Remote Medical Monitoring
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Description:
◆ Part of CoAX – Coalition Agents Experiment.
◆ Allows medical personnel to monitor the condition of remote casualties.
◆ Intelligent mobile agents, with embedded medical models, migrate to casualty and medic locations.
◆ Agents alert medics of only important changes in casualty status.
◆ In CoAX, the medics are on a US ship, and the casualties are on an Australian ship.

Results:
◆ Remote medical monitoring allows more effective use of medical resources.
◆ Mobile agents provide country, unit or even medic-specific monitoring, while still conserving network bandwidth.
◆ GMAS, the Grid Mobile Agent System, adds interoperability. The medic and casualty locations can use different mobile-agent systems, particularly important for Coalition operations.

Future:
◆ Enhanced medical models with inputs from additional types of medical sensors (each casualty wears a pulse-oximeter in the current system).
◆ Integration with field hospitals, evacuation teams, and other medical entities.
◆ Extension to civilian first-responder applications.
◆ Final version of GMAS