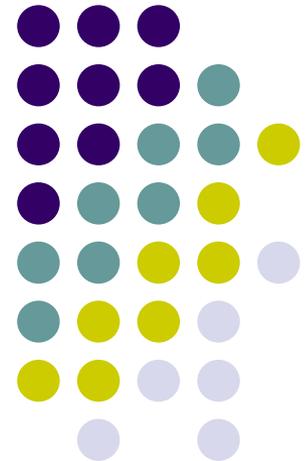
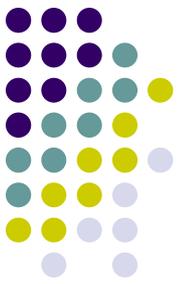


Telemedicine: Potential for TB Clinical Consultation in the Future

Jane Moore, RN, MHSA
Lauri Savage, MBA

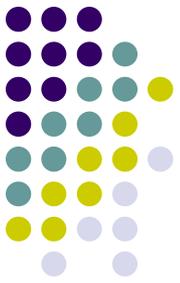




What is Telemedicine?

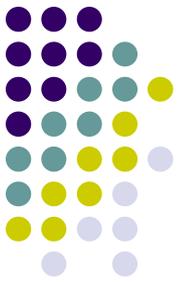
- “Use of telecommunications to provide medical information and services”
- Simple: two health professionals discuss case over the phone
- Sophisticated: satellite technology broadcasts a consultation between providers at facilities in 2 countries, using videoconferencing equipment or robotic technology
- Somewhere in between: where we are!

Types of Technology



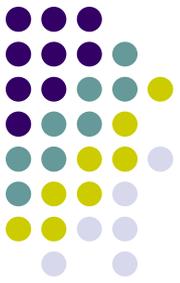
1. Store and forward: transfer of digital images such as teleradiology (sending x-rays, CT scans, MRIs) or telepathology (images of pathology slides)
2. Two-way interactive television (IATV): elaborate studio based system
3. New low-cost options now available with videoconferencing

Advantages of Telemedicine



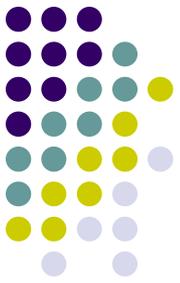
- Makes specialty care more accessible
- Video consultations saves travel and cost for patients
- Also possibilities for continuing education or training

Telemedicine or Telehealth?

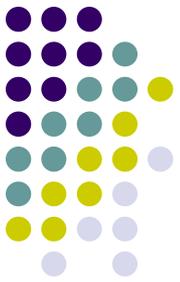


- Telehealth: originally used to describe administrative or educational functions related to telemedicine
- Telemedicine: direct provision of clinical care via telecommunications—diagnosing, treating or following up with a patient at a distance

Telemedicine for TB - 1



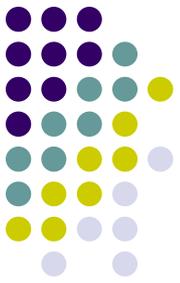
- Enables medical specialists to connect with public health staff, patients
- People who are infectious don't have to go to a clinic
- Test results, x-rays, documentation can be shared and discussed with all parties to make decisions about care



Telemedicine for TB - 2

- All you need is computer, web cam, Windows-based Live meeting software, internet access
- VDH sets up webinar in Live Meeting and creates presenter and attendee log-in information
- Load consultation files, ensuring patient privacy guidelines
- Support from our partner, SNTC

Future of Telemedicine

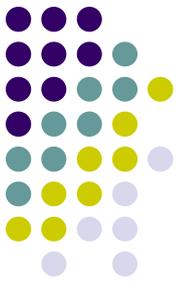


- May become as commonplace as talking with family/friends on the phone
- 15 or 20 years ago . . . Did we imagine how much influence faxes, e-mails, mobile phones would have?
- Potential of telemedicine and telehealth are unlimited!



Plans in Virginia

- We are almost ready to go live!
- Web cams are purchased and ready for distribution
- Wireless aircard available if needed
- Finalizing procedures
 - Inner workings HIPPA compliant
 - Key is to ensure patient confidentiality at the end points – control the environment
- New administrative person to assist with scheduling and loading client records and files
- Film digitizer ordered



Live Demonstration