

HealthCare Information Exchange System

Overview:

A HealthCare Information Exchange Solution is required that will transform healthcare enterprises and increase quality of care by enabling new ecosystems—and new business models—to evolve. The system should enable sharing of clinical information in a trusted, secure & consensual manner within an organization, with healthcare partners, payers, and most importantly, with patients.

Current Challenges:

- Disparate record-keeping systems mean that records of patient consent and medical history can be incomplete, conflicting or ambiguous
- Clinical trial management generates mountains of data, and requires administrators to keep reliable, consistent records for peer review and to meet regulatory requirements
- Quantifying the worth of medical care is difficult, and accounting for the real costs of all aspects of healthcare can frustrate providers and patients alike. New regulatory requirements address data privacy, security and open up competitors

Business Requirements

- A record management system is needed that can be used to provide complete longitudinal health records for individuals, giving all patients more control over their own information through verifiable consent (Aadhar Linking).
- Every patient's records should reflect the best-known medical facts— from genomics data to diagnostic medical imaging—and can be reliably transferred when needed, with no need for a central gatekeeper.
- The Record management system, in concert with electronic data capture (EDC), can allow clinical data to be automatically aggregated, replicated and distributed among researchers and practitioners— with greater auditability, provenance tracking and control than complicated, conventional systems.
- Should have options of anonymized data access to encourage financing the solution.
- Outcome-based contracts which tie clinical outcomes to costs, so providers ranging from pharmacies to hospitals can offer healthcare to consumers with a fee-for-value model instead of fee-for-services and reduce the complexity of records. Real-time atomic clearing and settlement.