Staying Alive: Essential IoT

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Staying Alive

The threats?
- Population health
- Patient health
- Government stability
- Workplace productivity

7 billion
Staying Alive

• Communicable Disease

Examples:
- HIV/AIDS
- Ebola

• Non-Communicable Disease

Examples:
- Diabetes
- Cardiovascular Disease
- Cancer
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Augmented Behavior

Act

Create

Magnitude
Risk
Time

Sensors

Network

Augmented Intelligence

Analyze

Aggregate

Communicate

Standards

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Mathias Cousin, et.al. 2015
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- Challenges: Population Mobility, Patient Data, Connectivity
• **Essential Architecture - Occasionally Connected**
  
  – Data
  – Security
  – User Interface

• **Essential Business Model**
  – Appropriate

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**Case Study: Uganda**

- 1M patient encounters
- Multiple sites
- Varied connectivity: moderate to none
- Monthly reporting effort reduced
- Data quality 90%
- Reporting is the result of care, not a separate effort
Thank you!