

ARIZONA  
TELEMEDICINE  
PROGRAM



# Telemedicine & Telehealth Standards & Guidelines

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# Practice Guidelines

- **Supply health care professionals with needed support & information**
- **Improve health care quality & encourage more efficient use of limited health care resources**





# TELEMEDICINE COMES OF AGE



## CURRENT TRENDS IN TELEHEALTH



**67%**

OF HEALTHCARE PROFESSIONALS  
EITHER USE SOME FORM OF  
TELEMEDICINE NOW, OR ARE  
PLANNING TO IN THE NEXT FEW YEARS <sup>1</sup>



**>70%**

OF CONSUMERS WOULD RATHER  
HAVE AN ONLINE VIDEO VISIT TO  
OBTAIN A PRESCRIPTION THAN  
TRAVEL TO THEIR DOCTOR'S OFFICE <sup>1</sup>



**91%**

OF HEALTH OUTCOMES  
WERE AS GOOD OR BETTER  
VIA TELEHEALTH <sup>1</sup>

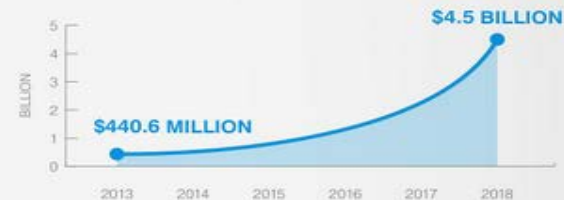
## PROJECTIONS FOR THE FUTURE

THE NUMBER OF PATIENTS WORLDWIDE USING TELEHEALTH SERVICES WILL RISE FROM  
**LESS THAN 350,000 IN 2013 TO 7,000,000 IN 2018 <sup>2</sup>**

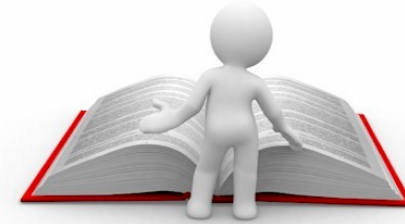


THE GLOBAL TELEMEDICINE MARKET IS PROJECTED TO REACH  
**\$36,300,000,000 BY 2020 <sup>3</sup>**

WORLDWIDE REVENUE FOR  
TELEHEALTH DEVICES AND  
SERVICES IS EXPECTED TO  
REACH **\$4.5 BILLION IN 2018**,  
UP FROM **\$440.6 MILLION IN 2013 <sup>4</sup>**



# Guidelines



- **ATA practice guidelines**
- **Professional societies**
  - **ACR, ASHA, APA, ADA**
- **Technical requirements (min) often included & standards available as well (HL7, DICOM, FDA)**
- **International guidelines (Europe & Canada)**
- **Standard guidelines & requirements for medical practice**
- **Common sense!**

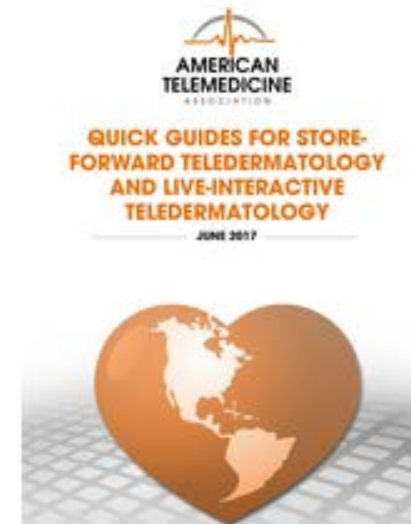
The practice of medicine is an integration of both the science and art of preventing, diagnosing, and treating diseases. Accordingly, it should be recognized that compliance with these guidelines will not guarantee accurate diagnoses or successful outcomes. The purpose of these standards is to *assist practitioners in pursuing a sound course of action to provide effective and safe medical care that is founded on current information, available resources, and patient needs.* The practice guidelines and technical standards recognize that safe and effective practices require specific training, skills, and techniques, as described in each document.

If circumstances warrant, a *practitioner may responsibly pursue a course of action different from the guidelines* when, in the reasonable judgment of the practitioner, such action is indicated by the *condition of the patient, restrictions or limits on available resources, or advances in information or technology* subsequent to publication of the guidelines. Nonetheless, a practitioner who uses an approach that is significantly different from these guidelines is strongly advised to provide documentation, in the patient record, that is adequate to explain the approach pursued.

- Guidelines for practice TM that are required whenever feasible & practical as determined by referring clinician practicing under local conditions identified by *“shall”*
- *“Should”* indicates an optimal recommended action, one that is particularly suitable, without mentioning or excluding others.
- Optional or permissible action are indicated by *“may/attempt to”* to indicate additional points that may be considered to further optimize the tele-consult process.



- Telehealth Practice Recommendations for **DR**
- Principles Delivering **Telerehabilitation** Services
- VC-based **Telepresenting** Expert Consensus Report
- Practice Guidelines VC-based **Telemental Health**
- Evidence-based Practice **Telemental Health**
- Practice Guidelines **Teledermatology & Quick Guides**
- Core Standards Telemedicine **Operations**
- **Home Telehealth** Clinical Guidelines
- Clinical Guidelines **Telepathology**
- **Video-Based Online Mental Health** Services
- **TeleICU** Operations
- TM Practice Live On-Demand **Primary Care & Urgent Care**
- Operating Procedures **Pediatric TH**
- Practice Guidelines **Telestroke**
- Practice Guidelines **TMH with Children & Adolescents**
- Practice Guidelines for **Teleburn Care**
- Quick Guide **Teledermatology**





## A Concise Guide for Telemedicine Practitioners: Human Factors Quick Guide

### Eye Contact

An American Telemedicine Association Human Factors SIG publication in collaboration with the Home Telehealth and Remote Monitoring SIG

This guide is a quick reference to the importance of eye contact--and the lack of it--in providing healthcare services. Some pointers relate specifically to the provision of remote services, but all are applicable to most healthcare encounters. For more information and details we refer you to the references at the end of the guide.

### Why Is Eye Contact Important?

- One of the most important aspects of human (provider-patient) interaction<sup>1,2</sup>
- One of many non-verbal cues that take time to process remotely
- Fundamental to the REDE (Relationship, Establishment, Development, Engagement) model of patient provider interaction for optimizing provider-patient relationships<sup>3</sup>
- Important to clinical encounters and used as part of medical skill set checklists<sup>3</sup>
- Impacts patient's sense of dignity<sup>4,5</sup>
- Helps establish rapport; trust<sup>6</sup> (keeps participants focused on each other; encourages interaction; facilitates memory; influences likeability & attractiveness; affects perceived emotion; creates sense of inclusion when present & sense of isolation when not<sup>7</sup>)
- Allows for the use of non-verbal cues in communication<sup>8</sup>

### Eye Contact Etiquette

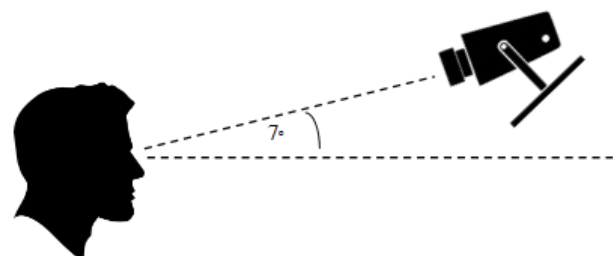
- "Rules" of direct versus indirect eye contact can differ by culture<sup>9,10</sup>.
- It is important to be aware of possible cultural heuristics:
  - Arabs, Latin Americans & Southern Europeans make more eye contact during conversation than Asians & Northern Europeans
  - Japanese may consider eye contact rude & people are taught to look at a person's Adam's apple instead of the eyes; eye contact with superiors is avoided
  - Women generally make more eye contact than men
- Eye contact changes with age
  - Increases from age 4-9
  - Decreases from 10-12
  - Increases again into adulthood.
- Certain mental health medical, and vision conditions impact the ability or willingness of some patients to make and/or maintain eye contact<sup>11,12,13</sup>

### Tips for Telemedicine Camera Positions & Viewing Screens<sup>14,15</sup>

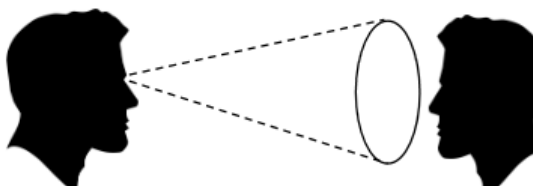
- Locate camera above the face for accurate estimation of gaze<sup>6,16</sup>
  - Preferably 7 degrees (of viewing angle) or less above from transmitter's position (refer to Figure below).
- Initial viewing distance (introductions) should be close enough for "passport" view (head & top of shoulders)
- Avoid placing camera too close to yourself

- Close placement can make the viewer feel as though their "personal space" is invaded from a distance
- Afterwards can move the viewing distance out for better view of the body & non-verbal cues
  - Recommend 1080p (or 720p) monitor with aspect ratio 16:9, start out with the following viewing distances (may differ for 3-D screens)<sup>17</sup>:
  - Desktops, tablets, and phones—common sense
  - 42" monitor: 1.5m / 4'11"
  - 52" monitor: 2.0m / 6'6"
  - 65" monitor: 2.5m / 8'2"
- Avoid the parallax problem or the inclination to look at face on screen rather than into camera
  - Replicate real eye-contact patterns by looking into the camera frequently<sup>8</sup>
  - If the viewing distance is correct, you will see the patient on the monitor and the camera simultaneously
- Higher resolution cameras & monitors are preferred
  - Produce sharper images making it easier to see & follow eye gaze
  - Sharper images are less tiring to look at if you are providing remote services for long periods.
- Use camera zoom features to adjust your apparent distance (your image size) from the camera as necessary
  - For proper sizing in the viewing frame without changing suitable physical distance and good camera angle (See diagrams below)
    - This applies to the patient as well if there is either remote zoom or the patient can adjust their camera.
- Some legacy or low-end systems may have image quality issues
  - Verify the image quality prior to clinical use

### Camera Position



### Cone of Gaze



# Endorsed S&G

- ACR Standard **Teleradiology**
- AAD Position Statement **Telemedicine**
- APA Statement on Services by **Telephone**
- AMA Guidelines Physician-Patient **Electronic Communications**
- Medem's eRisk Guidelines Physician-Patient **Online Communications**
- Guidelines **Surgical Practice Telemedicine**
- ACR Electronic Medical Information **Privacy & Security**
- FDA **Telemedicine** Guidance



# **Developing ATA S&G**

- **Burn & Wound Care**
- **Remote Monitoring Data Management**
- **Pediatrics**
- **Telestroke**
- **Update dermatology**

**<http://www.americantelemed.org/practice/standards/ata-standards-guidelines>**

**Table 1. Lexicon of Assessment and Outcome Measures for Telemental Health (TMH)**

Item No.	Item	Definition	Measurement	Considerations
2.1.1	Patient satisfaction	Patient's subjective satisfaction and experience with the TMH service provided.	The perception of the patient's satisfaction during the TMH visit with usability of the technology, patient-provider communication, and convenience of receiving care via this approach. Does the patient believe that the service met her/his health needs? Would patient do this again? Would patient refer others to this service?	There may be overlap with other constructs such as "Satisfaction with Usability of Technology." Satisfaction does not necessarily require in-person comparison. It could be comparison to no care (i.e., non-inferiority testing). Use of validated measures of TMH satisfaction because measures exist. Measure satisfaction with experience as well as with technology.
2.1.2	Provider Satisfaction	The extent to which the provider values telehealth when interacting with patients.	The following metrics may serve as surrogate markers: retention and recruitment of providers, ease of transition in technical competency, ease of integration into clinical workflow, perceived value of better diagnosis, treatment and disease management.	Satisfaction metric must be considered longitudinally. Include both referring PCMs and consulting provider satisfaction surveys.
2.1.3	Coordination of care	Care coordination is the development and implementation of a shared plan to support patient wellness.	Care coordination measurement consists of both the number of telehealth encounters and the number of different participants involved in the shared plan (e.g., consultant-primary care provider, consultant-teacher, etc.) and the type of telehealth interaction (asynchronous and synchronous).	The nature of the communication, external technologies such as electronic health records and quality of encounters can all impact care coordination.
2.1.3	Integration of care	Integration of care is the efficient assimilation of multiple components within a health system in order to decrease redundancy, delay, and cost.	Measurement of the integration of care includes the type of the telehealth interactions assessed on standardized questionnaires of care coordination or other measures of communication (i.e., participant A to participant B).	The nature of the communication, external technologies such as electronic health records and quality of encounters can all impact integration of care.
2.1.4	Usability	1) The ease (preference, comfort, fit, readiness) of patients to communicate digitally with their providers. 2) Includes technology availability, simplicity of use, service availability, technology native vs. non-facile.	Measurement should include: provider retention rate, patient drop out and rationale, support staff required, technology ease of use, technology down time, and subjective ratings of comfort.	Subjective and objective measurements from both the patient and provider perspective. Part of the evaluation should include how "seamless" the interaction was between people/technology, to include latency and failure of technology. This can be used as both a process/acceptability and an access measure, but definition should remain the same. Patient/provider preferences should also be included.
2.1.5	Rapport	When two or more people feel	Self-reported level of direct and/or indi-	Transcends cultural, racial, ethnic, religious, gender, age,



		that they are connected and understand one another.	rect evidence that the condition of rapport is present between the patient(s) and the professional(s).	geographic, etc. differences and experiences. Try to link clinical outcomes which could be related to rapport.
2.1.6	Stigma	Preconceived, often negative, association with an illness, diagnosis, therapy, technique etc. that may interfere with the provision and/or acceptance of care.	Measures should evaluate stigma among health care providers/staff, patients, and social networks and include, at minimum, the following concepts: Stereotyping/discrimination such as beliefs about mental illness, mental health treatment, TMH and the use of technology to deliver care. Labeling/disclosure such as acceptance of diagnosis, willingness to diagnose appropriately, help seeking and delivering behaviors, willingness to use or conduct TMH sessions.	Perceived stigma should not simply focus on the recipient of care but the providers of care and those giving support. Concerns about stigma should focus on both mental illnesses in general and on the type of delivery (e.g., TMH). From a research and programmatic perspective this is best evaluated pre/post introduction of a TMH service. This can be related to both general access to care and readiness.
2.1.7	Motivational readiness	Assessment of an individual's or organization's willingness to change and adopt TMH services. This is different from preparedness, which is an assessment of individual and organizational ability to adopt TMH services.	Includes: stage of change for individuals and organizations, situational self-efficacy (confidence), trans theoretical model-based measures (pros & cons of change, processes/strategies for change, situational self-efficacy).	Defining criteria for moving into the action stage. Relationship between individuals and institutional readiness and motivation. How interrelated are individuals and institutional motivation? Self-report can be inaccurate, but necessary.
2.2.1	No shows	A patient or clinician who does not attend session, or is more than 15 minutes late.	Percent of no shows as compared to a disease-state specific comparisons in-person group. No shows defined as 15 minutes late or more to appointment. No shows need to be identified as either clinically related or a systems issue (scheduling, time zones, etc.).	Determine cause of no show, i.e., was it lack of transportation, lack of ability to maintain a schedule, did they show up late and have to reschedule, dissatisfaction with treatment. Examine the reasons for the no shows i.e. technology failed or could not be used, the use of technology (vs. travel) made it easier to keep the appointment, etc.
2.2.2	Accuracy of assessment	How well the modality of TMH impacts the reliability and validity of the assessment when compared with the traditional behavioral health care standards for the construct in question.	Comparison of standard measures of assessment (reliability, validity) of TMH vs. in-person (national standard) vs. other telehealth modalities. Measurement should also include session time and number of sessions needed for specific assessments comparing TMH with in-person services at patient site.	Proxy measures to track providers comfort with reliability of assessment through tracking utilization of tests and consults comparing TMH with in-person services at patient site.
2.2.3	Symptom outcomes	Change in identified clinical symptoms over time.	Use of measures of symptom change that are appropriate and psychometrically sound (validity, reliability data published in the literature). Need to be appropriate for the population being treated/assessed	How is this information documented so it is meaningful? Include measure used, cutoff criteria, inclusion/exclusion, what they are comparing outcome to, effect size of intervention. Symptom outcomes are part of a larger universe of outcome metrics that need to be considered. Consider adding

			to include accepted gold standards.	intervention/treatment outcomes with symptom outcomes as a subset as well as other outcomes such as Quality of Life, work attendance/absenteeism, compliance/adherence or psychosocial measures (unit cohesiveness, social isolation).
2.2.4	Completion of Treatment	Degree to which appointments, treatments and completion of treatment plans occurred within the prescribed time frame.	Average number of visits according to treatment plan, average number of visits in given time period, duration of treatment, number/percentage of modules completed; percentage of patients who completed treatment; pre/post functional measures	Third party payers use Axis 5 (Global Assessment of Functioning) to evaluate progress and completion, although this will evolve with the conversion to DSM-V criteria.
2.2.5	Quality of Care	Quality of care represents the process of delivering services and includes both the technical and interpersonal aspects of treatment. Technical quality includes concordance with treatment guidelines, fidelity to evidence based protocols, and system performance measures (e.g., HEDIS). Interpersonal quality includes patient rapport, therapeutic alliance, and cultural competence.	Performance measures (e.g., timely outpatient visit follow hospital discharge) can sometimes be measured from administrative data. Concordance with treatment guidelines and fidelity to evidence based protocols can be measured from chart review. Interpersonal quality should be measured from patient self-report (e.g., therapeutic alliance can be measured using the working alliance inventory).	Quality is defined as the process rather than the outcome of care, because clinical outcomes are measured using other metrics and because high quality care does not necessarily lead to good outcomes. Quality of TMH services should be measured against benchmarks rather than the quality of in-person services which is often sub-optimal. When TMH services are compared to in-person services, it will be critical to choose a similar clinical setting and patient population.
2.2.6	Treatment Utilization	Use of TMH services compared with all other health services related to specific disease processes.	Measurements on number of TMH and non-TMH visits within a health care system to include data on visit duration, frequency, and problem addressed. Measurements on system resources (labs, medications, system funded travel, devices, consultation, number of referrals made and utilized) of TMH vs. non-TMH. Utilization should be correlated with symptom reduction of specific disease processes.	Comparison of digital contacts (mobile phone, e-mail, Web) and its impact on service utilization in non-telemental healthcare. Recommend healthcare systems systematize data on digital contacts. Collect data on both internal utilizations within a system but as possible external service utilizations from outside agencies and providers. As possible during implementation of TMH services collect compare data on pre and post implementation service utilization data.
2.3.1	Number of Services	Degree of access to additional services which are derived from enrollment in telehealth.	The number of clinical care options and auxiliary services offered (e.g., medication management, social services, labs, cardiac care, group therapy); frequency in the use of clinical care options and auxiliary services.	Used for program evaluation, ROI for program expansion, quality, patient/provider satisfaction.
2.3.2	Numbers Served (also referred to as	The workload credit given for the TMH encounter that is	Types of services; complexity of services; time spent with patients; number of	Coding accuracy. Coding training and follow up to ensure coding is being done correctly, i.e., no under or over coding.

	RVUs, relative value units)	related to the complexity of services provided and the time spent with patients which equates to the level of financial reimbursement.	patients seen.	
2.3.3	Wait Times	Wait time is a temporal dimension of access that represents the delay between when the patient wants to receive services and when they can actually receive services.	Operationally, time to next available appointment, when scheduling, and when the patient actually presents for care. For TMH requiring a referral, wait time could be measured as the difference in the referral date and the date the patient was seen. May want to measure wait time separately to see the preferred provider versus any provider.	It is important to realize that improving other dimensions of access (e.g., lowering costs or de-stigmatizing TMH services) could result in increasing wait times due to increased demand. Health systems should measure wait times to all clinics (not just TMH clinics) to determine how resources could best be reallocated to minimize variability in wait times across clinics. Other important measures of temporal access include wait time in clinic and convenience of office hours.
2.3.4	Length of session	How much time the patient spends receiving care. This could include time spent with the provider.	Average/total clinical encounter time, average/total administrative time (set-up time, out-of session contact such as email, text, phone, letters).	Needs to be clinician, patient, staff, and system viewpoint. Needs to accommodate emerging platforms such as mobile health. Length of sessions may interact with frequency of appointments. Efficiencies with telehealth solution create opportunities for novel session duration (e.g., 10-minute check-in)
2.3.5	Distance to Service	Geographic separation or functional barriers between patients and providers.	Distance, time zones, time to appointment.	This includes structural barriers, weather.
2.3.6	Likelihood to access vs. traditional care	Likelihood to use TMH.	Measurement should include the following concepts: familiarity (past use), acceptability (cultural and technical), associations with stigma, willingness, and perceived benefit. Measurement should not focus on satisfaction but rather broad willingness to use.	When possible this should include baseline comparisons against both available and unavailable treatment as usual (e.g., in-person) Most likely this is assessed through self-report questionnaires.
2.3.8	Cultural access	Access to healthcare services that align with cultural expectations.	The degree to which an individual perceives the mode of delivery and related processes to align with cultural beliefs and expectations.	This should include cultural understanding of technology and expectations of interpersonal communication. It should also consider how technology may better connect cultural expectations, e.g., providing access to same culture providers or allowing for communication with a provider outside of one's in-group.
2.4.1	Economic evaluation that incorporates standard economic models			In general, clear definitions do not exist for many of the cost structures. This may be appropriate as costs are derived and perceived differently. There are several costs factors that were identified as important to measure objectively. Until final definitions are set, each cost factor should be operationalized and reported. Consideration should also be given to what is sunk or similar cost of care as usual (provider time).



				Baseline assessments help to identify cost outcomes.
2.4.2	Value proposition	Comparison of clinical and other health service outcomes by overall resources allocated.	Standardized and reported taxonomy of resources allocated and outcomes measured.	There is no consensus yet on the best determinations for economic evaluations in TMH.
2.4.3	Travel direct	Direct cost associated with provider and/or patient travel to care site	All direct costs should be identified, operationalized, and reported for comparison.	Should be included within the broad category of costs. Precise definition may not be possible given differing perspectives but all components should be identified, operationalized, and reported.
2.4.4	Travel indirect	Indirect costs associated with provider and/or patient travel to care site	All indirect costs should be identified, operationalized, and reported for comparison.	Should be conceptualized as comparison to normal care, e.g., loss of work productivity is comparable given 1 hr away regardless of mode of delivery. Indirect costs are both inputs to a cost model as well as potential positive outcomes of telehealth (reduction). Evaluators should determine and report up-front whether indirect costs are inputs to a cost model or expected outcomes.
2.4.5	Technology direct	Direct patient and provider costs associated with the technology utilized to deliver telehealth services.	All direct costs should be identified, operationalized, and reported for comparison.	Need to determine upfront whether costs are as a whole or divided between provider- and patient-associated. Inputs to consider include: hardware and depreciation, software and licensing, infrastructure, network, and maintenance costs.
2.4.6	Technology indirect	Indirect patient and provider costs associated with the technology utilized to deliver telehealth services.	Indirect costs include expenses incurred as a result of technology downtimes, specialized licenses, and administration.	There is cross-over between direct and indirect technology costs. Direct costs should focus on tangible assets while indirect costs are often intangible resources allocated based on the need for tangible assets.
2.4.7	Public vs. private	Payer Perspective.	Whether a project, program, or system utilizes public or private funding.	This is not an outcome measure but rather a perspective. Outcomes measures should be evaluated based upon the financial perspective under which a program operates.
2.4.8	Cost avoidance	Current or future direct costs avoided due to a specific intervention or program.	There are currently no industry standards for cost avoidance measures.	Consideration should be given to measuring items such as hospitalizations, visits, and other costs. These should be operationalized and reported as possible.
2.4.9	Missed obligations	Indirect Cost: Missed obligations	Should be measured as part of overall indirect costs.	Where possible a baseline assessment should be conducted against care as usual. As an outcome measure the assumption is that TMH impacts indirect costs/burden, thus requiring a comparison.
2.4.10	Burden on social network	Societal resources associated with either the provision of or inadequate access to TMH services.		Burden on social network should include direct burden to support resources and broad burden to societal infrastructure. When conducting research a positive or negative directional association should be identified <i>a priori</i> .
2.4.11	Personnel (administrative, provider, provider extender, presenter)	Personnel costs associated with the provision of TMH services.		
2.4.12	Supplies	Direct cost of auxiliary supplies required for TMH ser-		

		vices.		
2.4.1 3	Training	Process by which an individual attains the knowledge and skills required to demonstrate predetermined competencies.	A TMH competency set is required.	May be included as an indirect provider cost. Training is not truly an outcome unless the program is development of a training program
2.4.1 4	Facilities and maintenance	Direct costs associated with the facilities and maintenance necessary to support tele-health technologies.	Measurement includes cost of physical facilities, facilities maintenance, and systems such as HVAC. Should also include cost to maintain equipment including servers and individual patient/provider technologies.	Should be included with technology direct costs.
2.4.1 5	Broad resource utilization	Resource utilization is the total allotment of resources necessary to provide tele-health services.	Resource utilization is driven by the numbers of encounters. It encompasses personnel and infrastructure resources necessary to provide each health care service.	Baseline comparisons need to be considered to differentiate resources from treatment as usual and TMH.
Pa- tient safe- ty	Patient safety	Safety of patients and others during the course of treatment (i.e. during sessions and after).	Times had to use safety procedures. Number of times needing to contact collateral/ 911 calls/emergency services calls. Number of psychiatric hospitalizations related to clinic services. Number of times unable to invoke safety plan (tried but could not), hand off to higher level of care from clinic due to safety issues. Problems causing patient transfer to another provider.	Consider Targsoff, other measures of adverse events (or potential ones e.g. increased suicide indication, etc.); response times of all events, etc. including emergency services.

<http://www.americantelemed.org/docs/default-source/standards/a-lexicon-of-assessment-and-outcome-measurements-for-telemental-health.pdf?sfvrsn=2>

# Following Guidelines

- Practice *medicine* **(not tele!)** integration science & art preventing, diagnosing, treating diseases
- Compliance alone will not guarantee accurate diagnoses/successful outcomes
- Circumstances warrant may responsibly pursue alternate course action
- Divergence indicated when, in reasonable judgment practitioner, condition patient, restrictions/limits on available resources, advances info/tech occur
- If use approach sig different strongly advised document it

# Educating & Informing

- **Structure & timing services, records, scheduling, privacy, security, potential risks, confidentiality, billing, VTC info, emergency plan, potential technical failure, coordination care others; contact between visits, conditions termination & refer in-person care**
- **Provided language easily understood**
- **Provided orally or in writing**
- **Set appropriate expectations**
  - **Prescribing, scope services, follow-up**



# **Providers Shall**

- **Conduct care consistent jurisdictional regulatory, licensing, credentialing & privileging, malpractice & insurance, rules profession jurisdiction practicing**
- **Ensure compliance required by appropriate regulatory & accrediting agencies**
- **Be cognizant provider-patient relationship**
- **Have necessary ed, training, orientation, licensure, etc.**
- **Ensure workspaces secure, private, reasonably soundproof, lockable door**
- **Ensure privacy & make patient aware other persons & agree to presence**

# Verifications



- **Provider & patient identity**
- **To patient setting without immediately available health professional (e.g., home) provider shall qualifications, licensure information, when applicable, registration #**
- **Provide location for verifying info**
- **Patients shall provide full name, DOB, contact info**
- **Cases existing established relationship process may be omitted**



# **Provider Awareness**

- **Local in-person health resources & travel requirements**
- **Exercise clinical judgment in referring additional health services**
- **Know preferred healthcare system patient's insurance to avoid unnecessary financial strain for patient**
- **Know emergency procedures & may request contact information family etc. to call for emergency support**





# Provider Awareness

- **Meds side effects, elevation symptoms, issues related med noncompliance should be familiar with patient's prescription & med dispensation options**
- **When prescribing should be aware availability specific meds patient location**
- **Should be familiar with whom patient is receiving other medical services**



# Cultural Awareness

- **Shall be culturally competent to deliver services to populations serve**
- **Factors include: client's language, ethnicity, race, age, gender, sexual orientation, geographical location, socioeconomic, cultural backgrounds**
- **Learn about patient community including any recent significant events & cultural mores community**



# Future Trends

- More direct to patient care
- More health “kiosks”
- More remote monitoring – what to do with data??
- Return to emphasis on prevention & primary care
- Expanded use of ancillary providers
- Increased reimbursement & integration TH into healthcare enterprise
- Research dedicated to outcomes – clinical, cost, QoL





**THANK YOU!**

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