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Mayo Clinic partners with Google for healthcare innovation

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Mayo Clinic and Google has announced a ten year strategic partnership recently to redefine how health care is delivered and accelerate the pace of health care innovation through digital technologies.

Mayo Clinic selected Google Cloud to be the cornerstone of its digital transformation. Mayo will use advanced cloud computing, data analytics, machine learning and artificial intelligence (AI) to redefine health care delivery, bringing together global providers and consumers to make health care better.

Gianrico Farrugia, M.D., president and CEO of Mayo Clinic said, "Data-driven medical innovation is growing exponentially, and our partnership with Google will help us lead the digital transformation in health care. It will empower us to solve some of the most complex medical problems; better anticipate the needs of people we serve; and meet them when, where and how they need us. We will share our knowledge and expertise globally while caring for people locally and always do it with a human touch."

The extensive collaboration will combine the world-class clinical knowledge and expertise from Mayo Clinic with the industry-leading digital technology and data security expertise from Google to develop solutions for people who want medicine to deliver on the promise of scientific and technological advances.

With the help of Google, Mayo Clinic will transform the way it advances virtual care with AI-enabled digital diagnostics. Mayo also will leverage Google technology to boost its ability to conduct medical research. Through this partnership, Mayo Clinic will be able to develop and deploy new machine learning models designed to improve treatment precision and clinical outcomes of diseases.

Sundar Pichai, CEO, Google said, "We're proud to partner with the Mayo Clinic in its mission to bring the best health care to every patient. Health care is one of the most important fields that technology will help transform over the next decade, and it's a major area of investment for Google. By pairing the Mayo Clinic's world-class clinical expertise with our capabilities in AI and cloud computing, we have an extraordinary opportunity to develop services that will significantly improve lives."

Google Cloud will secure and store Mayo Clinic's data, while working with Mayo Clinic to apply AI and other cloud computing technologies to solve complex health care problems. However, Mayo Clinic will continue to control access and use of its patient data by using Google's cloud technologies. Mayo Clinic will specifically authorize the use of data in projects to create new health care insights and solutions in conjunction with partners, including Google. Mayo Clinic will manage access to all data using rigorous long-standing institutional controls.

Christopher Ross, chief information officer, Mayo Clinic said, "With one of the most robust sources of clinical insights in the world, Mayo Clinic is well-positioned to lead digital transformation in health care. Our partnership will propel a multitude of AI projects currently spearheaded by our scientists and physicians, and will provide technology tools to unlock the value of data and deliver answers at a scale much greater than today."

Thomas Kurian, CEO, Google Cloud said, "As health care embraces digital innovation, management and analysis of complex data will become increasingly important. We are thrilled that Mayo Clinic has selected Google Cloud as the bedrock of its digital transformation. We look forward to helping the renowned medical center transform health care to serve patients around the world."

Under the partnership, Google also will open a new office in Rochester, where its engineers will work side by side with Mayo Clinic researchers, physicians, and information technology staff and data scientists, to apply advanced computing techniques to health care problems.