

NEUROFEEDBACK TRAINING

INCREASING ENROLLMENT BY OFFERING INNOVATIVE NEEDS BASED PROGRAMING

WAVES TO WELLNESS

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This proposal has the following goals

- **Develop a plan to enhance building enrollment throughout HCSD.**
- **Maintain Hartnett as a community centered elementary school.**
- **Create innovative programing on a local and regional level.**
- **Bring proven new technologies to students with special needs.**

“Brain dysfunction is the number one reason people fail at school, at work and in relationships. When the brain is ineffective so are we.”

“The brain is the super computer that runs your life.”

Dr Daniel Amen

Neuroplasticity: *The brain's ability to reorganize itself by forming new neural connections throughout life.*

Neurofeedback: *An exercise for the brain that harnesses that potential.*

*Enhance school performance,
Resolve behavior problems,
Increase attention & capability
through brain training.*

Neurofeedback
a medication free alternative.

NEUROFEEDBACK IMPROVES:

- Social and emotional skills
- Learning disabilities
- Self-control and organizational skills
- Sensory processing
- Anxiety, depression and PMS
- Handwriting and coordination
- Insomnia, nightmares, bedwetting
- Asthma, allergies and immune function
- Headaches and chronic pain
- IQ and test performance
- Movement disorders
- Post concussion recovery



OCT 5, 2012

Biofeedback now a “Level 1 — Best Support” Intervention for Attention & Hyperactivity Behaviors

By: SharpBrains



[PracticeWise](#), the company that maintains the American Academy of Pediatrics “Evidence-based Child and Adolescent Psycho-social Interventions” (see [current edition here](#)) has just announced it will elevate biofeedback to “Level 1

— Best Support” as an intervention for Attention & Hyperactivity Behaviors in the next edition. Working Memory Training will stay at Level 2 — Good Support. Studies influencing the decision included:

From the journal *PEDIATRICS*

**In-School Neurofeedback Training for ADHD:
Sustained Improvements From a Randomized Control Trial**

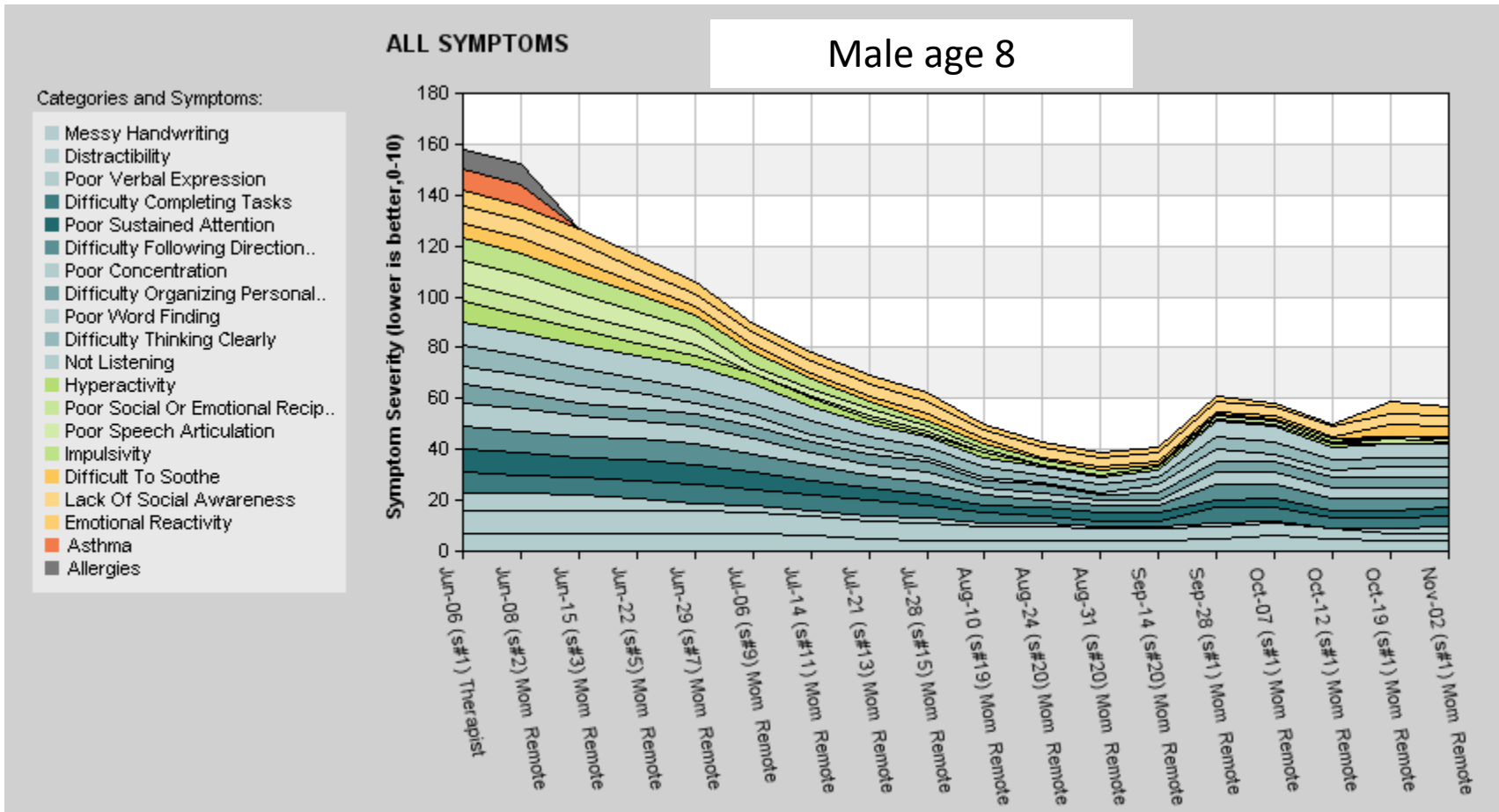
CONCLUSIONS: Neurofeedback participants made more prompt and greater improvements in ADHD symptoms, which were sustained at the 6-month follow-up, than did CT participants or those in the control group. This finding suggests that **neurofeedback is a promising attention training treatment for children with ADHD.**

Published February 17, 2014

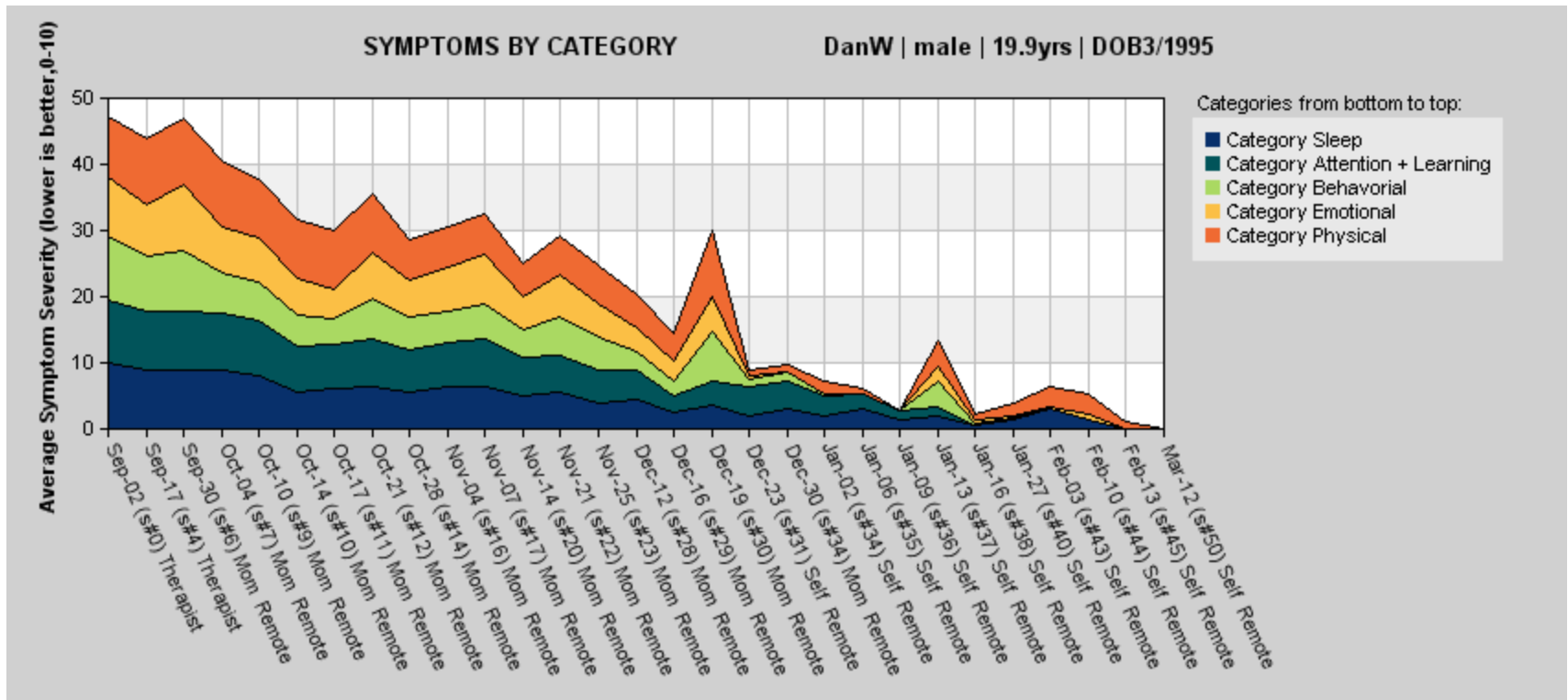
The field of pediatrics is recognizing the advantages of neurofeedback training compared to medications for ADHD

February 26, 2014, An article highlighting this study published in Medscape Medical News titled, *Neurofeedback for ADHD: Significant, Lasting Improvement*, points out that "Recent studies have demonstrated limitations of medication in the long term; hence, treatments that have more sustained effects in ADHD are much needed." This article describes neurofeedback as a "promising avenue for the treatment of ADHD."

Chart showing mother's rating of changes in symptom severity during & after neurofeedback



17 year old male: severe behavior, sleep & mood regulation challenges, symptom improvement in 45 sessions



Is neurofeedback cost effective?

- Reduce need for behavioral one on one aids
- Reduce disruptions, improve learning
- Reduce the need for other supportive services
- Enhance the effectiveness of other therapies
- Enhance student success, lower dropout rate
- Increase attendance rate
- Reduce juvenile delinquency and crime
- Cost per student \$2000 - \$4000
- 6 student neurofeedback pilot program, \$20,000

Neurofeedback can be incorporated into our existing programming and/or enhance the other program options presented tonight. We can attract students into our district by offering innovative programming that more effectively meets the needs of students who are struggling by using proven new technologies.