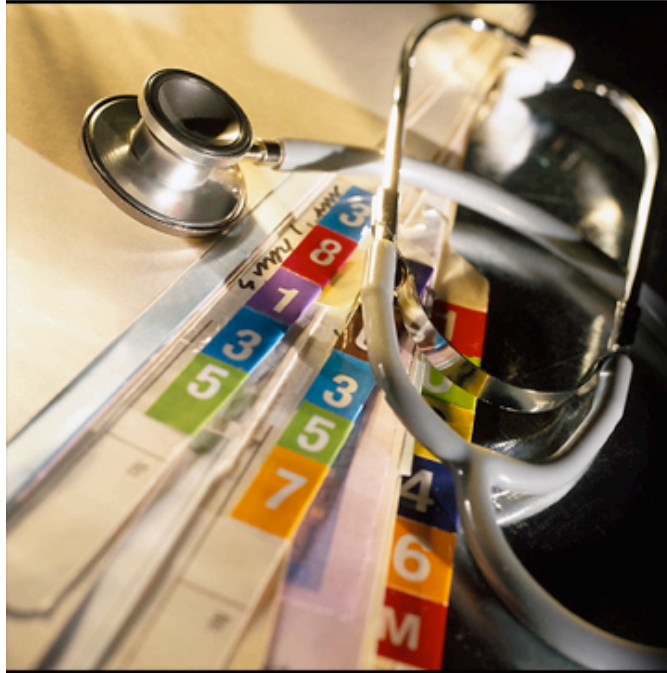




TelePresence Demonstration

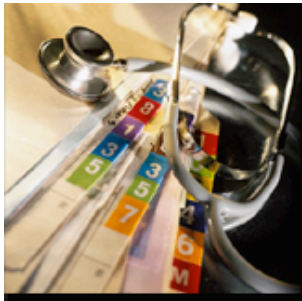
**Technology Convergence to Serve
America's Veterans**



Spring 2009 Internet2 Member Meeting



April 27-29, 2009



VA Challenges

- **40% of Veteran Health Administration (VHA) 5.5 million patients live in rural or highly rural areas (2007)**
- **The VHA conducts more than 400,000 consultations annually via telemedicine (2007)**
- **Need to view a consolidated Electronic Health Record (EHR)**
- **Specialized care not local to the Veteran**





Today's Demonstrations

- The demonstration is an example of the VA's continuing efforts to utilize today's technology for the extension of medical care and expertise to the remote patient
- It will portray a role-playing illustration of a remote psychiatric consultation of a veteran diagnosed with Post-Traumatic Stress Disorder (PTSD)
 - The Psychiatrist is **Dr. Joseph Erdos**
 - A practicing Psychiatrist and CIO for the VA Connecticut Healthcare System
 - One of VHA's pioneers in telemedicine
 - Role-playing the patient is **Mr. Michael Raffanello**
 - ISO for the VA Connecticut Healthcare System and a retired Navy Master Chief

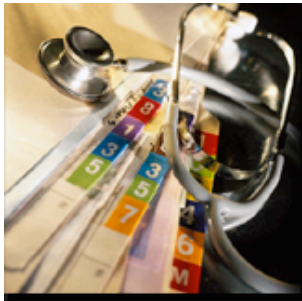




Benefit to the Veteran

- **A Complete Electronic Health Record (EHR)**
 - Assures immediate access to the total record for the remote physician or consulting specialist
 - Protection of patient privacy and information integrity
- **Extending the Point of Specialist Care to the patient's locality**
 - Speeds the diagnosis and provision of care
 - Reduces patient suffering with earlier treatment
 - Reduces costs for patient, doctor and consulting specialist
(out of pocket for travel/time/misssed work and service delivery costs)
- **Improved Access to Critical and Specialized Services**
- **Improvements in the Care Experience**
 - Enhanced communications
 - Quicker care and follow-up
 - Faster resolutions of issues

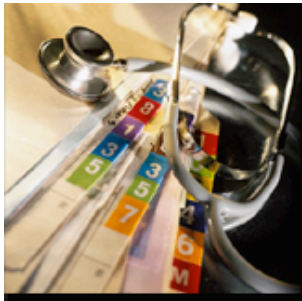




The Technology

- **High Definition TelePresence**
 - The Cisco TelePresence System 1000
 - 1080p Native Resolution
 - The Remote Location is the Cisco TelePresence facility at Harvard University in Boston, Massachusetts
- **Broadband Telecommunications to Support TelePresence**
 - An Internet2 GigE Circuit Connecting the Harvard facility and the local, on-stage system
- **Consolidated Medical Records retrieved from a Health Information Exchange (HIE)**
 - The NHIN Connect Wounded Warrior Medical Records retrieved from the Department of Defense (DoD) and VA to the on-stage workstation for display





Q&A

