HIMSS Analytics

# 2015 Imaging Technology Study

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December 2015

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# Executive Summary

This report insight from 144 U.S. hospital, healthcare system and ambulatory PACS and radiology leaders to explore provider's imaging environment needs and drivers.

Radiology PACS is reported to be in heavy use and the same entrenched vendors appear to dominate the market over the past several years. However, the findings show a market that is mixed on obtaining the next generation of storage and image sharing technologies. Nearly 50 percent of respondents indicated the use of an enterprise image viewer to meet their imaging needs. While many organizations currently utilize multiple servers across their organization to address their storage needs, there was an increase in the adoption of image repositories with dynamic imaging capabilities and cloud solutions. With image sharing across organizations only expected to rise there is room across these storage solutions for growth.

One of the benefits to an enterprise image viewer is the ability to view images without location restriction. Respondents indicated continued heavy use of PACS workstations inside and outside of the radiology department, but there was an increase in the use of image enabled EHRs. In terms of future plans for image access, smartphones (28.9 percent) and tablets (35.5 percent) remain the top areas where technology can help with image viewing across the enterprise.

While the adoption level of existing radiology PACS implementations appear saturated, this study indicates there could be the potential for growth for organizations looking to adopt new technology focused on the ability to store, share and provide universal access to images.

## Appendix A

| HIMSS Analytics Continuity of Care Maturity Model | |
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| **STAGE 7** | Knowledge Driven Engagement for a Dynamic, Multi-vendor, Multi-organizational Interconnected Healthcare Delivery Model |
| **STAGE 6** | Closed Loop Care Coordination Across Care Team Members |
| **STAGE 5** | Community Wide Patient Record using Applied Information with Patient Engagement Focus |
| **STAGE 4** | Care Coordination based on Actionable Data using a Semantic Interoperable Patient Record |
| **STAGE 3** | Normalized Patient Record with Share Care Plans using Structural Interoperability |
| **STAGE 2** | Patient Centered Clinical Data using Basic System-to-System Exchange |
| **STAGE 1** | Basic Peer-to-Peer Data Exchange |
| **STAGE 0** | Limited to No E-communication |

## About HIMSS Analytics

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