

Apollo Hospitals unveils AI tool to predict CVD risk

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The tool delivers a more accurate CVD risk score using algorithms specifically for the Indian population



Apollo Hospitals has launched an AI (artificial intelligence) tool to predict the risk of cardiovascular disease. The Apollo AI-powered Cardiovascular Disease (CVD) Risk tool will help healthcare providers to predict the risk of cardiac disease in their patients and initiate intervention early enough to make a real difference.

The cardiac risk scoring tool is remarkable for its speed in processing data and its accuracy in predicting the probability of a patient developing coronary disease. Using the tool, physicians will be enabled to deliver proactive, pre-emptive and preventive care for at-risk individuals, improving lives while mitigating future pressure on healthcare systems.

The team at Apollo Hospitals collected more than ten years of data relating to 400,000 individuals across the country. Then, they used Microsoft Azure to turn that anonymised data into actionable insights that data scientists and clinicians could use to train machine learning models.

The tool has been validated using data from the Maastricht Study, a long-term cohort health study in the Maastricht region and from the Heart+Vascular Center at Maastricht University Medical Center, Netherlands.

The tool also gives insights on the risk contributors that can be modified to improve the score. This enables physicians to give more holistic advice to the patients with specific insights for lifestyle modification.