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Artificial Intelligence Predicts Hospitalizations & Patient Demand for Healthcare Supply Chains

Inspiring example of how AI ecosystem collaboration delivers value

Quebec City, November 17, 2021 –MUUTAA, the healthcare AI company behind a cloud-based [platform](#) that powers deep learning to inform smarter supply chain decisions, support better care and ultimately improve health outcomes, has announced market availability of [DemandAMP+](#). As the first and only AI solution for healthcare supply chains that focuses on patient-driven demand, this new AI-as-a-Service offering supports supply chain decision-making by integrating essential data elements that have historically been largely out of reach for supply chain managers.

Through collaboration with The Centre hospitalier de l'Université de Montréal ([CHUM](#)), a university hospital recognized worldwide in innovation and applied AI in health and with financial support from Canada's AI Supercluster, [Scale AI](#), the team delivered a solution to precisely forecast and optimize supply chain procurement, which is essential for driving better care at lower costs.

This cohesive collaboration focused on using AI to predict patient demand for hospital and health center services based on various internal and public health datasets. The goal was to more accurately forecast current and future needs for medical supplies and medications.

Projected results of the project include significant reductions in safety stock levels and carrying costs. In the event of peak demand (seasonal flu, natural disaster) or shortages the solution will provide information required to adequately communicate forecasts to the distribution partner and avoid substitutes and stockouts.



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"The CHUM is proud to contribute to the development of solutions that create value for the healthcare network, teams and patients, in partnership with companies such as MUUTAA. We thank our partners, MUUTAA and Scale AI, for their respective contribution to this achievement," said Kathy Malas, Assistant to the President and CEO, Innovation and Artificial Intelligence Pole, General Management at CHUM.

The funder for the project, Scale AI, is a consortium of private entities, research centers, academia and high-potential startups. Scale AI identifies cross-sector collaborative projects and provides funding and expert guidance aimed at helping Canada stay ahead of the AI curve.

As Julien Billot, CEO at Scale AI, explains: "This project is a perfect example of how Scale AI acts as an investment and innovation hub that accelerates the rapid adoption and integration of artificial intelligence and contributes to the development of a world-class Canadian ecosystem."

With this successful collaboration and market availability, MUUTAA is expanding into the U.S. healthcare market and is currently working with several U.S. client organizations.

"We are grateful to CHUM and Scale AI for partnering with us," says Korina Fischer, MUUTAA cofounder and chief executive officer. "Our ultimate goal is supporting health systems with innovation that improves demand sensing, forecasting and decision making, while also delivering essential building blocks for clinically integrating the supply chain."

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About MUUTAA

MUUTAA is leading the way in creating clinically integrated supply chains. In addition to optimizing the demand forecasting process through patient-driven demand, MUUTAA technologies enhance micro and macro-level understanding of real-world protocol adherence. The MUUTAA mission powers deep learning to inform smarter decisions, support better care and ultimately improve health outcomes.

Source:

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