



Interoperability Services

Elysium[®] EdgeServer | Elysium[®] Interoperability Hub



Axolotl's advanced interoperability services enable physicians, hospitals, payers, labs, imaging centers—entire communities and complete States—to securely communicate, collaborate and share clinical information, greatly improving the timeliness and safety of patient care. By bringing together information from the disparate systems of these diverse stakeholders, Axolotl seamlessly provides unprecedented clinical information exchange for its users.

Elysium® EdgeServer

Exchange—It's About Connecting

Accurate, real-time delivery of results is paramount to the success of an Exchange. With Elysium EdgeServer hospitals, labs and other organizations can immediately connect to their physicians and automatically distribute clinical information from their existing legacy systems. Patient data such as lab results, radiology reports, discharge summaries and patient registration data are delivered to physician office EMRs, extended care facilities and public health departments instantly and securely, without compromising patient privacy.

Elysium EdgeServer works with legacy systems, preserving current IT infrastructure investments. Using one or more data feeds from an existing interface engine or other data source, the EdgeServer performs a number of useful functions, including data translation and standardization, provider lookup, and message routing according to provider preference. Elysium EdgeServer is a single gateway to ambulatory care, avoiding the need for expensive and time intensive point-to-point connections to affiliated and independent physicians. All authorized physicians instantly receive information in a way that works with their workflow—directly into Elysium EMR or any CCHIT certified EHR, to a fax machine and even to a printer.

Exchange—It's About Caring

Sitting on the “edge” of an organization's network, physically or virtually behind the firewall, the EdgeServer creates and maintains a clinical data repository. Data is automatically pushed to EMRs or upon query, allows authorized physicians on the hospital, regional, state or National Health Information Network (NHIN) to view patient information from the EdgeServer, at

the time of care. Not only do EdgeServers protect and isolate existing facility systems from these queries, but they act as a backup of all patient data, reducing the risk for mission critical system failure.

Elysium EdgeServer uses national interoperability standards and provides the technology needed to quickly connect an organization to its referring physicians and to provide data to queries that come through the Exchange. EdgeServer activity is fully recorded in comprehensive logs, showing complete audit trails for all clinical data access and delivery.

Elysium® Interoperability Hub

Exchange—It's About Collaborating

Physicians are selecting Electronic Medical Record (EMR) systems that best fit the needs of their practices. Currently, patient records in these EMRs remain in practice-based silos, populated only by the practice and accessible only within the practice or medical group. Axolotl's Elysium Interoperability Hub (I-Hub™) connects disparate EMR systems, Clinically Networking™ them within a community, region or statewide HIE to enable complete interoperability and full collaboration on patient care.

Without modifications to current EMRs, or costly point-to-point interfaces, small and large physician practices can easily participate in a HIE. CCHIT certified EMR systems can immediately connect and receive clinical information from hospitals, labs, radiology centers and other business partners. And they can send information such as referrals, consults, etc. to other providers—no more faxing, phone calls and other time consuming activities.

Elysium I-Hub is a clinical transaction processing engine. Inbound messages are transformed to outbound messages that meet the requirements of the EMR recipient. The recipient of a transaction may be an Elysium EMR user, a third-party EMR user, or an HIE participant that only has a fax. With Elysium I-Hub, ambulatory health care is connected and communication and collaboration on patient care is instant.

Exchange—It's About Flexibility

Elysium I-Hub is one solution for all interoperability requirements. The exchange of information can be a one-way “push” to authorized recipients, for example labs, hospitals and radiology departments delivering clinical information; a “pull” or query of information from Axolotl's Virtual Health Record (VHR), a browser based clinical presentation tool, or eventually the NHIN; or a bidirectional exchange of messages from one health care provider to another.

Elysium I-Hub is a combination of databases and processing agents that provides all disparate systems with both “push” and “pull” services. These databases receive, translate, append, and exchange all clinical data, including results, orders and authorizations using a vast number of information standards, including HL7 v2.2+, HL7 v3, CDA, CCR, and CCD.

For “pull” or query requests, I-Hub provides a repository of all data that an EMR practice chooses to exchange. Provided that a patient and practice elect to share data with the exchange, I-Hub repositories retain that data for future query. Physicians have complete control of what data is shared.

Exchange—It's About Time!

Health Information Exchange is no longer an option, it is the foundation necessary to support the meaningful use of health information technology. Patient information needs to be available when and where it is needed, to improve the timeliness and safety of patient care while reducing the cost. Axolotl's Interoperability solutions easily connect disparate systems, provide data in a format that meets the user's needs—cost effectively and with minimal administrative attention. Health Information Exchange is about connecting, it's about care, it's about collaborating with flexible solutions, and it's about time!