



CHANGING HEALTHCARE, CHANGING LIVES

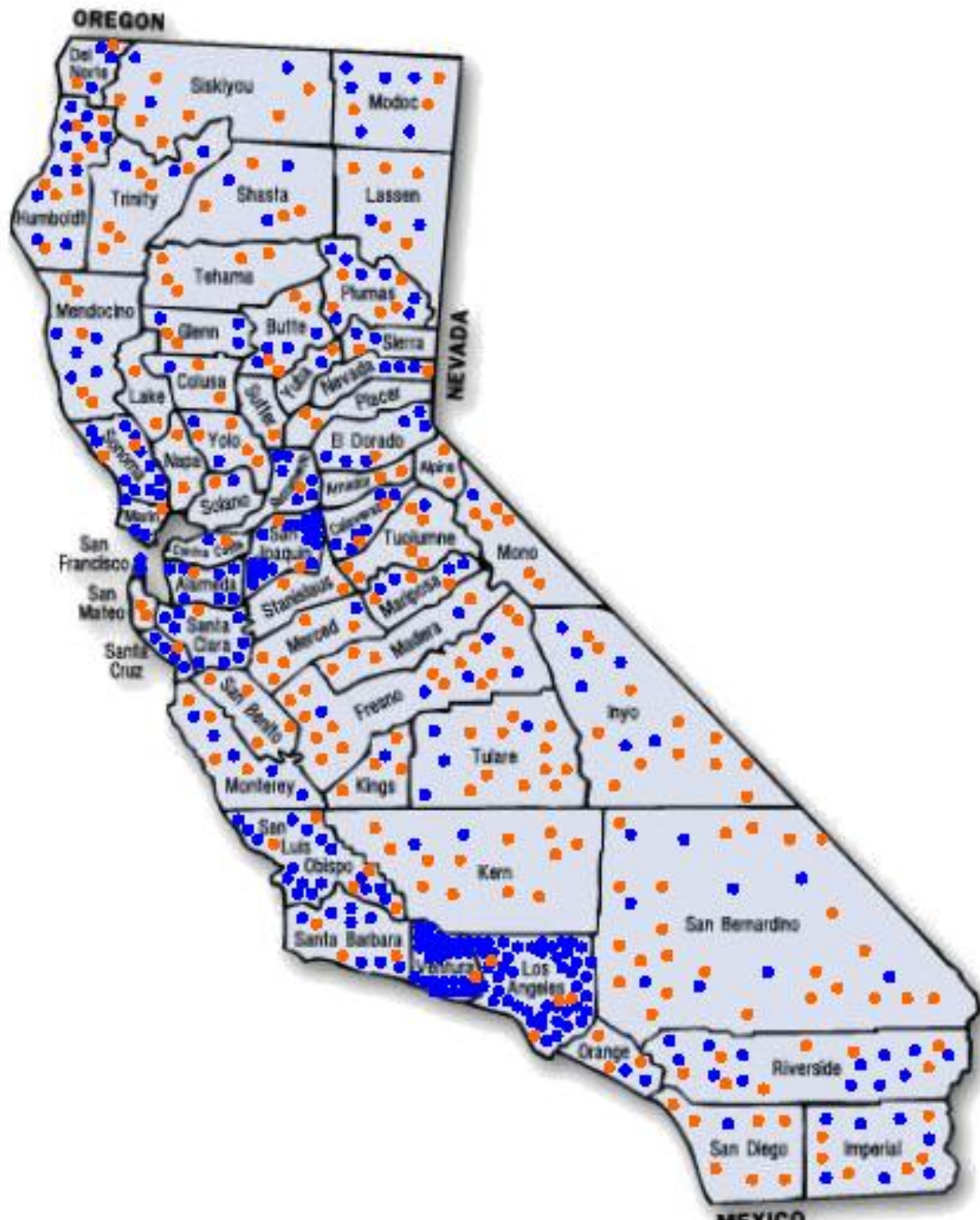
CTN Mission Statement

**To promote advanced
information technologies and
services to improve access to high
quality healthcare focusing on
medically underserved and rural
Californians**

Current CTN Site Map



CTN Future Site Map



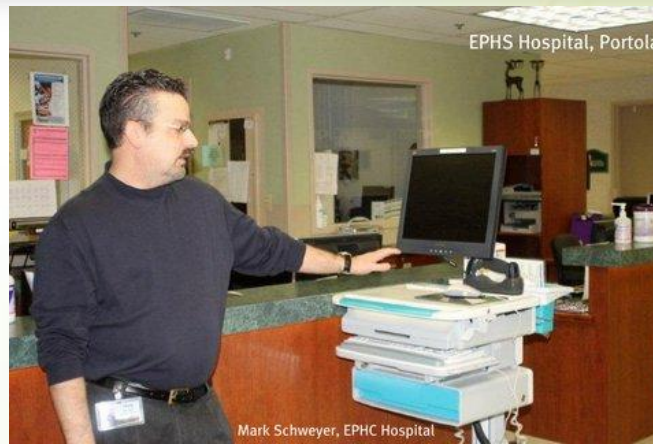
CTN Created to Serve the Underserved

- Statewide consortium came together to apply for the FCC Rural Health Care Pilot Program (RHCPP) broadband subsidy in 2007
- Led by UC Davis Health System (UCDHS) as the lead agency, CTN secured a \$22.1 million subsidy to provide medical grade broadband to safety net healthcare providers in rural and medically underserved communities in California.
- Eligible healthcare providers include:
 - Federally Qualified Health Centers
 - Non profit community and rural health clinics
 - Critical Access Hospitals
 - Public/Municipal/County Health Hospitals and Clinics
 - Native American Healthcare Clinics and Hospitals
 - Veterans Administration Healthcare Facilities

Deployment Progress

- At the close of August, CTN had connections to 770 healthcare sites
- Signature applications include exchange of patient information and live HD quality video over broadband to enable patients to be seen by specialists from distant locations
- Allows local clinics to access services for their patients from the larger California community
- Ideal for secure, fast transfer of patient images and information
- CTN has evolved into a “network of networks” including interconnections with:
 - California Rural Indian Health Board (CRIHB)
 - Indian Health Services broadband network
 - San Francisco Community Clinic Consortium

Eastern Plumas Hospital



Eastern Plumas Hospital

- Critical Access Hospital - Portola, CA (Pop 2,100) in Plumas County, CA
- Closest tertiary hospitals:
 1. Renown in Reno, NV - 50 miles away
 2. UC Davis Health System in Sacramento, CA - 150 miles away
- In July, 2010, EPHC had no telemedicine activity due to lack of reliable broadband and lack of telemedicine equipment
- CTN upgraded broadband services and worked with UC Davis to deploy telemedicine equipment
- Today EPHC reports averaging 250 patient telemedicine video consultations per month predominantly with Renown and UC Davis
- Estimated public benefit value of \$300 per saved patient trip (transportation and lost wages) or \$900,000 per year

Strategic Plan

1. Prioritize applications and services with the potential to reduce healthcare delivery cost and/or improve outcomes
2. Leverage CTN's size to achieve economies of scale
3. Leverage CTN stakeholder partner expertise to provide "Best in Class" services
4. Achieve alignment with California's statewide policy initiatives

FCC Health Care Connect Fund

- Provides 65% discount on broadband services to eligible healthcare providers
- Evergreen program funded through the FCC Universal Service Fund
- Eligible sites enroll once, CTN staff complete and submit paperwork
- CTN will utilize multiple broadband providers to negotiate the best pricing and service for CTN sites
- CTN is California's FCC recognized broadband consortium

Specialty Care Providers

- CTN secured relationships with five telemedicine specialty care providers to support CTN sites
- CTN engaged in a rigorous RFP review process and due diligence based on proven performance with safety net clinics and hospitals statewide
- Eceptionist web based patient referral and scheduling platform used to share patient information across electronic health record platforms
- CTN Connect by Vidyio web based video conferencing platform used to support video telemedicine consultations from any broadband enabled device. Interoperable with legacy video conferencing platforms (Polycom, Cisco, Radvision, etc.)

CTN Connect Powered by Vidyo

- Web based video conferencing solution that provides HD quality video over any wired or wireless broadband connection
- Ideal application to support telepsychiatry and other non bandwidth intensive telemedicine activities
- Less expensive, user friendly alternative to telemedicine carts and/or video conferencing codec hardware platforms
- CTN negotiated license fee rates based on economies of scale
- Allows CTN to offer significant savings to CTN member sites while generating sustainability revenue for CTN

Eceptionist

- Web based patient referral and appointment scheduling platform
- Ideal application to improve quality and efficiency of patient referral process from rural and community clinics to hospitals and to manage scheduling of specialists for telemedicine consultations
- Today, most CTN rural and community clinics use fax and mail to send patient referral information to hospitals and specialists
- Eceptionist platform currently handles 60% of telemedicine scheduling in Canada
- Other clients include Johns Hopkins, LSU Medical Center and Department of Defense

Thank You!

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