THE ROAD TO TELEHEALTH

YOUR RESOURCE FOR TELEHEALTH SUCCESS

Kathy J. Chorba Executive Director kchorba@caltelehealth.org

What Is Telemedicine?

Direct clinical care provided from a distance using electronic communication to provide or support clinical care



What Is Telehealth?

Telehealth is a more global term, which includes Telemedicine and other uses of communication technology

- Health Professional Education
- Disaster Response
- Public Health
- Consumer Education
- Evaluation Research
- Regional Health Information Sharing

Telemedicine Technologies

 Live video is used for real-time patient-provider consultations, provider-to-provider discussions, and language translation services.

• **Store & Forward** technologies electronically transmit patient information between primary care providers and medical specialists. Information could include digital images, X-rays, video clips and photos.

• *Remote patient monitoring* uses telehealth technologies to collect medical data from patients in one location and electronically transmit that information to health care providers in a different location, real-time and/or store & forward.

Live Video Teleconsultation



Live Video is used for real-time patient-provider consultations, provider-to-provider discussions, and language translation services.

High-speed broadband Outpatient or Inpatient specialty consultation

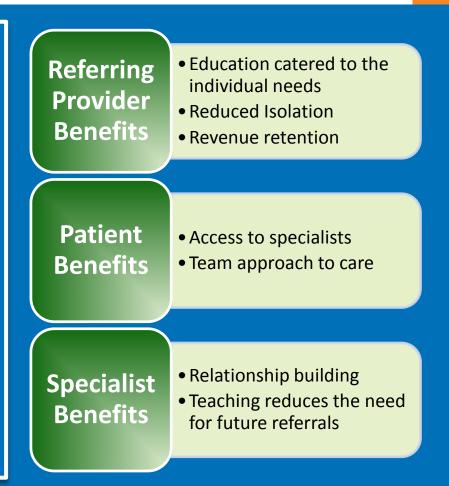




"The Primary Care Provider can't be an expert in every field"

Javeed Siddiqui, MD, Infectious Disease Specialist

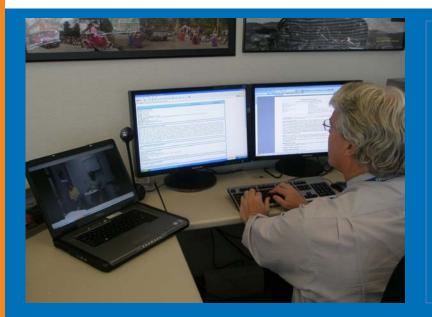
Telehealth specialty consultation gives the health care provider immediate access to the specialists they need, when they need them, and the treatment plan is catered to the individual patient.



Telemedicine in Hospital and Primary Care Settings



Store and Forward



- Utilizes low bandwidth, transmitting patient information, still images and video clips
- Best used in Dermatology, Ophthalmology, Pathology, Radiology
- Exploring new avenues in Psychiatry, Endocrinology, Hepatology, Orthopedics ...

Store & Forward technologies electronically transmit patient information between primary care providers and medical specialists. Information could include digital images, X-rays, video clips and photos.

Remote Patient Monitoring

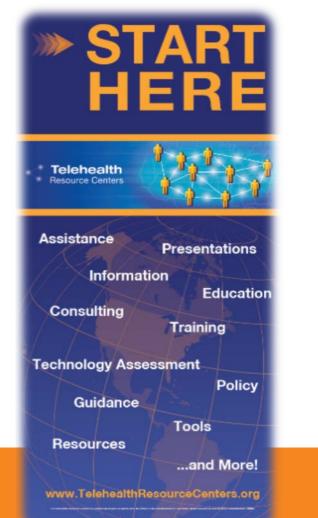
- Hospital emergency departments and intensive care units
- At-home management of patients with chronic conditions





Remote patient monitoring uses telehealth technologies to collect medical data from patients in one location and electronically transmit that information to health care providers in a different location, either real-time or store and forward.

Taking Advantage Of Your Local Telehealth Resource Center



National Telehealth Resource Centers

Telehealth Resource Centers are located across the country.

TelehealthResourceCenter.org



• Collectively form a network of telehealth program expertise and experience

Webinars



National Webinar Series

Don't miss the TRC National Webinar Series!



Visit the calendar

The TRC Webinar Series provides timely information and demonstrations to support and guide the development of your telehealth program by experienced telehealth professionals from the HRSA-designated Telehealth Resource Centers (TRCs).

These webinars are FREE to the public on the 3rd Thursday of each month.

To join the meeting: Click HERE

Visit the calendar

See upcoming webinars and events



Publications



Publications of TRCs

This section contains publications that have been created by Regional Telehealth Resource Centers.

CTRC Program Developer Guide

Step by Step Guide to Telehealth Development

This Guide provides in easy to follow steps the activies that should be undertaken during the development or expansion of a telehealth program. Incudes templates, checklists and a variety of guides.

Read more

- Download CTRC Program Developer
- Download Staffing Guide
- Download Room Design Guide
- Download Marketing Guide
- Download Diabetic Retinopathy Guide
- Download 2012 Reimbursement Guide
- Download FQHC / RHC Reimbursement Guide
- Download Best Practices
- Download Performance Monitoring

California Telehealth Resource Center

Helping Organizations Build Successful Telehealth Programs since 1996

ihealthbeat

Care Coordination, Cut Costs

Diabetes Telehealth Project

Tablets Help Home Health Agency Boost

Mississippi Providers, Tech Firms Launch

Study: Wikipedia Tracks Flu Better Than Google, Faster Than CDC >

Medical Scribes Rise in Demand as

Physicians Transition to EHRs >

April 21, 2014

April 21, 2014

April 21, 2014

April 21, 2014

caltrc.org

- **Federally Designated** ullet**Regional Telehealth Resource Center** since 2006
- Neutral source of information on program development, operations, and equipment selection



Thank you for visiting us!

CTRC promises to bring you a new and improved direct assistance approach, with renewed outreach efforts, telehealth education and support, and hands-on training.

Log In Sign Up 🖂 🛗 🕑

ADVICE

As California's Telehealth Resource Center, CTRC has a substantial volume of up to the minute information to assist you with your telehealth activities. Some new features on the website include:

- Search capability throughout the website and search function in our news archive to help you easily find information
- Special heading for developments on funding / reimbursement and leaislative / regulatory
- Community section to submit your stories and items of interest for inclusion in the website

What's New

SEARCH

FREE TRAINING

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- FREE TELEHEALTH TRAINING!!
- Interventions for Health Promotion and Disease Prevention in Native American Populations
- UPDATED: Telemedicine Reimbursement Guide
- FDA issues final guidance on mobile medical apps

CTRC Focus For 2012-2016

- Provide educational, programmatic, and technical support services to new and expanding telemedicine programs in California
- Develop and conduct workshops, conferences and program implementation workgroups
- Develop and disseminate financial sustainability models for specialty and referring clinic sites

calTRC.org Repository of Information Best practices, program guides, tools and templates

- Training videos for all members of the program team including administrators, telemedicine coordinators and clinical presenters.
- Telehealth development guides that incorporate up-todate best practices for telehealth in convenient easy-toread publications
- The CTRC Telehealth Program Developer Kit a foolproof, step by step guide for developing your telehealth program
- Ever growing list of California Telehealth specialty providers

Project Assistance, Training and Consulting

- Consultation before and during program development
- Statewide workshops
- Implementation workgroups

For a limited time, ON-SITE TRAINING SESSIONS are now being offered. Topics include:

- Equipment user training, troubleshooting and patient presentation techniques
- Billing, financial and contracting models for specialty care services
- Staff roles, clinic operational flow, and overcoming the most common integration barriers
- Other topics can be discussed as requested

On-site training sessions are sponsored by a grant from the Blue Shield of California Foundation. Training sessions will be on a first come, first served basis until funds expire.

Where do I go from here? How do I put these resources to good use? FOLLOW THE ROADMAP

Assess

Establish Define Implement Improve

THE ROADMAP: ASSESS

Assess Establish Define Implement Improve

Clinical and administrative services and needs Technology infrastructure and equipment inventory Leadership support Clinical provider buy-in Potential relationships with specialty providers

The Roadmap: Assess Clinical and administrative services and needs

- Current telehealth
 experience
- Unmet healthcare needs
- Medical interpreting services
- Administrative meetings
- Continuing education

Short List of Telemedicine Services

- Allergy
- Burn
- Cardiology
- Child Development
- Dermatology
- Endocrinology
- Gastroenterology
- Genetics
- Hematology
- Hepatology (Hepatitis A-E)
- HIV and Aids
- Infectious Diseases
 - Nephrology
- Neurology
- Neurosurgery
- Nutrition
- OB/GYN
- Occupational Medicine

Oncology

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- Ophthalmology
- Orthopedic Surgery
- Orthopedics
- Otolaryngology
- Pain Management
- Palliative Care
- Pediatric Cardiology
- Pediatric Critical Care
- Pediatric Dermatology
- Pediatric Endocrinology
- Pediatric Gastroenterology
- Pediatric Genetics
- Pediatric Hematology/Oncology
- Pediatric Nephrology
- Pediatric Neurology
- Pediatric Obesity

- Pediatric Otolaryngology
- Pediatric PM&R
- Pediatric Psychology
- Pediatric Rheumatology
- Pediatric Sexual Abuse QA
- Pediatric Urology
- Plastic Surgery
- Podiatry
- Psychiatry
- Psychology
- Pulmonary
- Rheumatology
- Stroke
- Surgery
- Surgical Oncology
- Transplant
- Urology



The Roadmap: Assess Technology infrastructure and equipment inventory

Tele-communications

 Secure, medical grade broadband in the staff meeting and clinic exam rooms? Is it wired or wireless?

Equipment and peripherals

- Videoconferencing equipment
- Peripherals (exam camera, stethoscope, otoscope, etc)
- Computer with webcam, microphone, speakers
- Store and Forward software, digital camera

The Roadmap: Assess Leadership support

Program financing

- Grant funding? For what, how much and how long?
- Institutional funding commitment
- **Staffing allocation**
- Program design, management and day to day operations
- Ongoing program support
- Staffing, technology, change management

The Roadmap: Assess Clinical provider buy-in

Telehealth participation

- Patient identification and referral
- Patient presentation

The Roadmap: Assess Existing and potential relationships with specialty providers

In-house

 Within your organization at another location

In the community

 Specialty providers in your referral network that might be interested in expanding their access via telehealth

Statewide

 University-based and commercial providers



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SEARCH

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Home > Resources > Talahauth Specially Provider Lid

Telehealth Specialty Provider List

Welcome! Our provider listing is, by default, in alphabetical order by company name. Please use the search box below to sort the specialty providers.

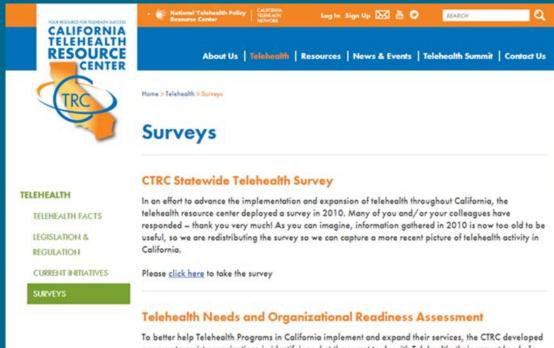
This list is, by no means, all inclusive. Providers contact us looking to get their information out to clinics and hospitals in our state. We have not vetted these companies, and you should do your own due diligence when choosing to work with a provider from this list. CTRC has a policy to remain vendor neutral and we do not endorse the vendors on our list. This list is for informational purposes only. If you have any questions, please use the contact us form at the top of the page. If you'd like to be on our Specialty Provider List, please <u>CLICK HERE</u>

Search:		
(select)	Search	Clear

		Total Records Found: 2, show	ing 2 per poge				
Company Name	Specialty Offered	Website	City	State	Zip Code	Phone	Emai
Clinicions Telemed	Cordiology, Demotology, Endocrinology, Castroenterology, Infection Discose, Mental Health - Psychology, Mental Health - Psychiatry, Neptrology, Orthopedics, Poin Management, Patient Education, Primary Care	www.clnicionstelened.com	Bakenshe ^l d	С		[661] 616- 4170	
Telemed2U	Dermatology, Infectious Disease, Mental Health - Psychology, Mental Health - Psychiatry, Primary Care	www.telemed.2u.com	Roseville	CA	95661	(855) 446- 8628	

The Roadmap: Assess

To take the on-line telehealth needs assessment survey, visit caltrc.org/telehealth/surveys



To better help Telehealth Programs in California implement and expand their services, the CTRC developed a survey to assist organizations in identifying what they want to do with Telehealth, their current level of experience, technical assets, equipment needs, and evaluate organizational readiness. This will help to give an organization the ability and willingness to shift from its current way of operating.

Please click here to take the survey

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The California Telehealth Resource Center was made possible by grant number G22RH24744 from the Office of the Advancement of Telehealth, Health Resources and Services Administration, DDHS.

THE ROADMAP: ESTABLISH

Assess Establish Define Implement Improve

Partnerships

Technology Infrastructure

Telehealth Team

The Roadmap: Establish Partnerships & Structured Relationships

	Model	Advantage	Disadvantage		
	Originating Site purchases	Originating Site: Guaranteed access to specialist	Originating Site: Risk assumed for		
	blocks of time	Distant Site: Guaranteed payment for time reserved	no-show patients		
	Originating Site pays per patient seen	Originating Site: No pressure to fill blocks of time	Originating Site: Possible excessive wait time for appointment		
			Distant Site: Difficult to forecast volume to plan for coverage. AND assume risk for no-show patients		
	Originating Site pays the delta between distant site's cost and collections	Originating Site: Only pays a portion of the specialty visit cost	Distant Site: Assumes the cost & burden of billing patient insurance & balance billing originating site		
	On-demand, 24/7 coverage (hospital, ED, ICU, & In- patient)	Originating Site: Guaranteed access and coverage when needed	Originating Site: May pay for time that's not utilized		
		Distant Site: Guaranteed payment for time reserved	Distant Site: May provide more services than originally estimated		
	Health Plan contracts directly with specialty service provider	Originating site: Financial burden for specialty care is assumed by the health plan.			
		Distant Site: Health plans are able to purchase in bulk, allowing the provider to anticipate and meet the needs appropriately			

The Roadmap: Establish Technology infrastructure

Equipment and peripherals

- To accomplish the administrative and clinical service goals established by the needs assessment
- Secure medical grade broadband to clinic and conference rooms
 - Sufficient to support the equipment and/or software

The Roadmap: Establish Telehealth team

- Administrative leadership
- Medical leadership
- Telemedicine coordinator
- Technical support

Clinician Champion

Maintains overall control of the program

Brings partners to the table respected member of the clinician community

Incorporates TH into practice -

teach the value to other clinicians

<u>Goal</u> Quality and efficiency of medical service

Telemedicine Coordinator

Program Promotion, Coordination & liaison duties between patients, providers and

specialty sites

Patient care scheduling & coordination

-----Education & Outreach

Technology management

<u>Goal</u> Program efficiency, Patient & provider satisfaction

Technical Support

Telecommunications networking planning & maintenance

Equipment selection, installation, training and troubleshooting

Equipment reliability and functionality – Videoconferencing, Store and Forward software, & Medical peripherals

<u>Goal</u> Maintain reliable, user-friendly technology

THE ROADMAP: DEFINE

Assess Establish Define Implement Improve

Policies and Procedures

Staff Roles

The Roadmap: Define Policies and procedures

- Clinical guidelines for specialty referral
- Referral forms
- Process for patient consent
- Patient flow
- Patient insurance billing
- Specialty services billing/payment
- Exchanging medical information
- Clinic scheduling
- Credentialing & Privileging



The Roadmap: Define Staff roles

- Coordinator
- Clinical champion
- Technical support



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SEARCH

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Home > Resources > Best Practices > Sample Forms and Guidelines

Sample Forms and Guidelines

Below you will find a few of the sample forms that the CTRC has available for use when implementing a telehealth program.

Sample Referral Guideline for Neurology Pediatric

Sample Referral Request Form

Resource Center

Sample Authorization and Consent

Sample Workflow

Sample Job Descriptions

Common Integration Barriers

Considerations in Developing Partner Relationships

THE ROADMAP: IMPLEMENT

Assess Establish Define Implement Improve

Staff Training Provider Orientation Patient Education

The Roadmap: Implement Staff training

- Referral protocols
- Equipment usage and troubleshooting
- Patient presentation techniques
- Billing
- Medical records
- Patient consent
- Process flow

The Roadmap: Implement Provider orientation

- Meet and greet sessions with specialty providers to discuss referral requirements and patient presentation techniques
- Medical staff meetings to review patient selection and process flow

The Roadmap: Implement Patient education

- Equipment demo
- Appointment fliers
- Website
- Local news media

Specialty Care Safety Net Initiative UC Irvine Pediatric Psychiatry Live Video Telemedicine Consultation

Your telemedicine specialty consultation has been scheduled for:

Time:

Date:

Please arrive 15 minutes early to complete any paperwork that may be required by your specialist.

What is Telemedicine? Telemedicine is live, interactive audio and video with the patient at one location and the specialist at another. It is conducted over dedicated lines that are private and secure.

What is a Telemedicine visit like? A typical telemedicine visit occurs with the patient, the medical assistant and the physician at the patient's primary care clinic. The medical assistant will run the camera and help with the exam. You and your specialist will be able to see and hear each other, just as if you were in the same room. Your primary care provider may be present if needed by the specialist in order to help with the exam, diagnosis and treatment recommendation process.

Your Telemedicine Specialist for this visit will be Artur Turakhia, M.D., from the University of California, Irvine. Dr. Turakhia has received your medical record information and has reserved time in his schedule just for you. Appointments are very limited, so please make every effort to keep this appointment.



Alur Turekhia, M.D. is an Assistant Clinical Professor at the University of California, Iwine, Department of Psychiatry & Human Behavior. He serves as the Medical Director for the FOCUS program, which provides services to sexually abused children, serves as the Assistant Director for the Child and Adolescent Psychiatry Fellowship Training Program; beats patients from the Regional Center of Orenge County for Medication Management; and supervises Fellows in an Outpetient Medication Management clinic.

Dr. Aber Tumkhis breits patients with multiple illnesses, inducting Major Depressive Disorder, Bipolar Disorder, Generalized Anxiety Disorder, Obsessive-Compulsive Disorder, Social Phobia, Attention-Deficit Hyperactivity Disorder, Schlaphrenin, and Autotic Spectrum Disorders. He attempts to balance the prescription of psychiatric medications with the use of psychotherapy to healt the complete individual. It he also prefers to focus on people's individual strengths rether than

only see a person's illness. Furthermore, Dr Turakhia has a special interest in trying to understand the family and cultural backgrounds of his patients and the role that those factors play in patients' overall mental health. His braining in Child and Addressert Psychiatry allows thin to understand the role that human development plays in psychiatic problems.

Dr. Turskhis completed his undergreduste work at the University of California, Berkeley and greduated from medical school at the University of California, livine. He was trained in General Psychiatry at the University of California, San Diego and completed further sub-specialization in Child and Adolescent Psychiatry via a fellowship also at the University of California, San Diego. Dr. Turskhis was inducted as a member into the UC I vine inaugural chapter of the Gold Humanism Hone Society, an organization that recognizes demonstrated excellence in clinical care, leadership, compassion, and dedication to service. It was organized to elevate values of humanism and professionalism within the field of medicine through student-initiated projects and activities and is in line with Dr. Turskhis's values.

For more information contact your clinic Telemedicine Coordinator

THE ROADMAP: IMPROVE

Assess Establish Define Implement Improve

Identify and address obstacles

The Roadmap: Improve **Identify and address obstacles**



Process and

changes are

needed to

take your

telehealth

program from

quagmire to

mainstream

culture

Common Integration Barriers (and impossibly easy solutions)

Primary Care Provider Buy-In:

- 1. "What are the benefits of telemedicine?"
 - a. Engage the medical staff in the implementation and planning process. Buy-in has to be an organic process that starts with an identified need and desire for the service.
 - Make literature available that documents increased access, guality of care and improved patient outcomes as a result of telehealth c. The clinician champion can encourage the providers to participate in
- telemedicine 2. "Who are these specialists? Are they qualified to see my patients? a. Arrange meet and greets between the PCPs and the specialists in
 - person or via video conferencing b. Give the PCP the specialist bios so they can be more familiar with the specialists and their aualifications
 - c. Talk about telemedicine at the monthly clinic physician meetings
 - d. Have the physician champion invite colleagues to sit in on a consult
- 3. "Will telemedicine put local specialists out of business?" a. For telemedicine in general, try to remember - telemedicine can
 - supplement, not replace, what you have available in your community. b. Telemedicine should never be started in a community as a redundant service - it must be a perceived need identified by the referring site.
- 4. "What types of patients are appropriate for referral? a. Inform the clinical staff of the existence of specialty referral guidelines, and make them available and easy to locate
 - b. Include a review of the referral guidelines in monthly clinical staff meetinas
 - c. Place a set of referral guidelines at the referral coordinator's workspace
 - d. Schedule a meet and greet with the specialist to discuss the referral guidelines, appropriate clinical conditions and requisite tests prior to referral
- 5. "Referral Guidelines are too complicated the specialist is requiring too much information prior to the consult." Negotiate referral
 - a. Meet with the specialist to discuss and agree upon referral guidelines that will accomplish the needs of both parties: requirements that can be met by the referring provider, and information that will help the specialist conduct the consult.
 - referring and b. Oftentimes a specialist is willing to see the patient without a complete specialty providers clinical work-up if it's not possible to obtain the information prior to the consult
 - c. Primary care providers are also more willing to buy in to the referral requirements if the specialist can explain why each item is necessary.
 - d. Uncomplicated guidelines will have a greater likelihood of being adopted and utilized.

Common Integration Barriers (and impossibly easy solutions) – Page 2

Primary Care Provider Buy-in, continued:

6. "Using a video provider makes me feel disconnected from the specialist."

- a. Conduct video or in person meet and greets to discuss the roles of the specialist and the primary care provider in the care partnership
- b. Specialist should provide their cell, desk, or other contact number to the primary care providers to encourage communication, follow up with medication changes, etc.
- c. The specialist should initiate follow up and direct communication with the primary care provider to check on patient progress
- d. Brief monthly recaps between the primary care providers and the specialists to review patients seen, progress to date, and answer general questions (without the patient present).
- e. The specialist should hold an in person in-service for topics or procedures most commonly utilized in that specialty (ex: performing a biopsy)
- f. The specialist should make a guest appearance at the PCP monthly clinic meeting to talk about their services and answer questions
- g. Combine telemedicine with in-person, on-site consults to build trust and create a referring partnership

Patient Buy-In

- 1. Fear of technology
 - a. Educate the patient about telemedicine
 - b. Assure the patient the video or information will be transmitted on a secure line, to the specialist only (i.e., this won't show up on YouTube)
 - c. Give the patient a demonstration of what will happen during their consult
 - d. Media blasts newsletters, emails, local newspaper articles, handouts and posters in the waiting rooms
 - quality of care
 - a. Show the patient the specialist's bio with a picture.
- 3. For non-English speaking patients: "How will I communicate with the

 - c. When possible, select a specialist who speaks the patient's native
 - lanauaae

Assure the patient the specialist was

Give the patient a

telemedicine

demonstration

Schedule monthly

recaps between the

providers to review

patient progress

and answer

selected by their PCP to enhance their care

Provide information handouts in the patient's primary

- Discuss telehealth in the monthly clinic staff meetings Only use telehealth
- to supplement you community

Engage the medical

staff in the

implementation

and planning

process

Hosta "meet and greet" video session with providers to break

guidelines to the

satisfaction of the

- - - 2. There may be a perception the patient is receiving 2nd class, or a lower

- b. Explain the specialist will just be there to support their own PCP.
- c. Train the staff to help the patients understand the benefits.

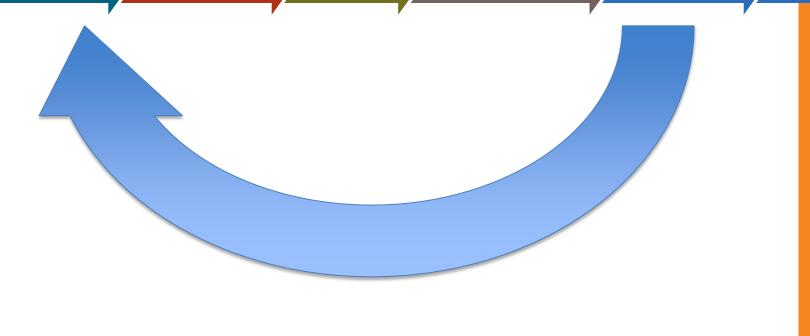
specialist? "

- a. Assure the patient you will use the clinic's translators so that no family member will be required to be present
- b. Have information handouts in the patient's own language

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THE ROADMAP: REPEAT

Assess Establish Define Implement Improve



THANK YOU

YOUR RESOURCE FOR TELEHEALTH SUCCESS **CALIFORNIA TELEHEALTH** RESOURCE CENTER

CalTRC.org 877-590-8144