Standards Based RFID information processing solutions with lower costs, higher interoperability and stronger security

Aventyn™

Clinical Information Processing Platform™

RFID solutions for delivering efficient, high quality healthcare

Healthcare industry supply management inefficiencies and lack of technology standards drives up costs

The healthcare industry is experiencing inefficient medical supply management due to the use of multiple proprietary systems and a lack of technology standards. Use of paper forms add to significant patient and medication administration errors in hospitals. Instant availability of critical clinical information that can increase patient safety and care quality largely remains a persistent problem that needs to be solved.

The healthcare industry is one of the last industries to realize the full potential of global IT to increase productivity to compete cost-effectively.

These problems contribute directly to the exponential rise of care delivery costs, impact patient safety and reduce overall care quality.

> Dr. Brailer M.D., Ph.D., the National Coordinator for Health Information Technology within the Department of Health and Human Services, in a recent address said, "A recent study showed that clinical information is frequently unavailable in primary care, and that this missing information can be harmful to patients. That study also showed that clinical information was less likely to be missing in practices that had electronic health records. This adds to the substantial evidence that health IT -such as computer-physician order entry, ePrescribing, preventative reminders, and bar code scanning to name a few -improves care, reduces wasteful and redundant treatments, and prevents medical errors. Little doubt remains about the health status benefits of health IT."

Innovative clinical information processing for healthcare

What if healthcare providers within a hospital infrastructure could dynamically locate, identify and verify medical equipment? This would ensure life saving equipment is available during critical situations.

The CLIP **AssetLIVE** RFID-enabled application for location, identification and verification of assets help secure expensive medical equipment, lower theft, improve patient care and reduce administrative costs.

What if physicians and patients had immediate access to portable, interoperable health information? This would ensure improved patient safety, medication administration and reduced adverse drug effects.

The CLIP **Personal Health Manager** application for instant availability of portable personal health records made available through the use of RFID wristbands and smartcards. This enables approved care providers identify and access patient health data anytime, anywhere, anyplace to improve care delivery and ensure patient safety. Portable health record empowers patients to create and manage wellness and personal health programs by easily accessing and managing their own general health information.

What if there existed a comprehensive knowledgebase of up to date clinical information? This would ensure physicians, patients, providers and researchers have access to information on adverse drug effects, disease management and personal health management.

The CLIP **Clinical Information Knowledgebase** provides an innovative secure clinical information knowledgebase to enable standard clinical information management models by relating clinical information to personal health information. This enables availability of clinical information spanning several multi-disciplinary practice areas to the rules engine and work flow model in CLIP to analyze and assist in disease and personal health management.

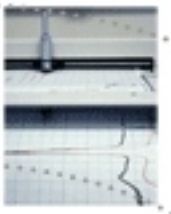
Modular architecture for clinical information processing

Flexible implementation of CLIP solutions at the application level is possible due to the innovative modular architecture framework. Modularity allows several components within CLIP to be modified, tested and validated independently. Application interfaces are provided for coupling, decoupling hardware, software, data management and communication layers, back-end applications and services.

Many healthcare providers can benefit by deploying CLIP that help them lower cost, enable clinical information interoperability and secure medical assets.

CLIP™ is built on the cornerstones of Interoperability, security, scalability and high-availability

Real time Asset Tracking



Clinical asset Location, Verification and Identification

- Improved patient care, secure expensive medical equipment and reduced administrative cost.

Interoperable Health Record

Portable Personal Health Record

- Locate and remotely monitor correct patient, history and medication. Improved patient safety, drug disposal and personal well being.

Clinical Information Model

Knowledgebase of Clinical Asset and Health Information

- Enables a dynamic, secure Clinical Information management model for access by providers, patients and payers.

Features

- Innovative ehealthXML™ technology for clinical information processing
- Modular architecture based approach
- EPCglobal, ISO, GS1, W3C and HL7 standards based for interoperability
- Supports security and privacy
- Supports multiple data formats ASCII, XML, JDBC
- Scalable across server, mobile notebook and handheld platform
- Support for multiple wired and wireless communication protocols
- Provides multiple application programming interfaces for enterprise integration

Available Now

About Aventyn, Inc:

Aventyn is the first company to develop an innovative RFID, wireless sensor platform solution for clinical processing using its unique ehealthXML™ technology. Using this technology, Aventyn develops and sells its standards based **Clinical Information Processing Platform™** Solution for the Healthcare industry that is deployed at Healthcare Providers, Medical Device Manufactures and System Integrators to secure and track clinical assets and resources. CLIP delivers a solution to the Healthcare industry for Asset Management, Personal Health Management and a Clinical Information Knowledgebase for health and disease management.

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