DIGITAL PATHOLOGY ANNUAL REPORT

2020 IN REVIEW

2020 took many unexpected turns, but cancer never slowed down in the face of the COVID-19 pandemic. Digital pathology adoption crossed an inflection point as laboratories adjusted to new ways of working, paving the way for pathology's AI-enabled future.

COVID-19: THE UNEXPECTED CATALYST

Unlike ever before, a laboratory's ability to operate in 2020 became directly tied to its digital footprint due to a heightened need to serve patients remotely. In response, the FDA issued emergency guidance aimed at helping laboratories rapidly get up-and-running with digital pathology[1], and CMS issued a waiver making it easier for pathologists to work from home, leading to a surge in digitization[2].

INDUSTRY GROWTH

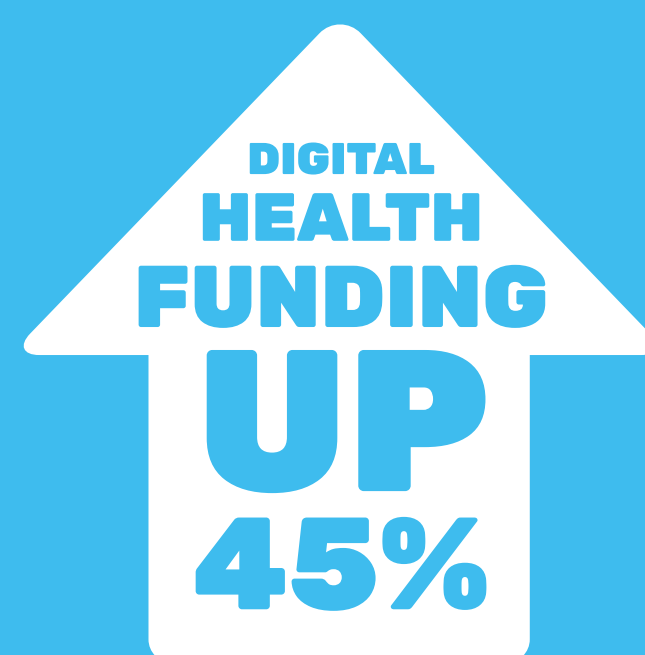### World's largest tissue repository goes digital

The Joint Pathology Center announced plans to modernize, unleashing a transformative wave of biomedical research[3].

55M+ GLASS SLIDES

31M+ TISSUE BLOCKS

500K+ WET TISSUE SAMPLES
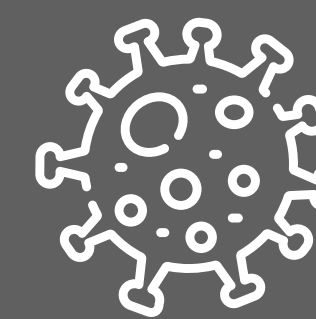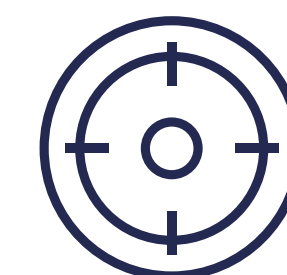
DIGITAL HEALTH FUNDING UP 45%

Record-breaking investment

Digital pathology was no exception, signaling mainstream recognition that now is the time to advance cancer diagnosis and research[4].

Other big names go digital

- The NHS executes a multi-million pound initiative
- Mayo Clinic elevates its practice
- Norway realizes the future of pathology
- Israel's leading HMO deploys AI into its workflows
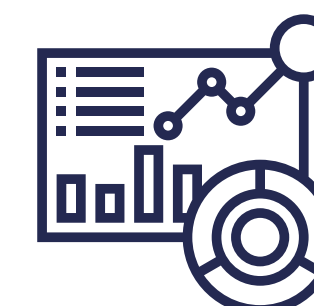
2X SCANNER PLACEMENTS YoY[5]

READY FOR AI

In a recent survey[6], respondents from the pathology community revealed the following as the biggest benefits of AI adoption...

80% SAID QUALITY IMPROVEMENTS

68% SAID IMPROVED ACCURACY

63% SAID GAINING NEW INSIGHTS

55% SAID OPERATIONAL EFFICIENCY

TOP REASONS TO GO DIGITAL[7]

- Rise in biopsy volume
- Shrinking pathologist population
- Reimbursement cuts
- Improved collaboration
- Cost savings
- Efficiency gains
- Gaining new insights from AI

13-21% PRODUCTIVITY AND EFFICIENCY GAINS FOR DIGITAL LABORATORIES

RESOURCES

Looking to learn more about digital pathology? Here are some helpful resources:

Digital Pathology Association

Dark Intelligence Group

Proscia

[1] https://www.fda.gov/media/137307/download
[2] documents.cap.org/documents/clia-cms-remote-work.pdf
[3] https://www.ncbi.nlm.nih.gov/books/NBK236827/
[4] State of Healthcare Report: Sector And Investment Trends To Watch (CB Insights, 2021)
[5] Proscia (Data on file)
[6] Digital Pathology and AI Adoption Survey (Proscia, 2020)
[7] Anatomic Pathology At the Tipping Point: The Economic Case for Adopting Digital Technology and AI Applications Now (Dark Intelligence Group, 2020)

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