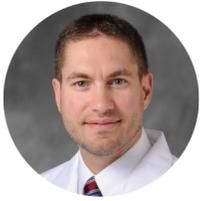


## Stanford Children's Outside Image Management Journey



*"With a strong outside image management suite in place, the future holds many possibilities to leverage its capabilities for clinical research image exchange, read-from-home for 24x7 coverage, and maintaining a complete thin-study index."*

**DR. SAFWAN HALABI**

Medical Director of Radiology Informatics at Stanford Children's Health and Clinical Assistant Professor, Stanford University School of Medicine.

### OVERCOMING OUTSIDE IMAGE MANAGEMENT CHALLENGES WITH THE CLOUD



Coordination across care points.



Overexposure risks for children.



Difficulties deploying and training across wide network.

### SUMMARY

As Stanford Children's Health continues to build its regional and national reputation as a leader in maternal, fetal, and pediatric care, the ability to seamlessly move data between institutions and patients will become paramount. Ambra empowers Stanford Children's to digest outside imaging studies by various means from utilization of the cloud to CD/DVD ingestion when needed. Thus far, Stanford Children's has seen several benefits arise from its move to the cloud. By reducing the number of disparate systems to facilitate image exchange, Stanford Children's has been able to cut costs and move towards one singular system. The predictable nature of a cloud SaaS vendor also allows for a regular monthly cost structure, simplified deployment, and employee training and support.

### BENEFITS WITH AMBRA:

- ➔ Simplified Deployment Across a Complex Network
- ➔ Lowered Technological Threshold
- ➔ Reduction in Redundant Exams

### OVERVIEW

- Exclusively dedicated to pediatric and obstetric care.
- Provides high level of expertise across San Francisco Bay Area and to other local hospital locations.
- Expanding network to bring patient care closer to home.

### CHALLENGES

- Coordination across various points of care.
- Overexposure radiation risks in young children.
- Exchange of medical images and data.

### SOLUTION

- Cloud solution enables easy image exchange.
- Workflows fire routing rules to successfully automate processes.
- SaaS vendor allows for simplified deployment and employee training.

## Key Benefits



### SIMPLIFIED DEPLOYMENT ACROSS A COMPLEX NETWORK

Prior to implementing a comprehensive outside image management solution, Stanford Children's Health utilized disparate systems for peer-to-peer image sharing and CD/DVD ingestion. Recognizing the need to standardize the OIM solution across various regional and national partnerships, Stanford Children's chose to go with a cloud-based suite, Ambra, to address their comprehensive OIM needs. This allowed their team to focus on the strategic goals of the project rather than worrying about the infrastructure deployment aspects, while also fulfilling many of the anytime, anywhere access requirements.

Reducing the number of disparate systems to facilitate image exchange, Stanford Children's has been able to cut costs and move towards one singular system.

### LOWERED TECHNOLOGICAL THRESHOLD

With many healthcare organizations housing their own IT systems and solutions, it becomes difficult for physicians to gain new insights or engage in collaborative care. The continued goal is to lower the technological threshold that outside facilities, and even patients, need in order to upload an image into Stanford Children's Health so that the various specialty and subspecialty providers can effectively deliver quality care. As Stanford Children's Health continues to partner with regional and national providers, its OIM solution will ultimately need to scale with this growth.

The Ambra cloud medical image management solution allows Stanford Children's to reach out to its referral base inside and outside its system without technical heavy lifting.

### REDUCTION IN REDUNDANT EXAMS

Like many health systems, Stanford Children's is expanding their network to bring care to the patient closer to home. Patients are frequently first seen by a primary care physician, then referred to a specialty center for imaging, and then to the main Lucile Packard Children's Hospital for further diagnosis, and potential treatment. As a result, coordination among these various care providers is absolutely critical, as is the sharing of medical imaging and data. Especially for those in pediatric care, parents are frequently anxious concerning overexposure to radiation for children

The cloud acts as a solution to making imaging available when and where it is needed, reducing the need for redundant imaging. In addition, Stanford Children's has been able to leverage their outside image management suite to allow for rapid and efficient image exchange among care providers while enhancing workflows that fire routing rules to successfully automate image sharing processes.

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“All stakeholders need to have a vested interest in setting up the OIM solution to gain strategic alignment and improve patient care.”

**DR. SAFWAN HALABI**

Medical Director of Radiology Informatics at Stanford Children's Health and Clinical Assistant Professor, Stanford University School of Medicine.