agency-Medical Logistics - spearheaded effort to include use of protective eye shield on DD Form 1380, TCCC card
 - Led efforts that resulted in a memo from ASD/HA directing services to update doctrine and training and include Fox shields in DoD Individual and Joint First Aid Kits (IFAK/JFAK)



Questions



Back Up Slides



Rigid Eye Shields

- Rigid Eye (Fox) Shields
 - Collaboration
 - Dr. Woodson Memo
 - JFAKS
 - DD Form 1380, TCCC card
 - Eye injury treatment



DVEIVR

- ▶ Full Deployment Decision Aug 14
- ▶ On track and budget to receive Full Operating Capability in FY15
- ▶ Data Abstraction focus
 - ▶ High Risk Blindness and serious eye injuries due to TBI and blunt trauma
- ▶ Data Analysis
 - ▶ In process to determine specific data analysis studies
 - ▶ Collaboration with VA
 - ▶ John Hopkins indicated interest



DVEIVR cont.

▶ Awards

- ▶ Top 8 finalist for American Council for Technology and Industry Advisory Council “Igniting Innovation 2014 Showcase and Awards

- ▶ Finalist in 2 categories ACT-IAC Excellence.gov Awards
 - ▶ Health Information Technology
 - ▶ Collaboration

- ▶ DVEIVR PM recognized as Federal Top 100 in Information Technology



Shield Save Sight (S3) Campaign

- Raise awareness to increase use of APEL
- Encourage proper eye saving procedures following an eye injury
- Audience Reached
- Campaign Expansion



Care Sheets and Frontlines

- ▶ Inpatient and Outpatient Care Sheets
 - ▶ VA Distribution
 - ▶ DoD Distribution Path –TBA

- ▶ Frontlines
 - ▶ Quarterly Review
 - ▶ Sent to VA, USAF, USA, USN Consultants
 - Ophthalmology and Optometry



Clinical Recommendations (CRs)

- ▶ Assessment and Management of Visual Dysfunction Associated with Mild TBI
 - ▶ DCoE collaboration

- ▶ CRs under Review
 - ▶ Visual Field Loss Associated with Traumatic Brain Injury: Assessment, Referral and Rehabilitation
 - ▶ Eye Care and Visual Dysfunction Following Possible Traumatic Brain Injury: Assessment, Management, Rehabilitation and Referral
 - ▶ Oculomotor Dysfunction Associated with Traumatic Brain Injury: Assessment and Rehabilitation
 - ▶ DCoE collaboration



Workshops/Webinars

- ▶ Worldwide Ocular Trauma Call
 - ▶ Process Improvements
 - ▶ Poly trauma case management doctrine
 - ▶ Moving into peacetime sustainment focus
 - ▶ CME credits

- ▶ Hosted VA/DoD knowledge base workshop “Managing Vision Disorders Following Traumatic Brain Injury”

- ▶ American Academy of Ophthalmology FY14
 - ▶ Blast Eye Injuries: Lessons Learned from Boston, West Texas, Iraq, and Afghanistan
 - ▶ VA/DoD Leading the Way: Simulation in Eye Care



Workshops/Webinars Cont.

▶ MHS Speaker Series

- ▶ Blast Eye Injuries: Lessons Learned from Boston, Waco, Iraq, and Afghanistan
- ▶ Managing Acute Eye Trauma for Non-Ocular Providers
- ▶ Dr. Anderson

▶ FY15 Plans

- ▶ Workshops presented in conjunction with Blinded Veterans Association Annual Meeting
 - ▶ VA and DoD providers



Research

- Guide Research
- Collaborate with civilian institutions and academia
 - Moving lessons learned to civilian sector
 - Boston Marathon bombing
 - West, Texas fertilizer plant explosion