INSTITUTE EHEALTH POLICY FORUM

LEVERAGING TELEHEALTH TO EXPAND ACCESS TO HIGH-QUALITY CARE

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The Telehealth Evidence Base



What evidence are we looking for?

"(I) reduce spending under this title without reducing the quality of care; or

"(II) improve the quality of patient care without increasing spending.

Evidence-Based Telehealth Expansion Act of 2017



Cost Savings I

- Veterans Affairs
 - Home Telehealth Program
 - Reduced 8 admissions per every 100 participants
 - Chronic disease patients have decreased LOS, readmissions, save \$1999/year
 - Store and FWD
 - Saved \$38/consult with specialist



Cost Savings II

- Rural Community members save time, cost of travel, lost wages
- Remote patient monitoring for patients with CHF can reduce ED visits, hospitalizations, and re-admissions
- Telehealth can reduce transfers to ED from SNF, LTF, and Acute Rehab



From Call9



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Quality I

CMMI – Use Telehealth and Remote Patient Monitoring in Home PD

- High Level of Adoption (87%)
 - Home Weight Scale
 - Home BP monitoring
- High Levels of Satisfaction (80%)
- Use of Home Wt scale associated with reduced hospitalization, and LOS
- Use of Home BP associated with increased hospitalization and LOS





Quality II

Care First Foundation Telehealth Grant

- CDRs may improve consistency and quality of care
- Not conducted in Telemedicine environment
- Often patients or non-clinicians assist in applying the CDR
- Is there similar validity when applied via telemedicine compared to inperson?



Validation of the Ottawa Ankle Rules via Telemedicine

- Determine need for x-rays in acute injuries
- Validated in 1991 by Ian Stiell, et al.
- 100% sensitive and 40.1% specific for detecting malleolar fractures
- Reduce 36% of ankle x-rays ordered











Physician and Patient Encounter via Zoom App on iPad



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Individual OAR Question Results to Date

- Tender at 4 (post lat mal) k=0.89
- Tender at 3 (base of 5th MT) k=0.84
- Tender at 1 (post med mal) k=0.80
- Tender at 2 (navicular) k=1
- Weight bearing after injury k=0.94
- 4 steps in the ED k=.83





Overall Results to Date

- 55 enrolled patients of 102 approached
- Agreement between the telemedicine /in-person provider for ankle and foot x-rays was high (both with k>0.84)





- Cost to the small practice or individual provider
- Efficiency of practice/ workflow integration
- Clinical decision making via telehealth
- Stand alone telehealth vs. system based





