

## OUR MISSION

GRIN2B Foundation™ is a parent-founded organization dedicated to furthering research on the GRIN2B gene and providing support and education to the small, but growing community of individuals and families impacted by a GRIN2B diagnosis.

### Our objectives are to:

**FOSTER** communication, offer encouragement and provide resources to families.

**FACILITATE** the development of an international patient registry program.

**PARTNER** with researchers through fundraising and grants to develop potential treatments and gain a better understanding of a GRIN2B diagnosis.

**RAISE** the profile of this extremely rare diagnosis through the creation of a public awareness campaign.

## CONNECT WITH US

[www.grin2b.com](http://www.grin2b.com)



grin2b



grin2b  
syndrome



grin2bfoundation



**Email:** [info@grin2b.com](mailto:info@grin2b.com)

**Blog:** <http://grin2b.com/index.php/blog/>

**Podcast:** <https://www.podomatic.com/podcasts/grin2b>

**Connect in private:** GRIN2B Parent Support Group  
(closed group for parents/caregivers only)

## TAKE ACTION!

### Join the registries:

We encourage GRIN2B families to take part in various patient registries as more data will help research. Please refer to our website for more information.

### Spread Awareness:

Celebrate GRIN2B Awareness Week with us March 12th - 18th.

Please follow our social media pages during this week to learn facts about GRIN2B and get to know our community members! Sharing our Awareness posts will bring visibility and more understanding to this ultra-rare condition.

### Fundraise:

We organize fundraisers throughout the year to help support our mission. Please reach out to [fundraising@grin2b.com](mailto:fundraising@grin2b.com) for ways to help or if you are interested in organizing your own fundraiser.

### Donations:

GRIN2B Foundation maintains minimum operating expenses and our Board of Directors is a group of committed volunteers. Your generous donation brings us one step closer to finding effective treatments and, one day, a cure.

*Donations are appreciated online or can be mailed to:*

GRIN2B Foundation  
PO Box 481223  
Niles, IL 60614

*GRIN2B Foundation™ is a registered 501(c)3.  
Donations are tax deductible. EIN 82-1499966*



[WWW.GRIN2B.ORG](http://WWW.GRIN2B.ORG)

## WHAT IS GRIN2B?



GRIN2B is a gene located on the short arm (called “p”) of the 12th chromosome at 12p13.1. It is one member of a family of 7 genes: GRIN1, GRIN2A, GRIN2B, GRIN2C, GRIN2D, GRIN3A, and GRIN3B. These genes encode proteins that together form a receptor responsible for sending chemical messages between neurons in the brain.



A variation on the GRIN2B gene means that some portion of this specific genetic code either got deleted, duplicated or rearranged which impacts the way the brain functions.

These changes are referred to as **GRIN2B-Related Neurodevelopmental Disorder**.



Males and females of all races can be born with a GRIN2B variation. Hundreds of individuals have been diagnosed worldwide. As genetic testing becomes more available, we expect that this number will continue to rise.

## SYMPTOMS OF GRIN2B-RELATED NEURODEVELOPMENTAL DISORDER\*

### Most individuals present with:

- Gross and fine motor disabilities
- Hypotonia (low muscle tone)
- Intellectual Disability
- Limited Speech / Non speaking

### Co-occurring diagnoses:

- ADHD
- Autism Spectrum Disorder
- Cortical Visual Impairment
- Epilepsy
- Sensory Processing Disorder

## SUPPORT PROGRAMS

**GRIN2B Foundation is here to help with the following programs:**

- Patient Assistance Grants
- Comfort Care Items for Hospital Stays
- Regional Family Meetups

*Please visit our website to view our full list of resources for families.*

## TREATMENTS



While there is currently no cure for GRIN2B-Related Neurodevelopmental Disorder, physical, occupational, and speech therapies can help manage symptoms in children and also help them reach developmental milestones. Epilepsy, if present, is treated by a specialist.



At this time, there is no cure and no FDA-approved medications to specifically treat the disorder.



GRIN2B Foundation has partnered with clinicians, researchers and other GRIN-gene patient organizations to build a collaborative research network to change the future for all those diagnosed with GRIN2B-Related Neurodevelopmental Disorder.



\*Not all individuals present with all symptoms

For a full list of symptoms, please visit <http://grin2b.com/index.php/about-grin2b/>

