SIEMENS
Healthineers

Healthineers helps Biosense Webster unlock insights into cardiac arrhythmia with Azure-based teamplay network

Siemens Healthineers is a global technology company that empowers healthcare professionals to deliver better care for their patients. Using Microsoft Azure, they are driving the digitization of healthcare with innovations like teamplay, a cloud- based data management and development network that provides a common space for collaboration, information sharing, and application development.

The constraints of a closed system

Healthcare providers use a variety of diagnostic equipment and applications to collect medical data and manage patient care. While similar tools are frequently used in different healthcare facilities, their networks are typically closed systems that restrict the sharing of data with the greater healthcare community. This lack of connected, unified data inhibits innovation, diagnostic accuracy, and patient outcomes.

The heart of improving patient outcomes

Biosense Webster, a global pioneer in the diagnosis and treatment of cardiac arrhythmias, understood that data sharing and collaboration were key to realizing its mission of improving catheter ablation patient outcomes. Biosense Webster had begun examining cloud technology options when they discovered teamplay.

Siemens Healthineers built the teamplay network on Microsoft Azure as an accessible, secured, and intelligent solution for collecting, analyzing, and sharing health data across facilities. Data is ingested into teamplay, where Azure AI derives insights to be used throughout 4,000-plus connected Siemens Healthineers facilities.

Biosense Webster adopted teamplay for CARTONET, the company's integrated cloud-based solution to leverage case, procedural, and clinical data to unlock insights into cardiac arrythmia treatment and care. CARTONET integrates real-time x-rays with CARTO 3, Biosense Webster's three-dimensional heart mapping system. The data is stored on a secured cloud network so doctors and clinicians across the system can gain insights that improve patient outcomes.

Transforming healthcare

The teamplay network reduces the cost of entry for a modern data management platform, making it a financially viable solution for life science and medtech companies like Biosense Webster.

Diagnostic data from 600,000 Siemens Healthineers systems across the globe can now be easily shared and analyzed to better leverage data and insights. teamplay is facilitating the healthcare industry's digital transformation, innovating care, and improving patient outcomes through broader collaboration and greater access to a wealth of medical data and insights.

Meeting the future of healthcare with Azure IoT

Siemens Healthineers is expanding teamplay's capabilities by connecting on-premises equipment and devices that aren't natively linked to the cloud through a hybrid solution with edge computing and Azure IoT—a solution that will transform even more health data into clinical insights.

"Microsoft has helped us leverage existing technology as well as define certain aspects of Azure going forward—this is essential," concludes Bertsch.