

**THE MEDSTAR
MONITORING SYSTEM**



**A Breakthrough
In Technology For
Chronic Disease Management**

CYBERNET MEDICAL™

A Revolution In Home Monitoring For Chronic Disease Patients

For the more than 100 million Americans who suffer from congestive heart failure, diabetes, hypertension, asthma, chronic obstructive pulmonary disease, and other chronic diseases, daily home monitoring is the best way to avoid serious complications that can lead to disability and costly follow-up care. Until now, the only options available were expensive telemedicine services or high-priced, hard-to-use computer-based monitoring systems. Neither of which was readily accessible to most patients.

THE CYBERNET SOLUTION

Recognizing an unmet need, Cybernet Medical took on the challenge of developing an electronic monitoring system for chronic disease management. Our goal: create a self-contained, user-friendly system that is affordable, requires no computer skills, automatically delivers data from multiple input devices, and maintains the highest level of security. The result is MedStar: a breakthrough technology that has transformed chronic disease management by making home monitoring systems more affordable than ever before.

HOW PALSTAR WORKS

The revolutionary PALStar makes communicating subjective answers from patient to health care providers easier than a phone call. Health care providers program the questions they want to ask through the standard MedStar Web interface. These questions are automatically sent to the PALStar.



The patient then uses a simple touch-screen to answer the questions. Answers are sent automatically to the clinician through the MedStar Web System. The PALStar can also be used to send educational information to patients.

HOW MEDSTAR WORKS

The compact MedStar unit collects data directly from the patient's blood pressure cuff, glucose meter, scale, and other input devices.* Next, the collected data is automatically transmitted through a standard phone line. It is then transferred to a Cybernet data collection system.

A screenshot of a web browser displaying a data collection table. The table has columns for Date, Time, and various data points. The data points include numerical values and some are highlighted in red or yellow. The table is titled "May 01, 2004 - May 01, 2004".

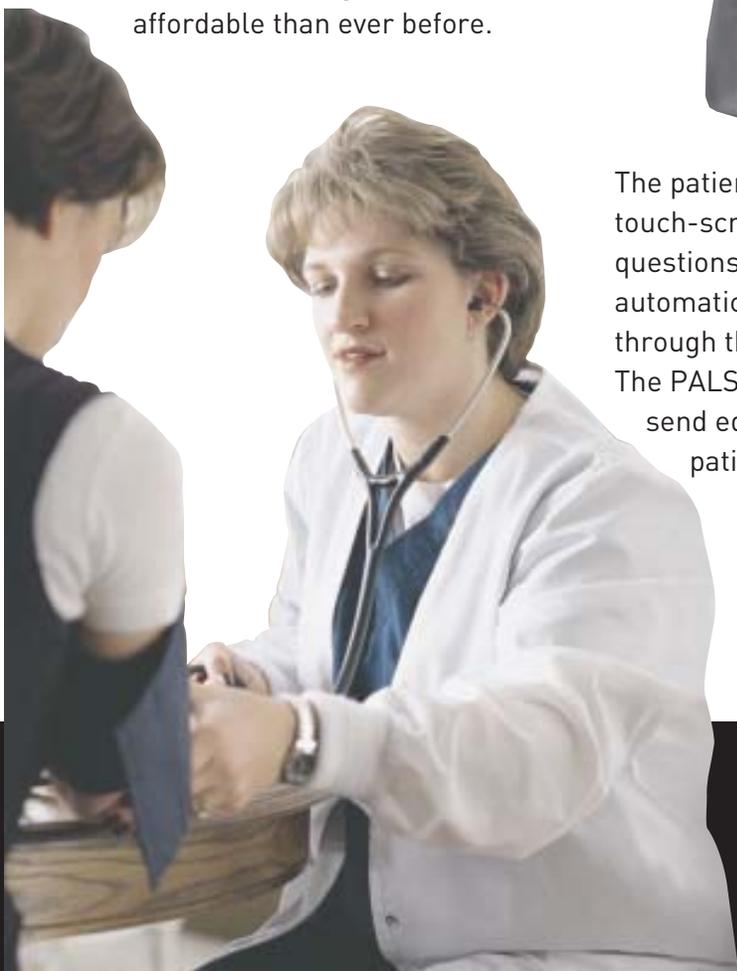
Date	Time	BP	HR	Temp	SpO2	Weight	Glucose	Other
05/01/04	07:30 AM	110/70	72	98.6	95	150	100	
05/01/04	08:00 AM	110/70	72	98.6	95	150	100	
05/01/04	08:30 AM	110/70	72	98.6	95	150	100	
05/01/04	09:00 AM	110/70	72	98.6	95	150	100	
05/01/04	09:30 AM	110/70	72	98.6	95	150	100	
05/01/04	10:00 AM	110/70	72	98.6	95	150	100	
05/01/04	10:30 AM	110/70	72	98.6	95	150	100	
05/01/04	11:00 AM	110/70	72	98.6	95	150	100	
05/01/04	11:30 AM	110/70	72	98.6	95	150	100	
05/01/04	12:00 PM	110/70	72	98.6	95	150	100	
05/01/04	12:30 PM	110/70	72	98.6	95	150	100	
05/01/04	01:00 PM	110/70	72	98.6	95	150	100	
05/01/04	01:30 PM	110/70	72	98.6	95	150	100	
05/01/04	02:00 PM	110/70	72	98.6	95	150	100	
05/01/04	02:30 PM	110/70	72	98.6	95	150	100	
05/01/04	03:00 PM	110/70	72	98.6	95	150	100	
05/01/04	03:30 PM	110/70	72	98.6	95	150	100	
05/01/04	04:00 PM	110/70	72	98.6	95	150	100	
05/01/04	04:30 PM	110/70	72	98.6	95	150	100	
05/01/04	05:00 PM	110/70	72	98.6	95	150	100	
05/01/04	05:30 PM	110/70	72	98.6	95	150	100	
05/01/04	06:00 PM	110/70	72	98.6	95	150	100	
05/01/04	06:30 PM	110/70	72	98.6	95	150	100	
05/01/04	07:00 PM	110/70	72	98.6	95	150	100	
05/01/04	07:30 PM	110/70	72	98.6	95	150	100	
05/01/04	08:00 PM	110/70	72	98.6	95	150	100	
05/01/04	08:30 PM	110/70	72	98.6	95	150	100	
05/01/04	09:00 PM	110/70	72	98.6	95	150	100	
05/01/04	09:30 PM	110/70	72	98.6	95	150	100	
05/01/04	10:00 PM	110/70	72	98.6	95	150	100	
05/01/04	10:30 PM	110/70	72	98.6	95	150	100	
05/01/04	11:00 PM	110/70	72	98.6	95	150	100	
05/01/04	11:30 PM	110/70	72	98.6	95	150	100	

The MedStar offers an ideal way for health care providers to monitor chronically ill patients on a daily basis.

In addition, both MedStar and PALStar are excellent tools for pharmaceutical research companies, since the technology enhances the process of selection, screening, monitoring, and compliance (retention) of patients involved in clinical trials.

THE MISSION OF CYBERNET MEDICAL

To have a positive impact on people's lives and the health care industry by delivering affordable, powerful, simple-to-use products that enable access to critical health care information.



Durable User Friendly Design

LCD for viewing status messages. Small, lightweight, durable design for convenient and long product life.

Built-In Tracking and Security

Each MedStar has a built-in serial number for tracking. Also includes a programmable device and vendor ID to assure maximum data security.

Standard AA Battery Power

Allows unit to be portable and used in any convenient location.



MedStar connects to a standard phone line, dials directly into a collection server at a data management site, and transfers patient data automatically.

Plug-In Ports

Accommodate devices such as blood pressure cuffs, scales, glucose monitors, and other health monitoring devices.

Internal Memory

Allows users to store readings and transmit data at convenient times, thus readily accommodating travel away from home.

The MedStar Patient Unit

BENEFITS FOR PATIENTS, PAYORS AND PROVIDERS

The MedStar System offers impressive advantages for patients, health care payors and disease management providers. Among its many benefits, the system is:

EASY TO USE - No computer skills required, no protocols to remember. Patients simply connect the MedStar unit to as many as four input devices. Data is transmitted automatically through a standard phone line. The PALStar uses a touchscreen for easy use.

CONVENIENT - Patients monitor themselves just as they always have, with no added complexity.

SECURE - The system transmits data safely and securely over private phone lines. The entire system is FDA cleared and HIPAA compliant.

AFFORDABLE - The MedStar System costs significantly less than computer-based monitoring units. Lease and direct-purchase options are available.

ACCURATE - The unit automatically forwards data and records the time and date of all measurements, dramatically reducing the possibility of human error.

CUSTOMIZABLE - MedStar can be easily customized to accommodate a variety of input devices, making it ideal for clinical trials. The PALStar allows clinicians to write their own questions or develop their own clinical protocols.

PORTABLE - Battery power gives users the freedom to travel and the ability to transmit their data from virtually any location.

FLEXIBLE - You decide what data to monitor, the MedStar System provides the tools.

CYBERNET MEDICAL IS COMMITTED TO FOLLOWING APPLICABLE FDA REQUIREMENTS AND IS DEVOTED TO KEEPING A CLEAR LINE OF COMMUNICATION OPEN WITH THE FDA TO ENSURE CONTINUED COMPLIANCE.

**BETTER ACCESS, BETTER DATA,
BETTER HEALTH, BETTER VALUE.**

TO LEARN MORE ABOUT MEDSTAR AND PALSTAR AND THEIR UNIQUE ADVANTAGES, CONTACT CYBERNET MEDICAL.

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BY E-MAIL: INFO@CYBERNETMEDICAL.COM
OR

VISIT OUR WEBSITE: WWW.CYBERNETMEDICAL.COM



The Business of Innovation

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-guided by NASA, National Institutes of Health, and Defense Advanced Research Projects Agency (DARPA) - 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 medical data.

Cybernet Medical is a division of Cybernet Systems, a research and development firm based in Ann Arbor, MI. For more information on Cybernet Medical, visit the company's web site at www.cybernetmedical.com.

Product Specifications

PALStar Specifications		MedStar Specifications	
Size:	3.21" x 5.04" x .71"		4.94" x 2.75" x 1.28"
Weight:	6.9 oz		5.7 oz
Display Size:	3.5" Resolution: 240 x 320		
Display Colors:	16-Bit (64k Colors)		
Battery Life:	Rechargeable Lithium-Ion Battery		2 AA Alkaline Batteries - Approx. 6 mos.
Text:	Font-Size: 18-36		2 Lines by 16 Alphanumeric Characters

Supports

Blood Pressure
Weight
Glucose

Pulse Oximeter
Multiple Patients

Spirometer
ECG

Video Communications
Wound Care

* The 2004 MedStar unit is not intended for pacemaker monitoring.

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