



Spotlight: Department of Defense (DoD)

Connecting care in the battlefield and beyond

When it comes to caring for our nation's military, Philips believes boots on the ground require an eye in the sky, providing visibility into everything happening in the field and beyond. When a member of our military is injured on the battlefield, every second counts, and the care provided at the point of injury (POI) can often mean the difference between life and death. However, combat medics are faced with incredible challenges, such as hostile fire, darkness, extreme environments, limited medical equipment and possible prolonged evacuation time.¹

What if that medic could respond confidently in a no-communication or low-communication environment, knowing that the patient's data would move securely from all points of care to the system of record where clinical teams could access it in real time? Our vision for the future of military care is coordinated, connected care that is completely managed by an [integrated global command](#)

[center](#). The following case illustrates how a centralized care model could seamlessly and securely support a soldier's journey across the care continuum.

At POI

The platoon medic who is equipped with a durable [remote monitoring and defibrillator device](#) can begin emergency care by capturing real-time streaming of vitals, waveforms and images. That data is stored in the cloud and securely and continuously sent to a virtual medical center via a [web-based software platform](#) that delivers high-level encryption and advanced communications capabilities to communicate data over challenging network conditions. This allows for two-way communication with a specialist, so no one is left acting alone and decisions can be made quickly on the ground or in the air.

In transport

While en route, a [portable ventilator](#) is used to stabilize the patient. The medic uses a [portable ultrasound device](#) with robust security architecture to assess the injury and securely collaborate with the field hospital surgeon who is then better able to prepare for surgery.



Our security services meet the high standards of the DoD

The DoD sets a high standard when it comes to cybersecurity and understandably so. A data breach for our nation's military could expose classified information, impacting the military's readiness and effectiveness, potentially putting our service members, government leaders and population at risk.

To provide our government partners with cutting-edge equipment and to ensure that connected devices and systems meet or surpass security standards, Philips is committed to ensuring our technologies meet US government specifications including the DoD's Risk Management Framework (RMF), Federal Risk and Authorization Management Program (FedRAMP) and VA's enterprise risk assessment (ERA) process. By performing to these specifications, Philips can better enable the systemwide availability and cybersecurity of patient data and diagnostic images for clinical staff, thereby facilitating more timely and effective care.

At diagnosis and during treatment

Upon arrival, the patient is transferred to a [modular and extensible transport monitor](#). During recovery, the patient's only concern is getting better. Everything else has been taken care of – from a treatment plan and specialist appointments to video visits with family and mental health counseling. As the journey continues, information is continuously sent forward to the next level of care for faster handoffs while continuous monitoring propels greater continuity of care.

Continued care

These capabilities continue stateside helping service members heal and transition back to active duty or discharge successfully to civilian life. At home, our patient is continuously and securely monitored via

a [wearable sensor](#) and can access care at the local Veterans Service Organization post where a [virtual care station](#) connects with a specialist at US Department of Veterans Affairs (VA), a three-hour drive away. Throughout the patient's journey, Philips [digital platform](#) helps connect care and safeguard privacy at every touchpoint along the way.

Emergency response and preparedness

This same centralized care model could also be deployed during pandemics or national emergencies to help keep large response teams in sync. Clinicians and responding government agencies could stay in constant contact with the ability to add capacity wherever needed, driving anywhere care throughout the health continuum.

Learn more about [our work with government agencies](#).

Reference: 1. Alexander GE. The history—and future—of combat care. Association of the United States Army. Accessed April 30, 2021. <https://www.ausa.org/articles/history%E2%80%94andfuture%E2%80%94combat-care>

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