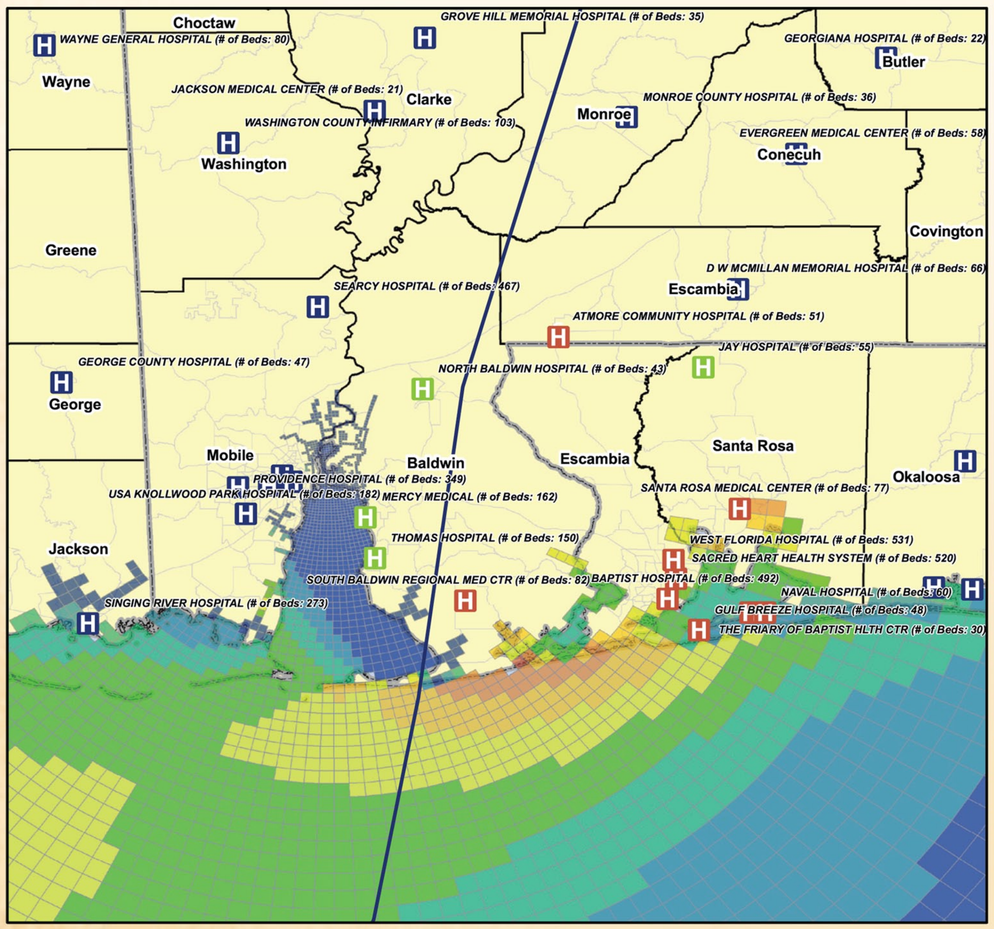
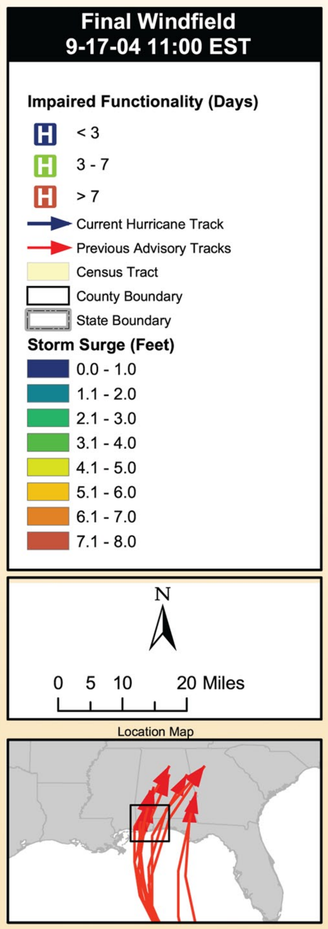
HAZUS-MH APPLICATION: HURRICANE WIND

Estimated Loss of Functionality of Hospitals in Hurricane Ivan





DATA AND ANALYSIS DISPLAYED:

- Hurricane Ivan track (Final Windfield on 9-17-04)
- Coastal flood depth grid, developed using the estimated SWEL (produced by the SLOSH model analysis, performed at landfall)
- Location of hospitals (from the HAZUS-MH inventory).
- Estimated loss of functionality of hospitals based on wind damage.
- Exposure of hospitals to storm surge from Hurricane Ivan.

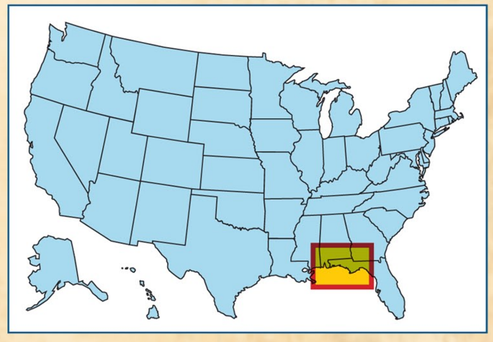
POTENTIAL USES

Pre-Disaster:

- Identification of hospitals most at risk from storm surge and hurricane winds.
- Incorporation of HAZUS-MH analysis of debris generation to identify hospitals that may inaccessible.
- Identification of population most at risk from the effects of storm surge and high winds, and thus requiring medical attention.

Post-Disaster:

- Identification of hospitals with moderate to high probability of losing functionality due to the effects of high winds and storm surge.
- Input in the deployment of Disaster Medical Assistance Teams (DMAT) and the location of staging areas for deployment of response resources.
- Identification of population at risk and infrastructure that is exposed to high winds and storm surge, and areas with potentially high concentrations of debris.



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