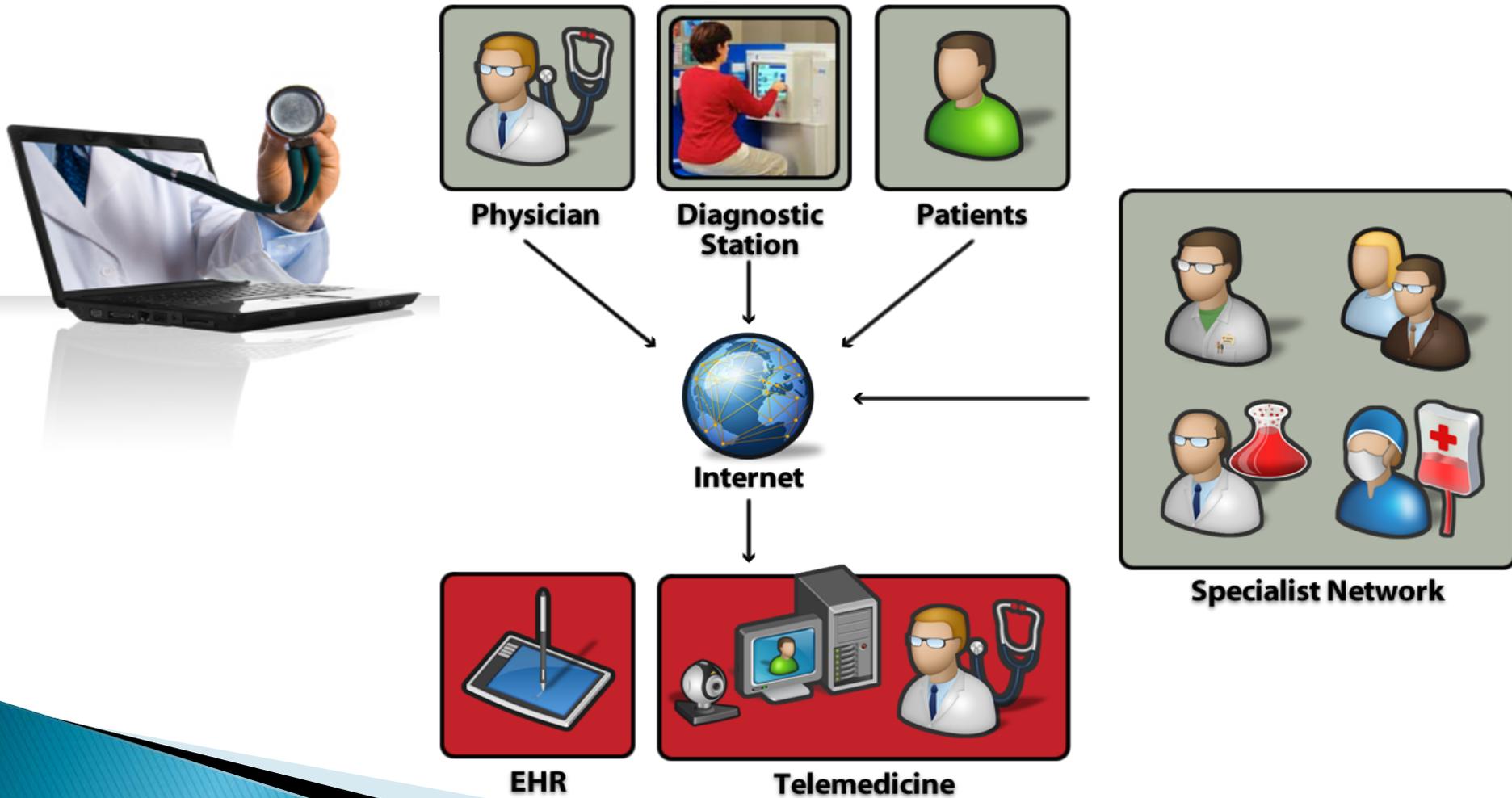


Manilaq Association Telemedicine

October 15, 2012



What is Telemedicine?



TELEMEDICINE HISTORY

WHERE WE STARTED

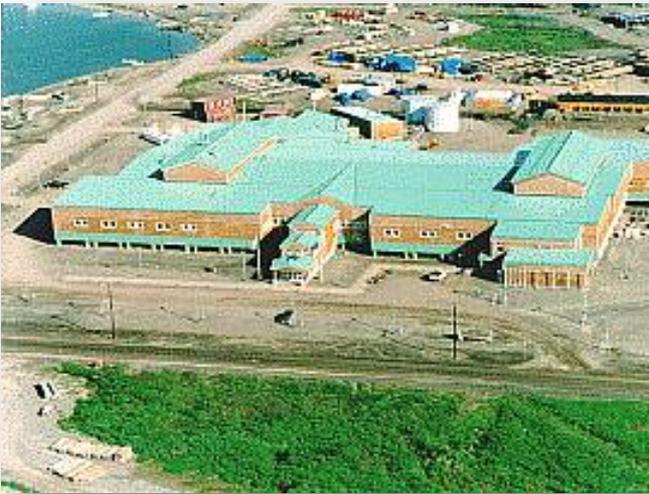


1/17/2013



Maniilaq Health Center

Telehealth in Action



- » Located in Kotzebue, slightly above the Arctic Circle, nearest comparable health care facility is more than 600 miles away
- » Teleradiology routing services enable community health practitioners in the Northwest Arctic Borough to take digital pictures and send via satellite to physicians in Maniilaq for review.



TELEMEDICINE HISTORY

WHERE WE STARTED

- We had a “Need” for Radiology Services
- We had an “Opportunity” with USF
- We developed a “Partnership” with GCI

ConnectMD Medical Network

GCI'S COMMITMENT TO QUALITY HEALTHCARE THROUGHOUT ALASKA



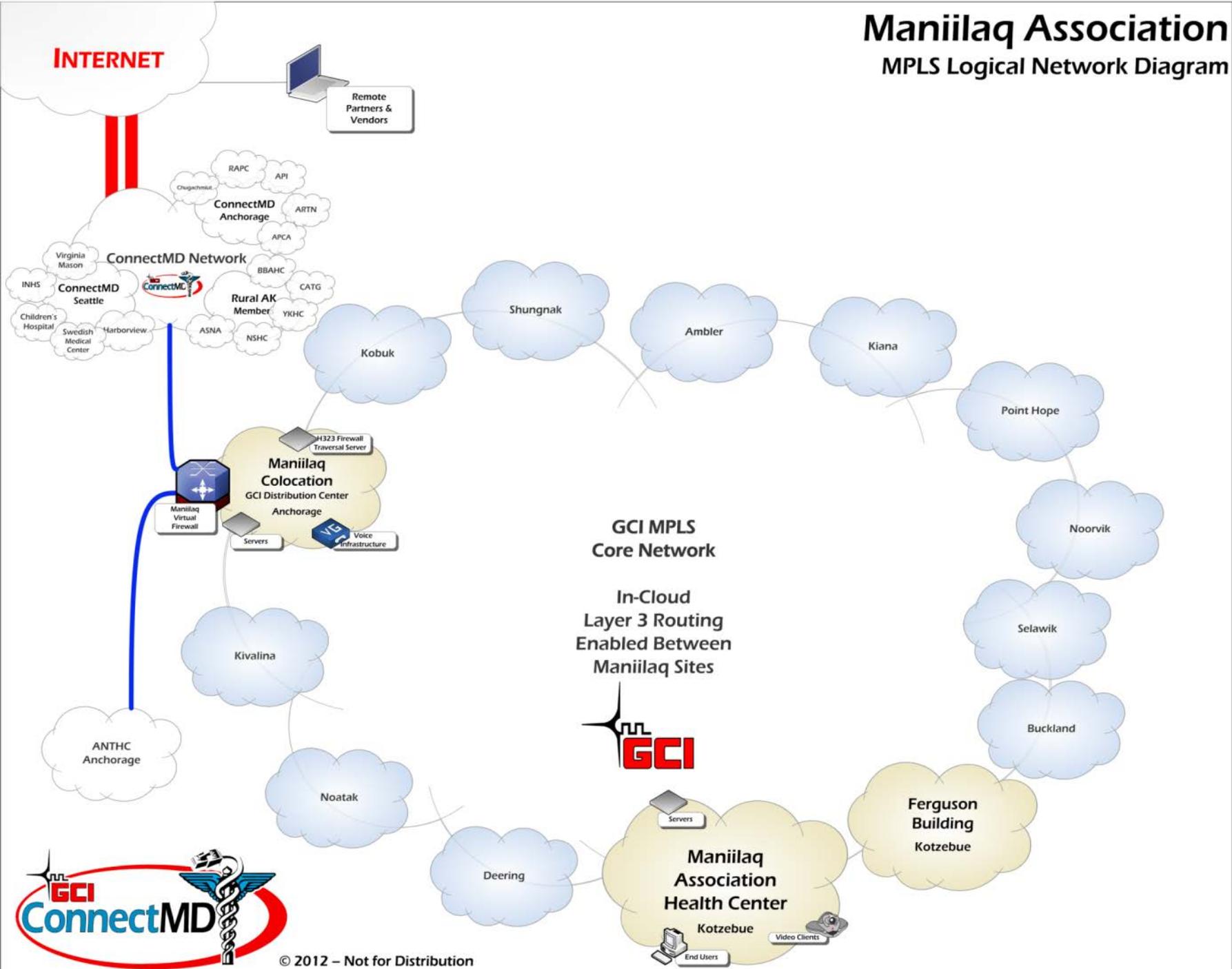
CONNECTMD MEDICAL NETWORK

- The ConnectMD medical network was created to move radiology films from Kotzebue to a radiologist in Seattle.
- GCI's engineers designed, built, the first generation of ConnectMD secure network services
- ConnectMD now enables secure, HIPAA compliant, exchange of medical data, including voice and video to hospitals, clinics, and healthcare organizations throughout Alaska.

CONNECTMD MEDICAL NETWORK

- Secure data, internet, voice, and video transmission
- Bridging services for video teleconferencing
- Flex routing of circuits from Maniilaq's villages directly to the Internet

Maniilaq Association MPLS Logical Network Diagram

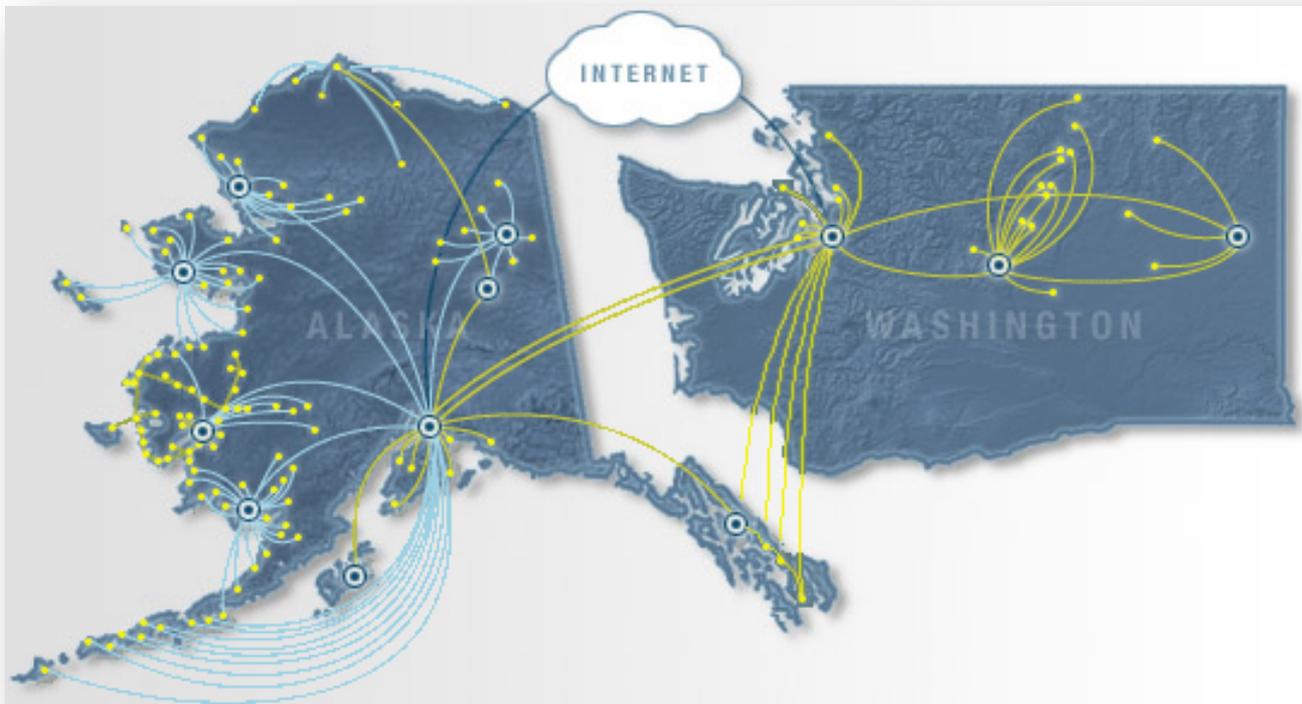


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ConnectMD Medical Network

- A platform for telemedicine in Alaska
- A collaborative environment of over 200 clinics, hospitals, and medical organizations throughout Alaska and the Pacific Northwest



What are Maniilaq Telemedicine Health Care Goals?

1. To meet Critical Health Care needs and to continue to improve Health Care in Region
2. Improve and Streamline Health Care initiatives
3. Utilize new technologies to upgrade regional healthcare infrastructure



MHC Goals

How does Telemedicine fits in with MHC Goals?



MHC Goals

Telemedicine is helping MHC and village clinics meet the critical Health Care needs of the Maniilaq service area by:

- **Improving Quality of Care**
- **Improving Efficiency**
- **Maximizing Work Production**

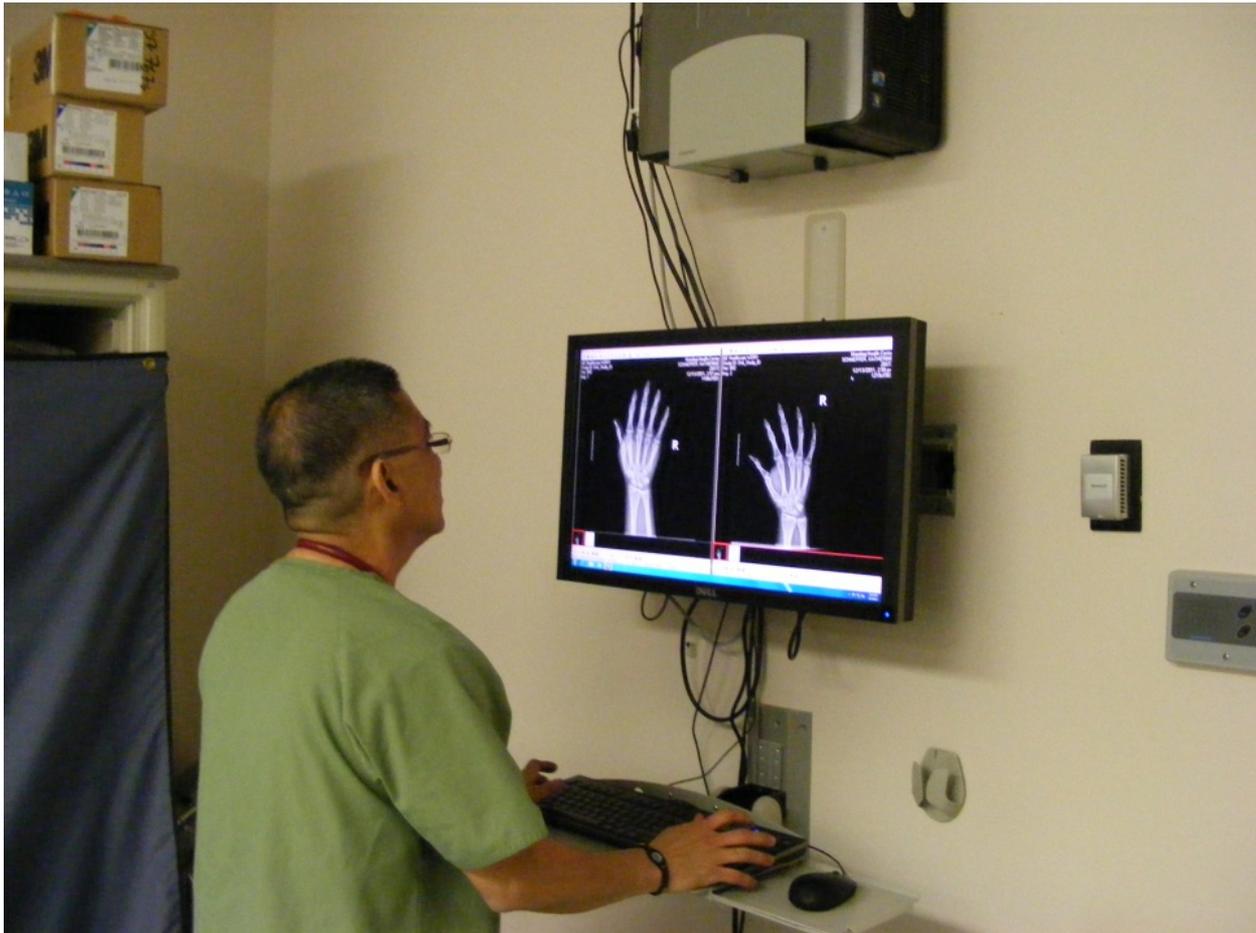


Maniilaq Association Telemedicine Team

- ❖ Clinical Health Practitioners
- ❖ MHC Administration
- ❖ MHC IT Department
- ❖ MHC Medical Staff



Telemedicine at Work



Telemedicine is improving MHC Health Care Initiatives by:

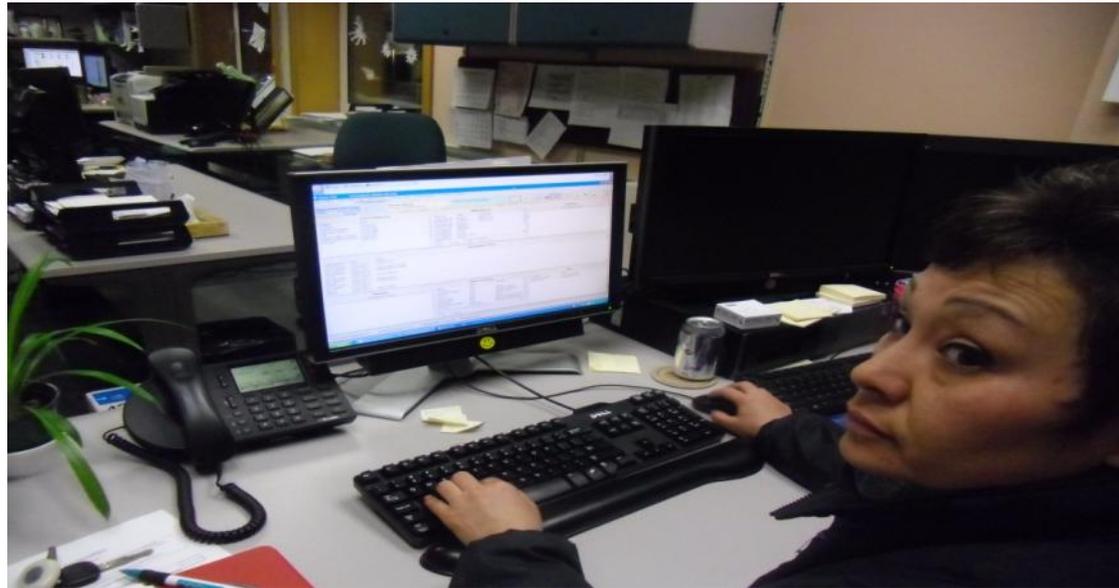
- ✓ Providing Unified “Electronic Health Records” region wide
- ✓ High Definition Camera’s in each village clinic (Trauma Room & Behavioral Health)
- ✓ High capacity, high speed communications network
- ✓ Tele-Pharmacy
- ✓ Tele-Dental
- ✓ Tele-Radiology
- ✓ CT Scanner in HUB Site (Kotzebue)
- ✓ Full utilization of AFHCAN Carts



“Electronic Health Records”

Meaningful Use Initiative :

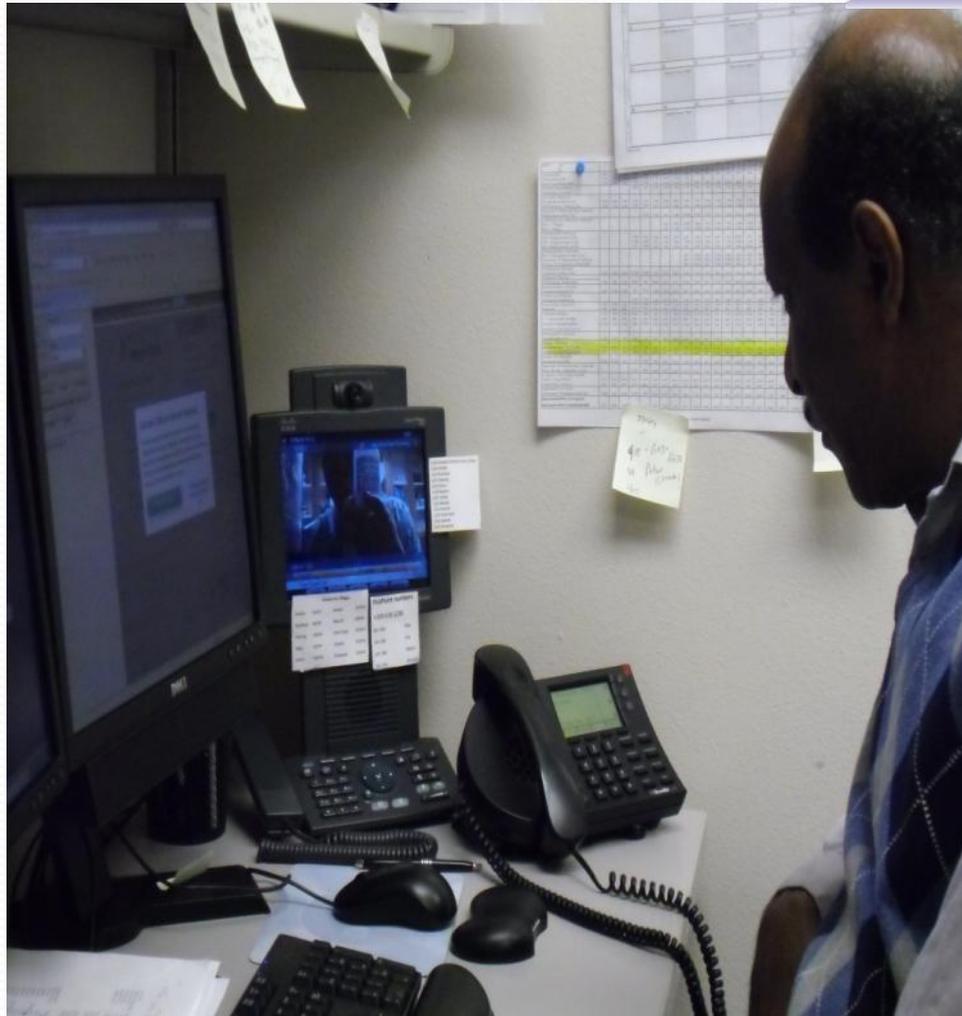
We currently are running Inpatient orders at 94% utilization and out-patient at 62%



High Definition Camera's in each village (Trauma Room & Behavioral Health)



Tele-Pharmacy



MHC CT Scanner



Tele-Radiology



JOC WorkStation BETA Rev:523

Patients Panel Tools View Options Help

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33725 M 42546
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SN300
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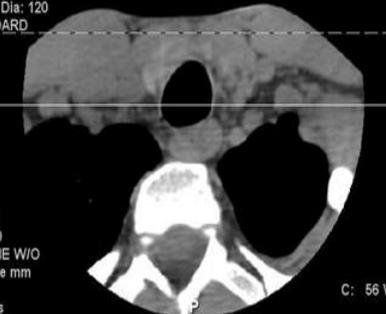


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mA 60
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C: 50 W: 500

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Recon Dia: 120
STANDARD



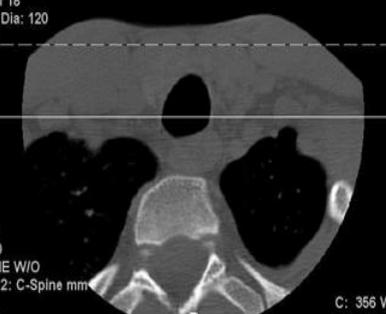
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mA 240
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C: 56 W: 450

LightSpeed16 A Metropolis Community Hospital
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BONE



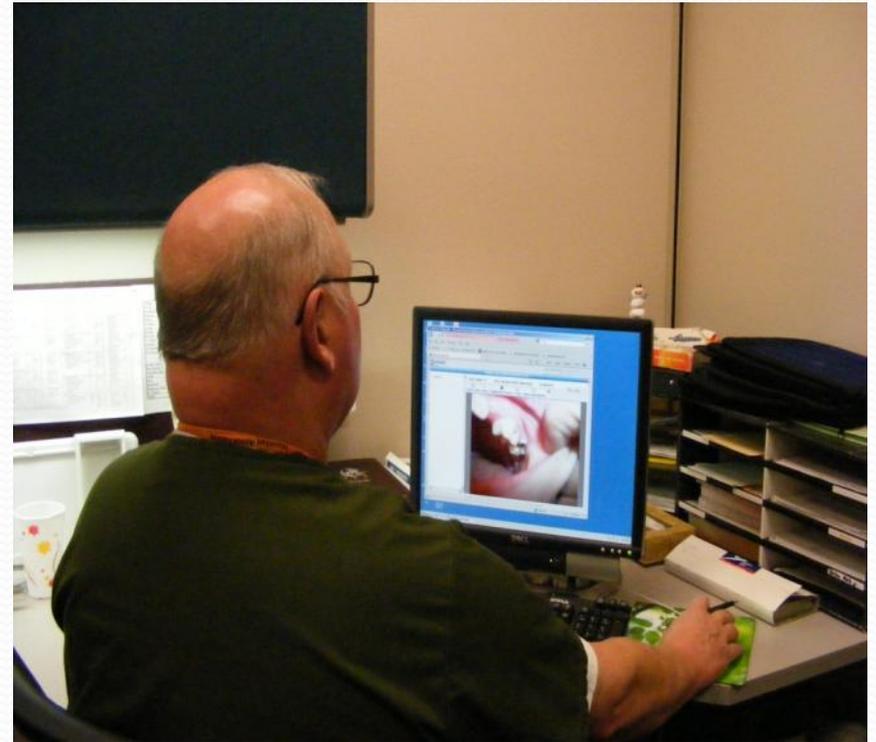
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Recon 2: C-Spine mm
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Tele-Dental



What is the future of Telemedicine?



Thank you for your time.

Questions?

