The United States Marine Corps

America’s Expeditionary Force in Readiness
**Forward-deployed MEUs serve as advance echelons of MEBs, which in turn serve as advance echelons of MEFs.**
Expeditionary Maneuver Warfare
Operational Maneuver From the Sea

Medicine needs to respond
1) Continue to provide the best trained and equipped Marine units in Afghanistan (TCCC, OEMS, L.A. Trauma Center, EMT, Mojave Viper, CAX)

2) Rebalance our Corps and posture it for the future

• (Joint Medical OPS, Enroute Care, Restoration Centers, Agile MTB w/ ½ STP)
Marine Corps Priorities

3) Better educate and train our Marines to succeed in complex environments
   • (MTB, FRSS/STPs, Next Generation BAS & Corpsman)

4) Keep the faith with our Marines, our Sailors, and our families
   • (TBI/PTSD, Wounded Warriors, Garrison Care, Resilience, Reintegration)
Marine Corps Health Challenges

- Resiliency
- PTSD
- TBI
- Suicide
- Deployment Health Follow-up
- Mental Health Stigma
- Polytrauma
- Amputation
- Tobacco

- Data
- Evidence-based decisions
- Spice
- Environmental Exposures
- Casualty Care
- Expeditionary Medicine
- Medical Stability Operations
Traumatic Brain Injury

Estimated Average Annual Number of TBI in the United States, 2002–2006

- 52,000 Deaths
- 275,000 Hospitalizations
- 1,365,000 Emergency Department Visits
- ??? Receiving Other Medical Care or No Care
Prevention

- IED strategies
- Military Equipment
- Personal Protective Equipment
- Mandatory time-out
- Tactics, Techniques, Procedures

Traumatic Brain Injury
Traumatic Brain Injury

Recognition

- 50 meter blast exposure?
- MACE
- DTM
- Personal Dosimetry
- Biomarkers
- Neuroimaging
- NCAT
Traumatic Brain Injury

Treatment

- Evidence Based
- CPG
- Restoration Centers
- Medications
- Complementary Medicine
- Return to duty
Traumatic Brain Injury

Data

- CIDNE/BECIR
- MRRS
- AHLTA
- VA
- Sharing
- Analysis
Research

- Blast Patch
- Functional MRI
- Biomarkers
- Accelerometer
- Treatment
- Outcomes
Longer Term Consequences

• Chronic Traumatic Encephalopathy
• Disability Evaluation System
• VA care
• Comorbid
Traumatic Brain Injury

Way Forward

• Continue close coordination with DCOE/Navy Medicine
• Emphasize Prevention
• Immediate recognition and care
• Collect and analyze the data
• Research
• Develop evidence-based scientifically supported solutions
• Support the service member through all phases
Questions?