

Athlete Injury Prevention Application

ID: 2024-056

Executive Statement:

An innovative application designed to reduce athlete injury risks through comprehensive data collection and analysis.

Technology Overview:

This application, developed by BYU Technology Transfer, aims to prevent athlete injuries by leveraging daily online surveys to collect data on physical conditions, previous injuries, nutritional intake, and mental health. It uses Qualtrics for survey distribution, Power Automate for data storage, and Power BI for data visualization, providing athletic staff with actionable insights to improve team welfare.

Key Advantages:

- Comprehensive data collection on factors influencing injury risk
- Easy deployability across different levels of sports teams
- Use of advanced technologies for data storage and visualization
- Proven effectiveness through positive feedback from high school sports team trials

Problems Addressed:

- Mitigation of injury risks among athletes
- Lack of accessible, ongoing data collection and analysis in sports teams
- Challenges in decision-making regarding athlete welfare and injury prevention

Market Applications:

- Professional and amateur sports teams
- Health and wellness programs targeting athletes
- Sports science research and development