



Effective Communication Etiquette Using Telehealth Technologies

Janet Major, BS

Associate Director for Innovation and Digital Health

How to put the TELE into Telehealth for Educational & Clinical Applications







Technology Telecommunications Telehealth/Telemedicine

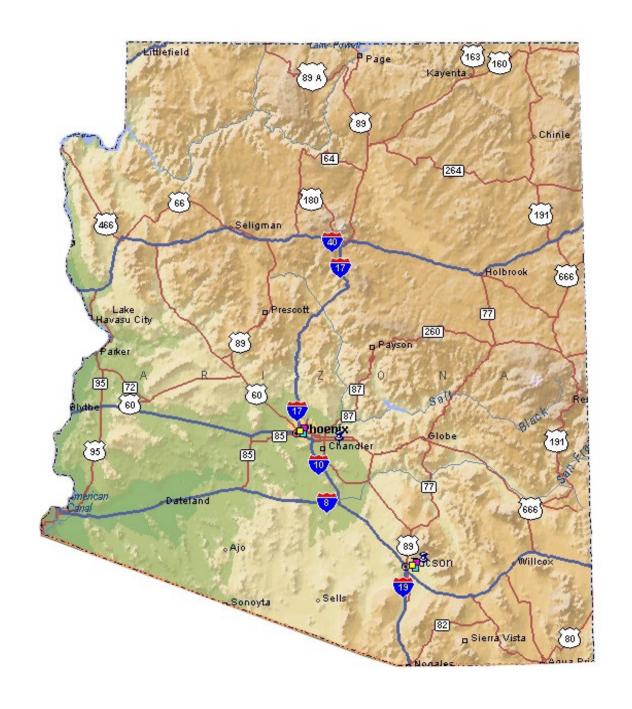


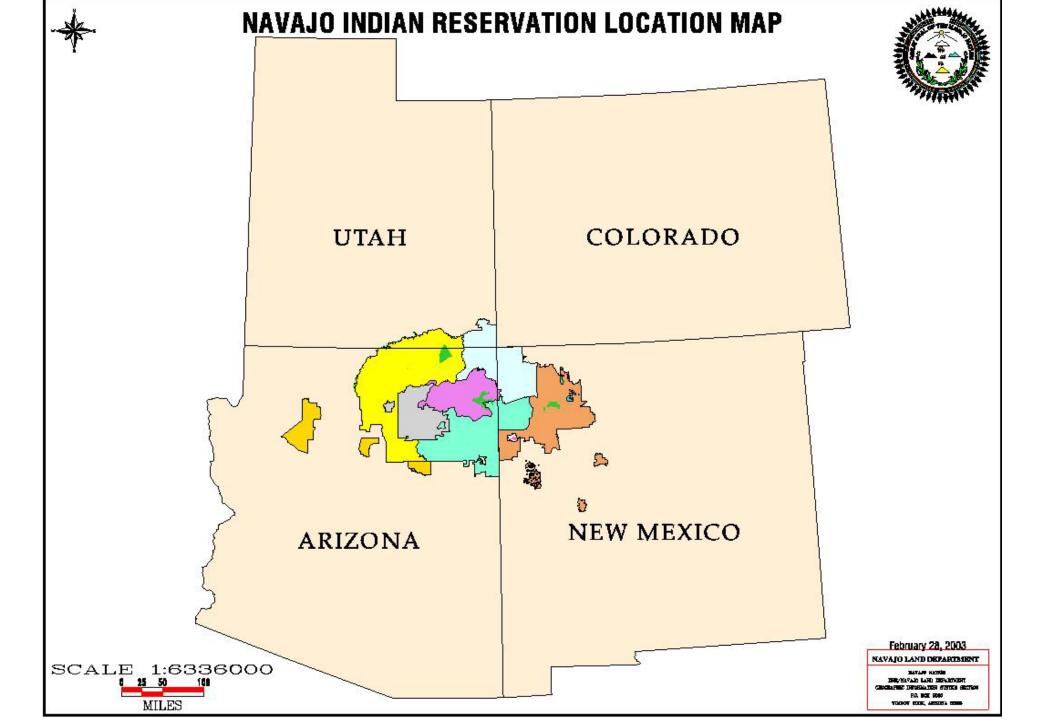


Technology Telecommunications Access to Healthcare









https://southwesttrc.org/ = SWTRC

Resources

Arizona

Colorado

Nevada

New Mexico

Utah



- Telemedicine & Telehealth Service Provider Directory
- Business & Finance
- Form Templates
- Policy & Sustainability
- Standards & Guidelines
- Telemedicine Information
- Tools & Tips
- General

National Consortium of Telehealth Resource Centers (NCTRC) - Find your TRC





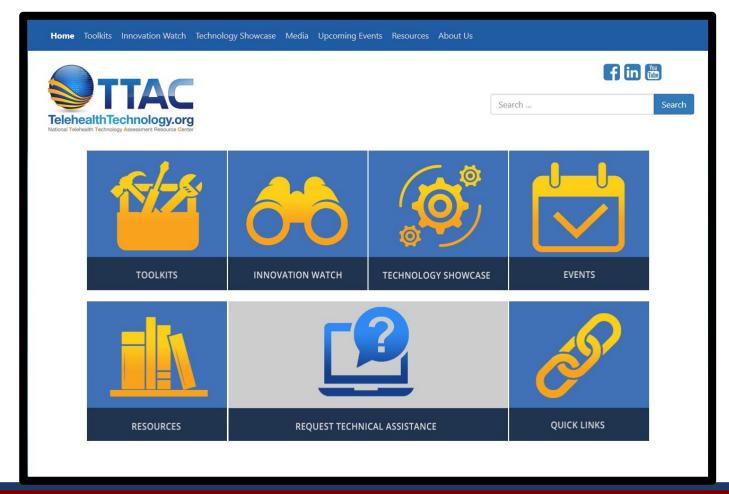
www.telehealthresourcecenter.org







TTAC National Telehealth Technology Assessment Center telehealthtechnology.org







Technology for Telehealth

- Resources/where to shop
- How to shop
- Network and interview who has been doing what with what!
- Pricing
- Ease of use/training protocols/end user
- Network support
- Contractual agreements/licenses/maintenance fees
- Efficiency?





https://telemedicine.arizona.edu/webinars/previous









Telehealth Technology Resources

Arizona Telemedicine Program

Telemedicine & Telehealth Service Directory

Southwest Telehealth Resource Center

National Telehealth Resource Centers

ATA American Telemedicine Association

USDLA United States Distance Learning Association

University of New Mexico Center for Telehealth

Project ECHO

ATP Project ECHO

UNR Project ECHO

TTAC Telehealth Technology Assessment

Resource Center

www.telemedicine.arizona.edu

http://telemedicine.arizona.edu/servicedirectory

www.southwesttrc.org

www.telehealthresourcecenter.org

www.americantelemed.org

www.usdla.org

http://hsc.unm.edu/community/telehealth/

http://echo.unm.edu/

http://telemedicine.arizona.edu/echo/

https://med.unr.edu/echo

www.telehealthtechnology.org





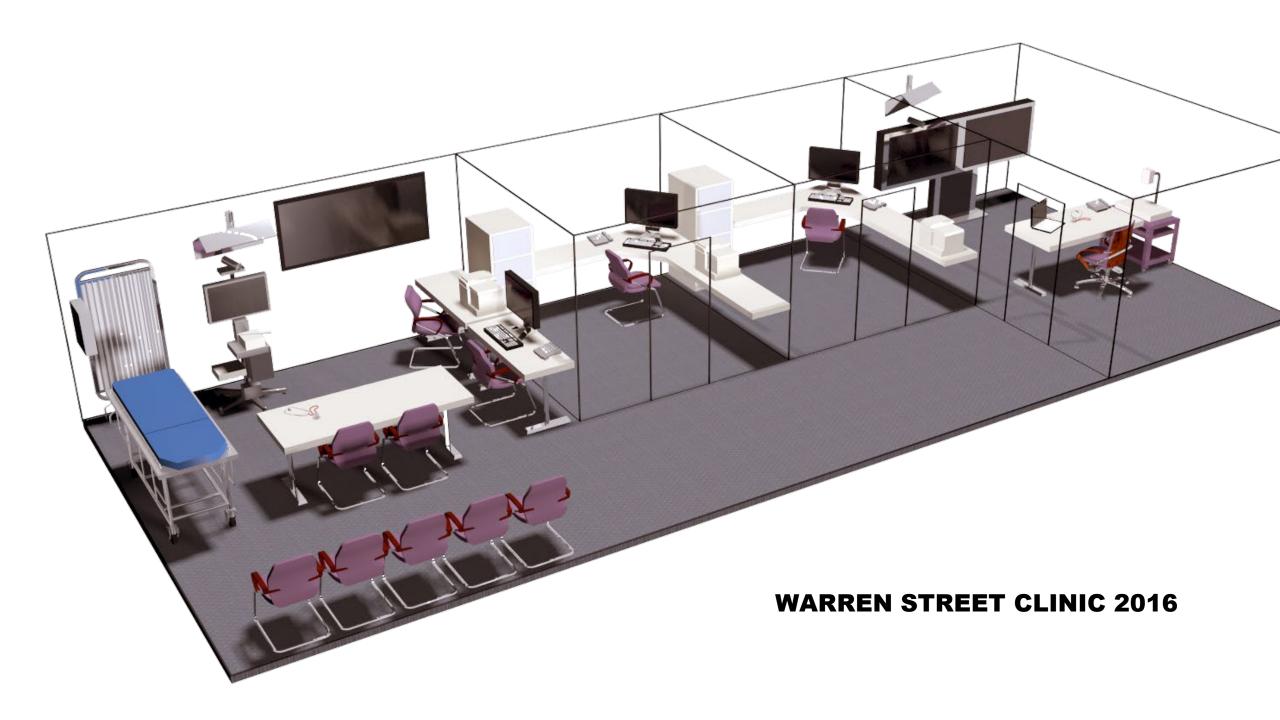




Telemedicine = REALITY

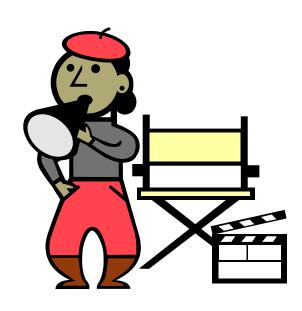






Communication Technology

- Lights, Camera ACTION!
- BACKGROUND
- Two way videoconferencing
- Web cams using secure sites over the internet
- Other devices or programs which connect to your laptop or desktop @home or bedside







Telemedicine

- Information needs to be medically accurate
- Teaches participants to practice being good listeners as only 1 person can speak at a time
- Patient benefits from the undivided attention of a physician
- Economizes the use of time for all participants





Elements of Production

- Sound
 microphones
 electronic stethoscope
- Lighting color temperature angle
- Space and geography of the room





- Same Elements of production whether you are in a state-of-the-art videoconferencing suite, using a videophone or a webcam @ your desktop!
- Background
- Lighting
- Audio
- Camera skills be sure you are looking GOOD!









telemedicine = medicine at a distance





Telehealth

Telehealth is sometimes discussed interchangeably with telemedicine. The Health Resources and Services Administration distinguishes telehealth from telemedicine in its scope. According to them, telemedicine only describes remote clinical services; such as diagnosis and monitoring, while telehealth includes preventative, promotive and curative care delivery. This includes the above-mentioned nonclinical applications like administration and provider education which make telehealth the preferred modern terminology.

Robots for Education











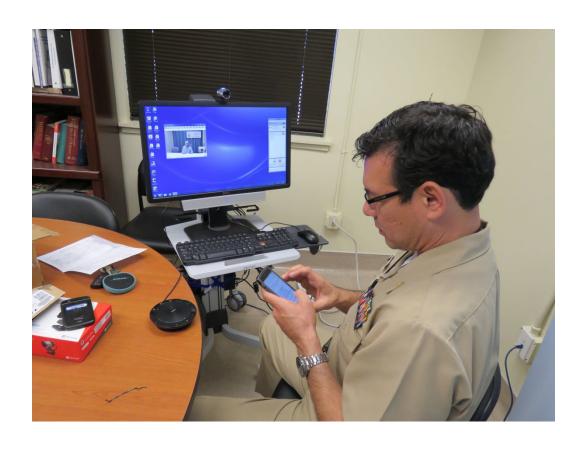






Sells IHS, AZ



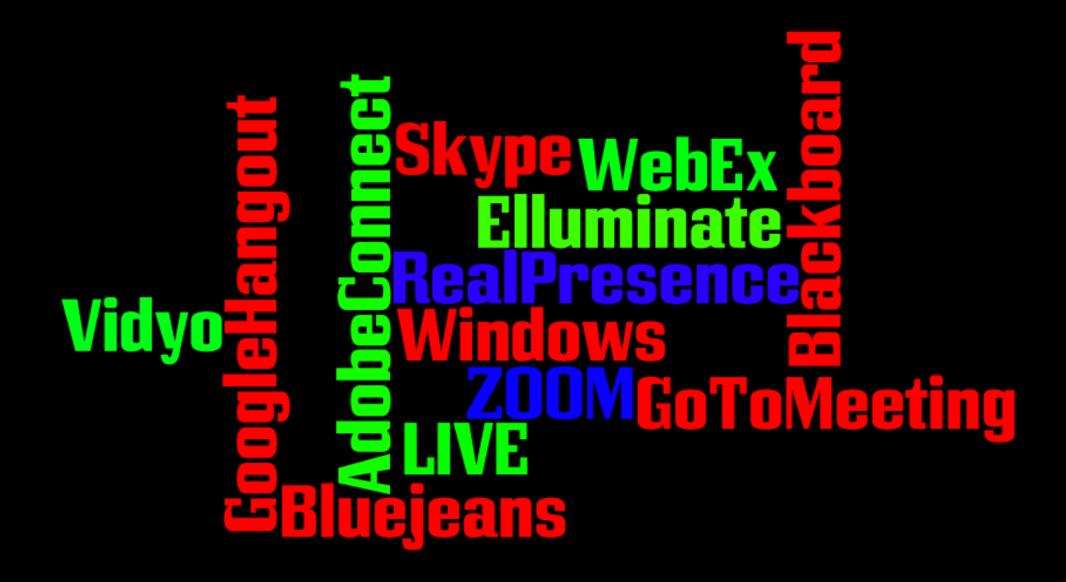




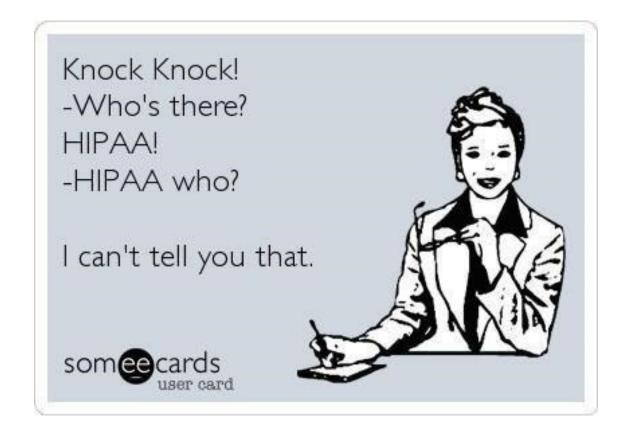








HIPAA Health Insurance Portability And Accountability Act of 1996







To be a good telepresenter you must be a good communicator.

- verbally
- non-verbally





SELFIES!

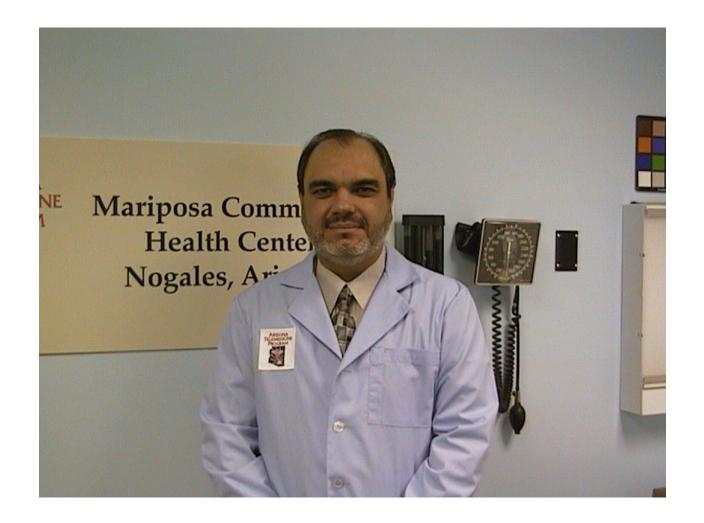






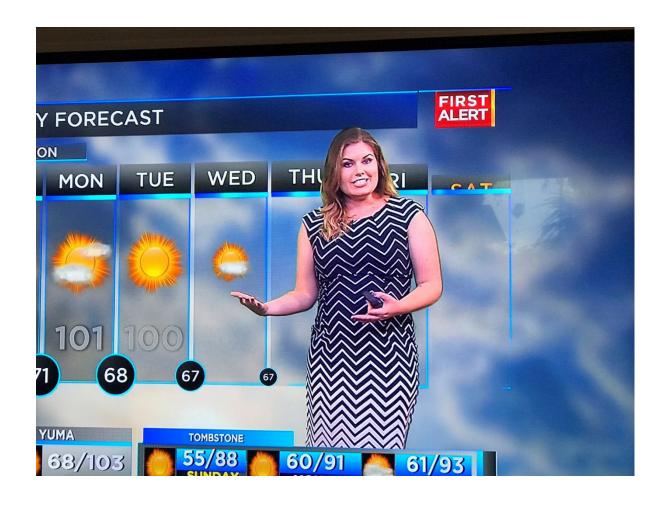


















DOG SOUNDS



Background for Video Background Audio - Dogs Barking, Children, SO's





MY WIFE ASKED ME WHY I SPOKE SO SOFTLY IN THE HOUSE. I SAID I WAS AFRAID MARK ZUCKERBERG WAS LISTENING! SHE LAUGHED. I LAUGHED. ALEXA LAUGHED. SIRI LAUGHED.





Teleconferencing Tips

- wear appropriate clothing and jewelry
- be aware of your body language
- use an agenda and facilitate introductions
- develop protocols for questions
- be familiar with the equipment
- test all equipment and network connectivity in advance
- connect with remote sites at least 15 minutes early





Telehealth Best Practices



Telehealth Best Practices

Video developed by the Hawaii Department of Health Genomics Section and available on the Pacific Basin TRC Website www.pbtrc.org





Best Practices

- Technical Protocols
- Clinical Protocols
- Mock Patients
- Training





Technology



- Makes the world a smaller place
- Keeps people in their communities







https://echo.unm.edu/ ECHO=Extension for Community Healthcare Outcomes

Project ECHO: A Revolution in Medical Education and Care Delivery

Project ECHO is a lifelong learning and guided practice model that revolutionizes medical education and exponentially increases workforce capacity to provide best-practice specialty care and reduce health disparities. The heart of the ECHO model™ is its hub-and-spoke knowledge-sharing networks, led by expert teams who use multi-point videoconferencing to conduct virtual clinics with community providers. In this way, primary care doctors, nurses, and other clinicians learn to provide excellent specialty care to patients in their own communities.











People need access to specialty care for their complex health conditions.

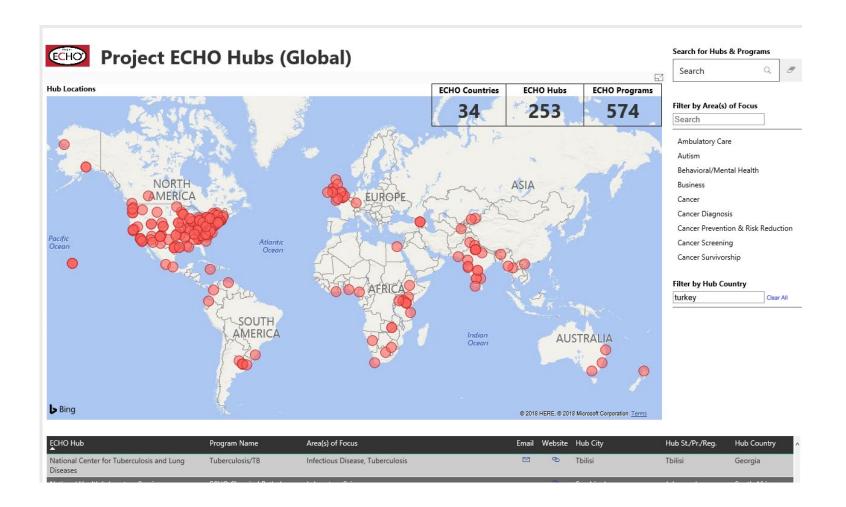
There aren't enough specialists to treat everyone who needs care, especially in rural and underserved communities.

ECHO trains primary care clinicians to provide specialty care services. This means more people can get the care they need.

Patients get the right care, in the right place, at the right time. This improves outcomes and reduces costs.











Telerheumatology ECHO







NeoECHO







Clinical Case Presentation











The Telemedicine Referral Case Process

Phyllis Webster,
Program Coordinator, Sr.
Arizona Telemedicine Program

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Case Management

Go through the steps required to set up, carry out and complete a clinical telemedicine referral.











Telemedicine Case Coordinator

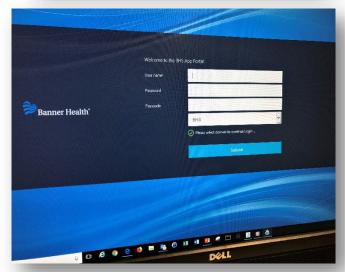


- Receives the case information and records the teleconsultation request
- Compiles and inspects demographic and clinical case information (administrative review)



Telemedicine Case Coordinator





- Registers the patient
- Begins referral case processing and documentation
- Notifies Medical Director of request



Ex: Poor diagnostic quality digital images for teledermatology referral case review (3)

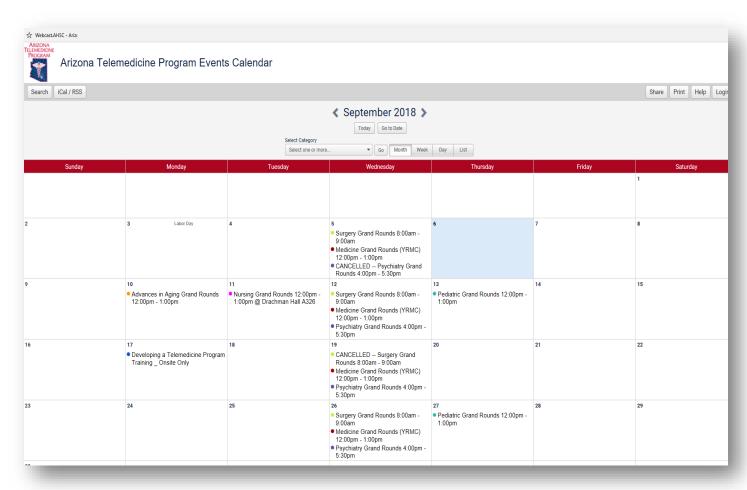








Using an online calendar to schedule network activities

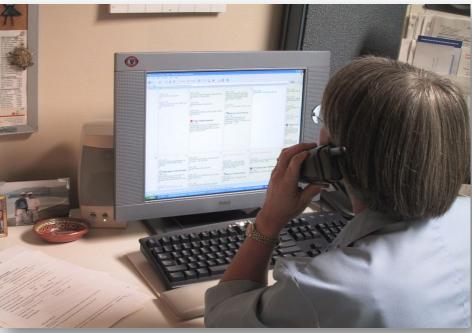






The Telemedicine Coordinator may provide administrative and technical support during the session and is always immediately accessible if any needs or problems arise









Cultural Diversity = having different cultures respect each other's differences.

- Age
- Language ACA in Spanish, VIDA in Spanish, consent forms in Navajo, sign language and translations/interpreters
- Geography and Economy sheep herders, copper miners
- Food what's the best flour for making tortillas?

You can use technology to maximize the work of physicians, nurses, Certified Diabetes Educators OR Genetic Counselors in your state!











https://azahec.uahs.arizona.edu/

AHEC Regional Centers



ARIZONA AREA HEALTH EDUCATION CENTERS SYSTEM



Arizona AHEC Program Office 1834 E. Mabel Street Tucson, AZ 85721-0425 (520) 626-0265 Fax: (520) 626-4037

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Executive Director: Jeri Byrne jbyrne@easternazahec.net



Central Arizona AHEC (CAAHEC) 700 E. Jefferson St. Ste 100 Phoenix, AZ 85034 (602) 253-0090

Center Director: Ana Roscetti anaroscetti@yahoo.com



Colorado Plateau Center for Health Professionals (CPCHP) c/o North Country HealthCare 2920 North Fourth Street Flagstaff, AZ 86004-1816 (Mailing) PO Box 3630, 86003 (928) 522-9855

Center Director: Marica Martinic mmartinic@nchcaz.org



Southern Arizona AHEC (SAAHEC) 450 W. Paseo Redondo Tucson, AZ 85701

Director: Dr. Felipe Perez felipep@elrio.org

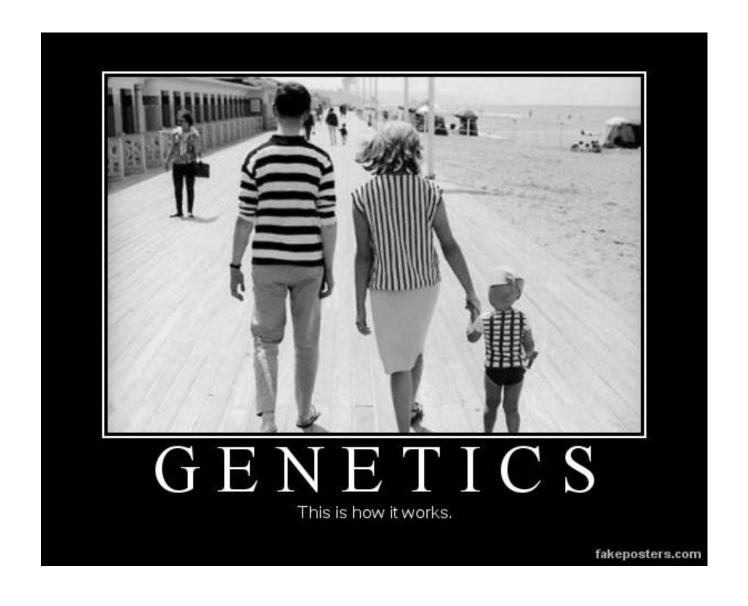


Western Arizona AHEC (WAHEC) Center Director: Joena Ezroj 950-A E. Main Street Somerton, AZ 85350 (Mailing) PO Box 617 Somerton, 85350 (928) 315-7600

jezroj@rcfbh.org



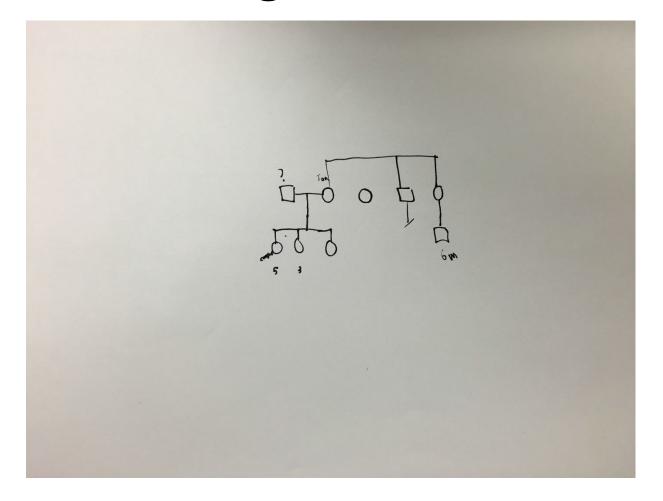




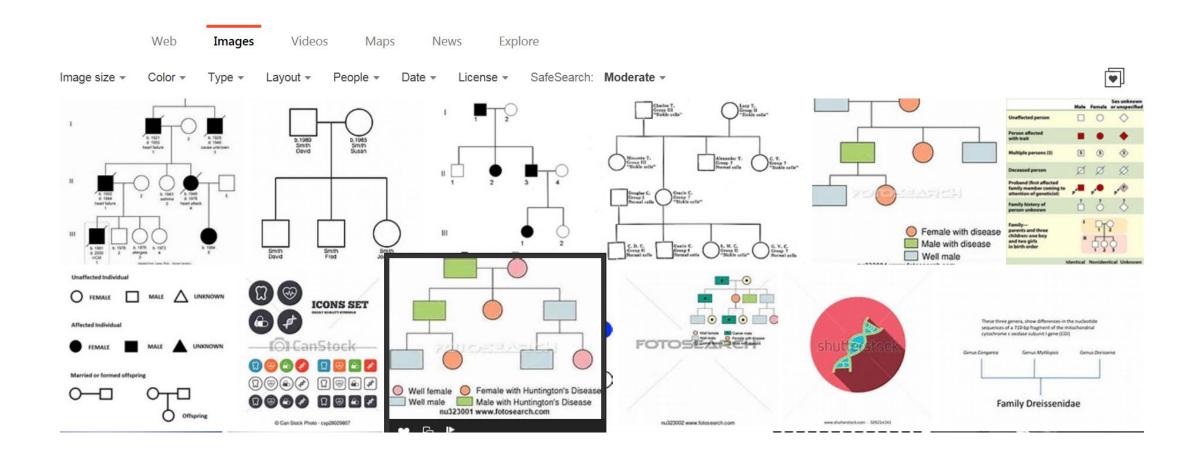




Telegenetics

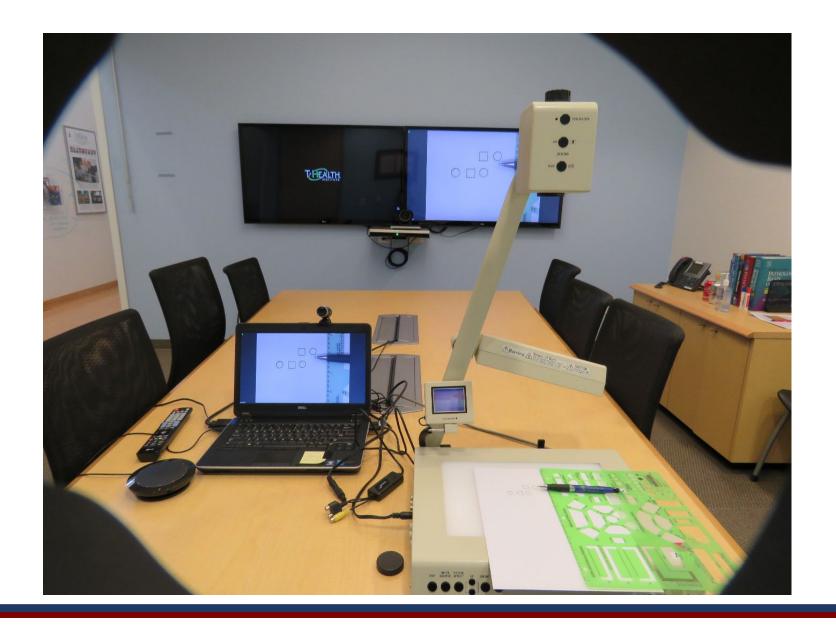






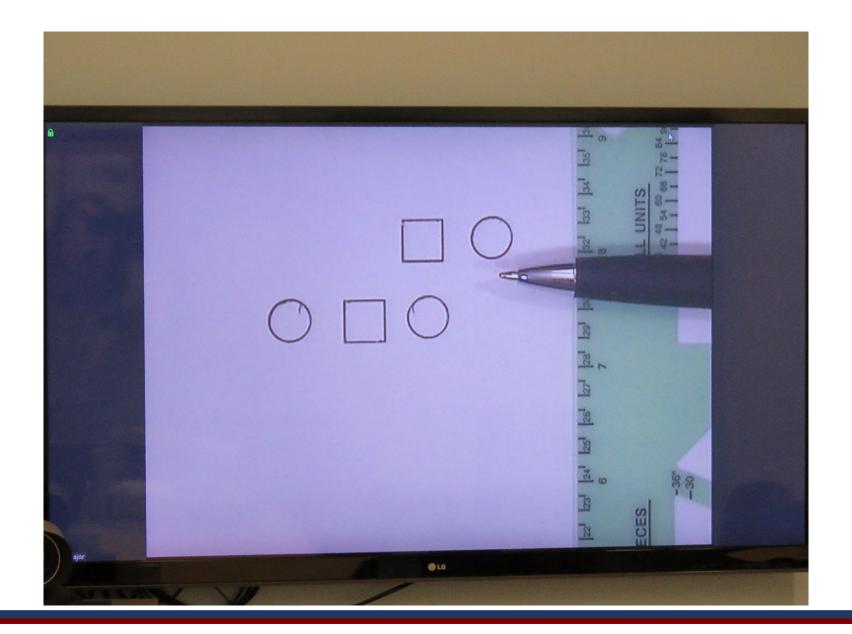
















Hands-on!







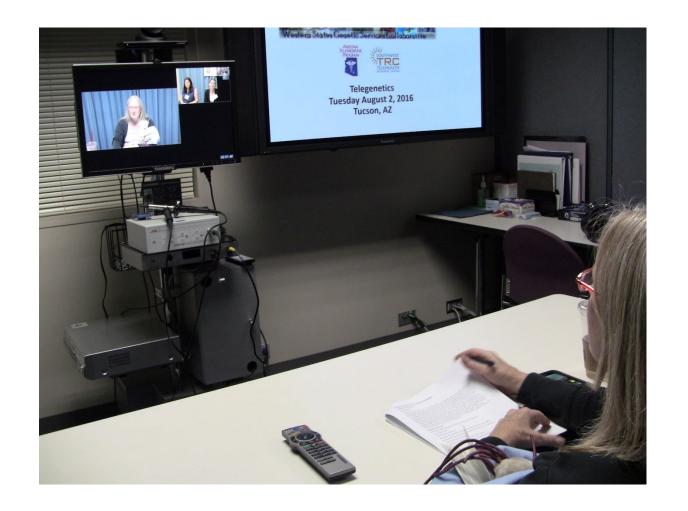
The Story of Eli Coli























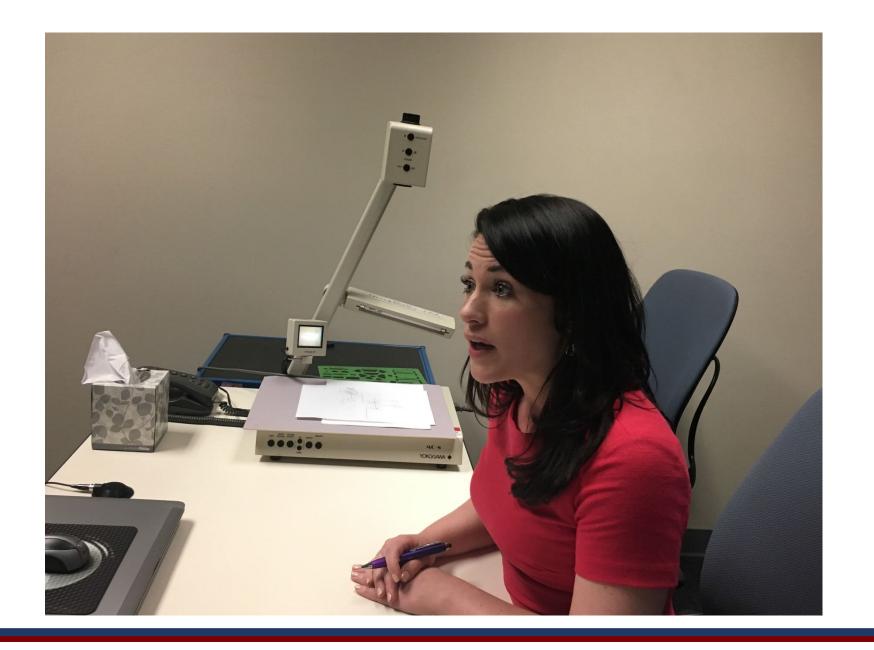
















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Educational Materials

- send in advance whenever possible
- suggest powerpoint from a computer
- use 24 point font or greater
- use fonts like Arial or Times New Roman
- use a medium blue background with white or yellow font (high contrast)
- use a document camera for 3-D objects
- don't use red font





Chinese Interpreter Demo









Interpreter





Video Interpretation Demo

https://aztelemedicine.zoom.us/recording/play/XIB8_ixW8XffKfWS3XsI7zG6kSdMo67oSYo1NZZMGoZgzHlBjUkak4HZYvuAx5IO?continueMode=true





Technology Demo

- How to ZOOM or best use the platform you are using
- Second Camera/Document Camera
- Drawing the family pedigree





The Future is NOW!

The Jetsons - more accurate than expected







Accessibility









danke takku Thank You mahalo kiitosdekuju obrigado mercikoszi dank



Thank You, Merci, Gracias y CIAO! jmajor@telemedicine.arizona.edu



