



Smart Card Platform Features

Patient Access System Features

The fully integrated LifeMed™ desktop software gives the hospital admissions staff the ability to read, write, update, store, and synchronize data from the legacy ADT software to and from the smart card in a bi-directional fashion.

Data Set:

Patient Demographics

- ✚ Name, Address, SSN, HUN
- ✚ Insurance Data
- ✚ Guarantor Data
- ✚ Advance Directives (URL pointer)
- ✚ Emergency Contacts

Continuity of Care Information

- ✚ Medications (type, amount, timing)
- ✚ Allergies (medical, non-medical)
- ✚ Conditions
- ✚ Past Procedures
- ✚ Physicians

- ✚ Previous visits are time-and-date stamped for each individual data field (demographics, medical information, physicians' notes, etc.)
- ✚ Notes / Journal Entries (from patients and healthcare providers)
- ✚ File upload & storage (registration forms, photos, signatures, insurance cards)

Authentication

- ✚ PIN (random issue or chosen)
- ✚ Administration cards required for system access, creating complete user audit log

Work Flow & Processes

- ✚ Medicare qualifications entry and review (per federal requirements)
- ✚ Automated Workers' Comp questionnaire (processed separately from other insurance)
- ✚ Automated time-based review of patient data (data-stamping to ensure current content)
- ✚ Real-time synchronization with hospital software (LifeMed™ ↔ Hospital)
- ✚ User Maintenance (logins, passwords, security attributes designation)
- ✚ Reports and Audit logs by card, user, computer, time (exceeding HIPAA standards)

Smart Card Features

Utilizing smart cards' inherent strengths of portability and security, the LifeMed™ platform is developed to allow maximum flexibility in terms of data access and storage, while being optimized for maximum work flow efficiencies.

- ✦ Read/Write LifeMed™ card at hospital
- ✦ Import and create LifeMed™ card from hospital ADT database
- ✦ Import and create LifeMed™ card from Internet database(s) (ePHR) and EMRs
- ✦ Read LifeMed™ card from handheld mobile device
- ✦ Customize graphics to maximize hospital's marketing impact on card
- ✦ Print LifeMed™ card in real-time as part of admissions process
- ✦ Print LifeMed™ card in bulk from database
- ✦ 128 bit encryption using advanced on-board microprocessor capabilities

Internet Capabilities

Being able to draw in information from outside sources is key in developing a more complete patient record, as well as embracing the tenets of a **Continuity of Care Record**. The LifeMed™ platform has the ability to gather, verify, parse, and transition data over the Internet, from a ePHR/EMR, or a provider, and move (where appropriate) into a hospital's database.

- ✦ Patient pre-registration
- ✦ Patient authentication (PIN, challenge question)
- ✦ Patient data editing (editing rules by specific data fields)
- ✦ Data gathering (polling known data sites, e.g. Microsoft HealthVault)
- ✦ Data evaluation (accept, reject, validate)
- ✦ Import through LifeMed™ into ADT database (via HL7 mapping)
- ✦ Real-time tri-lateral synchronization between Internet, LifeMed™, and hospital

Kiosk

Kiosks are typically used by patients to register themselves at the hospital, eliminating the admissions encounter altogether.

- ✦ User authentication
- ✦ Visit determination (e.g. patient visit)
- ✦ Automated registration
- ✦ Data editing
- ✦ Real-time synchronization between kiosk ↔ ADT software

Upgrade Features

- ✦ Advance Directives scanned and stored (as .pdf)
- ✦ Customized registration forms
- ✦ Import of patient-supplied data for pre-registration process (into ADT software)
- ✦ Biometric authentication
- ✦ Digital Signatures for authentication
- ✦ Strong authentication and Single Sign On capabilities for Internet usage
- ✦ Wireless transmission capabilities for handheld device
- ✦ Patient registration screens at kiosk
- ✦ Biometric as authentication at kiosk
- ✦ Incorporation of digital signature pad at kiosk
- ✦ Patient flow processes at kiosk



6349 Auburn Blvd. • Citrus Heights, CA 95621
Toll Free: 1-888-550-6550 • Fax: 916-677-8420
info@lifemedID.com • www.lifemedID.com

© 2009, S.M.A.R.T. Association, Inc. All Rights Reserved.