Medtronic News

Medtronic and Mercy Announce Data Sharing Partnership to Accelerate Medical Device Innovation

Real-World Clinical Data is Key to Creating More Effective Medical Devices and Enabling Better Patient Health

DUBLIN and ST. LOUIS - October 13, 2017 - Medtronic plc (NYSE: MDT), the global leader in medical technology, and Mercy, the fifth largest Catholic health care system in the U.S., together will establish a new data sharing and analysis network that helps gather clinical evidence for medical device innovation and patient access.

Traditional clinical trials can be complex, time consuming and costly. To address this, Medtronic and Mercy Technology Services, the IT backbone of Mercy, seek to co-develop a new way to answer questions about medical device safety and patient outcomes through access to valuable clinical information captured during routine patient care. In the initial phase, the new data network will capture deidentified data from approximately 80,000 patients with heart failure to explore real-world factors that determine a patient's response to Cardiac Resynchronization Therapy (CRT) - a clinically proven heart failure treatment option for some heart failure patients that is designed to help the lower chambers of the heart beat together in a more synchronized pattern.

This coordinated data network aligns with the Food and Drug Administration's vision to establish a National Evaluation System for health Technology (NEST). With a national system, the FDA aims to quickly generate meaningful insights from routine clinical care data. The partnership was recently selected by the Medical Device Innovation Consortium as a Demonstration Project for its use of scalable methods that generate real-world evidence. This project will ultimately help shape the model for NEST to provide faster, more cost-effective regulatory decisions and accelerated therapy innovation that keeps patients safer and healthier.

"Having the ability to study patient care pathways and conditions before and after exposure to a medical device is crucial to understanding how those devices perform outside of the controlled clinical trial setting," said Dr. Rick Kuntz, SVP of strategic scientific operations at Medtronic. "By partnering together, Mercy and Medtronic have set out to create a comprehensive and economical evidence generation model that ultimately allows patients to benefit from the latest therapies and technologies as early as possible."

"This has the potential to improve patient care by using advanced data analytics," said Dr. Joseph Drozda, Mercy's director of outcomes research. "Heart failure is a complex, progressive condition. To more effectively treat patients, we need a better understanding of how they are responding to treatment and what leads to better health. This model will lead to evidence-based insights for our clinical teams, and better health for our patients."

About Mercy

Mercy, named one of the top five large U.S. health systems in 2017 by Truven, an IBM Watson Health company, serves millions annually. Mercy includes 44 acute care and specialty (heart, children's, orthopedic and rehab) hospitals, more than 700 physician practices and outpatient facilities, 40,000 co-workers and more than 2,000 Mercy Clinic physicians in Arkansas, Kansas, Missouri and Oklahoma. Mercy also has outreach ministries in Arkansas, Louisiana, Mississippi and Texas.

About Mercy Technology Services

Mercy Technology Services provides and manages technology solutions for Mercy, the nation's first health care provider accredited by Epic to offer a full suite of EHR solutions to other hospitals, including Epic in the cloud, implementation and optimization. MTS's award-winning data analytics integrate care delivery, manage costs and support a model of care that keeps patients healthier and out of the hospital.

About Medtronic

Medtronic plc (www.medtronic.com), headquartered in Dublin, Ireland, is among the world's largest medical technology, services and solutions companies - alleviating pain, restoring health and extending life for millions of people around the world. Medtronic employs more than 84,000 people worldwide, serving physicians, hospitals and patients in approximately 160 countries. The company is focused on collaborating with stakeholders around the world to take healthcare Further, Together.

Any forward-looking statements are subject to risks and uncertainties such as those described in Medtronic's periodic reports on file with the Securities and Exchange Commission. Actual results may differ materially from anticipated results.

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Contacts:

Jeff Trauring
Public Relations
Medtronic plc
+1-763-505-0159

Ryan Weispfenning
Investor Relations
Medtronic plc
+1-763-505-4626

Nancy Corbett
Mercy Media Relations
+1-405-752-3793

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