



Sept. 15th, 2009

***FCC National Broadband
Workshop - Healthcare***

***Raju Prasannappa
Chief Technologist
Harris Healthcare Solutions***

***Trusted at the intersection of
life and data.™*** 

A Chance to Make a Difference



**Government
Communications
Systems**



**Defense
Communications &
Electronics**



**Broadcast
Communications**



**IT and Managed
Services**

- \$5.4 billion in sales
- 16,000 employees
- \$1B in IR&D
- Serving in over 150 countries

Healthcare Solutions

Imaging • Infrastructure • Informatics • Intelligence

Trusted at the intersection of life and data.™

Making a Difference



CONNECT:
Federal Health Architecture
Military Health System
Global Artifacts and Images
Health First:
Multi-Hospital Network • IT



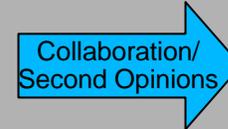
Local → National → Global
Enterprise Health Integration

Enterprise Imaging – Anytime. Anywhere. On a Global Scale



Right data, to the right person, on the right device at the point of care

Technology Enables Virtual Pathology



Legacy Pathology

Tissue/Blood
↓
Grossing
↓
Slide Prep/Stain
↓
Slide Scan



Full Specimen
Slide Scanner



Online
Storage

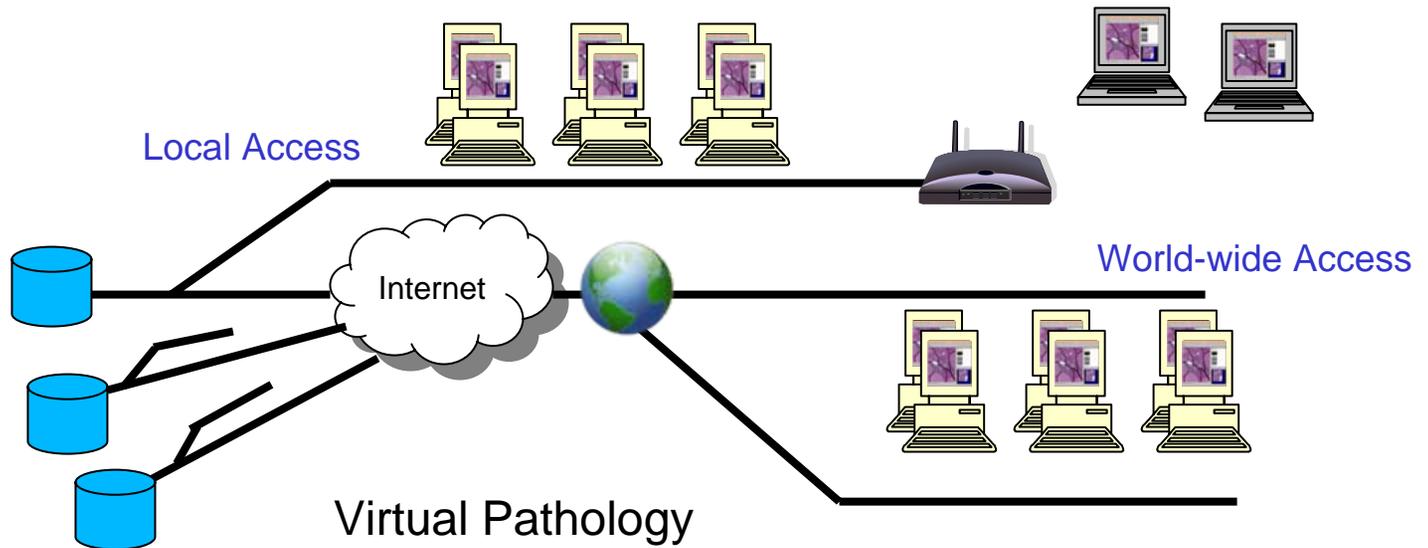
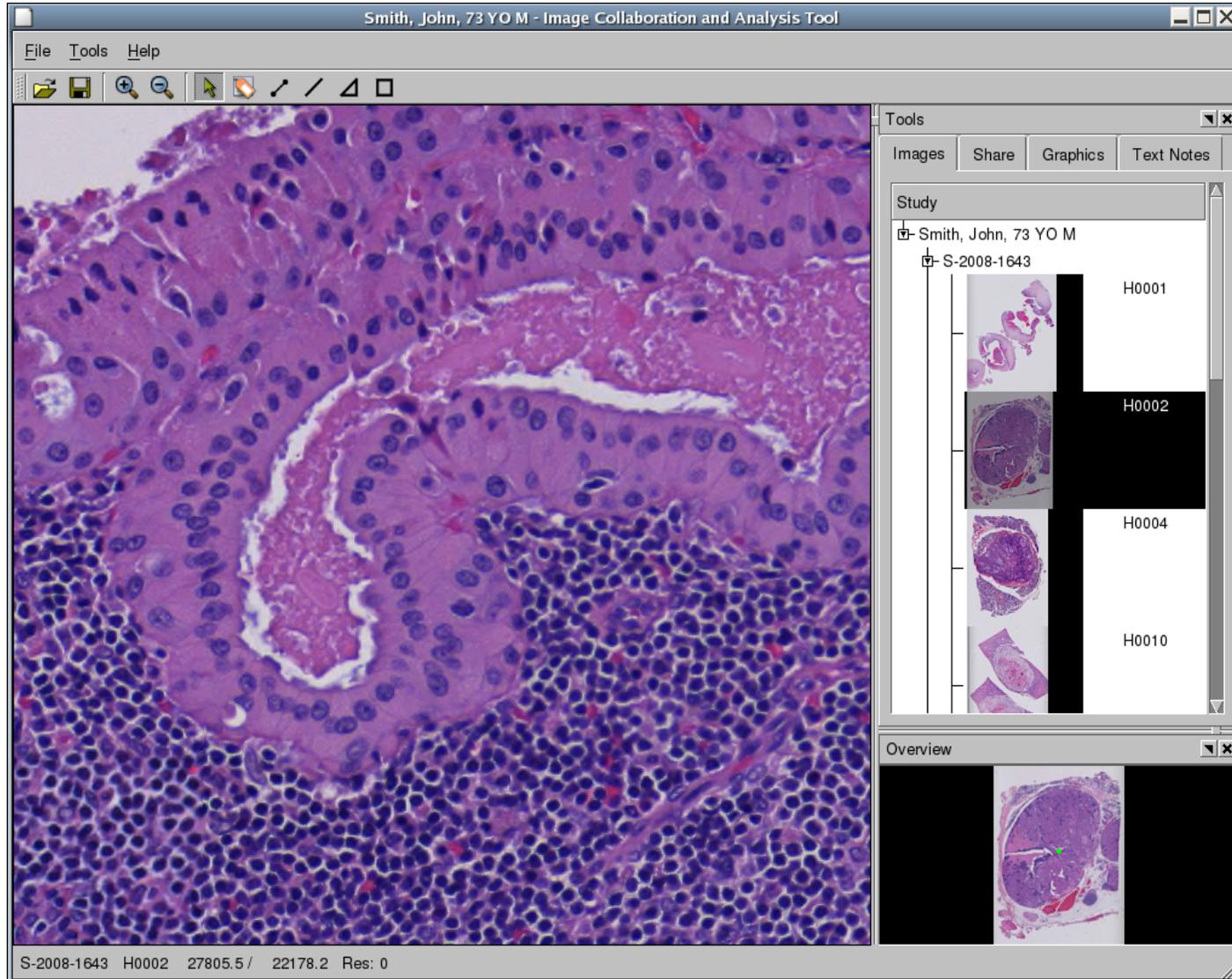


Image Collaboration and Analysis Tool (icat)



- Joint Advisory Committee on Communications Capabilities of Emergency Medical and Public Healthcare Facilities (*February 4, 2008*).
 - *“A lack of modern communications capabilities for emergency medical and public health personnel not only limits their ability to save lives and save money – but it limits communications with patients, their families and their other health experts. By harnessing the power of modern communications technology and infrastructure, the United States can enable modern medicine to be utilized more effectively outside of hospitals. Robust broadband networks can route emergency-related communications traffic rapidly, securely, and reliably, and ensure that patient information is available in remote locations.”*

The screenshot displays a multi-panel interface for OR collaboration. The top-left panel shows a histology image with a 'Study' sidebar containing patient information: 'Smith, John, 73 YO M' and '5-2008-1643'. The top-right panel, 'OR Camera 1', shows a surgical view. The bottom-right panel, 'Images', contains a 'Diagnostic Viewer' with an axial MRI scan. The bottom-left panel, 'Staff', lists the following roles and names:

Role	Name
OR Nursing	
Circ:	Tracy Smith
Scrub:	Terry Jones
Anesthesiology	
Atten:	Kathy Jackson
CRNA:	Lee Brown
Surgeon	
Primary:	Alex Wright
Assist:	Alice Roberts

The bottom-center panel features a circular clock with a digital display showing '17:47:06'. The bottom-middle panel, 'OR Camera 2', shows a view of the OR ceiling lights. The bottom-left corner shows a Windows taskbar with the user 'Smith, John, 73 YO M' and the time '12:43 PM'.

- The infrastructure needs of each player in the healthcare value chain is based on the types of services provided and used.
- Broadband for healthcare purposes must be examined from the perspective of both:
 - Healthcare providers - hospitals, clinics, laboratories, government entities, public safety, etc.
 - Consumers - sick and healthy
- Recommendations:
 - The National Broadband Plan must examine the different tiers of broadband requirements needed by various healthcare providers and consumers.
 - The Commission must continue to monitor healthcare broadband requirements and needs after the National Broadband Plan is submitted to Congress.

HARRIS

THANK YOU

**Trusted at the intersection of
life and data.™**

