



**Kodak**

# Managing the explosion in patient information

**KODAK CARESTREAM** INFORMATION MANAGEMENT SOLUTIONS

# KODAK CARESTREAM

## INFORMATION MANAGEMENT SOLUTIONS

THE RIGHT INFORMATION IN THE RIGHT PLACE  
AT THE RIGHT TIME—FROM THE RIGHT COMPANY

KODAK CARESTREAM Information Management Solutions go beyond conventional storage functions to effectively manage the exploding volumes of patient images and information, today and tomorrow.

These solutions combine software, non-proprietary hardware, and professional services as needed for consolidation, control, continuity, and access of *all* fixed content archived for healthcare. This enables you to provide the right information in the right place at the right time—across your healthcare enterprise or region. No matter where the images and data are stored, or where they originated.

Key to this performance is the KODAK Versatile Intelligent Patient Archive (VIPArchive). This software platform virtualizes storage—to share and consolidate storage infrastructure—and dynamically applies rules-based storage plans to all data. The archive “understands” the data and can automatically provide intelligent information lifecycle management that is tailored to the needs of each department it serves. Meeting the needs of both short-term storage and long-term image and data preservation, this unique capability simplifies data management without impacting daily operations. Performance such as this has made Kodak the worldwide leader in intelligent, clinical information lifecycle management (CILM) for healthcare.

Easy universal access to images and information and flexible “open” storage architecture allow you to improve patient care and increase productivity—while reducing operating and capital costs, and keeping pace with escalating storage demands. Choose from a versatile portfolio of solutions including KODAK CARESTREAM Enterprise, Hosted, or Regional Information Management Solutions.

### REVOLUTIONARY VIPArchive IS THE DRIVING FORCE

Kodak's unique and revolutionary VIPArchive software powers CARESTREAM Enterprise, Hosted, and Regional Information Management Solutions.

### KODAK CARESTREAM Information Management Solutions Portfolio

Enterprise Information  
Management (EIM)  
*enterprise solutions*

Hosted Information  
Management (HIM)  
*service solutions*

Regional Information  
Management (RIM)  
*regional solutions*

### Kodak's Solution Delivery

VIPArchive Software Platform  
*(Storage Virtualization and Clinical ILM)*

Professional Services  
*(Project Management, Integration, Consulting)*

Key Partners  
*(Storage, Network, Software, IT, etc.)*

# Enterprise information management

A unique concept, KODAK CARESTREAM Enterprise Information Management Solutions bridge the gap between existing archiving islands in healthcare environments. This top-down, holistic approach to storage and archiving enables you to consolidate and manage the needs of clinical systems such as radiology, cardiology, and laboratory—as well as back office functions including inventory and payroll. These solutions offer:

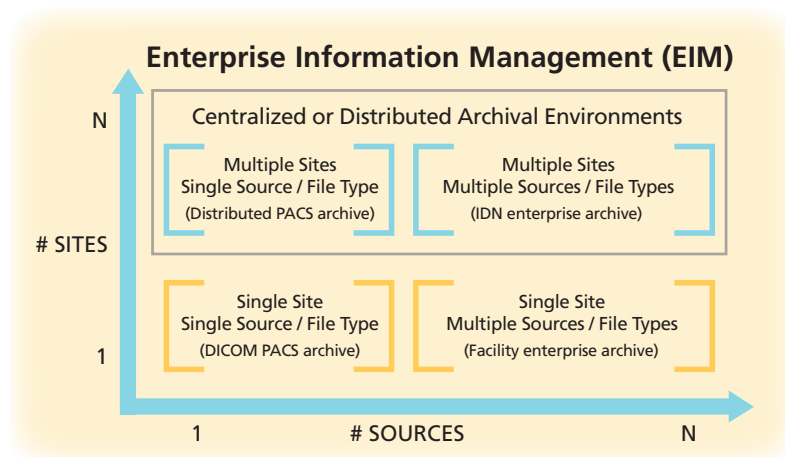
- Intelligent, clinical information lifecycle management using configurable storage plans that automatically move, copy, reformat, and/or delete data as needed—for online, near-line, or off-line storage
- Cost advantages by leveraging existing infrastructure and optimizing workflow and productivity
- Vendor neutrality, allowing a choice of storage equipment, technology, and media, today and tomorrow
- Multi-dimensional scalability that accommodates growing storage capacity, users, sites, data sources, and technologies
- Long-term information preservation—transparent information protection and simplified data migration support
- A foundation for a clinical data repository that allows a patient-centric view of fixed data content
- Flexible, versatile deployment for single or multiple sites and one or more data sources with distributed or centralized archiving
- Tight integration of digital and paper-based data



## DOCUMENT CAPTURE SERVICES

Trust Kodak's document service experts to handle any or all of your activities related to document management for paper-based files.

- Kodak can perform document scanning, indexing—and more. Or you can do it yourself using KODAK scanners.
- You minimize your capital investment in equipment, software, and resources.



## MULTIDIMENSIONAL SCALABILITY ACCOMMODATES GROWTH

CARESTREAM Enterprise Information Management Solutions scale to accommodate growing storage capacity, users, sites, data sources, and technologies.

# Hosted information management

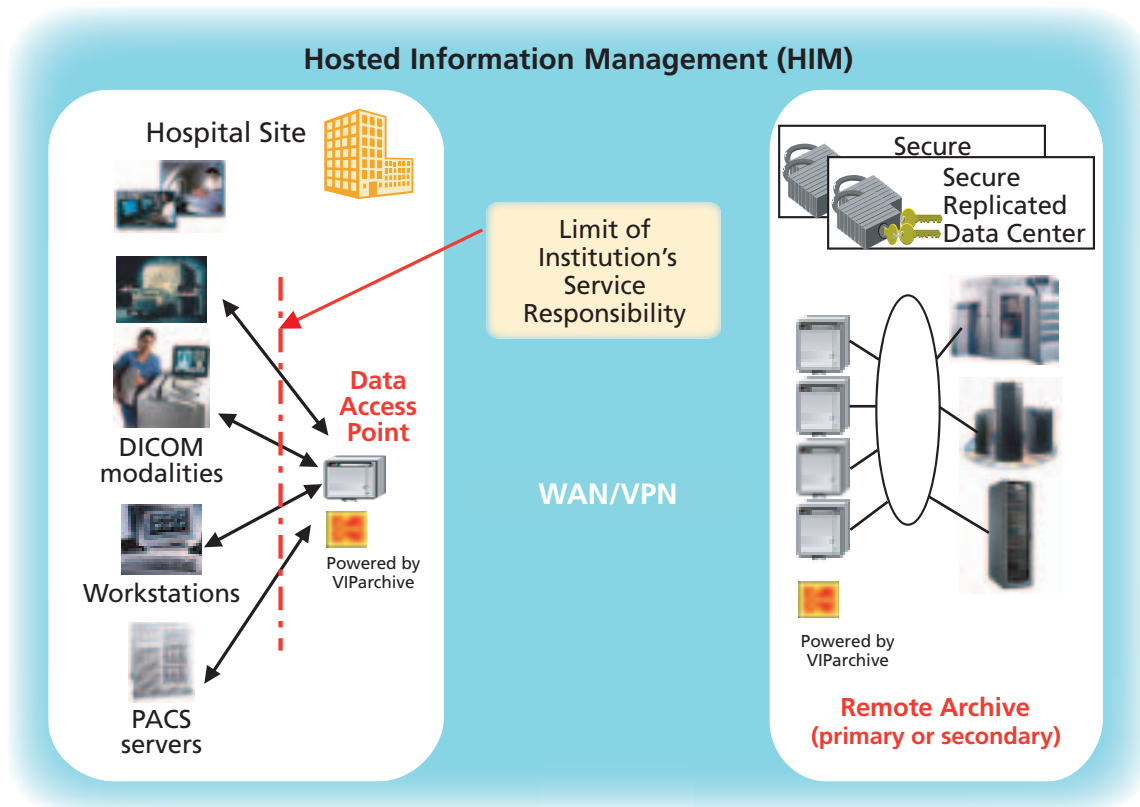
KODAK CARESTREAM Hosted Information Management Solutions enable remote data management and storage. This provides all the capabilities of an onsite archive without the capital expense and responsibility of ownership. These solutions help you improve the storage, retrieval, and security of your digital images and information. Kodak serves as your storage service provider (SSP) with a choice of remote archive solutions.

**Primary offsite archive**—Dedicated KODAK offsite archive that integrates with your workflow.

- Secure, reliable bandwidth provides real-time storage and retrieval.
- Kodak maintains the integrity and availability of your data on this offsite archive.
- We update this archive to keep pace with advancing technologies—at no added cost to you.

**Secondary offsite archive**—Duplicate the data in your onsite archive at a secure offsite facility with Kodak's data backup service.

- Guard against irretrievable loss of images and information.
- Gain cost-effective support for your business continuity plan.

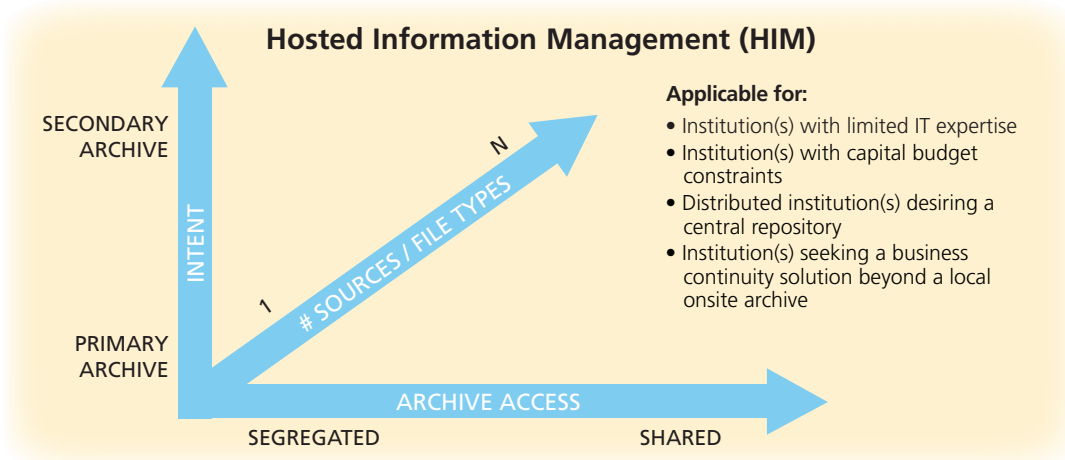


**Data migration and retrieval services—  
Maintain data access in the face of  
changing storage technologies and  
faulty media.**

- Kodak's data migration service can transfer data from legacy storage systems to any other storage device.
- Physical migrations are possible without impacting your day-to-day operations.
- Kodak's data recovery specialists can reclaim your data from damaged, worn, or deteriorated tapes, disks, or other media.

**Advantages of offsite archive solutions**

- You pay as you go.
- Your costs are operating expenses—not capital costs.
- Kodak manages data availability and security—and prevents storage technology and media obsolescence.
- Data security is enhanced by remote, redundant storage—two copies of images and data are stored at all times.
- Your IT resources can be optimized.



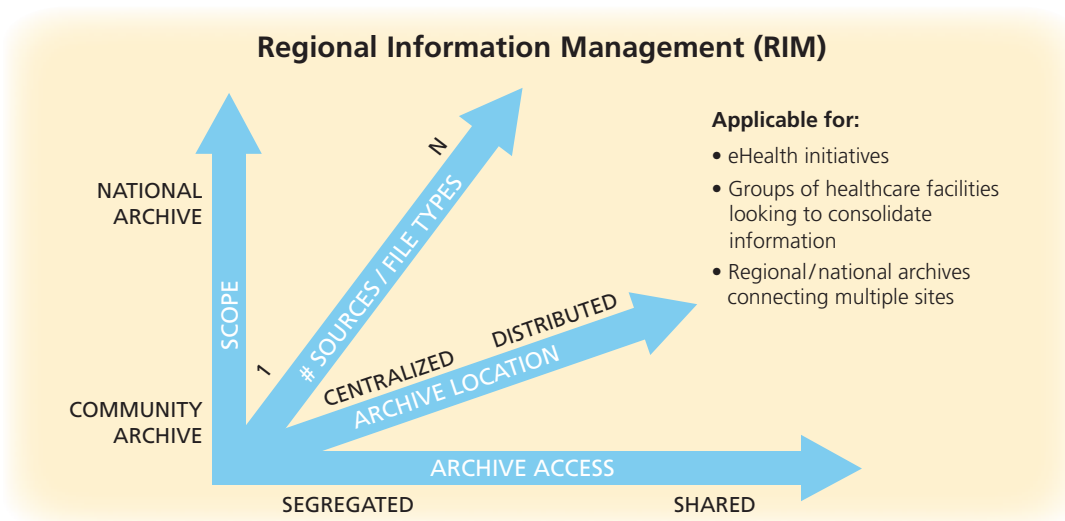
**CONFIGURATION OPTIONS PROVIDE CUSTOMIZED SOLUTIONS**

CARESTREAM Hosted Information Management Solutions offer options that include primary or secondary offsite archiving with segregated or shared access. An unlimited number of data sources and file types can be accommodated.

# Regional information management

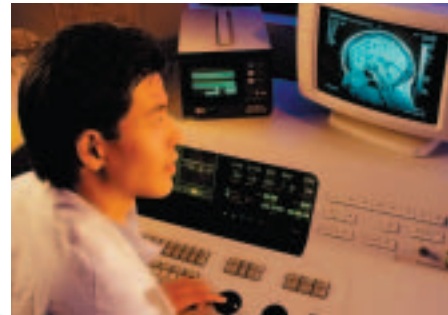
KODAK CARESTREAM Regional Information Management Solutions support multiple institutions and vendor systems. Leveraging the grid computing architecture of Kodak's VIPArchive software platform, these solutions can manage billions of images, petabytes of data, and thousands of data requests per second, providing industry-leading capabilities for worldwide eHealth initiatives:

- Multi-source, open archiving provides synchronized data and database protection with multiple levels of redundancy for remote disaster recovery. Information can be shared or kept private by each individual organization.
- Highly available and secure architecture supports regional eHealth solutions.
- Multi-dimensional scalability accommodates growth in storage capacity, users, sites, sources and technology. These solutions support extremely high volumes of information and access requests.
- Adherence to industry standards supports interoperability both today and tomorrow.



## REGIONAL SOLUTIONS SUPPORT eHEALTH INITIATIVES

CARESTREAM Regional Information Management Solutions support multiple institutions and vendor systems. They can manage billions of images and documents, and thousands of data requests per second. The capability to manage, store, and access patient information across institutions supports eHealth initiatives.



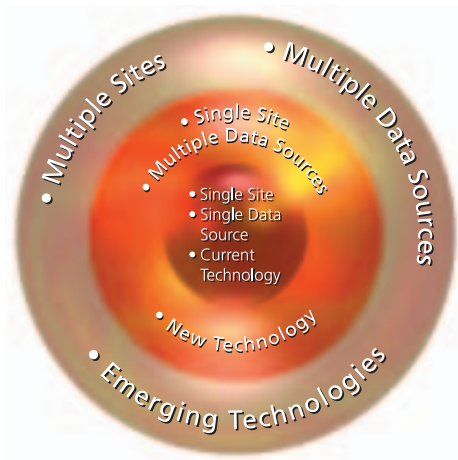
## Consolidation, control, continuity, and access with VIParchive

Application-neutral and technology-independent, Kodak's innovative VIParchive storage management software platform enables consolidation, control, continuity, and access of all fixed content archived for healthcare across the enterprise.

- Clinical information lifecycle management defines policies to automatically manage data within your storage infrastructure.
- Unified enterprise storage strategy reduces operating expenses while supporting your legacy infrastructure.
- Storage virtualization simplifies the integration of new technologies without impacting applications.
- Patient-centric organization of care data increases efficiency and supports eHealth initiatives.
- Obsolescence proofing is provided by solutions that are media-, technology-, and vendor-neutral—with multi-dimensional scalability.
- Long-term information preservation is the result of automated information lifecycle management and support for future data migration.

### STORAGE PLANS PROVIDE INTELLIGENT, CLINICAL INFORMATION LIFECYCLE MANAGEMENT

VIParchive allows you to create content-specific information lifecycle treatment profiles called storage plans that are based on available data attributes. This enables VIParchive to "understand" the data and to manage it over time through automated execution of these storage plans which can copy, move, compress, and/or even delete matching data within the storage infrastructure.



### VIParchive Storage Plan Concept examples

#### Chest Study

FAST DISK

ATA DISK

LOSSY

◆ COMPRESSION

REMOTE ARCHIVE

SHELF TAPE

#### Mammography Study

FAST DISK

TAPE LIBRARY

REMOTE ARCHIVE

3 mos

12 mos

18 mos

## Why choose Kodak?

Beyond the remarkable capabilities of KODAK CARESTREAM Information Management Solutions, Kodak is the right company to guide you through this complex transition.

We know how to capture, move, store, and manage medical images and information—in ways that optimize patient care and produce successful, predictable business outcomes.

- The vast majority of archived images and information conform to the DICOM standard and Kodak is a DICOM market leader.
- Kodak is the worldwide leader in intelligent, clinical information lifecycle management for healthcare.
- Images are the most challenging facet of data management. Kodak is an undisputed leader in image science, holding more than 20,000 patents.
- More than a century of service has taught us the critical workflow issues, challenges, and requirements of medical imaging.
- Our portfolio of expert service and support is designed to maximize your return on investment.
- While providing the technologies and solutions best for you, Kodak will also provide the expertise to ensure a smooth transition and maintain business continuity.



## A Unified Enterprise Storage Strategy

### BUSINESS IMPACT

### FINANCIAL AND OPERATIONAL SAVINGS

Greater Platform ROI—Maximize Utilization and Extend Longevity	X
Application Independent, Enterprise-Centric Platform Migrations (Not When, How)	X
Best-of-Breed Platform Deployment—No Vendor Lock-in	X
Streamlined Service Management, System Management, and Capacity Planning Improve Personnel Efficiency	X
Immediate Responsiveness to Your User's Next Application Requirements or Regulatory Changes Like HIPAA Business Continuity Planning	X
Improve Access to Patient Data Continuously	X
Flexible Deployment—Include Capital Investments vs. Pay-as-You-Go Options	X

### STORAGE VIRTUALIZATION STREAMLINES INFORMATION MANAGEMENT

Kodak's VIParchive consolidates your storage infrastructure, providing seamless access to multiple storage devices, systems, and media. This enables scalability, data migration, storage obsolescence proofing, and support for business continuity planning.

### Learn more

For more about KODAK CARESTREAM Information Management Solutions, and Kodak's broad digital portfolio, contact your Kodak representative, or visit [www.kodak.com/go/carestream](http://www.kodak.com/go/carestream). In the U.S. or Canada, you may also call toll-free: 1-877-TO-KODAK (1-877-865-6325), ext. 655.

 [www.kodak.com/go/carestream](http://www.kodak.com/go/carestream)

Health Group  
EASTMAN KODAK COMPANY  
343 State Street  
Rochester, NY 14650  
1-877-TO-KODAK  
(1-877-865-6325), ext. 655

KODAK CANADA INC.  
3500 Eglinton Avenue West  
Toronto, Ontario M6M 1V3  
CANADA

**Kodak**