



Oriental Trading
Nobody Delivers More Fun
FREE SHIPPING
ON \$49+

HEALTH IT

IBM, AirStrip team up with University of Michigan on mobile analytics tool

By DAN VEREL

Post a comment / Oct 22, 2014 at 9:00 AM



Texas mobile analytics developer [AirStrip](#) and tech giant [IBM](#) said they will co-develop a monitoring system that attempts to predict declining health among acute and critically ill patients in real time.

The [University of Michigan Center for Integrative Research in Critical Care](#) will also help with the development, which will combine data from EHRs, body sensors and other sources to create the AirStrip mobile acute care early warnings system. [IBM](#) will provide the streaming analytics that will permit AirStrip's mobile platform to access the data immediately.

With the early warning system in place, the hope is that real-time patient data can be accessed on a physician's mobile device while providing a better management tool for hospitals.

Specifically, the university will test [AirStrip's](#) application and the effectiveness of the analytics on its ability to spot the "serious and unexpected" complication "[hemodynamic decompensation](#)", one of the most common causes of death for critically ill or injured patients.

Researchers hope that if the predictive analytics are successful in allowing for early detection, the tool can be applied beyond critical care and toward stemming hospital readmission rates.

"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



Advertisement

executive director and professor of emergency medicine at Michigan. “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 early detection system will collect and translate structured and

unstructured data via the AirStrip ONE platform, and deliver real-time analytics on that data using IBM’s InfoSphere Streams, which hcan be used across multiple industries with multiple types of data.

At that point, AirStrip’s new system could be used by clinicians with AirStrip apps on Apple, Android and Window devices.

The tool being developed, officials said, could likely be used for a number of conditions inside and outside of the hospital, including COPD, diabetes, congestive heart failure and other chronic diseases.



TOPICS

AirStrip, analytics, IBM, mobile health, predictive analytics, Texas, University of Michigan



Hear the latest industry news first. Sign up for our daily newsletter.

*

Subscribe

WE RECOMMEND

MedCity News

How has AirStrip's mobile platform evolved to support transformation in healthcare?

MedCity News

Hospital group deepens AirStrip collaboration for remote monitoring platform

MedCity News

InvisionHeart's portable EKG device attracts \$1.9 million in Series A round

MedCity News

Capital Health teams with startup MedyMatch for AI in stroke care

MedCity News

Monitoring Solutions

Medgadget

AirStrip Receives CE Mark for Mobile Monitoring Solutions

Medgadget

Paramedic Defibrillator/Monitors to Transmit Cardiac Data to Physician iPhones/iPads

Medgadget

The AirStrip OB® for Wireless Fetal Heart Rate Monitoring

Medgadget

AirStrip PATIENT MONITORING for iOS Now Available in U.S.

Medgadget

Powered by

1 comment

Sponsored

Oriental Trading
Nobody Delivers More Fun™

FREE SHIPPING ON \$49+

Report ad



Start the discussion...

Be the first to comment.

ALSO ON MEDCITY NEWS

Teacher's pet Eli Lilly announces \$850M investment in U.S.

1 comment • 24 days ago

Shannon — Well. I was diagnosed with type 2 Diabetes and put on Metformin on June 26th, 2016. I started the ADA diet ...

Anti-aging tech trends you need to know about

1 comment • 13 days ago

Health Enigma — Nice post! I enjoyed every bit of it. Here I got to revealed beauty secret of JENNIFER HUDSON, ...

Beltway insiders struggle to predict what will happen to health insurance ...

1 comment • 17 days ago

lightsey63 — price and trump will kill people who have cancer, they could care less. got to destroy the aca law at any cost.

Surgeons wary of ortho bundles delay and deny procedures

1 comment • a month ago

Phillip Terrell — This is inaccurate: "Through this, Medicare gives hospitals a lump sum amount for a 90-day period ...

GOT NEWS? SEND US A TIP

at the Gym?

3 Essential Zero Waste Items
to Keep in Your Car



Home Cooks Should Lead the
Fight Against Food Waste

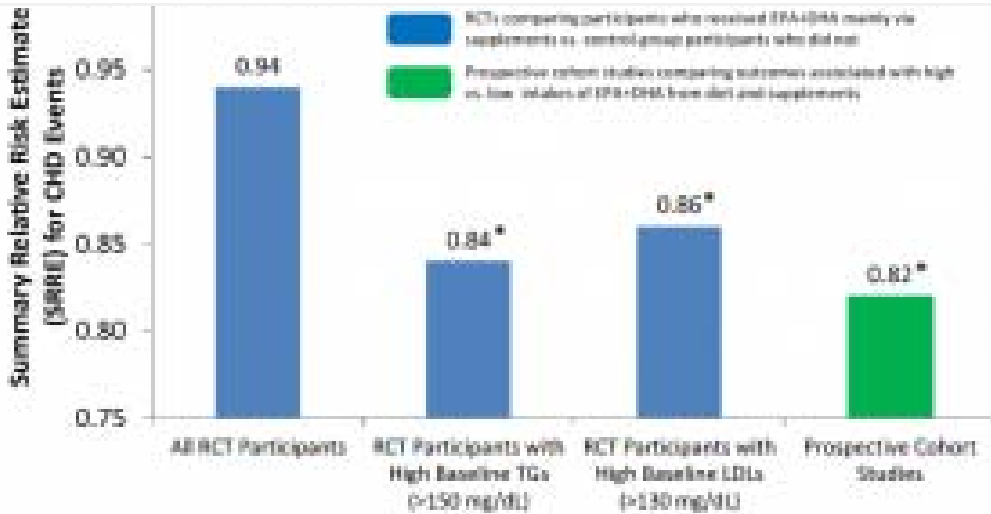


 **MedCity >> Inbox**

Get the latest industry news first when you subscribe to our daily newsletter.

Your email address

Subscribe



PROMOTED

Reducing cardiovascular disease risk with omega-3s

Cardiovascular disease (CVD) remains the number one killer of Americans, and by 2030, nearly 44 percent of U.S. adults will have...

KNOW YOUR Ω™

JCPenney® 

Window Sale - Up to 50% off Windows

Save on Window Products at JCPenney®. Get Free Shipping Every Day.

jcpenney.com 

FROM THE MEDCITY TEAM



Medtronic sans the medical supplies business means RIP widget maker

ARUNDHATI PARMAR | 11:43 pm, April 6



XPRIZE winner Nanobiosym gets FDA emergency use authorization for Zika diagnostic test

STEPHANIE BAUM | 8:51 am, April 17



PROMOTED

Patient engagement: Convenience, cost savings and beyond

Active provider participation is imperative for successful patient engagement, both in and outside a clinical environment. Learn how this can lead to positive outcomes and cost savings.

ECLINICALWORKS

HIPAA Compliance Guide

Free White Paper - Top 5 Ways To Ensure Electronic Record Compliance

axway.com





OUR SITES

ABOVE
THE LAW

ABOVE THE LAW
REDLINE

BREAKING
Energy

DEALBREAKER

MedCity News



**HOW
APPEALING**

BREAKING
DEFENSE

BREAKING
GOV 

FASHIONISTA