Team RHAIN launches a novel solution to U.S healthcare’s billion dollar wastage problem.

AI-based platform to catalyze healthcare policy decisions announced.

Irvine, CA (June 2, 2023) - Team RHAIN, an enterprise by UC Irvine graduate students, today announced their healthcare analytics platform, RHAIN, to combat the growing problem of inefficiency and waste in the U.S. healthcare system. Using advanced machine learning and statistical techniques, RHAIN generates valuable metrics and visualizations to effectively evaluate the health, healthcare, and well-being of every county in the country. The comprehensive tool thereby offers a method to derive actionable intelligence from a huge volume of heterogeneous data, which would help streamline healthcare policy decision-making and improve health outcomes.

- RHAIN stands for Regional Healthcare Analysis and Improvement Network, a comprehensive decision-making and analytics tool for healthcare, developed by a team of UC Irvine graduate students.
- Data indicates billions of dollars of wasteful U.S healthcare expenditure.
- RHAIN presents critical, validated insights from unorganized data sources to aid more informed decision-making.
- Improves health outcomes; Minimizes wastage of time, money and effort.
- Available on a SaaS model from June 15th, 2023, for usage by the government, healthcare providers and the general public.

The United States faces a significant crisis in its healthcare system, with skyrocketing costs and suboptimal outcomes. In 2021 alone, the U.S. government spent a staggering $4.3 trillion on healthcare, surpassing any other country worldwide. Yet, the value derived from this massive investment is acutely lacking. This is where RHAIN comes in. With its range of capabilities, RHAIN aims to bring positive changes to the healthcare system by minimizing wastage and improving the quality of key decisions.
"By harnessing the power of artificial intelligence and innovative data visualization, RHAIN equips decision-makers with key insights to drive efficiency, optimize resource allocation, identify key problem areas, and ultimately improve health outcomes. RHAIN represents a significant step forward in reshaping healthcare policy decision-making.", said Shivani Shrivastava, CEO, Team RHAIN.

Establishing Metrics for County Health Evaluation
RHAIN goes beyond traditional approaches by providing objective scores that assess the health of each county based on a diverse range of factual U.S Census data. Key factors, including vaccination rates, obesity statistics, and preventable hospital admissions, are meticulously analyzed to assign scores that offer a holistic view of health performance. By identifying areas of improvement and potential inefficiencies, RHAIN equips decision-makers with the necessary inferences to optimize resource allocation and decide on preventative actions.

“Through multiple demonstrations, it is clear that RHAIN condenses a wide range of information into critical metrics, facilitating a tangible understanding of the prevalent challenges within our communities. Its notable strength lies in seamlessly integrating numerous pertinent factors that collectively influence the overall health of a region, thus providing a holistic overview for our consideration.", said Dr. Tomás Aragón, Director, California Department of Public Health.

Integrating Patient Perception: Creating a Rigorous Evaluation Framework
RHAIN incorporates public perception of care delivery into the analysis. By employing sentiment analysis on patient reviews of hospitals and doctors, RHAIN captures the subjective experiences and sentiments of the local populations. This multifaceted evaluation provides decision-makers with a complete understanding of healthcare quality, ensuring a more well-rounded assessment that considers patients' voices and experiences.
Presenting Insights through RHAIN's Data Visualizations

RHAIN's robust analytics capabilities are complemented by its intuitive data visualization tools. The platform offers a user-friendly dashboard that organizes vast amounts of healthcare data into interactive modules, presenting the most vital information in a clear and concise manner. Through visually appealing graphs, charts, and a choropleth map, users can compare healthcare metrics across counties, track changes over time, and gain perspectives to inform their decision-making.

“With dynamic visualizations, including interactive graphs and a striking choropleth map, RHAIN transforms raw numbers into visually appealing and easily understandable representations.”, said Utkarsh Chhapekar, CTO, Team RHAIN.

Privacy and Personalization for Different Users

Recognizing the diverse needs of users, RHAIN includes a user management system that personalizes the dashboard experience. Users can set up their profiles, select preferred data visualization options, and access frequently used reports. This tailored approach ensures that government officials, healthcare industry professionals, and the public receive information that is relevant to their specific roles and requirements. Moreover, the user management system ensures data security and authorized access, safeguarding sensitive information and maintaining the integrity of the platform.

Availability

The RHAIN platform will be available for use on a flexible, cost-effective Software-as-a-Service model from June 15th, 2023 in the United States.

About the company

Team RHAIN is a healthcare technology company founded by four UC Irvine graduate students in 2023. They are based in Irvine, California. Their first product, RHAIN, a healthcare analytics platform, aims to tackle the problem of wasteful expenditure in the U.S Healthcare system using artificial intelligence. Team RHAIN’s vision is to improve health outcomes in the United States through the implementation of tailored healthcare policies crafted using their data-driven solution.

Contact

Sangeeta Rao
Chief Officer of Communication
Team RHAIN
teamrhai@gmail.com
(949)-695-1566