HCLTech | Supercharging Progress™

Enhance **pharmacovigilance** with AI-powered case intake

Pharmacovigilance case intake: A critical challenge

In the pharmaceutical industry, monitoring and assessing adverse drug reactions (ADRs) are critical to ensure patient safety and the effectiveness of medical treatments. However, the ever-increasing volume and diversity of data sources, ranging from handwritten notes to structured reports, have presented notable challenges to traditional pharmacovigilance (PV) processes.

Generative AI-powered pharmacovigilance case intake

Our intelligent case intake system seamlessly ingests data from various sources, such as handwritten notes, faxes, emails, PDFs, word documents, literature and both structured and unstructured formats. It goes beyond simple ingestion by automating the extraction of essential information, validating case reports, prioritizing them, generating narratives and auto-coding medical terms using MedDRA and medicinal products using WHO DD (drug dictionary). Additionally, it streamlines workflow management and provides E2B output for effortless integration into your safety database. This advanced solution revolutionizes the pharmacovigilance process, enhancing efficiency and accuracy while enabling easy integration into existing systems.

Key features

Data source agnosticism
The solution can process data from various sources, eliminating the need for manual data entry and reducing human error

1

Intelligent data extraction
Utilizing generative AI, the system accurately extracts relevant information, including adverse events, patient details and medical history

2

Case validity assessment
It automates the validation process, ensuring the case level validation

3

4

Auto-prioritization
Prioritizes cases based on severity and potential impact, enabling timely intervention

5

MedDRA and WHO DD integration: Automatically codes medical terms and medicinal products using industry-standard vocabularies for consistent reporting

6

Workflow management
Efficiently manages the case intake process, assigning tasks and tracking progress in real-time

7

E2B output: Provides standardized E2B files for easy ingestion into safety databases, ensuring regulatory compliance

Major differentiators

Advanced AI: Our solution is powered by cutting-edge generative AI technology, ensuring high accuracy and adaptability

Cross-source compatibility: It excels at handling diverse data formats, making it a versatile and comprehensive solution
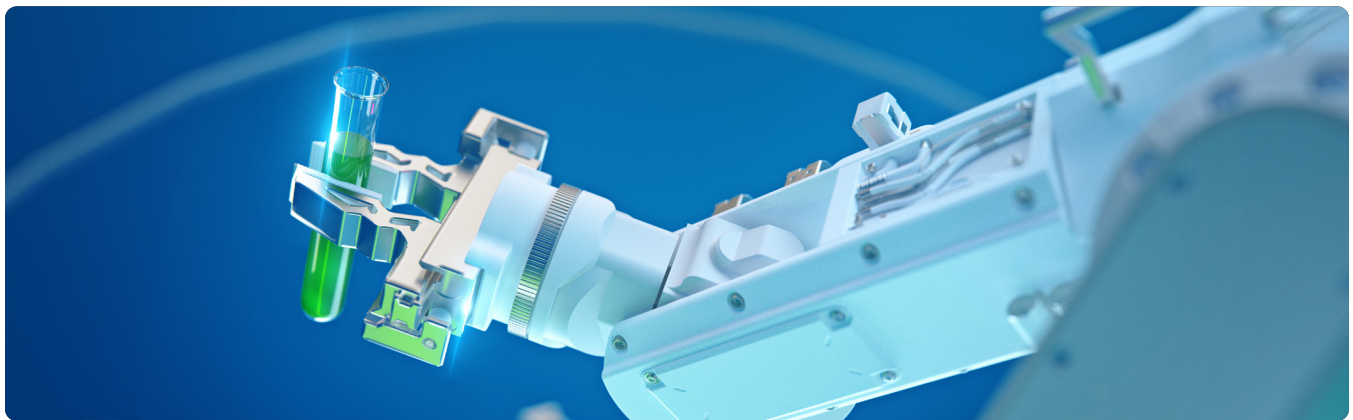
Streamlined workflow: Optimizes case management, reducing processing time and operational costs

Regulatory compliance: Adheres to global pharmacovigilance standards, enhancing trust and ensuring compliance

Scalability: Our solution has the scalability to adapt and ensure efficient and effective pharmacovigilance case intake

The benefits

Enhanced efficiency
Significantly reduces manual effort, speeding up case intake

Improved data quality
Minimizes errors associated with manual data entry

Reduced compliance risks
Ensures adherence to global pharmacovigilance standards

Cost savings
Optimizes resource allocation and operational costs

Faster decision-making
Enables timely identification and response to safety concerns

In an era of data abundance, the Generative AI-powered pharmacovigilance case intake solution is a game-changer for the pharmaceutical industry. It tackles the complexity of diverse data sources, automates key processes and streamlines workflow management, all while ensuring regulatory compliance. Our commitment extends beyond innovation to responsible AI practices. We recognize the ethical imperatives and regulatory obligations that govern the pharmacovigilance landscape. HCLTech is pioneering responsible AI in Pharmacovigilance, ensuring patient safety and ethical practices intersect seamlessly. Embrace the future of pharmacovigilance and safeguard patient well-being with our intelligent solution.

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