

Where do we go from here in Digital (interoperability)?

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Radiology operations ... Efficiency enablers are ready for deployment

Voice of Customer

 Radiology departments [face] significant challenges, with severe **staff shortages** exacerbated by lengthening **patient backlogs**. The result is demand exceeding the capacity to deliver.”

 **Richard Evans**
Managing Director

From Products in Siloes

Disparate data, standalone applications, separate in structure, function, and commercialization

- Radiology Operations
- Imaging Protocol Manager
- Imaging Insights
- Digital Expert Access

To One Solution Imaging 360 for Operations



- Modality Utilization
- Protocol Management
- Scheduling Optimization
- Remote Scanning

All in one experience.


FROM
TO







Mexico (LATAM)
~180 Diagnostic Clinics
~80 Cities

 4 people	 Physical Storage & Distribution	 18 protocol modifications
 2 people	 Cloud storage & Distribution	 61 protocol modifications


**↓50% staff need;
+3.4X protocol modifications**









Colorado (USCAN)
Multisite hospital
40+ centers

 24 min. Average ER DR Patient Wait Time	 18 min. Average ER DR exam time
 15 min. Average ER DR Patient Wait Time	 16 min. Average ER DR exam time

**↓39% in patient wait times;
↓10% in exam times; +22 patients per week**



United Kingdom (EMEA)
NHS - diagnostic center
40+ sites, 1000+ people
700K scans per year

 19 exams/day	 Single, Standard Appointment Slot	 19 & 21 minute protocols
 32 exams/day	 Real, Data Informed Appointment Slots	 18 & 20 minute protocols

**+68% exams daily;
↓9% in monthly scan time**

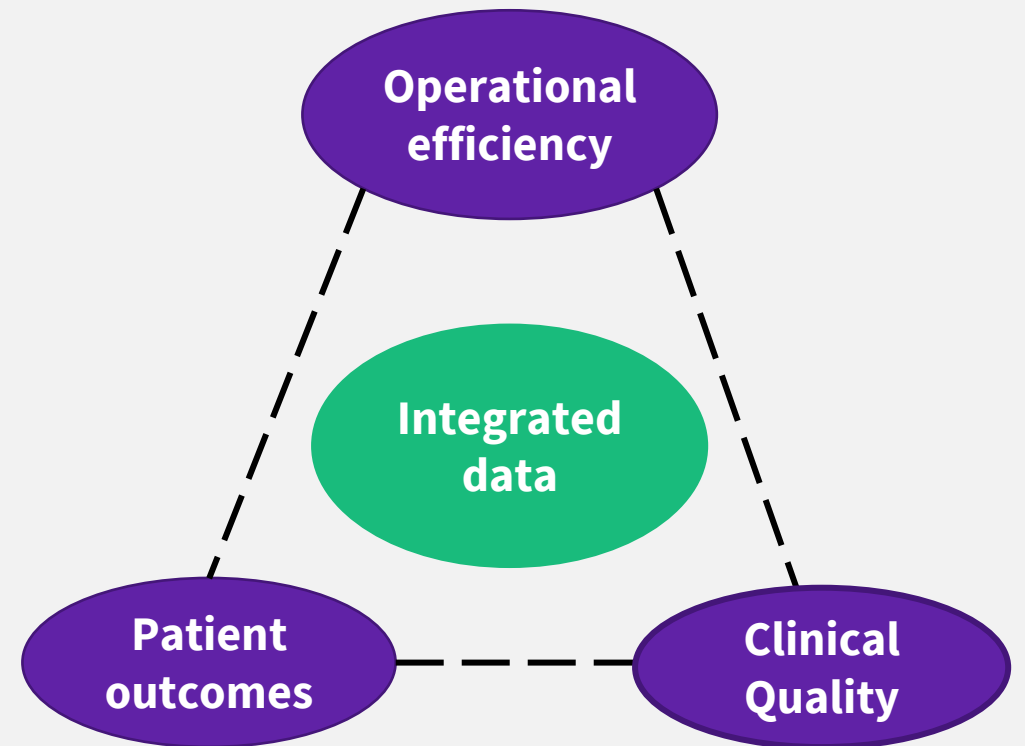
Improved clinical outcomes and operational efficiency through a unified digital solution

Broader clinical and operational data sets remain a challenge today ... How to transition?

From - Traditionally siloed data and systems

- Multiple RIS, EMR Data sources
- >100 disparate data systems
- Heavy integration needed
- Siloed operations across radiology departments and enterprise
- Staff schedules and data not available consistently - burnout
- Patient, machine data fragmented
- Increased risk of cyber, privacy

To - Integrated, interoperable data and systems



What are the implementation challenges and call to action?

What can be achieved ... Command Center example

Enabling enterprise-wide coordination and optimization

- Used in daily workflows for patient flow, staffing, quality surveillance
- Helps staff plan, prioritize, problem solve, and optimize *What do I do right now?*
- Real-time apps extracting from existing IT systems base
- Embedded AI creates new insights from data sourced by EMR, RIS, Orders, Labs, PACS ...
- Enables use cases that EMRs and other systems cannot

Impact on Imaging?

- Reduced imaging backlog and higher scan volume
- Improved schedule and equipment utilization
- Reduced cancellations and delays



Clinical applications ... The Systems Challenge for Oncology



Data is Scattered



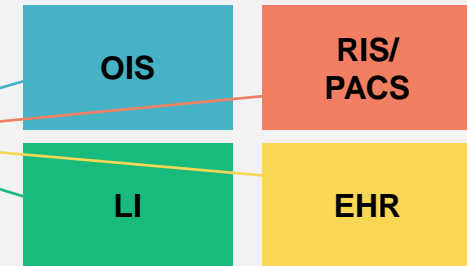
Data is filed, not organized



Patient prep is manual & time consuming

“My EMR requires navigation, hunting down all the records, and creating that timeline in my head.”

- **ONC Chief**



86%
of surveyed clinicians



ARE FRUSTRATED with the effort required to find and review patient data

100%
of surveyed clinicians



find it **MENTALLY CHALLENGING** to fully review patient data and decide on a course of action in their current system

Only **14%**
of surveyed clinicians



ARE CONFIDENT that they have reviewed all relevant patient data

Based on a simulated user evaluation of OncoCare at a UK University hospital in a test environment with 15 external users familiar with cancer patient medical records (7 oncologist, 5 nurses, 2 practitioners, 1 MDT coordinator). Each participant completed a series of tasks using both their existing EMR system and OncoCare. Mouse clicks and time to perform each task were recorded. User experience feedback was collected with a survey questionnaire. The study was facilitated by a third party consulting agency and sponsored by GE HealthCare. The results are not prescriptive and could vary depending on user, electronic patient medical records software used, and circumstances

The next opportunity ... Applying care pathway specific AI & CDS



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