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A Cause for Today. A Cure for Tomorrow.

FOUNDER'S LETTER



Dear Friends,

It's hard to believe that the Children's Cardiomyopathy
Foundation (CCF) will celebrate its 20th anniversary in 2022!
Over the years, we have stayed steadfast in our mission to
support children with cardiomyopathy and their families. It is
rewarding to see the impact of CCF's investment into research,
education, awareness, and advocacy. With nearly 450
research presentations and publications resulting from our
funded initiatives, we have had a direct impact on the medical
care and quality of life for children with cardiomyopathy.

The past two years have been challenging, but fortunately our work has not stalled. New relationships have been formed, and opportunities have emerged from working with industry partners, medical centers, professional societies, and advocacy groups. I am happy to share this year's achievements in this annual report and highlight the following:

- **Research**: CCF held its 5th International Conference on Cardiomyopathy in Children virtually, enabling medical professionals and academic researchers from around the globe to participate and learn from experts in the field.
- **Family Support**: A new Regional Ambassador Program was launched to increase family engagement and strengthen CCF's relationships with patients across the U.S.
- **Education**: Over 20 articles on pediatric cardiomyopathy were published in peer-reviewed journals, and educational materials were translated into Spanish to meet the needs of the Hispanic community.

During these uncertain times, we are especially grateful for our loyal donors, volunteers, and families. The CCF team remains focused and determined as we move forward with new initiatives. There is no limit to what we can achieve in the next 20 years!

Sincerely,

Lisa Yue

Founder & Board President

FOUNDATION OVERVIEW

The mission of the Children's Cardiomyopathy Foundation (CCF) is to accelerate the search for causes and cures for pediatric cardiomyopathy through increased **research**, **education**, **awareness**, **advocacy**, and **family support**.

DISEASE FOCUS

- Dilated Cardiomyopathy (DCM)
- Hypertrophic Cardiomyopathy (HCM)
- Restrictive Cardiomyopathy (RCM)
- Arrhythmogenic Right Ventricular Cardiomyopathy (ARVC)
- Left Ventricular Noncompaction Cardiomyopathy (LVNC)



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Children's Hospital at Montefiore

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University at Buffalo School of Medicine

and Biomedical Sciences

Shelley Miyamoto, MD

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Joseph W. Rossano, MD, MS Children's Hospital of Philadelphia

Jeff Towbin, MD

Le Bonheur Children's Hospital

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Grace Freeman

Director of Development

Jasmine Patel

Director of Family

Outreach & Support

Alexa DeVantier

Manager of Programs

MOVING FORWARD



IN RESEARCH

Through CCF's ongoing partnership with the **National Institutes of Health-funded Pediatric Cardiomyopathy Registry**, research projects moved forward and completed manuscripts were submitted to various peer-reviewed journals.

Findings from **CCF-funded studies** were presented at several medical meetings and published in a number of peer-reviewed **scientific** and **medical journals**.

Funding for new studies were put on hold due to financial constraints imposed by the coronavirus pandemic.

PRESENTATIONS

"Registry-Based Research for Pediatric Rare Diseases: NIH Pediatric Cardiomyopathy Registry"

University at Buffalo Pediatric Grand Rounds February 2021

"Beginning with the End in Mind: Cardiotoxicity After Childhood Cancer"

Multinational Association of Supportive Care in Cancer International Society for Oral Oncology 2021 Annual Meeting June 2021

University at Buffalo Cancer Research Consortium Seminar Series September 2021

MD Anderson Cardiology Grand Rounds
October 2021

University at Buffalo Department of Medicine Grand Rounds November 2021



PUBLICATIONS

"Genetic Causes of Cardiomyopathy in Children: First Results from the Pediatric Cardiomyopathy Genes Study"

Ware SM, Wilkinson JD, Tariq M, Schubert JA, Sridhar A, Colan SD, Shi L, Canter CE, Hsu DT, Webber SA, Dodd DA, Everitt MD, Kantor PF, Addonizio LJ, Jefferies JL, Rossano JW, Pahl E, Rusconi P, Chung WK, Lee T, Towbin JA, Lal AK, Bhatnagar S, Aronow B, Dexheimer PJ, Martin LJ, Miller EM, Sleeper LA, Razoky H, Czachor J, Lipshultz SE

Journal of the American Heart Association May 2021

"Pediatric and adult dilated cardiomyopathy are distinguished by distinct biomarker profiles"

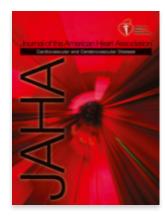
Gropler MRF, Lipshultz SE, Wilkinson JD, Towbin JA, Colan SD, Canter CE, Lavine KJ, Simpson KE

Pediatric Research August 2021

"Impact of Genetic Testing for Cardiomyopathy on Emotional Well-Being and Family Dynamics: A Study of Parents and Adolescents"

Ahimaz P, Sabatello M, Qian M, Wang A, Miller EM, Parrott A, Lal AK, Chatfield KC, Rossano JW, Ware SM, Parent JJ, Kantor P, Yue L, Wynn J, Lee TM, Addonizio LJ, Appelbaum PS, Chung WK

Circulation: Genomic and Precision Medicine August 2021





SCIENTIFIC CONFERENCE PUBLICATIONS

17 articles from CCF's 5th International Conference on Cardiomyopathy in Children were published in two special issues of *Progress in Pediatric Cardiology*.

September 2021 Issue

"Introduction to 5th International Conference on Cardiomyopathy in Children Special Issue I"

Lee TM, Lipshultz SE

"Risk stratification and management of decompensated heart failure in pediatric dilated cardiomyopathy: Questions and opportunities"

Weisert M, Su J

"When and how does dilated cardiomyopathy recover in children?"

Everitt MD

"Spectrum of phenotype of ventricular noncompaction in adults"

Di Toro A, Urtis M, Arbustini E

"Imaging in ventricular noncompaction"

Taylor C, Nutting A

"Arrhythmogenic left ventricular cardiomyopathy in an adolescent patient with DSP mutation"

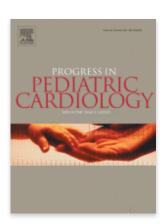
Choi NH, Liberman L, Lee TM

"Phenocopies of sarcomere gene mediated hypertrophic cardiomyopathy in children"

Brown E, Murphy AM

"Prevention of sudden cardiac death in childhood-onset hypertrophic cardiomyopathy"

Kaski JP, Norrish G



"Overview of pediatric restrictive cardiomyopathy-2021"

Denfield SW

"The clinical utility of pediatric cardiomyopathy genetic testing: From diagnosis to a precision medicine-based approach to care"

Parker LE, Landstrom AP

December 2021 Issue

"Introduction to the 5th International Conference on Cardiomyopathy in Children Special Issue II"

Lee TM, Lipshultz SE

"Clinical and genetic features of arrhythmogenic cardiomyopathy: Diagnosis, management and the heart failure perspective"

Castrichini M, Eldemire R, Groves DW, Taylor MRG, Miyamoto S, Mestroni L

"Clinical and genetic features of arrhythmogenic cardiomyopathy: the electrophysiology perspective"

Przybylski R, Abrams DJ

"Optimal imaging strategy for surveillance in children with hypertrophic cardiomyopathy"

Lee S, Pahl E

"Genetic correction strategies for Duchenne muscular dystrophy and their impact on the heart"

Johnston JR, McNally EM

"Novel therapies in inherited cardiomyopathies"

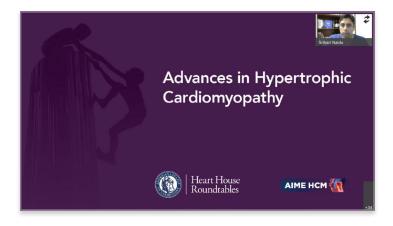
de Feria A, Owens AT

"Pediatric cardiomyopathy and the PCM Genes study: A summary with insights on genetic testing, variant interpretation, race and ethnicity"

Ware SM on behalf of the Pediatric Cardiomyopathy Registry

AMERICAN COLLEGE OF CARDIOLOGY ROUNDTABLE ON ADVANCES IN HYPERTROPHIC CARDIOMYOPATHY

The Children's Cardiomyopathy Foundation took part in the American College of Cardiology roundtable, "Advances in Hypertrophic Cardiomyopathy," held virtually on June 8. Joseph Rossano, MD, MS of the Children's Hospital of Philadelphia represented CCF in discussions on clinical challenges related to managing and treating patients with hypertrophic cardiomyopathy.



ANNUAL PEDIATRIC CARDIOMYOPATHY REGISTRY INVESTIGATOR RETREAT

The North America Pediatric Cardiomyopathy Registry (PCMR) Annual Investigator Retreat was held virtually on March 26 and sponsored by CCF and Tenaya Therapeutics. Over 40 medical professionals from the top pediatric heart failure and cardiomyopathy programs gathered to discuss research findings, review manuscripts in development, and evaluate new study opportunities.



5TH INTERNATIONAL CONFERENCE ON CARDIOMYOPATHY IN CHILDREN

CCF's 5th International Conference on Cardiomyopathy in Children was held virtually on March 5 – 6.



The conference featured six sessions with presentations and live panel discussions. A final "Future Directions for Pediatric Cardiomyopathy" live session featured an international panel of 14 leading cardiomyopathy experts.

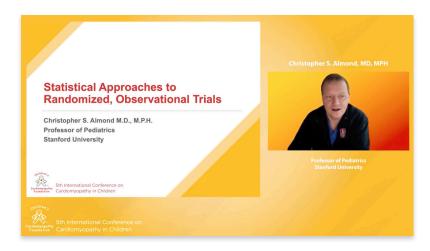
March 5 + 12:00 p.m. to 4:15 p.m. EST

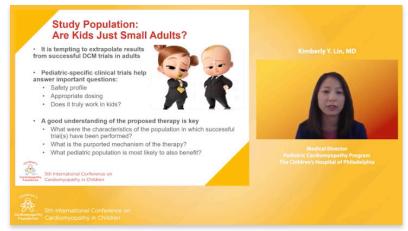
- Dilated Cardiomyopathy
 Steve Lipshultz, M.D., Daphne Hsu, M.D.,
 Paul Kantor M.B.B.Ch., M.Sc.
- Noncompaction Cardiomyopathy
 Melanie Everitt, M.D., Brian Feingold, M.D.,
 John Lynn Jefferies, M.D., Ph.D.
- Arrhythmogenic Cardiomyopathy
 Jeff Towbin, M.D. and Teresa Lee, M.D.

March 6 + 9:00 a.m. to 2:15 p.m. EST

- Hypertrophic Cardiomyopathy
 Charlie Canter, M.D., Steve Colan, M.D.,
 Robert Weintraub, M.B.B.S.
- Restrictive Cardiomyopathy
 Joseph Rossano, M.D., Michael Burch,
 M.B.ChB., M.D.
- Genetics of Cardiomyopathy
 Wendy Chung, M.D., Ph.D., Shelley
 Miyamoto, M.D., Stephanie Ware, M.D., Ph.D.

More than 260 medical and healthcare professionals from 25 countries attended to learn about developments in pediatric heart failure, cardiomyopathy, and heart transplantation.





The conference was sponsored by 9 sponsors.



MOVING FORWARD



IN EDUCATION

MOVING FORWARD IN EDUCATION

Throughout the year, the Children's Cardiomyopathy Foundation updated the medical community on **research publications**, **medical meetings**, **funding opportunities**, and **new family resources** related to pediatric cardiomyopathy.

Three new Cardiomyopathy Centers of Care were recognized for their high-quality cardiac care and comprehensive approach to treatment. These additions increase the number of pediatric cardiomyopathy specialty centers to 45 hospitals in the U.S. and Canada.



Key educational materials were translated into Spanish to meet the needs of a diverse patient community. Updated patient materials include a general information booklet, inserts on each form of cardiomyopathy, and a CCF overview pamphlet.







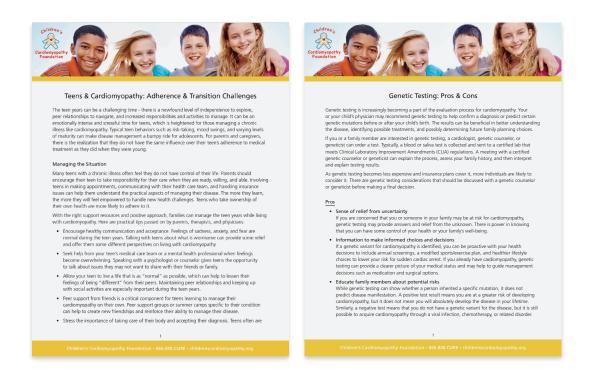
MOVING FORWARD IN EDUCATION

Created three new fact sheets:

Genetic Testing: Pros & Cons

Teens & Cardiomyopathy: Adherence and Transition Challenges

What is a Ventricular Assist Device?

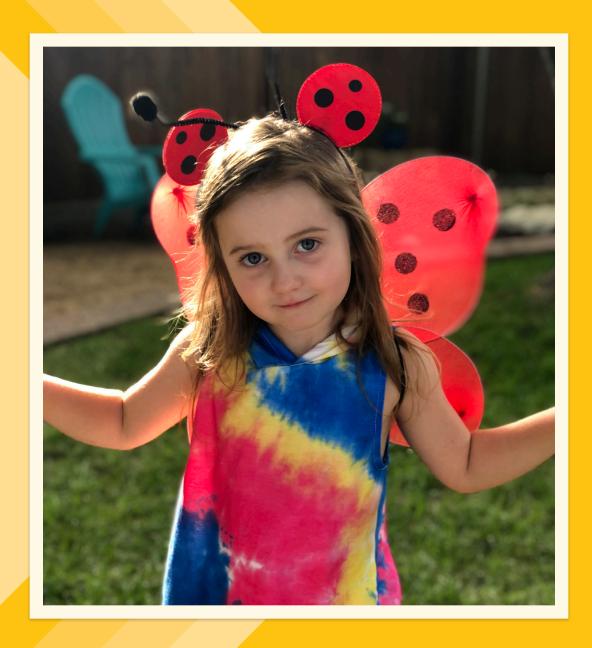


 Bristol-Myers Squibb and Pfizer joined as partners in supporting CCF's patient education initiatives.





MOVING FORWARD



IN ADVOCACY

MOVING FORWARD IN ADVOCACY

At the **Federal level**, the Children's Cardiomyopathy Foundation continued to foster relationships with key Congressional leaders to elevate pediatric cardiomyopathy on their legislative agendas.

CCF worked with the National Coalition for Heart and Stroke Research, National Health Council, National Organization for Rare Disorders, and EveryLife Foundation for Rare Diseases to support various appropriation and legislative efforts related to cardiovascular health and rare diseases.



- Through CCF's federal lobbying efforts, cardiomyopathy was an approved disease topic for receiving **federal research funding** from the Department of Defense Peer Reviewed Medical Research Program (PRMRP). For FY 21 \$370 million appropriated by Congress will be allocated to research studies covering 42 priority diseases.
- Four parents nominated by CCF served as consumer advocates for the Department of Defense PRMRP program to provide a patient perspective in the evaluation of cardiomyopathy research applications.

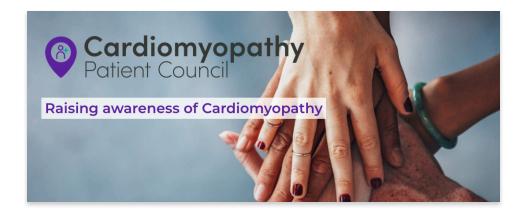
MOVING FORWARD



IN AWARENESS

MOVING FORWARD IN AWARENESS

Internationally, the Children's Cardiomyopathy Foundation continues to work with Global Heart Hub, an **multi-country alliance** of patient advocacy organizations, on various awareness campaigns.



During **National Heart Month** in February and **Children's Cardiomyopathy Awareness Month** in September, CCF focused on raising awareness of the signs and symptoms of cardiomyopathy.





MOVING FORWARD IN AWARENESS

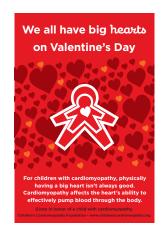
NATIONAL HEART MONTH #NationalHeartMonth

- Nearly 2,000 people shared facts about cardiomyopathy, and 14,000 people viewed CCF's social media posts.
- Families and friends wore red, handed out CCF valentines, and distributed materials about cardiomyopathy.
- CCF hosted a Facebook Live event with teens Bethany and Hannah of Heartcharged to talk about living with cardiomyopathy.
- CCF participated in the Heart Failure Society of America's Twitter chat on the topic of heart transplants.
- Dr. Rakesh Singh, Medical Director of Heart Failure and Transplantation at Hassenfeld Children's Hospital at NYU Langone was the featured webinar guest on CCF's "Living with Heart Failure" webinar.
- 150 guests celebrated National Heart Month at CCF's Night for a Cure charity poker tournament.

HEART MONTH Feb 23 at 12pm

Facebook Live w/ Heartcharged & CCF





MOVING FORWARD IN AWARENESS

CHILDREN'S CARDIOMYOPATHY AWARENESS MONTH #KnowYourHeart

- CCF and 20 national partners urged families to learn the signs, symptoms, and risk factors of cardiomyopathy.
- Newsletter articles educated the public on the importance of knowing one's family heart history.
- Over 7,000 supporters liked and shared our posts with over 53,000 people viewing the posts.
- Jami N. Gross, PhD presented a webinar, "Emotional Side Effects of Cardiomyopathy in Teens."
- For the 7th year, supporters across the country organized Walk for a Cure events to raise awareness of pediatric cardiomyopathy in their community.
- CCF Regional Ambassador, Aly Pearce, was featured in a blog post at the Institute for Patient Access.





AWARENESS MONTH PARTNERS

American Academy of Pediatrics































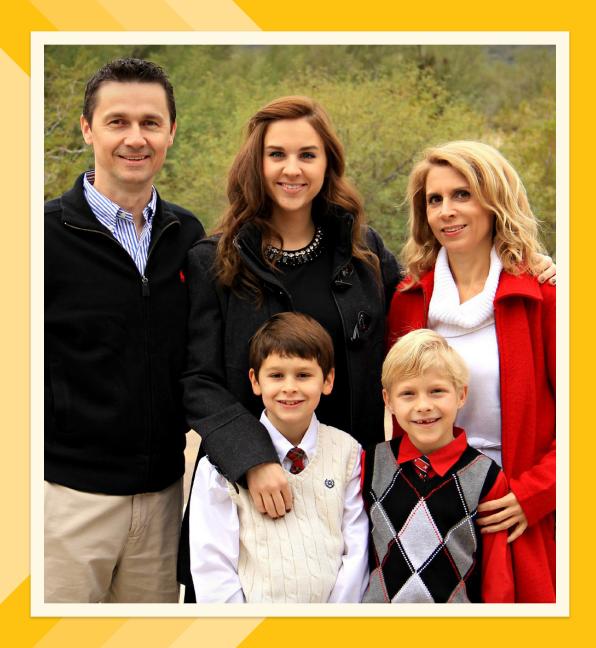








MOVING FORWARD



IN PATIENT & FAMILY SUPPORT

MOVING FORWARD IN PATIENT & FAMILY SUPPORT

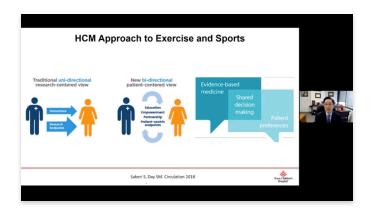
CCF focused on **online connections** and **virtual meetings** to support affected families worldwide during the pandemic.

- Overall, 7,000 families from 92 countries are served by CCF.
- 400 new members joined CCF, increasing the membership base to 4,000.
- The CCF Connect Community on Facebook grew to over 2,100 members.
- A membership survey was conducted to ensure that CCF priorities and actions are in line with family needs.
- A new Regional Ambassador Program was created to increase family engagement and strengthen CCF's community of patients.
 This leadership program consists of eight parent ambassadors from across the U.S. who assist in the development of family resources, build relationships with local families and physicians, and raise awareness of cardiomyopathy in their community.



MOVING FORWARD IN PATIENT & FAMILY SUPPORT

• 5 educational webinars featured leaders in the field of cardiomyopathy.



UPDATES IN LIVING WITH HEART FAILURE FOR THE PEDIATRIC CARDIOMYOPATHY COMMUNITY

Rakesh Singh, MD, MS Hassenfeld Children's Hospital at NYU Langone February 18, 2021

HEART FAILURE AND VENTRICULAR ASSIST DEVICES

Neha Bansal, MD Children's Hospital of Montefiore May 5, 2021

THE ROLE OF RESEARCH IN IMPROVING CARE FOR PATIENTS WITH PEDIATRIC CARDIOMYOPATHY

Daphne Hsu, MD Children's Hospital at Montefiore August 17, 2021

EMOTIONAL SIDE EFFECTS OF CARDIOMYOPATHY IN TEENS

Jami N. Gross, PHD Children's Mercy Kansas City September 24, 2021

HYPERTROPHIC CARDIOMYOPATHY AND YOUTH SPORTS PARTICIPATION

Jeffrey Kim, MD Texas Children's Hospital December 2, 2021

MOVING FORWARD IN PATIENT & FAMILY SUPPORT

CCF collaborated with Transplant Families during National Pediatric
 Transplant week to present at their April Pediatric Transplant Conference.





CCF was featured in 2 podcasts:

"Into the Flow" featured CCF medical advisor Dr. Steven Lipshultz on the formation of the Pediatric Cardiomyopathy Registry and the role CCF played in furthering care for children with cardiomyopathy.

"Losing a Child" featured CCF Ambassador Myesha Bruce on how CCF's resources and online community helped her overcome her loss.





MOVING FORWARD



IN FUNDRAISING & FINANCIALS

MOVING FORWARD ON FUNDRAISING & FINANCIALS

The Children's Cardiomyopathy Foundation's **signature fundraising events** brought families and supporters together to raise awareness and funds for research, education, and family support programs.

NIGHT FOR A CURE

More than 150 guests attended CCF's 13th annual Night for a Cure on February 10. The virtual charity poker event raised \$120,000 and was hosted by Tom Wheaton, CEO of Faded Spade Poker and poker professionals Matt Berkey and Jamie Kerstetter. WSOP poker legend Phil Gordon made a surprise guest appearance.

GOLF FOR A CURE

CCF was back on the course for the 18th annual Golf for a Cure at the historic Ridgewood Country Club in northern New Jersey. The July 26 event raised over \$245,000 and was supported by 38 sponsors and 140 attendees.









MOVING FORWARD ON FUNDRAISING & FINANCIALS

WALK FOR A CURE

Walkers from around the country organized 50 virtual walk teams in 10 states to celebrate Children's Cardiomyopathy Awareness Month in September.

BAKE FOR A CURE

Bake for a Cure events took place during National Heart Month to raise community awareness and research funding for pediatric cardiomyopathy.













MOVING FORWARD ON FUNDRAISING & FINANCIALS

FAMILY FUNDRAISERS

Families impacted by cardiomyopathy planned creative fundraisers to support CCF's programs, including a 5k run in Alaska, a beach walk in Australia, and a golf outing in Alabama.





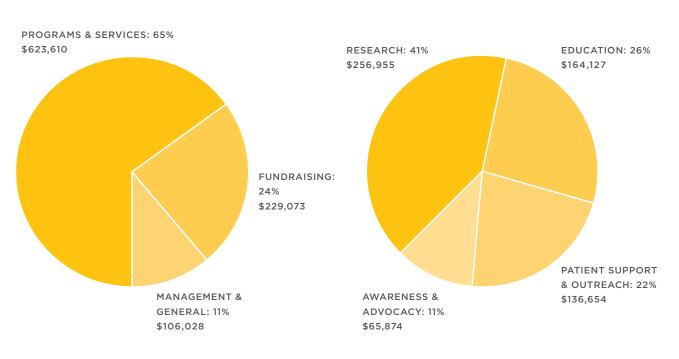
2021 FINANCIAL SUMMARY

Fiscal year ending December 31, 2021

STATEMENT OF FINANCIAL POSITION		STATEMENT OF ACTIVITIES	
ASSETS		REVENUE	
Cash & Cash Equivalents	\$947,424	Contributions	\$409,478
Investments	\$2,028,877	Fundraising + Special Events	\$360,406
Intangible Net Assets	\$18,342	Net Investment Return	\$395,363
TOTAL ASSETS	\$2,994,643	PPP Loan Forgiveness	\$151,716
		TOTAL REVENUE	\$1,316,963
LIABILITIES + NET ASSETS		EXPENSES	
Accounts Payable & Accrued Expens	ses \$37,892	Programs & Services	\$623,610
SBA EIDL Loans	\$149,900	Management & General	\$106,028
Unrestricted Net Assets	\$2,781,851	Fundraising	\$229,073
Restricted Net Assets	\$25,000	TOTAL EXPENSES	\$958,711
TOTAL LIABILITIES + NET ASSETS	\$2,994,643	NET INCOME	\$358,252

TOTAL EXPENSES

EXPENSES BY PROGRAM & SERVICES



2021 TOP DONORS

We extend our **heartfelt thanks** to all who have contributed to the Children's Cardiomyopathy Foundation this year. The following corporations, foundations, and individuals made contributions of \$500 or more to the Foundation in 2021.

DONORS \$10,000 AND OVER

American Legion Child Welfare Foundation

The Bauer Foundation

Bristol Myers Squibb Company

Cytokinetics

Rob Gallivan

Goldman Sachs & Co.

Kathleen Lenihan

MacKay Shields

Macquarie Group Foundation

Michael & Leslie Petrick

Pfizer

Senator Investment Group

Tenaya Therapeutics

DONORS \$9,999-\$5,000

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Angelo, Gordon & Co.

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Bayer

Brigade Capital Management

Chris Chang

Chatham Asset Management

Citibank NA

Emil Costa

Joseph Deal

Chris DeLong

Lucas Detor

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MUFG Securities Americas

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Doug Pardon

Paul, Weiss, Rifkind, Wharton & Garrison

RBC Capital Markets

Rocket Pharmaceuticals

Ed Sabounghi

Ian Sandler

Dylan Seff

Stroock, Stroock & Lavan

Sullivan & Cromwell

TBK Bank

UBS

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2021 TOP DONORS

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2021 TOP DONORS

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Kurt MacDonald Sara Mann

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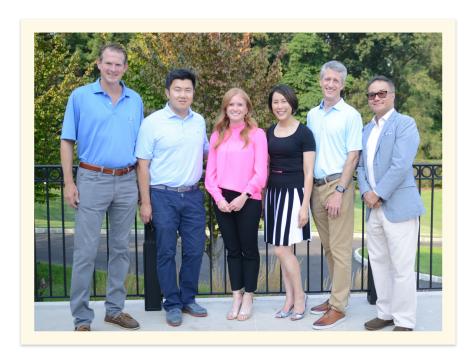
Tyler Williams-Sinclair

Brice Willis

David Ying

Brian & Andrea Yue

Richard Zentko



CHILDREN'S CARDIOMYOPATHY FOUNDATION