

THE BIGGER PICTURE

Connecting point-of-care medical images for a comprehensive patient imaging record and eliminating silos of imaging data



MEDICAL IMAGING NO LONGER OCCURS SOLELY IN RADIOLOGY AND RADIOLOGY.

Point-of-care image capture exists in nearly every corner of the hospital — from the emergency department to dermatology, ophthalmology and other specialty departments — and the number of images captured continues to grow dramatically.

GROWTH SPURT

REASONS FOR THIS UNPRECEDENTED GROWTH:



INNOVATION

Point-of-care device vendors are building smaller, more portable units — most with a price tag that won't break the budget. That industry is expected to grow to from \$8.7 billion in 2019 to nearly \$20 billion in 2030ⁱ.



EDUCATION

Most residency and fellowship programs now include specialty image capture and interpretation education. New clinicians not only understand how to operate the technology, they're confident making immediate care decisions based on the imaging procedure performed.

99%

the accuracy with which Google's DeepMind can diagnose 50 ophthalmic conditions by reading 3D retinal OCT scansⁱⁱ



LOST IN SPACE

POINT-OF-CARE IMAGES RARELY FIND THEIR WAY TO THE ORGANIZATION'S CORE MEDICAL IMAGING ARCHIVE, and therefore stay trapped in disparate departmental silos.

When images are inaccessible via the electronic medical record (EMR) or an enterprise imaging solution, clinicians can't see them or use them to make impactful care decisions.



>7.2 Billion

Number of study data objects stored annually in a typical VNA



75%

Medical images that are non-DICOM in natureⁱⁱⁱ



89%

Survey respondents who say storing and accessing all clinically relevant information is an important objective^{iv}

WHERE ARE POINT-OF-CARE IMAGES USED?

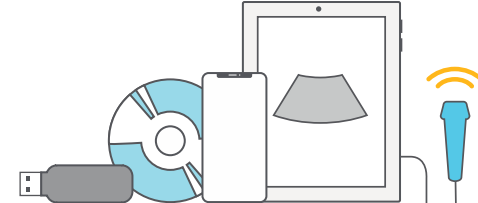
MANY CLINICAL DEPARTMENTS AND AREAS are using point of care medical imaging.

+ EMERGENCY DEPARTMENT

WHAT: Evidence imaging, documenting a patient's current state^v

HOW: Mobile phones, tablets, bedside ultrasound

WHERE: Individual devices, printed images, proprietary clouds



GASTROENTEROLOGY

WHAT: Investigate entirety of digestive system

HOW: Endoscopy, scopes, ultrasound, ingestible pill-sized cameras and more

WHERE: Proprietary systems



DERMATOLOGY

WHAT: Document, assess and monitor cutaneous disease

HOW: Dermatological cameras, mobile phones and tablets

WHERE: Proprietary systems and on devices



OPTHALMOLOGY

WHAT: Identify pathology and monitor therapy response

HOW: Optical coherence tomography, confocal microscopy and more

WHERE: Specialty image archives



♀ WOMEN'S HEALTH

WHAT: Document fetal and maternal well-being, reproductive health

HOW: Ultrasound, colposcopy

WHERE: Proprietary systems

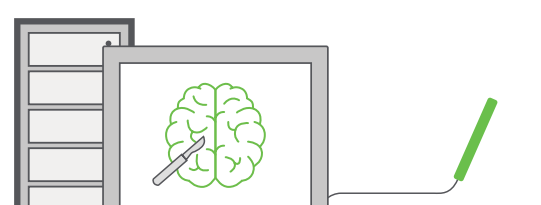


SURGERY

WHAT: Diagnostic, therapeutic and intervention in disease progression

HOW: Videos, visible light scopes, optical imaging, augmented reality and more

WHERE: Proprietary systems

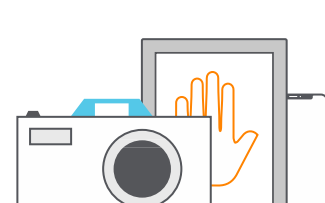


WOUND CARE

WHAT: Evidence Imaging to assess and monitor wound tissue composition

HOW: Cameras, mobile phones and tablets

WHERE: Proprietary systems and devices



BUILD THE RIGHT ANSWER

THERE IS A SOLUTION. Hyland Healthcare's enterprise imaging solutions provide the the foundation to support point-of-care imaging at all the corners of the healthcare organization.

CAPTURE AND CONNECT

Improved interoperability that automates and normalizes imaging data.

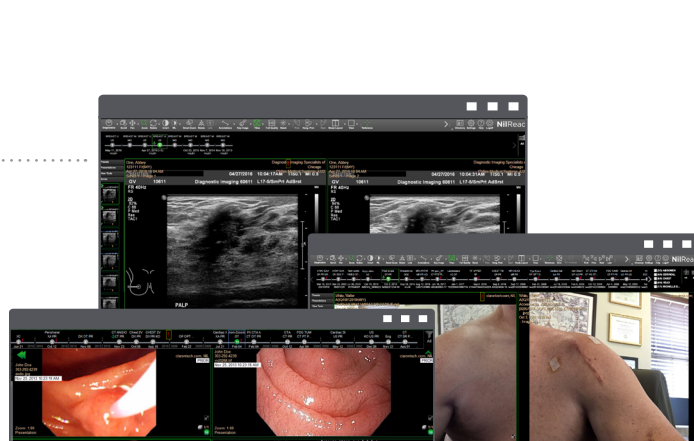


ARCHIVE AND MANAGE

Safely consolidate storage and intelligently manage imaging data.

ORCHESTRATE AND VISUALIZE

Support impactful care decisions with workflow and viewing experience.



Download our ebook, **Seeing the bigger picture** to learn more about enterprise imaging and implementing a point-of-care strategy at your organization.

Learn more at HylandHealthcare.com/EnterpriseImaging

Sources:
i. ResearchAndMarkets.com, *Global point-of-care imaging devices market worth \$19.84B by 2030 - Analysis of 23 leading countries and 16 players*, 2020.
ii. Qi, Susan Ruyu, *Google DeepMind might have just solve the 'Black Box' problem in medical AI*, April 2018.
iii. IHS Markit, *Medical enterprise data storage*, 2017.
iv. Hyland Healthcare, HIMSS Analytics commissioned survey, 2017.
v. AuntMinnie.com, *What's your strategy for encounter-based imaging?*, 2019.