

Age	Study Title and Description	Study Involvement	Clinical Diagnosis
ALL AGES	<b><u>SPARK: Simons Foundation Powering Autism Research and Knowledge</u></b> The SPARK study will recruit 50,000 individuals with Autism Spectrum Disorder (ASD), and their family members, from across the U.S. to join an online registry. DNA will be collected through saliva samples. The purpose of this national registry is to identify causes of ASD. <i>To register, visit <a href="http://sparkforautism.org/ucd">sparkforautism.org/ucd</a></i>	<input checked="" type="checkbox"/> National online registry <input checked="" type="checkbox"/> Saliva Samples <input checked="" type="checkbox"/> Questionnaires # Visits: 0	Autism Spectrum Disorder
ALL AGES	<b><u>(BB) National Fragile X Foundation (NFXF) Collaborative BioMarker Research</u></b> The purpose of this study is to improve clinical care for individuals with FX-associated disorders through a biobank.	<input checked="" type="checkbox"/> Biobank <input checked="" type="checkbox"/> Blood Draw # Visits: 1	Fragile X Syndrome
6-18 months	<b><u>(SCREEN) Online Screening for Autism in the Community</u></b> This project tests two methods of screening for ASD using an online system. Parents will complete brief screening tools online when their child is 6, 9, 12, 18, & 24 months old. At 24 months, any children whose screening indicates developmental concerns will be invited for an optional visit to the MIND Institute for assessment.	<input checked="" type="checkbox"/> Online # Visits: 1 [optional], if eligible	Typical Development
12-18 months	<b><u>(Early Risk) Shared and Distinct Developmental Pathways to ADHD and ASD</u></b> The goal of this study is to understand the earliest signs of autism, ADHD, and other developmental concerns in infancy. This study is recruiting babies who have: (1) a typically developing older sibling, or (2) an older sibling or parent with ADHD.	<input checked="" type="checkbox"/> Assessments # Visits: 3-4	ADHD or Typical Development
12-30 months	<b><u>(LeaP) Learning Preferences in Toddlers with ASD</u></b> The purpose of this study is to determine what kinds of images and videos toddlers with ASD prefer to look at and learn from, and how those preferences may change after behavioral treatment. This study will conduct an ERP test, which uses a soft stretchy hat to measure brain activity.	<input checked="" type="checkbox"/> Assessments <input checked="" type="checkbox"/> ERP # Visits: 1-2	Autism Spectrum Disorder, Typical Development
1 to 18 years	<b><u>(Kids First) Kids First Initiative by the Hartwell Foundation</u></b> This study is an <i>online</i> study that will require families to enroll in a database and complete questionnaires regarding demographic and behavioral information. The goal of the study is to collect information about each child to create better classifications for Autism Spectrum Disorder.	<input checked="" type="checkbox"/> Online <input checked="" type="checkbox"/> Questionnaires # Visits: 0	Autism Spectrum Disorder
2 to 4 years Females	<b><u>(GAIN) Girls with Autism - Imaging of Neurodevelopment</u></b> The purpose of the study is to identify biological differences in brain structure and connectivity in girls with Autism Spectrum Disorder.	<input checked="" type="checkbox"/> Blood Draws <input checked="" type="checkbox"/> MRI <input checked="" type="checkbox"/> Assessments # Visits: 3	Autism Spectrum Disorder, Typical Development
2 to 3 ½ years Males	<b><u>(NAPP) New Autism Phenome Project</u></b> The primary goal of this study is to define different types of autism and to determine how autism is different from other childhood developmental disorders. By defining different subtypes of autism, we hope to find the cause(s) and better treatments for each type.	<input checked="" type="checkbox"/> Blood Draws <input checked="" type="checkbox"/> MRI <input checked="" type="checkbox"/> Assessments # Visits: 3	Autism Spectrum Disorder, Typical Development
2 to 3 ½ years	<b><u>(BRAIN) Brain Research in Autism- Investigating Neurophenotypes</u></b> This study examines different patterns of brain development in ASD, specifically focused on evaluating brain size.	<input checked="" type="checkbox"/> Blood Draws <input checked="" type="checkbox"/> MRI <input checked="" type="checkbox"/> Assessments # Visits: 4	Autism Spectrum Disorder
2 to 5 years	<b><u>(CHARGE) Childhood Autism Risks from Genetics and the Environment</u></b> The goal of this study is to examine factors in the environment that are associated with ASD and other neurodevelopmental disabilities. <i>Please note: children with Autism Spectrum Disorder must be clients of Alta, North Bay, Valley Mountain, or East Bay Regional Center.</i>	<input checked="" type="checkbox"/> Blood Draws <input checked="" type="checkbox"/> Assessments # Visits: 1-2	Autism Spectrum Disorder, Down Syndrome or Developmental Delays (without ASD)

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For more information and to sign-up for our research registry visit <https://vr.ucdmc.ucdavis.edu> or email [hs-mindvr@ucdavis.edu](mailto:hs-mindvr@ucdavis.edu)

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2 to 8 years	<b><u>(MTG) Mind the Gap</u></b> The goal of this study is to provide resources and education for parents/caregivers of children with Autism Spectrum Disorder to meet their needs as they await services.	<input checked="" type="checkbox"/> Forms/Surveys <input checked="" type="checkbox"/> Meetings (2 per month)	Autism Spectrum Disorder
3 to 6 years	<b><u>(DelTA) Shaping Patience in Young Children Ages 3-6</u></b> The purpose of this study is to develop and test a computerized “app” to teach self-control in children 3 to 6 years old who have challenges with self-control or impatience. All sessions with the child can take place at school and parent and teacher surveys are completed online, so it is not required to visit the MIND Institute.	<input checked="" type="checkbox"/> Forms/Surveys <input checked="" type="checkbox"/> Assessments <input checked="" type="checkbox"/> App training sessions # sessions: 14	Typically Development or ADHD, impulsive behavior
3 to 12 years	<b><u>(BOS) Brief Observation of Social Communication Change in Children with Fragile X Syndrome</u></b> The goal of this research study is to learn more about how measures of expressive language and social communication can be used to measure change over time in communication skills, problem solving, and other behaviors in children with fragile X syndrome.	<input checked="" type="checkbox"/> Assessments # Visits: 3 [1 optional]	Fragile X Syndrome
3 to 10 years	<b><u>(ABMT) Attention Bias Modification Training in Children with fragile X syndrome</u></b> The goal of this study is evaluate a treatment created to reduce anxiety in children with fragile X syndrome.	<input checked="" type="checkbox"/> Assessments <input checked="" type="checkbox"/> EEG <input checked="" type="checkbox"/> Eye tracking <input checked="" type="checkbox"/> Blood draw # Visits: 10 (weekly)	Fragile X Syndrome
6 to 12 years	<b><u>(Social Phenotype) Exploring the Social Phenotype of 22q11.2 Deletion Syndrome and Idiopathic Autism Spectrum Disorder (iASD)</u></b> The purpose of this study is to examine the potentially different biobehavioral bases of social impairments in 22q11.2 deletion syndrome and ASD with no known cause (idiopathic).	<input checked="" type="checkbox"/> Assessments # Visits: 2	Autism Spectrum Disorder or 22q11.2 Deletion Syndrome
6 to 25 years	<b><u>(TOOLBOX) A Cognitive Test Battery for Intellectual Disabilities</u></b> The purpose of the study is to explore whether certain types of intellectual or cognitive tests are reliable, valid, and sensitive to improvement in evaluating treatment responses among individuals with intellectual disability.	<input checked="" type="checkbox"/> Assessments # Visits: 2-3	Fragile X Syndrome, Intellectual Disability
6 to 25 years	<b><u>(MET) A Double-Blind, Placebo-Controlled Trial of Metformin in Individuals with Fragile X Syndrome</u></b> The goal of this 4-month placebo-controlled trial of metformin, a common type 2 diabetes medication, is to examine whether it is beneficial for improving language, cognition, and behavior in children and adults with FXS.	<input checked="" type="checkbox"/> Assessments <input checked="" type="checkbox"/> Medication <input checked="" type="checkbox"/> Blood Draws # Visits: 3	Fragile X Syndrome
8 to 12 years	<b><u>(STAAR) Specifying and Treating Anxiety in Autism Research</u></b> The goal of STAAR is to better characterize anxiety in ASD and test medication and behavioral therapies for anxiety in children with ASD. Participants will be offered medication, behavior therapy, or both.	<input checked="" type="checkbox"/> Blood Draws <input checked="" type="checkbox"/> MRI <input checked="" type="checkbox"/> Assessments # Visits: 1x per week for 16 weeks	Autism Spectrum Disorder with a clinical diagnosis of anxiety or symptoms of anxiety
12 to 18 years	<b><u>(CARPP) Cognitive Affective Risk and Protective Factors for Psychosis in Chromosome 22q11.2 Deletion Syndrome</u></b> The purpose of this study is to look at the biological reactions to stress and anxiety levels and how they impact the brain and mind.	<input checked="" type="checkbox"/> Saliva Samples <input checked="" type="checkbox"/> MRI/ EEG <input checked="" type="checkbox"/> Assessments # Visits: 2	22q11.2 Deletion Syndrome
18 years or older	<b><u>(MARBLES) Markers of Autism Risk in Babies-Learning Early Signs</u></b> This study enrolls pregnant women or those likely to become pregnant soon who have a child diagnosed with ASD. The purpose of this study is to learn about risk factors occurring during pregnancy that may be associated with ASD. The babies will be followed for 3 years.	<input checked="" type="checkbox"/> Blood Draws <input checked="" type="checkbox"/> Assessments # Visits: 4 home visits, 2-4 visits to the MIND	Women who have given birth to a child with ASD <u>and</u> are currently pregnant or likely to become pregnant soon