



AI-Powered Player Health Profiling and Risk Evaluation



Case Study



Background & Challenges

A professional sports organization struggled with inconsistent and manual evaluation of player medical records and performance data across seasons. Existing review processes were time-intensive, subjective, and limited the ability to generate standardized player health insights at scale.



Objectives

To build an AI-powered system capable of extracting, structuring, and analyzing player medical and performance data to enable faster, standardized, and scalable athlete risk evaluation.



Approach

- **LLM-Based Medical Extraction:** Implemented AI workflows to extract critical medical insights from unstructured physician reports, injury records, and performance documents
- **Automated Risk Scoring:** Developed standardized scoring logic to evaluate player health conditions, injury risks, and performance indicators consistently across teams and seasons
- **Centralized Player Profiling:** Built consolidated player health views with comparative analysis, historical tracking, and structured medical intelligence for decision support



Solution

Straive delivered an AI-powered Player Health Intelligence Platform featuring:

- **Medical Intelligence Engine:** Automated extraction and structuring of player medical records and specialist reports into standardized datasets
- **Player Risk Evaluation Models:** AI-driven scoring and categorization workflows to generate player health profiles and risk classifications
- **Centralized Athlete Dashboard:** Unified player summaries enabling medical, coaching, and performance teams to compare health metrics and historical trends in real time



Solution Snapshot

An AI-powered player health evaluation platform designed to automate medical data extraction, standardize athlete risk assessment, and deliver faster, more reliable player health intelligence across sports operations.

Key Results

98%

reduction in turnaround time for player record evaluation (hours to minutes)

90-95%

accuracy in capturing critical medical insights from unstructured documents



About Straive

At Straive, we operationalize Data Analytics and AI for global enterprises and work with several Fortune 500 companies. We don't just build top-tier data analytics and AI solutions— we integrate them seamlessly into your core workflows. This approach drives enhanced efficiency, improves user experience, and boosts client revenue, setting you apart from the competition.

Straive serves clients in various industries, including Banking and Financial Services, GCC, Retail and CPG, Media, Sports and Entertainment, EdTech, Science and Research, Logistics and Supply Chain, Education, and Pharmaceutical and Life Sciences.

Our strategically positioned resource pool operates in ten countries: the Philippines, India, the United States, Nicaragua, Vietnam, the United Kingdom, Singapore, South Africa, UAE, and Canada.