

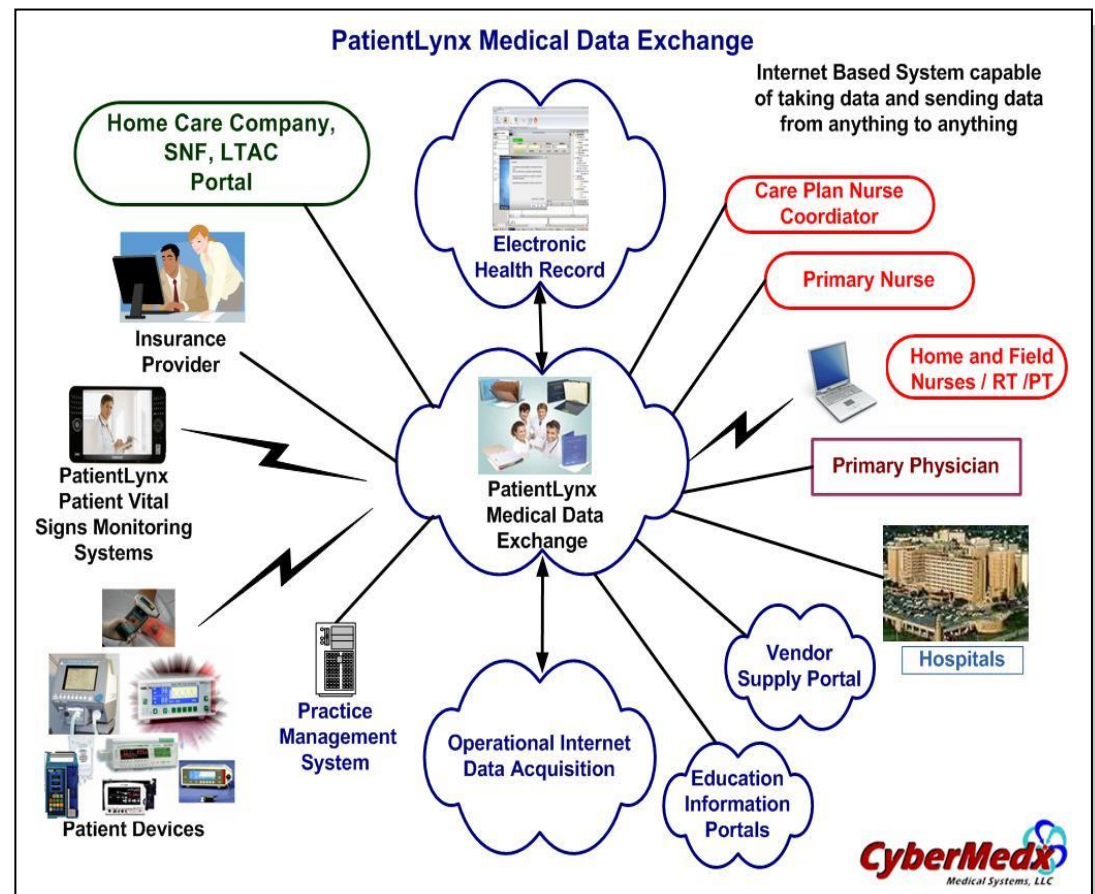
The **PatientLynx Medical Data Exchange (PMDE)** is a HIPAA compliant unique Internet based; license accessed, automated and integrated data management system. PMDE is designed to improve homecare service efficiency through near real-time homecare medical device data access, and device data integration into the electronic health record (EHR), and thereby establishes the standard for data management in the telemonitoring environment.

This Web based system automatically provides near real-time device status management. Each one of the patient devices, regardless of manufacture, is connected to a small wireless data telephony appliance and in turn the appliance is plugged into the patient's telephone or broadband line. The appliance acquires device's system parameter data, and then sends the data over the telephone or broadband line to the PMDE Internet Data Exchange Center. The data center is accessed via Internet by healthcare professionals to retrieve device status, data, reports, and provide direct data input to the CCHIT Certified Electronic Health Record.

The PMDE Concept

The PatientLynx Medical Data Exchange uses the strength of the Internet to empower all aspects of the home care and nursing home market segments to communicate through one integrated system and directly meet the needs of the patients while creating revenue generating opportunities.

- **Physicians:**
PMDE CCHIT Certified EHR with near real-time patient device data management, while creating a telemonitoring revenue stream. This system is then accessed by providers to carry out the needs of the patient
- **Patients:**
PMDE utilizes PatientLynx to provide near real-time device data management to all members of their patient care team.
- **Patient Care Team:**
PMDE's team members to access to critical device data via the Internet to assist, communicate, and manage all patient care functions. Real time "Point of Care" capability,
- **Providers:**
PMDE provides near real-time device data for status operations, location, and customer service functions.



PatientLynx Medical Data Exchange (PMDE)

PMDE PatientLynx Medical Data Exchange

The PatientLynx Medical Data Exchange center collects and manages the parameter data wirelessly transmitted from **PMDE** subscribed devices. In addition to device status information, the data management system provides equipment location, logistic, customer routing, and predictive capability. This data and subsequent report information can then be access via the Internet as a service subscription to customers.

Each customer has unique logon and password identification. This ID is linked to their **PMDE** device identifier. Encrypted data maintains customer and patient confidentially. Internet access only, no special hardware or software required.



PMDE PatientLynx Patient Monitoring System

PatientLynx: Patient monitoring devices combined with medical device peripherals allows you to build a targeted solution for individual vital signs needs.



PatientLynx utilizes a tablet PC or "Blackberry" to provide wireless vital sign monitoring with real-time video/audio capability. This data is transmitted through the Internet to our EHR providing "Point of Care" capability to the entire patient care team.



PMDE PatientLynx Device Interface System

Vital Sign Monitoring:



- o Blood Pressure
- o Pulse Oximetry



- o Glucometry
- o Weight Scale



- o Spirometry
- o Video / Audio Communication
- o Ventilator, CPAP Interface



- o IV Pump
- o **Wound Care:** Digital Wound Care and Management Protocols



- o **LOX:** LOX-Stat: Digital liquid O₂ tank gauge, displays accurate contents / battery status data.

PMDE Electronic Health Record

The CCHIT Certified Electronic Health Record (EHR) was designed and developed by physicians.

The EHR is built on a dynamic workflow management engine that enables providers to improve the quality of care and increase practice productivity through the rapid and accurate charting of patient encounters.

The EHR is coupled to the PatientLynx Medical Data Exchange near real-time data from patient devices is automatically posted to the EHR.

