Healthcare Task Group
Sydney, Australia

Chairs:
Erin Bournival (Dell), David Pare (DXC)
2019.05.21
Agenda

• **09h00 AM**: Overview & Vision for IIC and IoTAA Healthcare

• **09h15 AM**: Presentations - Art of the possible

• **09h45 AM**: Group activity: Identify IoT use cases suitable for a test bed

• **10h30 AM**: Break

• **11h00 AM**: Group activity: Determine test bed framework across vendors

• **11h30 AM**: Create a Plan for a plan for the test bed project

• **11h55 AM**: Closing
The IIC must comply with antitrust laws around the globe.

- Agreements that unreasonably limit competition (e.g., fix prices, allocate territories, assign customers, boycott suppliers or customers, “tie-in” unwanted products or limit output) may violate these laws.
- If you suspect that such violations may be occurring, tell IIC staff.
- Members are requested to instruct their representatives on proper antitrust behavior.
Confidentiality and Copyrights

- All disclosures to the IIC or at IIC events are not confidential; no one is prohibited from sharing, within or outside their organization, what they learn at IIC events (unless a specific written agreement exists).

- All contributions and submissions to the IIC or at IIC events may be copied, modified, distributed and sold by the IIC and its sublicensees.
  - Under both the membership application, by which the member agrees to abide by the IIC’s intellectual property policies (as set forth in Section 4.0 of the IIC Policies and Procedures) and the Non-Member Non-Disclosure and Copyright Acknowledgement signed by guests, all submissions to the IIC are both non-confidential and subject to a broad copyright license.

- The IIC will not release tangible contributions from Members without Steering Committee approval.
The IIC Healthcare TG was retired 2 years ago when the leaders’ commitments changed and they could no longer lead this TG.

There is interest now in re-instating the TG as a cross-disciplinary team of IIC members who are interested in the Healthcare vertical market.
IIC Working/Task Groups goal:

“The Industrial Internet Consortium Working and Task Groups coordinate and establish the priorities and enabling technologies of the Industrial Internet in order to accelerate market adoption and drive down the barriers to entry. “

To achieve this goal, this new Healthcare group will need to:

• assess the current state of technology in this space; [David: For what purpose?]
• define work-streams and deliverables to address technology, architectures, security, use cases, and testbeds issues associated with Healthcare in the IIoT; as well as
• consider and influence standards & specifications that lead to wide-spread adoption of the Industrial Internet in this sector.
The IIC Healthcare Task Group is a cross-disciplinary team of IIC members who are interested in the Healthcare vertical market. The group addresses technology, security, use cases, testbeds and marketing issues associated with Healthcare in the Industrial Internet.

The IIC Healthcare Team will identify and establish the technology, security and market criteria necessary to ascertain standards & specifications leading to wide-spread adoption of Industrial Internet technology in this sector.

Can we modify and adopt this charter?
Why do we need an IoT Test Bed in healthcare?
Can You See the Emerging Chaos?

Source: Gartner
ID: 363333

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The Cacophony of Digital Products and Services

- Virtual Primary Care
  - babylon
  - halodoc
  - Zava
  - Doctolib

- Digital Diabetic Therapeutic
  - diabeo
  - omada
  - virta
  - insulia

- Medication Adherence
  - emocha
  - mobile health

- Expert Guidance
  - Caption Health

- Neurodegenerative
  - Dthera

- Digital Diagnosis
  - Rhythm

- Digestive Health
  - CARA CARE

- Remote Patient Monitoring
  - glooko
  - Tactio
  - Vivifyhealth

- Measurement
  - proteus

- Health and Wellness
  - Vitality
  - BestLifeRewarded

- Digital Asthma & COPD Therapeutic
  - Propeller

- Dermatology
  - SkinVision

- Digital Physical Therapist
  - SWORD HEALTH

- Pain Therapy
  - kaia

- Sleep Disorders
  - eviData

- Cognitive Health
  - Neurotrack

- Digital Coaching
  - vida

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Create Value From the Chaos

**dWellness**
Consumer and Medical DPS that inform and educate individuals about their health status and health risks.

**dCare Management**
Consumer and Medical DPS that can intervene, treat or manage a long term or chronic illness.

**dRecovery**
Consumer and Medical DPS that can monitor and assist in the recovery of an individual following an illness or medical procedure.

**dPrevention**
Consumer and Medical DPS that help individuals reduce or manage both avoidable and unavoidable health risks or illnesses.

**dDiagnosis**
Consumer and Medical DPS that can measure conditions and contribute to the diagnosis of a medical disorder or disease.

**dTherapeutics**
Consumer and Medical DPS that can intervene and treat an illness either independently or as a complement to another treatment modality.
An Example of Connected Care Pathway for Cardiology Using the Framework

**dWellness**
- Withings Pulse HR
- Apple Watch Series 5

**dPrevention**
- HeartCheck Pen
- AliveCor KardiaMobile

**dDiagnosis**
- iRhythm Zio
- Synergen ScioCardio

**dTherapeutics**
- Cardiowell Hypertension Program

**dRecovery**
- BioTelemetry MCOT Patch

**dCare Management**
- Abbott Confirm Rx Insertable Heart Monitor

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**Consumer Directed Care**
- Home, Work and Play
- Retail
- Health System
- GP, PCP, PCMH

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**Clinically Directed Care**
Healthcare IoT Barriers/Challenges

- Security and privacy of patient data
- Lack of uniformity among connected mobile devices
- Interoperability between devices
- Integration with existing applications
- Vulnerable data transmissions
- Building funding, business, and operational models
- Attracting digital talent
- Adoption of IoT technology
- Lack of standards
IoT Healthcare Test Bed – Workshop activities

https://pollev.com/davidpare013