News Release:

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TATRC Awards Project to Tackle Interoperability and Scalability of Teams of Telehealth Providers in a Disaster

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The U.S. Army Medical Research and Development Command's (USAMRDC) Telemedicine and Advanced Technology Research Center (TATRC) has awarded a total of approximately $2.4M in funding through the Medical Technology Enterprise Consortium (MTEC) Other Transaction Authority (OTA) to a team led by the Geneva Foundation to build, test, iterate and deploy a Cross-Platform Application Module (C-PAM). The C-PAM will allow multiple clinical teams working on different telehealth platforms as part of TATRC's National Emergency Tele-Critical Care Network (NETCCN) to share data across platforms using standards, creating an interoperable ecosystem for disaster medicine.

TATRC's NETCCN project consists of networks of critical care clinicians and providers that can deliver virtual care "from anywhere to anywhere" through the use of cloud-based, low-resource telemedicine platforms. Initial deployment of the NETCCN has supported several hospitals and other facilities in Guam, Puerto Rico, Iowa, Minnesota and the Dakotas, and is expanding availability to assist wherever there is a lack of adequate critical care expertise and resources necessary to care for COVID-19 patients.

"Fostering interoperability of virtual care systems in the NETCCN facilitates cross regional support at a national-scale and encourages telehealth providers – both current NETCCN performers and future telehealth companies seeking to engage in disaster response – to work together. Cross platform interoperability helps scale medical response to the COVID-19 pandemic, future disasters and large scale combat operations with seamless communication and data sharing. We're building C-PAM to be the bridge across our current NETCCN teams and future technology platforms that will enhance the NETCCN's capabilities," said COL Jeremy Pamplin, TATRC's Director.

The Geneva Foundation C-PAM team consists of multiple NETCCN performers and key experts in application design, human factors and interoperability, including: Avera Health, VitelNet, Expressions Network, DocBox, Massachusetts General Hospital Medical Device Plug and Play Laboratory, and Omincure.

The project consists of identifying and prioritizing key C-PAM functions, agile development and testing of a prototype system, testing and rapid iteration for use and availability during the COVID-19 pandemic as well as future civilian and military disasters.

"The future of virtual care is secure and interoperable platforms and data. Without C-PAM, multiple telehealth platforms trying to deliver care at scale will end up creating a sea of screens generating decentralized data on

disparate systems, making life more difficult for caregivers and care managers. Our C-PAM solution will synchronize, normalize and time-stamp data from disparate systems into standards-based terms and interfaces to power large scale care response and better situational awareness and decision-making," said Tracy Rausch, Founder of DocBox and lead for the Geneva Team.

The project kicks off next week with the first C-PAM prototype planned for testing in 90 days.

About TATRC:

U.S. Army's Telemedicine & Advanced Technology Research Center's (TATRC) is engaged in essential medical research focused on advanced medical technologies and is dedicated to bringing innovative telehealth solutions to the Warfighter and the Military Health System. TATRC fosters research on health informatics, telemedicine / m-Health, medical training systems and computational biology to address gaps in DoD medical research programs and military healthcare.

For more information on TATRC, please visit: https://www.tatrc.org.