

## CASE STUDY

# SimWerx uses Prediction Guard to turn AI into a reliable, lifesaving tool

AI has the potential to drive lifechanging results in pre-hospital care, but military, EMS, and disaster relief medics need to be able to trust guidance from their AI assistant without exception. SimWerx build their “medic copilot” application on top of Prediction Guard to provide evidence-based clinical decision support for protocol-aligned guidance, clinical tools, functions, and calculations.

## SIMWERX SOLUTION

Within the SimWerx decision support application, Prediction Guard is integrated to power information gathering, question and answer, and automated prioritization tasks. Data from care guideline documents (e.g., with information about how to care for a hemorrhage or brain injury) is integrated with Prediction Guard’s open LLMs to generate natural text assistance relevant to casualties being treated in high impact, high stress situations.

Retrieved data from care guidelines and tracked vitals are combined in producing the assistance, which is fact-checked against domain-specific reference information to ensure that the LLM-output is factually consistent.

## PREDICTION GUARD BENEFITS

### System Level Security

SimWerx data contains PII/PHI and is processed in high risk scenarios (e.g., war zones). The combination of private model hosting and AI safeguards in Prediction Guard keeps data secure and prevents unintended behavior.

### LLM Output Validation

The pre-hospital environment requires high fidelity, accurate information. Prediction Guard’s factual consistency checks catch LLM hallucinations before they surface.

## AT A GLANCE

### AI Solution

Fact-checked AI assistance for field medics Augmenting pre-hospital care for military, disaster relief, and EMS

### Benefits

- Data privacy LLM output validation

### Video:

[tinyurl.com/cnn-intel-pg](https://tinyurl.com/cnn-intel-pg)



*“In a pre-hospital environment, we have to have speed and accuracy. A slow response is unacceptable.*

*Intel and Prediction Guard are directly impacting our ability to provide timely decision support in the most challenging environments.”*

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