

## U.S. Medicaid Intelligence App

### EY

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EY's services fall into four broad categories:

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- **Consulting:** EY's consulting services help organizations to improve their performance, grow their businesses, and manage their risks. EY's consultants work with clients across a wide range of industries, including financial services, consumer products and retail, energy and resources, healthcare, and technology.
- **Strategy and transactions:** EY's strategy and transactions services help organizations to develop and implement winning strategies, and to execute successful mergers, acquisitions, and other transactions. EY's advisors work with clients to identify and assess strategic opportunities, to develop and implement strategic plans, and to manage the risks and complexities of transactions.
- **Tax:** EY's tax services help organizations to comply with tax laws and regulations, and to minimize their tax liabilities. EY's tax advisors work with clients across a wide range of tax issues, including corporate taxes, personal taxes, and international taxes.

#### Background

The healthcare industry is continuously evolving, with Medicaid regulations frequently updated to ensure compliance and improve patient care. Managing Medicaid payer contracts that comply with current regulations is a complex and critical task for healthcare providers.

The key objectives of the project are to optimize and improve the Medicaid contract management process for payers by developing a **Medicaid Intelligence Application** that will ensure all payers meet the latest Medicaid regulations, reducing administrative burden and minimizing compliance risks. By optimizing contract management, the application will enhance efficiency, accuracy, and regulatory adherence, ultimately supporting healthcare payers in delivering high-quality care to Medicaid beneficiaries.

The students will leverage machine learning, NLP, and GenAI tools to develop the Medicaid Intelligence Application.

## **Project Work Steps**

The project will be organized around the following three major work steps:

1. Parse Medicaid regulations to identify
  - a. Key regulations
  - b. Service delivery standards
  - c. Provider requirements
2. Develop a set of NLP algorithms to help identify how a given contract addresses key regulations or where compliance language may be missing
3. Create a GenAI application that can generate a payer contract assessment:
  - a. Payer gaps with Medicaid regulations
  - b. Products and benefit areas where the payer contract may be exceeding Medicaid standards
  - c. Specific recommendation regarding how to modify the payer contract to improve compliance

## **Key Project Data Sources**

- Existing state contracts (limited to 5 states only) - public domain
- Medicaid rules that help with products and benefits