

# Crisis Simulations International, LLC

## Hospital Preparedness & Response Simulations

Hospitals fill a wide range of services in communities, from surgery and critical care to outpatient clinics and emergency rooms. At the same time, hospitals must maintain a level of preparedness for the unexpected – epidemics, explosions, hurricanes and other catastrophic events.

***Crisis Simulations International's 3 hospital/healthcare simulations can help facilities prepare for the unexpected.***

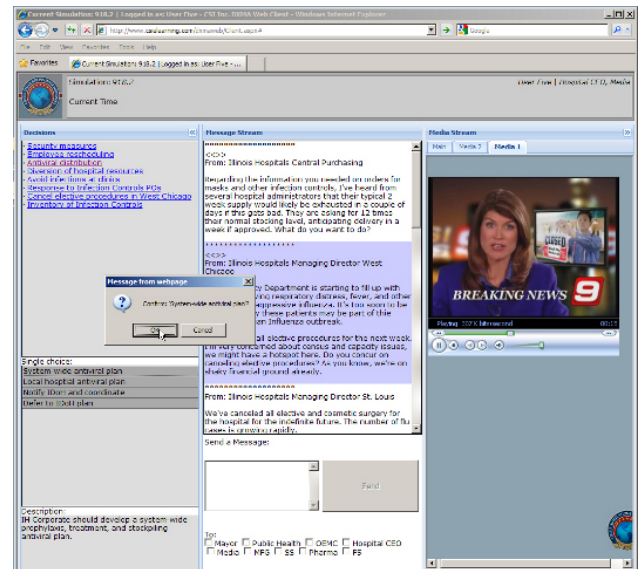
### ***Pandemic Influenza***

What would an avian flu epidemic really look like?  
How would it develop?

This simulation shows the interdependencies between hospitals, local EMS providers, emergency management, and local and regional governments. Pandemics stress the entire interrelated system of facilities and staff support. Even localized pockets of infection can engulf the region.

The scenario covers the first 8 weeks of the epidemic in an 8-county region of south central Pennsylvania, but can be customized and localized for any location.

This simulation and training meets the Pandemic and All Hazard Preparedness Act (PAHPA) mandates that emphasize training and exercises.



***Influenza pandemic simulation screen***



***Emergency hospital during 1918 influenza epidemic, Camp Funston, Kansas***

### ***Mass Casualty Stadium Explosion***

Any event in a public space that triggers mass casualties (explosive devices, earthquakes, car bombs) stress-tests a hospital's surge capacity. This simulation highlights the importance of and interdependencies between decisions made at the mass casualty event and the hospital(s) receiving victims.

The scenario unfolds over 24 hours. It emphasizes challenges at a scene, where the number of potential patients exceeds the capacity of any one hospital. It also includes issues related to treating the special needs of pediatric, handicapped and geriatric patients.



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## **Mass Casualty Stadium Explosion cont.**

This patient influx simulation may meet both the community-based and functional exercise requirements that test a hospital's surge capacity.

## **Hospital Evacuation**

Evacuating entire floors of a hospital to another facility miles away is a challenge for any healthcare provider.

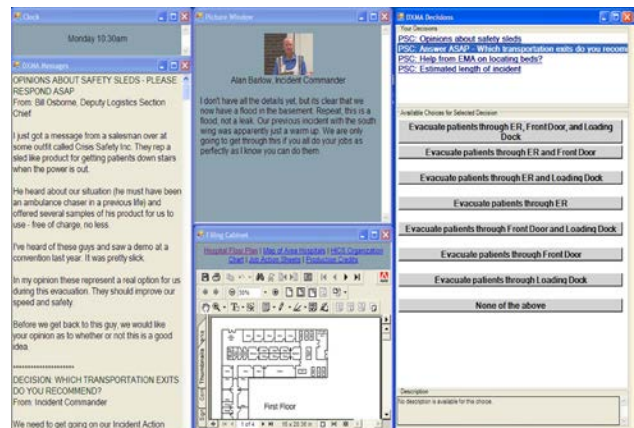
This scenario simulates horizontal and vertical hospital evacuations. It provides the staff of hospitals, nursing homes or other healthcare facilities with the opportunity to make strategic and tactical evacuation decisions during an unforeseen facilities failure.

The package includes a separate practice module that allows participants to create a patient evacuation sequence; it then allows participants to run the module to see the results of their decisions.

Properly conducted exercises may comply with the functional component of exercises necessary for hospital accreditation. The decisions follow HICS protocols and comply with Joint Commission Requirements EC 4.14 and 4.18.

Crisis Simulations International, founded in 2005, develops and designs real-time simulations for homeland security, defense, healthcare, supply-chain management, law enforcement and emergency response.

Please contact us at (503) 318-6295 or at [info@crisissimulations.com](mailto:info@crisissimulations.com) to tell us how we can work with you to help prepare your healthcare facility for unexpected events.



**Hospital evacuation simulation screen**



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