The Next Generation of Electronic Laboratory Diagnostics and Consultation

STATPack™

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The STATPack™ system represents an application of the Client/Server computing model. This is the home page of the Client.

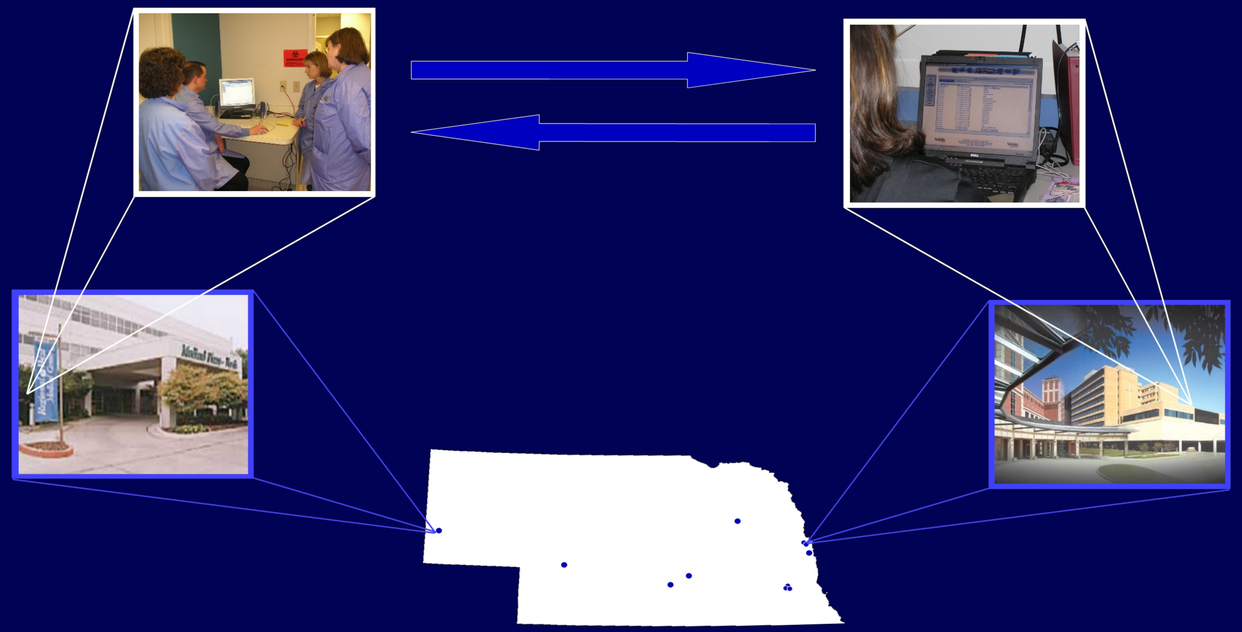
STATPack™ (Secure Telecommunications Application Terminal Package) is a telemedicine laboratory consultation system. The intent of the STATPack™ system is to help clinical laboratories throughout greater Nebraska become more prepared for a bioterrorism event or public health emergency by having a direct consultation link to the Nebraska Public Health Laboratory (NPHL) located at the University of Nebraska Medical Center in Omaha, Nebraska.

The STATPack™ system represents an application of the Client/Server computing model. This is the home page of the Server.

Laboratory specimens are captured using a digital camera. The image is securely transmitted to NPHL with a description.

The system transmits secure messages from NPHL to labs statewide. Also, it will provide notification with attached digital images.

Emergency messages are transmitted to NPHL from any lab in the system.



An inventory of images from each lab are stored for future reference.

The Message History provides an archive of sent and received messages.

Remote access to laboratory cameras allow NPHL to view specimens real-time.

The system architecture uses client/server technology and operates in a distributed enviroment connecting clinical health laboratories. This connectivity allows for immediate communication and data transfer of urgent health information by transmitting images and text. For example, when a clinical laboratory is processing a "suspicious" organism growing from a culture, the STATPack™ serves as a means for providing immediate consultation with the NPHL.

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