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Boston Scientific Corporation and Accenture have developed a cloud-based, data-driven digital health solution for hospitals that is designed to help improve patient outcomes and reduce costs to treat patients with chronic cardiovascular diseases.

The solution, known as ADVANTICS Care Pathway Transformation, is designed to enable providers to make more proactive and informed decisions based on insights into the patient population, ultimately improving the care a patient experiences from hospital stay through post-discharge care and in-home support.

The Care Pathway Transformation solution uses the Accenture analytics insights platform, which provides actionable insights into care coordination and patient population health patterns, revealing opportunities to improve the consistency and efficiency of care coordination. The solution will focus on three key measurements: Ã¢â?¬Â¢Pathway Analytics: how a patient moves through the hospital system, how long each step takes and whether a patient can be better served by a more efficient system;
Ã¢â?¬Â¢Care Management: how patients are diagnosed, treated and monitored, by whom and how often, as well as their ongoing vital signs and risk analysis; and
Ã¢â?¬Â¢Patient Engagement: how patients are educated, monitored and receive communication during their hospitalization and after discharge.
The solution has been tailored for insight into patients with heart failure, but the companies plan to expand it to additional disease states.

In developing this solution, both companies worked with two of the largest hospitals in Scandinavia, Karolinska University Hospital in Sweden and Tampere Heart Hospital in Finland, to assess the current state of care delivery for heart failure patients and identify opportunities for improvement at each hospital.

"Boston Scientific and Accenture designed this digital health platform to help providers standardize care, reduce overall length of stay and lower readmission rates," said Mr Mike Mahoney, president and chief executive officer, Boston Scientific. "The Care Pathway Transformation program is designed to enable healthcare professionals and patients to have more informed relationships, leading to better health outcomes and lower costs for health systems. Together, we are addressing an acute industry need for some of the most costly chronic conditions."

Ms Anne O'Riordan, senior managing director at Accenture Life Sciences, said, "Socio-economic changes are driving the market to move to value-based care, and new data-driven care transformation services are a great enabler of delivering high-quality healthcare at the right cost. Working together with Boston Scientific, we are able to bring to market digital capabilities and analytics-driven insights that focus on improving patient and economic outcomes."