

02-60

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Federal Communications Commission  
Office of the Secretary



# Southern Ohio Health Care Network



WC Docket No. 02-60

## Project Briefing

On behalf of

**Adena Health System** – Chillicothe, Ohio

**Holzer Health Systems** – Gallipolis, Ohio

**O'Bleness Health System** – Athens, Ohio

14 August 2008



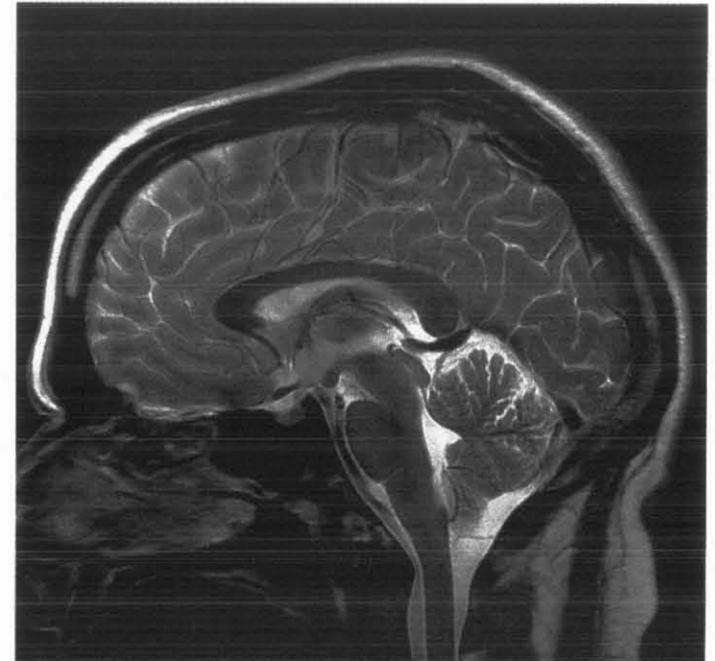
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# Partnerships

## Telemedicine Successes

- PACS images read from home or, after hours, from Australia.
- Neonatal intensive care consultations provided remotely from Children's Hospital of Columbus.
- Telemedicine stroke consultations have cut errors by 75%.
- Vital signs and symptoms are recorded and reported from home health care clients.



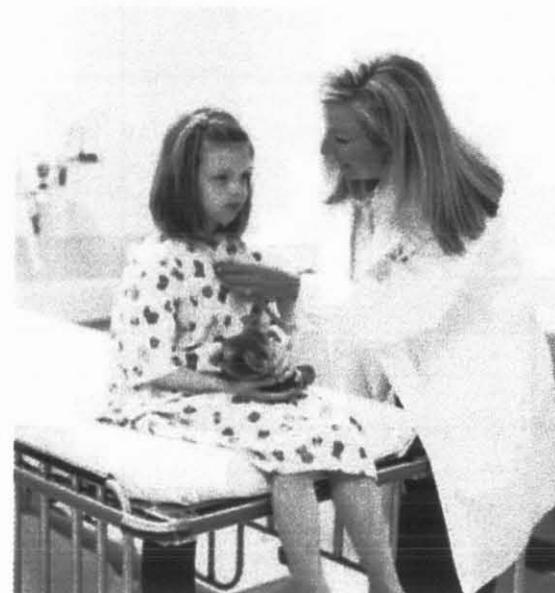


# Rural Telecom Realities

- Low carrier investment due to low population density and strategic interests lying elsewhere.
- Many areas remain “dark.”
- Limited range and saturation in areas served.
- Insufficient redundancy for mission critical needs.
- Lack of high performance services.

## SOHCN Objectives

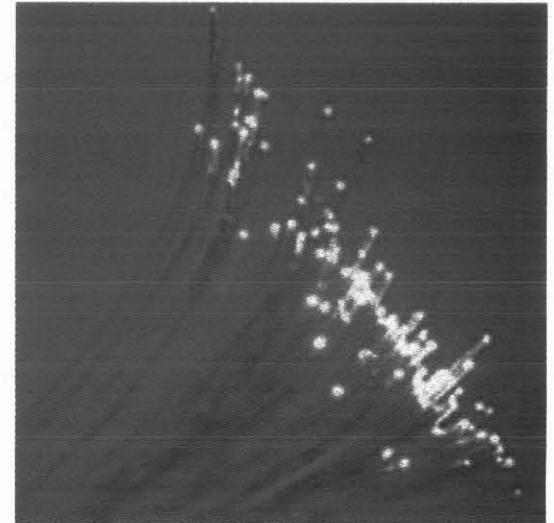
- Create inclusive broadband network.
- Enhance sustainability of rural practices.
- Expand HD telemedicine, delivering urban experts to rural facilities.
- Support development of the Regional Health Information Organization (RHIO).
- Improve broadband access across the region.
- Extend capacity to economic development, digital divide projects and K-20 initiatives.



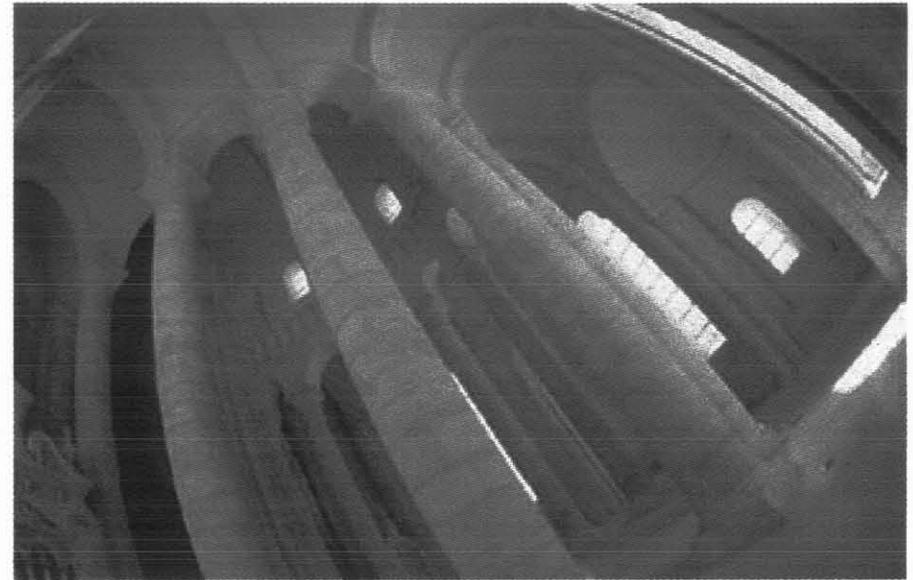
# Partnerships

## Two Awards : One Project

- Adena-O'Bleness = \$14.2 million
- Holzer = \$1.8 million
- Merger requested from FCC so that we can issue a single RFP.
- Combined Match = \$2.4 million (minimum)



# Foundation of Approach



- Achieve Pervasive Access
- Build-on and Create Partnerships
- Deploy Open Architecture solutions.

# Partnerships with Carriers

- Use the FCC funds to spur broadband deployment
- Health care providers as “anchor tenants” justifying the build.
- Carrier commitment to expand broadband in the communities:
  - New types of broadband services.
  - Extending range of broadband coverage.
  - Nearing the goal of Pervasive access.
- Lock-in 10 year rates, including upgrade path.



# Importance of Community Broadband

- Pervasive access to connectivity.
- Critical help from Congressman Space with FCC.
- Physician homes.
- Patient telemetry.
- General health of the rural economy.
- Economies of scale in on-going costs for broadband.



# Darbyville Example

- No broadband.
- Per capita income half of Ohio average.
- Average home value half of Ohio average.
- Brain drain with 1.1% of residents holding Bachelor's compared to 21% in Ohio.
- Generations growing up behind the power curve of modern society.



# Darbyville Solution

- USDA Community Connect Grant of \$600K.
- Horizon Telcom match of \$300K.
- Fiber-to-the-home: every home!
- Community Technology Center.
- Partnerships, Pervasive Access, Open Architecture

