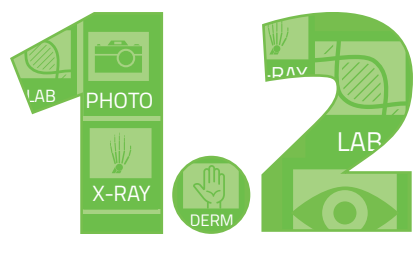


# SILO-BUSTING

for BETTER HEALTH

Hospitals and health systems today generate massive amounts of patient-related data from a variety of sources. This information holds the power to change care as we know it.



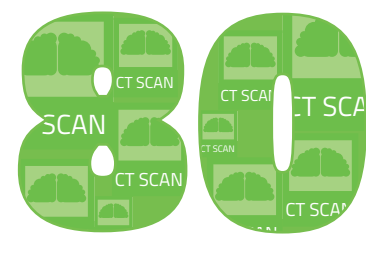
**12 billion**

clinical documents are produced each year<sup>1</sup>



**33.8 million**

MRIs were performed in 2013<sup>2</sup>



**80 million**

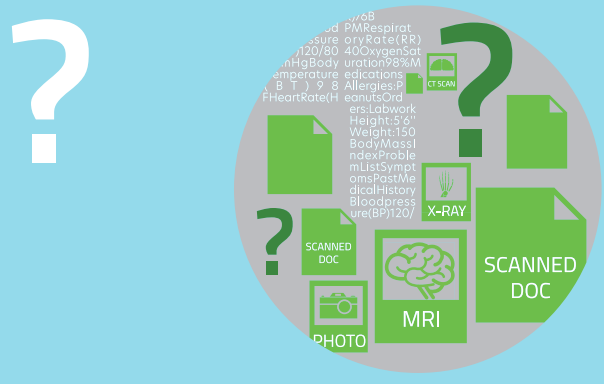
CT scans are conducted per year<sup>3</sup>

Healthcare data will reach **15 zettabytes** by 2020

— equivalent to four times the amount of information contained on the Internet<sup>4</sup>

## AN INCOMPLETE PICTURE OF PATIENT HEALTH

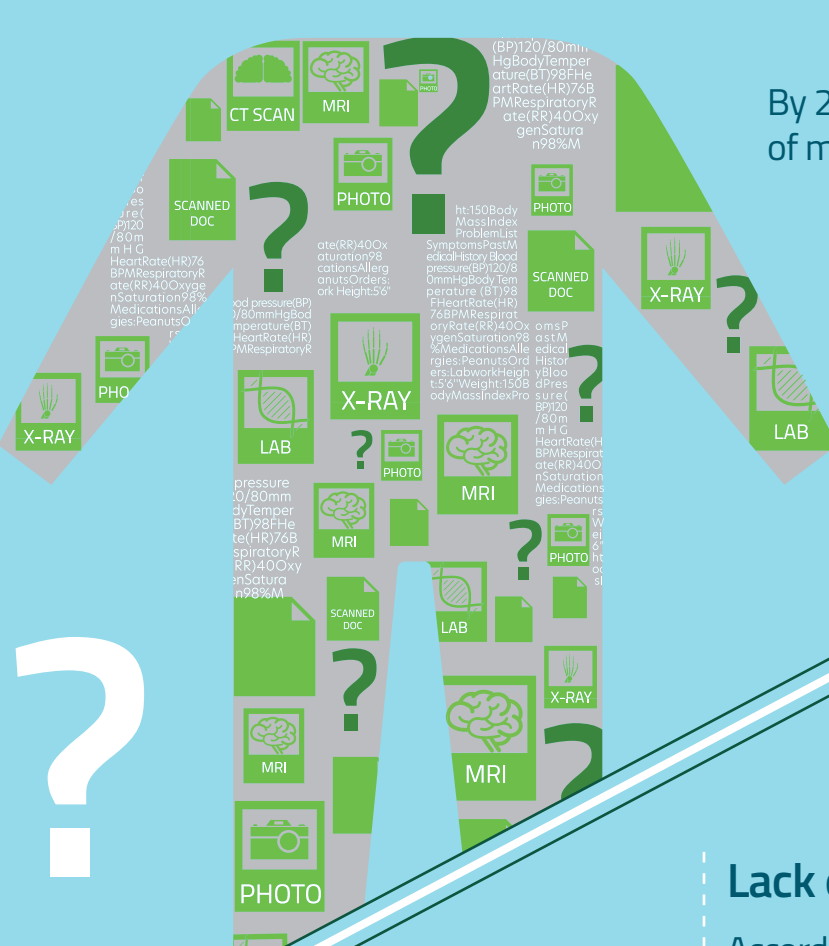
Managing this information is challenging for several reasons.



### Missing images

Traditional PACS approaches don't easily extend images to point-of-care clinicians and don't typically manage non-DICOM medical image formats (e.g. JPEG, MPEG, PDF, etc.) that offer significant clinical value. This information remains locked in silos, largely inaccessible to the enterprise.

By 2017, **75%** of medical imaging assets non-DICOM<sup>5</sup>



### Lack of interoperability

According to a recent survey of healthcare CIOs and senior IT leaders<sup>6</sup>:

**46%**

feel the key barrier to enterprise imaging is a lack of EHR interoperability with imaging-related technology

**50%**

cannot move imaging data between their systems and applications

**54%**

of organizations cannot exchange medical images with recipients outside their four walls

## ENTERPRISE IMAGING: SEE WHAT YOU'VE BEEN MISSING

Access to all medical imaging content is critical to making informed clinical decisions.

Enterprise imaging can deliver end-to-end clinical visibility in 3 ways:

### Capture

Capture and integrate all medical imaging content types with your existing EHR, PACS and imaging archives using an image acquisition and management solution.

### Manage

Eliminate departmental silos and manage imaging content from all "-ologies" in a single repository with a vendor neutral archive (VNA).

### View

Access and interact with medical images from anywhere with a zero-footprint enterprise viewing solution.

## REALIZE VALUE WITH ENTERPRISE IMAGING

### Enhance patient outcomes

- Improve patient safety
- Streamline care coordination, collaboration
- Enable access to all patient medical images at the point of care
- Make more informed clinical decisions and optimize patient outcomes.

### Lower costs

- Reduce redundant testing for value-based care
- Lower hospital readmissions
- Increase workflow efficiency
- No more costly PACS data migrations

### Ensure data security

- Establish centralized control of all imaging data
- Apply security protocols to all images
- Protect PHI from unwanted exposure

Sources

1 [http://www.himss.org/sites/himssorg/files/FileDownloads/HIMSS%20Health%20Story%20Project\\_FactSheet.pdf](http://www.himss.org/sites/himssorg/files/FileDownloads/HIMSS%20Health%20Story%20Project_FactSheet.pdf)  
 2 <http://www.commonwealthfund.org/publications/issue-briefs/2015/oct/us-health-care-from-a-global-perspective>  
 3 Ibid.  
 4 <http://www.healthcareitnews.com/news/storage-wars>  
 5 2013 IHS VNA study  
 6 <http://healthinteroperability.com/news/lack-of-ehr-interoperability-holding-back-enterprise-imaging>

Hyland®