quantiphi
Solving What Matters

Gen AI-powered Pharmacovigilance

Redefining Drug Safety with baioniq

aws PARTNER Premier Tier Services

Addressing Core Challenges

Life sciences organizations grapple with extracting actionable insights from vast, unstructured data across sources such as clinicaltrials.gov, PubMed, and health sites. Varying data formats and accessibility issues further complicate the process. Efficient search, classification, and integration mechanisms are paramount to streamlining pharmacovigilance and advancing drug safety and patient care.

Quantiphi's Gen AI-fueled Pharmacovigilance

baioniq, Quantiphi's Generative AI platform, enhances the analysis of adverse drug reaction reports, adverse event summarization, and risk assessment reports. Seamlessly integrated with PubMed and powered by AWS, our platform swiftly sources and analyzes medical data, ensuring timely and accurate insights that bolster patient safety and support regulatory compliance.

Key Features

Search & Summarization:

Analyze publicly available data sources for potential adverse events

Rapid Adverse Event Detection:

Use generative AI to identify adverse events, enabling early risk detection

Case Summarization:

Cluster similar cases to aid reporting to regulatory authorities

Integrated Reporting:

Integrate PubMed data, and adverse event reports for streamlined decision-making

Benefits of Generative AI-powered Pharmacovigilance

Enhanced Patient Safety

Rapid detection of adverse events enables effective patient care and mitigates risks

Cost Efficiency

Minimizes costs associated with delayed interventions and regulatory submissions

Data-Driven Insights

Real-time data processing delivers actionable insights for informed drug safety decisions

Regulatory Compliance

Ensures alignment with evolving regulatory standards, mitigating compliance risks

Customer Success Stories

Enhanced Clinical Trial Efficiency with AI-Assisted Protocol Writing

Challenges

- Managing vast and scattered data sources
- Cumbersome manual access to clinical trial data
- Lengthy protocol writing process, taking up to 24 weeks

Solution

- Implemented baioniq for adverse event reporting and data integration
- Enabled seamless collection and synthesis of critical information
- Integrated data from diverse sources such as clinicaltrials.gov and PubMed

Impact

- Reduced protocol writing time from 24 weeks to 10 weeks
- Accelerated development and approval of critical medicines expediting time-to-market
- Optimized processes to lower manual workload

Boosted Research Productivity with AI-Driven Information Retrieval

Challenges

- Managing a vast public data repository
- Inefficiencies from manual PubMed searches
- Aligning PubMed findings with internal systems
- Inefficient processes impacting overall operational efficiency

Solution

- Deployed baioniq as a chatbot add-on feature
- Facilitated an automated query resolution
- Seamless integration with the client's in-house products

Business Impact

- Quick access to essential information reduced data retrieval time, increasing efficiency
- Efficient response to user queries
- Minimized manual workload, increasing productivity

Get started with Quantiphi

Solution walkthrough

Experience the capabilities of our Gen AI solutions firsthand with a customized demo

Schedule a discovery session

Connect with our Gen AI experts to discuss your business challenges and requirements

Gen AI build

Get a Gen AI Prototype built as per your requirement

Ready to embark on your Gen AI journey?

Reach out to

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