HIMSS-SIIM Enterprise Imaging Community Roundtable

April 15, 2020

HIMSS-SIIM Enterprise Imaging Community

Leadership

Kimberley Garriott

Principal Consultant
KSM Consulting

Christopher Roth, MD, MMCI, CPHIMS, CIIP

Vice Chair Radiology - Information Technology, Duke University
Director of Imaging Informatics Strategy

Alexander Towbin, MD

Associate Chief, Clinical Operations and Informatics
Neil D. Johnson Chair, Radiology Informatics
Cincinnati Children's Hospital Medical Center

Dawn Cram, RT(R)(M),CIIP

Managing Partner
The Gordian Knot Group, LLC

HIMSS Most Influential Women in Health IT Congratulations Kim

This award recognizes influential women at all stages of their career progressions - celebrating individuals who harness the power of information and technology to transform health and healthcare, they are unique among power lists and award programs, and they are inclusive of all women of influence, no matter where they may be in the health information and technology field.

- Kim Garriott has focused her career of more than 20 years on improving health outcomes and patient access through better data management and interoperability, specializing in clinical imaging data. As a Principal Consultant with KSM Consulting, Garriott serves as project executive for the development of a first-of-its-kind enterprise data sharing platform, governance model and activation strategy for the 29 agencies and offices within the U.S. Department of Health and Human Services. Garriott is co-founder and current co-chair of the HIMSS-SIIM Enterprise Imaging Community, a joint effort between HIMSS and the Society of Imaging Informatics in Medicine. Garriott also served as chair for the HIMSS Analytics Digital Imaging Adoption Model Global Development team. A popular speaker, Garriott presents on diverse topics including artificial intelligence, interoperability, telehealth and enterprise imaging. She seeks to help young women working in health IT hone skills for career advancement. She is also a member of Executive Women in Healthcare.

HIMSS-SIIM Enterprise Imaging Community

- Founded in 2014, the community provides an effective point of connection for clinicians and IT professionals to engage in the advancement of the enterprise imaging strategies.
- Community members share innovative ideas, contribute to the advocacy efforts and other thought leadership opportunities, participate in educational offerings, grow their own professional development, develop practical tools, and participate in networking opportunities.

Community

Networking opportunity to connect and communicate within industry.

E-News

Monthly collection of hot topics.

Whitepapers

Add something here

Workgroups

Add something here

Quarterly Webinars

Quarterly roundtables addressing common challenges for healthcare providers and associated professionals.

Conferences

Educational sessions and networking meet-ups offered at collaborator conferences.

Our White Papers

45K Downloads

1) *Technical Challenges of Enterprise Imaging*
2) *Workflow Challenges of Enterprise Imaging*
3) *The Current State and Path Forward for Enterprise Image Viewing*
4) *Orders- Versus Encounters-Based Image Capture: Implications Pre- and Post-Procedure Workflow, Technical and Build Capabilities, Resulting, Analytics and Revenue Capture*
5) *Considerations for Exchanging and Sharing Medical Images for Improved Collaboration and Patient Care*
6) *Enterprise Imaging Governance*
7) *A Foundation for Enterprise Imaging*
8) *10 Steps to Strategically Build & Implement Your Enterprise Imaging System*
9) *Interoperability and Standards-based Exchange of Medical Images*

https://siim.org/page/himss_siim_white_pap

Agenda

- Welcome (3 min)
- Workgroup Updates:
  - **Photodocumentation (3 min)**
  - **Multimedia Interactive Content Reporting (3 min)**
  - **Medical Vocabulary Standardization Initiative (3 min)**
- Medical Vocabulary Standardization Initiative (3 min)
- **How Enterprise Imaging is Leveraged for Patient Care from a Distance** (30 min)
  - **Q&A (10 mins)**
- Upcoming Activities/Events (3 min)

Photo Documentation

- **Purpose: to provide a forum for discussion of the clinical and technical challenges and opportunities associated with photodocumentation.**
  - Integration with other industry efforts to ensure convergence of our efforts.
  - Goal: two whitepapers
    - Clinical focused on HIPAA, Privacy and Sensitive Photos
    - Technical addressing security of photographs and photograph acquisition devices.

Cheryl Petersilge MD, MBA
Founder & CEO
Vidagos Advisors

Photograph Access – V4.March 42

Who sets access type	Access* Provider	Access* Patient	Access* Proxy	Sharing	Use Case (discussion purpose only)	Access Type
Default	All	All	All	All	General use	Open
Default	None	None	None	None	Forensic & evidentiary photos; research	Sequestered
Default	None (break the glass – request permission)	None	None	None	Forensic & evidentiary photos; research	Sequestered
Provider	Based on provider type	All	Per patient	Per clinical needs, pt preference, ROI policies	Genitalia	Limited access
Provider	All	None	None	As above	Gruesome photographs	Patient restricted
Patient	All	None	Per patient **	As above	Gruesome photographs	Patient restricted

*Via universal viewer

**Viewer warning or opt in

Multimedia Interactive Content Reporting

Purpose: to provide a multidisciplinary forum for discussion of the clinical, political and technical challenges and opportunities associated with Multimedia interactive content reporting.

Goal: Author a white paper and IHE Profile

- Status quo workflows, acquisition, storage, management, reporting
- Long/short term goals such as universal image access
- Challenges to reach above goals (e.g. interoperability)

https://siim.org/page/himss_wg_multimedia_interactive

Les Folio, DO, MPH, FAOCR, FSABI
National Institutes of Health
Clinical Center

Data Standards Evaluation

- **Purpose: to analyze existing standards for nomenclature related to body part and anatomic region, for purposes of multidisciplinary relativity and systems interoperability delivered internally and externally across healthcare organizations.**
  - Goal 1: Identify needed characteristics and criteria
  - Goal 2: Develop evaluation model
  - Goal 3: Evaluate existing ontologies
  - Goal 4: Educate

Dawn Cram, RT(R)(M), CIIP
Managing Partner,
The Gordian Knot Group, LLC
Healthcare IT Advisory Services

SIIM Medical Anatomy Labeling Summit Postponed

Alexander Towbin, MD
Cincinnati Children's Hospital

Summit Purpose: to collectively work towards selecting a preexisting body part ontology to use in enterprise imaging

- Help to unlock the power of Enterprise Imaging
- Allow vendors to create multidisciplinary solutions that efficiently present relevant data to physicians, nurses, and other health care providers

Questions?

How Enterprise Imaging is Leveraged for Patient Care from a Distance

Moderator:
Dawn Cram, RT(R)(M), CIIP
Managing Partner,
The Gordian Knot Group, LLC
Healthcare IT Advisory Services

Alexander Towbin, MD

Associate Chief, Clinical Operations and Informatics
Neil D. Johnson Chair, Radiology Informatics
Cincinnati Children's Hospital Medical Center

Anil Parwani, , MD, PhD, MBA

Professor of Pathology and Biomedical Informatics
Vice-Chair of Anatomic Pathology
Director of Pathology Informatics
Director, Digital Pathology Shared Resources
Wexner Medical Center - Department of Pathology

Toby C. Cornish, MD, PhD

Medical Director of Pathology Informatics
Medical Director of the LIS, UCHealth
Associate Professor of Pathology
University of Colorado School of Medicine

Christopher Roth, MD, MMCI, CPHIMS, CIIP

Vice Chair Radiology - Information Technology, Duke University
Director of Imaging Informatics Strategy

Veronica Rotemberg, MD, PhD

Dermatologist
Memorial Sloan Kettering Cancer Center

Digital Pathology

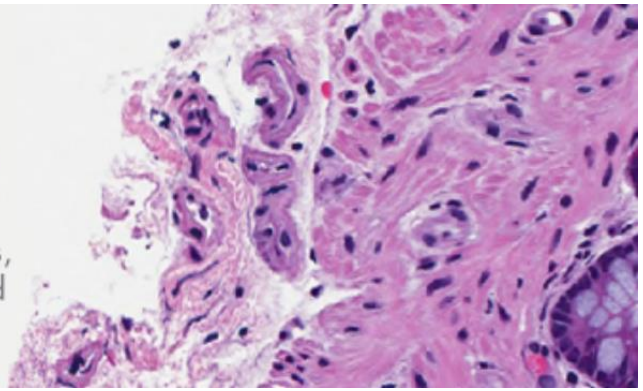
"A dynamic, image-based environment that enables the acquisition, management and interpretation of pathology information generated from a digitized glass slide. Often used interchangeably with 'Virtual Microscopy.'"

DIGITAL PATHOLOGY ASSOCIATION

DPA

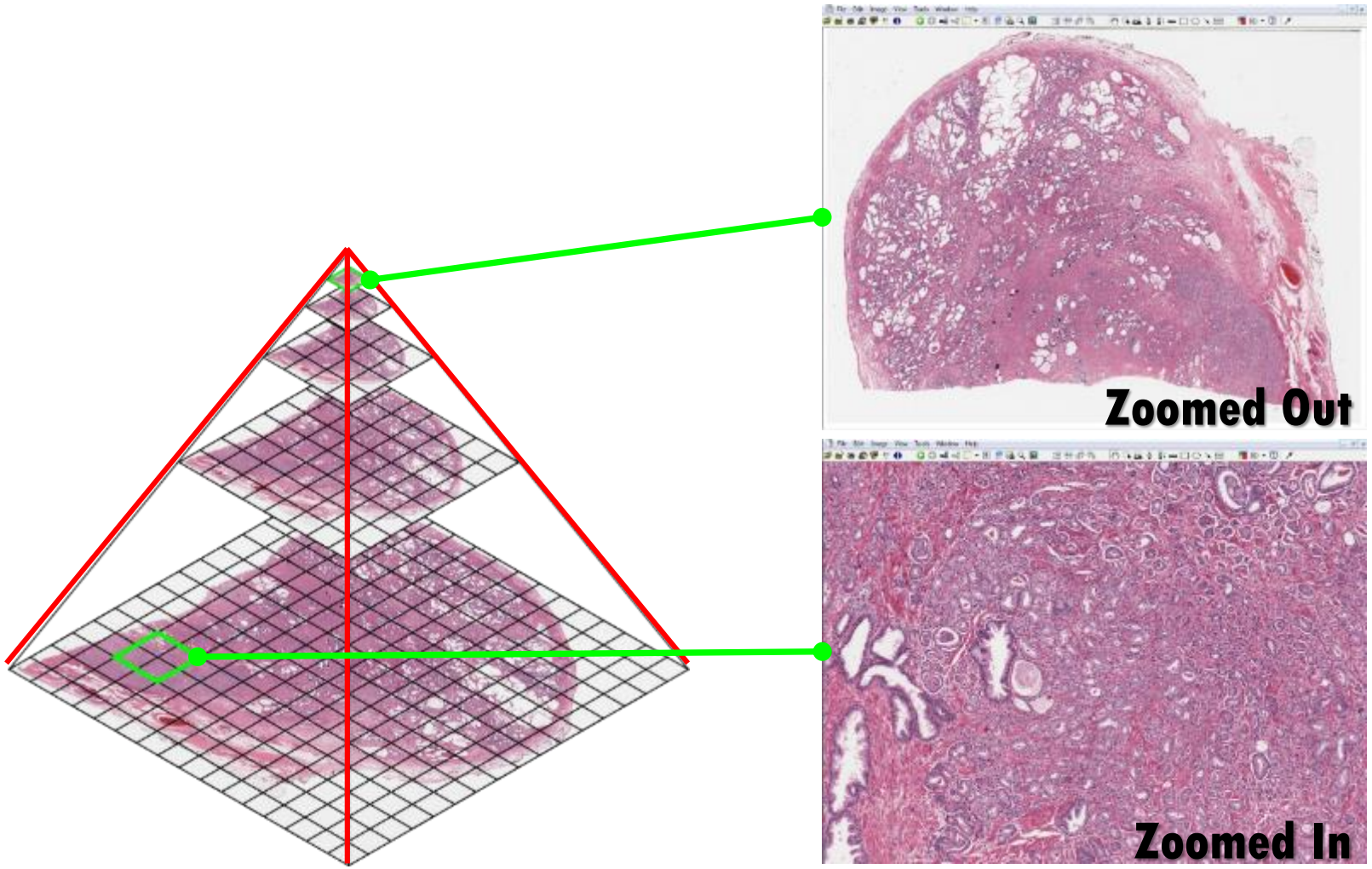
WHAT IS THE DIGITAL PATHOLOGY ASSOCIATION?

The DPA is a nonprofit organization comprised of pathologists, scientists, technologists and industry representatives dedicated to advancing the field of digital pathology.



Definition from: https://digitalpathologyassociation.org/glossary-of-terms_1 (accessed January 2020), Images from: https://digitapathologyassociation.org (Accessed January 2020)

Whole Slide Imaging (WSI)



Recreates the glass slide as a virtual image object

A “pyramid” with a thumbnail on top and high resolution on the bottom

FDA News Release

FDA allows marketing of first whole slide imaging system for digital pathology

SHARE TWEET LINKEDIN PIN IT EMAIL PRINT

For Immediate Release

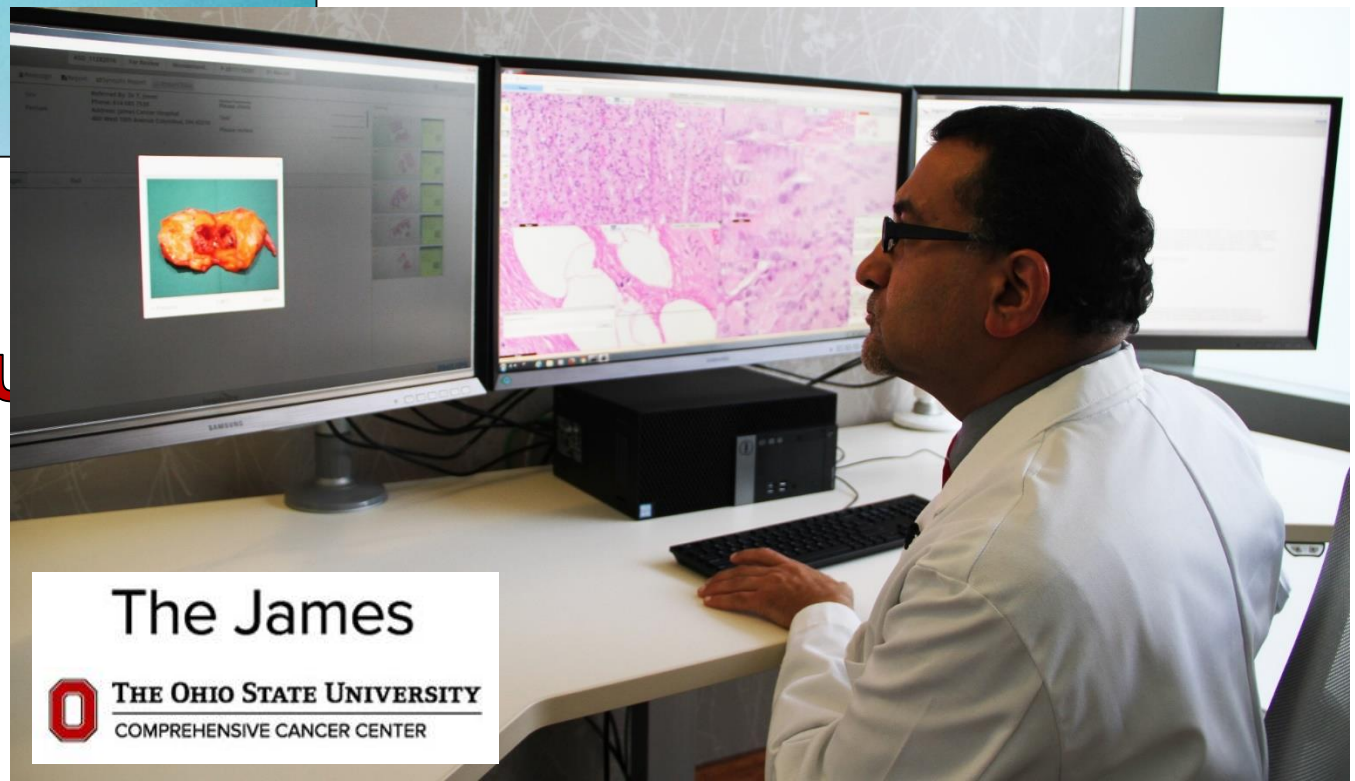
April 12, 2017

Release

The U.S. Food and Drug Administration today permitted marketing of the Philips IntelliSite Pathology Solution (PIPS), the first whole slide imaging (WSI) system that allows for review and interpretation of digital surgical pathology slides prepared from biopsied tissue. This is the first time the FDA has permitted the marketing of a WSI system for these purposes.

https://www.fda.gov/NewsEvents/Newsroom/PressAnnouncements/ucm552742.htm

Anil Parwani



First digital case signed ou
in the United States

https://twitter.com/PathGeek/status/998975873746423809

"Hybrid" slide scanners: Multiple objectives

- A full set of objectives is required for "hybrid" slides scanners
- Hybrid slide scanners can be used for both static whole slide imaging and for robotic live telepathology

http://www.mikroscan.com/whole-slide-scanners/mikroscan-sl5/

OLYMPUS
BX43
RECYCLE

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Dermatologist
Memorial Sloan Kettering Cancer Center

Point of Care Ultrasound:
COVID Response

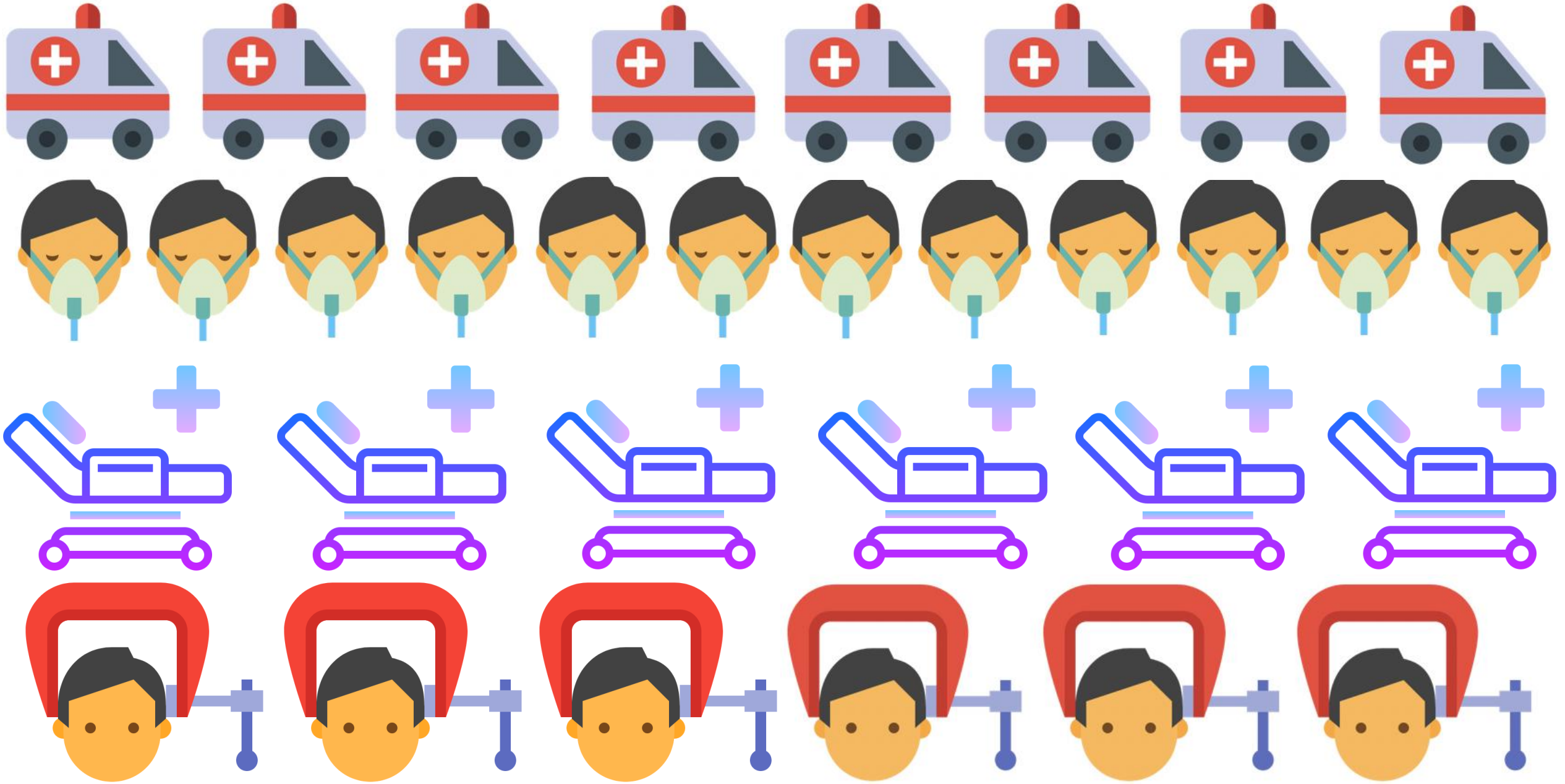
April 15th 2020

DukeHealth

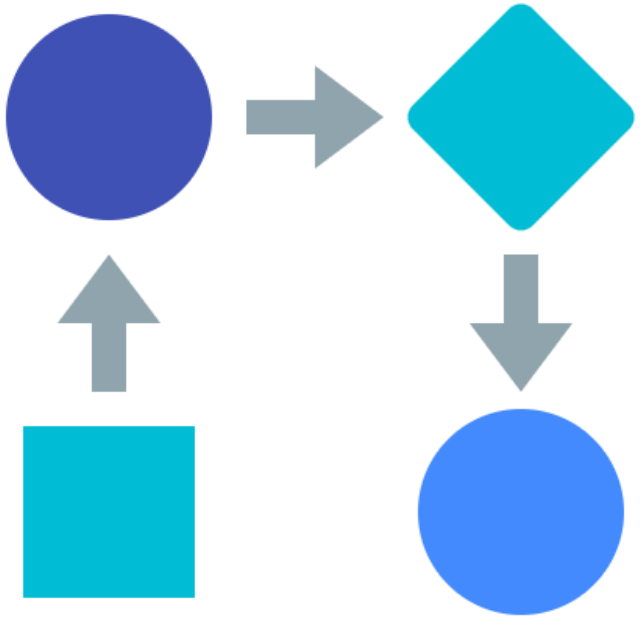
Christopher J. Roth @ChrisRothMD · Mar 28

Me, yesterday: "The last time I have seen #leadership focus and collaborate this well was when we put in #Epic #EHR in 2013. I don't like associating Epic with a viral #pandemic, but it is the truth." #HealthcareHeroes 💪👍

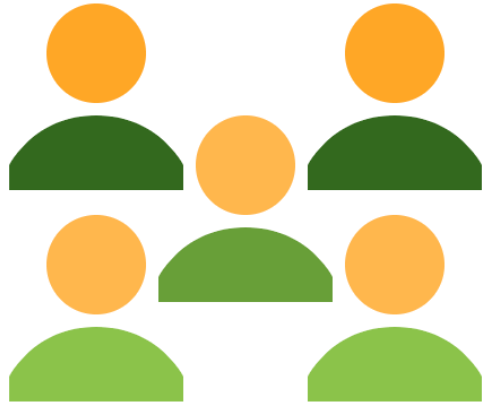
How To Support The ED and ICUs?

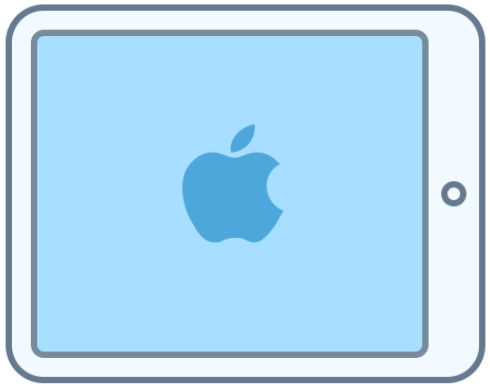


What We Had



What We Didn't Have





Encounter Based Point of Care US

Clinical (3 Hospitals; 18 MD "Owners")	Information Tech. Teams	Administrative
Every ED "pod"	Information Security	Legal
Every ICU	Interfaces	Procurement
Every Vascular Access service	Clinical Engineering	Governances
Every Periop	Field Services	Command Center
Critical Overflow	Imaging Physics	Finance
Spares	EHR Imaging	
	Image Management	
	Applications	

Encounter Based Point of Care US

Springer Link

Open Access | Published: 14 July 2016

Orders- Versus Encounters-Based Image Capture: Implications Pre- and Post-Procedure Workflow, Technical and Build Capabilities, Resulting, Analytics and Revenue Capture: HIMSS-SIIM Collaborative White Paper

Dawn Cram, Christopher J. Roth & Alexander J. Towbin

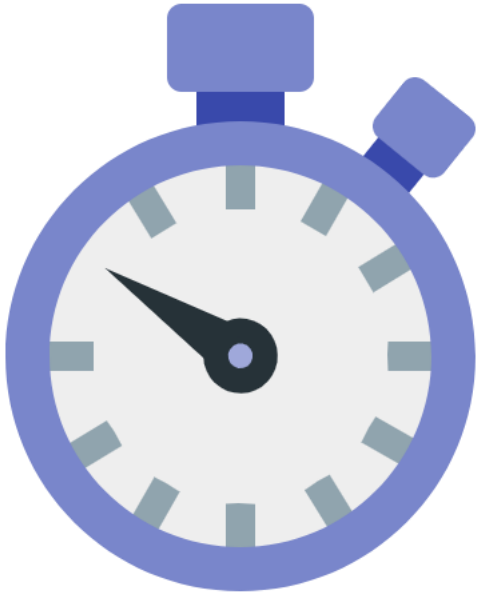
Journal of Digital Imaging **29**, 559–566(2016) | Cite this article

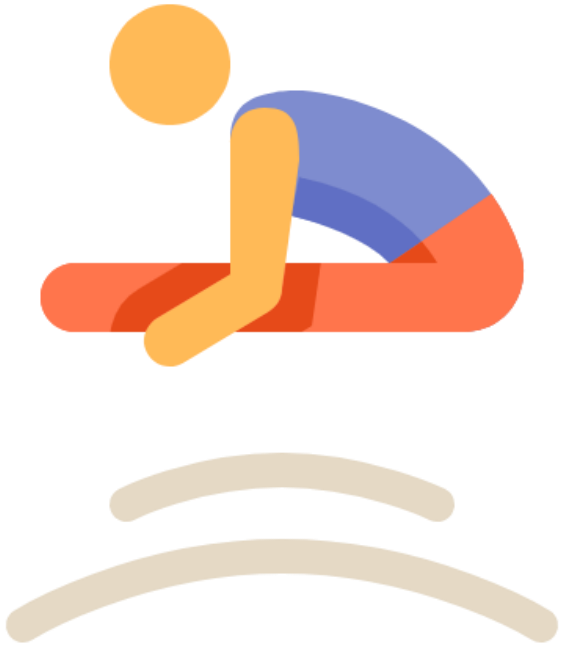
5333 Accesses | **8** Citations | **23** Altmetric | Metrics

Abstract

The decision to implement an orders-based versus an encounters-based imaging workflow poses various implications to image capture and storage. The impacts include workflows before and after an imaging procedure, electronic health record build, technical infrastructure, analytics, resulting, and revenue. Orders-based workflows tend to favor some imaging specialties while others require an encounters-based approach. The intent of this HIMSS-SIIM white paper is to offer lessons learned from early adopting institutions to physician champions and informatics leadership developing strategic planning and operational rollouts for specialties capturing clinical multimedia.

Lessons Learned





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HIMSS-SIIM Questionnaire on Terminology

- **ACTION:** Participate in this short survey to shape recommendations to industry and clinical care bodies on how body part and anatomic region is encoded in imaging data and supported in the systems you use for clinical care.
- **GOAL:** Analyze the anonymous input, and existing standards, to prepare recommendations that will be published.
- **LINK:** will be sent to all registrants.

Upcoming Events

- **Monthly eNewsletter**
- **Monthly Workgroup Meetings**
- **HIMSS-SIIM Enterprise Imaging Community In-Person Meetup**
  - SIIM | June 24-26, 2020 | Austin, TX
  - RSNA | November 29 – December 4, 2020 | Chicago, IL
  - HIMSS | March 1– March 5, 2021 | Las Vegas, NV
- **Next HIMSS-SIIM Enterprise Imaging Community Virtual Roundtable**
  - July 15, 2020 |

Meet the 2020 HIMSS Most Influential Women in Health IT

- **Complimentary Virtual Event | April 23, 2020, 11:00am CT**

  Get inspired by the recipients of the HIMSS's Most Influential Women in Health IT Award. This panel of distinguished women will share their journeys of transformational change and innovation in the health sector. They have shown that one can be influential at any career stage and across the healthcare trajectory, from care delivery, to informatics, to business.

  Geeta Nayyar, MD, Chief Medical Officer, Greenway Health

  Eva Karp, DHA, MBA, RN-BC, FACHE, Sr. VP, Chief Clinical and Patient Safety Officer, Cerner Corporation

  Iris P. Frye, MS, MBA, CPHIMS, Founder and Chief Innovator, Parity Health Information and Technology

  Kim Garriott, Principal Consultant, KSM Consulting

  Lucie Ide, MD, PhD, Founder & Chief Health Innovator, Rimidi Inc.

  Tressa Springmann, SVP & CIO, Lifebridge Health

  Denise Hines, DHA, PMP, FHIMSS, Chief Americas Officer, HIMSS

https://www.himsslearn.org/meet-2020-most-influential-women-health-it

Thank you.