



**News Release:**

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**TATRC AWARDS INITIAL COHORT OF NATIONAL TELECRITICAL CARE NETWORK PROJECTS FOR RAPID EXTENSION OF CRITICAL CARE CAPABILITIES FOR COVID**

**For Immediate Release – June 15, 2020**

In support of COVID-19 response, the U.S. Army Medical Research and Development Command's (USAMRDC) Telemedicine and Advanced Technology Research Center (TATRC) has awarded nine clinical and technical teams to support the rapid development, deployment and testing of the National Emergency Telecritical Care Network (NETCCN).

NETCCN is a cloud-based, low-resource, stand-alone health information management system for the creation and coordination of flexible and extendable "virtual critical care wards." These high acuity, virtual wards would bring high-quality critical care capability to nearly every bedside, be it healthcare facility, field hospital, or gymnasium. Based on cellular communication networks, mobile technologies and cloud computing, the NETCCN will support the extension of high-quality intensive care to places which lack adequate critical care expertise and resources necessary for care of COVID-19-related illnesses.

"COVID-19 presents a situation where critical care resources can be overwhelmed by patient volume. Even if enough equipment is made available, there are not enough critical care trained clinicians to manage all of the critically ill patients during a national emergency, especially in rural and austere locations. The NETCCN project seeks to deliver this capability from anywhere to anywhere leveraging our existing mobile networks," said COL Jeremy Pamplin, TATRC Director.

Through a step-wise approach, the NETCCN project will fund an initial Phase 1 cohort of nine teams consisting of healthcare organizations and technology vendors to rapidly, iteratively and collaboratively prototype, test and refine tele-critical care and data visualization solutions to support local, regional and ultimately national COVID-19 care and situational awareness.

Phase 1 of the NETCCN project consists of a 15-day sprint in which teams conduct initial system configuration and alpha testing. Teams which successfully complete this phase may move forward to Phase 2 of the project, another 15-day sprint of rapid development and beta testing of the platforms with healthcare providers and patients. Teams which successfully complete Phase 2 of the project, may move to Phase 3, in which teams will field their platforms to actual users and experience real world use at scale.

Through the Medical Technology Enterprise Consortium (MTEC), Other Transaction Authority (OAT), TATRC has awarded the following nine teams for Phase 1 of the NETCCN project, which will commence on June 15, 2020:

- Avera Health with VitelNet, and DocBox
- Deloitte Consulting, LLP with AWS GovCloud, Decisio Health, Elsevier, Qventus, T6 Health System, Verizon, and Zyter
- Expressions Network, LLC with Mercy ACO Clinical Services, Active Innovations, and SDSE Networks
- The Geneva Foundation with Omnicure, Society of Critical Care Medicine (SCCM) Discovery Network, DocBox, MD PnP Program at Massachusetts General Hospital, and Madigan Army Medical Center (MAMC)/Telemedical Research for Operational Support (TR4OS)
- Oregon Health and Science University with GE Healthcare, and Microsoft
- Medical University of South Carolina with Advanced ICU Care, Doxy.me, General Electric, Masimo, Medtronic, Microsoft, Mushroom Networks, SmileCDR, Ventec, ViaSat, Carnegie Mellon University, Case Western Reserve University, Clemson University, Dartmouth University, Mass General Hospital, and University of California, San Diego
- Phillips North America with Emory Healthcare
- Unissant, Inc with ISeeYouCare, T-Mobile, Dr. Jay Sanders, Dr. Craig Goolsby, and Dr. Herb Rogove
- University of Pittsburgh with UPMC Health System and Microsoft

### **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/www/resources/covid-19.html>.

### **About the Medical Technology Enterprise Consortium (MTEC)**

The Medical Technology Enterprise Consortium (MTEC) is an enterprise partnership in collaboration with industry and academia to facilitate research and development activities, in cooperation with the U.S. Army Medical Research and Development Command (USAMRDC) and other DoD agencies in the biomedical sciences (including but not limited to drugs, biologics, vaccines, medical software and medical devices) to protect, treat and optimize the health and performance of U.S. military personnel.

For more information on MTEC, please visit: <https://www.mtec-sc.org/>.

### **About the Awardees**

- Avera Health (<https://www.avera.org/>)
- Deloitte Consulting, LLP (<https://www2.deloitte.com/us/en.html>)
- Expressions Network, LLC (<https://expr.net/>)
- The Geneva Foundation (<https://genevausa.org/>)
- Oregon Health and Science University (<https://www.ohsu.edu/>)
- Medical University of South Carolina (<https://web.musc.edu/>)
- Phillips North America (<https://www.usa.philips.com/>)
- Unissant, Inc (<https://www.unissant.us/>)
- University of Pittsburgh (<https://www.pitt.edu/>)