To date, autism has no cure and an increasing number of known cases

Diagnosis of autism is up 23% since 2006 and 78% since 2002

In the U.S., 1 in 88 children are diagnosed with autism*

About 5x more boys than girls are affected

The exact cause of autism is unknown

20-25% of children with autism also have a known genetic syndrome

Symptoms usually appear in children before age 3

Some researchers believe that faulty axonal guidance may play a role in children with autism*

Autism receives less than 5% of research funding compared to other, less prevalent childhood diseases**

Research in millions Number of children affected estimated in 2020

Autism
$79 M X 1,136
Juvenile Diabetes
$156 M X 200
Muscular Dystrophy
$162 M X 1
Leukemia
$277 M X 83
Pediatric AIDS
$394 M X 333

Cord blood stem cells offer a seed of hope

CBR is helping through:

Research

Clinical trials

The research and clinical trials CBR funds are designed to help heal children with autism

Research shows that a newborn’s umbilical cord blood cells have the ability to regulate the immune system and enhance the body’s own repair mechanisms.

Some possible causes of autism may be:

Genetic factors

Environmental factors

Research shows that a newborn’s umbilical cord blood cells may affect normal development of the nervous system.

Children with autism have dysfunctional immune responses that may affect normal development of the nervous system.

Recent studies on autism indicate that the brain may play a role in children with autism*

Average medical expenditures

In addition to medical costs, families could spend $40,000 to $60,000 on intensive behavioral interventions for children with autism per child per year

A combination of genetic and environmental factors may contribute to autism.

The CBR® (Cord Blood Registry®) newborn stem cell bank

CBR (Cord Blood Registry) is the world’s largest and most experienced newborn stem cell bank. CBR is the exclusive family bank research partner in several FDA-regulated clinical trials.

CBR is helping through:

Research

First and only

First of its kind

First FDA-regulated clinical trial to evaluate if cord blood stem cells can help improve symptoms of autism.

Sutter Health System

Sutter Health strives to provide access to primary care physicians and specialty services in each of its communities and has a network of more than 1,000 physicians locally and more than 3,500 physicians and specialists at 22 hospitals throughout the Sutter Health System.

Research and Funding

Sutter Health System’s research and funding programs include:

• Sutter Neuroscience Institute: Autism is a complex developmental disorder affecting social, emotional, and behavioral skills. The Neuroscience Institute at Sutter Health is a first-of-its-kind research center dedicated to improving children’s lives with autism and their families.

• Sutter’s first and only newborn stem cell bank: CBR® (Cord Blood Registry®) funds the world’s largest and most experienced newborn stem cell bank. CBR is the exclusive family bank research partner in several FDA-regulated clinical trials.

• Sutter Health System’s history: CBR® (Cord Blood Registry®) was founded in 1989 with the goal of helping families preserve the potential of their newborn’s stem cells.

• CBR® (Cord Blood Registry®) community outreach: CBR® (Cord Blood Registry®) has a dedicated patient and family support program that helps families learn about cord blood stem cell banking and provides information on the benefits of cord blood stem cells.