

Southwest Telehealth Resource Center (SWTRC) Update

ARIZONA
TELEMEDICINE
PROGRAM



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SWTRC

HRSA

Health Resources & Services Administration

- Continuously funded since 2009
- Subsidiary of ATP
- Originally grant now cooperative agreement sustainability emphasis
- Periodic supplements with most recent for COVID response
- September 2021 most recent 3-year funding period
- 2024 added so next renewal for 2025 (likely 5 years)
- <https://southwesttrc.org/>



NATIONAL
TELEHEALTH
RESOURCE CENTER

Funded by the U.S. Health Resources and Services Administration (HRSA) The National Consortium of Telehealth Resource Centers (NCTRC) consists of 14 Telehealth Resource Centers (TRCs). As a consortium, the TRCs have an unparalleled amount of resources available to help virtual programs across the nation, especially within rural communities. Staffed with telehealth experts to who are available to provide guidance and gain more visibility and recognition in order to provide assistance for all.

Regionals

CTRC



capTRC

HTRC



MATRC

NETRC



NRTRC



PBTRC



SCTRC



SETRC



SWTRC



TexLa



UMTRC



Nationals

CCHP



TTAC



<https://telehealthresourcecenter.org/>

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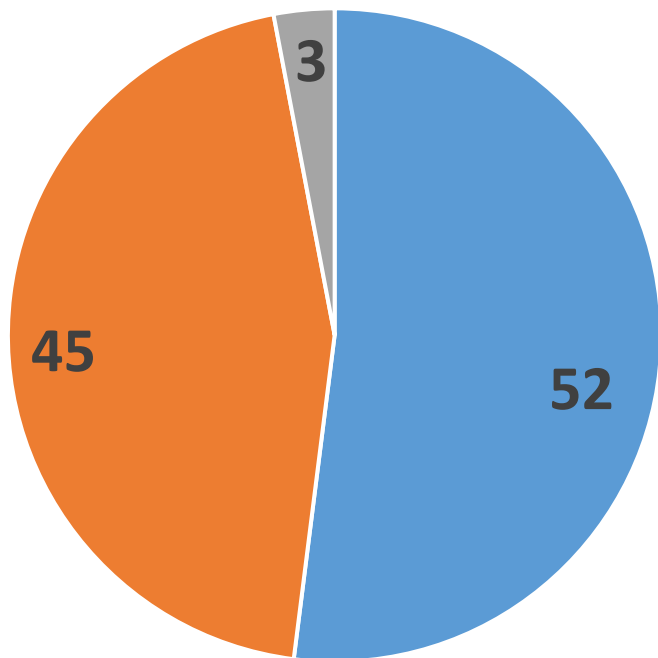
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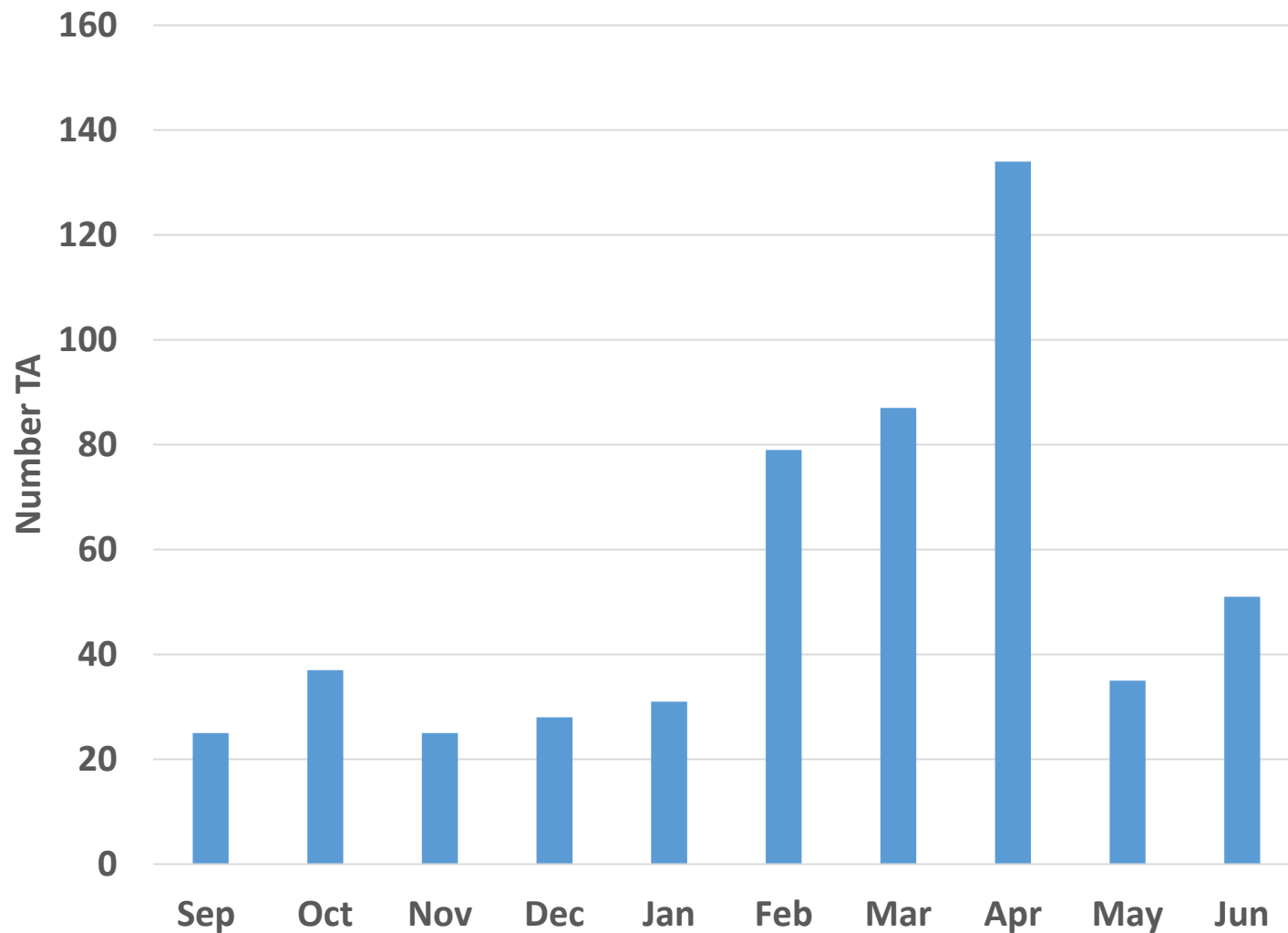
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■ SWTRC ■ Other US ■ International ■



Organization type	Organization type	Organization type
Academic institution = 95	Provider - PT/OT/SLP/Rehab services = 1	Govt - Veterans Affairs = 5
Healthcare Assns/Orgs/Foundations = 50	Clinic - FQHC/RHC = 23	Services - Billing/Coding = 2
Hospital - Other Hosp/Health System = 99	Insurers/Health Plans/Payers = 5	Govt - HRSA/Other Federal Agency = 1
Govt – Health Department = 18	Vendor – other = 14	Services – Consulting = 24
Vendor - Clinical Services = 24	Clinic - Other Primary Care = 32	Patient/Consumer/Advocacy Group = 4
Provider - Other Mental/Behav Health = 21	Hospital - Critical Access Hospital (CAH) = 1	Clinic - Mental Health/CMHC = 8
Vendor – Technology = 12	TRC = 7	Services – legal = 3
Clinic - Other Primary Care = 2	Vendor – Telecomm = 1	Press/media = 2
Other = 21	General Public = 1	Hospital - Rural PPS Hospital = 1
Govt – other = 33	Public Health = 2	Clinic/School Clinic/School/District = 1
Govt - Native/Tribal = 16	Govt – SORH = 1	AHEC = 1
Provider - Primary Care/Specialty/Other Medical = 13	Provider - Other Outpatient Healthcare Provider/Private Practice = 17	Pharm = 5

TA Topic	TA Topic	TA Topic
About my TRC = 348	Tools/templates = 38	Readiness assessment = 5
General info = 307	Strategic planning = 46	ECHO = 2
Distance ed/training = 246	Financial/billing = 83	Research = 2
Legal/policy = 92	Clinical = 51	MH/BH = 12
Market analysis = 56	COVID = 10	Broadband = 66
Technology = 68	Evaluation = 25	

Blogs

- 21 blogs
 - Send >4000/blog with ~40% open rate
 - <https://southwesttrc.org/index.php/blog>



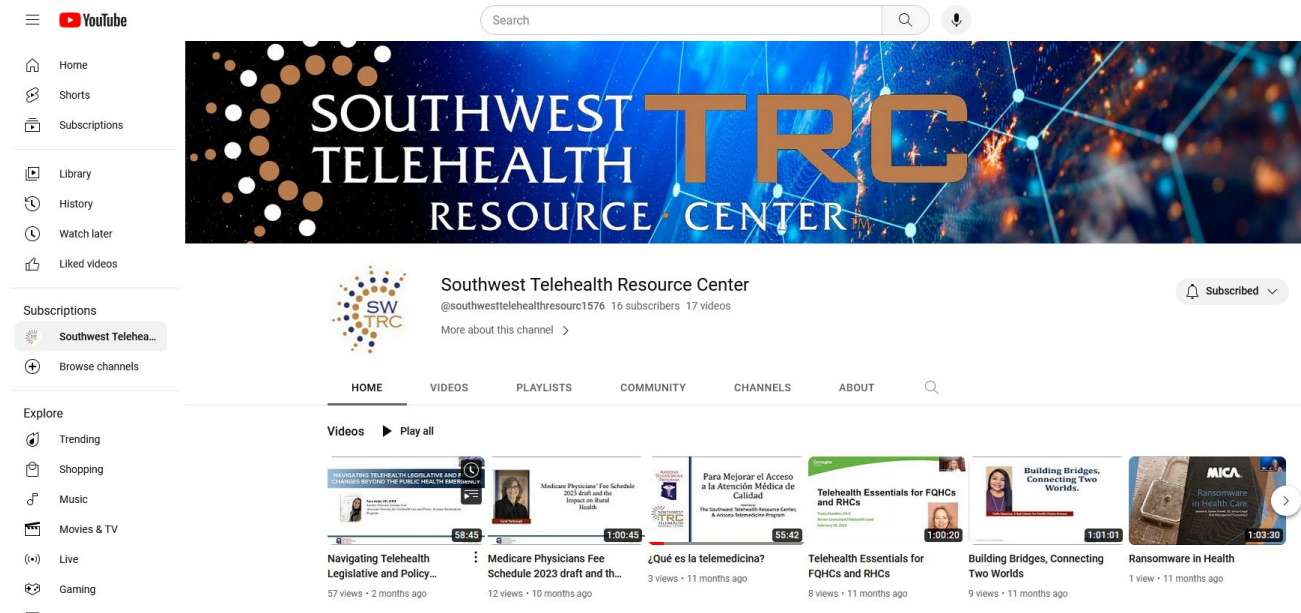
New Mexico telehealth partnership allows newborns in critical care to stay close to home
By Mari Herreras on Jun 15, 2023



Supporters of new Arizona telemedicine law say pets will receive greater access to care
By Mari Herreras on May 25, 2023

Webinars

- 32 webinars <https://telemedicine.arizona.edu/webinar>
- Several partners (e.g., HRSA, NRHA, AzCRH, NAU, ADHS)
- Ave 227 register & 131 attend (~58%)
- <https://telemedicine.arizona.edu/webinars/previous>

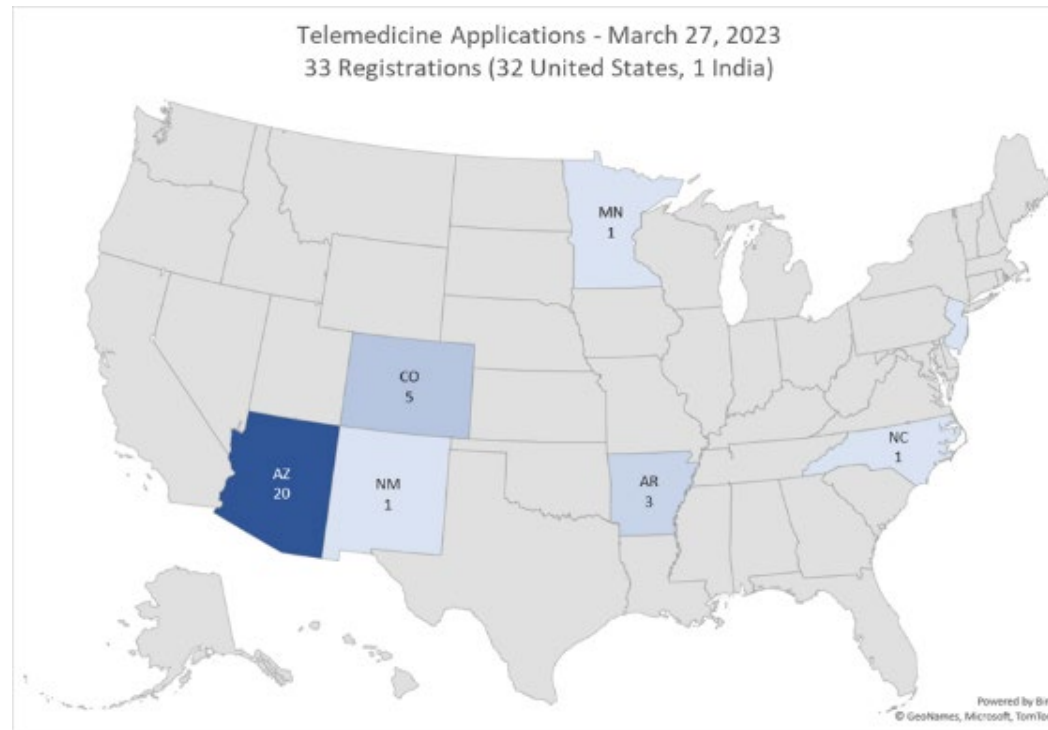


Website

- # pageviews SWTRC Website = 18,956
- # pageviews Service Provider Directory webpage = 18,586
- # pageviews SWTRC Resources = 3,490
- # pageviews SWTRC On-line Modules = 690
- # views Previous Webinars = 3,838.
- Updated Service Provider Directory to include “Tribal Agency” as customer type
 - Has grown from 197 to 209 companies
 - 60% updated during this funding period
 - Averaged 2,157 views per month

Training

- **Telemedicine Applications & Developing a TM Program**
 - CME available
 - Tucson & Phoenix sites ~20 attendees/event



Website Additions

Digital Health Navigators

Digital Health Navigators are individuals who address the whole digital inclusion process — connectivity, devices, and digital skills — to support community members and provide access to healthcare. The digital health navigator model draws from volunteers, librarians, social services or healthcare staff who offer remote and in-person guidance.

[Telehealth Navigator Program Ups Video Visit Adherence in Primary Care](#)

[Link Health: Leveraging the health sector to connect patients to the Affordable Connectivity Program](#)

[Telehealth Readiness: Developing Northstar's Digital Literacy Assessment](#)

[Patient Engagement HIT: Is the Digital Divide the Newest Social Determinant of Health?](#)

The US Department of Education funded RTI International to develop Building the Technology Ecosystem for Correctional Education: [Brief and Discussion Guide](#)

Digital Privacy / Security Resources

[Tips to protect electronic health data](#)

[Your Health Data and HIPAA](#)

[Health Data Confidentiality Requires Health Information Literacy](#)

Quality Improvement and Quality Assurance



[Continuous Quality Improvement Worksheet](#)



[PDSA Worksheet](#)



[Telehealth Measures Starter Set](#)

Comagine (Trudy Bearden, PA-C, MPAS)

Publications

- Baker MC, King SL, Sikka N, **Krupinski EA**, Shipman SA, Haberman M. (2022). Trends in adoption and maturation of telehealth programs at teaching hospitals and health systems. *Telemed eHealth*, 28, 517-525.
- Demaerschalk BM, Hollander JE, **Krupinski E**, Scott J, Albert D, Bobokalonova Z, Bolster M, Chan A, Christopherson L, Coffey JD, Edgman-Levitan S. (2023). Quality Frameworks for Virtual Care: Expert Panel Recommendations. *Mayo Clinic Proceedings: Innovations, Quality & Outcomes*, 7(1), pp.31-44.
- Hilty DM, Armstrong CM, Smout SA, Crawford A, Maheu MM, Drude KP, Chan S, Yellowlees PM, **Krupinski EA**. (2022). Findings and guidelines on provider technology fatigue and well-being: scoping review. *J Med Internet Res*, 24, e34451.
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- **Sklar T**, Huber K. (2023). Digitally Enabled Medicaid Home and Community-Based Services. *Digitally Enabled Medicaid Home and Community-Based Services, in DIAGNOSING IN THE HOME, I. Glenn Cohen, et al., eds., Cambridge University Press (forthcoming 2023), Arizona Legal Studies Discussion Paper 23-11.*
- **Sklar T**. Health Law: Equity is Inextricably Linked to Health Care. *Sklar, Tara, Health Law: Equity is Inextricably Linked to Health Care, in The Jurisprudential Legacy of Justice Ruth Bader Ginsburg 207 (2023).*
- Sodhi N, **Weinstein RS**, **Stewart K**, Doarn CR. (2022). Analysis of telehealth versus telemedicine terminology in the telemedicine and e-Health journal between 2010 and 2020. *Telemedicine and e-Health*, 28(12), pp.1861-1865.
- **Krupinski EA**. (2023). April. Translating computational innovations into reality: focus on the users!. In *Medical Imaging 2023: Digital and Computational Pathology* (Vol. 12471, pp. 187-193). SPIE.
- Martin JG, Fimbres DCP, Wang S, Wang J, **Krupinski E**, Frigini LA. (2022). Prevalence of Novel Pedagogical Methods in the Radiology Education of Medical Students. *Southern Medical Journal*, 115(12), pp.874-879.
- Rheuban KS, Marx E, Haas L, **Krupinski EA**, Solad Y, Goldenkranz S, Addo G. (2022). 10. Inclusive Innovation, 119. *Telehealth-E-Book: Incorporating Interprofessional Practice for Healthcare Professionals in the 21st Century*, p.51
- Krupinski EA. Technology's role in establishing rapport in telehealth encounters. (Telehealth Certification Institute Blog)

July, 2023: Update on NTIA and USDA Broadband Infrastructure Funding



SWTRC NEWSLETTER - JULY 2023

Bringing you up-to-date telehealth information resources on the Southwest region and the USA

Regional Update on federal grants focused on national, state and community broadband and internet connectivity

The National Telecommunications and Information Administration (NTIA) recently announced \$930 million in funding for middle-mile broadband. The 35 projects encompass 350 counties distributed across 35 states, including Puerto Rico. The allocation of \$930 million in federal funds accounts for approximately fifty percent of the total project costs, estimated at \$1,778,482 billion. The NTIA also announced \$42.45 billion in Broadband Equity, Access, and Deployment (BEAD) program funding allocations to states and territories to increase access to affordable high-speed internet. The United States Department of Agriculture (USDA) also recently announced funding for its Rural Development ReConnect programs to serve rural community economic development projects around broadband and connectivity.

State allocations and awardees of these grants located in Southwest TRC's region are highlighted below:

	<p>NTIA Enabling Middle Mile Broadband Infrastructure Program Pima County Regional Middle Mile Fiber Optic Ring \$43,283,954 total cost of project \$30,281,277 federal funding request</p> <p>Purpose: The purpose of the Pima County Regional Middle Mile Fiber Optic Ring is to ensure that affordable, reliable, and accessible high-speed broadband services can be provided to as many communities, county and local facilities, anchor institutions and recreational areas as possible. The proposed project will create a 134-mile contiguous open access fiber network ring. The infrastructure will be made available to all viable internet service providers (ISPs) and other government entities to lease, share or swap resources. This future proof design has the capacity to accommodate expansive growth in the region. The network is designed in a ring surrounding the outer area of greater Tucson, Arizona and surrounding rural communities. The proposed middle mile network path connects to four Central Office facilities. These four Tier 1 connections provide a link to the backbone of the public internet with physical interconnections for the exchange of traffic. The proposed middle mile infrastructure will reduce the cost for last mile providers to connect unserved and underserved communities by providing a neutral network that last mile providers can access in a non-discriminatory open access model. NTIA BEAD Program: \$993,112,231</p> <p>USDA Rural Development ReConnect Grants South Central Utah Telephone Association Inc. \$3,485,976</p> <p>This Rural Development investment will be used to deploy a fiber-to-the premises network to provide high-speed internet. This network will benefit 24 people and one farm in Coconino County in Arizona. South Central Utah Telephone Association Inc. will make high-speed internet affordable by participating in the Federal Communications Commission's Affordable Connectivity Program (FCCs-ACP).</p> <p>Colorado River Indian Tribes \$25,000,000</p> <p>This Rural Development investment will be used to deploy a fiber-to-the premises network to provide high-speed internet. This network will benefit 1,946 people, 41 businesses, three farms and four educational facilities in La Paz County in Arizona. Colorado River Indian Tribes will make high-speed internet affordable by participating in the FCCs-ACP. This project will serve the Colorado River Indian Reservation and socially vulnerable communities in La Paz County.</p>
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	<p>NTIA Enabling Middle Mile Broadband Infrastructure Program Pueblo Middle Mile Project \$4,631,407 total cost of project \$2,710,971 federal funding request</p> <p>Purpose: The purpose of the Pueblo Middle Mile Project is to fund 78,129 feet of aerial and 29,173 feet of underground fiber to provide a protected ring from the Pueblo datacenter to six remote Colorado cabinets. This will lead to a last mile project that will connect 41,074 homes and small businesses. The double ring network created in this project will prevent single points of failure across the proposed broadband network. NTIA BEAD Program: \$826,522,650</p>
	<p>NTIA Enabling Middle Mile Broadband Infrastructure Program Eastern Nevada Middle Mile fiber network \$87,094,919 cost of project \$43,547,459 federal funding request</p> <p>Purpose: The proposed Eastern Nevada Middle Mile fiber network, a 431-mile open-access middle-mile fiber optic network running north to south along US 93, is intended to improve regional network redundancy and resiliency for networks that serve last-mile residential areas, the government and anchor institutions by completing a statewide fiber ring. Operated on a non-discriminatory basis, the network will support interconnections with any provider seeking access to deliver last-mile broadband services. NTIA BEAD Program: \$416,666,230</p>
	<p>New Mexico NTIA BEAD Program: \$675,372,312 USDA Rural Development ReConnect Loan and Grant Combination \$21,665,524 Grant \$21,665,524 Loan Panhandle Telephone Cooperative Inc.</p> <p>Purpose: This Rural Development investment will be used to deploy a fiber-to-the premises network to provide high-speed internet. This network will benefit 1,284 people, 36 businesses, 696 farms and three educational facilities in Beaver and Cimarron counties in Oklahoma and Union County in New Mexico. Panhandle Telephone Cooperative, Inc. will make high-speed internet affordable by participating in the FCCs-ACP and Lifeline Programs.</p>

RESOURCES:

[Biden-Harris Administration Announces State Allocations for \\$42.45 Billion High-Speed Internet Grant Program as Part of Investing in America Agenda](#)

[NTIA Enabling Middle Mile Broadband Infrastructure Program](#)

[USDA Rural Development ReConnect Round 4 Awards](#)

[The Southwest Telehealth Resource Center](#) serves Arizona, Colorado, Nevada, New Mexico and the Four Corners Region.

See the [SWTRC blog](#) for original, timely, and interesting content about telemedicine and telehealth

Visit SouthwestTRC.org for telehealth [toolkits](#), [resources](#) and to [contact us!](#)

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Updated: 06/30/2022, 9/30/2022,
12/30/2022, 3/31/2023, 6/30/2023

Prepared for:
Southwest Telehealth Resource Center

Virtual Visit & Reimbursement Guide Arizona

Brought to you by:



Partnered with:



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- [Evisit](#)
- [Virtual Check Ins](#)
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[Payor Matrix](#)

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[Cost Sharing Waivers](#)

[Telehealth Guidelines By Facility Type](#)

- [Rural Health Clinics/FQHC](#)

[HIPAA Compliant Software](#)

[References and Resources](#)

PARTNERS

2022

Become a Partner →

TAW 2022 Endorsing Partners

The Endorsing Partners of TAW share a commitment to expanding education around virtual care and supporting access to telehealth for all patients and healthcare providers nationwide.

Telehealth Awareness Week September 17-23, 2023

TAW 2022 Media Partners

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Virtual Care Symposium: Demystifying Clinical Appropriateness in Virtual Care and What's Ahead for Pay Parity

- November 8, 2022
1:00 pm – 5:00 pm EST
- 10:00 am – 2:00 pm PST

Achieving Digital Health Equity by Personalizing the Patient Experience

Priya Bathija, Elizabeth A. Krupinski  , Jorge A. Rodriguez, and Tara Sklar

Published Online: 27 Jun 2023 | <https://doi.org/10.1089/tmr.2023.0018>

Telemedicine Reports



The Official Research Journal

Lifest-OpenAccess



Mary Ann Liebert, Inc. publishers
www.liebertpub.com/tmj



Society for Education and the Advancement of Research in Connected Health

SEARCH 2023

The National Telehealth Research Symposium

November 7-9 | Philadelphia, PA

<https://searchsociety.org/search2023/>

Summary

- Multi-disciplinary team continuously evolving
- Go-to resource for training, information & advice
- Highly collaborative supporting regional partners
- ATP Service Provider Directory growing, widely used & touted by OAT/HRSA
 - <https://telemedicine.arizona.edu/servicedirectory>
- In demand for presentations, committees, reviews & consultation
- SWTRC/ATP driving & leading telemedicine innovation throughout southwest, nationally & internationally



Yesterday

Arizona Diamondbacks
(53 - 42)

- 13

Atlanta Braves
(61 - 32)

Final

Thank you!

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