Managing Healthcare Data

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Healthcare Storage Virtualization
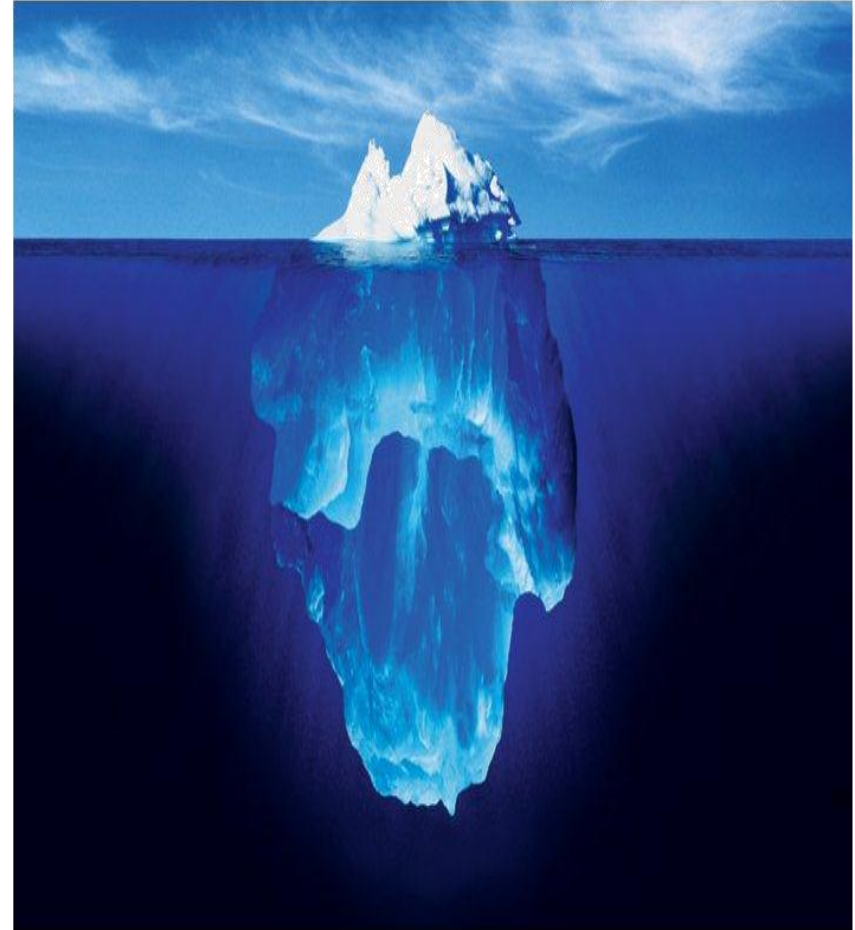
Healthcare – 30% of the worlds Data

My Message
- "Understand your data"

Dynamic Content
- New
- Will be accessed & changed

Static Content
- Older
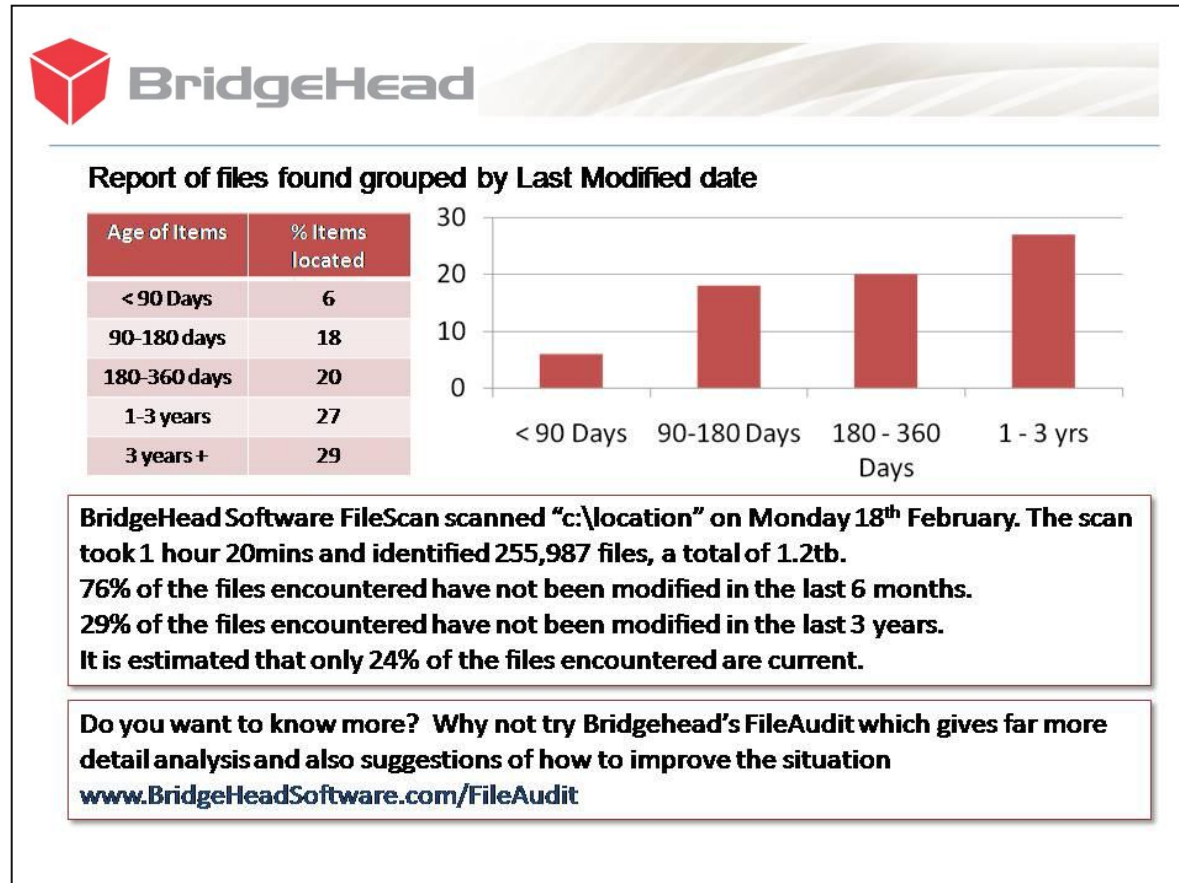- Unlikely to be accessed or changed

Healthcare (and others!) Data

- 30% of all data created worldwide
  - Biggest Single creator (?)
  - Bridgehead installed in 1 in 5 US hospitals
- 80% of all the data creating in HC is static
  - This unusually high % is HC defining feature
- After 14 months of age < 2% chance any item ever recalled again
  - Yet we still have to keep it

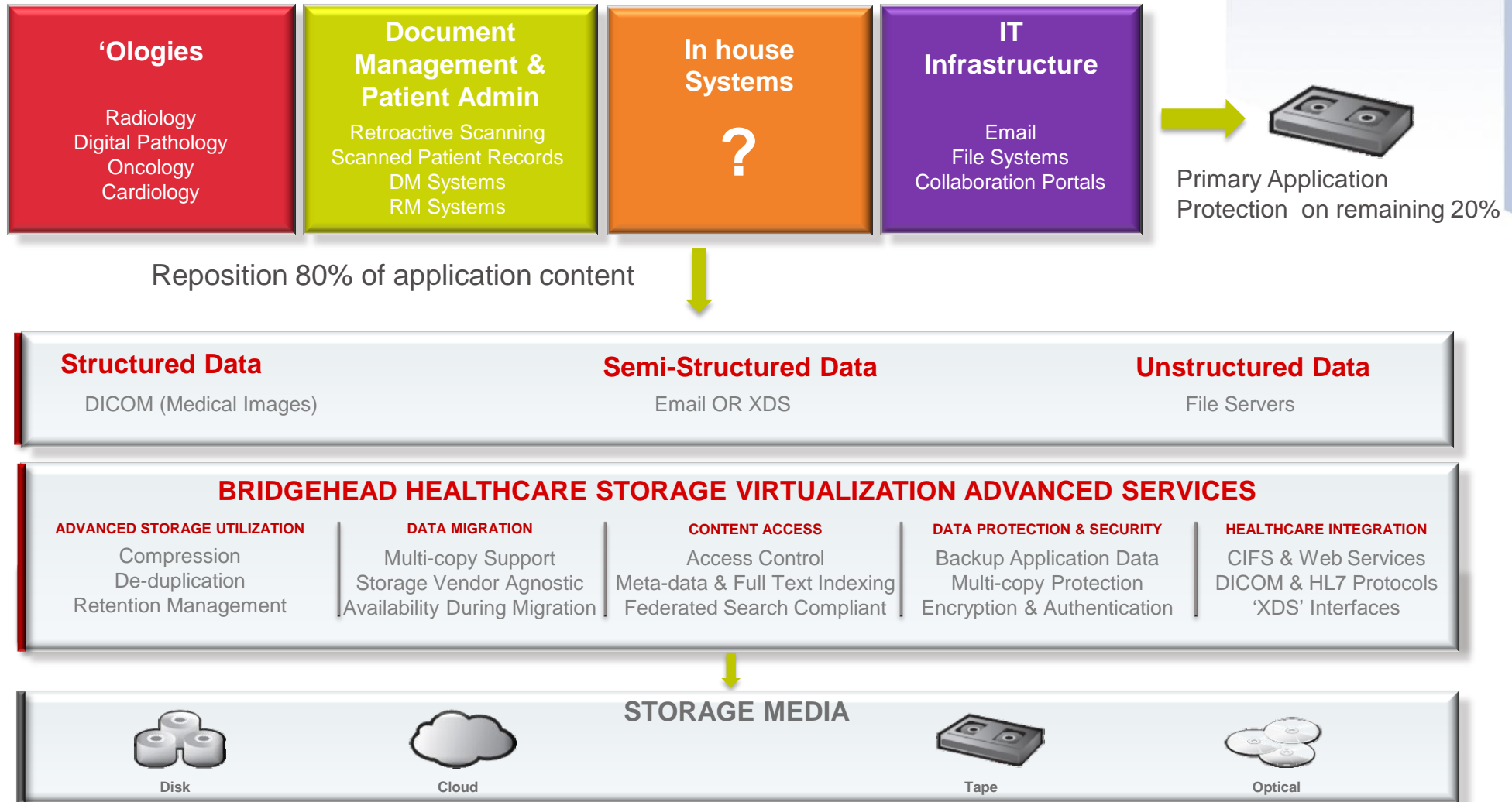# Problems a HC CIO want to tackle?

- Save costs

- Improve data protection

- End to constant migration headaches

- Improve content interoperability

- Simple and seamless integration

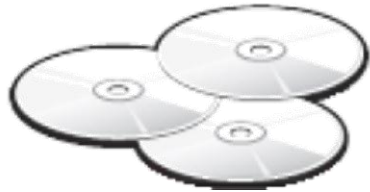# "You cannot improve what you don't measure"

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Managing Your Data, Effectively

'Ologies	Document Management & Patient Admin	In house Systems	IT Infrastructure
Radiology Digital Pathology Oncology Cardiology	Retroactive Scanning Scanned Patient Records DM Systems RM Systems	**?**	Email File Systems Collaboration Portals

Primary Application Protection on remaining 20%

Reposition 80% of application content

Structured Data	Semi-Structured Data	Unstructured Data
DICOM (Medical Images)	Email OR XDS	File Servers

BRIDGEHEAD HEALTHCARE STORAGE VIRTUALIZATION ADVANCED SERVICES

ADVANCED STORAGE UTILIZATION	DATA MIGRATION	CONTENT ACCESS	DATA PROTECTION & SECURITY	HEALTHCARE INTEGRATION
Compression De-duplication Retention Management	Multi-copy Support Storage Vendor Agnostic Availability During Migration	Access Control Meta-data & Full Text Indexing Federated Search Compliant	Backup Application Data Multi-copy Protection Encryption & Authentication	CIFS & Web Services DICOM & HL7 Protocols 'XDS' Interfaces

STORAGE MEDIA

Disk   **Cloud**   **Tape**   **Optical**

Storage Alone Won't Ever Save You Money

- Understanding how your data is used in the business workflow will

Healthcare Storage Virtualization

Storage Alone Won't Ever Save You Money

- Healthcare, Offline Storage and waiting lists

- How often have you seen your GP without and appointment?

- Healthcare 'knows' people are coming

- Pre-fetch data means its not 'offline'

Storage Alone Won't Ever Save You Money

- UK Financial Organization

- Needs to recall information from optical, fast but requests are unexpected

- Analysis shows that 50% of 'unexpected' recalls were from people who's mortgages would expire in 6 months

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Storage Alone Won't Ever Save You Money

- Biggest benefit of 'cloud storage' will be that it will force organizations to describe data better

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Summary

- Get to know your data

BridgeHead and Oracle

- Oracle (Traditional)
  - Owns the 20%
  - Often references the 80%
- Oracle Hardware (e.g. SUN)
  - HEAT Application (7000 & StorageTek)
  - Bridgehead was OpenArchive Healthcare provider

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THANKS: Q&A?