Telehealth for Autism Spectrum Disorder

I have nothing relevant to disclose.
Team Work to Better the Outcomes for People with Autism: Connect people on the spectrum and their families with Evidenced Based Therapy

Discussion How can we increase the number of children in our community who receive autism screening?
Florida Tech & The Scott Center

Florida Institute of Technology

• Private doctoral university founded to support the space program
  • A Tier 1 Best National STEM University by U.S. News
  • A Fiske Guide to Colleges Top Ten school for Applied Behavior Analysis (ABA)

The Scott Center for Autism Treatment

• Is a 501(c)(3) with a three-fold mission of clinical intervention, research, and provider training based on the science of ABA
  • Operates under the auspices of the Florida Tech College of Psychology
    • Attracts patients and trains providers from around the world
    • Is housed in a modern 22,000 sq. ft. multi-use, LEEDS certified facility
  • Has launched an evidenced-based ABA tele-practice program to improve services access for children, caregivers, providers
Telehealth – Kind of a Big Deal

- A virtual appointment costs an average $79. That’s much less than the $146 it costs for an office visit.
- When the Veterans Health Administration (VHA) used telehealth for their post-cardiac arrest care program, hospital readmissions reduced by 51%.
- The Telehealth market in 2014 was valued at $15.6 billion and it is predicted to increase to $20 billion by 2019.
- American employers could save up to $6 billion per year by offering telehealth to their employees.

What is Telehealth and Telemedicine?
The Answer is…

50%  Indistinguishable w/ intervention

2%   Indistinguishable w/ out intervention

100% AAP guidance on universal screening

40%  % screened by age 4
Screening Awareness Poster for
(24” x 36”)

DON’T
Miss a Step
Track Your Child’s Developmental Milestones

Is your child reaching these developmental milestones?

36 Months
• Talking
• Walking

24 Months
• Sleeping through the night
• Two or more words
• Circling a large object

12 Months
• Clapping
• Crawling

9 Months
• Responsive to familiar names
• Pulls to stand

6 Months
• Responsive to name
• Uniform laughter

4 Months
• Unassisted sitting

Respond to a Focus

Visit ScreenOurKids.org for More Information
Screen Our Kids.org

- 20 yes/no questions that can be completed quickly and easily.
- Same scientifically validated method used by pediatricians
- Results can be saved in a PDF format to share with health care providers
- An account with Screen Our Kids lets you save and access past results, multi-child capability
- The screening can be retaken, giving you access to results over time
- The Screen Our Kids site is HIPAA compliant, secure, and private
Online ASD Diagnosis

- Vanderbilt Kennedy Center for ASD study confirms efficacy of online diagnosis for ASD conducted via HIPAA compliant videoconference.
- 80% accuracy rate and no children inaccurately classified. In 20% of children, telemedicine provider did not have enough information for diagnostic certainty.
- Virtual procedure includes:
  - Brief medical and psychosocial interview
  - MCHAT or STAT
  - DSM-5 ASD diagnostic interview administered by licensed psychological provider
- Provider completes a DSM-5 Symptom Checklist to indicate presence or absence of symptoms consistent with established ASD diagnostic criteria.
Evidenced-Based ASD Interventions

- Applied Behavior Analysis (ABA)
- Speech and Language Therapy (SLT)
- Occupational Therapy (OT)
- Physical Therapy (PT)
- Picture Exchange Communication System (PECS)
- Alternative and Augmentative Communication (AAC)
ASD Intervention via Tele-Practice

For Families

• Functional Behavioral Assessments
• Early Intervention using the Denver Early Start Model
• Functional Communication Training
• Parent Training w/ Parent Child Intervention Assessment
• Acceptance and Commitment Therapy

For Providers

• Therapy Protocols and Curriculum
• Licensing, Compliance, HIPAA
• Scheduling and Supervision based on BACB Standards
• Revenue Cycle Management
• Electronic Health Records
• Training & Education
Benefits of Virtual ASD Intervention

- Better outcomes for patients in underserved areas
- Reduced cost per capita to deliver services to individuals, healthcare and school systems
- Increased system capacity, the same number of providers delivering more services
- Enhanced patient and caregiver satisfaction convenience, personalization