Arrow IoT

2017 Hot Issues in Health

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Arrow – A Global Industry Leader

- Founded in 1935
- $23.8 B in sales 2016
- 125,000 customers
- 56 countries
- 460 locations
- 18,700 employees worldwide
- #118 on Fortune 500
  - We are one of Fortune’s most admired companies
Mission

To offer a complete solution enabling businesses to deploy, manage, monitor, analyze and monetize secure connected devices throughout their entire lifecycle globally. From Sensor to Sunset™
The intersection and interaction of Emerging Technologies, Innovative New Business Models, and Exponential Adoption Curves is leading to large scale disruption of industries at an unprecedented rate.

4. Supply Chain
Solving for Great Business Outcomes

**Operate more efficiently:** IoT enables companies to operate more efficiently and improve internal business processes - saving time, resources and money while improving productivity.

**Enhance the customer experience:** Companies utilize insights generated from physical objects to tailor the customer experience and ultimately increase customer satisfaction and loyalty.

**Add new revenue streams:** Companies are seeking to grow their business by introducing new, differentiated and innovative solutions (products and services) to the market.
Where is Disruption in Your World?
Saving our Vaccines

Moving to Colorado!

Bio-Medical refrigerator

Health issue and safety risk

Some medication must be kept at a specific temperature in order to maintain its efficiency. This is why pharmacists are responsible for keeping a log of temperatures daily. Failure to do so may put them in a bad position legally. Furthermore, if a power failure was to happen during the night, someone need to be warned as soon as possible in order to take action.

A DASBOX helps the pharmacists do just that. It monitors the temperature of the bio-medical refrigeration units. It will send the pharmacist a monthly report of normal situations and send him an SMS or an email in the case that something is wrong within his refrigeration unit.

DASBOX cool

10 data types
3G gsm & LoRa network weatherized made for the cool supply chain

Vibration Displacement Temperature Humidity Barometric Pressure Geolocation Shock
This August, doctors at Shanghai Changzheng Hospital successfully carried out a complex vertebra replacement using 3D printed bones. 28 year old Xiao Wen had developed bone cancer in her neck, but an appropriate replacement implant was unavailable. Instead, doctors decided to create a 3D printed replica of the bone using titanium alloy.
Bio Printed Organs

A team at Oxford University recently revealed a droplet based 3D printing technique that enables the growth of living structures from lab grown cells. This could be used to repair or replace damaged human organs, reduce the need for animal testing and improve the effectiveness of drugs.
Brain to Computer Interfaces

Earlier this year, Elon Musk’s medical research company Neuralink announced the development of neural lace technology. The product is essentially a brain implant which connects the mind to a computer via electrodes, letting humans upload and download content. It’s almost impossible to imagine the possibilities of connecting our brains to computers. Nonetheless, other organisations are also working on the technology, including Facebook, the University of California and startup Kernel.
In the Netherlands, The eNose Company has developed a replica human nose that can successfully carry out ‘artificial olfaction’ – in other words, smelling without a real biological nose. Applications include screening diseases through body odour analysis and equipping law enforcement teams with the nasal sensitivity of sniffer dogs.
Ocumentics Technology Corporation is a company with a clear vision; sight without the need for glasses or contact lenses. In future, as Augmented and Virtual Reality see wider adoption, similar solutions may be developed using these mediums.
Robotic exoskeletons are wearable machines that fit around the user’s body. They have been used by the military to improve limb performance, enabling the wearer to pick up heavy objects effortlessly. Outside of the military, exoskeletons have found a noble application in healthcare. ReWalk Robotics, for example, designs exoskeletons for those suffering from paraplegia or spinal cord injuries in their lower bodies, giving them the ability to walk again.
Fitbit. The Health Company.
One of the Largest Health and Fitness Databases

82M hours of heart rate data
79T steps
5B nights of sleep
160B hours of exercise tracked
Inspiring Behavior Change that Leads to Real Results

70% of daily Aria users lost weight in first 6 months

70% of low activity users moved more after two weeks of using Reminders to Move

2,000 more steps per day when participating in a Challenge

700 more steps per day by users with at least one friend
Personalized Guidance and Coaching Offering

Fitbit Coach
- Available
- Fall
- (5 Languages)

Audio Coaching
- Available with Fitbit Coach
- Fall
- (3 Languages)
- Available on Fitbit Ionic
- 2018

Guided Health Programs
- Available in the Fitbit App
- Winter
- (English)
Driving Positive Returns for Employers, Health Plans and Health Systems

1,300 Enterprise customers in 2016

70 of Fortune 500

2.6 million Fitbit users have connected their data into population health and health management platforms
Ditch the Egos. External Focus.

Create a Strong Strategy Team + Collaborate

Learn about and Leverage your Ecosystem
DSEDP selected Arrow as lead IoT Technology Advisor for Colorado Smart Cities Alliance

Arrow ranked 7th in Top IoT Implementers Classification by PYMNTS.com

Arrow Electronics partners with IBM to grow IoT business in APAC

Newly Launched Arrow Open Lab at Science Park Drives the Pursuit of Innovation in Hong Kong.

Arrow Electronics' IoT Program Demonstrates Distributors' Value in the 3rd Platform,

Arrow introduces single billing service to reduce IoT complexity

Arrow introduces services to monitor and manage connected devices