US UCAN: University Perspective

Larry Conrad
VC for IT and CIO
UNC Chapel Hill
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The University and US UCAN

- First of all, this is NOT about the University...
- ...thanks to I2, we have the connectivity we need on campus
- This IS about our communities
- Faculty and staff increasingly need connectivity at home like they have in their campus offices
  - Big data
  - Video
  - Graphics
  - Courseware
  - Med School physicians
Student demand for bandwidth is ever increasing

- YouTube
- And other video-on-demand, e.g., Netflix
- Gaming
- And, oh yeah, on-line coursework

And most students live off campus in our communities

Plus we have a “public service” mission to improve the lives of our citizenry
High Bandwidth Can Help Our Communities

- **Telehealth**
  - Driven by the Affordable Care Act which is redefining the financial model to a pay-for-wellness model
  - Improved outcomes: patient monitoring, aging in place
  - Reduced costs: fewer hospital re-admits, reduced medical transportation costs, fewer emergency room and doctor visits

- **Economic development**

- **Education**
Gig.U Initiative

- Inspired by President’s Broadband America report
- [www.gig-u.org](http://www.gig-u.org) - 37 research university members
- “Think globally (nationally), act locally”
- Triangle Gig.U partners
  - UNC Chapel Hill—Chapel Hill, Carrboro
  - NC State—Raleigh
  - Duke—Durham
  - Wake Forest—Winston-Salem
  - Cary
  - RTP
Chapel Hill/Carrboro Fiber Demand Map