ARIZONA TELEMEDICINE PROGRAM

SOUTHWEST TRC TELEHEALTH RESOURCE · CENTER™

Arizona Telemedicine Program

Janet Major, B.S.

Associate Director for Telemedicine
Education & Facilities
Arizona Telemedicine Program
Technical Coordinator
Southwest Telehealth Resource Center
Telehealth Board Member & President Elect
United States Distance Learning Association
ATA mHealth, Technology & DL SIG

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NCC National Coordinating Center for the Regional Genetics Networks

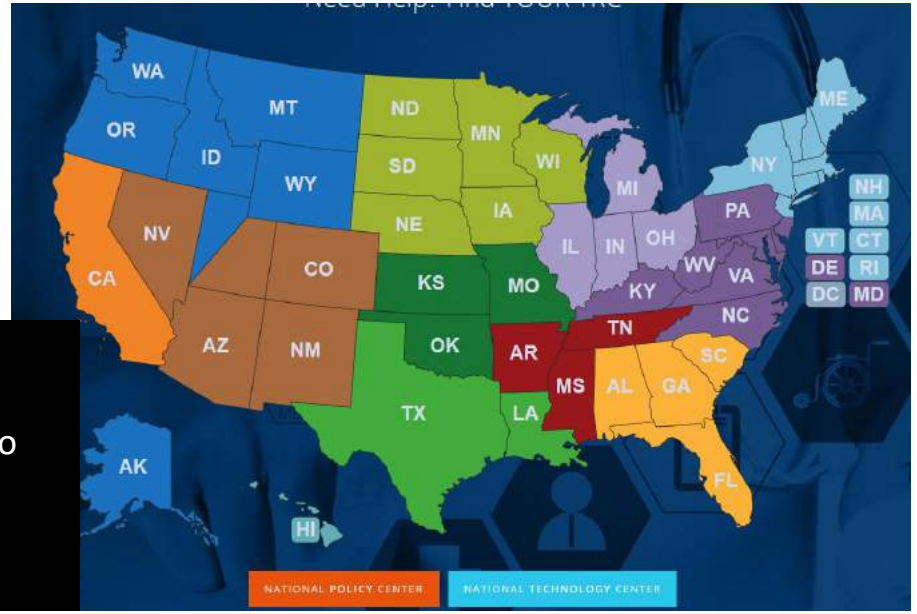
NATIONAL CONSORTIUM OF TELEHEALTH RESOURCE CENTERS

WSRGN Western States Regional Genetics Network

SOUTHWEST TRC TELEHEALTH RESOURCE · CENTER

ARIZONA TELEMEDICINE PROGRAM

Alaska
California
Guam
Hawaii
Idaho
Oregon
Washington



Nevada
Utah
Colorado
Arizona
New
Mexico

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Mountain States Regional Genetics Network
National Consortium of Telehealth Resource Centers

- Northwest TRC
- California TRC
- Southwest TRC
- TexLa TRC

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www.telehealthresourcecenter.org

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ARIZONA TELEMEDICINE PROGRAM

SOUTHWEST TRC TELEHEALTH RESOURCE · CENTER™

ATA 2018

Exhibit Hall Review

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www.telemedicine.arizona.edu/webinar

The Arizona Telemedicine Program, the Southwest Telehealth Resource Center
and the Technology Special Interest Group of the American Telemedicine Association
invite you to a free webinar to review the telemedicine and telehealth technology recently exhibited at the American Telemedicine Association's 22nd Annual Telemedicine Meeting & Trade Show: ATA 2017

Webinar

Thursday, August 10, 2017 ~ 12:00pm Arizona Time
(12pm PDT; 12pm Arizona; 1pm MDT; 2pm CDT; 3pm EDT)

"ATA 2017 Exhibit Hall Technology Review"

Learning Objectives:

1. Review some of the current trends observed at the annual signature event for telemedicine technology.
2. Take a virtual tour of the ATA 2017 Exhibit Hall & Showcase at the Florida Convention Center.
3. Learn who and where you can go to get access to the best resources in telemedicine and telehealth technology.

Janet Major, B.S.
Associate Director
for Facilities

Janet Major is the Associate Director of Facilities for the Arizona Telemedicine Program (ATP). She earned her B.S. Degree in Telecommunications from Northern Arizona University with her major emphasis in producing and directing. She has worked at the University of Arizona for 30 years and was initially the primary manager of videoconferencing services at the Arizona Health Sciences Center. She has since been employed by ATP for 20 years. As Associate Director of Facilities, her current responsibilities include the planning, development and installation of the teleconferencing and telemedicine peripheral equipment used in telemedicine sites. She also provides training to healthcare professionals in the effective use of teleconferencing for both clinical and educational applications.
Ms. Major serves as Co-Chair for the mHealth, Technology & Distance Learning Special Interest Group of the American Telemedicine Association as well as the board of USDLA; the United States Distance Learning Association, representing the telehealth constituency and ATIC; the Arizona Telecommunications and Information Council, serving on the board with fellow telecommunications experts to eliminate broadband disparity in rural and urban Arizona.

For more information and registration instructions please visit our website:
http://www.telemedicine.arizona.edu/webinar

The Arizona Telemedicine Program, the Southwest Telehealth Resource Center
and the mHealth, Technology & Distance Learning Special Interest Group of the American Telemedicine Association
invite you to a free webinar to review the telemedicine and telehealth technology recently exhibited at the American Telemedicine Association's 23rd Annual Telemedicine Meeting & Trade Show: ATA 2018

Webinar

Thursday, August 9, 2018 ~ 12:00pm Arizona Time
(12pm PDT; 12pm Arizona; 1pm MDT; 2pm CDT; 3pm EDT)

"ATA 2018 Exhibit Hall Technology Review"

Learning Objectives:

1. Review some of the current trends observed at the annual signature event for telemedicine technology.
2. Take a virtual tour of the ATA 2018 Exhibit Hall & Showcase at the Chicago Convention Center.
3. Learn who and where you can go to get access to the best resources in telemedicine and telehealth technology.

Janet Major, B.S.
Associate Director
for Telemedicine
Education & Facilities

Janet Major is the Associate Director of Facilities for the Arizona Telemedicine Program (ATP). She earned her B.S. Degree in Telecommunications from Northern Arizona University with her major emphasis in producing and directing. She has worked at the University of Arizona for 30 years and was initially the primary manager of videoconferencing services at the Arizona Health Sciences Center. She has since been employed by ATP for 20 years. As Associate Director of Telemedicine Education & Facilities, her current responsibilities include the design, development and installation of the teleconferencing and telemedicine peripheral equipment used for telemedicine services. She also provides training to healthcare professionals in the effective use of teleconferencing for both clinical and educational applications.
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For more information and registration instructions please visit our website:
http://www.telemedicine.arizona.edu/webinar

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TeleCon 1997

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Telehealth Technology Resources

Arizona Telemedicine Program	www.telemedicine.arizona.edu
Telemedicine & Telehealth Service Provider Summit	http://ttspsworld.com
Southwest Telehealth Resource Center	www.southwesttrc.org
National Telehealth Resource Centers	www.telehealthresourcecenter.org
ATA American Telemedicine Association	www.americantelemed.org
USDLA United States Distance Learning Association	www.usdla.org
University of New Mexico Center for Telehealth	http://hsc.unm.edu/community/telehealth/
Project ECHO	http://echo.unm.edu/
TTAC Telehealth Technology Assessment Resource Center	www.telehealthtechnology.org

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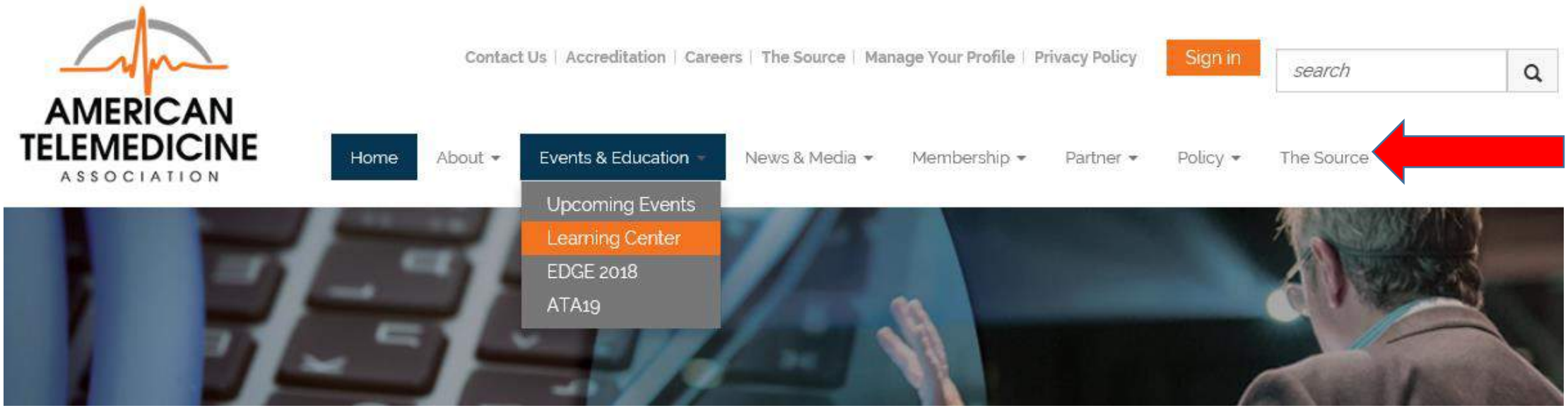
http://americantelemed.org/home



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SIG's

- Telemental Health
- Home Telehealth & Remote Monitoring
- Pediatric Telehealth
- Business & Finance
- mHealth, Technology & Distance Learning
- Telerehabilitation
- ATA Institutional Council
- Telehealth Nursing

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- ATA Member Group Leaders
- Human Factors
- International
- ATA Industry Council
- Teledermatology
- Pacific Islands Chapter (PICATA)
- InterstateTelehealth
- Latin American & Caribbean Chapter (ATALACC)
- TeleICU
- Ocular

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- Canadian Discussion Group
- President's Circle & Institutional
- ATA-DR Guidelines Writing Committee
- ATA Student Council
- State Forums
- Open Forum

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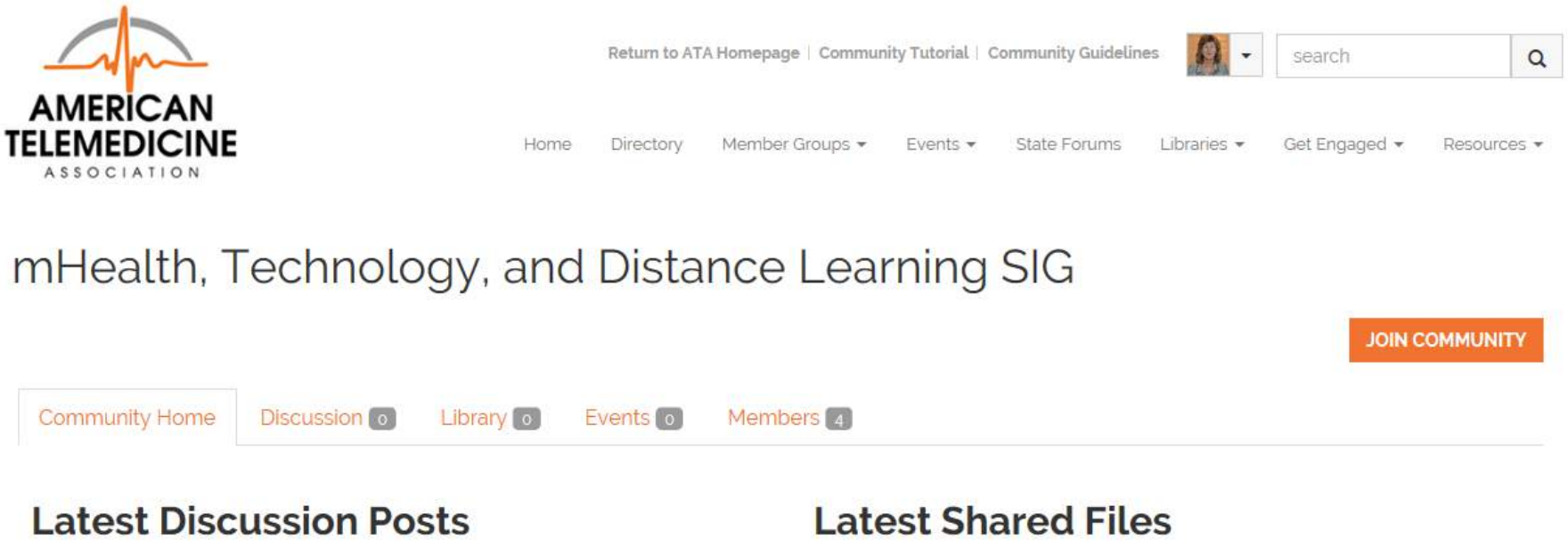
The Source *for ATA Members

Join as many SIG's as you would like

Be sure to join the mHealth, Technology & DL SIG



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mHealth, Technology & Distance Learning Special Interest Group of the ATA

aka: mH, T & DL SIG/ATA

Chair of Technology/Distance Learning — David Maughan
Co-Chair of mHealth/Clinical Expert — Alex Chiu

Past Chairs: Janet Major and Pramod Gaur

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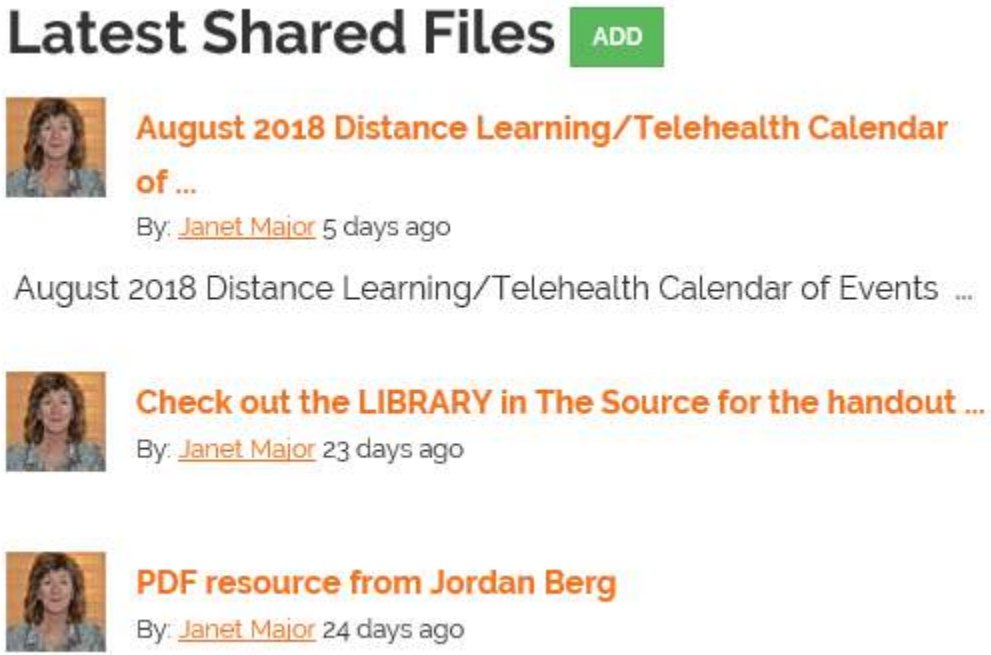
Stethoscope Recording & PDF on SIG webpage



AMERICAN TELEMEDICINE ASSOCIATION

mHealth, Technology, and Distance Learning SIG

Post New Message

Jul 13, 2018

Check out the LIBRARY in The Source for the handout and Video Link from our Teck Talk about Stethoscopesps

Reply to Group | Reply to Sender

1. Please join us next month for a technology... Janet Major

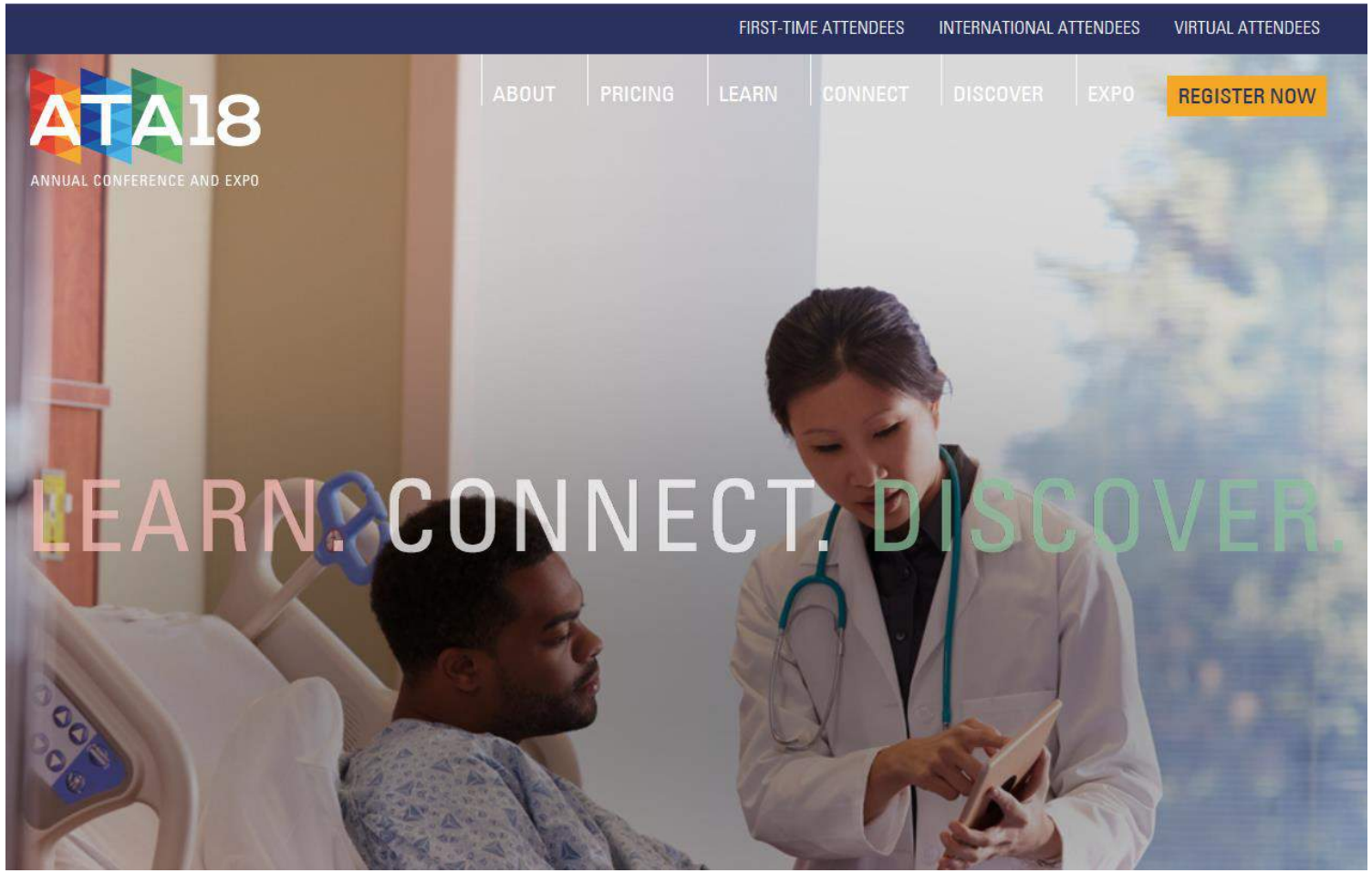
1. Check out the LIBRARY in The Source for the handout and Video Link from our Teck Talk about Stethoscopesps

Jul 13, 2018 5:41 PM | view attached
Janet Major

Please join us next month for a technology review and virtual tour of the ATA 2018 Exhibit Hall!
Details are attached and on our SIG calendar - see you there!

Janet Major

www.ata2018.org/



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ATA 2018 Downtown Chicago

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ATA 2018 EXPO

The Largest and Most Important Gathering of Telemedicine Professionals in North America

The ATA18 Conference & Expo convenes thousands of healthcare leaders and is focused exclusively on telemedicine. This year, we will celebrate 25 years of success gathering thousands of leaders committed to improving healthcare delivery. ATA18 is the perfect opportunity to find new business, raise your organization's profile, achieve greater brand visibility among those driving the telehealth profession.

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ATA18
ATA18
ATA18
ATA18
REGISTRATION
HOURS
SATURDAY, APRIL 28
SUNDAY, APRIL 29

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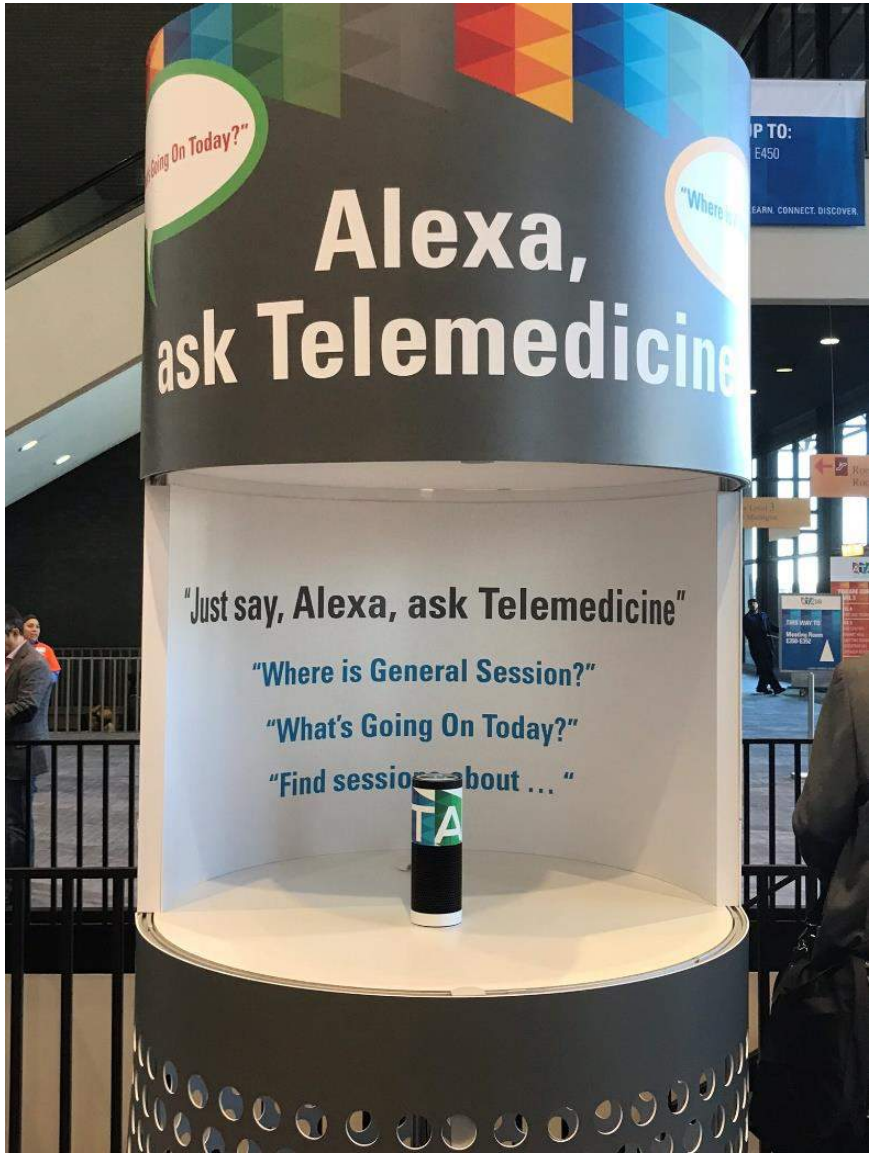

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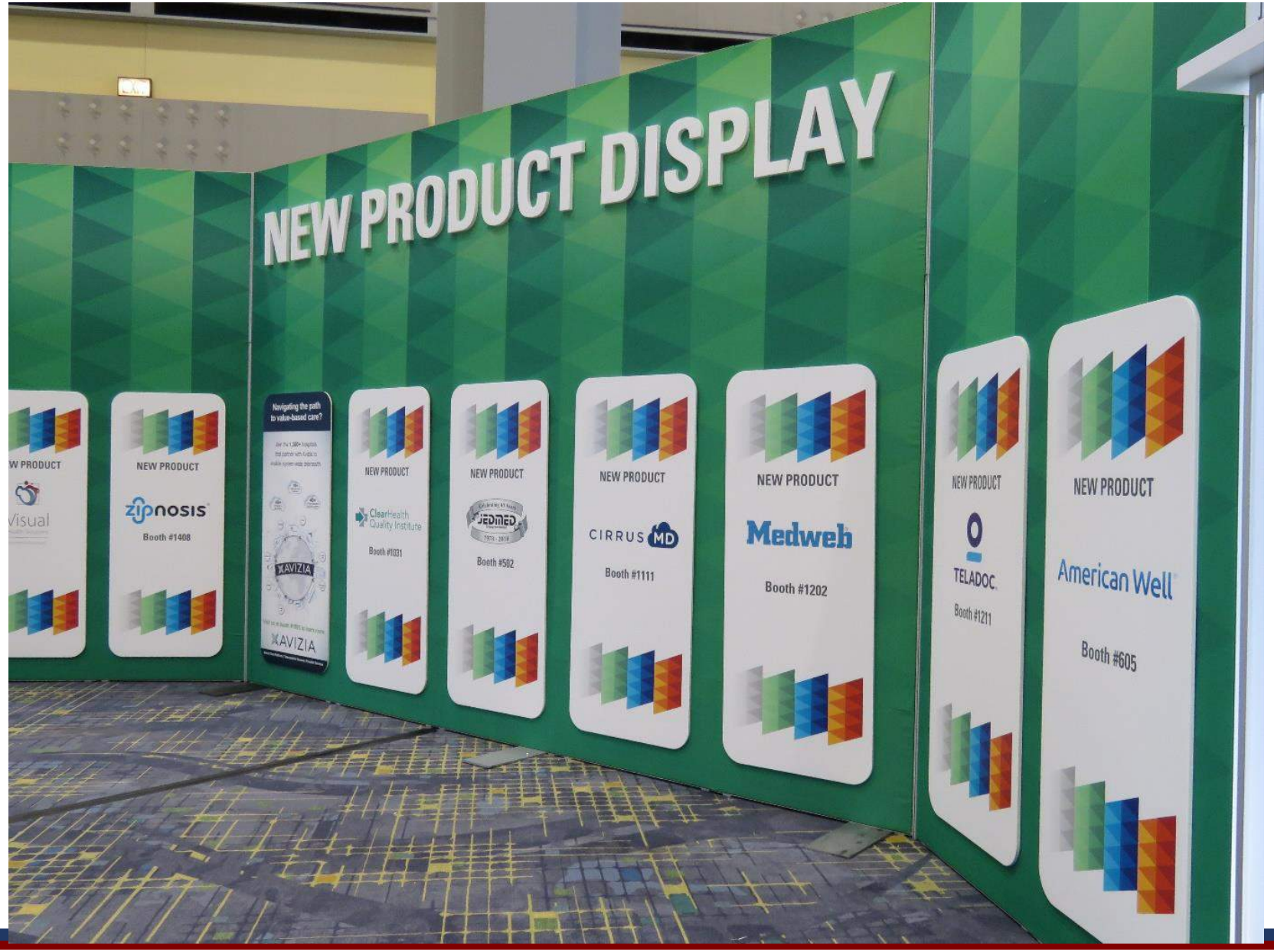

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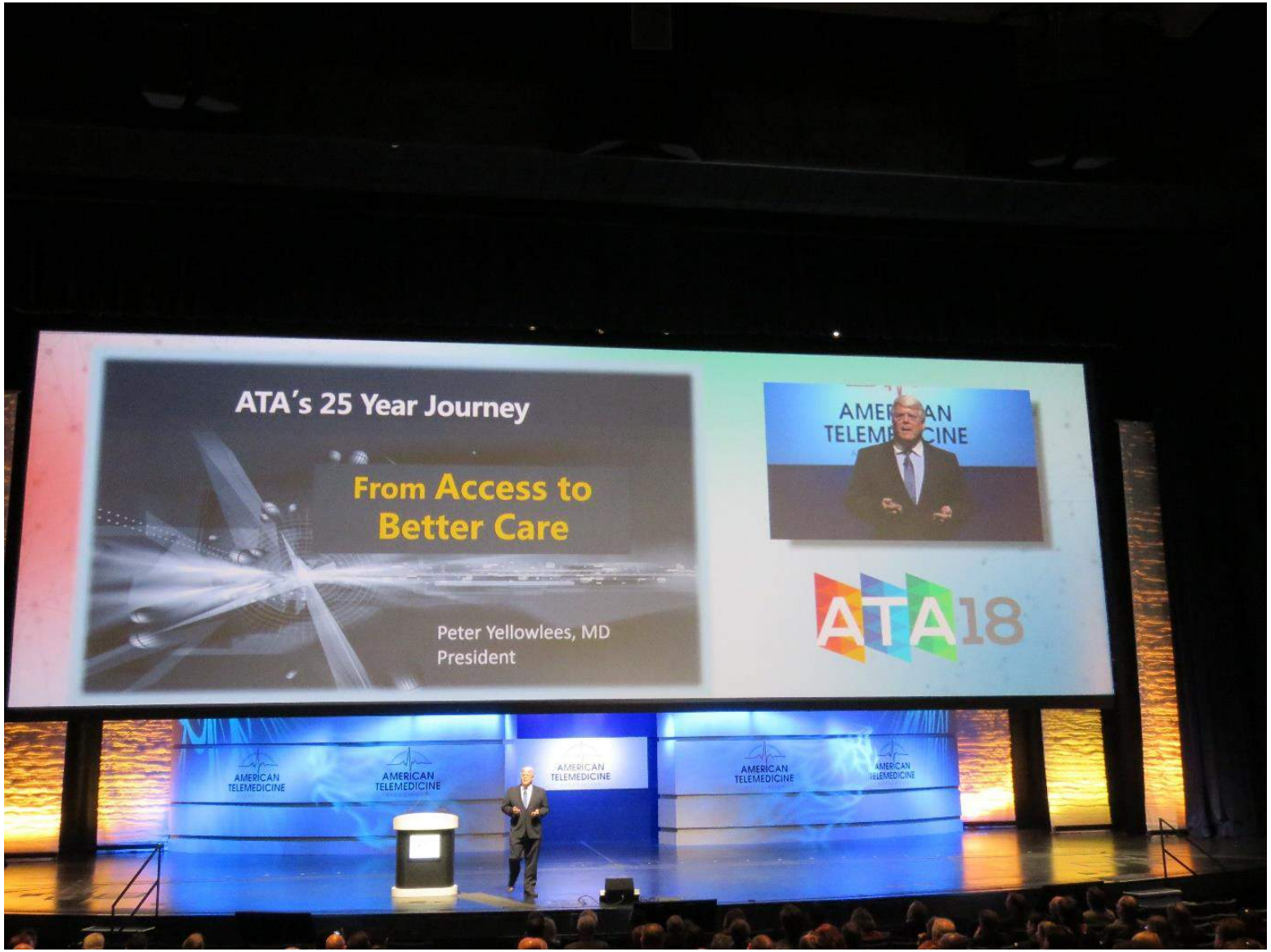

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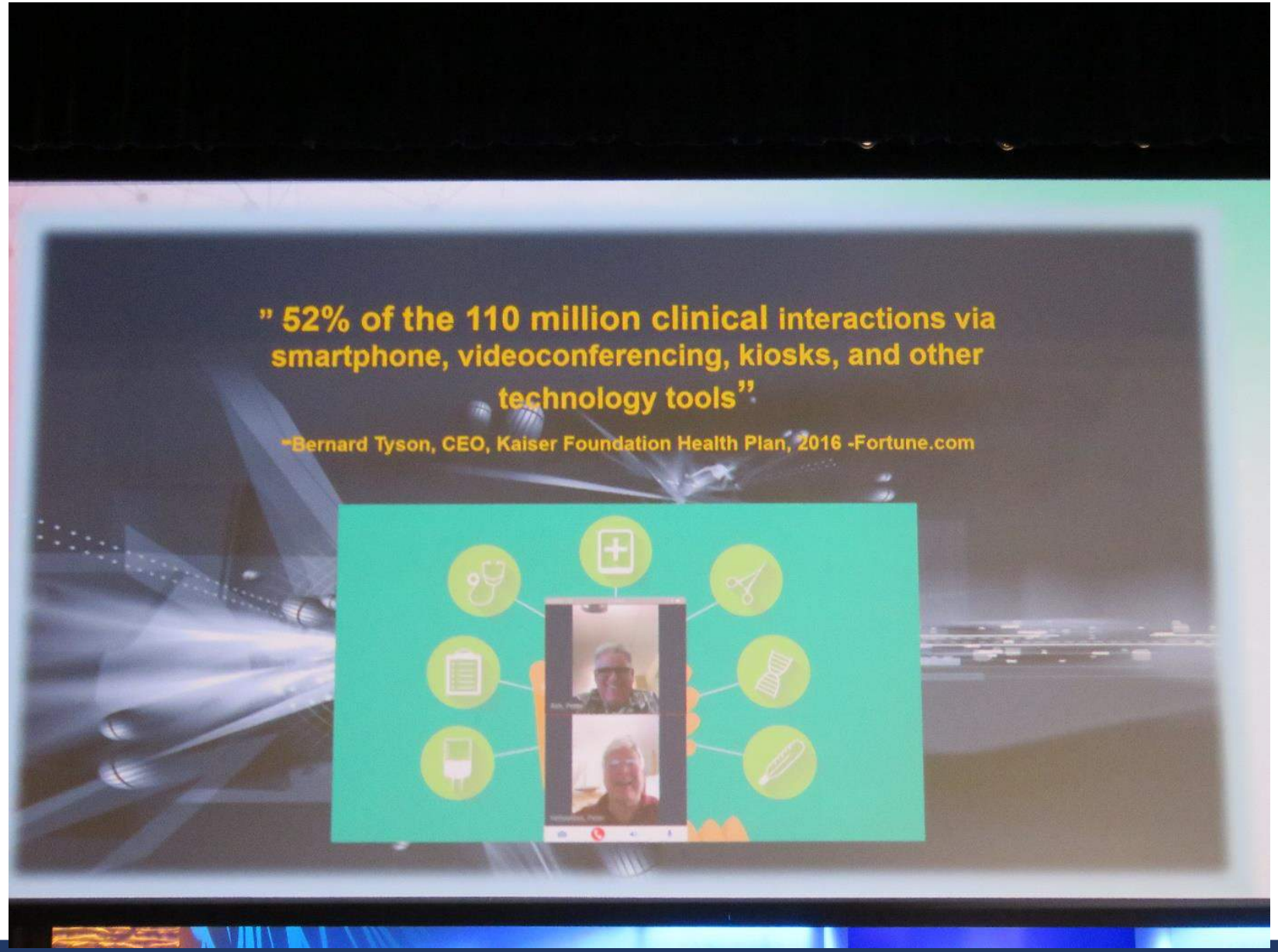

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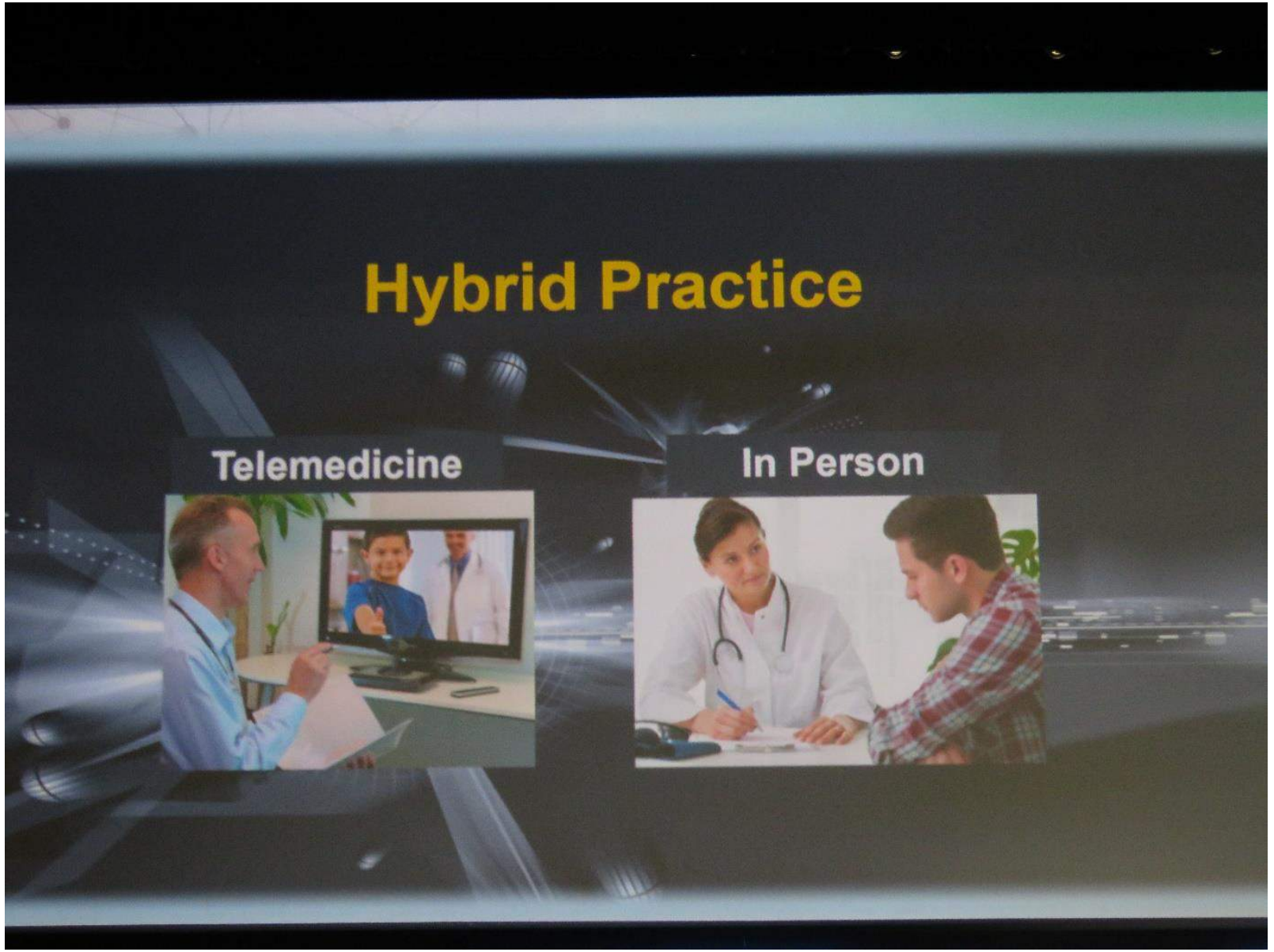

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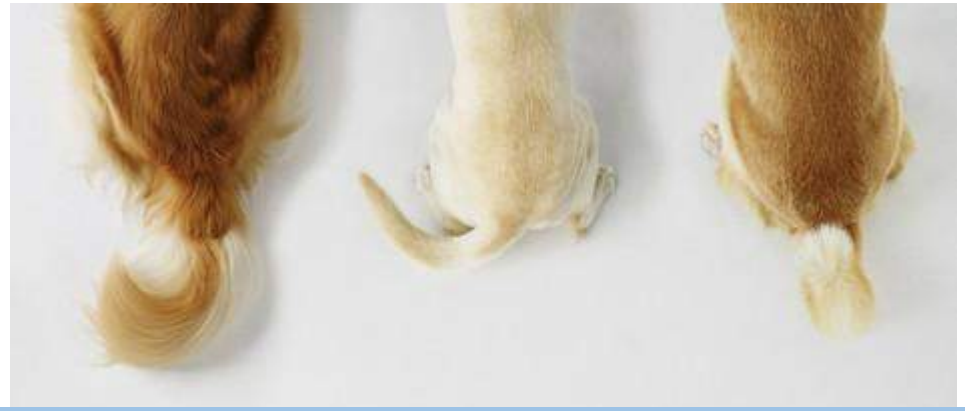

Technology for Telehealth:
No longer the tail wagging the dog!

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ATA
DISCOVER
CONNECT

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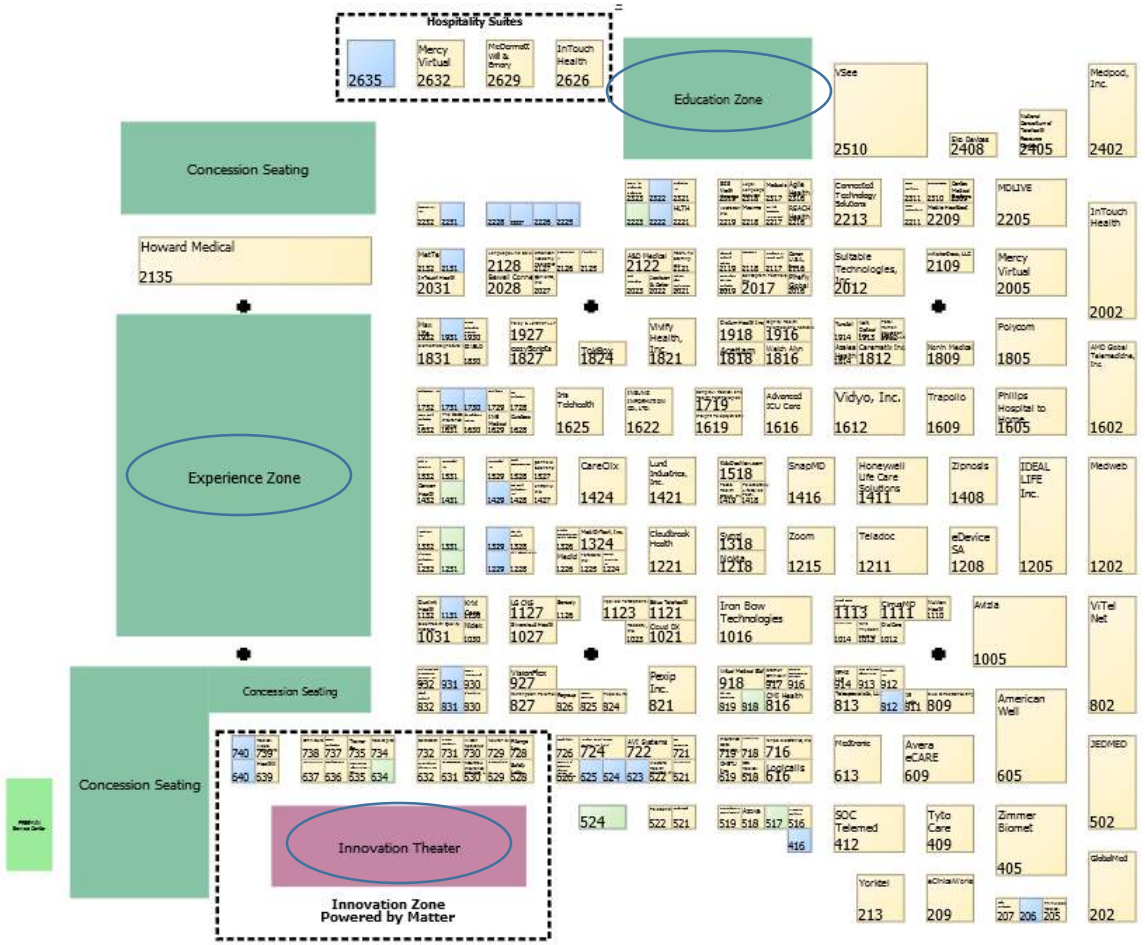

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ATA 2018

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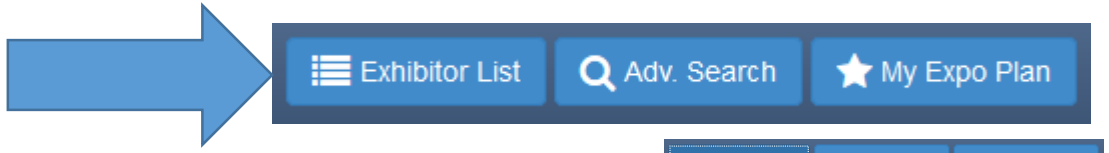

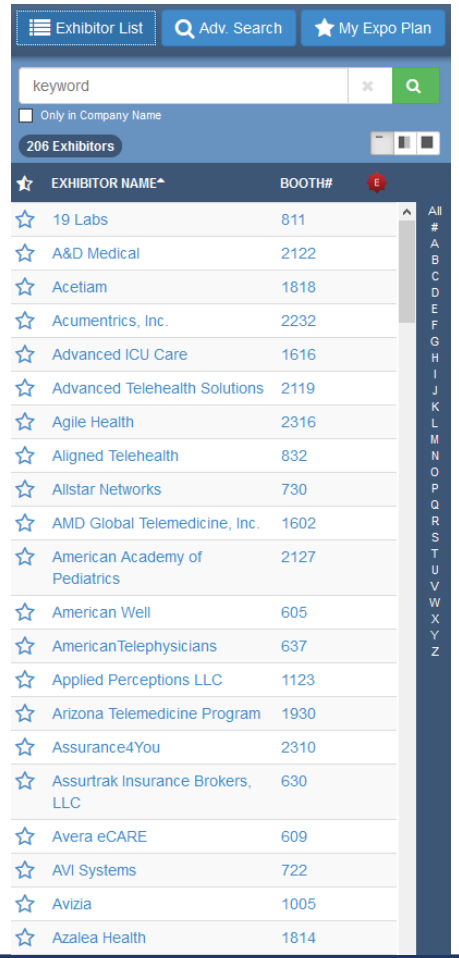

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Healthcare technology moves fast. Consumers are fickle. Competition is fierce. Will your innovation stand out from the crowd? Share it and shop it at the ATA18 Pitch Jam!

15 minutes that can change your company's future.
The American Telemedicine Association's Annual Conference, ATA18, is the world's largest innovation & networking event focused on telehealth and telemedicine. At ATA18, our attendees aren't just interested in healthcare technology. They are the 5000+ clinicians, academics, policy makers and deciders closest to telehealth and telemedicine. Where better to gain valuable feedback from this super-concentrated micro-segment?

We're looking for 6 promising startups to pitch to our panel of patients, clinicians, tech industry insiders and investors. Startups will have 5 minutes (12 slides max) to pitch, 7 minutes to field questions from our judges, and 3 minutes to close.

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http://www.telehealthresourcecenter.org/

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TelehealthResourceCenters.org

TTAC
TelehealthTechnology.org

Center for Connected Health Policy

ARIZONA TELEMEDICINE PROGRAM

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SOUTHWEST TELEHEALTH RESOURCE CENTER TRC

12 Regional Resource Centers

TexLa Telehealth Resource Center
Serving Texas and Louisiana
Phone: 877-391-0487
Direct: 806-743-4440

Mid-Atlantic Telehealth Resource Center
Serving Virginia, West Virginia, Kentucky, Maryland, Delaware, North Carolina, Pennsylvania, Washington DC, and New Jersey [shared]
Phone: 855-MATRC4U (628.7248)
Direct: 434-906-4960

Upper Midwest Telehealth Resource Center
Serving Indiana, Illinois, Michigan and Ohio
Phone: 855-283-3734

Southeastern Telehealth Resource Center
Serving Georgia, South Carolina, Alabama, and Florida
Phone: 1-888-738-7210

Pacific Basin Telehealth Resource Center
Serving Hawaii and Pacific Basin
Phone: 808-956-2897

Heartland Telehealth Resource Center
Serving Kansas, Missouri and Oklahoma
Phone: 877-643-HTRC (4872)

South Central Telehealth Resource Center
Serving Arkansas, Mississippi and Tennessee
Phone: 855-664-3450

Southwest Telehealth Resource Center
Serving Arizona, Colorado, New Mexico, Nevada and Utah
Phone: 877-535-6166
Direct: 404-712-3868

Northwest Regional Telehealth Resource Center
Serving Washington, Oregon, Idaho, Montana, Utah, Wyoming and Alaska
Phone: 888-662-5601

Great Plains Telehealth Resource & Assistance Center
Serving North Dakota, South Dakota, Minnesota, Iowa, Wisconsin and Nebraska
Phone: 888-239-7092

California Telehealth Resource Center
Serving California
Phone: 877-590-8144

NorthEast Telehealth Resource Center
Serving New England (Connecticut, Maine, Massachusetts, New Hampshire, New Jersey [shared], New York, Rhode Island, and Vermont)
Phone: 800-379-2021

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National Resource Centers

National Telehealth Policy Resource Center

Serving all Telehealth Resource Centers and All States

Phone: 877-707-7172
Direct: 916-285-1860

National Telehealth Technology Assessment Resource Center

Serving All Telehealth Resource Centers and All States

Phone: 877-885-5672
Direct: 907-729-4703

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TTAC National Telehealth Technology Assessment Center telehealthtechnology.org

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TRC Neighborhood
https://www.telehealthresourcecenter.org/

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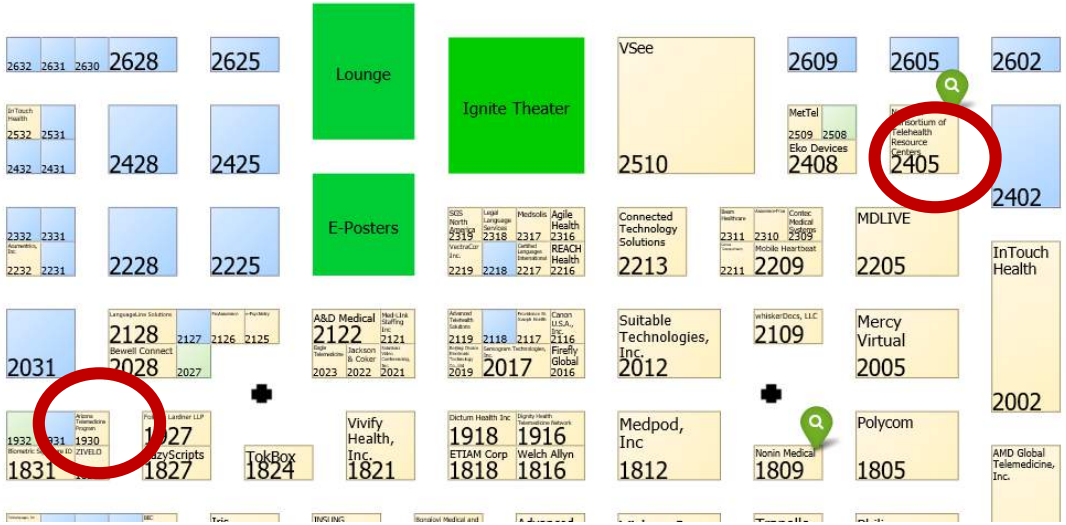
ATP @ ATA #1930

AMERICAN TELEMEDICINE ASSOCIATION

SWTRC @ ATA #2405



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SPS™ Telemedicine Telehealth
Service Provider Summit℠

REGISTER NOW!

JOIN US at the 4th annual SPS
October 8-9, 2018
ttspsworld.com

NEW Venue:
The Renaissance Glendale Hotel & Spa
Glendale, Arizona

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Technology for Telehealth

- Resources/where to shop
- Tips on 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?

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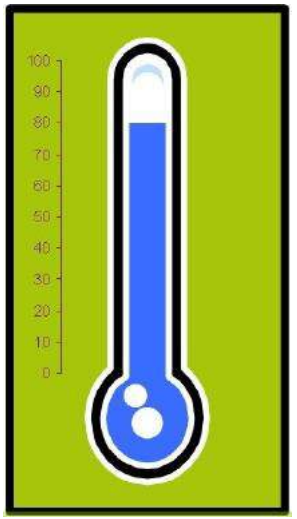
Trends

- Power of Technology for telehealth
- Partnerships
- Technology Solutions to Challenges
- what is the clinical application? How does it make the clinical case workflow more efficient?
- Cool Stuff – and Degrees of Coolness



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Technology Trends 2017 & 2018

- Multi-purpose cameras
- Multi-purpose devices
- Cart of the year
- Stethoscopes – HOT topic this year
- Audio processing software
- More wearables
- More mhealth
- More Box “to-go” with more varieties of end-users/applications
- “Wall-Doc” or “PAT” wall mounted systems
- Kiosks
- 2018 More Colorful Robots

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Compare Apples to Apples

Borrow and demo anything and everything you can in-house and on your own network in your own environment before you buy it!

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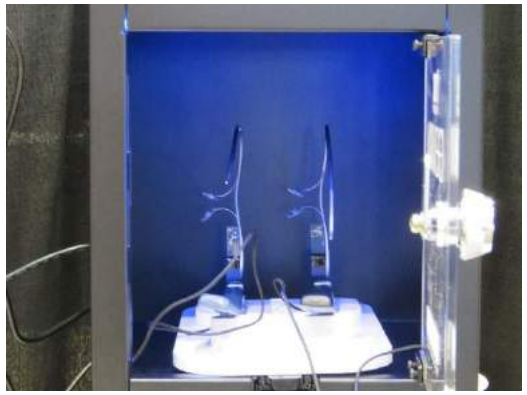
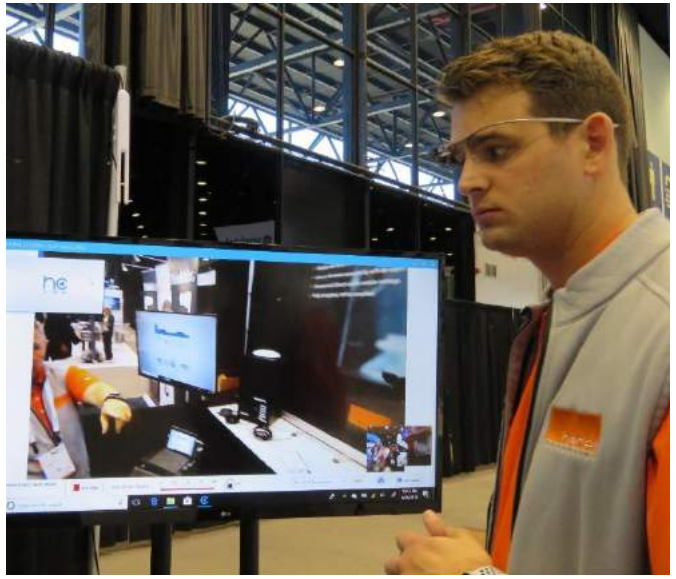
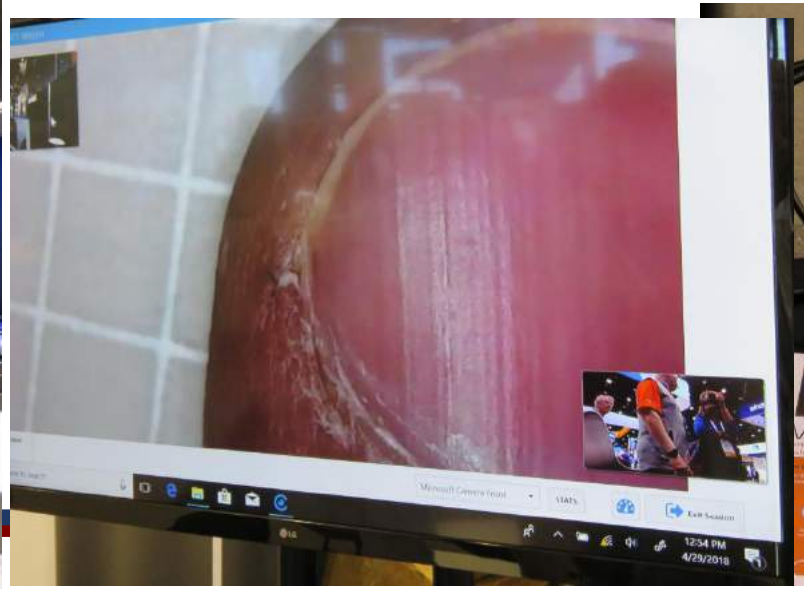
Hodei telepresence technology







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Multi-Purpose Cameras & Devices

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tytocare

Comprehensive exams

whenever and wherever you need them

Heart Exam | Heart Rate | Lungs | Ears | Skin | Throat | Temp | Abdomen

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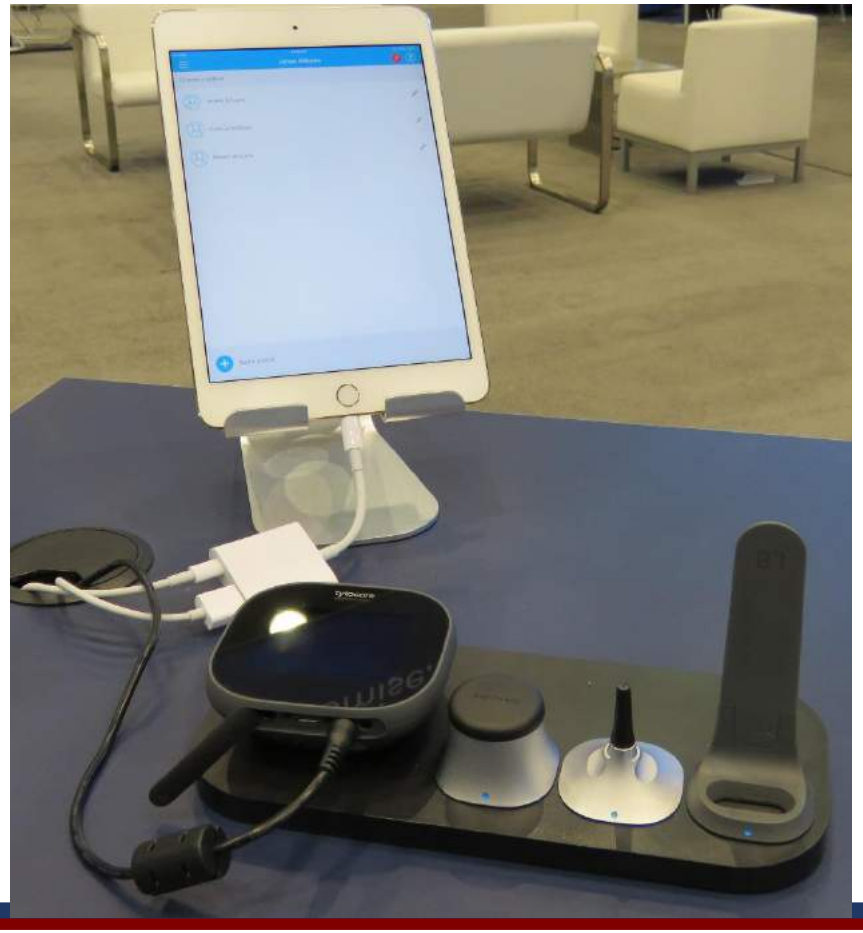
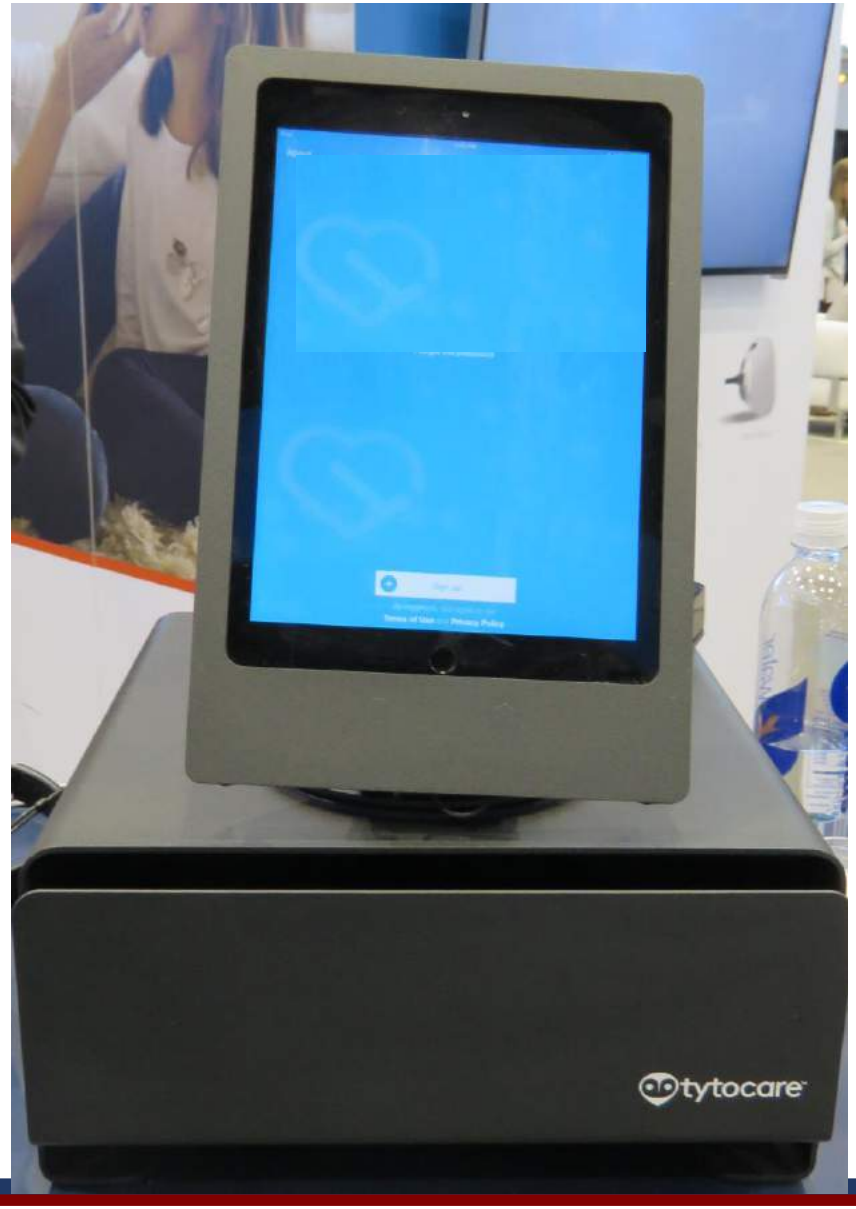
Tytocare 2018





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Specialty Cameras

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USB Exam Cam

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Teleophthalmology 2018

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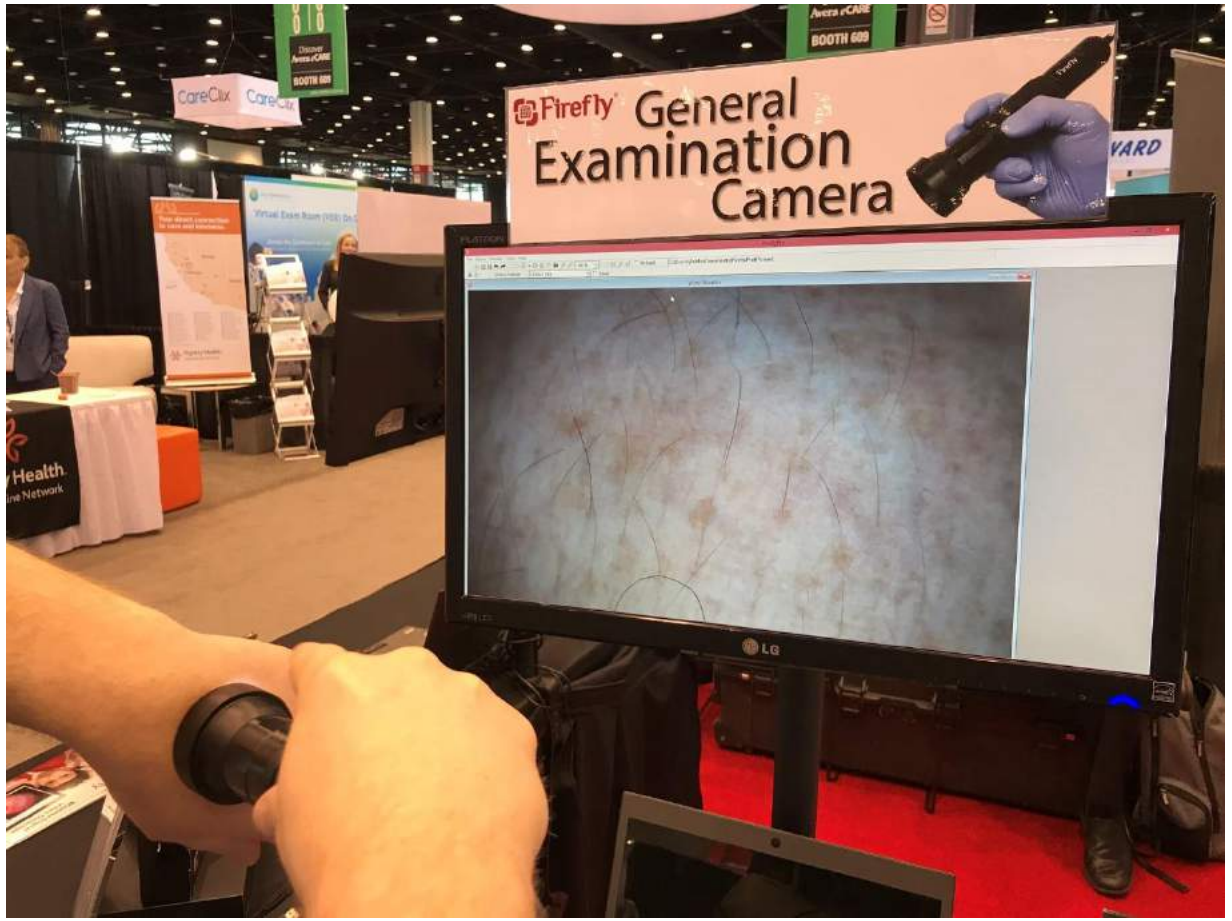

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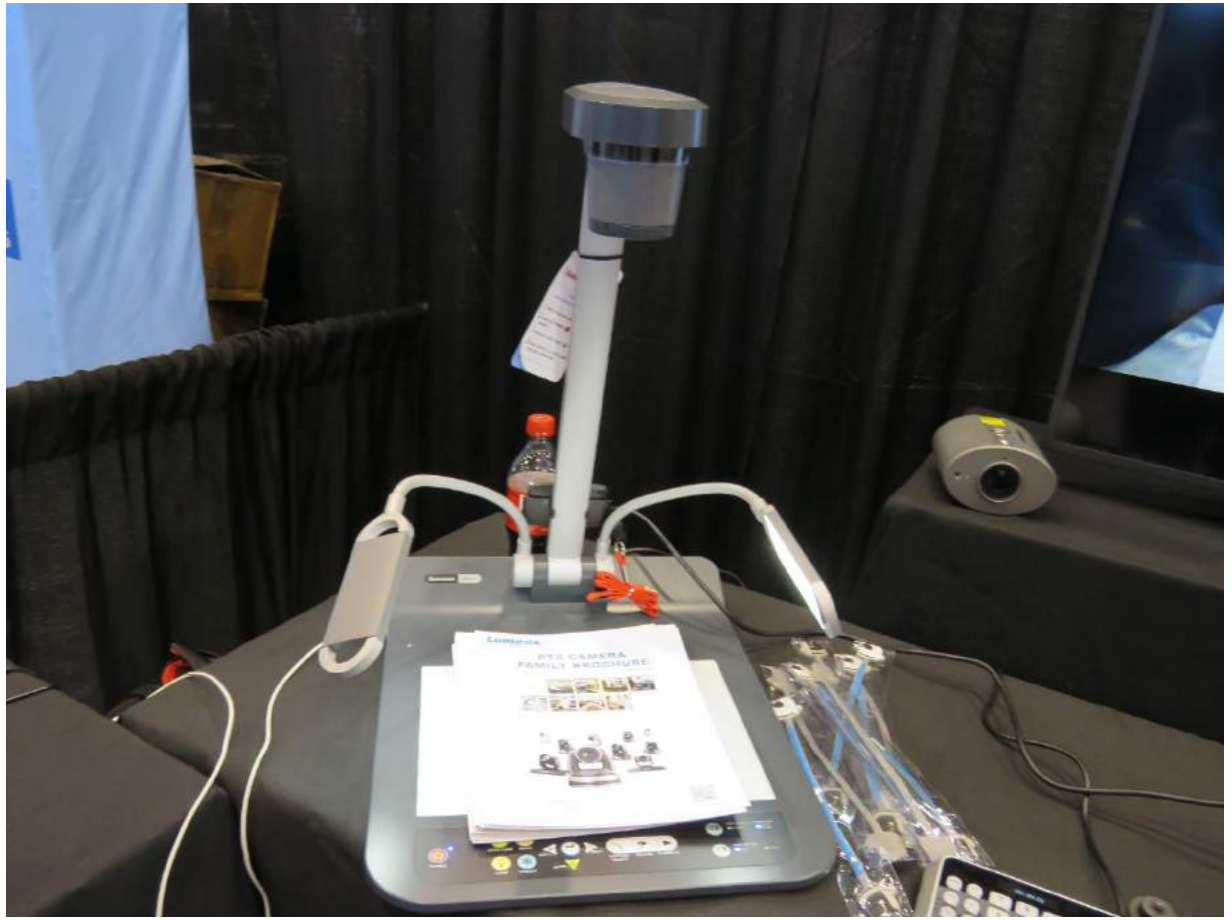

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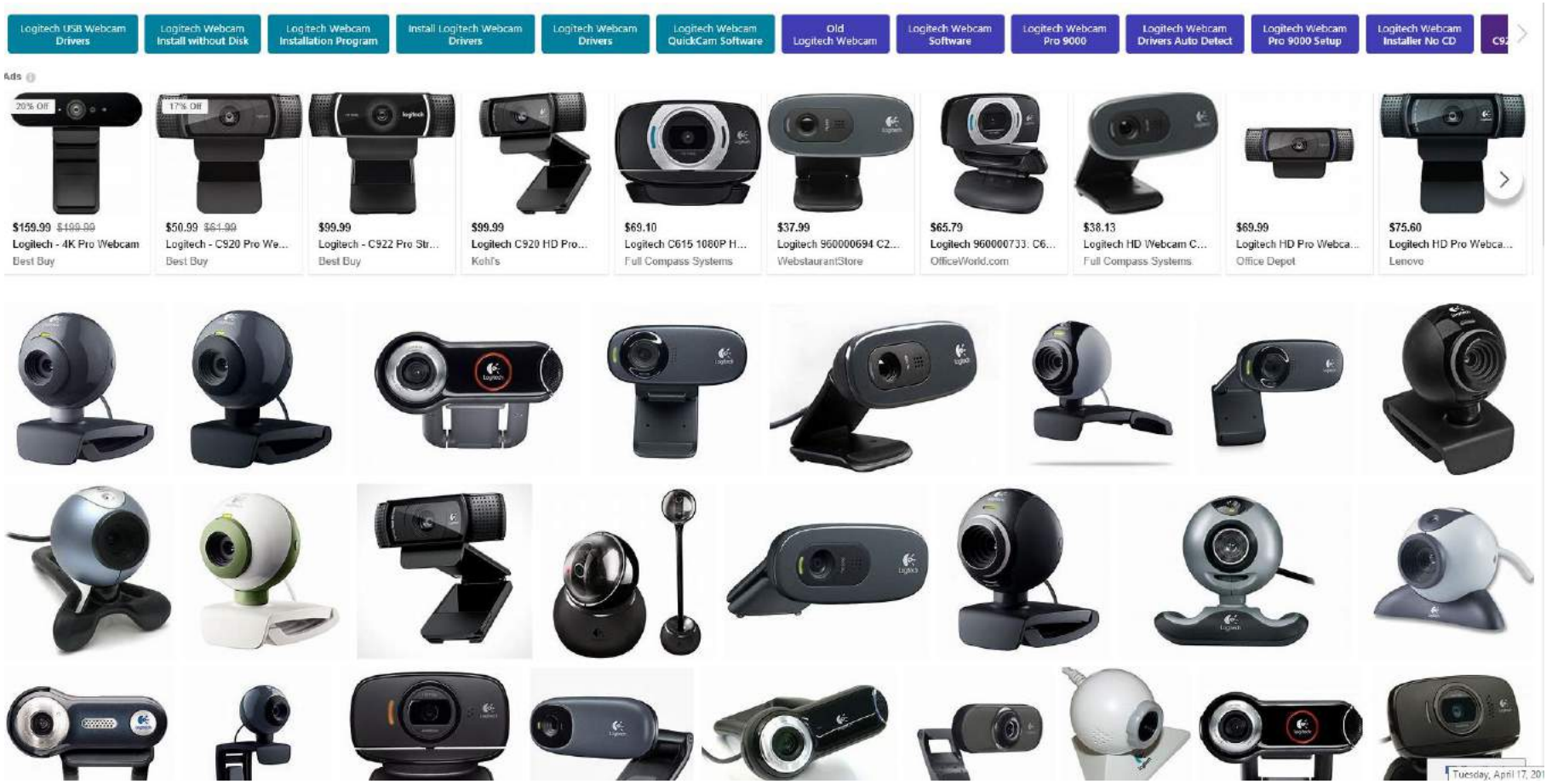
LogiTech



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Best Buy – Tripods for Web Cams, Tablets & Cellphones

JOBY - GripTight GorillaPod Stand Tripod for Select Cell Phones - Black

Model: JB01256 **SKU:** 9235047 4.3 (78) 1 Questions, 1 Answers

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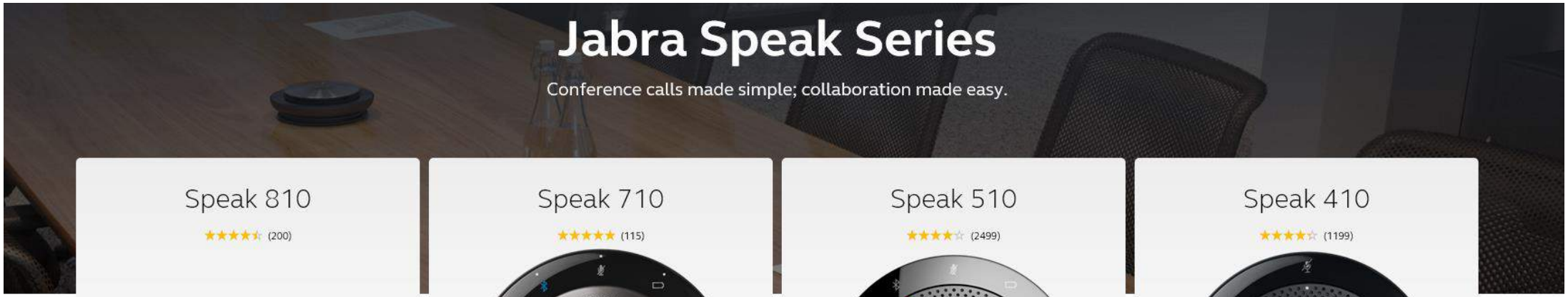
Echo Cancellation Microphones



Speak 810

★★★★½ (200)

From $599.00

- Meeting with up to 15 people
- Great for calls
- Stationary (USB & 3.5mm jack)
- Kensington Lock adaptor

Speak 710

★★★★★ (115)

From $299.00

- Meeting with up to 6 people
- Great for calls and music
- Portable (Wireless & USB)
- Up to 15 hours charge

Speak 510

★★★★☆ (2499)

From $149.00

- Meeting with up to 4 people
- Great for calls
- Portable (Wireless & USB)
- Up to 15 hours charge

Speak 410

★★★★☆ (1199)

From $129.99

- Meeting with up to 4 people
- Great for calls
- Stationary (USB)
- LED Indicators

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Headphones

- Jabra
- Plantronics
- JBL
- Great for private conversations!

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Video + Audio in one device

LogiTech CC3000e

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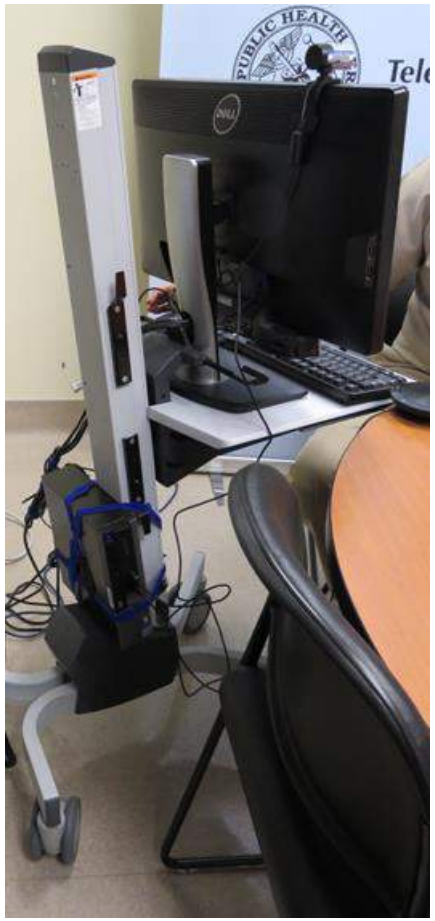
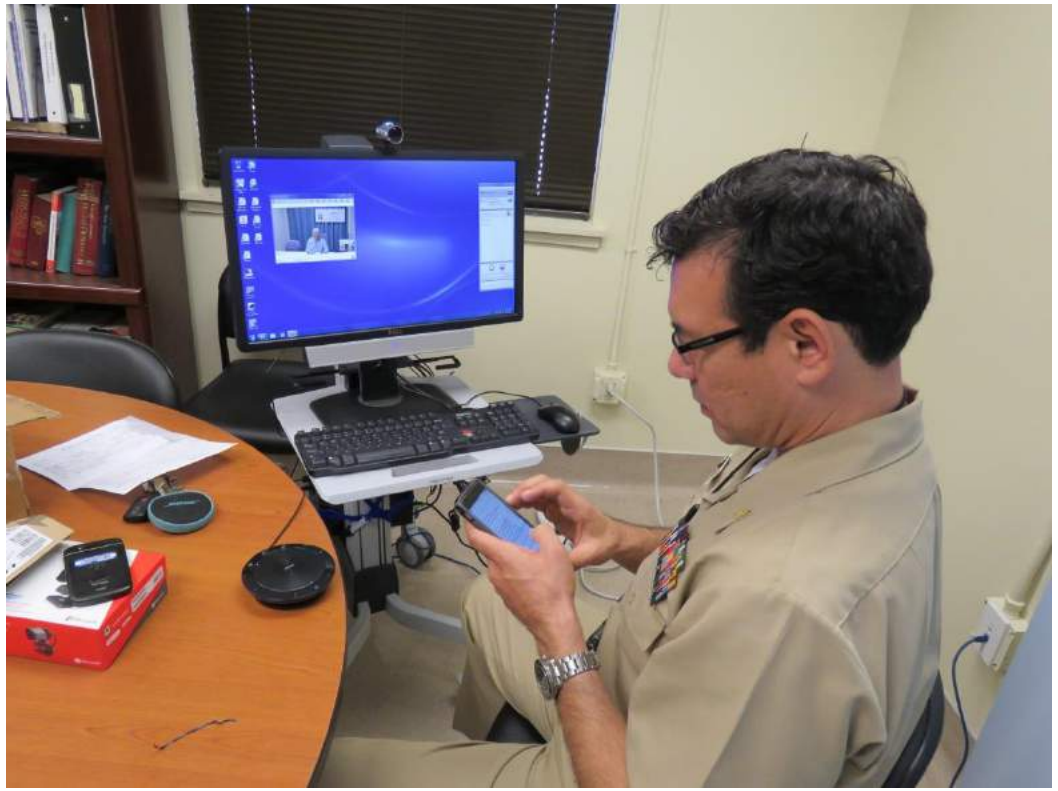
Sells IHS, AZ





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CARTS

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ViTel Net

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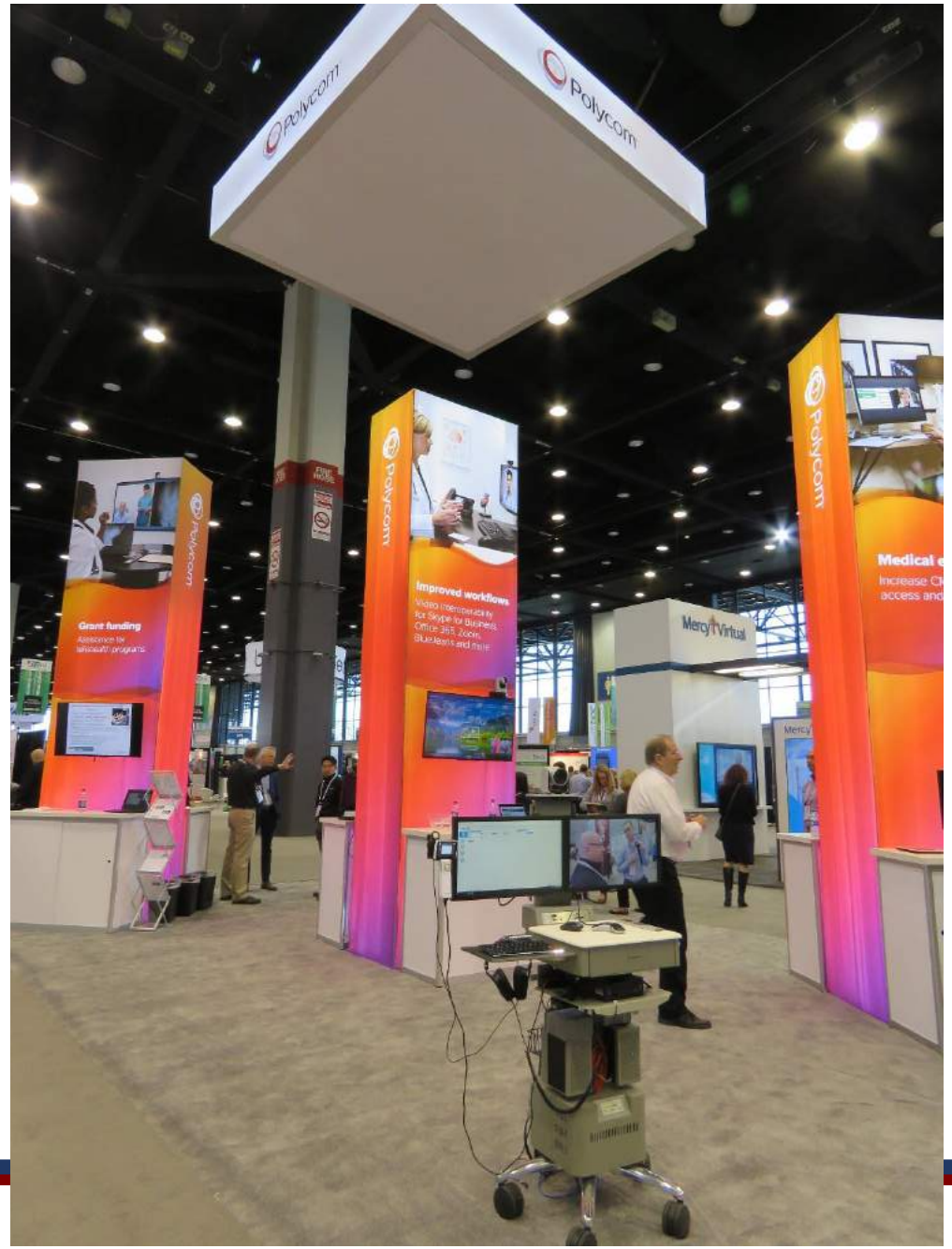

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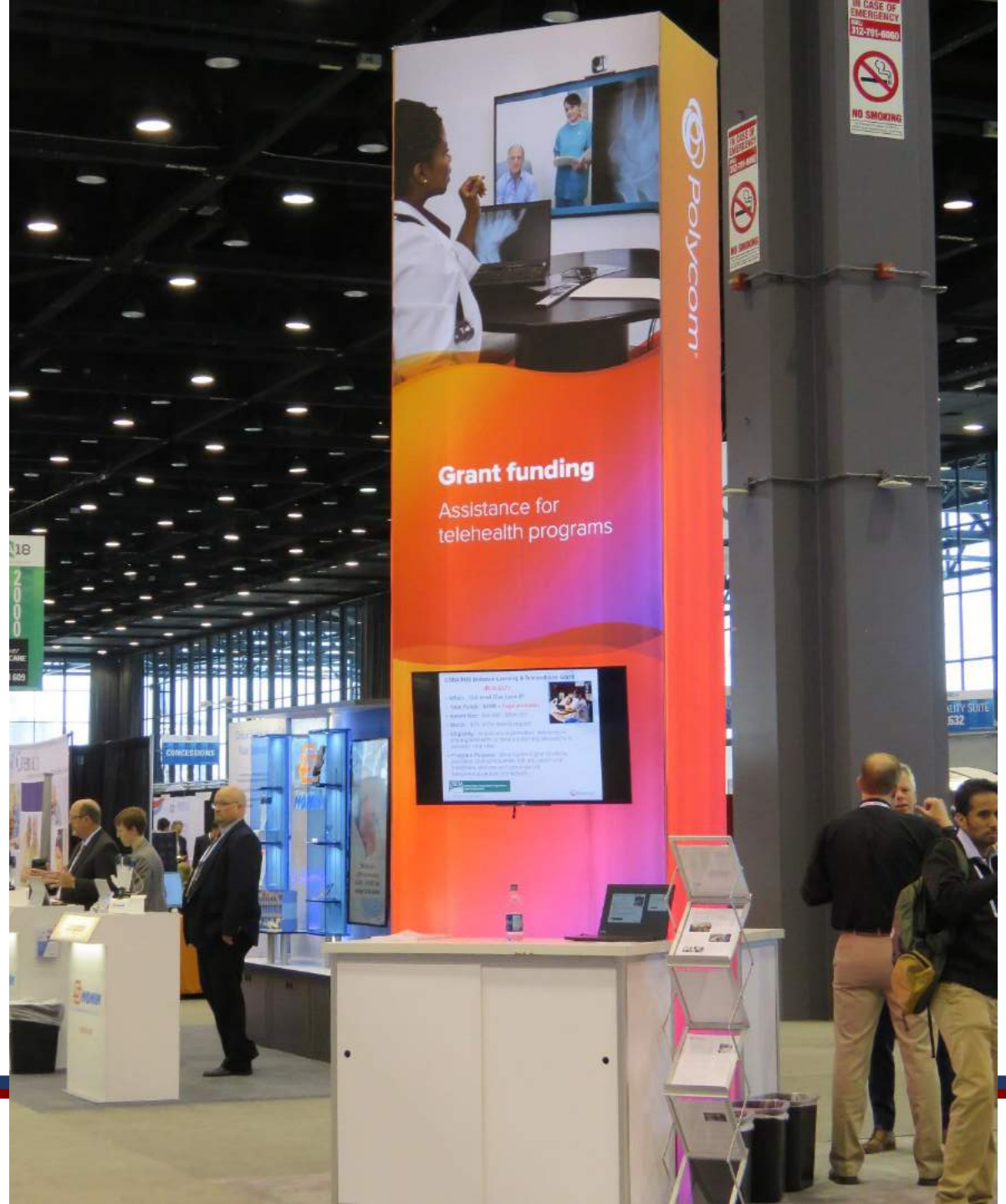
Polycom
Grant funding
Assistance for
telehealth programs
NO SMOKING
CONCESSIONS

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"Wall-DOC" from ATA 2014

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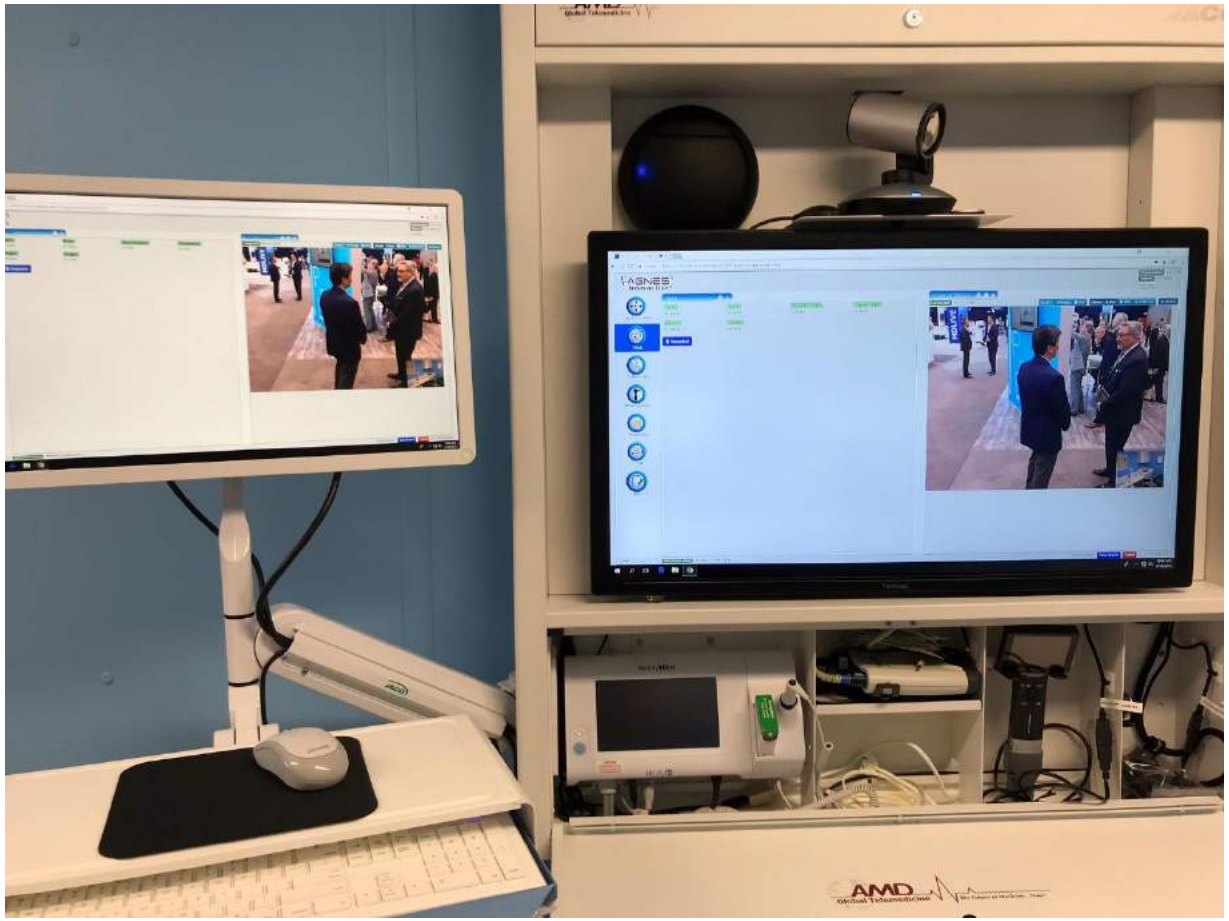
AMD



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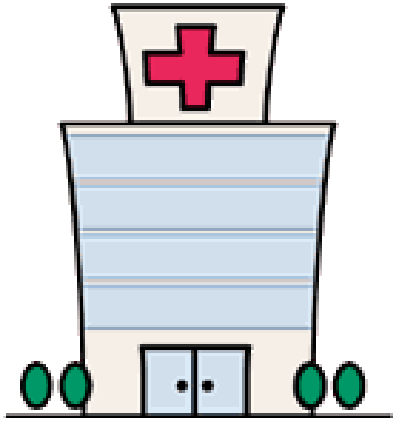
AMD

Telemed Box-to-go & to-go-where? And with WHO?



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Back Pack To Go

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IPads

UA Nursing Professor Receives Telemedicine Grant to Study Tablet Use by Home Hospice Patients to Communicate with On-Call Nurses

Arizona Telemedicine Program Equipment Grant to provide technology for real-time visualization between the nurse and the patient and their caregiver.

It's the middle of the night. An elderly man in end-stage heart failure receiving at-home hospice awakes gasping for breath. His caregiver immediately phones the on-call nurse, but the drive could take her 30 minutes or more. The caregiver is too afraid to take action on her own, so she anxiously awaits the nurse. As the minutes tick by, the man becomes increasingly distressed and the caregiver grows more upset.

Shortness of breath (also known as dyspnea) is a common challenge faced by caregivers and patients in home hospice, and the leading cause of admissions to the emergency room for hospice patients.

Interested in shortening the time it takes to alleviate patient symptoms and caregiver anxiety, **Kimberly Shea, PhD, RN**, assistant professor at the University of Arizona College of Nursing, conceived of using tablet technology with real-time visualization for patients and caregivers to communicate with on-call hospice nurses in urgent situations.

To support testing her idea, Dr. Shea recently was awarded a grant from the Arizona Telemedicine Program as part of its **Innovation Awards** for her project: "Real-Time Visualization for Reducing Symptom Severity in End-of-Life Care." The grant supports purchase of five iPad-minis with retina display.

"Previous studies evaluating tablet use in at-home hospice have been focused on overall quality of life and anxiety," said Dr. Shea, who has 15 years of experience as a home health/hospice nurse. "What makes my study different is I'm evaluating tablet use in urgent situations. Patient and/or caregiver anxiety can often lead to unnecessary emergency room admissions."

Each tablet will be equipped with real-time meeting software that allows the on-call nurse to immediately visualize important factors, such as a patient's positioning (lying down, sitting up) or breathing patterns and medications available. Accordingly, more individualized guidance can be given to the caregiver for intervening appropriately prior to nurse arrival.

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http://telemedicine.arizona.edu/blog/telehealth-valuable-addition-hands-comfort-care

Telehealth is a Valuable Addition to Hands-On 'Comfort Care'

By Kimberly Shea, Ph.D., RN on Oct 15, 2015

Dr. Shea consults with a remote hospice patient via telemedicine.

I am an assistant professor at the University of Arizona, College of Nursing, a full-time position that includes research in my chosen field of health care systems and informatics, in which I have a PhD.

I also work one day a week as a hospice nurse, providing palliative care, which is focused on comfort and quality of life for patients nearing the end of life.

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http://telemedicine.arizona.edu/blog/ua-researchers-using-telemedicine-tackle-asthma-tucson-school-children

UA Researchers Using Telemedicine to Tackle Asthma in Tucson School Children

By Jane Erikson on Oct 01, 2015

Dr. Conrad Clemens uses real-time video conferencing and digital stethoscope technology to evaluate a child's asthma.

Each weekday morning at 20 Tucson elementary schools, more than 260 children with asthma report to their school nurse or health aid. Each child is given their own corticosteroid inhaler, inhales the medication, then returns to class.

The children are part of a multi-year, NIH-funded study of an asthma prevention program that is school-based for a number of reasons. The study was launched in the fall of 2014 in 20 schools in the Tucson Unified School District (TUSD).

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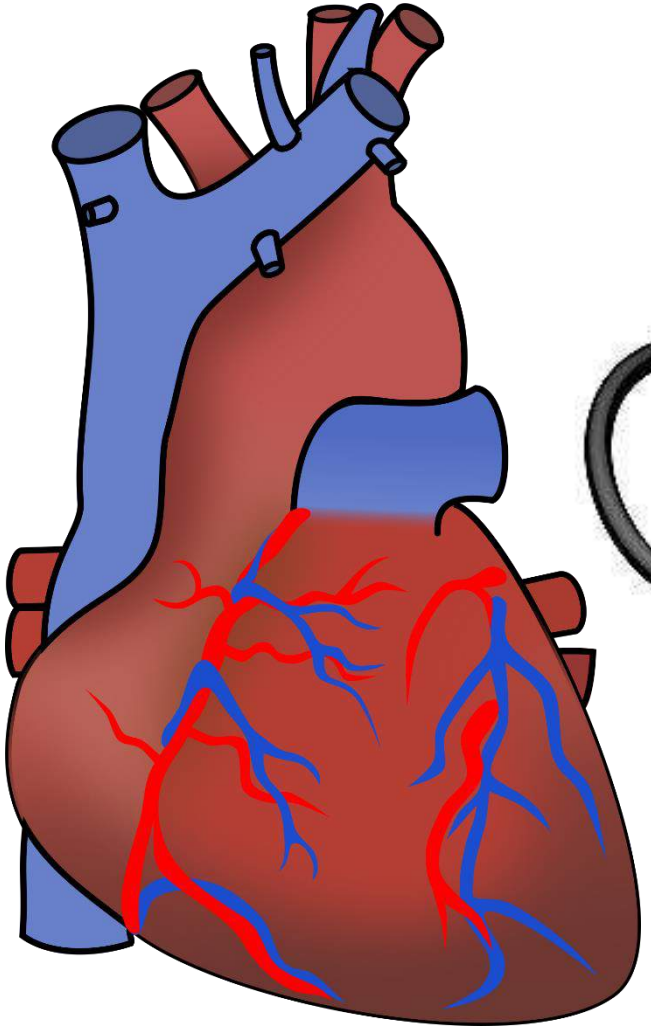

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Stethoscopes 2018

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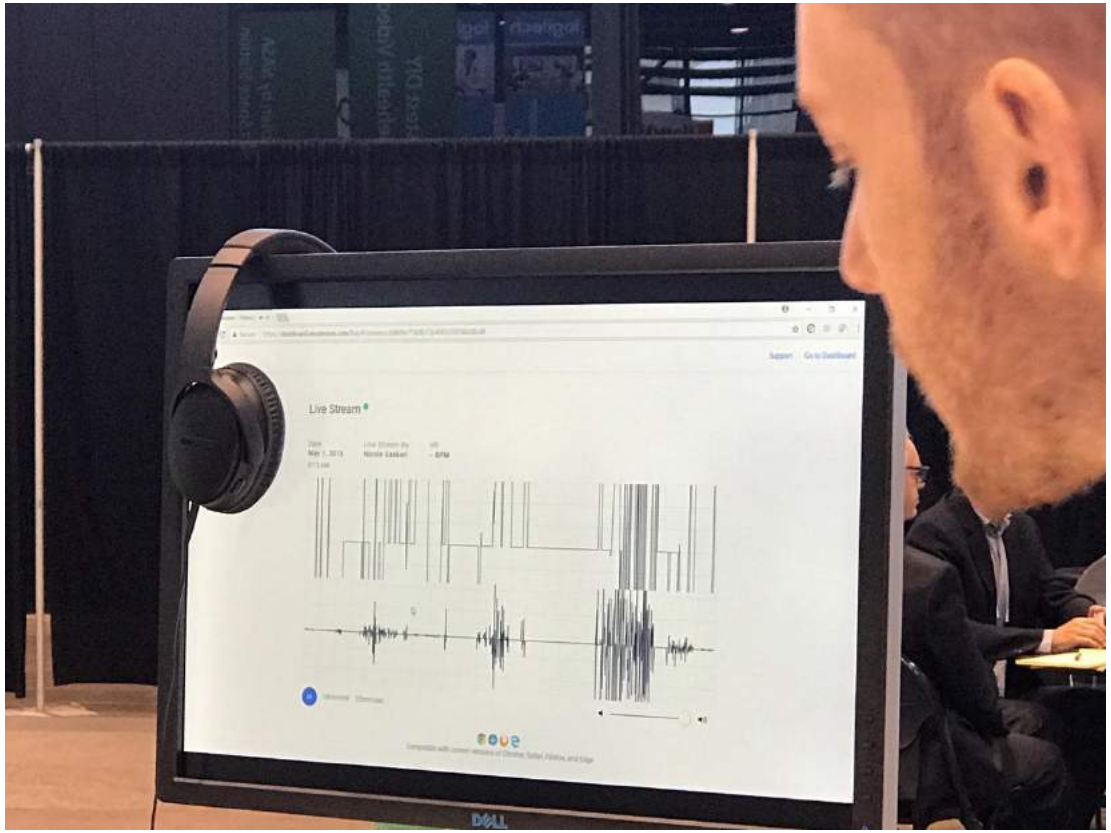

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Audio Processing Software

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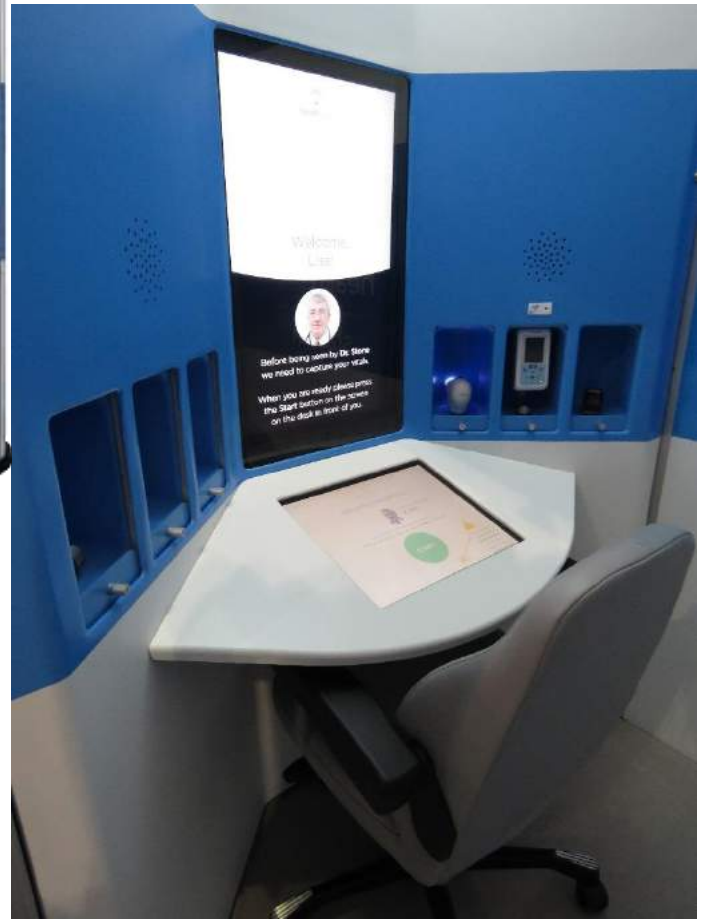
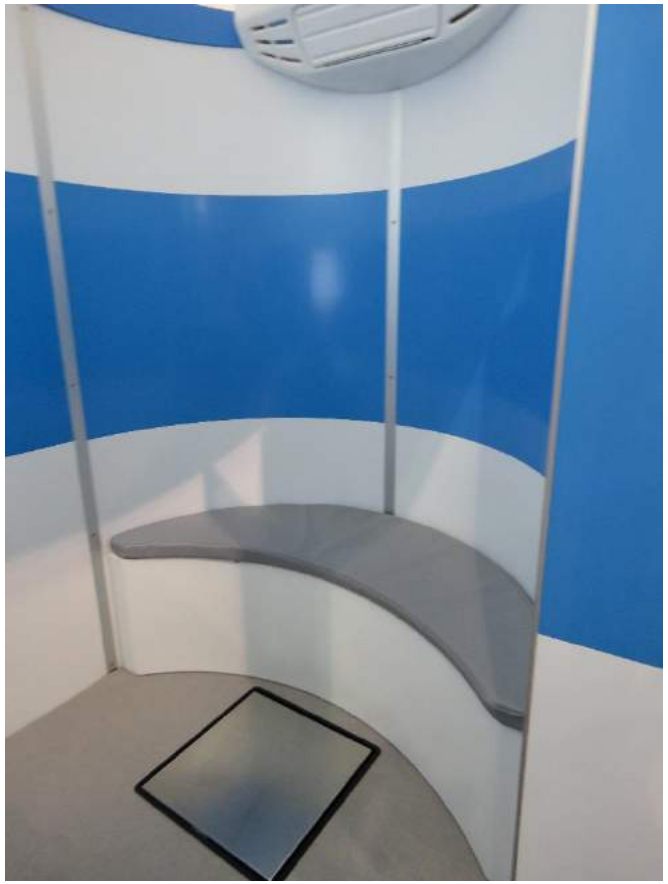
KIOSKS

2015





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ViTel Net Kiosk 2018

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ViTelNet
Health eKiosk

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2015

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Computerized Screening, Inc. (CSI)

Reno, NV
United States
http://www.computerizedscreening.com

CSI
Innovations in Personal Health Assessment

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Mobil Technology

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Interpretation Service Providers Telelanguage, Cloud Break, MCIS

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Eric S Yuan, Founder & CEO ZOOM

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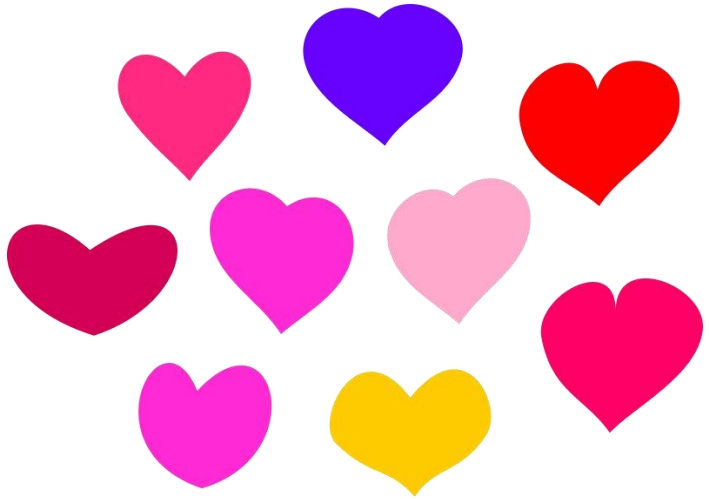
Robots



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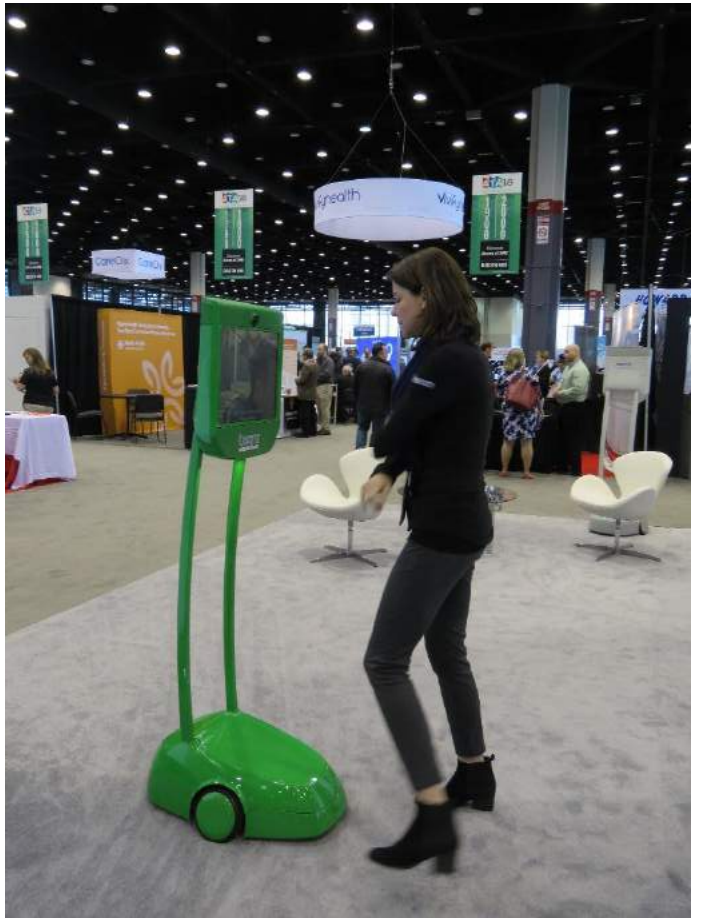

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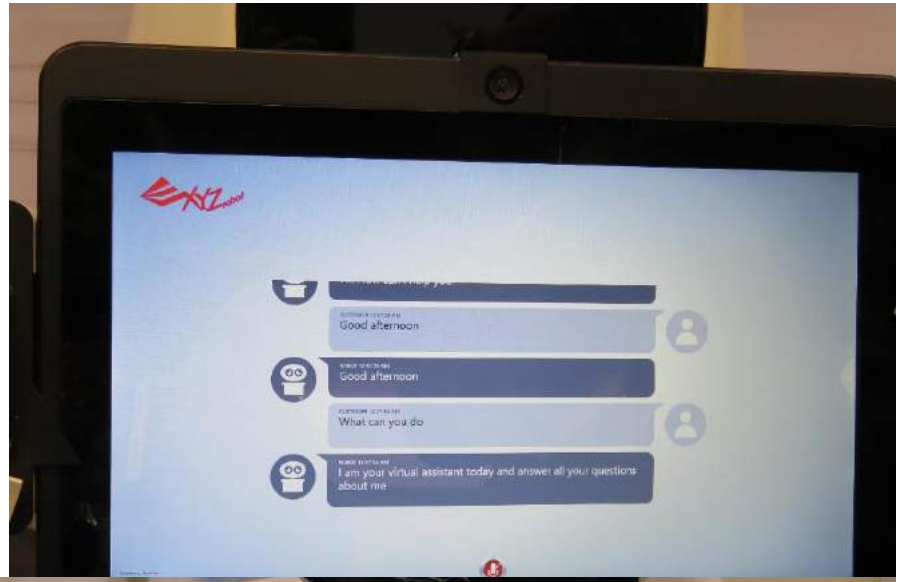

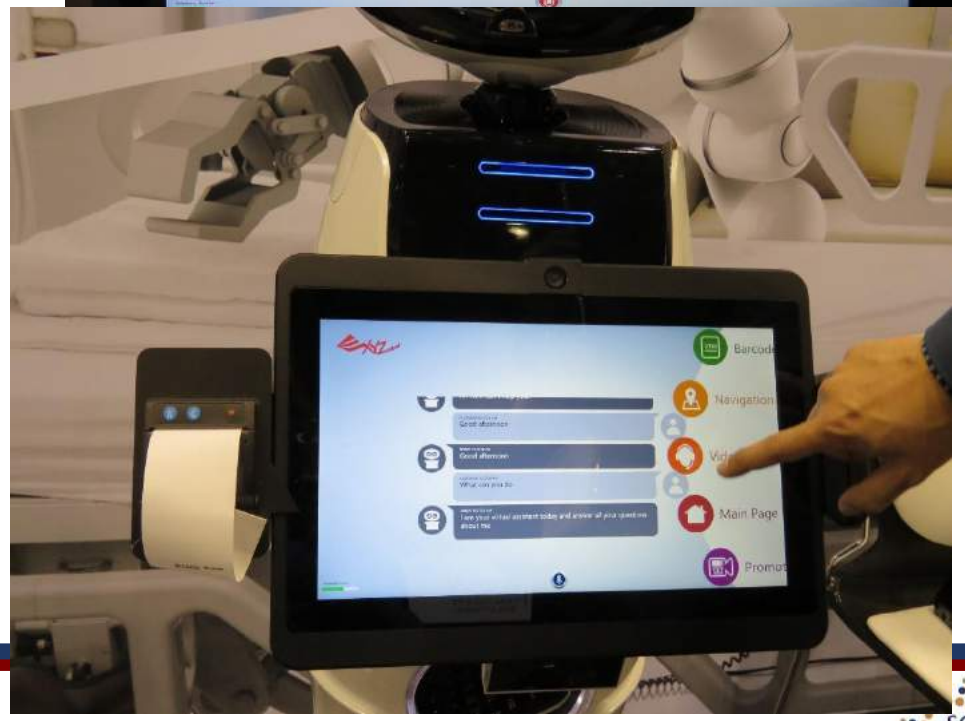

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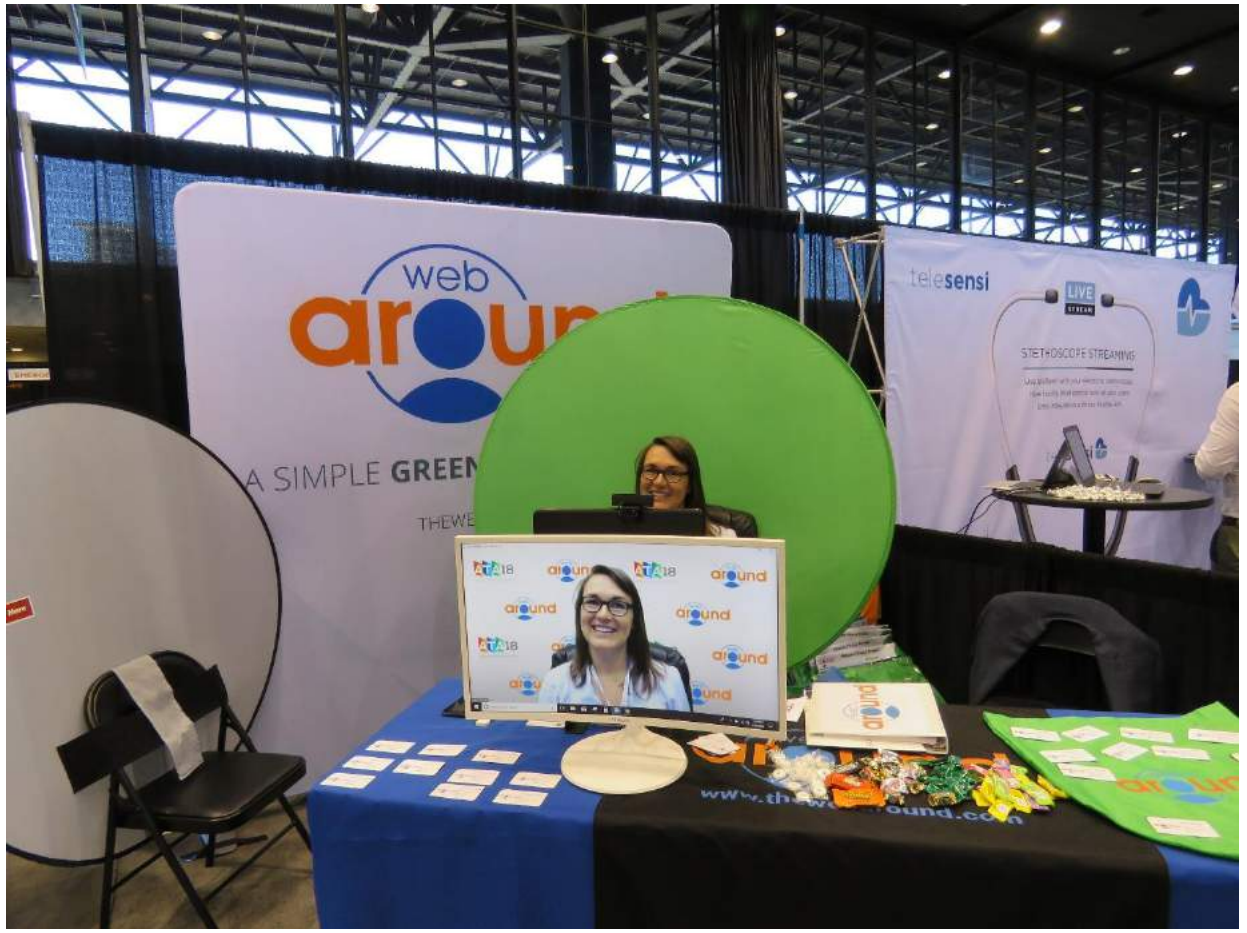
THEWEBAROUND.COM



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Bear the St. Bernadoodle @ATA 2016

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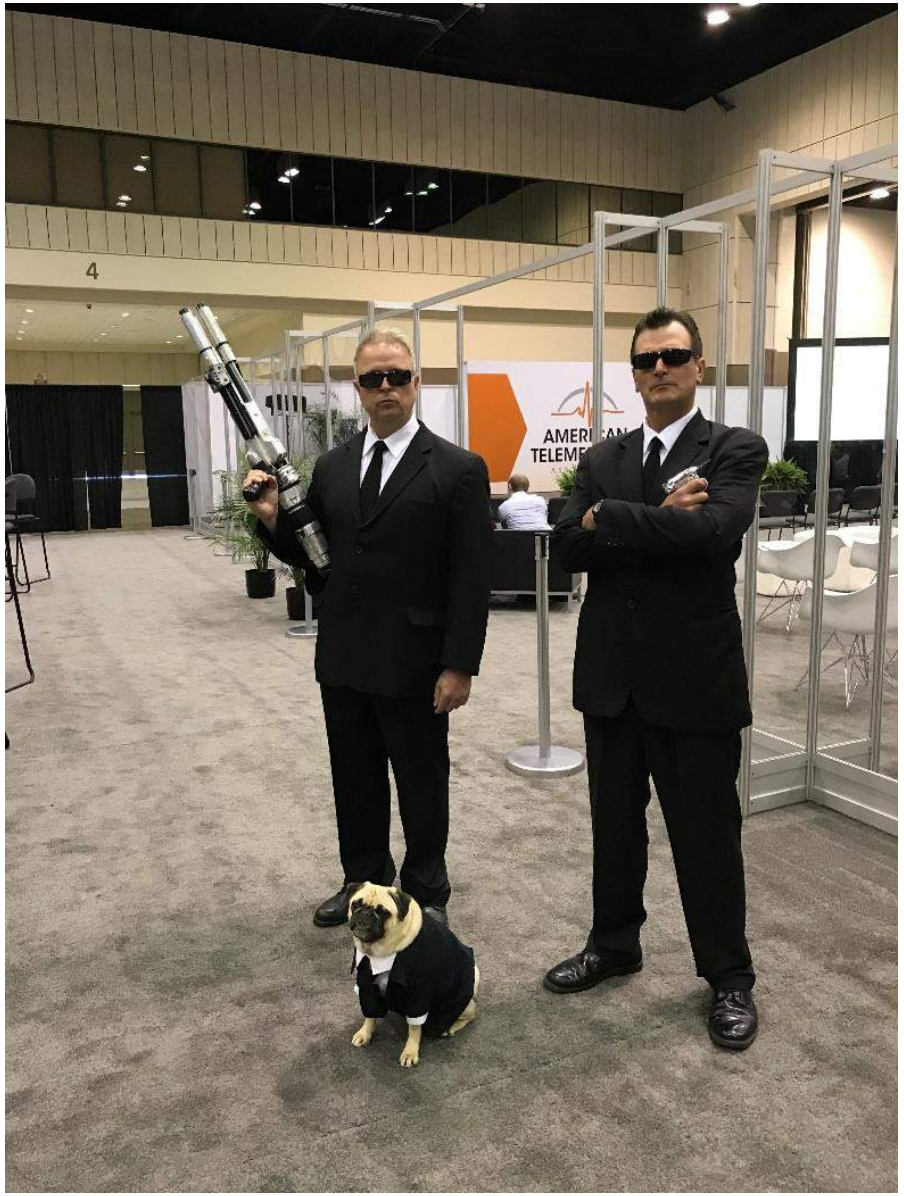
Frank 2017



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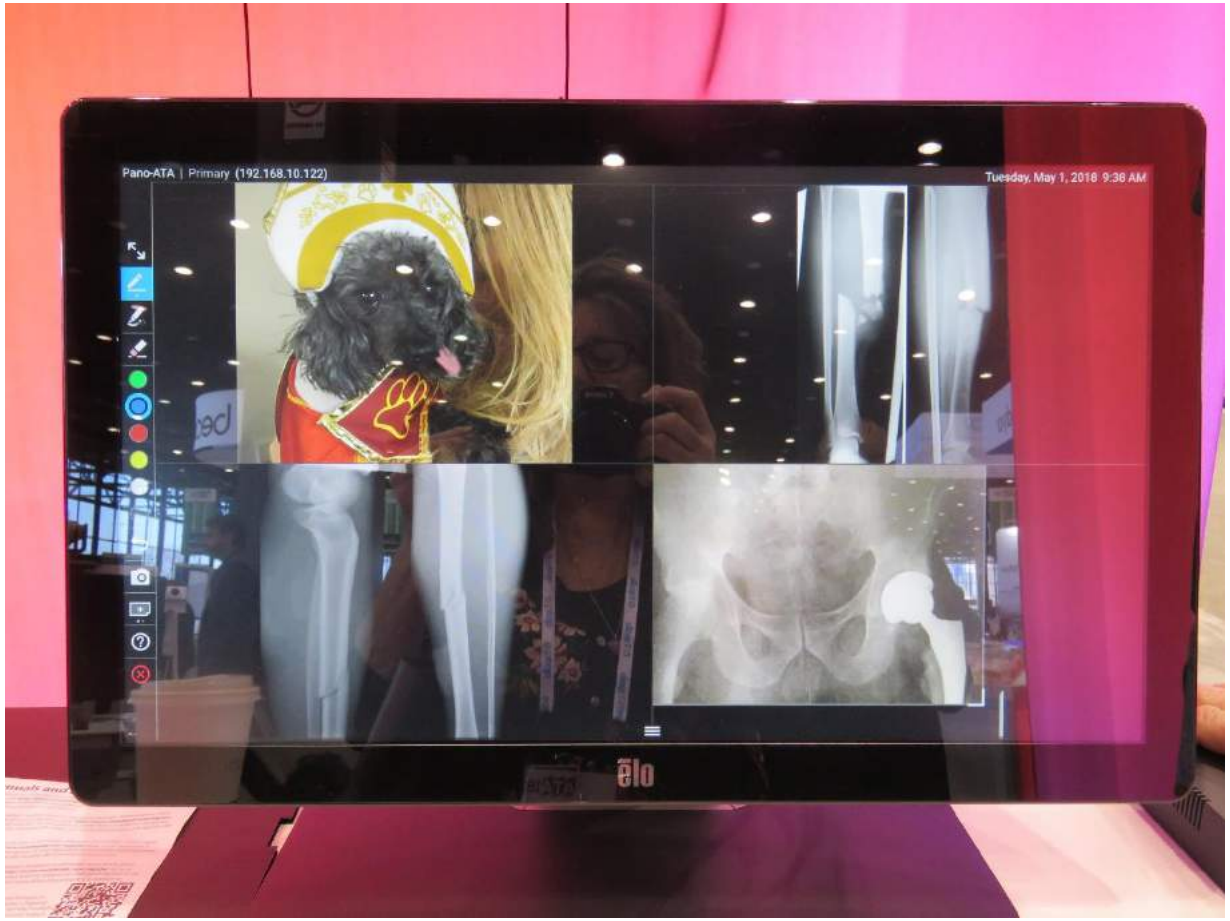
2018: Video Dog



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ATA2019
ANNUAL CONFERENCE AND EXPO

http://www.ata2019.org/

Together, we will design the future of modern healthcare.

At ATA2019, healthcare professionals and leaders from an array of healthcare and technology sectors unite as one, cohesive community. Attendees learn, innovate, network, and return to their organizations with actionable insights, long-lasting connections, and an enhanced appreciation of telehealth—and how it transforms the way we deliver healthcare.

Please save the date for ATA2019: April 14–16, 2019 in New Orleans. You have so many choices in terms of conferences: we want to make sure ATA2019 is at the top of your list.

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September 26 – 28, 2018
Austin, TX
https://ataedge.org/

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© 2017, Arizona Telemedicine Program

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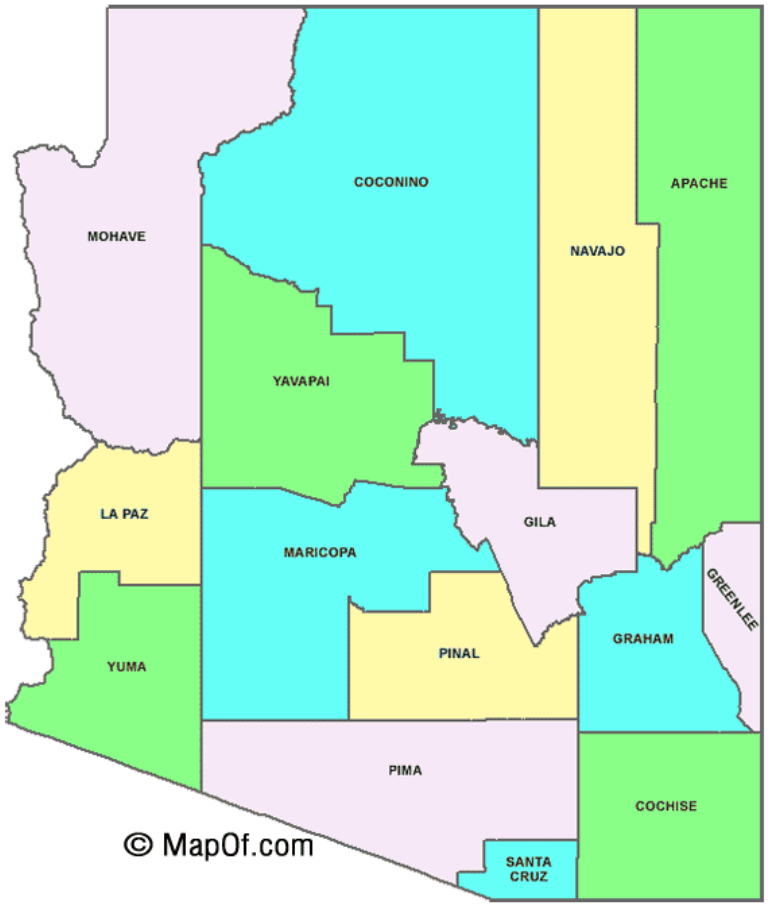

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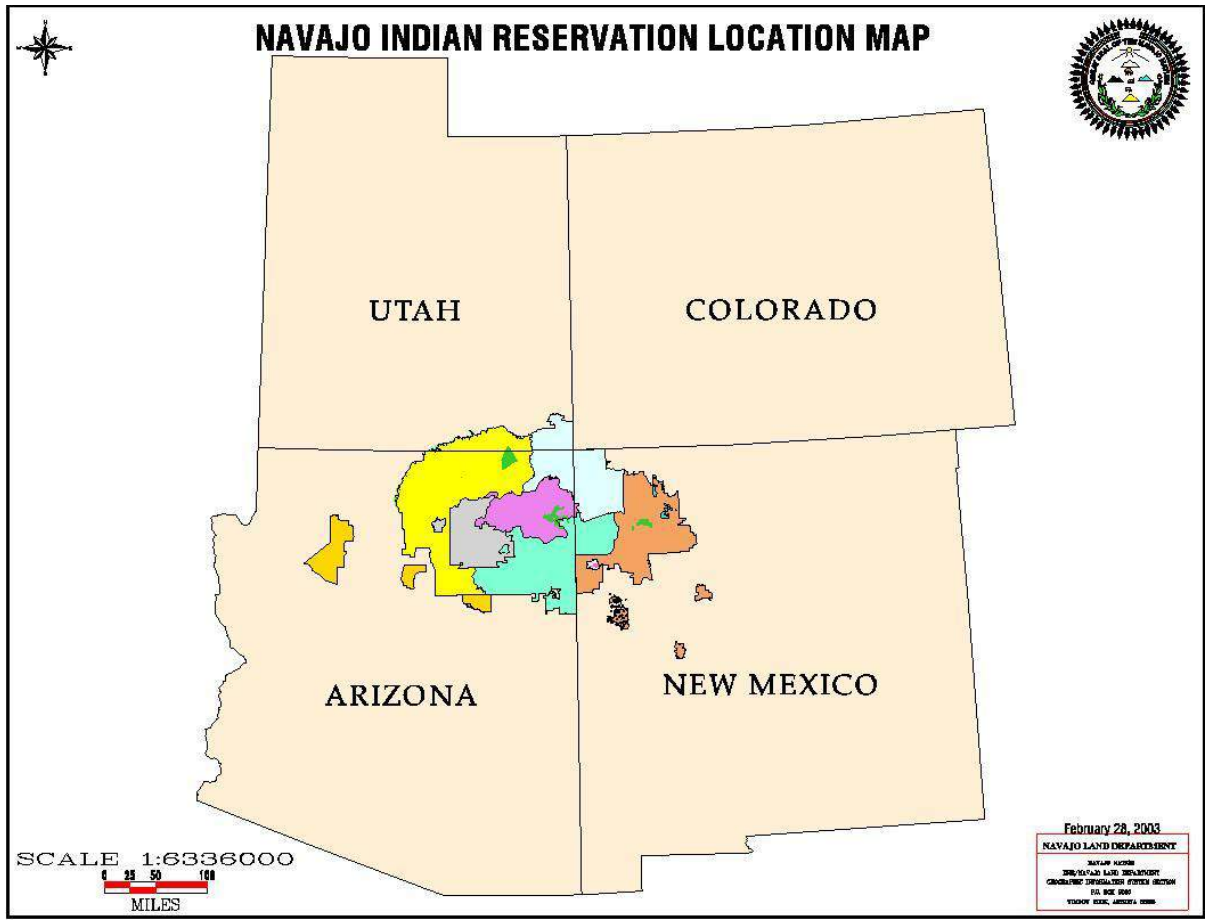

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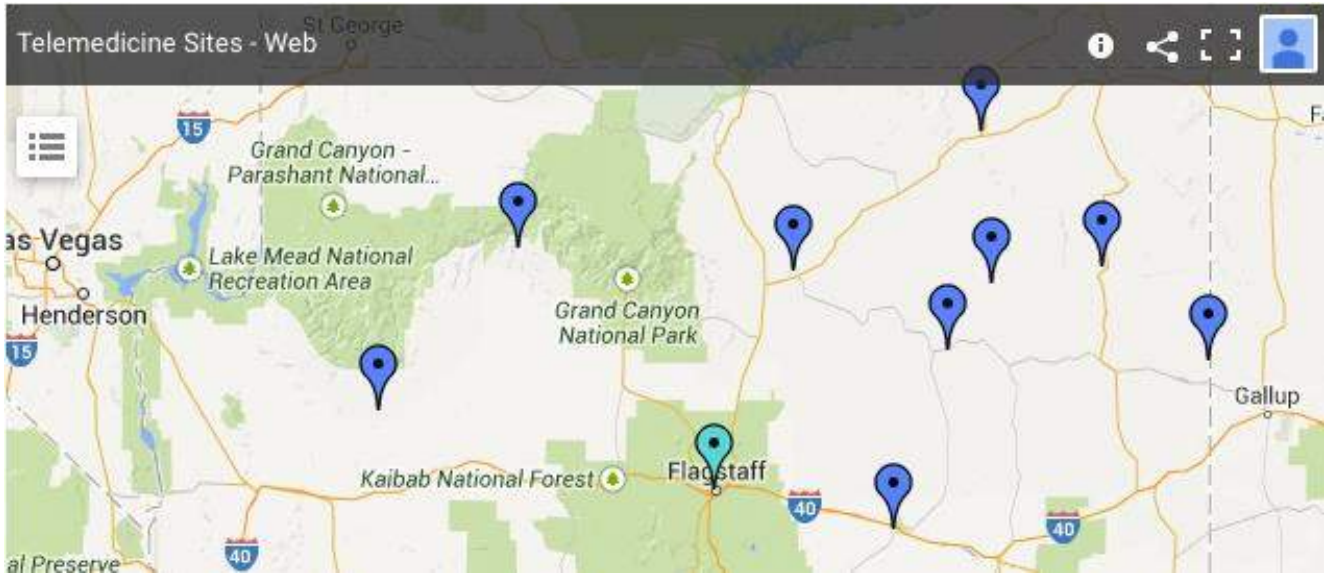
Flagstaff Medical Center
https://nahealth.com/telemedicine



Care Beyond Walls and Wires: In-home monitoring

Using remote monitoring tools, this program is designed to improve the quality of life for people with chronic health conditions, helping patients and families get the care they need without leaving home.

With daily access to information including blood pressure, weight and symptoms of illness, care teams and patients can co-manage treatment plans. It's also possible to detect changes in a patient's health status early on and intervene at the right time to avoid unnecessary travel and hospital care.

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“Care Beyond Walls and Wires”: In-Home Monitoring YouTube Videos @www.youtube.com

- https://www.youtube.com/watch?v=qHXGRDtdjuc

  Four Corners - Navajo Area
- https://www.youtube.com/watch?v=_4wvQbK_EPM

  Winslow, AZ

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danke
takk
u
ThankYou
mahalo
kiitos
dekuju
gracias
grazie
obrigado
merci
koszi
dank

ARIZONA TELEMEDICINE PROGRAM

jmajor@telemedicine.arizona.edu

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Mark Vanderwerf CEO Telehealth @Banner Health in Phoenix, AZ

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