



AirStrip To Provide Mobile Monitoring and Early Patient Warning Technology Using IBM's Real-Time Analytics

University of Michigan Research Center to Pioneer New Patient Analytics Solutions

ARMONK, NY and SAN ANTONIO, Texas –October 22, 2014 – [AirStrip®](#) and IBM ([NYSE:IBM](#)) today announced that AirStrip will work to develop a mobile monitoring solution to help clinicians predict declining health in acute and critically ill patients. IBM will provide the streaming analytics technology which allows AirStrip's solution to use data from numerous data sources in real time.

The new solution, being co-developed by AirStrip with the [University of Michigan \(U-M\) Center for Integrative Research in Critical Care](#), will bring together data from electronic medical records, body sensors and other sources with predictive [analytics](#) to create an AirStrip mobile Acute Care Early Warning System (mACEWS), that ultimately could be used to provide critical health insights to doctors' mobile devices. The system will be designed by AirStrip and the U-M Center for Integrative Research in Critical Care (MCIRCC) to help hospitals better manage acutely ill patients.

MCIRCC will pioneer the application of this technology with AirStrip by developing the advanced analytics and testing its ability to identify and predict a serious and unexpected complication called hemodynamic decompensation, one of the most common causes of death for critically ill or injured patients. MCIRCC researchers anticipate that the resulting solution may provide the clinical decision support tool that enables clinicians to identify patient risk factors for early intervention. Early intervention can enhance critical care delivery, improve patient outcomes, and reduce ICU admissions. If successful, this clinical decision support tool created by AirStrip and MCIRCC could transition beyond critical care into comprehensive hospital-to-home care models.

"By mining multiple data streams, looking at real-time analytics and applying our adaptive learning algorithms, we believe we can come up with new computed vital signs that are even more valuable than the signals we're monitoring today," said Kevin Ward, M.D., MCIRCC's executive director and professor of Emergency Medicine, U-M Medical School. "Ultimately, we believe that clinical decision support solutions coupled with our analytic methodologies could help us improve patient outcomes while reducing overall costs in the healthcare system."

The AirStrip mACEWS system will collect and translate structured and unstructured data via the [AirStrip ONE®](#) platform, and deliver real-time analytics on that data using [IBM® InfoSphere® Streams](#), an advanced analytic platform that can be used in most any industry and with multiple types of data, that allows customer-developed applications to quickly ingest, analyze and correlate millions of data points per second as they arrive from thousands of real-time sources. The AirStrip mACEWS system's resulting predictive care insights would then be ready for consumption by clinicians who use AirStrip's mobile applications on Apple, Android and Windows devices.

"Predictive analytics have the potential to provide clinicians the ability to see and take action on much more of the potentially available data on their patients, and course-correct sooner when a complication presents," said Sean Hogan, vice president and general manager of IBM Healthcare.

A tool such as the one being developed by AirStrip could also be applied to patients being monitored both inside and outside the hospital to detect clinical deterioration from chronic obstructive pulmonary disease (COPD), diabetes, congestive heart failure, or other chronic diseases.

"With its ability to assimilate vast amounts of data and provide real time analytics, IBM effectively complements AirStrip's established leadership position in mobile interoperability," said Alan Portela, CEO of AirStrip. "Our products hold the promise of measurably improving the clinical,

operational and financial bottom lines in healthcare, delivering innovation that can measurably strengthen patient care while addressing real-world challenges faced by providers.”

About AirStrip

AirStrip® (www.airstrip.com) provides a complete, vendor- and data source-agnostic enterprise-wide clinical mobility solution, which enables clinicians to improve the health of individuals and populations. With deep clinical expertise and strong roots in mobile technology and data integration, AirStrip is empowering leading health systems globally as the industry continues to evolve at a rapid pace. Based in San Antonio, Texas, AirStrip allows health systems to unlock the full potential of their existing technology investments with a complete mobility solution that provides access to critical patient data across the care continuum. AirStrip is backed by investments from Dignity Health, St. Joseph Health, the Gary and Mary West Health Investment Fund, Sequoia Capital, Qualcomm, Inc., Leerink Partners, Hospital Corporation of America (HCA) and the Wellcome Trust. AirStrip’s base of visionary clients includes HCA, Texas Health Resources, Tenet Healthcare, Dignity Health, St. Joseph Health and Ardent Health Services. Follow AirStrip

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About MCIRCC

The University of Michigan Center for Integrative Research in Critical Care (MCIRCC) is one of the world’s first comprehensive research enterprises devoted to transforming critical care medicine by accelerating science and moving it from bench to bedside. To do this, MCIRCC brings together integrative teams comprised of world-class U-M scientists, clinicians, and engineers with industry partners and funding sources to develop and deploy cutting-edge solutions that elevate the care, outcomes, and quality of life of critically ill and injured patients and their families. Learn more at www.micircc.org.

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