

Technology "Meet the Parents" - Ron Oberleitner

1996 – 2019: 'Home Life and Passion'



Disclosure -

CEO, Shareholder of Caring Technologies, Inc. (Boise, ID), dba Behavior Imaging





Technology "Meet the Parents" - Ron Oberleitner



Telemedicine w/ Operation Smile

Disclosure -

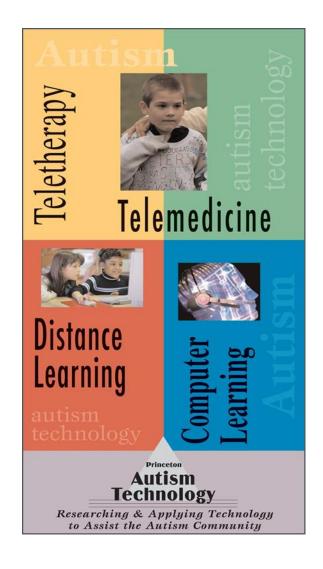
CEO, Shareholder of Caring Technologies, Inc. (Boise, ID), dba Behavior Imaging 1996 – 2019: 'Home Life and Passion'







Idaho Rural Health Telemedicine Network (2003!)





2002- First PSA for Autism Telehealth video

- · 2005- Autism Telehealth presented at ATA
- 2006- 'Technologies to Lessen the Distress of Autism' book chapter
- 2007- 1st Autism Telehealth Summit
- · 2010- Telehealth for Rural Therapy via Military Project





Telehealth' for Autism Healthcare

Medical



Sleep issues Seizures Obesity GI Genetic

Mental' Health



Earlier Diagnosis (waitlists)
Anxiety
Depression / Suicidality
Behavior in Natural
Environment
Med Management

<u>Why???</u>

- ➤ Conventional care is \$\$\$, unsustainable
- > 25% (non verbal) can't communicate their health needs
- ➤ Distance from helpful Providers (helpful experts is another trip for patients.)
- > Behaviors and Medical symptoms don't always appear at office visit
- ➤ People with ASD needlessly die younger!





Realtime Telehealth

Diagnosis via Realtime Telemedicine



 Reischl, U, Oberleitner, R, Simper P, Connecting Autism Families with Emergency Support (Katrina Families aided by Telehealth Technologies), Northwest Public Health, Fall, 2006

Connecting Autism Families with Emergency Support

eischl eitner,

n August 2005, Hurricane Katrina created serious public health problems in the coastal communities of Louisiana, Mississippi, and Alabama by destroying or degrading the capacity of many communities to deliver critical social services. Among the people adversely affected by the hurricane were more than 50,000 families with a member who has autism. People with autism can have great difficulty adjusting to change. The disruption of daily routines can cause severe anxiety and stress not only for the people with autism but also for their families and caregivers. During the evacuation from Hurricane Katrina, for example, many autism families were asked to leave public shelters because of the disruptive behaviors of their children. These families were in desperate need of services that local, state, or federal agencies could not provide at the time. In response, autism support groups mobilized to help.

Autism challenge

Autism is one of the fastest-growing and most prevalent childhood developmental disorders in the United States, affecting as many as one in every 166 births. Autism is a neurological disorder that interferes with normal development in language, intuitive thought, social interac-



tion, and the ability to connect with surroundings. Approximately half of all children with autism are unable to communicate their needs using spoken words. Most are unable to accommodate changes in their daily routines. Associated problems can include hyperactivity, self-injurious behavior, sleeplessness, eating disorders, and gastrointestinal problems. Order and consistently administered therapeutic interventions are important for the child and the family's well-being.

Relief initiative

To help autism families deal with the after-effects of Kartins, a consortium of leading national autism organizations, coordinated through the Center for Health Policy at Boise State University (BSU), formed an emergency relief and recovery initiative in September 2005, called Autism Cares (www.autismcares.org). The initiative began in order to raise funds and provide immediate help by leveraging the existing network of autism support groups. The consortium includes a number of support organizations: Autism Speaks, Cure Autism Now, First Signs, TalkAutism, Southwest Autism Research and Resource Center, Unlocking Autism, The Help Group, and Princeton Autism Technology.

The services provided by the AutismCares initiative was made possible by the support received from volunteers living in the affected coastal regions and by the volunteers at BSU who contacted displaced families using the Internet and telephone. Key to locating displaced families was the sharing of contact information, family names, and known addresses contained in the files of the autism support group membership lists.

To date, AutismCares has raised more than \$140,000 for the relief program. Additionally, in-kind donation offers were received from more than 700 people from across the country. Christ-









Realtime Telehealth (aka Live Virtual Interactions)



By Chris Langrill, News and Community

April 26, 2018

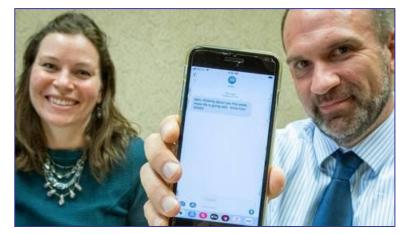


Dr. J. Timothy Leavell has been aware for some time that Idaho families have had go to great lengths – literally – to come see him at his office.

"I began to think, first of all, about the people coming from McCall," said Dr. Leavell, whose Meridian office is part of the St. Luke's Children's Center for Autism and Neurodevelopmental Disabilities. "They would drive two hours for a 30-minute follow-up visit. And you stop and think, "That doesn't make any sense at all. That's a huge waste of time."

So, for some time, Dr. Leavell has been excited about the possibility of bringing telemedicine to his clinic. But first, some legislative hurdles had to be overcome. After legislators made some changes to Idaho's laws, Dr. Leavell was eager to take the next step with his clinic.

Secure Videoconferencing



Secure Text



Collbaorative Care During Patient visit with Family Doctor



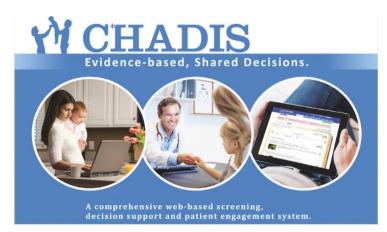


Other Telehealth Technologies

Asynchronous Telehealth



Behavior Imaging



Remote 'screeners' / questionnaires

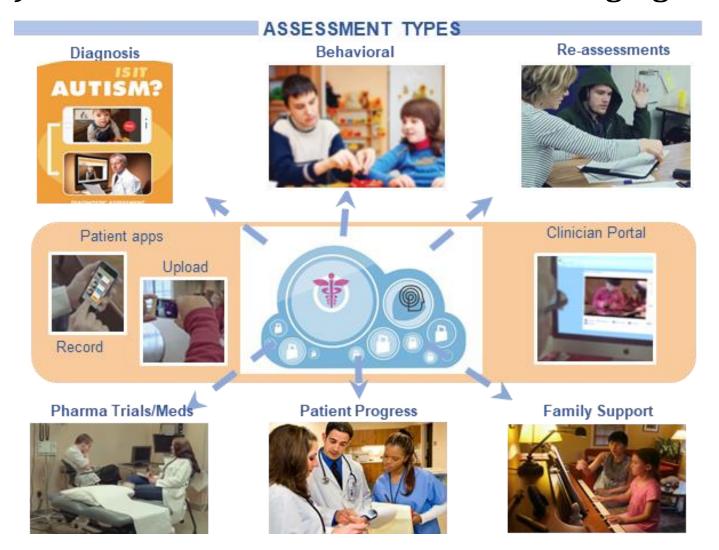
Remote Monitoring / Patient-centric apps







(Remote) Health Assessments via Behavior Imaging







What Families do.... What Clinicians do....



Diagnostic Assessments

NODA Capture



- Behavior Assessment
- Remote Consultation
- Staff / Parent Training
- Skill Assessment

Behavior Capture



- Medication Management
- Better Pharma Trials



Expert 'Radiology' Suite



Eg. Organize per DSM 5



behaviorimaging.com



Expertise in the Field







Diagnosis



Treatment / Supervision



10 States, 4 Countries, 9+ Publications

40 States, 7 Countries, 20+ Publications





Results vs. Traditional Methods

Diagnostic Assessment ...

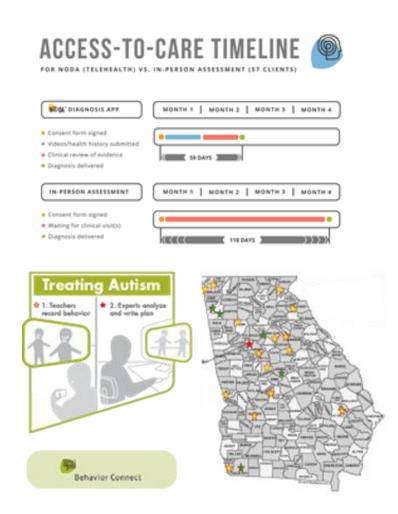
- 88% agreement to InPerson
- ½ the time for Diagnostic Assessment

(Functional) Behavior Assessment

- Response = 1 vs. up to 30 days (t)
- 42% less costly (\$)
 - Eg. Saves \$12,000 / year per client
- Save Clinical Time (reduce travel)
- 43% less data collection errors
- Video data invaluable to measure progress











System of Care Telehealth Platform



How would it work for the most FAMOUS behavior specialist? https://youtu.be/El9-t58S8no?t=10





Telehealth Call to Action!



