A Patient Centered Ecosystem
Internet of Things in Healthcare

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IoT and Me – A Story

For me it started with a Fitbit…

...and it told me I was lazy

IoT and Me – A Story

So I started walking more, only to find out…

I ate too much.

So I started using MyFitnessPal…

IoT and Me – A Story

And the craziest thing started to happen…

I started losing weight and enjoying exercise (just don't tell my Fitbit)

So I started using a few more apps and devices…

Here's the Magic

Every device worked for me...towards one goal...making me healthier

The Hyper-Engaged Patient

The Patient of the Future

I've got the device, now what?

The power is in the data, which can be used to:

- Augment the electronic medical record
- Establish trends and baselines for population health management
- Improve quality and speed of diagnosis

"The Internet of Things has become increasingly meaningful to healthcare organizations seeking more seamless, attractive, impactful ways to keep their patients happier and healthier on a larger scale."
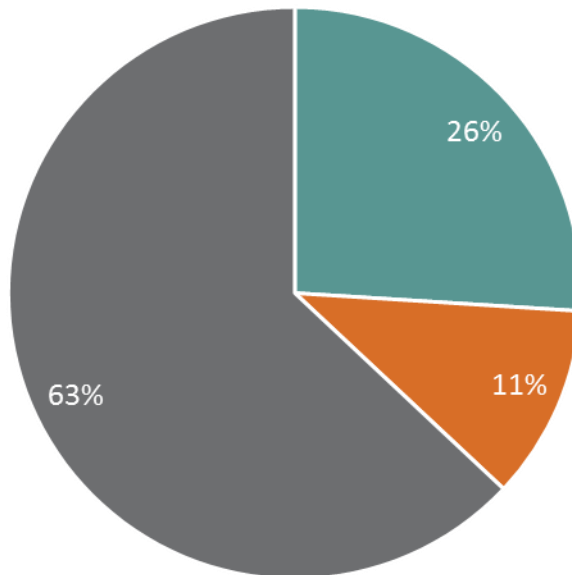
Crowdsourcing Care

"I've been taking @xyz drug for two weeks now and now I can't sleep! #drugfail #iambatman"

Using machine learning and big data analytics, companies can harness social media to search for potential epidemics, adverse drug interactions, or wellness trends amongst certain populations...think about that the next time you post, tweet, or snap!
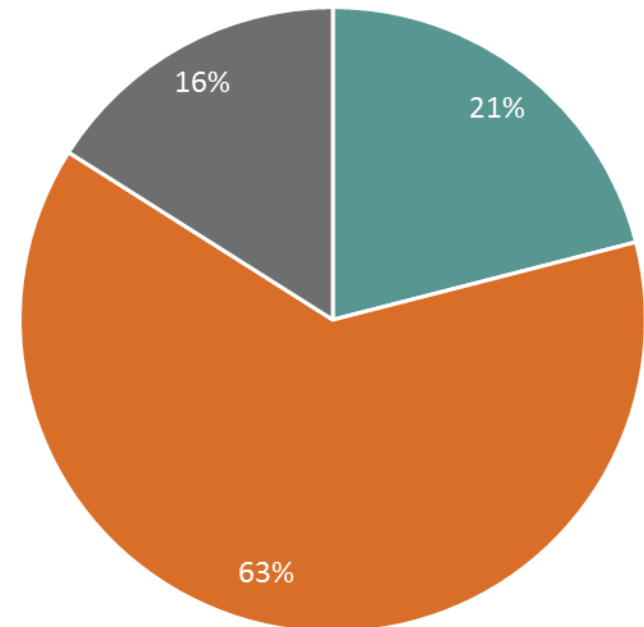
From Wearables to Implants

Would you accept a connected implant to avoid waiting in line at an event?

26%

11%

63%

Not Sure   Yes   No

Would you accept a connected implant to monitor your health?

16%

21%

63%

Not Sure   Yes   No

*Transformation Society 2014 Survey Results

Bringing Order to Chaos

Acceptance

Connected care devices are the future and patient-generated health data will fuel a revolution of highly engaged patients...sounds great right?

But is healthcare culturally ready for this change? Are your providers and care givers? Engaging these critical stakeholders can help create a voice in building an IoT Action Plan.

Infrastructure

With billions of new connections lighting up each year, is your infrastructure ready?

Beyond the network and servers, EHR's will need the ability to act as information brokers...sharing and accepting millions of data points to IoT devices

Speed, agility, and reliability will be the tenants of any successful healthcare infrastructure backbone

Interoperability

This is where it gets interesting...how do you connect billions of end points without standard means to interface?

Patient privacy and information security become even more critical in a world where information is being shared in real-time between billions of devices

Workflow

The way care is delivered today isn't aligned to the data rich, technology driven approach of the future.

Aligning with providers to build a new workflow that combines human intuition and experience with the powerful algorithms that make precision medicine the norm.

Fluid Dynamics

Patients can benefit greatly from the IoT, but given the maturity of interoperability and the culture of healthcare...embracing the chaos of changing standards is the key to early success.

Wrap-Up

The Patient Experience Matters

Building an ecosystem of people and products around our patients is the best way to connect them to the IoT

Questions?

Reach Out and Connect!

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