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MyHealthcare and Ashoka University make strides in health data research with new grant

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Opening avenues for further innovation in healthcare research



The collaboration between Gurugram-based startup MyHealthcare and Ashoka University has marked a significant milestone in health data research by securing the prestigious Johns Hopkins GKII Breakthrough Grant for Health Data Research.

The Ashoka – MyHealthcare partnership is focused on leveraging technology, clinical expertise, and big data, to accelerate health informatics and data-driven evidence generation, and in turn, deliver better patient care outcomes.

The Johns Hopkins GKII Breakthrough Grant aims to use natural language processing (NLP) algorithms and open-source large language models to extract clinical features from unstructured clinical notes in India.

The goal is to transform this information into the Observational Medical Outcomes Partnership - Common Data Model (OMOP-CDM), which standardises medical terms. The pilot study will focus on determining antibiotic prescription prevalence and choices among outpatients with febrile respiratory illness using unstructured digitized health data in India.

Additionally, the study will assess the impact of antibiotic choice on treatment outcomes for inpatients with carbapenem-resistant organism pneumonia.

The goal is to convert unstructured health data, including electronic health records (EHR), into interoperable and meaningful information. Using anonymised patient clinical data from MyHealthcare, the team plans to employ natural language processing tools and open-source large language models (osLLM) within an interoperable CDM framework to transform unstructured EHR data into actionable insights. The pilot project will focus on understanding antibiotic prescription patterns for respiratory diseases, addressing a critical issue in India.