

Care360™ EHR with Data Exchange: A Technology Overview

Flexibility. Interoperability. Scalability.

Care360 EHR with Data Exchange offers practical data management, leading industry practices, and easy implementation to connect your network.

As an information technology professional, you understand that your investments in IT infrastructure must drive toward your organization's overall business goals. You balance critical priorities as you evaluate health IT options. At MedPlus®, we offer a practical and robust solution for connecting your hospital to ambulatory physicians – Care360 EHR with Data Exchange.

- Enjoy easy and widespread access with a web-based, Software as a Service (SaaS) model EHR with data exchange; your users need only an Internet connection and a web browser to get connected.
- Experience maximum interoperability to acute and third-party EHRs as well as built-in utilization of Direct Project protocols within Care360 EHR, one of the first EHRs to do so.
- Improve outcomes with evidence-based clinical decision support, powered by Anvita Health™, an industry leader in analytics and healthcare insights, and the clinical data and experience of Quest Diagnostics®.
- Drive referral business through secure clinical transactions, including e-referrals, discharge summaries, lab results, and radiology results among physicians, specialists, and the hospital.
- Eliminate a lengthy implementation with intuitive interfaces, quick access and flexible training. Most physicians are comfortable using the software in less than 30 days.

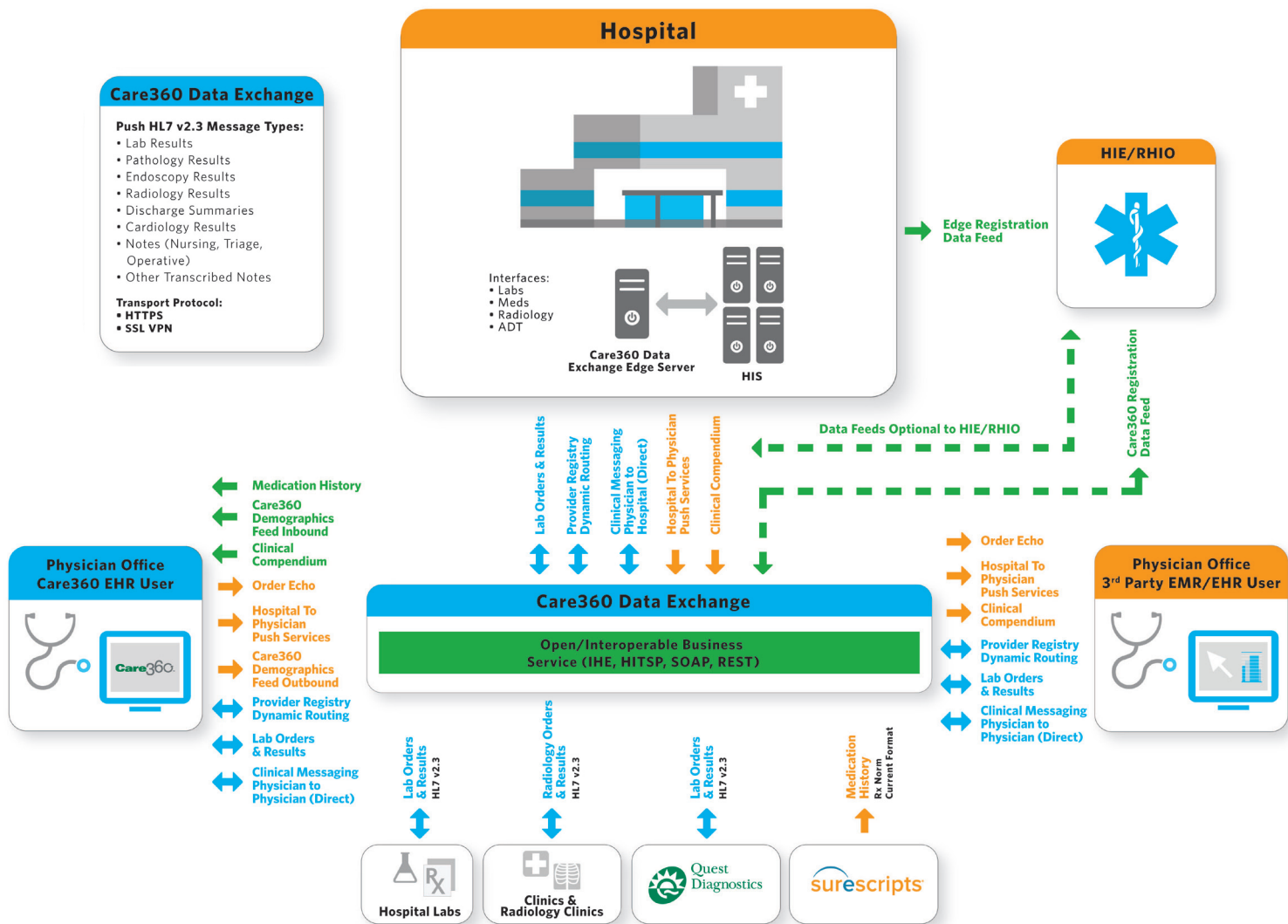


Together, Care360 EHR with Data Exchange addresses your business priorities and solves the technological challenges facing hospitals, while increasing revenues and market share.

“I have been amazed at how simple and straight-forward Care360 EHR really is to use and its one-step-at-a-time approach for those of us who have limited computer knowledge.”

Bart Alfano, MD, President
MetroWest Healthcare Alliance
Greater Boston Metropolitan Area

Care360™ EHR with Data Exchange: Connecting to Your Clinical Partners



Technology Architecture

Interoperability

- HL7 RIM Data Model
- Direct Project (Care360 is one of the first EHRs to do so)
 - HITSP Compliant
 - Continuity of Care Document (CCD)
 - ONC Standards
 - X12 Standards
 - Terminology Mapping
- HIE Connectivity
 - IHE XCA Profiles
 - PIX Integration Profile
 - PDQ Integration Profile
- More than 100 interfaces to third-party EHR/EMRs

Reliability

- Web services SOA
- XML-based
- CMS Quality Reporting Standards
- ePrescribing
- Greater than 98% uptime
- One million transactions per day
- Fully redundant software and hardware environments for 24/7 continuity
- Daily backups
- Optional federated architecture model with Edge Servers

Security

- HIPAA Compliant
- SAS70 Certified
- HTTPS Protocol
- SSL Design Architecture
- LDAP Authentication
- Digital Signature
- Secure Single Sign-on
- User Profiles
- Secure VPN
- TLS Connections
- MLLP Components
- 128-bit Minimum Secure Encryption

Care360™ EHR: Complementing Practice Workflows

- Uses an intuitive user interface that builds on the Care360 Labs & Meds platform, which is accessed by one-third of all U.S. physician practices.
- Empowers physicians to securely message other Care360 and non-Care360 physicians, and uses a National Provider Registry to enable dynamic look-up of physicians for messaging.
- Offers the ability to immediately access data history without data entry or import for physicians currently using Care360 Labs & Meds.
- Assists practice staff in recording patient privacy consents and enforcing privacy controls, by allowing physicians to mark results for privacy needs and add alerts to observe privacy practices. Consent controls are supported both within the office and for any participating HIE.
- Employs user profiles to grant permissions to physicians, nurses, and administrators, allowing appropriate access for each role in a practice and applying privacy controls to sensitive data.
- Provides dashboards and summaries showing recent practice activity, including orders status and recently received results.
- Performs drug interaction and allergy checking across a patient's active medications and medication history.
- Manages patient demographics and insurance information and interfaces with many practice management software applications.
- Interfaces with more than 350 Practice Management Systems (PMS) for basic demographics, scheduling and diagnosis information, demonstrated by more than 10,000 implementations.
- Integrates with popular PHRs, including Google® Health, Keas® and Microsoft® HealthVault™.
- Supports comprehensive clinical documentation to assist in appropriate reimbursement.

Care360 Data Exchange: Optimizing the Transfer of Diverse Data Types

- Utilizes Web and Provisioning Services to set rules for clinical transactions, such as the routing of orders from ambulatory physicians to the lab within the hospital, and the delivery of test results and transmission of hospital discharge summaries back to them.
- Allows hospitals that desire more control of data to utilize a hybrid federated architecture; store data centrally through MedPlus® or control data onsite and connect locally with deployed Edge Servers.
- Ensures 24/7 business continuity and reliability with fully redundant software and hardware environments.
- Supports HL7, XML, IHE, Binary Files, Continuity of Care Documents (CCD) and RxNorm formats and protocols to communicate with multiple stakeholders in your network, including ambulatory physicians, labs, payers, public health registries, health information exchanges, PHRs, and hospital internal systems.
- Adheres to Cross-Community Access (XCA) and Integrating the Health Enterprise (IHE) standards for optimal interoperability, including Patient Identifier Cross Referencing (PIX) Integration Profiles for matching patient data properly across multiple care settings.
- Employs structured header information about a patient's identity and demographics to manage, organize, and sort scanned documents, allowing for content in the health record to be in a variety of formats.
- Provides nationwide interoperability and delivery of clinical data to more than 100 acute and ambulatory EHRs and leading PHRs for communication, data sharing and decision-making.

Meaningful Use ONC-ATCB Certified

This Complete EHR is 2011/2012 compliant and has been certified by, the Certification Commission for Health Information Technology (CCHIT®), an ONC-ATCB, in accordance with the applicable certification criteria for eligible providers adopted by the Secretary of Health and Human Services. This certification does not represent an endorsement by the U.S. Department of Health and Human Services or guarantee the receipt of incentive payments. Quality measures certified are all 44 Eligible Provider measures.



Date Certified: March 31, 2011. Product version: 2011.2. Certification number: CC-1112-936980-1.

connect



Software as a Service (SaaS)

When you subscribe to Care360™ EHR with Data Exchange, you experience the most cost-effective solution for your hospital and affiliated ambulatory physicians. This cloud-based software makes collaboration and aggregation easier, securing your data across the network in a single virtual location.

- **Save time.** With SaaS, you can avoid time-intensive installations and lengthy deployments. Flexible training options are available, including train-the-trainer, online, and on-site. You're not limited to gradual on-boarding by your stretched IT staff.
- **Save money.** Avoid up-front investments in servers and other hardware and experience true scalability in a cost-per-user subscription environment.
- **Improve access.** Users can access data anywhere, anytime they have Internet access, including using mobile Care360 apps for iPhone®, iPad® and smartphones.
- **Stay current.** Gain immediate access to the latest innovations from MedPlus® via a single instance of the software. Updates and new alerts become a part of the program in real time.
- **Connect with other users.** Experience the benefits of product updates and best practices suggested by other users. MedPlus' software designers utilize feedback from the Care360 Connect user group forum to plan product improvements and rollouts.
- **Join a network.** Utilize Direct Project protocols to enable physicians to securely message any other physician, regardless of location, system or EHR vendor, and give them the ability to integrate with PHRs.

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Terminology Translation Improves Patient Care

Care360 EHR with Data Exchange utilizes Health Language, Inc.® (HLI) to provide accurate terminology mapping between medical nomenclatures and coding systems. This offers an opportunity to improve health care by providing consistency across all providers, enabling collaboration, reducing errors, and supporting appropriate reimbursement.

- Identify gaps in care through communication of clinical information into code sets that can be identified by the clinical decision support tool.
- Provide a comprehensive clinical record using standard code sets to electronically share with other healthcare providers and to support reimbursement claims.
- Report accurately by translating into standard code sets required for CMS Quality Measures and Public Reporting.
- Increase patient privacy by using code sets to identify and protect sensitive data.

Integrated Coding Systems Include:

- Code sets: SNOMED CT and CM, ICD-9 CM; ICD-10, CPT 4, MS-DRG, HCPCS.
- Labs: LOINC, local and pseudo-LOINC.
- Medication: RxNorm, NDC, First DataBank, Multum, Medi-Span.

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