

# Clinical Trial Patient Matching

Patient recruitment, responsible for 32% of clinical trial costs, poses a significant challenge, with nearly 80% of trials missing enrollment timelines. The clinical trial phase is often the most expensive, necessitating the optimization of patient recruitment.



## Our Solution

Our Clinical Trial Patient Matching solution utilizes Large Language Models (LLMs) and RAG-based approach to match patient EHR data with extracted inclusion and exclusion criteria from the clinical protocol document, producing met/unmet outputs with detailed reasons for each filtered patient record.

## Key Features



Entity Identification for Patient Eligibility



Patient Ranking based on Protocol criteria



Patient Cohort Creation for Clinical Trials



Intuitive/interactive dashboard for study teams

## Benefits

Helps accelerate **drug development** and trial timelines

Enhance **operational efficiency** & scalability for managing **concurrent trials**

Helps improve **trial success** rate with protocol adherence

## Technology Stack

**ORACLE**

Cloud Infrastructure

HIPAA Compliant Bare Metal GPUs

**ORACLE**

Cloud Infrastructure

Autonomous Vector DB



**nvidia**

NeMo



**nvidia**

Triton Inference Server

Contact us to schedule a demo and optimize clinical operations with effective patient recruitment

Email us at: [info@quantiphi.com](mailto:info@quantiphi.com)

