

Building Momentum: Health Information Exchange in Iowa and the Iowa Rural Health Telecommunications Program

Art Spies
Senior Vice President
August 28, 2008



IOWA HOSPITAL
ASSOCIATION

100 EAST GRAND, SUITE 100 | DES MOINES, IA 50309 | PHN 515.288.1955 FAX 515.283.9366

WWW.IHAONLINE.ORG

FCC

Rural Health Care Pilot Program

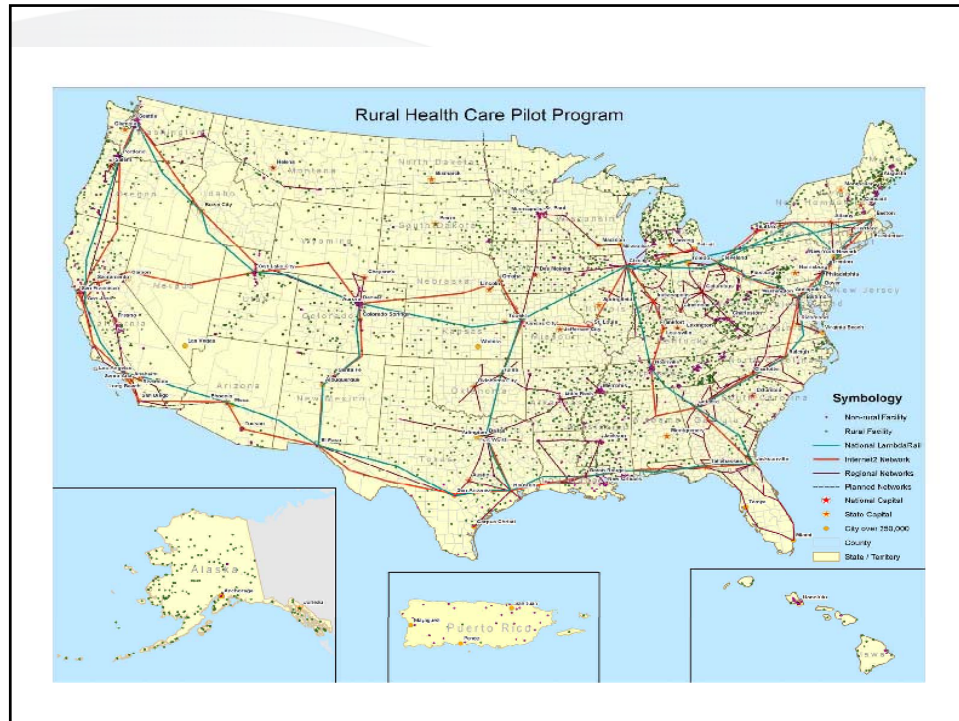
- \$417 million over three fiscal years
- Over 6,000 healthcare facilities in 42 states and 3 US territories
- Extend broadband to rural healthcare providers
- Assist in delivering advanced health care and implementing national electronic medical records
- Connectivity to a national backbone



IOWA HOSPITAL
ASSOCIATION

100 EAST GRAND, SUITE 100 | DES MOINES, IA 50309 | PHN 515.288.1955 FAX 515.283.9366

WWW.IHAONLINE.ORG



Iowa Rural Health Telecommunications Program

- Consortium of 88 Iowa hospitals, and
 - coordination with 2 Nebraska and 2 South Dakota Health Systems
- Goal: high bandwidth communications for hospitals
 1. Fiber connection installed at each hospital – Last Mile
 2. Fiber interconnected to ICN's current buried fiber optic backbone
 3. Hospitals linked with (1) Gigabit connection to a (10) Gigabit backbone
- New electronics installed at hospitals, ICN Points of Presence (POPs), and merged areas to form a resilient, restricted access network



IOWA HOSPITAL
ASSOCIATION

100 EAST GRAND, SUITE 100 | DES MOINES, IA 50309 | PHN 515.288.1955 FAX 515.283.9366

WWW.IHAONLINE.ORG

IRHTP - Award

- Estimated project cost of \$11.7 million
- FCC award of \$9,948,937 over three fiscal years at \$3.316 million per year.
- First fiscal year ends June 30, 2008
- Program coordination at 88 hospitals
- Installation of over 200 miles of new fiber
- Over 250 new network elements to be installed and tested



IOWA HOSPITAL
ASSOCIATION

100 EAST GRAND, SUITE 100 | DES MOINES, IA 50309 | PHN 515.288.1955 FAX 515.283.9366

WWW.IHAONLINE.ORG

IRHTP Organization and Administration

- IRHTP Steering Committee established by IHA Board. The steering committee will:
 - Approve consortium bid requirements
 - Award contracts and prioritize project phases
 - Monitor and direct project build-out
- IHA functions as program coordinator
- ICN functions as project manager



IOWA HOSPITAL
ASSOCIATION

100 EAST GRAND, SUITE 100 | DES MOINES, IA 50309 | PHN 515.288.1955 FAX 515.283.9366

WWW.IHAONLINE.ORG

IRHTTP Status and Timeline

- July 31 – submission of fiber and electronics RFPs to the FCC competitive bidding process
- August 12 - Bidders conferences
- September 5 – electronics bids due
- September 12 - fiber bids due
- September - bid evaluation
- October – contract awards
- November – build-out begins
- Build-out completed by 12/31/10



IOWA HOSPITAL
ASSOCIATION

100 EAST GRAND, SUITE 100 | DES MOINES, IA 50309 | PHN 515.288.1955 FAX 515.283.9366

WWW.IHAONLINE.ORG

Iowa Communications Network

- State of Iowa owned telecommunications organization
- Provide voice, video, data, and Internet services for K-12, Higher Education, State Agencies, Libraries, Federal Government, and Healthcare.
- Restricted Access Network
- Provide uniformly priced, high bandwidth services to all 99 counties
- Over 3000 miles of buried fiber optic backbone
- Recognized as a common carrier by the FCC

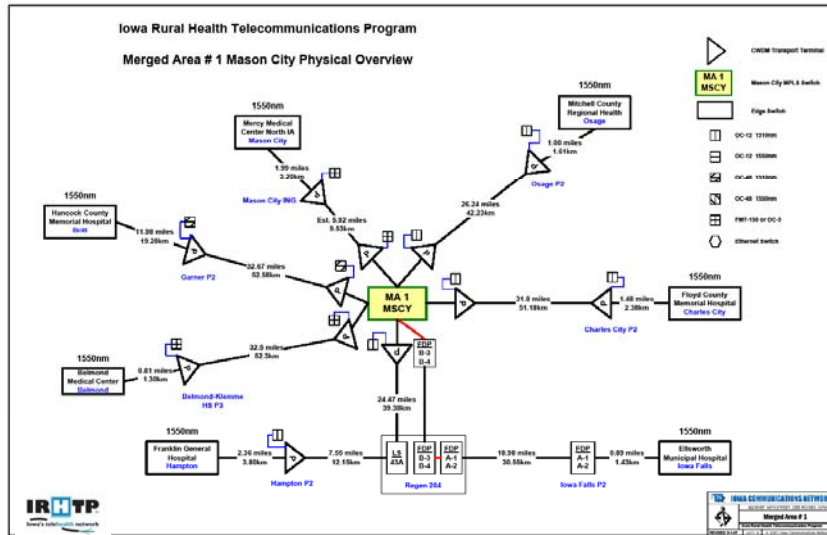


IOWA HOSPITAL
ASSOCIATION

100 EAST GRAND, SUITE 100 | DES MOINES, IA 50309 | PHN 515.288.1955 FAX 515.283.9366

WWW.IHAONLINE.ORG

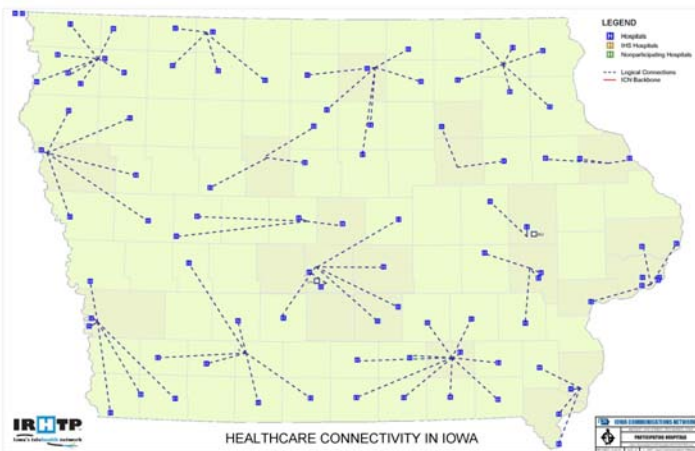
Hospital Connectivity



100 EAST GRAND, SUITE 100 | DES MOINES, IA 50309 | PHN 515.288.1955 FAX 515.283.9366

WWW.IHAONLINE.ORG

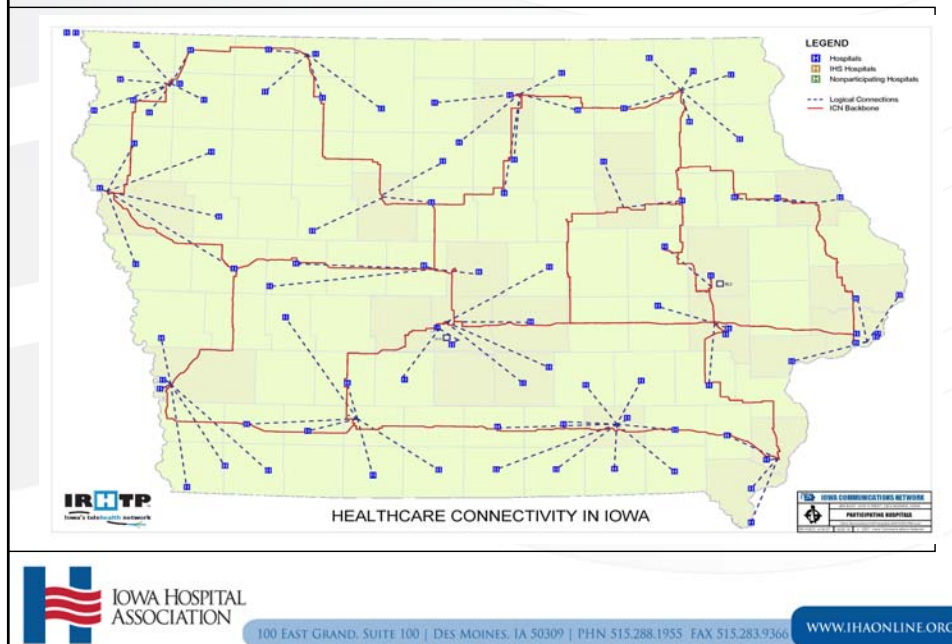
Site Aggregation



100 EAST GRAND, SUITE 100 | DES MOINES, IA 50309 | PHN 515.288.1955 FAX 515.283.9366

WWW.IHAONLINE.ORG

Statewide Network



Potential Applications

- Electronic Medical/Health Records
- Remote Radiology Reads
- eICU
- PACS Consolidation
- Remote Server Hosting
- Shared Resources – Internet, MCU
- Distance Learning
- Healthcare Intranet