

BattleCare Solutions Brief



Solutions Brief
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Enabled by Intel-Inspired Ultrabook™ Devices

Soldiers injured in war zones need immediate and accurate medical diagnosis. This makes successful learning of battlefield trauma triage essential to help save lives.

With the award-winning BattleCare app by CliniSpace on Ultrabook™ devices, medical students and experienced medics can learn and practice battlefield trauma triage. BattleCare takes advantage of the high-resolution screen and touch interface of Ultrabook systems to deliver a video game approach to guided medical learning.

Learning Battlefield Triage through Game Play

BattleCare students play the role of Airman Collins, a medic on duty in Gardez near the Afghanistan border. Collins is confronted with patients who have a variety of injuries and learns the ABC's of triage: checking and responding to Airway, Breathing and Circulation.

Players use the touch capabilities of Ultrabook devices to control Collins, who must evaluate the patient, select a status and, if needed, perform certain medical procedures. The touch-based interaction allows users to feel as if they are actually touching the patient and performing procedures.



Throughout the process, the mentor, Sergeant Rodriguez, provides feedback.

BattleCare takes advantage of the touch capabilities of Ultrabook devices to help the users feel as if they were actually in a trauma unit in a war zone. They use touching and swiping actions to conduct assessments and medical treatments like opening an airway, using a suction bulb, compressing wounds, using a chest suction, and more.

CliniSpace was able to fully optimize BattleCare for Ultrabook devices because of its status as an Intel® Software Partner in the Intel® Developer Zone, which gives members the tools, code, and support that help them develop, market, and sell apps for Ultrabook systems. Plus, CliniSpace was able to engage with experts through the communities, forums, and blogs within the Intel Developer Zone.

BattleCare teaches the ABC's of battlefield triage (Airway, Breathing and Circulation) in order to stabilize patients as quickly as possible so they can receive additional medical care.

Airway

The player must first check and possibly clear the airway of a wounded soldier, which includes opening the mouth (simulated by moving fingers apart on the screen) and using a suction bulb.

Breathing

Next the player must check the breath to see if the soldier is exchanging air and at what level and ease. This can also entail reducing bleeding in a wounded area by selecting a sponge and compressing.

Circulation

Finally the player must discover if the heart is functioning normally and blood is circulating correctly. Battlecare provides feedback on the choices players make so that they can learn and improve.





BattleCare Powered by Ultrabook Systems

Ultrabook devices are powerful platforms to engage and learn about battlefield triage. The interactive touch and keyboard capabilities and visually-rich display , all powered by Intel® Core™ processors, help make learning to save lives in intense battlefield situations fun and helpful.



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