



**DEFENSE HEALTH BOARD MEETING  
NOVEMBER 6-7, 2014**

Hope Hotel & Richard C. Holbrooke  
Conference Center, Room B-29 Super Fortress,  
Building #823, Area A, Gate 12A  
Wright-Patterson Air Force Base, OH 45433

- 1. ATTENDEES – ATTACHMENT ONE**
- 2. NEW BUSINESS**

**November 6, 2014—Administrative Session**

Dr. Nancy Dickey welcomed Defense Health Board (DHB) members and Subcommittee members to the meeting. Ms. Christine Bader introduced Lt Gen Douglas Robb, Director of the Defense Health Agency, who provided an overview of the Military Health System (MHS) 90-Day Review. Good discussion was held and invitation for further comments and suggestions to be forwarded to Ms. Bader.

Ms. Bader noted the resignation of a Board member, reviewed recent appointments to Subcommittees, and introduced new contract support staff. She then discussed the status of recent DHB recommendations.

Ms. Bader updated the members on the placement of the Defense Suicide Prevention Office, and Ms. Marianne Coates provided a brief media update to the members, highlighting the visibility of the Public Health Subcommittee's Deployment Pulmonary Health report. Col Rouse reviewed travel expense updates and the February 11-12 DHB meeting. Ms. Bader also reminded members to report any conflicts of interest they may have regarding the meeting.

**Action/POC:** None.

**November 6, 2014--Open Session**

**a. Administrative & Opening Remarks**

Dr. Dickey opened the meeting and welcomed the attendees. Ms. Bader called the meeting to order as the DHB Alternate Designated Federal Officer. Following a moment of silence to honor Service members, meeting attendees introduced themselves.

**Action/POC:** None.

**b. Decision Brief: Combat Trauma Lessons Learned from Military Operations of 2001-2013**

Dr. Donald Jenkins, Chair of the Trauma and Injury Subcommittee, provided an overview of the report's lessons and recommendations. COL Kirby Gross, Director of the Joint Trauma System (JTS), thanked the members for their work and stated JTS would be eager to support the recommendations the report.

The members engaged in a robust discussion and agreed upon changes to the following lessons and recommendations:

- Recommendation 3.3: Change “A close partnership” to “For example, a close partnership.”
- Lesson 5: Move above recommendation 5.1.
- Lesson 10: Replace “combat trauma training must be provided in a tiered fashion” with “combat trauma training aimed at achieving core competencies in combat casualty care must be provided.”
- Recommendation 10.1: Change “Personnel shall not deploy until they accomplish this training” to “Personnel shall not deploy until they demonstrate and document mastery of this training.”

Dr. Jenkins proposed publishing an adaptation of the Combat Trauma Lessons Learned report in *Military Medicine* to help disseminate lessons learned, and Dr. George Anderson stated the Association of Military Surgeons of the U.S. would likely be happy to support that effort. The Board voted unanimously to approve the report with the agreed upon revisions. The report will be finalized for signature following the meeting.

**Action/POC:** Finalize the Combat Trauma Lessons Learned report with noted changes/DHB staff.

**i. Health Care Delivery Subcommittee Update: Sustainment and Advancement of Amputee Care Tasking**

Dr. Anderson, Chair of the Health Care Delivery Subcommittee, provided an update on the Subcommittee's tasking on the advancement and sustainment of amputee care. He highlighted the meetings held to date and areas of interest for the upcoming report. These areas include the current amputee care environment; collaborations; the use of technology; research, data and surveillance; and the future needs of amputees.

**Action/POC:** None.

**d. Medical Ethics Subcommittee Update: Dual Loyalties of Medical Providers Tasking**

Dr. Adil Shamoo, Chair of the Medical Ethics Subcommittee, provided an update on behalf of the Subcommittee on the issue of dual loyalties of medical providers. He highlighted the recent in-person meetings of the Subcommittee and areas of interest for the upcoming report. These areas include current ethics training in the military; ethical dilemma experiences of health care professionals; ethical and legal aspects of “dual loyalty;” and civilian models of ethical support systems.

**Action/POC:** None.

**e. Continuing Health Education Tasking Update**

Dr. Dickey provided an update on the subset's tasking. She reviewed the meetings to date and areas of interest for the report. These areas include establishment of a central Department of Defense (DoD) Continuing Health Education (CHE) office; restrictive DoD meeting/conference attendance policies; maintenance of competency; the value of face-to-face conferences; and the balance of CHE delivery modalities.

**Action/POC:** None.

**f. Neurological/Behavioral Health Subcommittee Update**

Dr. David Hovda, Chair of the Neurological/Behavioral Health Subcommittee, provided an update on the Subcommittee's tasking on the scientific evidence of using population normative values for post-concussive computerized neurocognitive assessments. He noted the Subcommittee's recent meeting and areas of interest, including advances in neurocognitive assessment tools; the automated neuropsychological assessment metrics (ANAM) dataset analysis; ANAM effectiveness in post-injury evaluations; costs associated with ANAM use; and alternatives to the ANAM. Members also held an extensive discussion on the value of baseline neurocognitive testing and the potential uses of biomarkers.

**Action/POC:** None.

**g. Decision Brief: Deployment Pulmonary Health**

Dr. H. Clifford Lane, Chair of the Public Health Subcommittee, provided an overview of the Deployment Pulmonary Health tasking and described the report's findings and recommendations. During the public comment session, Dr. Robert Miller of Vanderbilt University stated the report had improved since it was presented in August, but he believed the report was still very negative with respect to surgical lung biopsy. He also suggested the Board consider adding to the report that constrictive bronchiolitis (CB) is a deployment-related disease; acknowledge that computed tomography scans and pulmonary function tests are insensitive screening tools for small airways disease or CB; consider broadening the indications for surgical lung biopsy; and consider recommending establishment of a deployment pulmonary health center of excellence.

Mr. Daniel Sullivan of the Sergeant Thomas Joseph Sullivan Center asked the Board to consider recommending pre-deployment spirometry and guidelines for the use of surgical lung biopsy. Dr. Howard Fishbein, Associate Director of the Health Sector at Westat, recommended including prevention of e-cigarette use in recommendation 15.1. Mr. Peter Sullivan of the Sergeant Thomas Joseph Sullivan Center endorsed doing pre-deployment spirometry and asked how oversight is provided to ensure the recommendations are implemented. Dr. Craig Postlewaite, Deputy Chief of the Public Health Division of the Defense Health Agency, stated the

Subcommittee provided a very objective report, and many of the recommendations may be brought to his division to address.

The members engaged in a robust discussion and agreed upon changes to the following findings and recommendations:

- Recommendation 1.1.c: Add “including e-cigarettes and like products.”
- Finding 4b: Change “Diagnosing diseases of the small airways in the absence of objective findings on non-invasive testing may be challenging” to “Diseases of the small airways may occur in the absence of objective findings on non-invasive testing.”
- Recommendation 6.1.b: Replace “Develop a mechanism to allow investigators to expeditiously declassify demographic information” with “Develop a mechanism to allow investigators expedited access to demographic information” and change “request to expedite declassification of individual location data to support epidemiologic research and surveillance” to “request to expedite access to individual location data to support epidemiologic research and surveillance, which may include declassification.”
- Recommendation 15.1: Replace “reduce acceptance of tobacco use (e.g., smoke-free bases, educational campaigns)” with “reduce acceptance of tobacco use, e-cigarettes, and like products (e.g., discouraging sales, smoke-free bases, educational campaigns).”

The Board voted unanimously to approve the report with the agreed upon revisions. The report will be finalized for signature following the meeting.

**Action/POC:** Finalize the Deployment Pulmonary Health report with noted changes/DHB staff.

#### **h. Air Force Research Laboratory**

Brig Gen Timothy Jex, Commander of the 711<sup>th</sup> Human Performance Wing (HPW), provided an overview of the Air Force Research Laboratory (AFRL). Brig Gen Jex stated the AFRL helps to maintain the preeminence of U.S. Air Force technology and highlighted research focus areas including human systems integration and education and training technology. He stated the AFRL is continually shaping their strategies and directing investments to advance technology in response to evolving threats. Additionally, the AFRL wants to produce weapons systems that are expensive for enemies to counter while also being affordable. Brig Gen Jex also indicated that the AFRL has senior leaders that are in communities of interest that coordinate and share information with the other Services.

**Action/POC:** None.

#### **i. 711<sup>th</sup> Human Performance Wing Overview**

Brig Gen Jex provided a briefing on the 711<sup>th</sup> HPW describing its three mission units: the Human Effectiveness Directorate; the U.S. Air Force School of Aerospace Medicine (USAFSAM); and the Human Systems Integration Directorate. He noted that, while the three mission units are unique, they are all related and provide the opportunity for integration and synergy. The support of the F-22 fighter aircraft, for example, provided great validation of the

vision of the wing. Brig Gen Jex also highlighted the synergy and complementary capabilities between the 711<sup>th</sup> HPW and Naval Medical Research Unit-Dayton.

**Action/POC:** None.

**j. U.S. Air Force School of Aerospace Medicine Overview**

Col Christian Benjamin, Commander of USAFSAM, discussed the school's various departments and training capabilities, such as the aeromedical evacuation training. Col Benjamin also touched on USAFSAM's consultative services, including epidemiologic and radiologic assessment teams. Col Benjamin stated USAFSAM has been given the opportunity to develop infrastructure to do operational research, and he highlighted USAFSAM's robust, tri-Service epidemiology lab.

**Action/POC:** None.

**November 7, 2014--Administrative Session**

DHB members toured facilities at the 711th HPW, including the Naval Medical Research Unit-Dayton spatial disorientation laboratory and centrifuge; research altitude chambers; epidemiology laboratory; air evacuation training facility; and non-invasive brain stimulation laboratory. Demonstrations on the Live Virtual and Constructive Operational Training and Joint Terminal Attack Controller were also provided; these demonstrations were CLASSIFIED SECRET in accordance with the exemption for closure contained within the Sunshine Act, 5 United States Code 552b(c). Additionally, members received demonstrations on Battlefield Air Targeting Man Aided kNowledge (BATMAN) capabilities and an overview from COL Patricia Hastings of the Joint Staff on the Ebola outbreak in Africa. Members then toured the National Museum of the U.S. Air Force.

**3. NEXT MEETING**

The next DHB meeting will be held on February 11-12, 2015.

**4. CERTIFICATION OF MINUTES**

I hereby certify that, to the best of my knowledge, the foregoing meeting minutes are accurate and complete.



12/22/2014

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Nancy W. Dickey, MD  
President, Defense Health Board

Date

**ATTACHMENT ONE: MEETING ATTENDEES**  
**November 6, 2014**

<b>BOARD/SUBCOMMITTEE MEMBERS</b>			
<b>TITLE</b>	<b>LAST NAME</b>	<b>FIRST NAME</b>	<b>ORGANIZATION</b>
Dr.	Alemagno	Sonia	Dean and Professor of Health Policy and Management, College of Public Health, Kent State University
Dr.	Anderson	George	<i>Defense Health Board (DHB) Second Vice President</i> Former Executive Director, The Society of the Federal Health Agencies
Dr.	Baldwin	John	Advisor on Health Sciences to the Chancellor, and Professor of Internal Medicine and Surgery, Texas Tech University Health Sciences Center
Dr.	Bullock*	M. Ross	Professor of Neurosurgery and Director of Neurotrauma Care, University of Miami
Dr.	Carlson	Gary	Professor of Toxicology, School of Health Sciences, Purdue University
Dr.	Clements	John	Professor and Department Chair of Microbiology & Immunology; Director of the Tulane Center for Infectious Disease Research; Co-Director of the Louisiana Vaccine Center, Tulane University School of Medicine
Dr.	Dickey	Nancy	<i>DHB President</i> Professor, Department of Family and Community Medicine, Texas A&M University
Dr.	Frank	Robert	President, University of New Mexico, Office of the President
Dr.	Gordon	Steven	Chairman, Department of Infectious Diseases, Cleveland Clinic Foundation
Dr.	Groopman	John	Anna M. Baetjer Professor of Environmental Health, Department of Environmental Health Sciences, Bloomberg School of Public Health, Johns Hopkins University
Dr.	Higginbotham	Eve	Perelman School of Medicine, University of Pennsylvania
Dr.	Hovda*	David	University of California, Los Angeles Neurosurgery, Departments of Surgery and of Molecular and Medical Pharmacology Director, UCLA Brain Injury Research Center
Dr.	Jenkins	Donald	Senior Associate Consultant, Division of Trauma, Critical Care and General Surgery, Mayo Clinic; Associate Professor of Surgery, College of Medicine; Medical Director, Mayo Clinic Trauma Center
RADM	Lane	H. Clifford	Director, Division of Clinical Research, National Institute of Allergy and Infectious Disease, National Institutes of Health
Dr.	Lockey	James	Tenured Professor of Environmental Health; Professor, Department of Internal Medicine (Pulmonary Division); Professor, College of Allied Health Sciences, Department of Rehabilitation Sciences, University of Cincinnati College of Medicine
Gen (Ret)	Myers	Richard	<i>DHB First Vice President</i> RMyers & Associates LLC
Dr.	O'Leary	Dennis	President Emeritus, The Joint Commission
Dr.	Otten	Edward	Professor of Emergency Medicine; Medical Director, Division of Toxicology, University of Cincinnati College of Medicine
Dr.	Shamoo	Adil	DHB Medical Ethics Subcommittee Member Professor, Department of Biochemistry and Molecular Biology University of Maryland School of Medicine
<b>INVITED GUESTS &amp; STAFF</b>			
<b>TITLE</b>	<b>LAST NAME</b>	<b>FIRST NAME</b>	<b>ORGANIZATION</b>
CAPT	Andrews	Jeffrey	Commanding Officer, Naval Medical Research Unit-Dayton, Wright-Patterson Air Force Base

Ms.	Bader	Christine	DHB Director/Alternate Designated Federal Officer (DFO)
Brig Gen	Balserak	James	Assistant to the Director, Defense Health Agency (DHA)
Col	Benjamin	Christian	Commander, U.S. Air Force School of Aerospace Medicine, Wright-Patterson Air Force Base
Mrs.	Coates	Marianne	DHB Media Consultant/Creative Computing Solutions, Inc. (CCSi)
Dr.	Cordts*	Paul	Senior Medical Compliance Officer, Clinical Support Division, Healthcare Operations Directorate
Ms.	Crowe	Holly	Presidential Management Fellow, DHA Innovation Office
COL	Gross	Kirby	Director, Joint Trauma System, Joint Base San Antonio
Brig Gen	Hersack	Richard	Command Surgeon, Air Force Materiel Command, Wright-Patterson Air Force Base
Ms.	Higgins	Sara	DHB Analyst, Grant Thornton, LLP
Col	Hughes	Kathryn	Director, Human Systems Integration Directorate, 711th Human Performance Wing, Air Force Research Laboratory, Wright-Patterson Air Force Base
Mr.	Hurley*	Brian	Principal, Ward Circle Strategies
Brig Gen	Jex	Timothy	Commander, 711th Human Performance Wing, Wright-Patterson Air Force Base
Ms.	Markowitz-Shulman	Ariel	DHB Analyst, Grant Thornton, LLP
LTC	McCann	Thane	Commander's Initiative Group, Office of the Surgeon General
Col	Nelson	William	Deputy Chief, Plans & Programs, 711th Human Performance Wing, Wright-Patterson Air Force Base
Col	Reiser	Daniel	Director of Staff, 711th Human Performance Wing, Wright-Patterson Air Force Base
Ms.	Ribeiro	Elizabeth	DHB Analyst, CCSi
Lt Gen	Robb*	Douglas	Director, DHA
Col	Rouse	Douglas	DHB Executive Secretary
Mr.	Sakulich	Timothy	Vice Director, 711th Human Performance Wing, Wright-Patterson Air Force Base
Mr.	Slinger	Bryce	Presidential Management Fellow, DHA Innovation Office
COL	Stein	James	Preventive Medicine Staff Officer, Office of The Surgeon General
CDR	Torrie	Ian	DHB Service Liaison Officer, Canadian Embassy
Ms.	Welsh	Margaret	DHB Event Planner, Grant Thornton, LLP

**MEDIA & PUBLIC ATTENDEES**

<b>TITLE</b>	<b>LAST NAME</b>	<b>FIRST NAME</b>	<b>ORGANIZATION</b>
Dr.	Abraham	Joseph	Epidemiologist, Environmental Medicine, U.S. Army Public Health Command
Mr.	Casterline	Daniel	National Account Executive, Merck Vaccines

Dr.	Davidson	Glen	Adjunct Professor of Medicine & Culture, Vanderbilt University
Dr.	Fishbein	Howard	Associate Director, Health Sector, Westat
Dr.	Mauzy	Camilla	Air Force Research Laboratory, 711th Human Performance Wing, Molecular Bioeffects Branch
Dr.	Miller	Robert	Associate Professor of Medicine, Vanderbilt University Medical Center
Dr.	Postlewaite	Craig	Deputy Chief, Public Health Division, DHA
Mr.	Sullivan	Daniel	President and CEO, The Sergeant Thomas Joseph Sullivan Center
Mr.	Sullivan	Peter	Co-Founder, Assistant Treasurer & Chair of Science and Policy Advisory Committee, The Sergeant Thomas Joseph Sullivan Center
Ms.	Thomas	Elizabeth	The Sergeant Thomas Joseph Sullivan Center
Mr.	William	Wisner, Jr.	Veteran Fellow for Mission Leadership, The Sergeant Thomas Joseph Sullivan Center

\*Participated via telephone.