

E-Path *Plus*

Cancer Registry Automation For NHS Cancer Services



Case identification typically represents just the first step in the overall cancer registry reporting workflow. Execution of regulatory, coding, reporting, and care-planning data collection requirements necessitates the cancer services team review, abstract and document from any given report what is often several hundred pertinent data elements. With the volume of reports requiring abstraction increasing exponentially year-on-year, the time-consuming manual sifting of records to surface these critical individual data points not only fails to make best use of the skill-sets and experience of what is often a stretched cancer services team, but also contributes to delays in cancer research.

Benefits:

- Acceleration of incoming pathology report review, coding and eligibility verification processes.
- Elimination of time-consuming patient demographic data-entry requirements.
- Reduction in costly errors caused by missing data and human variation.
- Improved timeliness of pathology notifications.
- Immediate identification of relevant candidates for studies and trials.
- Greater institutional confidence in the quality of critical clinical datasets.
- Reduced risk of penalties for failing to provide registry datasets (COSD v.9)

E-Path Plus

Utilising artificial intelligence purpose-built for the interrogation of pathology reports and related documents (diagnostic imaging and visit reports) produced during the cancer patient pathway, E-Path Plus affords enormous time savings and significant improvements in the overall accuracy and consistency of how critical clinical data elements are surfaced and abstracted.

Safely accelerating the individual and collective throughput of the cancer services team, E-Path Plus enables NHS trusts to better adjudicate cases, quickly identify relevant candidates for studies and trials, and fulfil the multitude of requests for clinical or research datasets related to population health, clinical studies and registry reporting such as the Cancer Outcomes Services Dataset (COSD).

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 predicted on algorithms proven to achieve sensitivity and specificity scores of 98% and 99% 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.

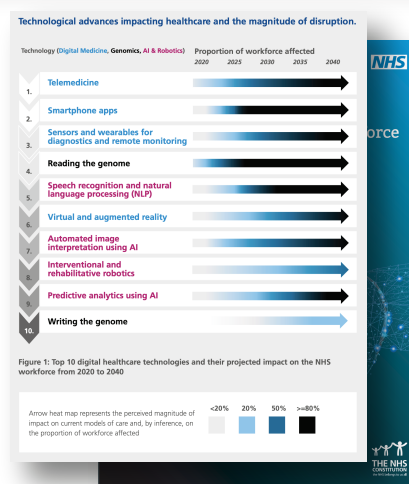


Illustration sourced from The Topol Review, 2019, pg. 27 www.topol.hee.nhs.uk

Interested in Learning More?

Schedule a Demonstration of our E-Path Suite Today:
<http://inspirata.link/E-PathDemo>
Contact Us: +44 (0)1628 599304

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 proven to reduce 80% of manual abstraction effort.

"Inspirata's solutions accurately identify eligible cancer pathology reports missed by previous notification methods with a high degree of sensitivity and specificity. We now receive 60 percent more reportable pathology notifications than we did prior to implementation, including those for ancillary studies. This has greatly improved our case-finding completeness and contributed to more accurate and precise diagnosis and cancer classification."

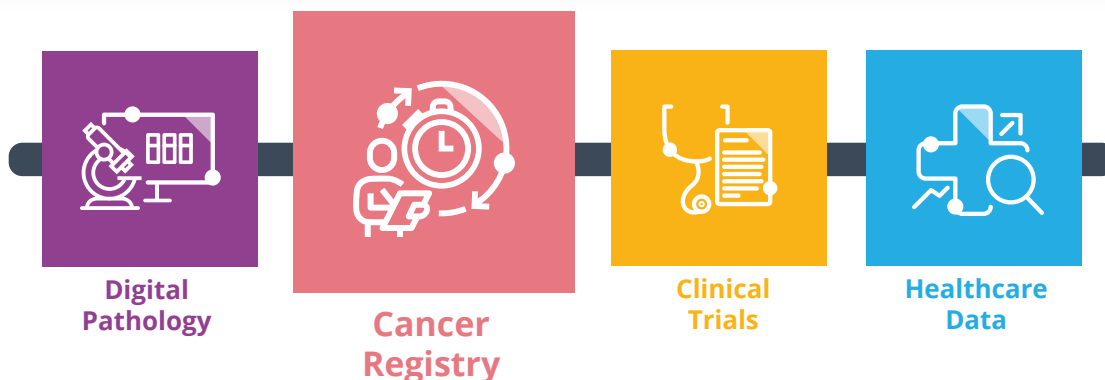
Dr. Catherine Shang, Ph.D.,
Deputy Director of the Victorian
Cancer Registry, Australia



Pathology v4.0 NHS Conformance Consultations

<http://inspirata.link/COSD>

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.



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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