Telehealth and Palliative Care Eric Wallace, MD Medical Director of Telehealth UAB





Knowledge that will change your world

Disclosures

• None related to this topic



What is telehealth?

- Remote healthcare
 - eConsults
 - Patient Portal
 - Text Messaging
 - Videoconferencing
 - Remote Monitoring







WOW – SELF-DRIVING CAR DELIVERS DOMINO'S PIZZA TO YOUR DOOR



RIK MIKALS | October 2, 2018

credit:ford



Why telehealth?

- Geographic disparities in locations of providers
- Disparities exist in the use of palliative care with African Americans and hispanics being less likely to have hospice care at the end of life.
- Caregivers on hospice can be uncomfortable with following care plans and administration of opioids to the detriment of patient and caregiver
- Provider quality of life
- Provider shortages



Exhibi

HPM Doctors per 100,000 Population 65 and Older





Telehealth Planning is More the Videoconferencing





- Order in the EMR
- Arrival Process
- Vital Signs
- Scheduling paradigm
- Meaningful use
- Billing processes
- Buy In



What are possible telehealth models

Type Asynchronous Care **On-Demand** Scheduled Telementoring **Remote monitoring** Setting Home Ambulatory Inpatient



Asynchronous

- Patient symptoms and concerns all collected electronically.
- Sends the data to a provider who then evaluates the data at another time
- Response sent back to the patient





How it Works Conditions We Treat FAQ



Clinician hours: 8:00AM - 5:00PM ~

Welcome to UAB eMedicine!

We're here to help you feel better...fast. Our team of clinicians treats more than 20 common medical conditions virtually. Create an account, complete a short online interview, and our team will review your information and send you a treatment plan generally within an hour.





You'll receive quality care from a trusted UAB eMedicine clinician



Most visits take just 15 minutes



Online visits are \$25, similar to an insurance co-pay



On Demand: Uber Model

- Patient puts in symptoms
- 3-4 providers on call
- First one to answer takes care of the patient



Scheduled Home

- Patient scheduled
- Provider scheduled
 - Operation
 - Interface



Watch Video
Send Message
View Profile

Schedule Appointment Cost per Visit: \$49 may be covered by insurance)

		February 2016						March 2016						
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Remote Patient Monitoring

Augmented self-

management

- FDA listed as a Class I Medical Device Data System (MDDS) in the U.S., Class I MDD and CE registered in Europe, and Class I in Canada
- Home-based kit that includes:
 - Cloud-based hub with a local connectivity
 - Interoperable with different medical devices
 - End-to-end wireless connectivity
 - Two-way connection capabilities
 - Auto blue-tooth pairing

Active monitoring



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Is this the new patient?





Home Delivery Considerations: Internet Connectivity



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Equipment in the Home





Remuneration considerations?



Who is in the home?

- Patient
- Provider led
 - Home Health
 - Hospice Nurse
 - Family Member



Inpatient Consultation

- UAB is currently using Avizia—Now American Well for consultation and documentation
- How do you request the consult?
- Resources at external facilities
- Training at external facilities
- How do you view external medical record?
- How do you order in outside facilities?
- Privileging and Contracts?



Tele-mentoring

- Project ECHO
- Started as a project in New Mexico to treat hepatitis C
- Other use cases are opioid abuse
- Palliative Care



Nationwide Networks for Supersubspecialties: The Exchange



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Equipment



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HIPAA-Equipment

 In order to be HIPAA compliant all communications must be done with <u>encrypted</u> calls

<u>AND</u>

- The user must enter into a Business Associates
 Agreement with the provider of the communications
 AND
- The environment which the call is taken must be HIPAA compliant



Videoconferencing At Medical Facility equipment can be standardize but is expensive, and is not going to be put into place for low volumes of patients. But could be if multiple services were going to use the same equipment.

• Home

- Patient needs a smart phone-of high enough quality to render a diagnosis.
- Need internet. Some platforms test before the call



Stethoscope

- Multiple stethoscopes exist for this purpose with an average cost of \$400-\$500 on top of software licensing when needed.
- Home
 - Is it required?
 - Is it necessary?



Insurance Coverage



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Medicare

- Cannot be the patient's home
- Has to be a medical facility
- Facility has to be located in a rural area
- Does not cover asynchronous care
- RPM covered and not considered telehealth



BCBS

- As of 11/1 covers all services via telehealth
 - Patient cannot be in their home
 - No rural urban distinction
 - No asynchronous care
 - No RPM



Medicaid

- No rural urban distinction
- Does not cover originating sites
- Based on language- only covers physician visits



Economic Models

- Home- Pay out of pocket for service
- Membership access
- Contractual with inpatient facility/hospice



Regulatory



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Joint Commission

- Requires that each originating site ensure THROUGH WRITTEN AGREEMENT that providers meet minimum Medicare Conditions of Participation.
- Furthermore, ongoing privileging and ongoing professional practice evaluation (OPPE) must be provided by the Providers site



Insurance and Liability

- Providers must ensure that there is wording within the insurance coverage to cover the provision of telehealth services.
- If language is not in the current insurance policy, this must added to ensure appropriate liability coverage.





- Privileging
- Contracts
- Consents



Current Data and Projects



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HBPC in an ACO

- 651 decedents; 82 enrolled in a HBPC program compared to 569 receiving usual care in three New York counties who died between October 1, 2014, and March 31, 2016. We also compared hospital admissions, ER visits, and hospice utilization rates in the final months of life.
- Only 20% used telemedicine services, rest only telephone and inperson visits

Lustbader et al. J Palliat Med. 2017 Jan 1; 20(1): 23–28.



\$12,000 lower with HBPC than with usual care
(\$20,420 vs. \$32,420; p = 0.0002)

- 35% reduction in Medicare Part A (\$16,892 vs. \$26,171; p = 0.0037).
- 37% reduction in Medicare Part B in the final three months of life compared to usual care (\$3,114 vs. \$4,913; p = 0.0008).
- 34% HBPC resulted in a 35% increased hospice enrollment rate (p = 0.0005) and a 240% increased median hospice length of stay compared to usual care (34 days vs. 10 days; p < 0.0001).





Lustbader et al. J Palliat Med. 2017 Jan 1; 20(1): 23–28



MUSC

MUSC Plans a Statewide Telehealth Network for Palliative Care

The Medical University of South Carolina is looking to create a statewide telehealth network to give smaller hospitals and clinics a connected health platform for palliative care services.



Project Echo

Project ECHO: A Disruptive Innovation to Expand Palliative Care

- Tele-mentoring
- \$750,000 in the Carolinas for expanding Project ECHO PC
- Results pending





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Why are drone pilots leaving the military?



Conclusions

- Telehealth in palliative care...
 - Improves access to care
 - Decreases fear
 - Will help eliminate disparities if paired with culturally competent palliative delivery
 - Decreases costs and hospitalization
- We are just getting started

