

ARNETT LAB

Newsletter



Boston Children's Hospital
Laboratories of Cognitive Neuroscience

RESEARCH FINDINGS

Parent reports show that children with ADHD have reduced effortful control (EC) and lower performance on lab tasks of cognitive control (CC) compared with their typically developing peers. EC is understood as the ability to self-regulate during every day activities; CC is measured as performance on laboratory tasks of processing speed, inhibition, and working memory. Erica Ferrara, MA recently examined the relationship between EC and CC, and their individual associations with ADHD symptom severity. She found that EC and working memory are uniquely associated with ADHD symptoms, and together they explain more than half the variability in ADHD symptom severity. This means that it may be useful to include measures of EC (parent report of temperament) and CC (laboratory tasks) when evaluating a child for ADHD.

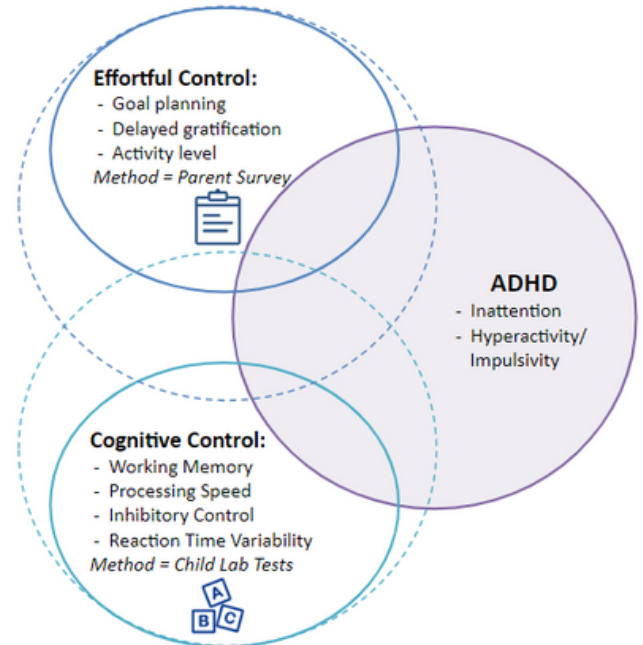


Figure: EC and CC explain unique variance (solid line) rather than shared variance (dashed line) in association with childhood ADHD symptoms.

MEET THE TEAM

Matthew Zimon joined the Arnett Lab in September 2022 as a clinical research assistant. He graduated from Tufts University last May with a B.S. in Clinical Psychology, Spanish Literature, and Music. Matthew hopes to go to graduate school in the near future to pursue a PhD in Psychology. When not at work, Matthew enjoys playing board games, practicing the piano, and spending time with friends.



FUNDING UPDATES

RHINO-Mites

This fall, we received a supplement award from NIMH that supports collection of genetic data and longitudinal follow-up on our RHINO-Mites participants!

The BAT Study

We have received funding for a new study from the Translational Neuroscience Center! The goal of this study is to find brain markers in children that will predict which ADHD medication will work best for them.

CURRENTLY RECRUITING

RHINO Study

-We are currently recruiting 9-11 year old children WITHOUT ADHD to participate as healthy controls in our RHINO Study

RHINO-Mites Study

-We are currently seeking 2.5-4 year old children with or without a family member who has ADHD

CONTACT INFORMATION

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