Providing patient focused care.

Making the doctor-patient relationship more flexible

Comparing In-Person to Asynchronous Telepsychiatry (ATP)

Aiming towards patient developed and delivered data and video
SPECIALTY CARE VIA VIDEO CONFERENCING

- Teleconsultations in most specialties
- Common Specialties
  - Mental Health
  - Dermatology
  - Endocrinology
WIDESPREAD ADOPTION

Ontario Telemed Network - 67% of 200,000 consults in 2011/12

VA – 460,000 patients reported 2012 (Godleski et al 2012*)

Corrections – Texas – 10,000/year from 2006

Multiple private companies and hybrid usage
**TELEPSYCHIATRY BENEFITS**

- People like it...high satisfaction ratings
- Some prefer Telepsychiatry
- Clinical guidelines available
- All mental health disciplines-in multiple settings
- Health outcomes equivalent to in person care
- Collaboration better than in-person
- Clinical exclusions- refusal or physical danger
TELEPSYCHIATRY IS UNIQUE

- Encourages intimate conversations and clinical observation
- May be preferable in some clinical situations
  - Children
  - Paranoia
  - Anxiety
  - PTSD
  - Elderly/Disabled
INTRODUCING

THE UC DAVIS VIRTUAL COLLABORATIVE CARE PROJECT
EQUIPMENT IS MOBILE

Cameras

Dedicated speakerphone

Videoconferencing software
ASYNCHRONOUS TELEPSYCHIATRY

Clinician
Nurse, Counselor, and other Therapist

Patient

Video is routed to psychiatrist.
ASYNCHRONOUS TELEPSYCHIATRY

1. Semi-structured clinical interview recorded.
2. Video & History sent securely to Psychiatrist.
3. Psychiatrist sends opinion to provider.
4. Provider may discuss with the psychiatrist as required.
PREVIOUS RESEARCH ON ATP

1. PRIMARY CARE/FQHC
   English/Spanish feasibility, diagnostic reliability & cost-benefit

2. PRIMARY CARE/FQHC
   English/Spanish language translation feasibility

3. PRIMARY CARE/PRIVATE PRACTICES
   Provider acceptability and sustainability

4. MILITARY SPECIALIST MENTAL HEALTH SERVICES
   – feasibility
ATP SUMMARY OF FINDINGS

Diagnostically reliable across differing language groups with translation

Not suggested for therapy

Can be used for monitoring treatment progress

Easier management/admin/scheduling

Improved communication between patient and reporting provider
CURRENT CLINICAL TRIAL OF ATP VS. STP

Funded by

5-year RCT of English & Spanish, comparing:

STP

ATP
CURRENT CLINICAL TRIAL OF ATP VS. STP

Compares:

• Clinical effectiveness/outcomes over 2 year follow-up
• Patient and provider satisfaction
• Efficiency, access and cost effectiveness
CURRENT CLINICAL TRIAL OF ATP VS. STP

UC Davis Prima Care Network

Woodland Dignity Health Clinic
THE VCC TEAM

- Peter Yellowlees MD
- Alberto Odor MD
- Lorin Scher MD
- Michelle Parish MA
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- Breanne Harris BA
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- Bill Brady MD and Auburn Clinic staff – UCD PCN
- Jeff Yee MD and Woodland Clinic staff – Dignity Health
- CHT technical team – George Wu, Kalim Simon
- EMR Epic team – Mike Minear
- Psychiatry Outpatient Clinic – Becky Mackey
- Don Hilty MD USC
- Jay Shore MD U Colorado
NEXT STEPS IN STUDY OF ATP

• Primary care integration
• ATP consultations-used for comparison over time, facial movement/language recognition systems.
• Patient empowerment – self recording of own videos – need algorithms to increase diagnostic reliability of these.
• Smart phone applications/ closed social networks
I have been feeling depressed for the last 5 days

Me he sentido deprimida durante los últimos 5 días
REAL-TIME LANGUAGE INTERPRETATION: WHY IS LANGUAGE IMPORTANT?

• In 2002, approx. 6 million immigrant adults aged 18-64 did not speak English well. More than 2.5 million did not speak English at all.

• Professionally-trained interpreters are often not available in community-based practices.

• Failure to use interpreters→
  – ↑ hospital admission rates
  – ↑ use of testing
  – poorer patient comprehension
  – misdiagnosis and improper treatment
REAL PATIENT AND VIRTUAL THERAPIST?
POSSIBLE STUDENT PROJECTS

• Investigate new models of care, workflows, provider roles needed to support evolving hybrid provider-patient relationship – anytime, anywhere – mobile, primary care collaboration

• Innovations in informatics technology: Use of facial, movement and voice recognition systems for communication, screening and diagnosis.

• Focus on patient/consumer developed and delivered health data such as video - the next wave of telemedicine
sending virtual hug

loading...

hug sent!

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