Strategic Interoperability

Bringing the Healthcare Puzzle Together
Healthcare Buyers Seek Breakthrough Solutions
Better Care, Improved Patient Safety, Better Managed Costs

Increased Care Demands
More Costly Treatments

New/ Changing
Reimbursement Models

More and more, ever-changing standards

Powerful coordinated care solutions drive breakthroughs in healthcare
Strategic interoperability is critical for these solutions
The Solution Is Data, But Data Can Be the Problem
Better Care, Improved Patient Safety, BetterManaged Costs

Data access alone does not yield a breakthrough
Strategic interoperability unlocks the value of shared data
Strategic Interoperability…

…is the way to obtain a coordinated patient care service that will:

• Reduce the risk of medical errors and improve the care service quality
• Achieve a cost-effectiveness service, including the treatment of chronic pathologies
The Breakthrough Dimension

- Capture
  - The Foundation Dimension
- Share
- Understand
- Act
- Payback

System Capabilities

The Breakthrough Dimension
Strategic Interoperability Benefits

**Partners and Providers**
Laboratories, radio diagnostic

**Professionals**
Hospitals, clinics, doctors

**Communities**
Citizens, PHR, patient engagement

**Other organizations**
Insurance co., HIE networks, national EHR
Breakthrough Strategic Interoperability

Proven Technology  Healthcare Expertise  Partnership, Excellence & Support

Strategic interoperability is the bedrock of healthcare breakthrough solutions

InterSystems
Breakthrough Platform
Strategic Interoperability with InterSystems
Strategic Interoperability
Bringing the Healthcare Puzzle Together
SACYL Regional EHR

Challenges

• Provide a regional EHR based on standards and accessible to patients and authorized professionals regardless of time or location to improve patient outcomes
• Improve both the care service and the population healthcare management through the active analysis of all the clinical information
• Build a clinical data repository to simplify the access to the existing clinical information

Failure to Act

• Put on the professional’s desk all the needed clinical information of a patient
• Get a more cost-effectiveness process for diagnostics and examinations and avoid repeating already existing tests
• Share patient’s health record with other healthcare organizations
SACYL Regional EHR

What We Did

• Positioned InterSystems as a reliable technological partner focus on providing excellent solutions and an outstanding support
• Show that we could go beyond their urgent need (replace Mirth to implement new integrations) and work along with them to establish their Interoperability Strategy
• HealthShare as a breakthrough technology, with reliable capabilities, scalable, and interoperable with existing healthcare systems. This was positioned as ideal for exchanging patient information

Conclusions

• Normalize, access and share all the clinical data of a patient
• InterSystems will work with the healthcare organization right from the 1st. stage (capture) to the last stage (act) of a healthcare project
• The outcomes for implementing an interoperability strategy will be the improvement of the patient care service and a more cost-effectiveness service
Use Cases

You’ll make breakthroughs

Return
CeHIS – Centre for eHealth in Sweden

Challenges
• Provide a national solution to improve patient safety, quality and economy of care
• Make the massive amount of vital clinical information in existing clinical systems securely accessible online to care providers, across organizational borders, regardless of time or location to improve patient outcomes

Failure to Act
• Continue with repetitive diagnostics and examinations that are costly, time consuming, and present a bad (even painful) patient experience
• Risk ineffective or even harmful clinical decisions
CeHIS – Centre for eHealth in Sweden

What We Did
• Positioned InterSystems HealthShare as a breakthrough technology, with reliable capabilities, scalable, and interoperable with existing healthcare systems. This was positioned as ideal for exchanging patient information
• Agree the urgent information types for sharing nationally

Conclusion
• Proper use of the NPÖ gives care providers and patients greater confidence in the care knowing that during subsequent encounters the patient’s medical history is viewable or flagged as available in other systems, independent of care provider or setting.
Use Cases

Return
OneHealth

Coordinated Public-Private Care Service

Challenges

• Guarantee the patient’s care safety when they are derived from a public healthcare facility to a private one
• Share clinical information among public and private healthcare organizations
• Convince the public healthcare service to support the service offered by OneHealth to be contracted by private clinics and hospitals

Failure to Act

• Put on the professional’s desk all the needed clinical information of a patient
• Public healthcare organizations: improve the outcomes for sending patients to private clinics and hospitals
• Private healthcare organizations: get a more cost-effective care process as prices are previously agreed with the public payer
OneHealth

What We Did

• Positioned InterSystems as a reliable technological partner focus on providing excellent solutions and an outstanding support
• Propose to participate along with OneHealth in the service definition and in the economical model to be offered
• Show that we could go beyond their urgent need (replace Mirth to implement new integrations) and work along with them to establish their Interoperability Strategy
• Present HealthShare as a breakthrough technology, with reliable capabilities, scalable, and interoperable with existing healthcare systems. This was positioned as ideal for exchanging patient information among organizations

Conclusions

• Coordination among public and private healthcare organizations to improve the care service
• Existing information systems in both the Public and the Private side will not have to be modified to interoperate
• InterSystems will work with the OneHealth right from the beginning and will evolve with them as their business grows
• The outcomes for OneHealth’s customers will be in both areas: the quality of the care service and the cost-effectiveness of the service
Sanitas

MySanitas (patient portal)

Challenges

• Implement the Personal Health Folder (PHF) of Sanitas for their members as the way to access all their clinical data
• Integrate the PHF with the different services offered by the organization so that, after being authorized by the user, the information may be shared with the organization’s medical specialists
• Patient engagement to improve the care service and reduce costs

Failure to Act

• Build the patient’s EHR from all the different healthcare providers (both owned and external) of Sanitas
• Make the EHR accessible to their members and professionals via Web
Sanitas

What We Did

• Positioned InterSystems as a reliable technological partner focus on providing excellent solutions and an outstanding support
• Work along with our partner Babel Sistemas to build a breakthrough solution made to measure that covered present and future requirements
• Present Ensemble as a breakthrough technology, with reliable capabilities, scalable, and interoperable with all the existing information systems (internal and external) without having to modify them

Conclusions

• Build the EHR from many disparate systems (internal and external to the organization) without having to modify any of them
• Allow access to the clinical information to both the patients and the professionals that have the consent of the patient
• The outcomes for Sanitas will be in both areas: the quality of the care service and the cost-effectiveness of the service
Use Cases

You’ll make breakthroughs
5 Municipalities in County Council Blekinge, Sweden

Challenges
• Improve patient safety, quality and economy of care for elderly in care homes
• Make the massive amount of vital clinical information in existing clinical systems securely accessible online to care providers, across organizational borders, regardless of time or location

Failure to Act
• Continue with repetitive diagnostics and examinations that are costly, time consuming, and present a bad (even painful) experience patient
• Risk ineffective or even harmful clinical decisions
What We Did

• Position HealthShare as a means to enrich information exchange within the municipality
• Leverage the existing municipality management system Procapita, which provides interoperability with existing healthcare operational systems. Procapita held the information required but could not integrate with NPÖ.

Conclusion

• Data produced by municipality care providers will now be visible in the NPÖ. Care providers across the County Council (e.g. hospitals and specialists) can enrich and make accessible the patient’s medical history.
Strategic Interoperability

Bringing the Healthcare Puzzle Together