

Quadris™ Data Solutions

Extract and Transform Unstructured Documents into Analytics-Ready Data

Every year, about 80 megabytes of information is added to a patient's medical record¹. Over the course of their healthcare journey, this adds up to vast amounts of valuable patient data. About 80% of that data exists in unstructured and image-based documents². Extracting, processing and interpreting this information is often manual, time-consuming and expensive – many times it is simply ignored.

MAKING MISSION-CRITICAL PATIENT DATA EASILY ACCESSIBLE

NantHealth's Quadris Data Solutions unlock value within healthcare data by using a proprietary platform, methods and professional services to efficiently extract and analyze data to automate workflow and enable confident decision making. Quadris Data Solutions are designed to:

- Provide immediate actionable information to payers, providers and life sciences organizations
- Reduce the need for expensive in-house technical staff
- Streamline administrative and clinical workflows

QUADRIS DATA SOLUTIONS:



Curation Services

Turn-key ability for data ingestion, optimization and storage services for data buyers and/or providers who lack the ability or in-house expertise to curate, structure and prepare data



Curation Platform

SaaS platform provides image-based document navigation, key term identification and progressive NLP for organizations with in-house curators needing advanced tools



EMR Insights Browser

For use by organizations seeking to streamline manual clinical record review, tools that enable image-based document navigation or augment their prior authorization process with auto-correction of records



QUADRIS NATURAL LANGUAGE PROCESSING (NLP) TECHNOLOGY

Quadris leverages advanced NLP models to continually improve the quality and accuracy of targeted data. Other data extraction methods ingest every statistic and line-item available, regardless of relevance and accuracy, requiring vast time and resources for manual sifting. In contrast, Quadris enables rapid access to essential data in support of specific and predefined business and patient-related needs.

KEY BENEFITS

- Unveil hard-to-access patient data that can provide a more complete view and timely, better-informed care
- Receive accessible, structured and optimized data for evaluation and analysis by medical staff, physicians or networks
- Leverage cloud-based platform scalability to absorb, process, and utilize any volume of data, regardless of size

KEY FEATURES

- Document analysis and orientation correction
- Trained and automated file selection
- Adaptive Optical Character Recognition (OCR)
- Targeted and trained field tagging
- Interactive and progressive NLP training

Quadris Data Solutions provide meaningful and actionable data to optimize time and resources while improving patient outcomes through intelligence.

1. Huesch, D., and Mosher, T. J. (2017). "Using It or Losing It? The Case for Data Scientists Inside Health Care." NEJM Catalyst.

Available online at: <https://catalyst.nejm.org/case-data-scientists-inside-health-care/>

2. Kong, Hyoun-Joong. "Managing Unstructured Big Data in Healthcare System." Healthcare informatics research vol. 25,1 (2019):

1-2. doi:10.4258/hir.2019.25.1.1 Available online at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6372467/>

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