

UNC Health Care System Selects Lexmark Vendor Neutral Archive, Image Viewing and Mobile Image Capture Solutions

Enterprise-wide control and access to a growing medical image portfolio are key to the UNC HCS “one patient, one chart, one repository” vision

LEXINGTON, KY

News Facts

- Lexmark announces that North Carolina-based UNC Health Care System (UNC HCS) will deploy the Lexmark Vendor Neutral Archive (VNA), NilRead™ Enterprise Viewer and PACS Scan™ Mobile solutions at all of its locations to meet diverse image and content management needs, including clinician workflow requirements and integration with the organization's core patient electronic medical record (EMR) system. UNC HCS produces approximately 1.3 million DICOM studies annually.
- A consolidated, VNA-based medical image repository and integrated common enterprise viewing solution, will support the UNC HCS vision of “one patient, one chart, one image repository,” unifying all medical images and content for access from within the EMR and providing clinicians with faster, easier access to images for improved patient care decision-making.
- In addition to serving as a single enterprise repository layer for tiered storage and long-term retention of all medical images, Lexmark VNA will function as UNC HCS's primary imaging workflow engine and life cycle management solution. Lexmark VNA will be the source of medical images and content for Lexmark NilRead, a Web-based image viewing solution for UNC HCS physicians.
- The Lexmark NilRead Viewer is expected to help UNC HCS referring physicians and diagnosticians work together more effectively to treat patients without the constraints of service line or facility silos, accessing and interacting with images and reports for all patient images in a single view. The zero-footprint design of NilRead enables large files to be delivered from the Lexmark VNA to local clinician workstations without download wait times.
- Visible light images, captured by UNC HCS medical devices and smart phones with the aid of Lexmark's PACS Scan Mobile solution, will be archived and managed by the Lexmark VNA using the Cross-Enterprise Document Sharing (XDS) interoperability specification. PACS Scan Mobile leverages the mobile devices healthcare organizations are already using to route content into core systems.
- The initial Lexmark VNA implementation services will include migration of 5.4 million existing medical studies with another 6.0 million studies to be migrated by the UNC HCS team. These images are currently held in multiple radiology and cardiology picture archiving and communication systems (PACS) across UNC HCS facilities.
- Deployed via an on-premise, cloud or hybrid model, Lexmark VNA is an intelligent storage layer that manages information across departments and healthcare organizations. Using open standards and scalable storage technology, it provides interoperability and “liquidity” of healthcare content, including secure access to documents, medical images and other patient-related information from within a patient's “healthcare jacket”. Lexmark VNA is federated, HDO-owned and centrally managed.
- Lexmark enterprise image connectivity solutions are used by half of all U.S. hospitals.
- One hundred percent of U.S.-based HIMSS Stage 7 healthcare systems use Lexmark products and solutions.

Supporting Quotes

“A large portion of medical images and other relevant content at UNC Health Care resides outside of our EMR system,” said Vineeta Khemani, Executive Director, Clinical Systems and Enterprise Architecture, UNC Health Care System. “The Lexmark VNA, NilRead Viewer and PACS Scan solutions will be part of our enterprise strategy to provide greater interoperability of patient content and extend our ‘One Patient, One Chart’ EMR vision to also include ‘One Image Repository.’ Our goal is to

make sure physicians have all the information they need at the point of care without navigating through multiple systems to find it. The Lexmark healthcare content management approach gives us flexibility for the future.”

“We’re changing the way healthcare enterprises manage medical images and other content,” said Reynolds C. Bish, vice president, Lexmark and president, Enterprise Software. “Lexmark healthcare solutions allow physicians and business users to improve the workflows that make healthcare delivery more efficient, providing quick access to the information needed to make better informed decisions that impact patient care.”

Supporting Resources

- [Explore Lexmark healthcare solutions](#)
- [Read InContext healthcare news and trends](#)
- [Stay in touch with Lexmark Healthcare on LinkedIn](#)

About UNC Health Care System

UNC Health Care is a not-for-profit integrated health care system owned by the state of North Carolina and based in Chapel Hill. Originally established Nov. 1, 1998, by N.C.G.S. 116-37, UNC Health Care currently comprises UNC Hospitals and its provider network, the clinical programs of the UNC School of Medicine, and seven affiliate hospitals and hospital systems across the state. For more information, visit www.unchealthcare.org.

About Lexmark

Lexmark (NYSE: LXX) creates enterprise software, hardware and services that remove the inefficiencies of information silos and disconnected processes, connecting people to the information they need at the moment they need it. Open the possibilities at www.Lexmark.com.

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For further information: Investor Contact: John Morgan, (859) 232-5568, jmorgan@lexmark.com Media Contact: Jeremy McNeive, (913) 227-6090, Jeremy.mcneive@lexmark.com Media Contact: Mark Bowen, (205) 447-3115, Mark.bowen@lexmark.com

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