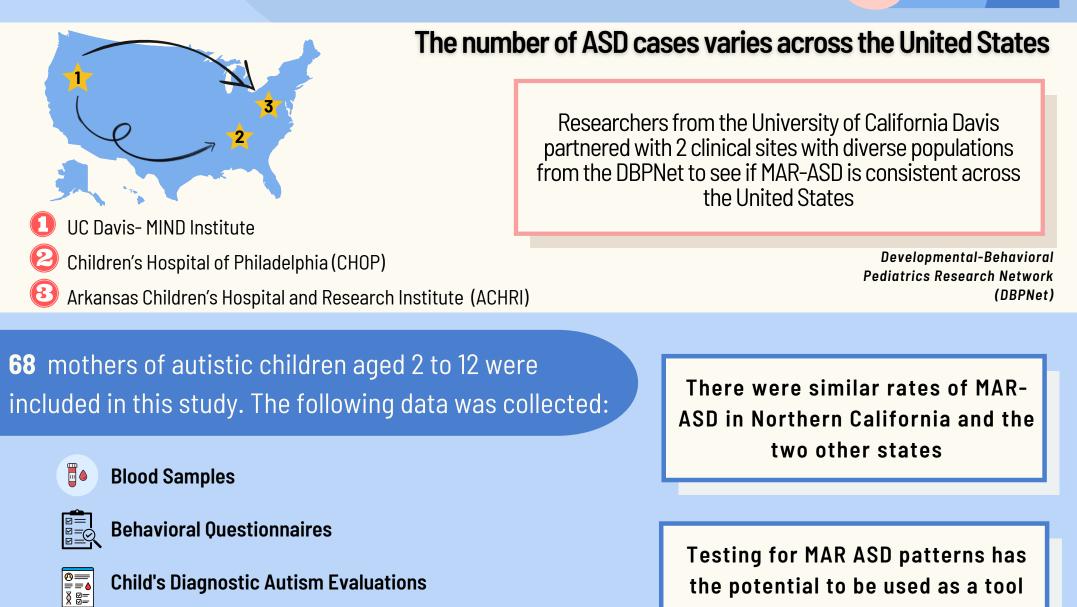


The Maternal Immune System & Autism

Maternal Autoantibody-Related Autism (MAR-ASD)

MAR-ASD is a subtype of Autism, which accounts for approximately 20% of all Autism cases. During pregnancy, a mother's autoantibodies (antibodies directed against the body's own proteins) mistakenly react to the proteins in the baby's brain, leading to behaviors linked to autism.





16 of 68 blood samples were MAR positive (+MAR), affecting 23.5% of mothers

- Higher autism ratings in children of +MAR mothers
- No difference in IQ, daily living skills, or other behaviors
- MAR ASD may be linked to higher autism characteristics

UCDAVIS HEALTH INSTITUTE

for earlier diagnosis of Autism

Further study is needed to find out why mothers develop these antibodies and how

long these antibodies may continue to exist