

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**



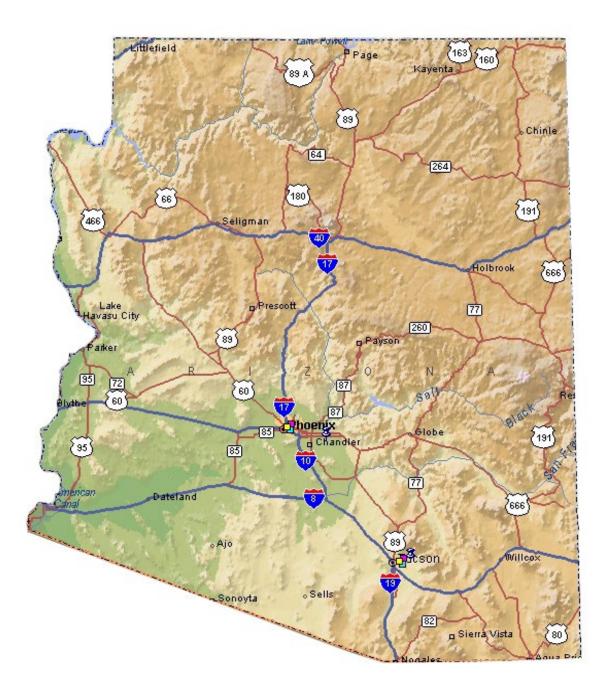


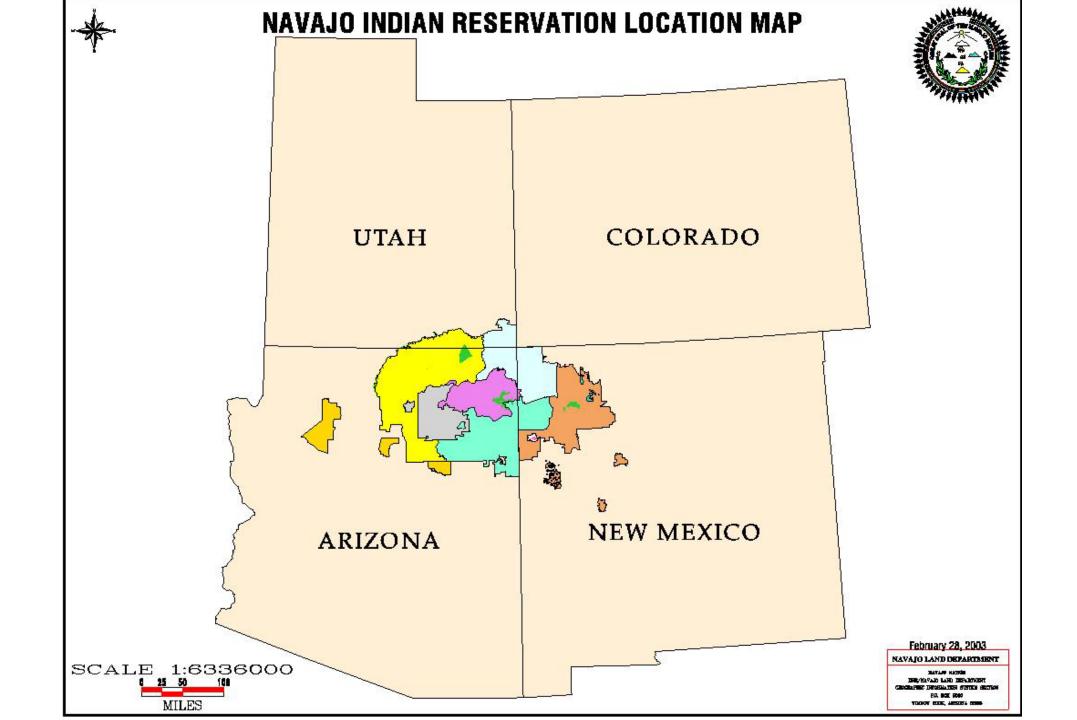


Technology **Telecommunications Access to Healthcare**









https://southwesttrc.org/ = SWTRC

Resources



- 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





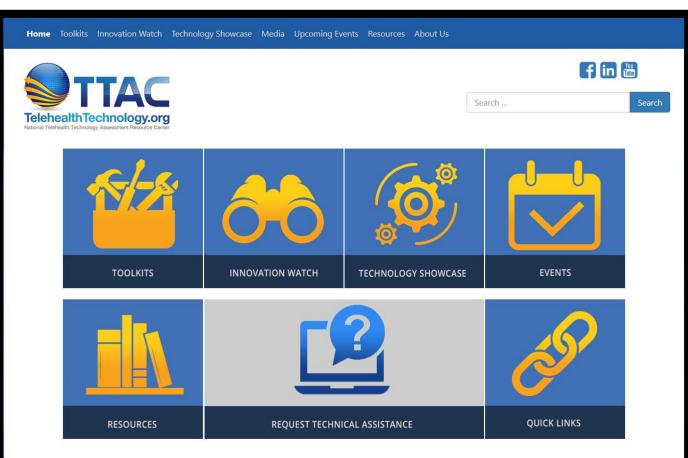
www.telehealthresourcecenter.org







TTAC National Telehealth Technology Assessment Center telehealthtechnology.org







Arizona

ROGRAM

EMEDICINE

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



ATA 2019 Exhibit Hall Technology Review







Telehealth Technology Resources

Arizona Telemedicine Program Telemedicine & Telehealth Service Directory h 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

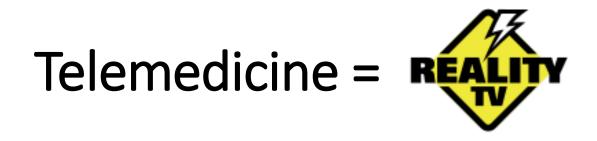
http://telemedicine.arizona.edu/servicedirectory www.southwesttrc.org www.telehealthresourcecenter.org www.americantelemed.org n www.usdla.org http://hsc.unm.edu/community/telehealth/ http://echo.unm.edu/ http://telemedicine.arizona.edu/echo/ https://med.unr.edu/echo www.telehealthtechnology.org





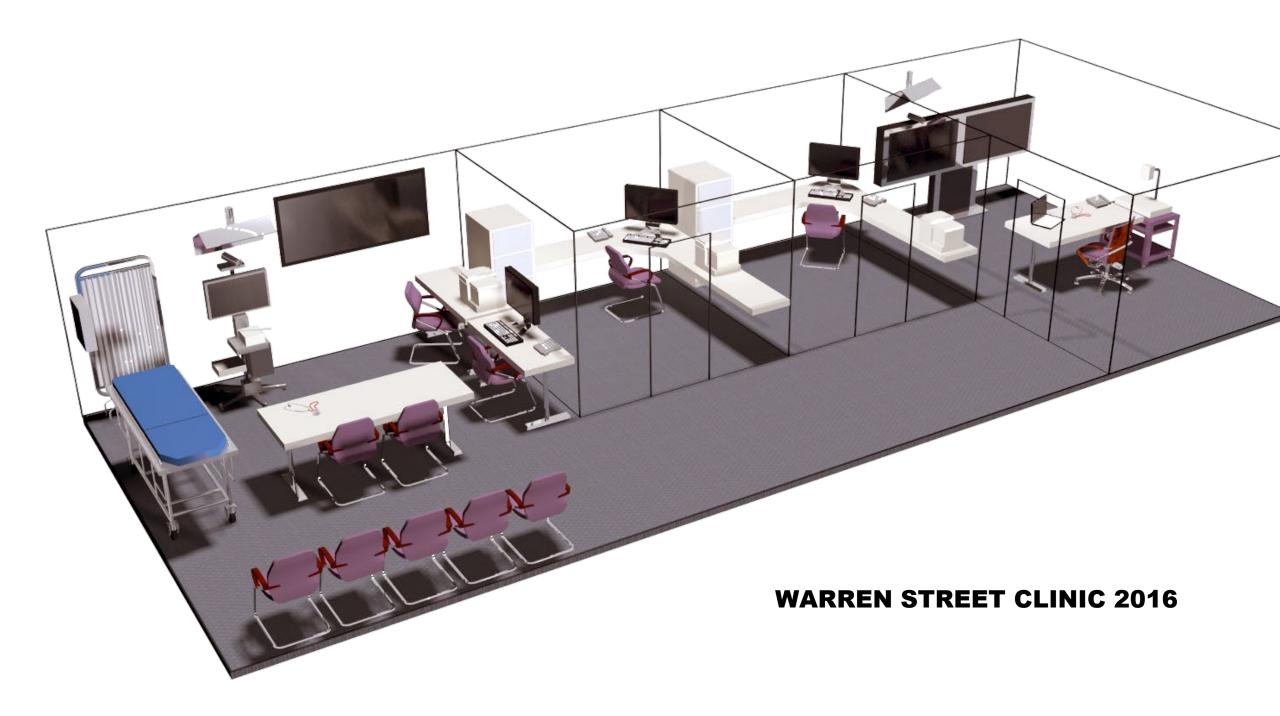


Telepresenting



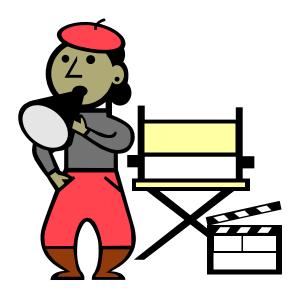






Communication Technology

- 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















Future Telehealth Will

- Transform & empower telehealth & digital technology will permeate all aspects healthcare clinical, administrative, financial including self care
- Advance & improve clinical decision support systems
- Facilitate remote patient monitoring & self care, provide ready access to your own electronic health records, improve wearable monitors & alerts
- Allow triaging, prioritizing (patients, rooms, devices etc.), diverting
- Require new workflows, operating procedures & training

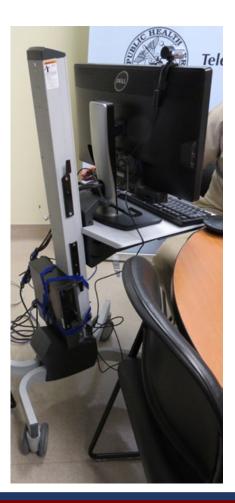




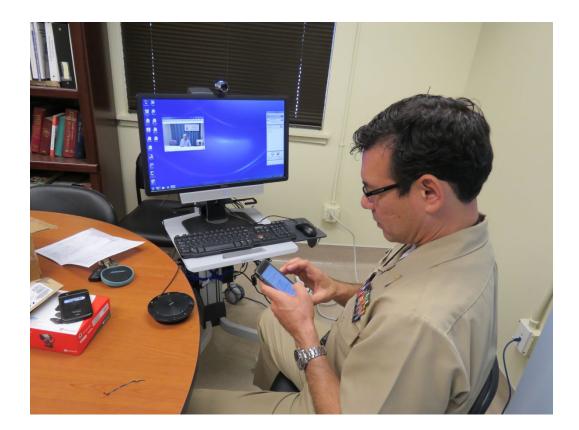


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Sells IHS, AZ



Arizona Telemedicine Program







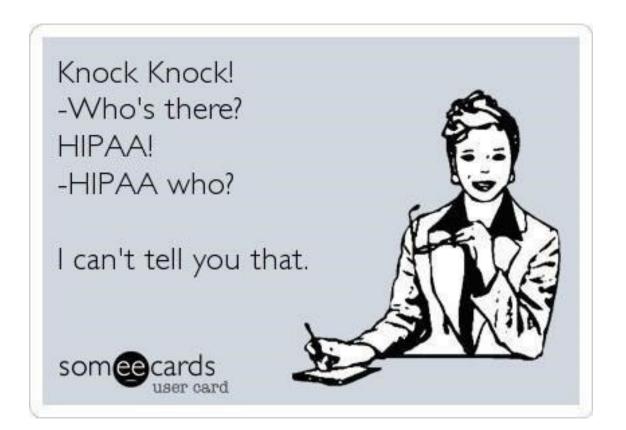






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HIPAA Health Insurance Portability And Accountability Act of 1996







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

verbally

non-verbally





SELFIES!









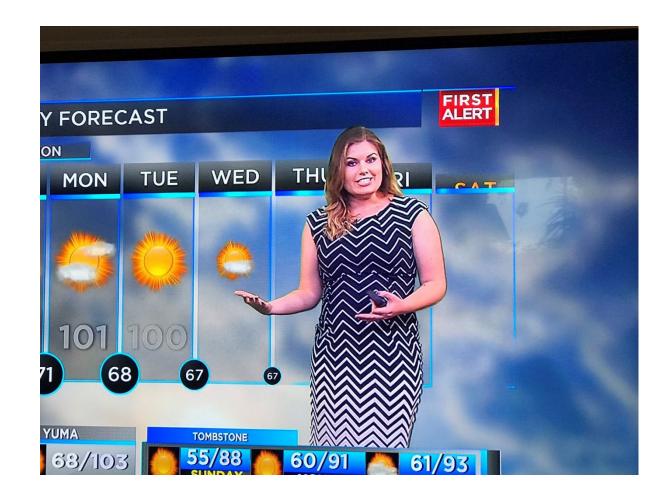


















Background for Video Background Audio - Dogs Barking, Children, SO's





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





Telehealth Networking

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.

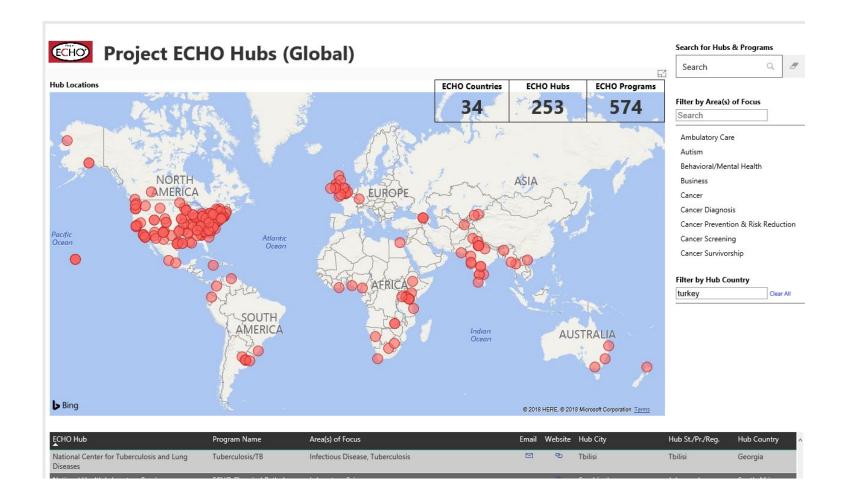


People need access to specialty care for their complex health conditions.

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

ARIZONA

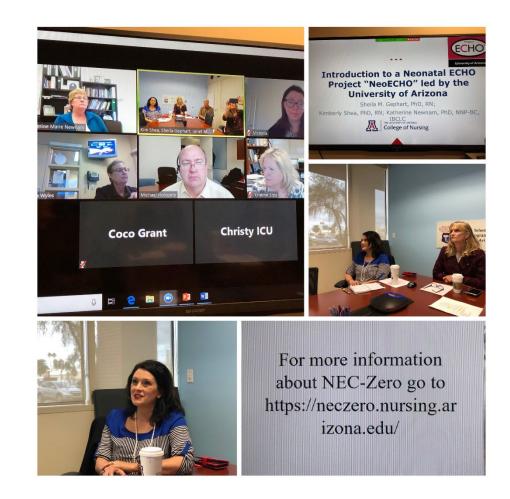
Program

TELEMEDICINE





NeoECHO







Clinical Case Presentation



This website has been made possible by grant G22RH24279 from the Office for the Advancement of Telehealth, Federal Office of Rural Health Policy, Health Resources and Services Administration, DHHS

Program Operations

Search

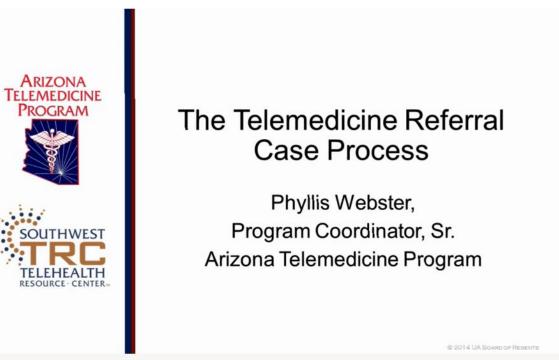












Case Management

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



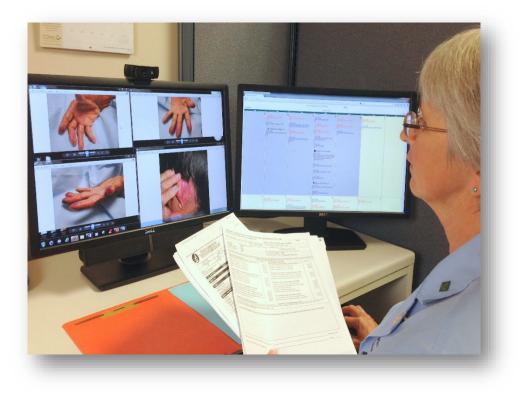








Telemedicine Case Coordinator

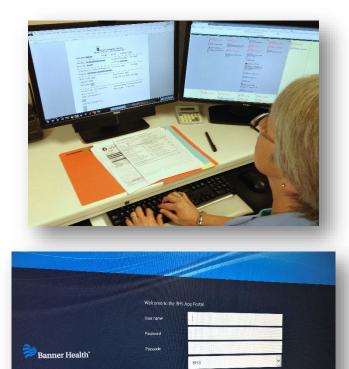


- Receives the case information and records the teleconsultation request
- Compiles and inspects demographic and clinical case information (administrative review)





Telemedicine Case Coordinator



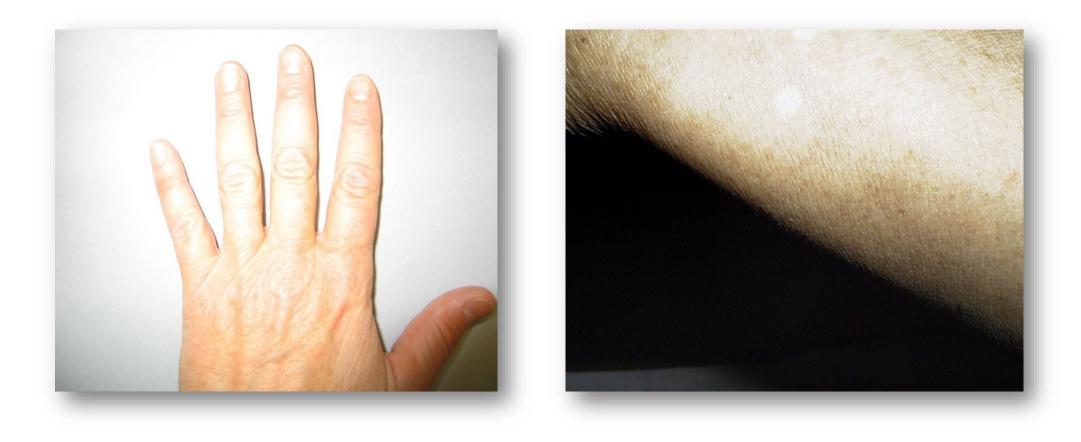
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- Registers the patient
- Begins referral case processing and documentation
- Notifies Medical Director of request





Ex: Poor diagnostic quality digital images for teledermatology referral case review 😕







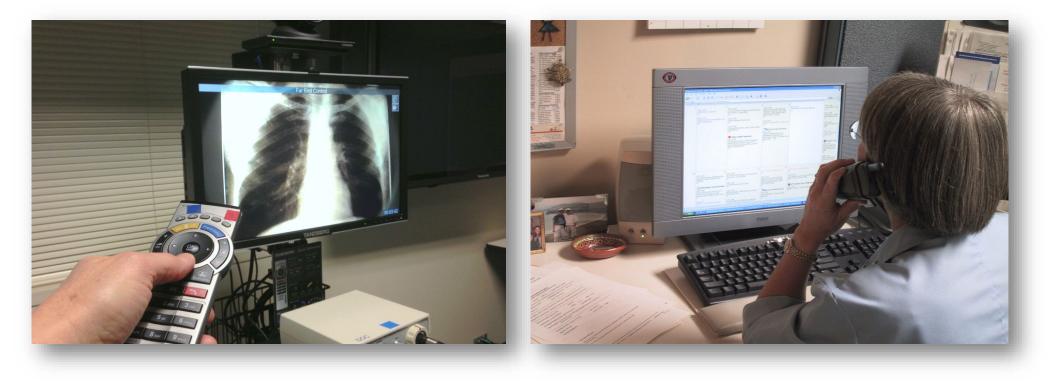
Using an online calendar to schedule network activities

earch iCal / RSS						Share Print Help
			✓ September 2018 >			
			Today Go to Date			
		Select Category Select one or more	e 💌 Go Month Week	Day List		
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
	3 Labor Day	4	5	6	7	8
			 Surgery Grand Rounds 8:00am - 9:00am 			
			 Medicine Grand Rounds (YRMC) 12:00pm - 1:00pm 			
			 CANCELLED Psychiatry Grand Rounds 4:00pm - 5:30pm 			
	10 Advances in Aging Grand Rounds	11 • Nursing Grand Rounds 12:00pm -	12 Surgery Grand Rounds 8:00am -	13 Pediatric Grand Rounds 12:00pm -	14	15
	12:00pm - 1:00pm	1:00pm @ Drachman Hall A326	9:00am Medicine Grand Rounds (YRMC)	1:00pm		
			12:00pm - 1:00pm Psychiatry Grand Rounds 4:00pm -			
	17	18	5:30pm	20	21	22
	 Developing a Telemedicine Program 	10	 CANCELLED Surgery Grand 	20	21	22
	Training _ Onsite Only		Rounds 8:00am - 9:00am Medicine Grand Rounds (YRMC)			
			12:00pm - 1:00pm Psychiatry Grand Rounds 4:00pm -			
	24	25	5:30pm 26	27	28	29
			 Surgery Grand Rounds 8:00am - 9:00am 	 Pediatric Grand Rounds 12:00pm - 1:00pm 		
			 Medicine Grand Rounds (YRMC) 	1.000		
			12:00pm - 1:00pm Psychiatry Grand Rounds 4:00pm - 5:30pm			





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







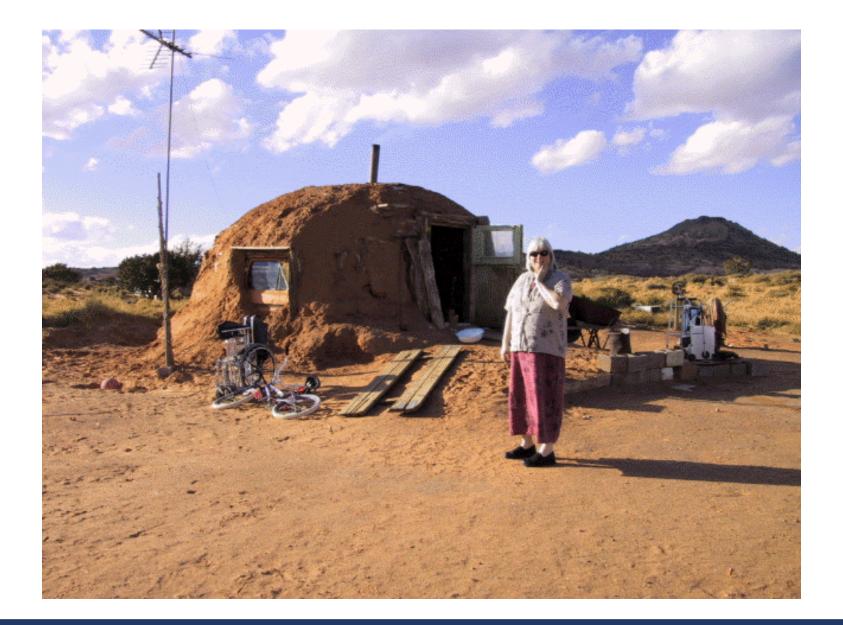
Cultural Diversity = having different cultures respect each other's differences.

- 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

(602) 253-0090

Director: Leila Barraza lbarraza@arizona.edu Associate Director: Jennifer Zuniga jzuniga@arizona.edu Contact: Colleen Reed, Program Coordinator, Senior colleen@email.arizona.edu

Executive Director: Jeri Byrne

jbyrne@easternazahec.net



Eastern Arizona AHEC (EAHEC) 5880 S. Hospital Drive, Suite 115 Globe, AZ 85501-9449 (Mailing) PO Box 572, 85502 (928) 402-8054



Central Arizona AHEC (CAAHEC) 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

950-A E, Main Street

Somerton, AZ 85350 (Mailing) PO Box 617 Somerton,

85350 (928) 315-7600

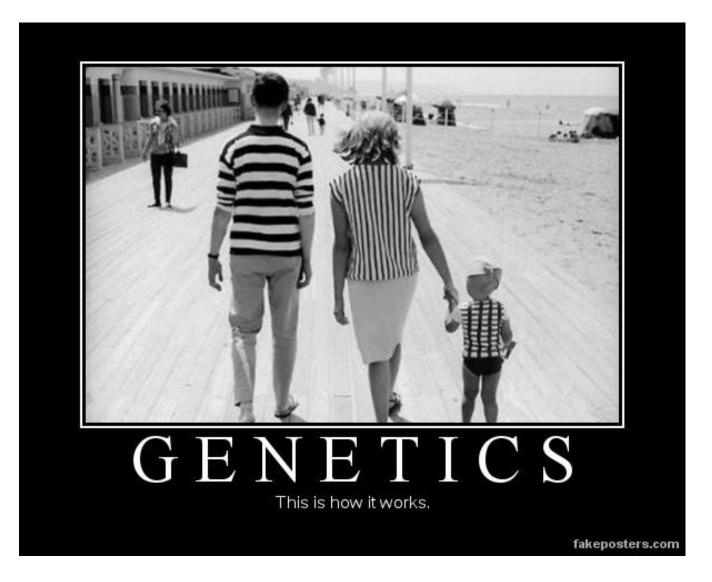




Western Arizona AHEC (WAHEC) Center Director: Joena Ezroj jezroj@rcfbh.org



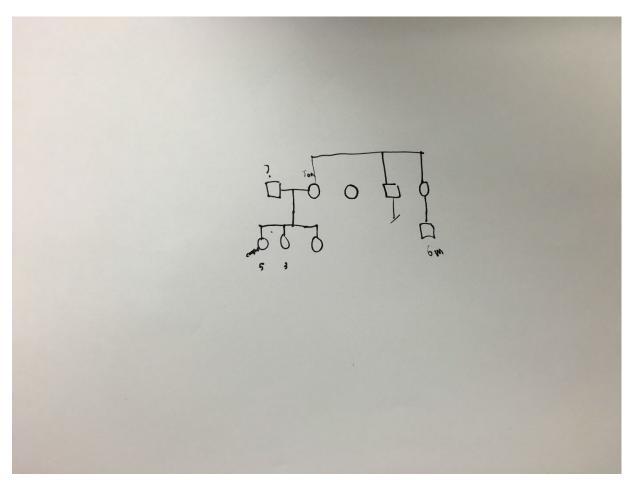






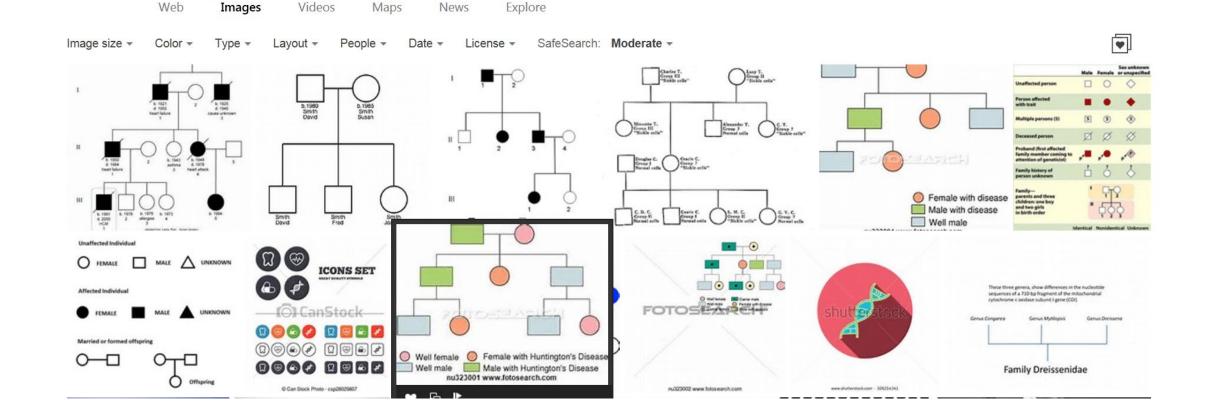


Telegenetics



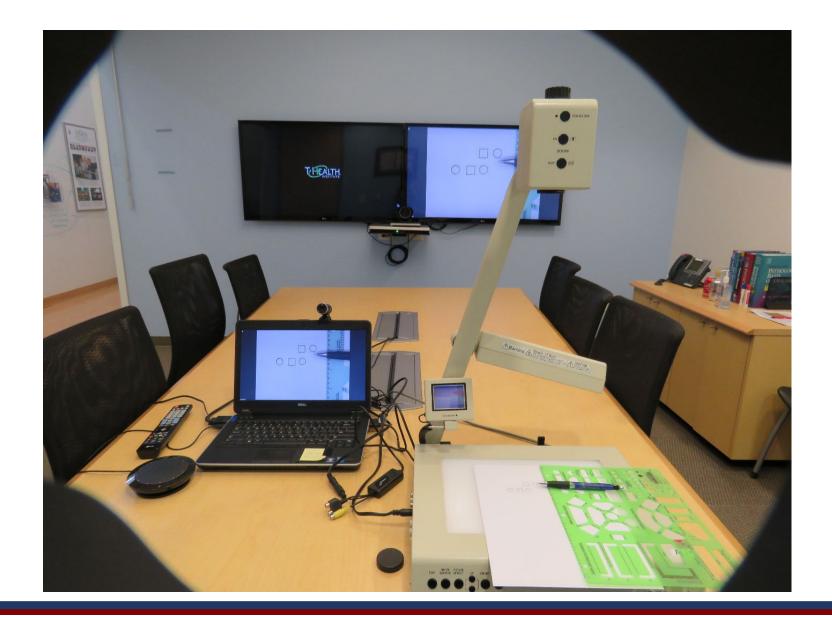






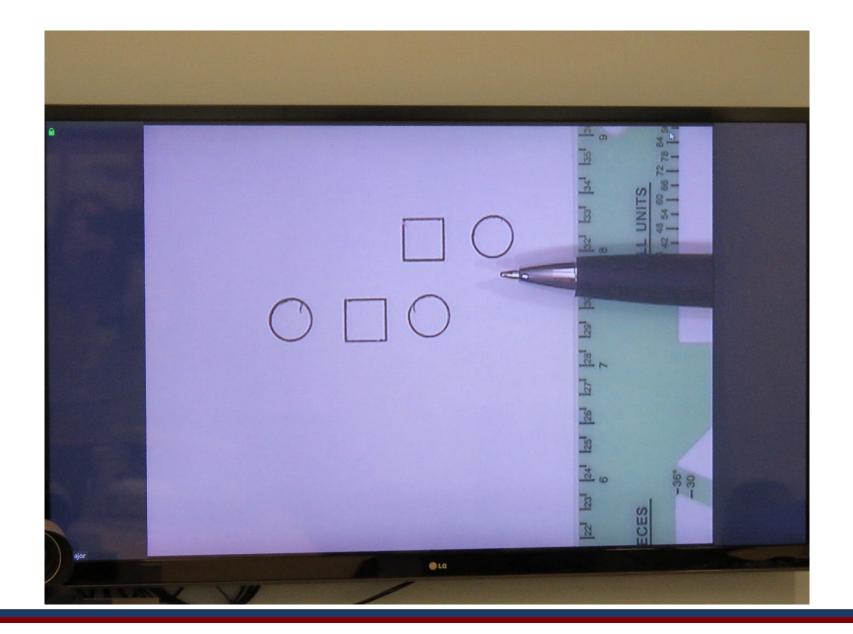
















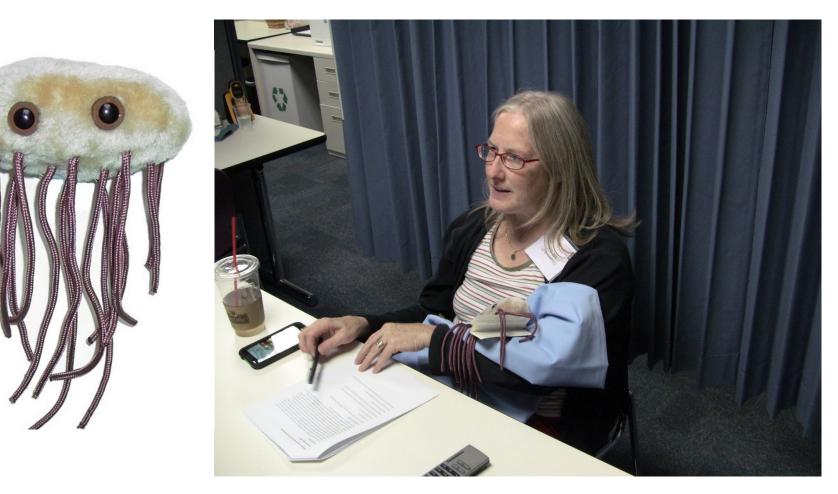
Hands-on!





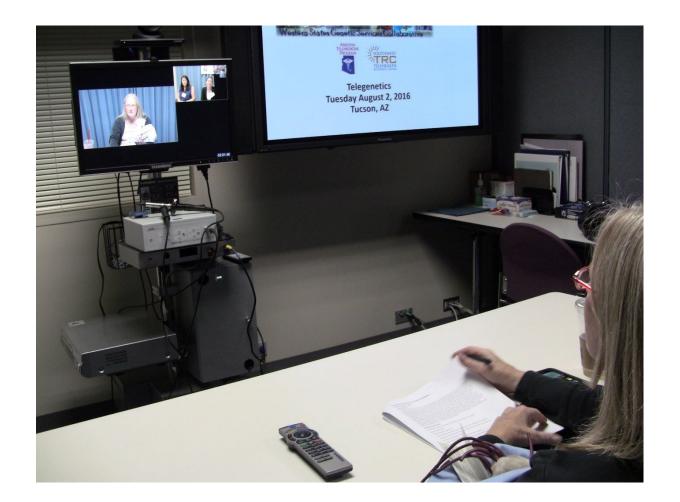


The Story of Eli Coli





















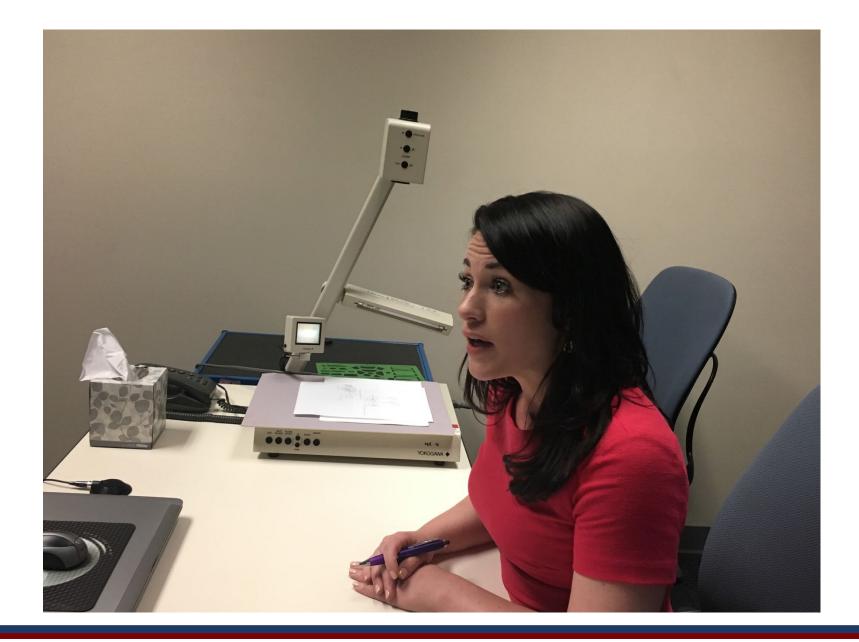
















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- verbally
- non-verbally





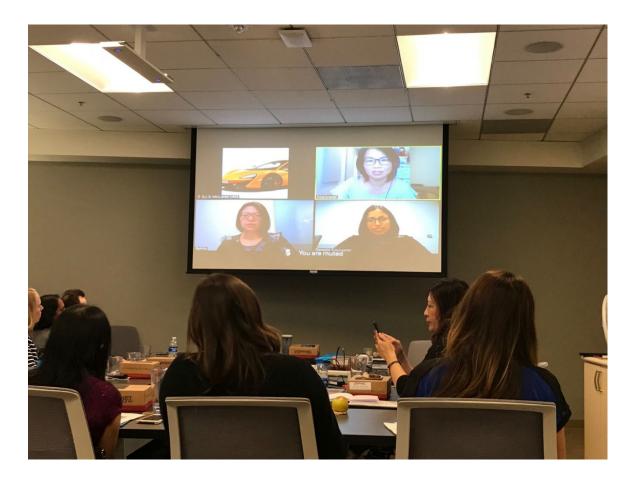
Educational Materials

- 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/XI B8_ixW8XffKfWS3XsI7zG6kSdMo67oSYo1NZZMGo ZgzHlBjUkak4HZYvuAx5IO?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!







Accessibility

Dictionary Powered by Oxford Languages - Bing Translator					
Enter a word				Look it up	
ac·ce	s∙si∙b	il∙i∙ty			
[ək sesə biləd	ē] 📣	-			
NOUN					
1 2	0	e reached or entered: ed repairing the roof	and improving access	ibility"	
		2 IV	nability · obtainability · attainability · reachab		
	of being easy to /ere concerned		ty of quality academic	counseling"	
		understood or apprec			
			te modern art" derstandability · penet	rability ·	
 the guality 	of being easily r	eached, entered, or	used by people who h	ave a disability:	
	itaata baliawa th	at accommodating w	heelchairs is all there	is to providing	



Accessibility is the design of products, devices, services, vehicles, or environments so as to be usable by people with disabilities. The concept of accessible design and practice of accessible development ensures both "direct access" (i.e. unassisted) and "indirect access" meaning compatibility with a person's assistive technology (for example, computer screen readers).

Wikipedia

Academic conferences ASSETS 2012 · CYBERLAWS 2013 · ACM... +

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danke takku ThankYou mahalo kiitosdekuju gracias grazie obrigado mercikoszi dank



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



