Wireless Challenges from the Hospital Perspective

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Largest healthcare provider in SW Va.
Varied hospital environment, 800 beds-20 bed Critical Access
Wireless Communication Protocols in healthcare institutions

- 802.11 (WiFi)
- WMTS (wireless medical telemetry)
- 900 MHz (RFID and cordless phones)
- Infrared
- Cellular
- Bluetooth
Challenges at Carilion Clinic

• Bandwidth and density on 802.11
• Potential interference on WMTS
• Physical challenges of infrared