



ABOUT US



We provide device and software integration solutions to the health industry



Our clients includes private and public hospitals, departments of health (Govt), medical device manufacturers, system integration firms and start ups



We are HL7, FHIR and integration experts, committed to providing best products, solutions and services to optimize time and budgets



Our software solutions and services provide clients a seamless integration of medical devices to Health IT software such as integration engine, EMR, LIS, ADT, Radiology and others

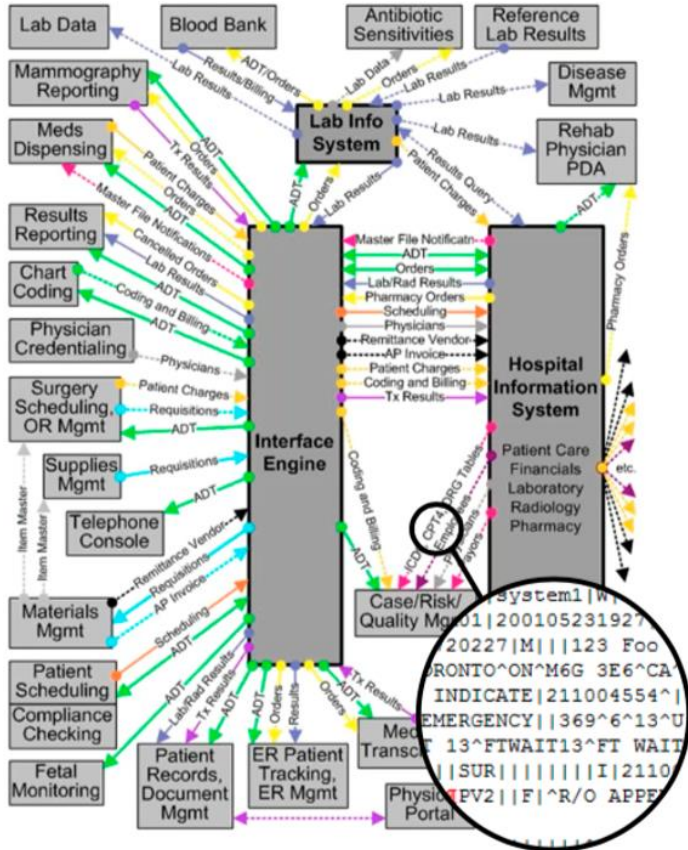
Who uses Caristix?



Integration Team Journey



Interoperability & Cybersecurity



- ◆ Patient data and medical info are stored in silos, distributed and exchanged among hundred of medical devices and dozens of specialized Health IT software including EMR, LIS, ADT, Radiology

“ I’ve heard that some hospitals that have greater than 2000 interfaces, all trying to feed and connect, and interconnect back and forward”

Matt Blackmon, Chair, HL7 Education Advisory Council

Before – The Fortress Approach



A Brand New World



Growing number of systems



Regional and national systems

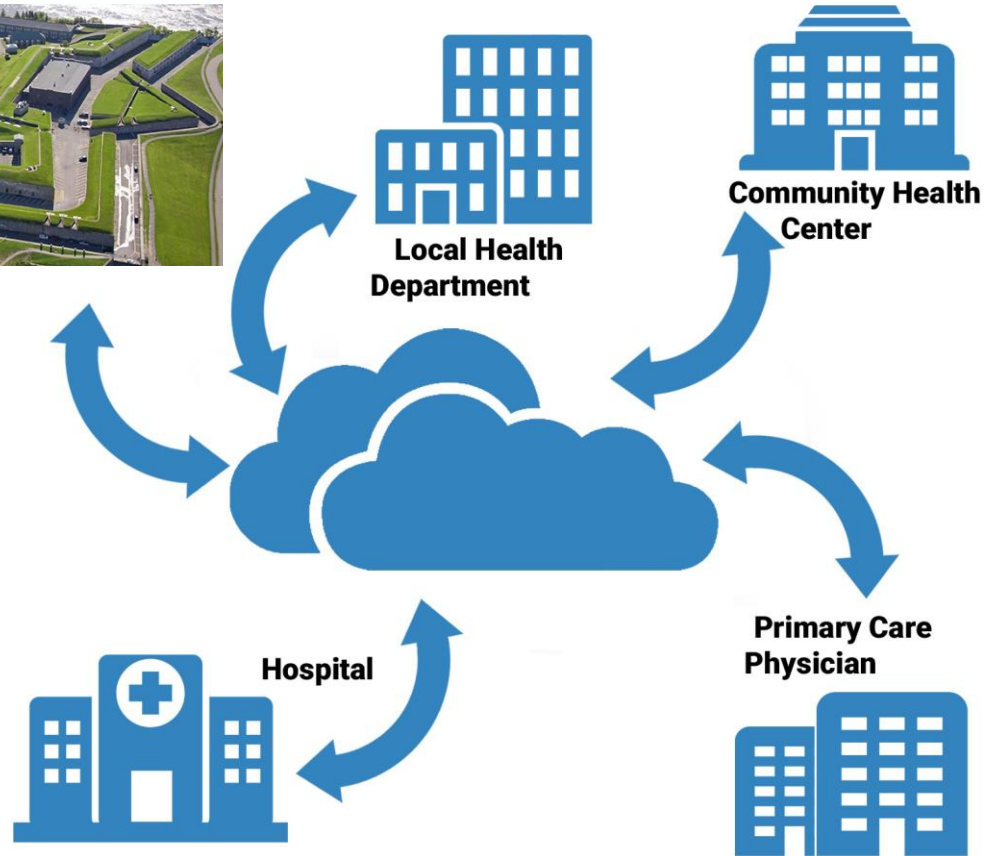


Work from home



Ransomware groups

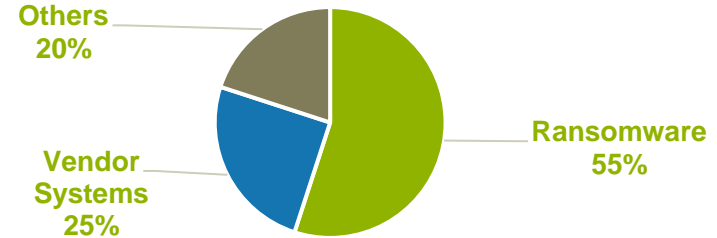
After – The Community Approach



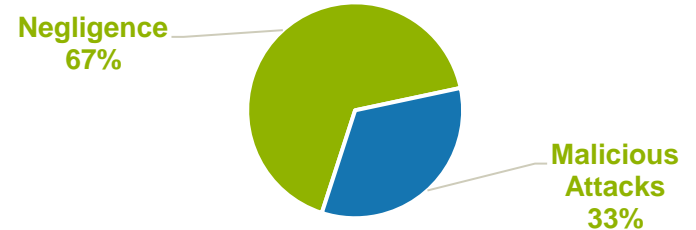
Data Breaches – A few stats (USA)

- \$6000B in cost over 10 years
- 30% are from hospitals
- Only 20-40% of breaches reported
- In 2020 only, health system vendors exposed 12M patient files
 - 1 person out of 10 had its personal data potentially breached
 - Value of \$150/patient file

Leak Types



Causes



Data Breaches – A few stats (France)

- In Nov 2020, 490K clinical staff and patient profiles were revealed exposed from around 30 different laboratories
 - Value of \$1,000/physician file

Patient file contains:

- Name
- Phone numbers
- Postal address

Patient file may contain:

- SSN
- Date of birth
- Blood type
- General Practitioner
- Insurer
- Treatments
- HIV status
- Pregnancy test results

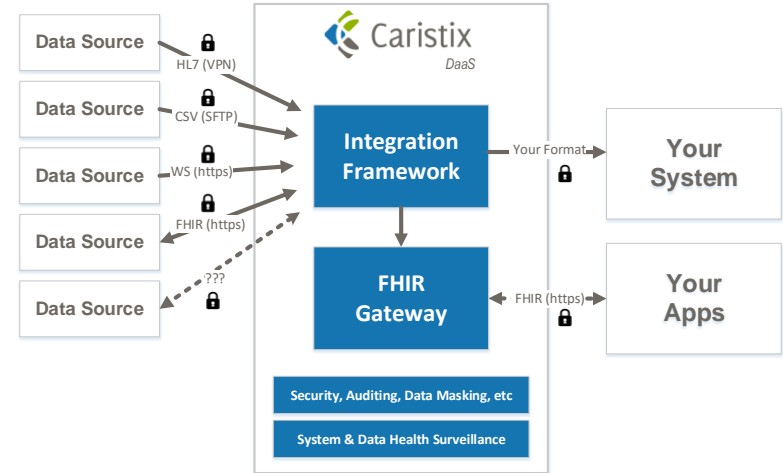
Some Solutions - Technology

- Avoid storing PHI when possible
 - HIPAA defines clearly what is PHI
 - What data do you need?
 - FHIR API could be an option



Some Solutions - Policy

- Document and implement strong operation procedures
 - Password management
 - Network security configuration
 - Access and privileges
 - Data Archiving
- Develop a cyber breach response plan



Some Solutions - People

- Everyone should be involved
 - Manage security as a product feature
 - Security and security management should be part of your product roadmap
 - Cloud vs. On-premises





Is your organization
part of the negligent
ones?

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