

## Daniel Kraft

Physician, Scientist, Entrepreneur, and Repeat TED Speaker

**Medical Innovation & the Accelerating Future:** Being proactive instead of reactive.

Themes covered:

- New approaches to diagnostics, from molecular to digital
- Redesigning care on the frontlines from the ER/ICU to primary care
- Acceleration of virtualized care, from telemedicine to connected, data driven
- Therapy acceleration: from drug discovery and clinical trials to vaccine development
- Public health/global health collaborations and emerging platforms that will impact the future of health and medicine, to prevention, detection and response of future pandemics

**From Hospital to Home:** Prevention, diagnostics, and care is increasingly moving out of the 4 walls of the clinic, ER, and hospital.

Themes covered:

- Understanding the accelerating use of connected health solutions, remote patient monitoring for high-risk patients, and standard care
- Cutting edge and future of telehealth
- Future of the hospital
- The Virtualist: role and abilities of the future clinician
- Digital health on steroids and what's coming next
- Regulatory and reimbursement: aligning incentives for the modern age

**Augmented, Virtual, and Extended Reality:** How VR/AR/XR are reshaping health and medicine. AR, VR, and XR has a wide range of applications across healthcare and biomedicine. In this talk he explores many of the cutting-edge use cases and future potential for AR & VR in medical education and simulation, to therapy, telemedicine, and beyond.

Themes covered:

- AR/VR/XR in medical education (simulation, training)
- Virtual therapy (pain Rx, physical therapy, mental health)
- Virtual collaboration tool
- Virtualized healthcare

**Exponential Technologies, Mindset, and Innovation**

Themes covered:

- Understanding exponentials, disruption, and pace of change
- A dive into accelerating and exponential technologies, from AI, robotics, Big Data, and genomics, to VR, 3D Printing, Blockchain, and beyond
- Convergence: the role of convergence exponential technologies in reshaping
  - Healthcare
  - Future of work
  - Travel (self-driving cars)
  - Future of home (entertainment, social)
  - Business models