The photography included in this annual report spans over several years including the 2020 calendar year. Johns Hopkins All Children’s Hospital is committed to the safety and health of our patients, families and staff.

Mission & Vision

The mission of the Johns Hopkins Institute for Brain Protection Sciences is to:

- provide the best possible health care in the areas of childhood developmental disorders, mental health, brain injury, rehabilitative care and pediatric neurological/neurosurgical diseases.
- improve all children’s health and quality of life by delivering an expeditious and comprehensive array of educational and therapeutic options in a patient family fashion.

Our vision for the Institute for Brain Protection Sciences will raise the bar of knowledge and advance the field of pediatric neuroscience through research and innovations in clinical techniques, preventative services, technology and collaboration with others.
Welcome to the Institute for Brain Protection Sciences at a Glance and Annual Report

At no other time in history has the impact of medicine played such a critical role in our global existence. Here at Johns Hopkins All Children’s Hospital, our focus is to provide the best pediatric medicine available as we become the premier academic center in the southeast. Our children, the generation of the future, deserve nothing less than our best. The care they receive today will determine how well they can live their tomorrows. We are dedicated to giving them the opportunity for their brightest tomorrow.

This neuroscience institute was born out of a vision to develop comprehensive, multidisciplinary programs that would provide orchestrated, innovative, state-of-the-art care for all aspects of pediatric brain health. Whether it is treatment for brain tumors, traumatic brain injuries, concussions, epilepsy, congenital disorders, autism, mental health disorders or other neurodevelopmental conditions, our specialists work as a team committed to offering family-centered, individualized care plans with a full range of inpatient and outpatient services.

Our approach unites clinicians, researchers and educators as we strive to push the boundaries in medicine. This is especially important now as we experience increases in youth mental health issues, and the effects of long-term COVID-19 on our families, ground-breaking science in neuro-oncology, telemedicine and new surgical technologies. We must continue to advance, find new and better ways, collaborate without obstacles, and exceed the current standards of care—for all children regardless of socioeconomic background, race, ethnicity, religion or gender identity.

I am proud to say that our team has done all of that, and more, at this time. In the midst of unprecedented circumstances, we remain a pillar of strength, service and hope for the children and families of our community and abroad.

All we do. All for kids.

George Jallo, M.D.
Medical Director, Institute for Brain Protection Sciences
David M. Goldenberg Family Chair
Vice Dean and Physician-in-Chief
Johns Hopkins All Children’s Hospital
Outpatient Clinic Visits
July 1, 2020–June 30, 2021

Total Clinic Visits: 22,777

Patient Statistics
- Telehealth Encounters: 4,381
- Inpatient Days: 5,821
- EEGs (inpatient, outpatient): 743
- Outpatient EMGs: 54
- Average Length of Stay: 2.54
- Surgeries: 431

Institute Metrics
- Shunt Infection: 2.3%
- Number of 30-day readmissions: 3.9%
- Number of Trainees: 7
- International Encounters: 523
- Out of State Encounters: 1,828
Outpatient Clinic Visits
July 1, 2021–June 30, 2022

Total Clinic Visits: 26,809

Patient Statistics
- Telehealth Encounters: 4,924
- Inpatient Days: 6,932
- EEGs (inpatient, outpatient): 946
- Outpatient EMGs: 61
- Average Length of Stay: 2.59
- Surgeries: 472

Institute Metrics
- Shunt Infection: 0.9%
- Number of 30-day readmissions: 4.5%
- Number of Trainees: 15
- International Encounters: 893
- Out of State Encounters: 2,416
Global Reach  
*FY21 & FY22*

Patients traveled from more than 56 countries to receive care from our providers from 2020–2022.

Our International patient services department offers comprehensive care and a range of concierge services for our patients and their families travelling from around the world for care. These include language translational services, dietary accommodations, social work services, Child Life services, spiritual support and coordination of care.
The Center for Behavioral Health in the Institute for Brain Protection Sciences provides evidence-based mental health screening, consultation, evaluation, and treatment.

Children and adolescents have many challenges growing up today—social media, bullying, psychological trauma from events such as school shootings, anxiety, depression and many other stressors. The Center for Behavioral Health in the Institute for Brain Protection Sciences provides comprehensive mental and behavioral guidance and treatment using evidence-based assessment, consultation and intervention.

**Highlights**

- Expanded psychology & neuropsychology fellowship programs
- Awarded over seven Shark Tank Grants to Psychology and Social Work
- Social Work and Psychology integrated in over 10 multidisciplinary clinics
- Crisis prevention and de-escalation training for staff with Lauren Gardner, Ph.D and an innovative program for parents under development

**The Numbers**

27
Publications by staff and trainees since 2020, and 6 under review

12
New staff members onboarded to CBH since FY22

$2.2 Million
in donor funding

“If we had not had these services through the Center for Behavioral Health, I don’t think Huntley would be able to function academically or socially at the level that he is today,”

–Amy, Huntley’s Mom
We treat your child and your family as part of our own. We understand this can be a very difficult and scary time for the entire family. From your child’s initial diagnosis through long-term follow-up care, we pledge to provide compassionate, comprehensive support to the entire family.

**Highlights**

- Started a multidisciplinary Epilepsy Surgery Clinic with Neurosurgery
- Pursuing a Child Neurology Residency Application with ACGME
- Christopher Inglese, M.D., won the 2021 Clinical Award for Best Consulting Physician
- National Association of Epilepsy Centers (NAEC) Accredited Level IV Epilepsy Center

"Ethan’s seizures have become less frequent. He’s a more social kid and now opens the door to his room and walks out. There’s definitely a bigger desire to walk and more interest in exploring and being outside."

—Kelli, mother of patient being treated in Epilepsy Surgery Clinic
Neurosurgery
FY21 & FY22

Our Pediatric Neurosurgery Program at Johns Hopkins All Children’s Hospital is one of the largest in the Southeast and provides comprehensive pediatric neurosurgery care for patients throughout Florida, the United States, and the world.

Highlights

- Golisano Children’s Hospital Expansion
- Hired Chief of Neurosurgery
- Implemented Brainlab system for OR neuro-navigation
- Expanding outreach clinics in Fort Myers and Lakeland
- Tampa General/JHACH Hybrid position accepted and started FY22
- Hired a junior faculty/Clinical Research Director
- Fellowship program successfully matched with a fellow each year

U.S. News & World Report ranks our Neurology & Neurosurgery program #18 (#1 in Florida) in the country among Children's Hospitals for 2022-2023

The Numbers

78 Clinic patients seen in Brachial Plexus in FY21
90 Clinic patients seen in Brachial Plexus in FY22
431 surgeries in FY21
472 surgeries in FY22
533 inpatient consults in FY21
500 inpatient consults in FY22
13 Countries represented among neurosurgical patients between FY21 & FY22

"My 16-month-old is a happy fun-loving silly little girl. Looking at her and watching her play, you could never tell she had craniosynostosis."
—Mandy, mother of patient treated for Craniosynostosis
Rehabilitation Medicine
FY21 & FY22

The Numbers

67
Patients seen in the Skeletal Dysplasia Program from July 2020–June 2022

155
Patients seen in the Spina Bifida Program from July 2020–June 2022

1,054
clinic visits in FY21

1,201
clinic visits in FY22

"When she stood and took her first steps, the crowd just erupted”
–Robin, mother of patient treated by our Rehab team

Rehab Medicine plays an active role in the hospital, outpatient and multidisciplinary settings. On the inpatient side, patients with rehab needs are seen in consultation to help coordinate their ongoing therapy programs.

In the clinic setting, Rehab Medicine focuses on children with special needs and various disabilities, especially cerebral palsy and spasticity, performing neurolytic procedures such as Botox injections.

Highlights

• Added physiatry RN Coordinator
• Expanded to include APP
• Participates in Spina Bifida, Skeletal Dysplasia, Stroke and Torticollis Multi-Disciplinary Clinics
• Outreach clinics throughout our catchment area
Our Sports Medicine team provides direct care, consultation and medical direction to schools and sports leagues while advocating for student athlete health. In addition to care provided at Johns Hopkins All Children’s Outpatient Care sites, our Sports Medicine physicians are the exclusive medical providers at the prestigious IMG Academy. Our specialty physicians and athletic trainers focus on treating youth athletes who have suffered concussion, acute injury and overuse injury throughout the West Coast of Florida.

Community Coverage

- USA Gymnastics National Championships
- Special Olympics USA Summer Games
- Run for All Children
- Swim Across America
- Football coverage for five High School football teams
- Medical direction for four schools and Lightning High School Hockey League
- Lakewood High School ALMA Program
- Eddie Herr Tennis Tournament

The Numbers

1,371
out of state patient visits in FY21 at IMG Academy

446
international patient visits in FY21 at IMG Academy

1,944
out of state patient visits in FY22 at IMG Academy

770
international patient visits in FY22 at IMG Academy

“Our collaboration over the years with the hospital has been outstanding”

—Erin Savage, Lakewood High Principal

Highlights

- Concussion Multidisciplinary Clinic on main campus
- Welcomed our first external elective resident in 2022
- Fellowship in Pediatric Sports Medicine started in 2021
Academics and Research
FY21 & FY22

FY21 Highlights

- 23 publications in IBPS
- 54 open research studies
- 2nd Annual Pediatric Brain Symposium offering 19.25 CME credits for providers and 15.5 CEUs for nursing
- Brain Health Awareness Month offering 6 CEUs for nursing
- Sports Medicine awarded grant for a Research Assistant
- 2 CUPS presentations: Neuroscience and Center for Behavioral Health
- Brain Series offered 14.5 nursing CEUs and had 74 nurses attend
- Resident program with University of South Florida featuring rotations in neurology, neurosurgery and psychology
- Top Doctor Awarded to Mark Cavitt, M.D. and Patrick Mularoni, M.D.

FY22 Highlights

- 35 publications in IBPS
- 64 open research studies
- 3rd Annual Pediatric Brain Symposium offering 14.25 CME credits for providers and 12.5 CEUs for nursing
- Brain Health Awareness Month offering 7 CEUs
- Brain Series offered 14.5 nursing CEUs and had 92 nurses attend
- Awarded David M. Goldenberg Family Endowed Chair for Institute for Brain Protection Sciences
Alan, 15, wanted to feel better about himself and began a quest to lose weight, but his effort spiraled into an eating disorder called anorexia nervosa that would nearly cost him his life. With dedicated care and therapy from the Center for Behavioral Health, Alan charted his course back to good health—back to himself.

One in four children between the ages of 3 and 17 has a diagnosable mental, emotional or behavioral health disorder. The Center for Behavioral Health aspires to provide families a comprehensive, integrated approach to mental health care. A team of psychiatrists, psychologists, neuropsychologists, social workers and trainees address specialized areas such as attention deficit hyperactivity disorder (ADHD), anxiety/mood disorders, autism spectrum disorders, neuropsychology/neurodevelopment, pain management, adjustment to medical diagnoses and disordered eating.

To learn more about Alan’s Journey please visit:
HopkinsAllChildren.org/alanjourney
Community Highlight
FY21 & FY22

Law Enforcement Officer Training in Autism Spectrum Disorder

Goal
To provide training by the Autism Program at Johns Hopkins All Children’s Hospital to increase Law Enforcement Officers’ knowledge and awareness of autism spectrum disorder (ASD).

Participants will learn about behaviors commonly associated with ASD and how to respond in a proactive and positive manner to calls they may receive involving individuals with ASD.

Interactive Presentation
Participants will receive a half-day training in specific strategies to facilitate de-escalation in crisis situations when responding to calls involving individuals with autism. This training will increase officers’ competence and confidence when interacting with individuals with autism spectrum disorder (ASD).

Additionally, participants will learn about resources available within the community to facilitate access to services for families affected by ASD.

Simulation Training
Participants will have an opportunity to learn through role play scenarios utilizing the skills taught throughout the morning session.

*As seen in picture

More Information
Location
Johns Hopkins All Children’s
Research & Education Building
600 5th St. South
St. Petersburg, FL 33701

Contact
ach-autismprogram@jhmi.edu
Donor Thank You

We are deeply grateful for the incredible philanthropic support we receive from our community each year. It is our honor to recognize the individuals, corporations, foundations and community groups who stand with us. Supporters like you make a difference to our patients and families every day in a number of ways. On behalf of the staff, physicians and most importantly patients, who are impacted by your generosity, we extend our most sincere thanks and appreciation.

Below is a listing of donors giving $10,000+

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Michael & Beth Vivio

On October 28, 2021, Dr. George Jallo received the David M. Goldenberg Family Endowed Chair in the Institute for Brain Protection Sciences

Total raised for FY21
$2,925,994

Total raised for FY22
$7,501,113