



## WHAT PEOPLE ARE SAYING ABOUT JBC

“The incredible work that the JBC Foundation does to provide hope, health & support to children and young adults suffering from such a challenging disease is truly remarkable.”

— Patrick M. O’Connor,  
Massachusetts State Senator

“The Foundation help in the healing process because JBC is establishing community. Parents feel connected and having someone have your back is unspeakably important. We work on the medical side of things and JBC works on everything else.”

— Dr. Mark Pasternack, Unit Chief of Pediatric Infectious Disease at Mass General Brigham

A **PANS/PANDAS** diagnosis is devastating, both for the child and for the child’s family. Understanding the disease, seeing its effects on your child and navigating the treatments are not only overwhelming but traumatic for the entire family. It is a long, sad and stressful journey. The PANS community becomes your friends, your mentors, and your support. They will inspire and lift you. This community becomes your VILLAGE, and together you find the strength, resolve and fortitude to help your child heal.

All of us at JBC are here for all of the PANS/PANDAS families in need. We are living proof that a COMMUNITY can change lives and a VILLAGE can move mountains.

**Please join in supporting PANS/PANDAS children and their families on their path to healing. We are forever grateful.**

Yours in hope, health & support.

*The JBC Team*

## DONATIONS

Your donation goes directly to fund treatment grants and support for children & young adults suffering from PANS/PANDAS.

**EIN: 81-4926490**



**ONLINE:**  
[www.jbcfund.org/donate](http://www.jbcfund.org/donate)

### BY MAIL:

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[grants@jbcfund.org](mailto:grants@jbcfund.org)



**JBC PANS  
& PANDAS  
FOUNDATION**

**THE JBC  
FOUNDATION**  
is dedicated to offering hope,  
health, and support for children &  
young adults battling  
**PANS & PANDAS**

(a.k.a - Post-Infectious  
Neuroimmune Disorders)

[www.jbcfund.org](http://www.jbcfund.org)

In loving memory of  
**John B. Cunningham**

# WHAT IS PANS & PANDAS

PANS and PANDAS are medical conditions that occur when the body's immune system mistakenly attacks healthy brain cells, leading to inflammation of the brain (neuroinflammation). In essence, it is a misdirected immune response.

Although the physiological mechanisms are the same, PANS and PANDAS are defined by different triggers.

## PANS

(Pediatric Acute-Onset Neuropsychiatric Syndrome)

Triggers include but are not limited to:

- Mycoplasma Pneumonia
- Epstein Barr Virus (Mono)
- Influenza
- Sinusitis
- Lyme disease & Co-infections
- Herpes Virus
- Coxsackie Virus
- COVID

## PANDAS

(Pediatric Autoimmune Neuropsychiatric Disorder Associated with Streptococcus)

- Like PANS, PANDAS exhibits similar symptoms but the triggers is a streptococcus infection.

# SYMPTOMS OF PANS/PANDAS

PANS & PANDAS are clinical diagnoses. Children & young adults begin to exhibit life-changing symptoms, sometimes quite suddenly which can include:

- OCD
- Anxiety
- Emotional Liability
- Depression
- Irritability
- Aggression
- Oppositional Behavior
- Motor/Vocal Tics
- Sleep Disturbances
- Enuresis
- Restrictive Eating
- Personality Changes
- ADHD
- Deterioration in School Performance (including decline in math and handwriting skills)
- Sensory and Motor Tics

## AN ESTIMATED 1 in 200 CHILDREN

are suffering from PANS & PANDAS

### INFECTION TRIGGERED NEURO-INFLAMMATION

is being misdiagnosed as mental health, tic & behavioral disorders (ie. ADHD, OCD, Anxiety). Patients are often relegated to a life of symptom management and anguish when a cure is possible.

### CHILDREN ARE BEING

misdiagnosed, marginalized & dismissed. They are prescribed psychotropic medications, counseling, and other therapies rather than being evaluated and treated for an underlying infection.

### FAMILIES ARE STRUGGLING

with the devastating financial impact and difficulty finding resources to get care for their children.

## HOW JBC HELPS

- Connecting families with **reputable doctors** who treat PANS/PANDAS as well as other support resources.
- **Providing grants** that allow eligible children and young adults with PANS/PANDAS to receive proper treatment.
- **Educating local pediatricians**, schools, and other stakeholders about PANS/PANDAS.
- Providing **guidance and emotional support** for parents and caregivers.

## A JBC GRANT

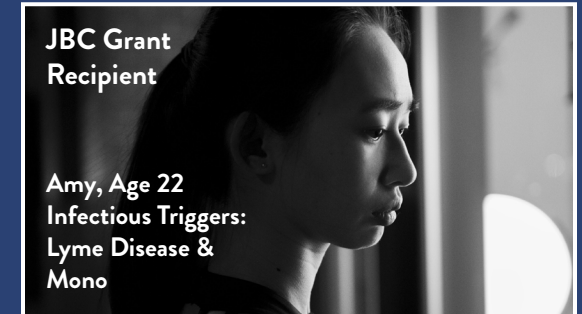
Far too many children & young adults are unnecessarily suffering because they cannot afford the proper testing and care required to treat this autoimmune disease. A JBC Grant alleviates some of the financial burden on families that are struggling.

**95% of families reported the JBC Treatment Grant helped their child on his/her path to healing.**



JBC Grant Recipient

Jeffery, Age 12  
Infectious Triggers:  
Ear Infections & Strep Throat



JBC Grant Recipient

Amy, Age 22  
Infectious Triggers:  
Lyme Disease & Mono

## Grant Recipient Quotes

*"On behalf of families impacted by PANS/PANDAS, thank you so much for all of your efforts and advocacy." — Becky*

*"Thank you from the bottom of our hearts, having the financial assistance along with the caring support of people who truly understand has made such a huge impact on our lives and we are forever grateful for this." — Julie*

*"We can't thank JBC enough. They have literally changed our lives and helped us see that there's hope. In a lonely world of this illness it's nice to become part of a family." — Tim*

*"The JBC grant gave us access to help which we would not otherwise have had. It made a tangible difference in our lives." — Sarah*