

Project BOOM – A Cumulative Positive Impulse



This is an image of the home screen

ATRC's Digital Health Innovation Center (DHIC), through its Project BOOM, supporting the Joint Health Risk Management Enhanced Capability Demonstration (JHRM ECD), continued agile software development to add to the suite of prototype capabilities for Blast Exposure Monitoring (BEMO) hosted in the Mobile Health Care Environment (MHCE).

The newest features and capabilities under development are the Environmental Health Sensor Issuance Tool and the BEMO Training Feedback Report Generator (TFRG). The Sensor Issuance Tool enables wearable sensor data (from blast overpressure gauges in this case) to be associated with

New Consult - Visual Acuity Left	\mathbf{D}
Visual Acuity - Left Eye	
Wear of glasses or contact lenses for visual acuity testing:	
No	
Glasses	
Contacts	
Please select a test for the left eye:	
Distance Eye Chart	
Near Eye Chart	
Count Fingers	
Hand Motion	
Light Perception	
OCP Flag Patch	
Visual Acuity Testing	

personally identifiable information (PII) for longitudinal exposure recording regardless of where sensor data is downloaded relative to the point of issue and without loading PII on the sensor itself. The TFRG aggregates individually-associated blast overpressure gauge and weapon firing log data into unitlevel summary exposure reports to provide Commanders, instructors and Force Health Protection personnel with analytical information needed to manage health risks and identify trends.

TATRC's Project Manager for this initiative, Ms. Tabitha Waldrop, stated, "As Project BOOM morphs, the mCare / MHCE system implements new features and capabilities. The team continues its

🖬 AT&T 🗢	12:27 PM	D
Catient Test	REQUESTED BY: Cooper Noah	
	Noah Cooper Consult Added 10/9/2020 10:32	
Michelle Moccia Received 10/9/2020 10:34		
	Noah Cooper Test message sent 10/9/2020 10/9/2020 10:37	
Michelle Moccia Testing respo 10/9/2020 10:39	nse	
Message		
	Submit	
Sample Sec	cure message interaction	

Sample Secure message interaction between a specialist and a provider at the point of injury or in this case the Emergency Department.

'cumulative positive impulse' across many other projects, by implementing innovative ways to design and develop modularly and incrementally, continuously improving and building upon lessons learned. I'm incredibly proud of all the work that the DHIC development team has accomplished on this project."

TATRC will be supporting several upcoming demonstrations with the U.S. Special Operations Command and Marine Corps later this year for the previously developed BEMO Weapon Firing Log. Demonstrations of a fully integrated suite of BEMO tools,

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The exam menu allows users to add freetext notes regarding an exam, draw and image or take a picture, and to note the findings of an exam using the detailed exam menu. See below for the menu that appears when you click the check box.

including the Sensor Issuance tool and the TFRG prototypes, is planned for the 4th Qtr of this fiscal year in support of the OSD Health Affairs 734 Working Group Blast Overpressure Studies.

For more information on this project, please contact Ms. Jeanette Little, jeanette.r.little.civ@mail.mil.

