

Overview

The AI-driven reporting and analytics solution integrates with eClinicalWorks (eCW) to enhance healthcare data extraction, automate compliance reporting, and improve patient outcomes through predictive analytics. This initiative leverages AI, NLP, and SMART on FHIR to streamline workflows, reduce manual effort, and ensure real-time data accessibility.

Key Features

- ★ **NLP for Chart Data Extraction** : AI-driven extraction of key patient data (symptoms, diagnoses, medications) from unstructured text in patient notes. In initial phase eCW will provide data extract Transaction Logs periodically.
- ★ **Automated Report Generation** : Seamless integration with PowerBI for automated, real-time reporting. 60+ reports creation in initial scope of development.
- ★ **Predictive Analytics for Patient Outcomes** : AI models to forecast high-risk patients needing follow-ups or interventions.
- ★ **PhQ9 Data Automation** : Automatic extraction and integration of PhQ9 depression screening data into eCW.

SVP

Our AI-powered eCW reporting platform ensures efficiency, compliance, and enhanced patient care by automating data extraction, reporting, and predictive insights. The solution significantly reduces manual workload while improving data accuracy and accessibility.

CAS

- ✔ Automated reporting reduces compliance risks and administrative burdens.
- ✔ AI-powered NLP reduces manual chart review time.
- ✔ Predictive analytics improve patient retention and care outcomes.

WCROI

- ✔ **Operational Cost Savings** : Cuts manual labor costs by automating workflows.
- ✔ **Efficiency Gains** : Reduces reporting time by up to 70%, freeing up healthcare staff for patient care.
- ✔ **Compliance & Accuracy** : Ensures timely reporting for state grants and regulations.
- ✔ **Scalability** : AI-driven insights enhance long-term healthcare planning.

Cross-Sell Opportunities

Automated Compliance Reporting : Reporting for Medicare, Medicaid, and insurance audits using Power BI.

AI & NLP Solutions : Expand to other EHR platforms requiring structured data extraction.

Patient Engagement Solutions : Enhance with AI-driven personalized patient care recommendations.

Upsell Opportunities

Advanced Predictive Analytics : Introduce AI models for chronic disease management predictions.

Implementations in other healthcare groups using eCW for their reporting.

Voice AI for Charting : Implement voice-based AI assistants for physicians.

Technology stack

- ★ **Backend** : eCW infrastructure
- 📊 **Frontend** : PowerBI Integration
- 🗄️ **Database** : eCW transaction logs, SQL

Screenshots