STATPack Facts

What is **STATPack** ™**?**
Secure
Telecommunications
Application
Terminal
Package

It is an emergency response system that addresses critical health information and biosecurity needs for clinical and non-clinical laboratories. The STATPack application is a secure, dedicated, HIPAA compliant, web-based network system that supports telecommunication connectivity among clinical health laboratories and non-clinical laboratories to the State Public Health Laboratories as well as other authorities.

The system architecture uses client/server technology and operates in a distributed environment. This connectivity allows for immediate communication and data transfer of urgent health information by transmitted images and text.

Unique Capabilities:

- Provides macro-visualization of difficult specimens
- Produces specimen image of diagnostic quality (millimeter resolution)
- Compliments a microscopic slide-based system
- Provides a database of electronic messages and corresponding images.
- Provides safe handling of biohazardous specimen using an airtight container to house diagnostic specimen and camera.

Funded by
Nebraska Research Initiative (NRI)
Association of Public Health Laboratories (APHL)
Health Resources and Services Administration (HRSA)

www.statpack.org

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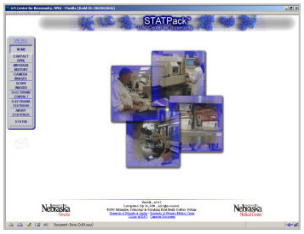
STATPack™

The Next Generation in Electronic Laboratory Diagnostics and Consultations

University of Nebraska Omaha | NPHL Nebraska Public Health Laboratory | University of Nebraska Medical Center

www.statpack.org

CLIENT



The STATPack™ system represents an application of the Client/Server computing model.

This is the home page of the Client.

Captures digital macroscopic and microscopic images of laboratory specimens. Provides magnification.

Transmits digital image to NPHL, which includes description and details.

Transmits routine MESSAGES and emergency ALERTS to NPHL from any lab in the system. This is the emergency ALERT page.

Provides an archive of sent and received MESSAGES and ALERTS.

The project is a joint effort between information technology experts at the University of Nebraska at Omaha (UNO) and health care professionals at the University Nebraska Medical Center (UNMC) and the Nebraska Public Health Laboratory (NPHL).

The system is intended to help both clinical and non-clinical laboratories become more prepared for a bioterrorism event or other public health emergency. In fact, STATPack™ systems are expanding to multiple states.

The STATPack system is also applicable for veterinary, food, agriculture, and water laboratories. More information can be found at www.statpack.org.

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SERVER

The STATPack™ system represents an application of the Client/Server computing model.

This is the home page of the Server.

Transmits secure routine MESSAGES and emergency ALERTS of biosecurity from NPHL to labs statewide with notification with attached macroscopic and microscopic digital image.

Provides an inventory of images from each lab for future use.

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