E-Path *Suite*

Cancer Registry Automation for NHS Laboratories

The responsibility for ensuring a hospital meets its obligations to the cancer registry all too often falls on the under-resourced NHS laboratory. Furthermore, successfully surfacing all instances of reportable cancer to arrive at accurate, complete and timely datasets is compounded by questions of subjectivity around what constitutes a reportable case, a lack of consistency in how a case is recorded, the sometimes antiquated laboratory information management systems from which the data needs to be extracted and the potential levying of fines for failure to meet standards.

Powered by Inspirata's AI and NLP

E-Path Reporter

E-Path Reporter optimises the cancer registry workflow by deploying fine-tuned artificial intelligence to interpret the text of diagnostic reports instantly on production, and then using local or jurisdiction-specific rules to identify reportable cancer cases. On identification, the reportable case is sent directly to the cancer registry resulting in an end-to-end workflow of mere seconds and with a greater accuracy and efficiency than what might otherwise be achieved through existing manual efforts.

E-Path Reviewer

E-Path Reviewer builds on the foundation afforded by E-Path Reporter by providing the laboratory with the additional flexibility to review cases prior to syndication. Surfacing coding data elements related to morphology, topography, laterality and grade, and pathologic (TNM) staging information, E-Path Reviewer offers scope to quality assure and/or triage cases before they are sent to the registry or relevant internal stakeholders within the hospital trust for further data abstraction.
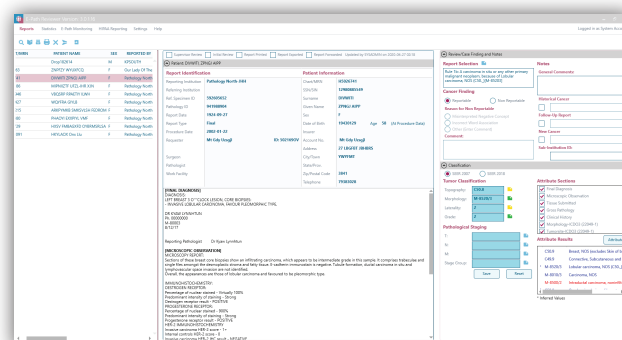
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Schedule a Demonstration of our E-Path Suite Today:
http://inspirata.link/E-Path-Demo-UK
Contact Us: +44 (0)1628 599304

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E-Path Plus

The formal separation of pathology data away from the patient pathway elements of Cancer Outcomes Services Dataset (COSD) v9.0 means individual NHS laboratories are now wholly responsible for executing the abstraction r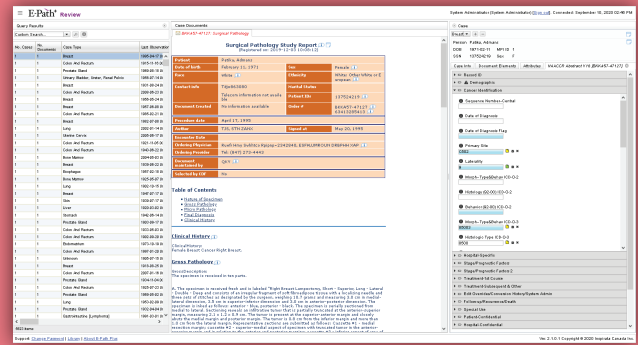equirements associated with the new Pathology v4.0. With the spectre of financial penalties for those sites falling short of conformance, E-Path Plus provides laboratory management with a means of effecting tremendous time-savings and improvements in the overall accuracy and consistency in performing this critical abstraction exercise.
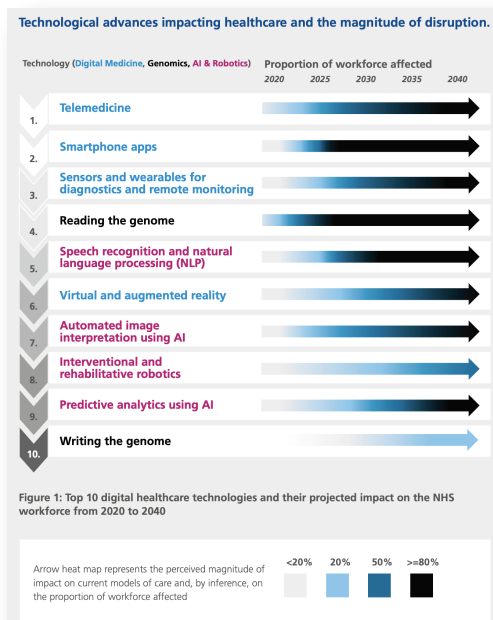

Benefits of the E-Path Suite

• Ensures compliance with statutory reporting requirements.

• Accelerates case throughput by removing the need for pathologist to identify all reportable cases.

• Reduces laboratory, IT and administrative staff resources typically spent generating extracts for electronic submission, or in preparing reports for submission by post or fax.

• Eliminates laboratory staff time responding to cancer registry requests for missing pathology reports.

• Requires negligible ongoing input or support from laboratory staff or from IT.

• Compatible with any LIMS via HL7.

NLP for Cancer Reporting

Inspirata's cancer registry automation solutions utilise Natural Language Processing (NLP) based artificial intelligence fine-tuned for cancer and disease reporting requirements. Inspirata's NLP engine is predicated on algorithms proven to achieve sensitivity and specificity scores of 99% and 98% respectively, removing operator variability and far exceeding human performance.

The Topol Review, an independent report commissioned by The Secretary of State for Health and Social Care, cited NLP as one of the top five technological advances set to impact the provision of services delivered by the NHS.

Illustration sourced from The Topol Review, 2019, pg. 27 www.topol.hee.nhs.uk

Figure 1: Top 10 digital healthcare technologies and their projected impact on the NHS workforce from 2020 to 2040

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Why Inspirata?

• Over 100 global institutions use our automated cancer identification and reporting solutions.

• Established cancer reporting network and workflow within which we process >20M clinical reports/year to identify all reportable cancer cases.

• 99% accuracy in cancer case-finding as documented in National Cancer Institute and other third party validation studies.

• Knowledge-driven capturing institutional and expert knowledge to enable continuous improvement.

• Designed for cancer, our NLP and AI tools are developed and continuously updated by clinical cancer experts and validated by national, state and federal registries worldwide.

• Algorithms developed by oncology experts.

"E-Path Reporter has had a significant impact on my department's manpower, my ability to plan and balance resources, do more studies and move the case-finding abstracting date backward. Now that we are spending less time looking for patient data, we are able to focus on how to make registry data more sophisticated."

Dr. Juanita Pratt
Manager, Cancer Registry Operations and
Clinical Documentation and Treatment Records
UC Davis Comprehensive Cancer Center, California

Pathology v4.0 NHS Conformance Consultations

http://inspirata.link/Pathv4

Assisting NHS pathology, medical record, and cancer services departments automate their abstraction processes, book time with one of our registry automation experts today for a one-to-one consultation on strategies to help you achieve conformance.

Digital Pathology

Cancer Registry

Clinical Trials

Healthcare Data
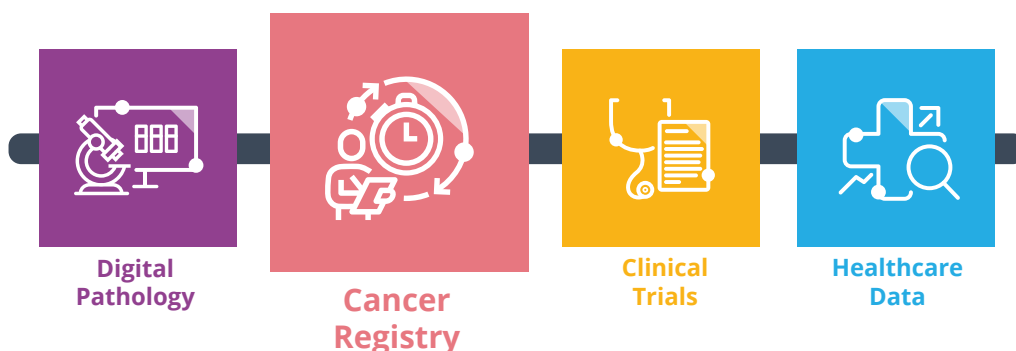
Make Every Moment Matter

Inspirata helps patients—and the clinicians they trust—make every moment matter in their fight against cancer. Our comprehensive cancer informatics solutions bring disparate data together from across the entire cancer care journey. We combine leading digital pathology solutions with automated cancer registry solutions, comprehensive cancer informatics, and advanced patient engagement tools to afford healthcare providers the broadest oncology informatics platform available.

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