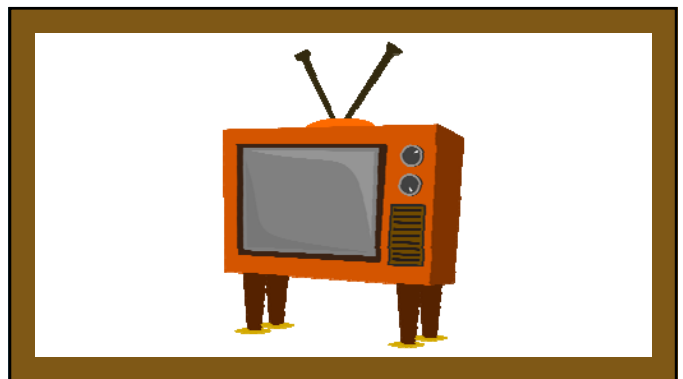


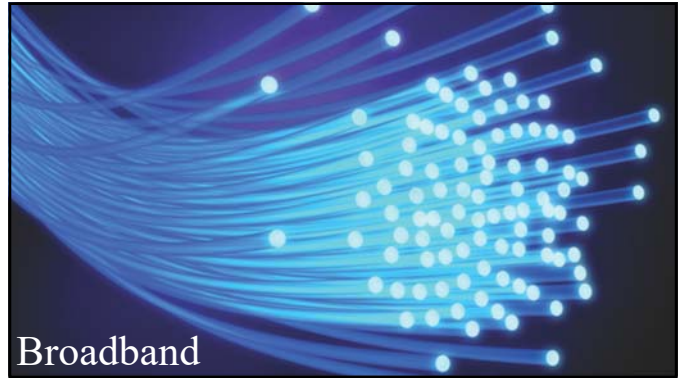
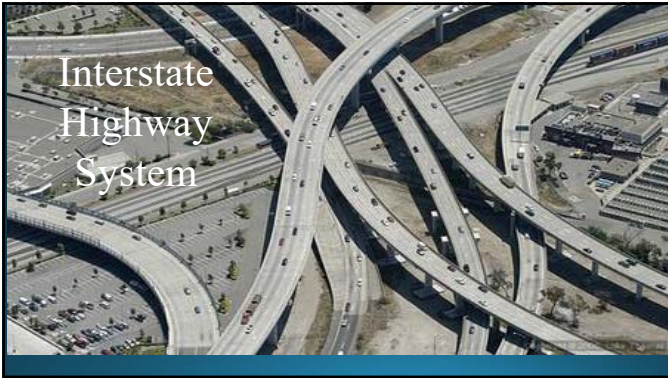
Connect2Health fcc

EVERYONE CONNECTED TO THE PEOPLE, SERVICES & INFORMATION THEY NEED TO GET WELL & STAY HEALTHY.


Digital Health the underserved and Health Innovation
 Chris Gibbons, MD, MPH

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 Federal Communications Commission,
 Connect2Health Task Force
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 Johns Hopkins Medical Institutions
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What do each of the previous slides have in common?



Networks that have transformed society.

Societal Transformations?

- 1800 – Railroad networks – Transcontinental commerce
- 1920 – Telephone networks – Audio communication at a distance
- 1930 – Electricity Grid – Agriculture, Industry to the Great Plains
- 1930 – Radio networks – Audio communication to mass audiences
- 1940 – TV networks – Visual communication to mass audiences
- 1950 – Interstate highway - Economic Growth and development

Disruptive Innovations

Networks transform society because they enable connections between people, goods and services

When people are connected, there is opportunity for engagement, change, enhancement and Improvement & healing.

Broadband is the network of the 21st century

- Accelerates the velocity of commerce
- Reduces the costs and implications of distance
- Platform for solution development
- Expands our ability to communicate, inform and engage



CHANGE AHEAD

It will transform the health sector, as it has done to every other sector of society



What's the FCC vision?

“Everyone connected to the people, information and resources they need to get healthy and stay well.”

Future organization of Care

Inpatient Care * Critically Ill Complex Procedures * MD driven 5-10%	“Hospital”@ Home (inpt services @ home) * Lower acuity care & Procedures * MD driven 10-15%	Smart Care Communities (Geo.ecosystems of care) * Post Acute Care Facilitate CDSM+ * NP/ N driven Midlevel providers CHW/PN 10-20%	Smart Care Smart Homecare - Prev Focused (pri, sec & tert) ecosystems • Facilitate independent living • Enhance patient and caregiver support • Algo/ML/Cognitive Computing driven • MD/NP Overseen/developed Retail Healthcare • Time & cost efficient care • Low/med complexity, acute and urgent care mHealthcare • Focus: Health Promo/Wellness ecosystems • Smart Cars, wearables, Apps, Alexa • Place independent care, Virtual Care • Focus: "On Demand" interactions/Care triage Command Centers • Health Services Traffic Control 45+%
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Institutional connectivity **Consumer Connectivity (Access to care)**



- **Past**
 - Optimizing inpatient care
- **Future**
 - Restricted volumes of inpatient care
 - Wider spectrum of ambulatory care services
 - Much higher volumes of technology mediated care interactions

- Tremendous opportunities for nursing research
 - Are virtual connections different than live connections?
 - How can tech help us do the right things even better?
 - Can tech help us overcome problems of health literacy?
 - Can tech revolutionize surveillance, screening, tx or f/u?
 - Can tech help us scale what we know?
 - Can tech help us communicate more effectively?
 - How can tech help people connect to the resources they need?
 - Can tech help us address SDOH?

A Final Question

How will we connect everyone in America to the people, information or other resources they need, to become healthy or stay well... without a greater reliance on technology and the broadband networks on which they operate?


If, When...How

Thank You!

Questions?

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