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## **University of South Alabama Selects Cybernet Medical's Internet Database Server System for Remote Patient Data Monitoring**

*University Physicians Can Now Monitor Chronic Disease Outpatients  
Via a Secure Internet Web Site*

**Ann Arbor, MI – May 20, 2002** – Cybernet Medical, a leading developer of biometric monitoring technology and medical devices for outpatient care, today announced that the University of South Alabama Office of Emerging Health Technologies in Mobile has purchased and installed Cybernet's Internet Medical Database Server System for in-home patient data monitoring. Used in conjunction with Cybernet's MedStar™ interface device and data collection server, the Internet database server system establishes a secure Internet web site that enables University of South Alabama Hospital physicians to retrieve and view chronic patient physiological data transmitted from a patients' home over standard phone lines. The physicians can then analyze changes in a patient's condition and make appropriate action recommendations – resulting in fewer patient interventions and emergency hospitalizations.

"We believe that Cybernet's technology represents the "caring edge" best of breed in home-based monitoring tools," says Carl Taylor, director of the Office of Emerging Health Technologies.

"Current national studies show that patients provided with some form of home-based monitoring are hospitalized less, and when they are hospitalized are able to be discharged earlier than unmonitored patients. Not only does the Cybernet system offer appropriate monitoring connectivity using a standard phone line, but its cost-effectiveness and ease-of-use enable us to deploy the system to the most geographically and economically isolated patients who often have difficulty keeping regular check-ups with physicians."

Cybernet's Internet Medical Database Server retrieves digitized physiological data from a data collection device, such as Cybernet's MedStar™ Data Collection Server, and uses it to populate a database. It then formats that information for display via the web. Though the MedStar™ Data Collection Server is capable of interfacing with a number of database server systems, Cybernet's own system offers customers the advantages of NetMAX Internet appliance technology. This open-source backbone technology, which

provides the database system's rock-solid delivery platform, is designed specifically for hosting heavy simultaneous Internet usage – such as numerous outpatient transmissions of physiological data. Other technologies with less robust architectures are limited in the number of simultaneous interactions they can accommodate, resulting in potentially longer transmission times. Cybernet's database server system also offers customers high quality and easy operability at an affordable price.

"Being able to remotely monitor, collect and analyze biometric patient data in a dependable and scalable fashion and make this information available to healthcare providers via secure web technology has the potential to improve patient safety and dignity, and can lead to better outcomes and real time/cost savings," remarks Kenneth Kleinberg, a vice president and research director for research and advisory firm Gartner, Inc. "The healthcare industry has only begun to scratch the surface of this opportunity."

According to Cybernet CEO Chuck Jacobus, "the sale of our Internet database server system to the University of South Alabama shows that organizations are ready to do more than talk about remote data monitoring. It validates the market for user-friendly, cost-effective remote management systems that significantly improve chronic patient outcomes. As long as the statistics keep moving in the right direction, Cybernet Medical will continue to develop and deliver solutions that enable hospitals and health management companies to realize substantial returns on their investments in outpatient monitoring."

### **About the MedStar™ System**

The MedStar interface device and accompanying collection server, together called the MedStar System, is designed to improve in-home patient chronic disease management. Purpose-built for hospitals and disease management companies, the battery-powered and portable MedStar device collects outpatient physiological data from multiple off-the-shelf instruments, such as blood pressure cuffs and weight scales. It then securely transmits the data over a standard phone line to the Cybernet Medical collection server, located at a hospital or disease management facility, for retrieval and analysis. Instead of using a modem that would drain the batteries after a single transmission, the MedStar interface device utilizes a proprietary dialing protocol to transmit digitized data over standard telephone lines to the Cybernet collection server.

### **About Cybernet Medical**

Cybernet Medical is an innovative, technology-based company focused on using state of the art systems to augment the way chronic care patients are monitored and diagnosed. Through

research funded by NASA, National Institutes of Health and Advanced Research Projects Agency (ARPA), Cybernet Medical has developed and patented electronic devices, complex network and server systems, database solutions, and web-based user interfaces for the collection and management of biometric data. Cybernet Medical is a division of Cybernet Systems, a research and development firm based in Ann Arbor, Mich. For more information on Cybernet Medical, visit the company's web site at [www.cybernetmedical.com](http://www.cybernetmedical.com) or call 734-668-2567.

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MedStar™ meets all current, applicable FDA requirements. The current MedStar device is not intended for ECG or pacemaker monitoring, or diabetes management.