

Learning Objectives

- 1. Understand the short and long term, data-driven management of complex patients with TSC and Epilepsy with anxiety and aggressive behavioral issues
- Understand the collaboration of the care givers, doctors (Psychiatrist, Neurologists, Behavioral Specialists), and services that are needed to understand and create and iterative plan





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Relation: Nathan: Son 26 Years of Age









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The Road to Data Driven Collaboration

- The Time Line:
 - Seizure control
 - Adaptive education / IEPs
 - Tracking medication effectiveness and time laps side affects
 - Monotherapy, cocktails and behaviors
 - Applied Behavior Analysis (ABA) and Cognitive Behavioral Therapy (CBT) effectiveness
 - Combination of ABA + CBT + Psychiatrist + Psychologists + Neurologists + Caregivers = Roadmap to training and control



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Complexities Along the Way

- Interoception/executive functions and abstract thinking
- Medications: Ramp/anxiety and emotional aggression
- Independent living/Quality of life balance
- Family and schools influence
- Physical weight gain & medical conditions (MRIs, anesthesia)
- Food and sleep
- Collaboration with Psychiatrist, Neurologists, Behavioral Specialists





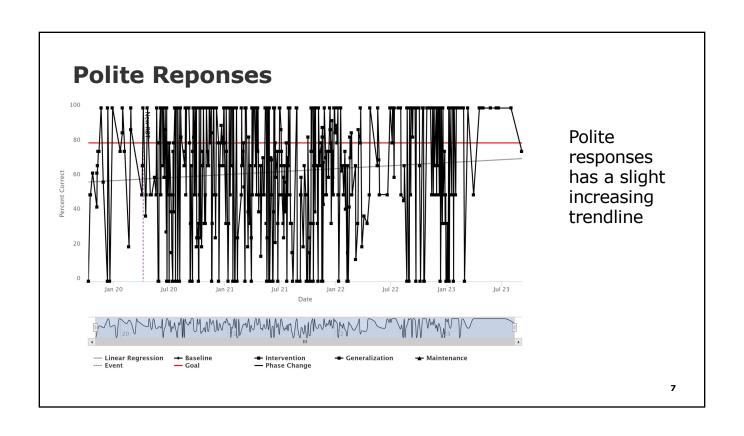
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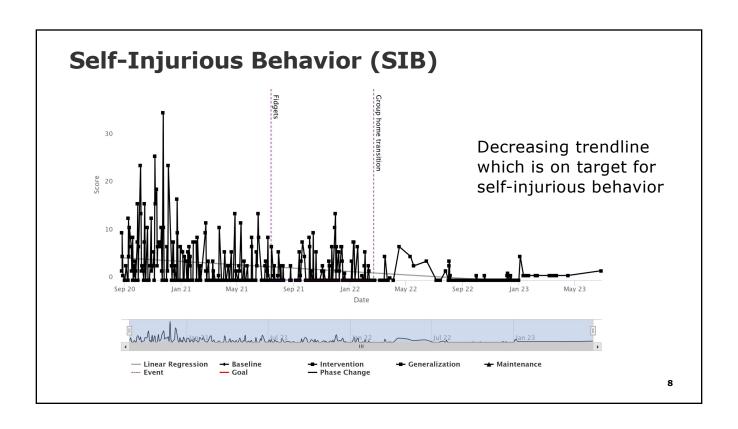
Collaboration Examples

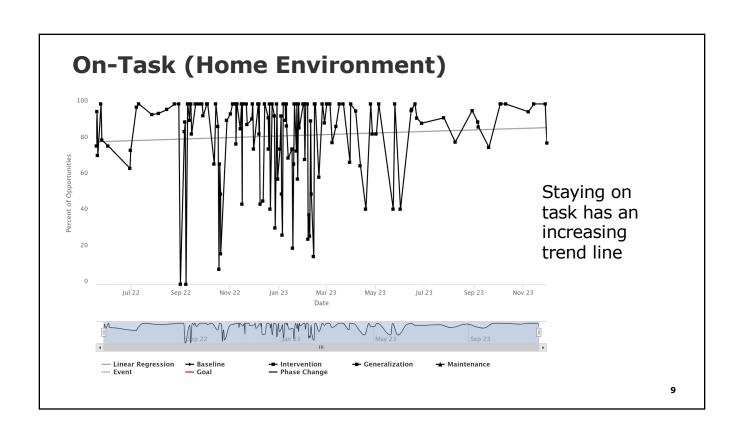
- Data gathering around aggression, medication administration, food, sleep and incidents (positive and negative) gave insight to cyclic outbursts, lows and highs
 - Holidays
 - Reaffirmations of social engagement
 - Surprise avoidance
 - Medication mono-therapy and ramp
 - Download/regular counseling (with ABA and CBT application)

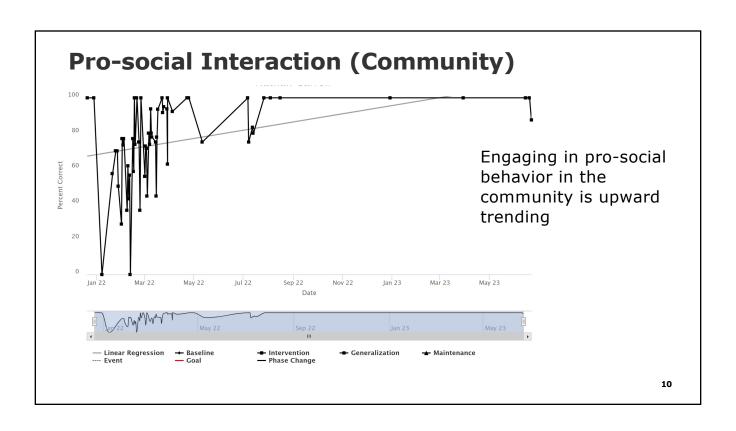


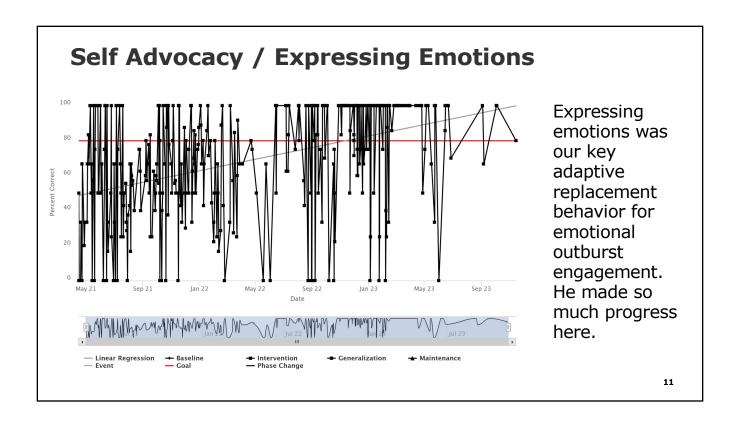
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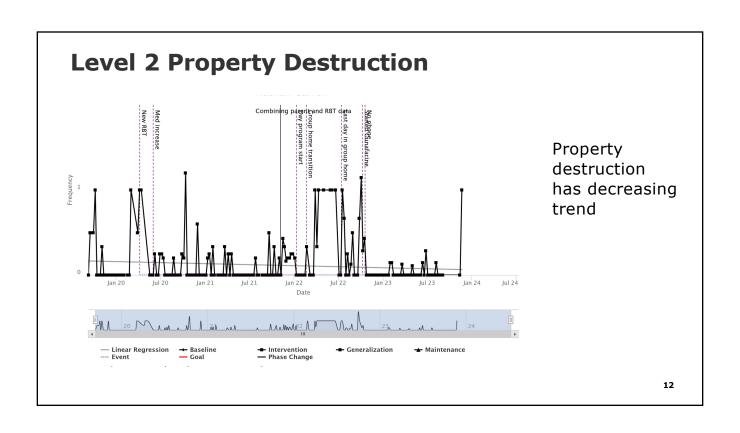


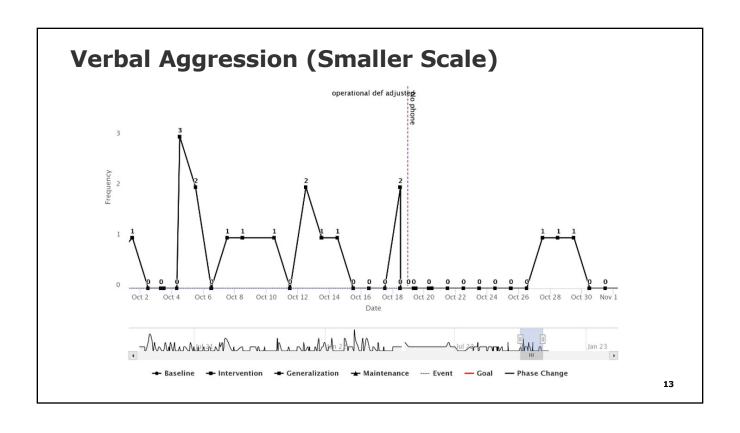












Wrap Up - Last Slide Walk Aways

- Imperative to gather a baseline of data, and update with significant changes
- Important to identify cyclic behaviors that can be treated with ABA, CBT, and medications
- Important to collaborate with caregivers and doctors alike to understand medications, side effects (weight gain, anxiety, emotional and clouded thinking)
- This is both directions: physicians, parents and caregivers to start the collaboration discussion beyond simply control of seizures. Bringing data to start the conversation helps.



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