



A Breakthrough in Healthcare

The Siemens Patient Health Card Solution

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With the introduction of the secure Siemens Patient Health Card solution, healthcare is poised for an evolutionary leap in secure information transport, and enhanced workflow. In a field where immediate information can radically impact patient outcomes, workflow effectiveness, and operational efficiency, the innovative Siemens Patient Health Card solution enhances information transparency for patients, physicians, and other service providers.

A proven, real-world solution, the Siemens Patient Health Card enables portability and instant accessibility of medical, demographic, and insurance information. The security features of the chip-embedded smart cards help to ensure that only authorized users can access this data. Patient identification and authentication is also improved, which can help to speed claims processing, and may potentially reduce fraud and duplicate tests.



- Demographic Information
(Name, DOB, Gender, Contact Info)
- Insurance Details
(Payer, Subscriber, Subscriber ID)
- Procedures, Tests, and Results
- EKGs
- Problems
- Allergies and Alerts
- Medical History
- Medications and Immunizations
- Consultations

evolution



Are You at Risk?

Poor access to information is one of the leading causes of medical errors, claim denials, and lost revenue. According to the National Academy of Sciences' Institute of Medicine, as many as 98,000 people die each year due to medical errors. And, medical identity theft can compound the problem, resulting in incorrect clinical assessments and treatments as well as insurance fraud. The World Privacy Forum, a nonprofit, non-partisan organization, estimates that more than 250,000 Americans have had their medical information stolen and misused in recent years.

Registration errors that result in claim denials can cost healthcare facilities millions of dollars a year. The availability of accurate medical, demographic, and insurance coverage information is vital to quality of care, operational efficiency, and profitability.

Potentially Reduce Lost Revenue

Patient Health Cards are highly portable, secure storage devices that provide patient identification, electronic retrieval, storage, and display of critical medical and demographic data, and communication functions for healthcare information. The size of a credit card, the chip-embedded, photo identification card not only provides an electronic medical record summary but also insurance and demographic information that can help to speed claims processing and may reduce the number of denied and fraudulent claims.

During registration, the patient inserts the Patient Health Card into a card reader and enters a private, personal identification number (PIN) to allow the healthcare facility to access the patient's information such as chronic diseases, allergies, current medications, lab results, medical histories, and insurance coverage — thus limiting clinical and financial risks due to lack of information. The portability of the cards allows patients to be tracked through a complete course of treatment, even across organizations. As a result, the patient experience is likely to be improved, continuity of care maintained, and patient-to-health-system loyalty increased.

productivity

Enhance Productivity and Workflow

By supporting every phase in the healthcare workflow, the Patient Health Card Solution improves employee productivity. During registration and scheduling, it may reduce administrative workload and errors, and provides strong patient identification, helping to limit claim denials and lost revenue. The card, with its reliable protection of sensitive patient data, can help with compliance to mandatory regulations such as HIPAA.

During emergent diagnosis and treatment, the medical staff has immediate access to critical information that could possibly impact treatment decisions and/or reduce the number of tests and procedures, saving time and resources, and simultaneously remaining compliant with HIPAA privacy regulations. In these critical moments, complete patient information can improve the speed and accuracy of diagnosis and potentially result in better outcomes.

Access to patient information during non-emergent care also enables continuity of care across different providers and reduces the likelihood of performing redundant tests and/or procedures. The direct availability of detailed medical data can reduce the time a physician may need to consult with a patient, resulting in improved operational efficiency.

Finally, upon discharge and follow-up, the Patient Health Card Solution ensures that the patient's latest ongoing medical history is instantly available for subsequent visits. This is particularly important in establishing a reliable base line for treatment of geriatric and chronic disease patients. As a result, discontinuity and adverse event errors are likely to be minimized.

Your Proven, Assured Solution

Based on security and medical standards such as HL7 and Continuity of Care Record (CCR), the Patient Health Card Solution uniquely integrates highly secure smart card encrypted information storage with a comprehensive set of HIS applications. The solution is scalable to meet your evolving needs, delivers a flexible architecture to leverage existing infrastructures, and helps protect your investment by facilitating future functionality and integration. The solution also supports multiple sources of data and multiple information systems. It works on standard computers used by clinicians to minimize hardware requirements and training.

Siemens Identity Solutions Portfolio powers some of the most demanding environments in the world. Backed by a long history of successful patient smart card deployments, Siemens provides a comprehensive identity management solution suite.

New York: One of the Largest US Patient Health Card Deployments

Siemens formed a strategic alliance with the Mount Sinai Medical Center to deploy up to 1.2 million Patient Health Cards and link as many as 45 medical facilities in the New York metro area. The initiative, said to potentially be the largest smart-card deployment in the US, will create a regional health network that provides accurate, secure, and reliable patient information.

“With Siemens, we are working with one of the world’s best technology leaders to help improve patient care and provide hospitals with more readily accessible information in a secure and portable format.”

Kenneth L. Davis, MD
President and CEO of the Mount Sinai Medical Center



Lombardy, Italy: Nine Million Patient Health Cards Unite a Region

In response to enthusiastic patient support, more than half of the nine million Patient Health Cards were rolled out one year earlier than planned in the Italian region of Lombardy. The card helps improve the medical care workflow provided to area residents while reducing the burden on Lombardian administrative agencies. Healthcare providers can now better manage patients' prescriptions, office visits, and treatment histories. Many tasks are now accomplished faster, planned easier, and cost less.

"The solution that Siemens proposed was based on a new health card system. In a very short time, we saw that this solution was stable and, most importantly, worked efficiently in real time. The technology is smart card-based and helps provide a high level of privacy and security."

Dr. Marcello Barone
Chairman Lombardia Informatica





The Siemens Advantage

As your partner in healthcare security, Siemens converges cross-industry knowledge to offer single-sourced, end-to-end solutions — advantages — that enable you to achieve the efficiencies you need to minimize risk, improve outcomes, and reduce costs.

This is the Siemens Advantage.

- Comprehensive Solution Suite – Siemens provides a complete security offering, including consulting, products, and professional services
- Designed for real-world, heterogeneous environments; supporting open standards and multiple operating environments
- Expertise in security and identity management skills and global smart card implementation
- Integration skills with hospital information systems and alignment with Regional Health Information Organizations (RHIO), National Health Infrastructure Initiatives (NHII), and Electronic Health Records (EHR) portability solutions
- Experienced in large-scale deployments that lead to speed-to-efficiency gains
- Ease-of-use features that improve operational and workflow efficiency
- Exceptional resources provide global services and support, and ongoing R&D – a true partner invested in your success

expertise

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