The Brave New World of Interoperability

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Overview

• Current state of interoperability
• Government regulations impact
• Industry advancements
• Internet of Things
• Future of health IT
Interoperability is an EXPECTATION
Our goal is to make it a universal REALITY
21st Century Cures Act

President Obama Signs 21st Century Cures Act into Law

The 21st Century Cures Act will stimulate medical research funding, and targets

House overwriting Century Cures Act

Congress passes 21st Century Cures Act, boosting research and easing drug approvals

The Current 21st Century Cures Legislation Is Still A Bad Deal For Patients

Amrep Srinivasan and Michael Fuchs
21st Century Cures Act implications on health IT

• New regulations to lead to increased interoperability:
  – Forbid intentionally blocking sharing of clinical data
  – Support ONC to summon stakeholders to “develop or support a trusted exchange framework”
  – Goal to reduce burdensome regulations for EHRs

• Efforts to fight opioid abuse and accelerate drug development process

• Funding to improve mental health care
CommonWell/Carequality connection

*NextGen is query only, not pulling in data.
Carequality and CommonWell Health Alliance collaboration

This effort will establish **near-universal connectivity** across providers and will dramatically increase their ability to assemble a more holistic patient record.

Together, members and participants from both organizations represent:

- **90%** of acute EHR market
- **60%** of ambulatory EHR market
“By the application being contextually aware, the provider gets to the answer they’re looking for a lot quicker, making better use of their time and providing them with more time to care for the patient.”

– Louis Krenn, MD
CoxHealth Chief Medical Information Officer
Fueling an innovation ecosystem

Increased number of app users from 0 to 150 in two months

Dignity Health

ONC Meds List project demonstrated at White House

Trinity Health

Wake Forest Innovations

HEART Pathway content delivered into Cerner systems through SMART on FHIR app

SMART on FHIR app running in Cerner domain

Cleveland Clinic
Developers can access the sandbox, tools and developer resources

accelerating an open community of innovation

code
The Internet of Things and why it matters
The Internet of Things (IoT) – what is it?

Smart, connected technologies that exchange data with each other and **add value** to the way we work, live and interact with our surroundings
Potential for IoT – a few examples

Data from fitness apps to help providers monitor patients’ health

RFID and mobile scanners that manage inventory in real-time, so hospitals always have exactly what they need and when

Sensors that automatically measure and analyze patients’ vital in emergency rooms
Why should the health industry care?

IoT advances **health connectivity** and brings **value**.
How Cerner is applying IoT

Cerner Millennium EHR
and HealtheIntent

CareAware device connectivity

Actionable insights
New technologies bring new challenges

Technologies need to be secure from the start.

More data standards need to be set.
A thought to leave with

We must work together to evolve interoperability. If we don’t, patient-centered health care isn’t possible.
Thank you!