

University of California, Irvine
Child Development Center

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Multimodal Treatment study of ADHD (MTA)

- Randomized Clinical Trial and Follow-up
 - NIMH funded randomized clinical trial of 7-9 year olds
 - Naturalistic follow-up through adolescence
 - 6 sites; 878 participants; 10 assessment points over 12 years
- Primary data collection
 - Self report of symptoms, psychosocial outcomes, med use
 - Childhood and pubertal height velocity and adult stature
 - School Records (funded by US Department of Education)
- Add-On Studies from RO1 funding
 - Neuroimaging
 - Genetics
 - Tobacco Use
- ARRA funding (NIDA funded evaluation of substance use in adulthood)
 - Adult outcomes
 - Qualitative interviews
 - Neuroimaging

Data sharing

■ Productivity and Discovery

- NIMH established public access for 1999-2009 data
 - 579 ADHD and 189 age-matched comparison group
 - Currently does not include “add on” data
 - Mix of standardized instruments and internally created items
- The MTA group has published 84 studies 1994-2010 while 1 has been published by outside investigators

■ Enhancing Discovery

- NIDA funding in 2009 for substance use outcomes
- Priority to improve public access and use of MTA data

Enhancing Discovery

- Internal integration of primary data collection and add-on research
- Link MTA to other databases and forums
 - This becomes more important for adult outcomes and the next phase of the MTA
 - Reciprocal Benefits
- Collaboration with Techies
 - Tools for collection and analysis
 - Tools for dissemination

External Data and Resource Needs

- Substance Use and Abuse Assessment
 - Best practices for utilizing self-report data
 - Beyond self-report: (service use, criminal justice records)
- Biological assessments to amplify value of data
 - Neuroimaging
 - Genetics
- Technical Assistance
 - Network of analysts working on multi-disciplinary projects
 - Integration across multiple exposures and outcomes

Overcoming Obstacles

- Database management
 - Balancing public access and privacy
 - Priorities and bottlenecks
- Statistical support
 - Personnel experienced with specific methods and programs
 - Need for training to use new and creative approaches
- Multi-site project
 - Prioritizing across multiple investigators
 - Maintaining funding for longitudinal studies (NIMH to NIDA)