Technology SIG

Telehealth Technology Roundup
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Telehealth. Is. Health.

September 17-23, 2023

TELEHEALTH WEEK
AWARENESS ™

ata ™

Working Together to Support Telehealth Awareness

Meet the Panel

Panelists:

Brad Wegrzyn, Co-chair, ATA Telehealth Technology SIG and Director of Virtual Care Technologies – Virtual Care & Digital Health, Providence St. Joseph Health

Gerard Frunzi, Co-chair, ATA Telehealth Technology SIG and Director, Virtual Care, Centura Health

Dianna Vice-Pasch, Telehealth Clinical Specialist, Kentucky Telehealth Program, CHFS Office of Inspector General

Eric Sophir, Partner, Foley & Lardner

Categories of Technology

- ## Hardware
  - Stethoscopes, Otoscopes, Wearables, Sensor patches

- ## Software
  - Mobile applications, Chatbot, AI, mobile Health (mHealth) apps, Telepharmacy, Video Conference Platforms, Virtual Reality, Augmented Reality, Blockchain, Store and Forward Systems, Remote Patient Monitoring

Types of Hardware Devices

Clinic/Hospital Based Devices

- Stethoscope

- Otoscope or Viewing Lens

- Medical sensor patch

Consumer Devices

- Smartphone health app

- Smartwatch

- Wearable activity trackers

- CPAP

- AR/VR

- Remote Patient Monitoring enabled devices: Scales, Blood Pressure monitor, pulse ox, etc.

Considerations for Devices

Clinic/Hospital Based Devices

- Standards and Regulations
  - FDA, Health Department, Accreditation
- Off the shelf vs build yourself
- Long history of use and utility vs New cutting-edge technology
- Purchase vs Lease
- Support and Maintenance
- Billing and License
- State and International borders
- Reimbursement

Consumer Devices

- Accessibility
- Integration opportunities
- Automation
- Alarms and alerting
- Compatibility (Android vs Apple vs other)
- Billing and License

Types of Software

Applications

- Mobile applications

- Computer Applications

- Mobile Health (mHealth) apps

- Telepharmacy

- Video Conference Platforms

- AR/VR

- Store and Forward

- Remote Patient Monitoring

Smart Interfaces

- Chatbot

- Artificial Intelligence

- Diagnostic toolsets

- Blockchain

Considerations for Software

Applications

- Privacy

- Standards and Regulations
  - Software as a Medical Device

- Integration

- Ownership of Data and Software

- Liability and Indemnity

Smart Interfaces

- Ownership Rights

- Intellectual Property

- Privacy

- Ethics and Bias

- Standards and Regulations
  - Software as a Medical Device

Overall Considerations

- Diversity Equity and Inclusion
  - All of this comes at a cost. Who pays for it? Is it covered by Insurance? What about those without insurance or are underinsured?

- User Interface/User Experience - UIUX
  - Is the solution intuitive for both the patient and the care team?

- Regulatory and legal environment
  - Compliance and Assessing Risk

- Licensing Considerations
  - Vendor/customer relationship
  - Structured Costs

- Accuracy and Quality Control

What's New in Technologies and Abilities

Artificial Intelligence Defined

Chatbot - AI enabled and not

Patch monitors

Mobile apps

Health Records

Smart Technology

Best Practices
Selecting a Digital Device Quick Guide
FROM THE ATA'S TELEHEALTH TECHNOLOGY SPECIAL INTEREST GROUP

Major Considerations

Clinical Purpose	Support
User interface	Interoperability
Cost	Connection
Power Supply/Battery Life	Usability
Frequency Range	Data Reliability
Sound Quality	Use Case Tested
Warranties	
Durability	

Questions?

Thank you!

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Technology Implementation

Clinician Training

❖ 1:1 training for all x 30 minutes?

❖ 1:1 training focused on those most interested?

Patient Training

❖ by IT

❖ by clinical expert/coordinator

❖ self training

Full integration with EMR

Standards and regulations

❖ FDA requirements: devices, software

❖ state health agencies

❖ accreditation agencies

❖ operational Support for clinicians and patients