

THE SILVER LINING

CONGENITAL DIAPHRAGMATIC HERNIA MAGAZINE

Research
Update; CDH
Standard of
Care

The high costs of
Congenital
Diaphragmatic
Hernia

Meetings,
Conferences, &
CDH Research

Research, Research, & More Research

CDH International Takes On the Research World

CDH Research Studies

Current Needs For Patient Participation

CDH Awareness Holiday Gifts

Holiday Sales on 100's of Items

Holiday Donations

Donate to Help Save Children For the Holiday

What CDH Families Are Saying About CDH International

5-Star Reviews Leads To Charity Award

The Latest CDH Research News

What's new in the research world?

National Children's Memorial Day

December 10, 2023

THE VOICE OF CONGENITAL DIAPHRAGMATIC HERNIA PATIENTS



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"Part of being optimistic is keeping one's head pointed toward the sun, one's feet moving forward. There were many dark moments when my faith in humanity was sorely tested, but I would not and could not give myself up to despair. That way lays defeat and death," - Nelson Mandela



CDH International

The world's Oldest, Largest, and Leading Congenital Diaphragmatic Hernia Charity

CDH INTERNATIONAL NGOS >

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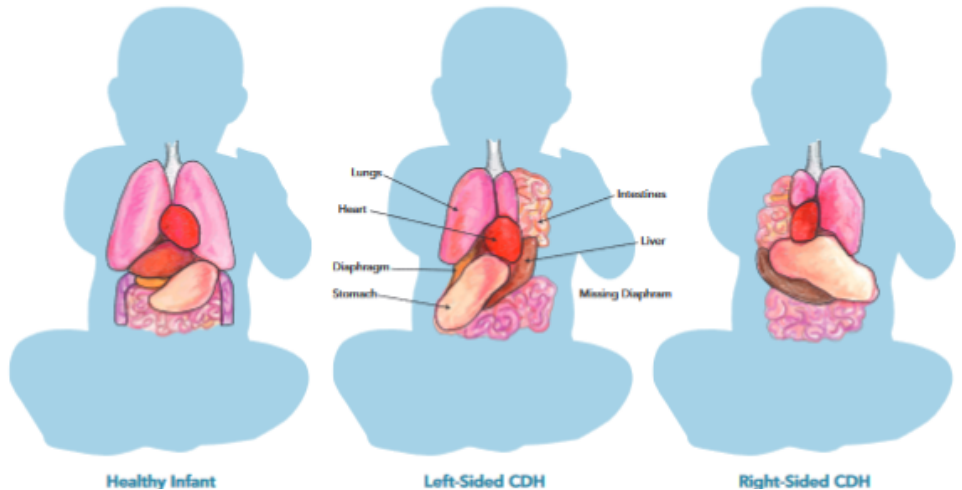
MISSION STATEMENT >

CDH INTERNATIONAL

is a grassroots charity founded in 1995 to help families of babies born with Congenital Diaphragmatic Hernia by providing support services, promoting research, and raising awareness.



CONGENITAL DIAPHRAGMATIC HERNIA >



PARTNERSHIPS & MEMBERSHIPS COMMITTEE WORK >



"Mothers are like glue. Even when you can't see them, they're still holding the family together." – Susan Gale



November, 2023



CDH Survivor, Jim Beau Reinhardt

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11 Veteran's Day (US)
12	13	14	15	17	16	18
19	20	21	22	23 Thanks-giving (US)	24 Black Friday Sale!	25
26	27 Cyber Monday Sale!	28 Giving Tuesday!	29	30	31	

CDH INTERNATIONAL

NOVEMBER BIRTHDAYS & ANGELVERSARIES

- Angelversary of Aaron Kane Boyd
- Angelversary of Aaron Ray Fishgrab
- Angelversary of Ada Lynn Harris Haluszczak
- Angelversary of Aiden Zach Scott Towner
- Angelversary of Ainsleigh Lauren Zehr
- Angelversary of Alec Bonser
- Angelversary of Alexander Rex Thomas
- Angelversary of Alicia Rose Curwain
- Angelversary of Amanda and Nicholas Slavin
- Angelversary of Amelia Phoenix Winthers
- Angelversary of Anastasios Glykos
- Angelversary of Anya Joss
- Angelversary of Asher Thomas Miersma
- Angelversary of Avacyn Pichay
- Angelversary of Baby Boy Ewen
- Angelversary of Beatrice Danielle Thurmond
- Angelversary of Benjamin Michael Pytyck
- Angelversary of Braice Menno Geoffrey
- Angelversary of Brandon James Meulebroeck
- Angelversary of Brayden Jay Hawkes
- Angelversary of Braylyn Ann Mareches
- Angelversary of Bristol Hollings Mattson
- Angelversary of Bryan Hewitt
- Angelversary of Bryceton D. J. Nordin
- Angelversary of Brynlee Tuska Christian-Mays
- Angelversary of Caleb Ray Cox
- Angelversary of Callie Jane Casadecalvo
- Angelversary of Camden Ali Fletcher
- Angelversary of Camdyn Gage Seay
- Angelversary of Cameron Anthony Kennell
- Angelversary of Celeste M Hall
- Angelversary of Chastity Auron White
- Angelversary of Choti Daisy
- Angelversary of Christian Davis
- Angelversary of Christian LeRoy Ray
- Angelversary of Christopher Heath Fontaine
- Angelversary of Cody Travis Streetman
- Angelversary of Colin Joseph Verwiel
- Angelversary of Corbin Melton
- Angelversary of Dallas Ann Lynn Miller
- Angelversary of Davaughn Thomas Joseph Curry-Saldana
- Angelversary of Dominic James Rochon
- Angelversary of Donovan Sekeres
- Angelversary of Dylan Jay Stinson
- Angelversary of Einya Elizabeth Sengsourya
- Angelversary of Emilio Manuel Ruiz
- Angelversary of Emily Valentina Pereira Sarazua
- Angelversary of Erik Moolman
- Angelversary of Erin Elizabeth Grant
- Angelversary of Ethan James Moloney
- Angelversary of Ethan Kendall Rhodes
- Angelversary of Faith Marie Florez
- Angelversary of Frederick Payne
- Angelversary of Garrett Reid Benedict
- Angelversary of Gavin Robert VanBrocklin
- Angelversary of George Angelo Topis
- Angelversary of Ian Brocklebank
- Angelversary of Isaac James Santimaw
- Angelversary of Isabelle May Mason
- Angelversary of Jack Joseph Nelson
- Angelversary of Jack William Clum
- Angelversary of Jacob Alexander Morrison
- Angelversary of Jared Kenneth Pongo
- Angelversary of Jason John Flak
- Angelversary of Javon Taylor Morgan
- Angelversary of John Brody Bell
- Angelversary of Jonah Michol Richer
- Angelversary of Jonathan Jeffrey Brandenburg Jr
- Angelversary of Jude Walter Benham
- Angelversary of Julia Cora Zieger
- Angelversary of Kaden Michael Ferguson
- Angelversary of Kamilah Guadalupe Velazquez
- Angelversary of Karan Singh
- Angelversary of Kassidy Jahzara Reed-Pratt
- Angelversary of Kassidy Lynn Bumbaugh-Masser
- Angelversary of Katelynn Jean Spalding
- Angelversary of Katie Elizabeth Yerger
- Angelversary of Kelsey Brooke Cunningham
- Angelversary of Kyle Joseph Kurras
- Angelversary of Kyra Maxime Keller
- Angelversary of Lamont Maurice Lusby Jr.
- Angelversary of Lewis Moore
- Angelversary of Libby Burchell
- Angelversary of Lily Ann Alexopoulos Schmitt
- Angelversary of Logan Charles Minch
- Angelversary of Luke John Ditchfield
- Angelversary of Luke Mathew Reed
- Angelversary of Lydia Rose Green
- Angelversary of Lynlee Albrecht
- Angelversary of Maggie DeMello
- Angelversary of Maisie Alexandra Kroutil
- Angelversary of Makao Alexander Nwarueze
- Angelversary of Mateo Santos
- Angelversary of Maya Sehgal
- Angelversary of McKena Marie Elizabeth Rodden
- Angelversary of Mikayla Marie Duscher
- Angelversary of Mira Astrid Crockett
- Angelversary of Nizhoni Lee Hamm
- Angelversary of Paige Charmaine McNeal
- Angelversary of Patrick Earl Sampson Jr.
- Angelversary of Paxton William Aaron Billings
- Angelversary of Peter Hernan Montes
- Angelversary of Philip Meade Austin
- Angelversary of Poppy Palmer
- Angelversary of Rebecca Faith Havar
- Angelversary of Reed Wyatt Heaton
- Angelversary of Reid Andrew Patterson
- Angelversary of Riley Phillip Edward Morris
- Angelversary of Rowan Echo Matheis
- Angelversary of Ryan David Wells
- Angelversary of Ryan Matzuka
- Angelversary of Sadie Anne Milam
- Angelversary of Sarah Elizabeth Rehm
- Angelversary of Scott William Spudich
- Angelversary of Spencer Allan Workman
- Angelversary of Starlite Sky Courchesne
- Angelversary of Stefan Lee Shadwell
- Angelversary of Sterling Bowen McCaw
- Angelversary of Teresa Glenn Frantz
- Angelversary of WenYuan Wang
- Angelversary of William Gregory Klinzing
- Angelversary of Zachary Roger Nickerson
- Angelversary of Zakariah Hamdy Samir Nada
- Angelversary of Zander Kaige Anderson
- Angelversary of Zoe Lythgoe
- Birthday of Abigail Grace Kushiner
- Birthday of Abraham Thompson
- Birthday of Ada Lynn Harris Haluszczak
- Birthday of Adam Cole Mitchell
- Birthday of Addie Ann August
- Birthday of Aiden Coley
- Birthday of Alex Ewan Shayler
- Birthday of Alexander Rex Thomas
- Birthday of Alexis Marie Schirling
- Birthday of Alicia Michelle Halley
- Birthday of Alicia Rose Curwain
- Birthday of Alma Bria Tedeschi
- Birthday of Amanda and Nicholas Slavin
- Birthday of Amelia Phoenix Winthers
- Birthday of Anahi Rangel
- Birthday of Andrew Quentin Howard
- Birthday of Andrew Travis Smith
- Birthday of Angellove May Natale
- Birthday of Anna M R
- Birthday of Anna Marchesseault
- Birthday of Annabella Faith Hopfensperger
- Birthday of Anthony Bernard Lee
- Birthday of Anthony John Vanesko
- Birthday of Anya Isabelle Nizovtcev
- Birthday of Anya Joss
- Birthday of Ariana Brown
- Birthday of Asher Thomas Miersma
- Birthday of Ashley Elizabeth Browne
- Birthday of Augustus (Gus) B Ginder
- Birthday of Ava Madison Sternfield
- Birthday of Averi Hope Gaynor
- Birthday of Avery Michelle Morgan
- Birthday of Baby Boy Ewen
- Birthday of Bailey Carley Helson
- Birthday of Barnaby George Peters
- Birthday of Basile Bourin
- Birthday of Beatrice Danielle Thurmond
- Birthday of Bennett Gladell
- Birthday of Bennett Gary Wallace
- Birthday of Bethany Grace Hart
- Birthday of Blake Christian Massie
- Birthday of Bradley Leuchte
- Birthday of Braelyn Olivia Kerr
- Birthday of Braice Menno Geoffrey
- Birthday of Brandon James Meulebroeck
- Birthday of Brandy Michelle Rogers
- Birthday of Brayden Jay Hawkes
- Birthday of Bristol Hollings Mattson
- Birthday of Brooklyn Hales
- Birthday of Bryan Hewitt
- Birthday of Brycon Allen
- Birthday of Brynlee Tuska Christian-Mays
- Birthday of Caleb Austin McAndrew
- Birthday of Caleb Binford Burton
- Birthday of Caleb Ray Cox
- Birthday of Callie Jane Casadecalvo
- Birthday of Cameron Anthony Kennell
- Birthday of Carter Sorensen
- Birthday of Carver Parker Malmstrom
- Birthday of Cassidy Joy Koller
- Birthday of Cassidy Nichole Sylves
- Birthday of Charles Morgan Orth
- Birthday of Chase Renny Gonzalez
- Birthday of Chloe Leigh Towne
- Birthday of Choti Daisy
- Birthday of Christopher David Payams
- Birthday of Christopher Louis Rogers
- Birthday of Clayton Dean Speaker Nunley
- Birthday of Cody Travis Streetman
- Birthday of Colin Hambel
- Birthday of Colin Joseph Verwiel
- Birthday of Colin Myer
- Birthday of Connor Anakin Thompson
- Birthday of Cooper Michael Childers
- Birthday of Cooper Weston Gulycz
- Birthday of Corbin Melton
- Birthday of Cruz Valdez
- Birthday of Dakota Montgomery Linton
- Birthday of Dameron Edward O'Guin
- Birthday of Daniel Patrick James Pearson
- Birthday of Darcy Adam Jones Jr
- Birthday of David Christopher Chubb
- Birthday of David Valera Angil
- Birthday of Derek Vito Minervini
- Birthday of Donovan Sekeres
- Birthday of Douglas Arthur II McCullough
- Birthday of Dreyton Srimouksavanh
- Birthday of Dylan Jay Stinson
- Birthday of Echo Fae Thomas-Bostrom
- Birthday of Edwina Chu
- Birthday of Eeva Sujith



CDH INTERNATIONAL

NOVEMBER BIRTHDAYS & ANGELVERSARIES

- Birthday of Elias Joseph Mat
- Birthday of Elijah Jameson Scarce
- Birthday of Elijah Scott Jaburg
- Birthday of Elizabeth Anna Gilbert
- Birthday of Elsie Elda Wilke
- Birthday of Ember Jayde Mullins
- Birthday of Emilia (Mia) Salamanca
- Birthday of Emilio Manuel Ruiz
- Birthday of Emily Rose Sowell
- Birthday of Eric Christopher Schmitt
- Birthday of Erik Blandford Anderson
- Birthday of Erik Moolman
- Birthday of Ethan James Kendall
- Birthday of Ethan James Whetzel
- Birthday of Eunice Emily Banda
- Birthday of Faith Elizabeth Schultz
- Birthday of Faith Marie Florez
- Birthday of Faith Platt
- Birthday of Flynn Nicholas Leigh-Baker
- Birthday of Frederick Payne
- Birthday of Gabriel Alejandro Rodriguez
- Birthday of Galen Maxwell Le
- Birthday of Garrett Reid Benedict
- Birthday of George Angelo Topis
- Birthday of Graham Pauls Winslow
- Birthday of Grayson Ranae Enoch
- Birthday of Greyson Paul Nichols
- Birthday of Griffin Winn Vaughn
- Birthday of Harlee James Schrennberg Timms
- Birthday of Harper Rae Graveman
- Birthday of Heidi Anne Penny
- Birthday of Helene Hauris Smith
- Birthday of Henrieke Oldiges
- Birthday of Henry Archer Moore
- Birthday of Hunter Todd Muncy
- Birthday of Ian Joseph Gorman
- Birthday of Iker Emiliano Morales
- Birthday of Isaac James Santimaw
- Birthday of Isaac William Morse
- Birthday of Isabella Grace Jackson-Tahay
- Birthday of Isabelle May Mason
- Birthday of Iselin Utigard Andersen
- Birthday of Jack Antoine Abribat
- Birthday of Jack David Doy
- Birthday of Jack Joseph Nelson
- Birthday of Jack King
- Birthday of Jack William Clum
- Birthday of Jacob Alexander Morrison
- Birthday of Jacob Steven Green
- Birthday of Jacob Vincent Esparza
- Birthday of Jacob Wesley William Thompson
- Birthday of Jadon Foster
- Birthday of James Michael Garrett
- Birthday of Jane Chua
- Birthday of Jared Kenneth Pongo
- Birthday of Jason Thomas Kennemer
- Birthday of Jaxson Royce Sarabia
- Birthday of Jayden Hill
- Birthday of Jayden Michael Jefferes
- Birthday of Jayson Mooney
- Birthday of Jeffery Ronald Durrigan
- Birthday of Jenasis Rose Villanueva
- Birthday of Jeremiah N. Hoene
- Birthday of Jesse Christian Toth
- Birthday of Jessica Brook McIntyre
- Birthday of Jessica Tafolla-Flores
- Birthday of Jim Beau Reinhardt
- Birthday of Joaquin Tae-Seung Briones Jimenez
- Birthday of John Brody Bell
- Birthday of John Clinton DeLoux Hollingsworth
- Birthday of Johnnathan Alexander Porter
- Birthday of Jonah Michol Richer
- Birthday of Jonathan Rey Villarreal
- Birthday of Joshua Alonzo Lozano
- Birthday of Joshua Cameron McCarty
- Birthday of Jude Walter Benham
- Birthday of Julia Cora Zieger
- Birthday of Julia Mazel Starr
- Birthday of K. P. Beachnau
- Birthday of Kadin Jones
- Birthday of Kallie Ann Bogaert
- Birthday of Kambrie Gwen Klick
- Birthday of Kara Melissa Westover
- Birthday of Karan Singh
- Birthday of Karen Mendez
- Birthday of Kasey James Colvin
- Birthday of Kassidy Jahzara Reed-Pratt
- Birthday of Katelynn Jean Spalding
- Birthday of Kathleen Angela Donovan
- Birthday of Katie Bella von Gillern
- Birthday of Katie Elizabeth Yeger
- Birthday of Kayden Charles May
- Birthday of Kayden Stiles
- Birthday of Kaylee Marie Izzett
- Birthday of Kelli Kristen Hokamp
- Birthday of Kelsey Ray Glindeman-Smith
- Birthday of Kevin S. Charrin
- Birthday of Kian Roux
- Birthday of Kole Matthew Thompson
- Birthday of Kristel Catayong DeClaire
- Birthday of Kyle Joseph Kurras
- Birthday of Kylee Jayde Hamblet
- Birthday of Kyra Maxime Keller
- Birthday of Lance Thomas Pentzer
- Birthday of Landyn Boltz
- Birthday of Layla Rose Heiden
- Birthday of Layton Neal Perkins
- Birthday of Lea Luna Fontana
- Birthday of Leann Deforge
- Birthday of Leanne Boucher
- Birthday of Legacy Zanders-Jones
- Birthday of Leo James Dorian
- Birthday of Lewis Nathan Richard Boyd
- Birthday of Libby Burchell
- Birthday of Lila Kate Carpenter
- Birthday of Lila-May Marie Brooks
- Birthday of Liliana Rose Casella
- Birthday of Logan Dwaine Saienni
- Birthday of Logan Jude Romeo
- Birthday of Lucy Jensen
- Birthday of Luis Pinedo
- Birthday of Luke Dean Curry
- Birthday of Lyla Elizabeth Threlkeld
- Birthday of Lyric Reign Scurlock
- Birthday of Madison Faith Broward
- Birthday of Maggie DeMello
- Birthday of Maisie Alexandra Kroutil
- Birthday of Maisy Brooke McCulloch
- Birthday of Maria Christine Werling
- Birthday of Marshall Draven Curry
- Birthday of Mary Frances Davidson
- Birthday of Mason Christopher Edwards
- Birthday of Mason John Linehan
- Birthday of Mateo Santos
- Birthday of Matthew John Marx
- Birthday of Matthew Robert Kelley
- Birthday of Max Anthony Wyatt
- Birthday of Max James Dingwall
- Birthday of Maya Sehgal
- Birthday of McKena Marie Elizabeth Rodden
- Birthday of Megan Hogg
- Birthday of Meghan M. Baxter
- Birthday of Mia Blake
- Birthday of Mikayla Marie Duscher
- Birthday of Miles Immanuel Crume
- Birthday of Mira Astrid Crockett
- Birthday of Morgan Anne Lee
- Birthday of Naomi Tuke
- Birthday of Natalie Grace Lund
- Birthday of Natalie Nevarez
- Birthday of Nathan Barber
- Birthday of Nathan Winfield Hartford
- Birthday of Niall Christian Ashburner
- Birthday of Nicholas Alexander Strickland
- Birthday of Nikolas James R. Glover
- Birthday of Nizhoni Lee Hamm
- Birthday of Noah Samuel Geisler
- Birthday of Owen Chitty
- Birthday of Owen Reed Densmore
- Birthday of Owen Tatum
- Birthday of Paige Charmaine McNeal
- Birthday of Patrick Earl Sampson Jr.
- Birthday of Paxton William Aaron Billings
- Birthday of Philip (Par) Andrew Rich
- Birthday of Philip Meade Austin
- Birthday of Polina Spoelder
- Birthday of Poppy Palmer
- Birthday of Quinn Ashton Blackshaw
- Birthday of Rakari Christian Harris
- Birthday of Ray James Heald
- Birthday of Rebecca Breana Higgins
- Birthday of Rebecca Rae Sanders
- Birthday of Rebecca Rhodes
- Birthday of Reece H. Griffith
- Birthday of Reed Wyatt Heaton
- Birthday of Reid Andrew Patterson
- Birthday of Reilly Caleb Ayers
- Birthday of Riley Catherine Kappa
- Birthday of Ronnie Weitzel
- Birthday of Rosey Watts
- Birthday of Rowan Echo Matheis
- Birthday of Ryan Connor Krafft
- Birthday of Ryan David Wells
- Birthday of Samantha D. Johnson
- Birthday of Samuel Giraldo
- Birthday of Sandra Anne McCune
- Birthday of Sarah Christina Lewis
- Birthday of Sarah Elizabeth Rehm
- Birthday of Sarah Violet Collins
- Birthday of Sean Mitchell Benson
- Birthday of Shawn Douglass Mixdorf
- Birthday of Sidney Taylor
- Birthday of Skylor Howard
- Birthday of Skyrah Faith Sears
- Birthday of Spencer Allan Workman
- Birthday of Stefano Rossi
- Birthday of Susan Elaine Courim
- Birthday of Taniyah Mika Ann Furbert
- Birthday of Thomas William Woolley
- Birthday of Tomas Guzman
- Birthday of Torren Lazare Tabron
- Birthday of Trenton J Estes
- Birthday of Trey Sarver
- Birthday of Tripp Mitchell
- Birthday of Tyr Oak Hillestad
- Birthday of Valancy Joy Anderson
- Birthday of Vito Robert Pensavecchia
- Birthday of WenYuan Wang
- Birthday of Weston Tanner Lovelace
- Birthday of William James Kowalski
- Birthday of William Joseph Sawyer
- Birthday of Wyatt Strelow
- Birthday of Zachary Roger Nickerson
- Birthday of Zoe Amelia Stevenson
- Birthday of Zoe Ann Meenan



SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3 International Day of Persons with Disabilities	4	5	6	7 Hanukkah	8	9
10 Children's Memorial Day 7:00 pm Candlelighting	11	12	13	14	15	17
16	18	19	20	21	22	23
24 Christmas Eve	25 Christmas Day	26 Boxing Day Kwanzaa	27	28	29	30
31 New Year's Eve Donate by Midnight!						

December 2023

Editor's Note

Happy Holidays from CDH International!



Dear Friends,

The photograph below is an edited photo of our office hallway. We decorate every year with ornaments from around the United States on the tree, Proclamations and Legislation on our wall, our mascot propped in the corner and dressed for the holidays. Other rooms contain different decorations.

The altered photo includes the spirit of my son, Shane, lost to CDH at six years old. This image is significant to me not only because it includes my son but it reminds me that this place contains the spirit of the fight against CDH. It contains hope as well. Everything we do at CDH International is because of and for these precious children of all ages.

In this issue, we would like to inform you about the research publication shared on the next page. The data is clear; there is no argument for large CDH centers and patient relocation when a Standard of Care can ensure appropriate care for all patients born with Congenital Diaphragmatic Hernia at every equipped children's hospital.

We invite you to work with CDH International, GRACA, the WHO, NIH, other organizations, pediatric surgeons, and families worldwide to continue pushing for better survival rates for all babies born with CDH through a Standard of Care.

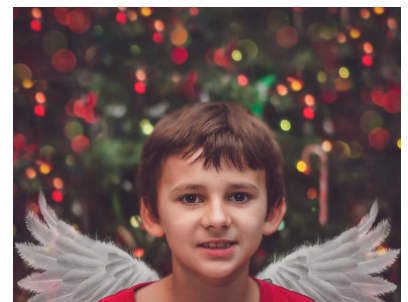
All through this issue, we share with you how you, your company, your hospital, and your loved ones can get involved. This is a unique opportunity to help save the lives of 1000's of children personally. Will you be part of stopping Congenital Diaphragmatic Hernia?

Happiest of Holidays & Peace To You All,

DAWN M. TORRENCE IRELAND

President & Founder

"Money is not the only commodity that is fun to give. We can give time, we can give our expertise, we can give our love, or simply give a smile. What does that cost? The point is, none of us can ever run out of something worthwhile to give".- Steve Goodier



Journal of Surgical Research

Volume 273, May 2022, Pages 71-78

Read the full article at <https://www.sciencedirect.com/science/article/abs/pii/S0022480421007460>**Center Volume and Cost-Effectiveness in the Treatment of Congenital Diaphragmatic Hernia**

Ruth Lewit MD, MPH and Tim Jancelewicz MD, MA, MS

Le Bonheur Children's Hospital, University of Tennessee Health Science Center, Memphis, Tennessee

Background

The care of patients with congenital diaphragmatic hernia (CDH) is expensive, yet little is known about variability in cost-of-care for these patients. The purpose of this study was to examine the cost-effectiveness of CDH treatment, comparing high-versus low-volume centers.

Methods

This is a retrospective study of neonatal patients with CDH at U.S. hospitals using data from the Pediatric Health Information System database (2015-2018). Centers were considered high-volume if they had ≥ 10 patients with CDH for ≥ 2 y. Cost-effectiveness analysis was performed with cost per survivor as the outcome measure, and probabilistic sensitivity analysis was performed.

Results

A total of 1687 patients were included in the study. Overall mortality was 24.4%. Patients at high-volume centers had a longer mean length of stay (64 d versus 48 d for low-volume centers, $P = 0.0001$) and higher extracorporeal life support (ECLS) rates (32% versus 24%, $P = 0.002$). Risk-adjusted mortality did not differ between high- and low-volume centers (23.9% versus 25.9%, $P = 0.39$), except when ECLS was involved (42% versus 56%, $P = 0.011$). Costs were significantly higher at high-volume centers ($\$395,291 \pm 508,351$ versus $\$255,074 \pm 308,802$, $P < 0.0001$). Survival status, ECLS use, operative repair, length of stay, high-volume status, and gestational age were identified as independent drivers of cost. On cost-effectiveness analysis, low-volume hospitals were more cost-effective in 95% of simulations.

Conclusions

High-volume centers have substantially higher costs without an associated survival benefit and are less cost-effective than low-volume centers. Standardization of care is necessary to minimize the delivery of low-value care.

Introduction

Congenital diaphragmatic hernia (CDH) is a common neonatal surgical condition seen in approximately 1 in 3000 live births. Overall mortality is approximately 30%, and CDH is universally fatal without surgical correction. Those who survive often have long hospital stays, and some require extracorporeal life support (ECLS). Very few studies have investigated the costs associated with the care of patients with CDH. A recent study by Cameron et al. showed that CDH had the highest cost burden among surgical procedures in pediatrics, with an adjusted median hospital cost per patient of \$158,113.1 An earlier study from 1994 reported the mean cost per patient, including hospital costs plus professional fees, was reported as \$137,000 in 1993 dollars,² which would be equivalent to \$245,251 now adjusted for inflation.

Studies further elucidating the trends behind these high costs are limited. Poley et al. found that treating CDH was cost-effective compared with no treatment.³ Studies have demonstrated that ECLS is the largest contributor to these high costs⁴ and that higher costs are seen in patients with more severe disease.⁵ Furthermore, there is conflicting evidence regarding the relationship between center volume and outcomes in CDH.⁶

With increasing health care costs nationally, cost-effective care and avoidance of low-value care remain vitally important components of health care delivery. Risk-adjusted mortality and cost-effectiveness comparing high- and low-volume centers would provide valuable data that could inform the construction of clinical practice guidelines for CDH. The purpose of this study was to expand on prior work to better define the relationship between center volume, outcomes, and cost in CDH care and to perform a full cost-effectiveness analysis comparing high- and low-volume centers to determine if greater expenditure is associated with any survival advantage in the care of CDH. A secondary objective of this study was to explore the significant drivers influencing expenses. It is hypothesized that high-volume centers will have equivalent risk-adjusted mortality to low-volume centers and will be less cost-effective.

CDH International cannot reprint the entire article in our magazine per copyright laws. Read the full article at <https://www.sciencedirect.com/science/article/abs/pii/S0022480421007460>



CDH INTERNATIONAL

HOW CAN YOU HELP?



You can make a difference!

Sign the Petition - <https://www.change.org/p/save-our-children-with-a-standard-of-care-for-congenital-diaphragmatic-hernia?redirect=false>

Donate to Research - <https://cdhi.org/donate>

Sponsor GRACA - <http://congenitalanomalies.org/>

Participate in Research - <https://cdhi.org/research/>

Join the CDH Angel Club - <https://cdhi.org/cdh-angel-club>

Fundraise for CDH International - Email fundraising@cdhi.org



CDH International is less than \$65,000 from reaching \$3,000,000 raised to fight Congenital Diaphragmatic Hernia!

Help us to reach this amazing goal by the end of the year!

CDH International is a U.S. Combined Federal Campaign Charity

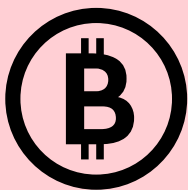
Workplace Donations

2023 CFC Charity #31232



Ways To Give Before December 31st for Your Annual Charitable Tax-Deduction:

www.cdhi.org/donate



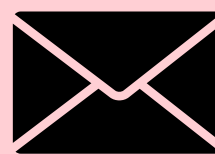
Donate Cryptocurrency



Donate Stocks or Bonds



Donate by Card



Donate by Check
CDH International
3650 Rogers Rd #290
Wake Forest, NC 27587 USA



Donate Airline / Hotel Miles
to help cover Research Conference Costs
Email donate@cdhi.org



"CDH International has helped me by going above and beyond with as many resources they provide to this community.

The access to hundreds of families going through their own journeys, the research to be able to educate myself and also my family, and friends that had no idea what CDH even meant, and as well as providing an arm to lean on when our good days turned to bad days. Their attentiveness throughout Owen's life was truly a blessing."



HAYLEE DENSMORE
Mom to CDH angel, Owen

"From day one

CDH International has supported us and now it is time we give back and help.



DAVE & KARLA HOLT
Parents to CDH Survivor, Braden

"CDH International was our first big point of contact through Maya's CDH journey.

From the diagnosis, to her passing, we felt comfort knowing we weren't alone. When we received the "care package" while I was still pregnant with Maya, I felt like I just received the biggest hug that the world could give. I wish I could have used the baby items that were included, but we still hold onto them in remembrance of her."



MADISON BAILEY
Mom to CDH Angel Maya

"CDHi has helped me connect with parents that have gone through something similar with their baby.

It is nice being able to talk with parents that have gone through the same things my daughter and I have. We all have different stories and journeys, but have been affected by the same condition."



MADISON CARPENTER
Mom to CDH Survivor Adalynn

"The access to families with someone with CDH is unbelievable.

I was the one putting in hours of researching time. CDH was a lot to take in at 19 years old."



KAYLENE MOORE
Mom to CDH Survivor Jeremiah

"CHERUBS was my light in a very dark time. Brought me in contact with others who knew what I was going through. I have made life long friends due to CHERUBS"



TARA HALL
Mom to CDH Survivor, Brandon

"I'm such a new member.

I can say that if I knew of this group years ago it would have really helped me and I could have really helped others. I was so young when I had my cherubs, only 18 and again at 19 years old. My husband being only a year older than myself he wasn't around much. I felt pretty much alone in this. I'm grateful that I had my mother there for me through it all. I am glad I have CHERUBS now so I don't feel so alone!"



Michelle Woodward

"Thanks to CDH International, we were never fighting CDH alone.

We had the support, inspiration, and informational resources we needed during the hardest fight of our life."



JILL GIBSON
Mom to CDH Survivor Ben



CDH INTERNATIONAL



Free Personalizable Graphics!

<https://cdhi.org/free-personalizable-graphics-for-the-october-15th-wave-of-light/>



November 28th is Giving Tuesday! It is a globally recognized day to support nonprofits after 4 days of supporting for profits businesses and shopping holiday sales.

Please support the fight against Congenital Diaphragmatic Hernia and help to save the lives of 1000's of under supported patients fighting to breathe.

Attention Social Media Influencers & CDH Models! - Earn 10% commission as a CDH Awareness Shop Affiliate! Make money and help raise CDH Awareness while supporting the world's oldest, largest and leading Congenital Diaphragmatic Hernia charity!

Sign up at <https://af.uppromote.com/cdh-international/register>



Affiliate Marketing



Sign the Petition for a CDH Standard of Care!
<https://www.change.org/p/save-our-children-with-a-standard-of-care-for-congenital-diaphragmatic-hernia>



National Children's Memorial Day

December 10, 2023

Light at candle at 7:00 pm in your time zone to remember all of our children lost to Congenital Diaphragmatic Hernia, of any age.



Every winter, we honor the memories of those children (and a few adults) lost to Congenital Diaphragmatic Hernia. This year, we decided to honor these patients for 2 months, beginning in October for the 2022 Wave of Light and they will continue through 2022 National Children's Memorial Day. After that Sunday, snowflakes will be added for CDH survivors as well. Loved ones can light additional candles for a \$5.00 donation to help the cause.

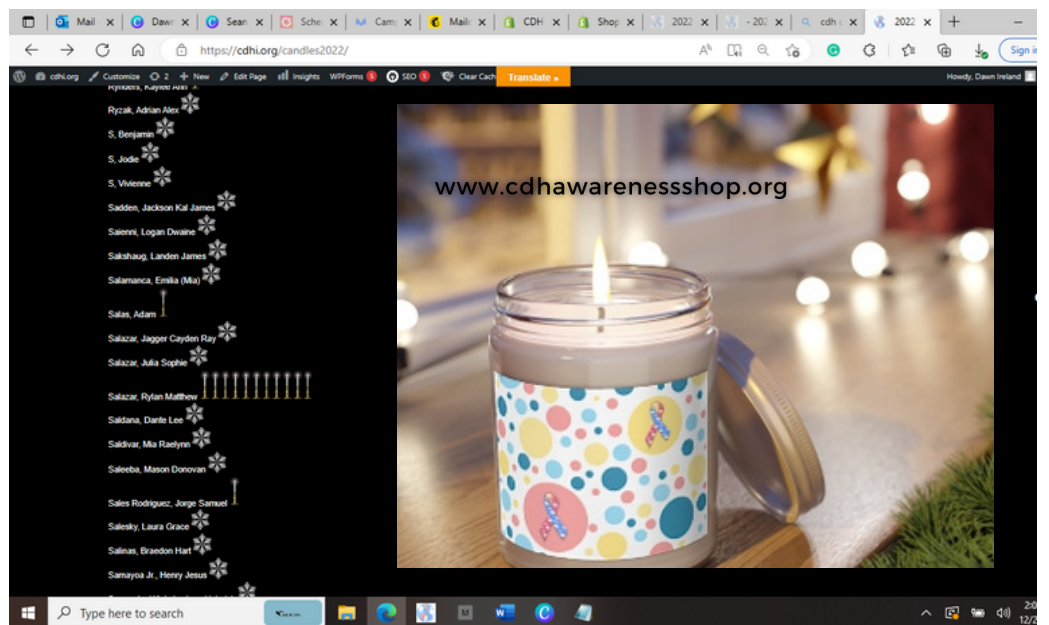
<https://cdhi.org/ncmd2023/>

On these two days, real candles will be lit at 7:00 pm in all time zones so that there will be constant light around the world in memory of our children in Heaven. Virtual candles will be lit on our site from October 1st to January 1st.

2023 Wave of Light - October 15th

2023 National Children's Memorial Day - December 10th

Snowflakes and Candles are featured for each CDH patient until January 1st.



SPECIAL CDH RESEARCH PROJECTS

IF YOU HAVE NOT COMPLETED THE CDH RESEARCH SURVEY, PLEASE DO SO. IF YOU NEED HELP SIGNING IN, PLEASE REACH OUT TO JASON MILLER AT RESEARCH@CDH.ORG

CURRENTLY, WE ARE KEENLY INTERESTED IN DOING RESEARCH ON:

- FAMILIES WITH MORE THAN 1 CDH PATIENT
- ETHNICITY OF CDH PATIENTS (NEW!)
- CDH PATIENTS BORN IN MULTIPLES (TWIN, TRIPLET, ETC)
- CDH SURVIVORS OVER 18 YEARS OLD
- FEMALE CDH SURVIVORS WHO HAVE BECOME PREGNANT
- FAMILIES THAT RELOCATED FOR HOSPITAL CARE
- CDH PATIENTS WHO REHERNIATED
- CDH PATIENTS DIAGNOSED WITH RSV
- CDH PATIENTS DIAGNOSED WITH COVID-19
- FAMILIES WHO LIVE IN THE MIDDLE EAST, AFRICA AND ASIA
- FAMILIES WHO CHOSE TO TERMINATE THEIR CDH PREGNANCY
- THE HOSPITAL CARE EXPERIENCE OF ALL CDH FAMILIES

CDH International Patient Advocacy Board

- Nicole Colvin
- Robyn Fletcher
- Melissa Johnstone
- Morgan Nuchols
- Sean Forney
- Taylor Steffensmeier
- Danae Perkins
- Lauren Dietz
- Renci Scurlock
- Tina Ingham

"It isn't enough to talk about peace. One must believe in it. And it isn't enough to believe in it. One must work at it." — Eleanor Roosevelt



CONGENITAL DIAPHRAGMATIC HERNIA RESEARCH

Introducing the CDH Patient Registry: A Global Natural History Registry

Dawn M. Torrence Ireland,¹ Jason Miller,² Mahmoud El Fiky, MD,^{2,3} Brooke Newman, MSN, Doctor of Nursing Practice,¹ Kamal Saleh,¹ Tracy Meats,¹ Darlene Silverman,¹ Maria Harb¹

Abstract:

In 2015, CDH International presented the "20 Year Demographic from CDH International" in poster form to report the general data in the CDH Patient Registry. In 2022, CDH International has built the first, global natural history registry of Congenital Diaphragmatic Hernia patients. Our paper will take a look at why this was needed, how it was created and the future uses of this patient data.

Purpose:

To bridge the data gaps in Congenital Diaphragmatic Hernia research, to abate limitations of our former system and introduce a new, robust registry that benefits a larger patient community. We also intend to provide a comprehensive, expandable Congenital Diaphragmatic Hernia patient registry to researchers offering natural history and other non-clinical information. Our goal is to update that data with a more in depth look at CDH but to also create a registry that allows patients to retain individual data ownership and to update or remove their information.

Methods:

CDH International has used questionnaires since 1995 to gather information from adult CDH survivors and parents of CDH patients. We verify these patients through a HIPAA and GDPR compliant portal vetting system. The questionnaires contain multiple choice, yes and no, and grid-based queries with multiple sections expanding based on the participant's response. Participants receive yearly reminders to update the status of the patient where applicable.

Table 1: Member Demographics

Side of CDH	Male Survivors	Female Survivors	Male Non-Survivors	Female Non-Survivors	Dece	Total
Left-Sided	77 (42.08%)	58 (31.69%)	20 (10.93%)	28 (15.3%)	0 (0.00%)	183 (4.02%)
Right-Sided	12 (6.77%)	18 (10.00%)	6 (3.28%)	3 (1.63%)	0 (0.00%)	39 (0.86%)
Bilateral	0 (0.00%)	0 (0.00%)	0 (0.00%)	4 (2.22%)	0 (0.00%)	4 (0.01%)
Unknown/Unanswered	1312 (73.13%)	1039 (57.32%)	738 (40.64%)	501 (27.11%)	710 (38.47%)	4312 (94.81%)
Totals	1401 (78.80%)	1120 (61.62%)	764 (41.79%)	504 (27.32%)	710 (38.47%)	4549

Chart 1: Survival

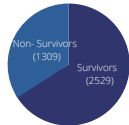


Chart 2: Patient Age of Survivors

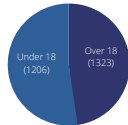


Chart 3: Patient Location (84 countries)



Data Points:

- Lung Capacity at Birth vs Current
- Reherniation
- Maternal and Paternal Exposures
- Current Medications
- Record of other defects (Gastrointestinal, Skeletal, CNS, Cardiac, etc)
- Familial CDH
- Developmental Delays
- Allergies
- Hospital Stay & Infections
- Maternal and Paternal Drug Exposures
- Geographical, Religious, Socio-Economic Backgrounds
- Repair Procedure Materials
- Emotional Health of Patients
- CDH Patient Pregnancy Statistics
- Parental Opinion on Future CDH Research

Results:

Moving from a self-hosted database to REDCap has maximized the flexibility of our unique datasets and has made them easily available to the clinical researchers. We can now quickly access data on Congenital Diaphragmatic Hernia and information including, but not limited to: prenatal diagnosis, ECLS, reherniation, transitional care, quality of life, fetal surgery, gestational exposures, genetic information and family medical history.

CDH International also now has the capability to allow the Alliance of Congenital Diaphragmatic Hernia Organizations (ACDHO) with different patient populations and like Congenital Anomaly organizations in the Surgical Anomalies Research Alliance (SARA) to utilize our REDCap instrument to create their own natural history studies at no cost under our mentorship.

Conclusion:

CDH International is now able to help aggregate Congenital Diaphragmatic Hernia patient natural history data and other points of interest not generally gathered by clinical staff that may prove useful in the community's research efforts. Collaborations with the CDH Study Group, DHREAMS, NIH's KidsFirst registry and others can use our combined deidentified data to create a more detailed analysis of CDH patients. For example, if a clinical researcher needed to look at a cohort of non-surviving males, with right-sided CDH, whose mother used ibuprofen during the second semester or whose grandfather served in the Korean War, CDH International will be able to query our database to return results for that specific sub-group.

With over 15,000 unique datapoints within 765 questions, researchers can either take a wide sampling or narrow their focus to specific populations. Using the REDCap web application hosted by WOFAPS, CDH International will now be able to seamlessly partner with any other organization within the REDCap ecosystem.

59.42 Days
Average number of days CDH patients spend in hospital

Of the survivors, 1323 are over 18 years of age.
All surviving participants are asked about COVID-19 diagnoses, outcomes and complications.

Institutions:

- 1 CDH International
- 2 Cairo University
- 3 World Federation of Associations of Pediatric Surgeons (WOFAPS)



How does CDH International Support Congenital Diaphragmatic Hernia Research?

- CDH Patient Registry of Natural History Data
- Research Grants to CDH Research Hospitals
- Research Publications Co-Authored with Universities & Labs
- Global CDH Patient Advocacy
- Lobbying & Support of Legislation for Funding
- Collaborations With Other CDH Charities, Pediatric Surgeons, Hospitals, Universities, NIH, WHO, CDC, March of Dimes, Rare Disease Alliances, and More
- Member of 8 Pediatric Surgery Associations
- Member of 8 Rare Disease Associations
- Founding Member of 4 Alliances

Congenital Diaphragmatic Hernia: Patient Parents As Partners

Dawn M. Torrence Ireland,¹ Jason Miller,¹ Mahmoud El Fiky, MD,^{2,3} Brooke Newman, MSN, Doctor of Nursing Practice,¹ Kamal Saleh,¹ Tracy Meats,¹ Darlene Silverman,¹ Maria Harb¹



Chart 1: What are the biggest things you'd like to see in the CDH community in 2022? (n=115, multiple options)

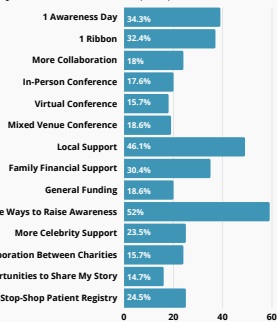
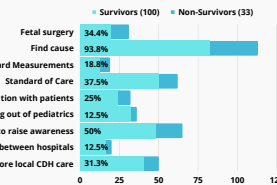


Chart 2: Which areas would you like to see CDH Research focusing on more? (N=133, multiple option)



Abstract:

The purpose of this study is to evaluate the patient-family experience in the care of Congenital Diaphragmatic Hernia. We took an in-depth look at the financial toll on families who relocated for medical vs those who did not, as well as the emotional toll on family members. We asked the families how they felt about being a partner in their child's care and if they were given enough and appropriate information.

Purpose:

To identify gaps in collaboration between Patient Parents and Medical Care Providers, as well as gaps in global Research and Awareness efforts for Congenital Diaphragmatic Hernia.

Methods:

We surveyed over 4513 CDH families who have voluntarily participated in the CDH Patient Registry, asking them for their opinions on their child's care, their roles in the care team and if they felt like a partner in that care. 2468 of these patients were survivors, 1292 non-survivors, 697 unknown. Of the survivors, 1323 were over 18 years of age.

We also surveyed families on the overall general research of Congenital Diaphragmatic Hernia and what they would like to see more funds and efforts focused on, as well as their opinion on a global Standard of Care for Congenital Diaphragmatic Hernia and a Standard Measurement of Mortality and Morbidity

Results:

An increasing number of respondents felt frustrated with the lack of Standards of Care and Measurements of Mortality and Morbidity, citing issues with insurance approvals, school IEPs and the lack of accurate, unbiased information about. In the United States, many families have reported that they felt pressured to travel outside of their state or region because they had no way of knowing the accurate survival and treatment rates of individual hospitals.

Conclusion:

There is still a disconnect between the CDH Research Community and the CDH Patient Community. Even though CDH International and other organizations frequently share research updates with families, the patient community desires more research focus on the topics more beneficial to their ongoing care. They also would appreciate more collaboration among research institutions to create Standards of Care and Measurements of Mortality and Morbidity that will improve overall long term quality of care and allow the patient community to make more informed decisions.

Chart 3: How do you feel about current CDH information? (n=113, multiple options)

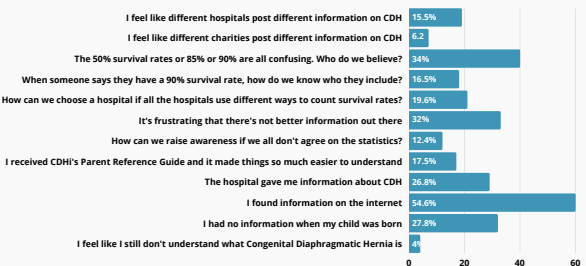
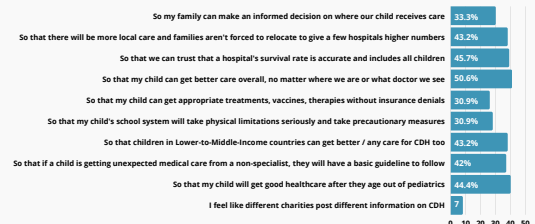


Chart 4: Why would you like a Standard of Care and Standard Measurements of Mortality and Morbidity for CDH? (n=94, multiple options)



Institutions:

- 1 CDH International
- 2 Cairo University
- 3 World Federation of Associations of Pediatric Surgeons (WOFAPS)



CONGENITAL DIAPHRAGMATIC HERNIA RESEARCH

CDH RESEARCH UPDATES

DARLENE SILVERMAN, RESEARCH LIBRARIAN

- Maternal congenital diaphragmatic hernia which first presented in second pregnancy - <https://pubmed.ncbi.nlm.nih.gov/37753514/>
- Comparison of conventional mechanical ventilation and high-frequency oscillatory ventilation in congenital diaphragmatic hernias: a systematic review and meta-analysis - <https://pubmed.ncbi.nlm.nih.gov/37752154/>
- PLS3 missense variants affecting the actin-binding domains cause X-linked congenital diaphragmatic hernia and body-wall defects - <https://pubmed.ncbi.nlm.nih.gov/37751738/>
- Cardiopulmonary Morbidity in Adults Born With Congenital Diaphragmatic Hernia - <https://pubmed.ncbi.nlm.nih.gov/37750210/>
- Intact cord resuscitation in newborns with congenital diaphragmatic hernia: insights from a lamb model - <https://pubmed.ncbi.nlm.nih.gov/37744447/>
- A rare case of hepatopulmonary fusion associated with a right congenital diaphragmatic hernia: Case report and review of the literature - <https://pubmed.ncbi.nlm.nih.gov/37741077/>
- Importance of nutrient balance in severe congenital diaphragmatic hernia: A retrospective case-control study - <https://pubmed.ncbi.nlm.nih.gov/37739682/>
- Organization of care of infants with congenital diaphragmatic hernia-Building a high-functioning CDH program - <https://pubmed.ncbi.nlm.nih.gov/37798339/>
- Imaging features of renal ectopia and fusion in 13 cats - <https://pubmed.ncbi.nlm.nih.gov/37791875/>
- Hydrothorax and air fluid levels in the right chest – a diagnostic dilemma - <https://pubmed.ncbi.nlm.nih.gov/37791713/>
- A rare presentation of a gastric volvulus in an adult Bochdalek hernia: a case report - <https://pubmed.ncbi.nlm.nih.gov/37790291/>
- Incidentally Diagnosed Large Asymptomatic Morgagni Hernia in Adult Male Patient - <https://pubmed.ncbi.nlm.nih.gov/37789983/>
- Fetal surgery using fetoscopic endoluminal tracheal occlusion for severe congenital diaphragmatic hernia: a single-center experience - <https://pubmed.ncbi.nlm.nih.gov/37789206/>
- Early echocardiographic pulmonary artery measurements as prognostic indicators in left congenital diaphragmatic hernia - <https://pubmed.ncbi.nlm.nih.gov/37784067/>
- Postnatal diagnosis of congenital anomalies despite active systematic prenatal screening policies: a population-based registry study - <https://pubmed.ncbi.nlm.nih.gov/37783275/>
- A pneumectomy model to study flow-induced pulmonary hypertension and compensatory lung growth - <https://pubmed.ncbi.nlm.nih.gov/37827157/>
- Major Congenital Anomalies in Korean Livebirths in 2013-2014: Based on the National Health Insurance Database - <https://pubmed.ncbi.nlm.nih.gov/37821084/>
- Carotid Artery Patency and Neurodevelopmental Outcomes After Decannulation in Pediatric Extracorporeal Life Support - <https://pubmed.ncbi.nlm.nih.gov/37820396/>
- Non traumatic right Bochdalek hernia with loss of Domain in adults. Our experience and review of literature - <https://pubmed.ncbi.nlm.nih.gov/37814503/>
- MRI prediction of fetal lung volumes and the impact on counselling - <https://pubmed.ncbi.nlm.nih.gov/37813756/>
- Fetal lung volumes measured by MRI predict pulmonary morbidity among infants with giant omphaloceles - <https://pubmed.ncbi.nlm.nih.gov/37807606/>
- Late-presenting congenital diaphragmatic hernia in a child with gastric perforation and acute pancreatitis - <https://pubmed.ncbi.nlm.nih.gov/37853980/>
- Reply to: Lung ultrasound in neonates with congenital diaphragmatic hernia and the need for a quantitative evaluation - <https://pubmed.ncbi.nlm.nih.gov/37847264/>
- Hospital Variation in Mortality and Failure to Rescue after Surgery for High-Risk Neonatal Diagnoses - <https://pubmed.ncbi.nlm.nih.gov/37844560/>
- aCGH Analysis Reveals Novel Mutations Associated with Congenital Diaphragmatic Hernia Plus (CDH+) - <https://pubmed.ncbi.nlm.nih.gov/37834755/>
- Safe thoracoscopic repair of recurrent congenital diaphragmatic hernia after initial open abdominal repair - <https://pubmed.ncbi.nlm.nih.gov/37831144/>
- SLIT3-Fibroblast Signaling as a Potential Anti-fibrotic Target - <https://pubmed.ncbi.nlm.nih.gov/37830982/>
- Benign intestinal pneumatosis associated with congenital Morgagni-Larrey diaphragmatic hernia - <https://pubmed.ncbi.nlm.nih.gov/37882156/>
- Case Report: 5 Cases of Variant Hypoplastic Left Heart Syndrome Diagnosed on Prenatal Fetal Ultrasound - <https://pubmed.ncbi.nlm.nih.gov/37880936/>
- Diagnosis and management of congenital diaphragmatic hernia: a 2023 update from the Canadian Congenital Diaphragmatic Hernia Collaborative - <https://pubmed.ncbi.nlm.nih.gov/37879884/>
- The pentalogy of Cantrell: A rare and challenging prenatal diagnosis - <https://pubmed.ncbi.nlm.nih.gov/37879290/>
- Bilateral incarcerated Morgagni hernia with bowel obstruction: A case report - <https://pubmed.ncbi.nlm.nih.gov/37869584/>
- Thoracoscopic Patch Repair of Congenital Diaphragmatic Hernia: Can Smaller Incisions Treat Larger Defects? - <https://pubmed.ncbi.nlm.nih.gov/37867043/>
- Early Ventilator Management for Infants With Congenital Diaphragmatic Hernia: Impact of a Standardized Clinical Practice Guideline - <https://pubmed.ncbi.nlm.nih.gov/37865575/>
- Intraoperative Regional Cerebral Oxygenation During Pediatric Thoracoscopic Surgery: A Systematic Review - <https://pubmed.ncbi.nlm.nih.gov/37862569/>
- Diaphragmatic hernia after left intrapericardial pneumonectomy - <https://pubmed.ncbi.nlm.nih.gov/36423877/>
- Letter to the Editor in Response to: Laparoscopic Repair of Morgagni Hernia in Children - <https://pubmed.ncbi.nlm.nih.gov/37429804/>
- Congenital diaphragmatic hernia: quality improvement using a maximal lung protection strategy and early surgery-improved survival - <https://pubmed.ncbi.nlm.nih.gov/37975943/>
- The role of point-of-care ultrasound in the management of neonates with congenital diaphragmatic hernia - <https://pubmed.ncbi.nlm.nih.gov/37978315/>
- Long-term pulmonary outcome of children with congenital diaphragmatic hernia: functional lung MRI using matrix-pencil decomposition enables side-specific assessment of lung function - <https://pubmed.ncbi.nlm.nih.gov/37982833/>
- Characterization of the congenital diaphragmatic hernia model in C57BL/6J fetal mice: a step toward lineage tracing experiments - <https://pubmed.ncbi.nlm.nih.gov/37981587/>
- The etiology of congenital diaphragmatic hernia: the retinoid hypothesis 20 years later - <https://pubmed.ncbi.nlm.nih.gov/37990078/>
- Risk factors for and developmental relation of delayed oral nutrition in infants with congenital diaphragmatic hernia - <https://pubmed.ncbi.nlm.nih.gov/37991549/>
- Sustained inflation improves initial lung aeration in newborn rabbits with a diaphragmatic hernia - <https://pubmed.ncbi.nlm.nih.gov/37952056/>
- From pollakiuria to Donnai-Barrow syndrome diagnosis in pediatric age - <https://pubmed.ncbi.nlm.nih.gov/37592754/>
- Response to the Letter to the Editor on Our Article Titled “Laparoscopic Repair of Morgagni Hernia in Children” by Okur and Azizoğlu - <https://pubmed.ncbi.nlm.nih.gov/37783611/>
- Anti-inflammatory effects of antenatal administration of stem cell derived extracellular vesicles in the brain of rat fetuses with congenital diaphragmatic hernia - <https://pubmed.ncbi.nlm.nih.gov/37955723/>
- The surgical treatment of Morgagni hernias in adults: a systematic review for the standardization of laparoscopic surgical repair - <https://pubmed.ncbi.nlm.nih.gov/37924436/>
- Update on Management and Outcomes of Congenital Diaphragmatic Hernia - <https://pubmed.ncbi.nlm.nih.gov/37933125/>
- The impact of a care bundle with an emphasis on hemodynamic assessment on the short-term outcomes in neonates with congenital diaphragmatic hernia - <https://pubmed.ncbi.nlm.nih.gov/37935830/>
- Thoracic kidney and diaphragmatic hernia: prenatal diagnosis and successful management. Case report and review of the literature - <https://pubmed.ncbi.nlm.nih.gov/37937910/>
- Incidental finding of Bochdalek hernia in an adult: a case report - <https://pubmed.ncbi.nlm.nih.gov/37850760/>



- Extracorporeal life support in congenital diaphragmatic hernia - <https://pubmed.ncbi.nlm.nih.gov/37939639/>
- Functional lung imaging of 2-year-old children after congenital diaphragmatic hernia repair using dynamic mode decomposition MRI - <https://pubmed.ncbi.nlm.nih.gov/37940710/>
- Human Bocavirus infection in childhood acute respiratory infection: Is it an innocent bystander? - <https://pubmed.ncbi.nlm.nih.gov/37945128/>
- Laparoscopic reconstruction in McKeown esophagectomy is a risk factor for postoperative diaphragmatic hernia - <https://pubmed.ncbi.nlm.nih.gov/37259637/>
- Reduced Long-Term Bowel Obstruction Risk With Minimally Invasive Diaphragmatic Hernia Repair - <https://pubmed.ncbi.nlm.nih.gov/37890273/>
- Maternal diaphragmatic hernia in pregnancy: A systematic review with a treatment algorithm - <https://pubmed.ncbi.nlm.nih.gov/37900237/>
- Novel approach to prenatal predictors of outcomes for fetuses with severe Ebstein anomaly - <https://pubmed.ncbi.nlm.nih.gov/37904503/>
- Unique Cardiopulmonary Interactions in Congenital Diaphragmatic Hernia: Physiology and Therapeutic Implications - <https://pubmed.ncbi.nlm.nih.gov/37907403/>
- The Impact of Comprehensive Fetal Care on Mortality of Children With Congenital Diaphragmatic Hernia when Delivery is Co-located in a Pediatric Hospital - <https://pubmed.ncbi.nlm.nih.gov/37914590/>
- Perinatal Outcome in Congenital Diaphragmatic Hernia (CDH): A Single-Center Experience - <https://pubmed.ncbi.nlm.nih.gov/37916008/>

CONGENITAL DIAPHRAGMATIC HERNIA RESEARCH CDH RESEARCH UPDATES

JASON MILLER, CDHI RESEARCH DEPARTMENT

Congenital Diaphragmatic Hernia (CDH) remains a challenging congenital birth defect, demanding ongoing research efforts for improved understanding and outcomes. Despite advancements in diagnostics and treatment, discrepancies in reported CDH numbers by organizations like CDH International, the National Institutes of Health (NIH), and the National Health Service (NHS) have raised concerns about the accuracy of prevalence and outcome data. This article delves into the current state of CDH research, highlighting these inconsistencies and emphasizing the critical role of the CDH International Natural History database in advancing our comprehension of CDH.

Remarkable progress has been made in CDH research, contributing to enhanced medical care and outcomes. However, the lack of a unified data collection system poses a significant challenge. CDH cases are reported through diverse healthcare networks, resulting in difficulties in maintaining consistency in data. Additionally, the variability in CDH severity further complicates the collection and analysis of data.

In response to these challenges, CDH International has pioneered the Natural History database, a groundbreaking initiative gathering comprehensive data on CDH cases. This database, aggregating information from medical records, patient surveys, and clinical studies, aims to enhance data accuracy, research opportunities, collaboration among stakeholders, and support for clinical trials.

While the CDH International Natural History database is a significant step forward, challenges persist. Standardizing data collection across diverse healthcare institutions remains elusive. Research must also extend beyond infancy and childhood to comprehend the lifelong impact of CDH survivors. Genetic research is pivotal, necessitating exploring factors contributing to CDH for early diagnosis and personalized treatments. Prevention and prenatal diagnosis efforts are critical for identifying risk factors and advancing diagnostic techniques.

Active participation from CDH International members and those touched by CDH is crucial in advancing research. By contributing data and experiences to the CDH International Natural History database, individuals can play a vital role in furthering our understanding of CDH. To update records in the database, an email to research@cdhi.org with relevant information and experiences is encouraged. This collective involvement holds the potential to make a significant difference in combating CDH.

In conclusion, CDH research has witnessed substantial progress, yet there is much work ahead to comprehensively understand and address this complex condition. Discrepancies in reported numbers underscore the need for a unified data collection and analysis approach. The CDH International Natural History database offers a promising solution, but continued collaboration among researchers, healthcare professionals, and organizations is essential to fill the remaining gaps in CDH research. By investing in comprehensive research, standardizing data collection, and exploring genetic factors and prevention strategies, strides can be made toward better diagnosis, treatment, and prevention of Congenital Diaphragmatic Hernia. Active participation in CDH International's database is a tangible way to contribute to these ongoing efforts, fostering hope for a brighter future for those affected by CDH and their families.



CONGENITAL DIAPHRAGMATIC HERNIA RESEARCH

CDH INTERNATIONAL AT WORK

2023 RESEARCH WORK

We are currently working on abstract submissions for GICS 2024 and CDH 2024 International Symposium.

PRESENTATIONS, POSTERS, ABSTRACTS

- **4 Posters submitted for 2024 Conferences**
- **BDRP 2023** (Charleston, SC)
 - "Congenital Diaphragmatic Hernia: Patient Parents As Partners"
- **ICBD 2023** (Santiago, Chile)
 - "Introducing the CDH Patient Registry; A Global Natural History Registry"
 - "27 Year Retrospective on Congenital Diaphragmatic Hernia"
 - "Congenital Diaphragmatic Hernia: Patient Parents As Partners"
- **Rare Fair 2023**
- **24 Hours of Rare**
- **CDH Telethon**



View all of our published research at
<https://orcid.org/0000-0002-5211-4005>

COLLABORATIONS

- CDH International Signs Letter of Support for National Institutes of Children's Health and Diseases Fiscal (NICHD) Year Appropriations.
- CDH International Signs On To Support the World Health Assembly Food Fortification Resolution
- CDH International Signs Letter of Support for DHREAMS research project
- CDH International Signs Letter of Support for ZANI Lab research project
- CDH International Signs Letter of Support for March of Dime's ECHO program funding request
- CDH International UK Signs Support Letter to Prime Minister on Behalf of Small Charities in the United Kingdom
- NFRFT Research Project
- The Gabriella Miller Kids First Pediatric Research Program at NICHD
- Global Research Alliance for Congenital Anomalies (GRACA)
- 5 ongoing CDH Research Registry collaborations with various labs and universities

CDH International Medical Advisory Board

- N. Scott Adzick, MD – Children's Hospital of Philadelphia
- Kristin Aigner, RN – OSF, Peoria. MAB member and CDHi UK Board
- Badr Chaban, MD - Royal College of Paediatrics and Child Health, London, UK
- Priscilla Chui, MD – Toronto Sick Kids Hospital
- Wendy Chung, MD – Columbia University
- Jan Deprest, MD, PhD - University Hospital Gasthuisberg, Leuven, Belgium
- Patricia Donahue, MD – Massachusetts General Hospital
- Mahmud El Fiky, MD – Faculty of Medicine, Cairo University, Egypt
- Florian Friedmacher, MD – NHS, Oxford, UK
- Matthew Harting, MD, MS - University of Texas Medical School at Houston
- Michael R. Harrison, MD – University of California, San Francisco Fetal Treatment Center
- Tim Jancelewicz, MD MA MS FAAP FACS - Le Bonheur Children's Hospital at Memphis
- Gabriel Kardon, MS - University of Utah
- Richard Keijzer, MD, PhD, MSc - University of Manitoba and Children's Research Institute of Manitoba
- Steadman McPeters, RN – Huntsville Alabama, Pediatric Surgery Nurse Clinician, CDH Survivor
- Doug Miniati, MD – University of California, San Francisco
- Giovanna Ricciperitoni, MD - Vittorio Buzzi Hospital, Milan, Italy
- Henry Rice, MD – Duke University Medical Center
- Dick Tibboel, MD, PhD - Erasmus University MC, Sophia Children's Hospital, Netherlands
- Jay Wilson, MD - University of Texas Medical Children at Houston, CDH Study Group
- Naomi, Wright, MD – Global Initiative in Pediatric Surgery, Oxford, UK
- Edmund Yang, MD – Peace Health, Springfield, OR
- August Zani, MD - Toronto Sick Kids Hospital, Zani Lab



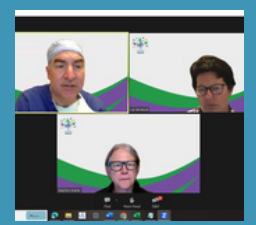
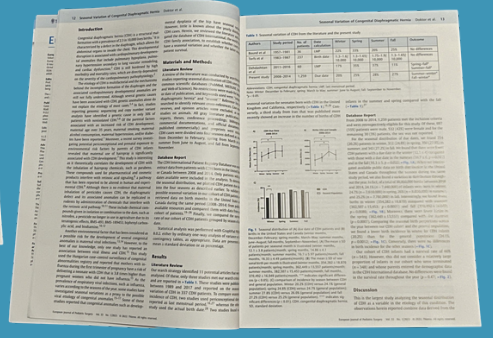
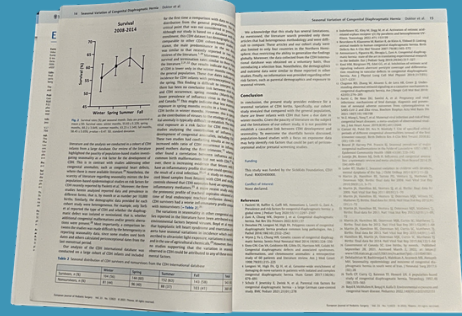
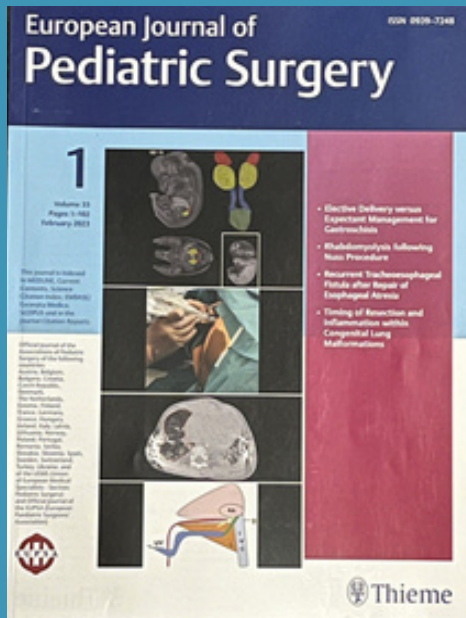
CONGENITAL DIAPHRAGMATIC HERNIA RESEARCH CDH INTERNATIONAL AT WORK

MEETINGS & MEDICAL CONFERENCES

- United Nations Global Health Summit
- International Clearinghouse for Birth Defects Surveillance and Research (ICBDSR)
- European Pediatric Surgery Association (EUPSA)
- Global Initiative for Children's Surgery (GICS) Committees (2)
- Friends of the National Institute of Children's and Diseases (NICHD)
- Society for Birth Defects Research & Prevention (BDRP)
- Rare Diseases International
- Global Research Alliance for Congenital Anomalies (GRACA)
- 2 Meetings with Members of the World Health Organization (WHO)
- European World Orphan Drug Congress
- The Rare Fair
- CDH Telethon
- MGRU
- International Conference on Prenatal Diagnosis and Therapy
- KidsFirst Database at NIH
- Wakefield Rotary Club
- 24 Hours of Rare
- NFRFT Research
- G4 Alliance



This list does not include dozens of one-on-one meetings with individual institutions, researchers, and other organizations.



CONGENITAL DIAPHRAGMATIC HERNIA RESEARCH

CDH RESEARCH UPDATES

CDH International Signs On To IRA Community Letter to Congress

Along with the Every Life Foundation, the National Organization of Rare Disorders and over 150 patient organizations, CDH International has signed on our support of research funding in the Congressional Inflation Reduction Act (IRA),

Please visit <https://cdhi.org/cdh-international-signs-on-to-ira-community-letter-to-congress/> to view the version being sent to congressional leadership, as well as additional information.

December 1, 2023

The Honorable Chuck Schumer
Majority Leader
U.S. Senate
322 Hart Senate Office Building
Washington, D.C. 20510

The Honorable Ron Wyden
Chairman
United States Senate Committee on Finance
221 Dirksen Senate Office Building
Washington, DC 20510

The Honorable Michael Johnson
Speaker
U.S. House of Representatives
H-232, the Capitol
Washington, DC 20515

The Honorable Cathy McMorris Rodgers
Chair
House Committee on Energy and Commerce
2125 Rayburn House Office Building
Washington, DC 20515

The Honorable Jason Smith
Chairman
House Committee on Ways and Means
1139 Longworth House Office Building
Washington, DC 20515

The Honorable Mitch McConnell
Minority Leader
U.S. Senate
317 Russell Senate Office Building
Washington, DC 20510

The Honorable Mike Crapo
Ranking Member
United States Senate Committee on Finance
239 Dirksen Senate Office Building
Washington, D.C. 20510

The Honorable Hakeem Jeffries
Democratic Leader
U.S. House of Representatives
H-204, the Capitol
Washington, DC 20515

The Honorable Frank Pallone, Jr.
Ranking Member
House Committee on Energy and Commerce
2322A Rayburn House Office Building
Washington, DC 20515

The Honorable Richard Neal
Ranking Member
House Committee on Ways and Means
1129 Longworth House Office Building
Washington, DC 20515

The 170 undersigned organizations representing patients, families, and the rare disease community thank you for your continued commitment to policies promoting the health and well-being of the more than 30 million Americans living with a rare disease. As Congress considers further action to strengthen our health care system, we urge you to address two technical changes to the Inflation Reduction Act that will help preserve the hope of the 95% of rare disease communities without disease-specific FDA approved treatment options¹, yet will not change the number of approved indications a product can have before becoming eligible for Medicare negotiation.

The Inflation Reduction Act of 2022 (IRA) enabled the Centers for Medicare & Medicaid Services (CMS) to negotiate the price of some prescription drugs. For too many Americans living with rare diseases, out-

¹ Fernaglich JL, Miller KL. A comprehensive study of the rare diseases and conditions targeted by orphan drug designations and approvals over the forty years of the Orphan Drug Act. 2023;18(1). doi.org/10.1186/113023-023-02790

of-pocket prescription drug costs create significant financial barriers to access. Our organizations strongly support key IRA provisions such as the \$2,000 out-of-pocket spending cap and the ability to spread out monthly out-of-pocket costs for Medicare Part D starting in 2025. These aspects of the IRA will ensure that more rare disease patients with Medicare coverage will be able to afford the life-altering therapies they need.

However, our optimism is balanced with the reality that most rare disease patients are still in urgent need of new and better therapies to treat the devastating effects of their rare disease. Over the last 40 years, starting with the passage of the Orphan Drug Act, Congressional leaders and Administrations have consistently worked to encourage more research and development into rare disease treatments. In continuing to recognize the unique needs of the rare disease community, the IRA's Medicare Drug Price Negotiation Program (MDPNP) includes a narrow exclusion for some rare disease therapies. Unfortunately, confusing legislative language inadvertently disincentivizes rare disease research, putting the progress made because of the orphan drug incentives that so effectively spurred rare disease drug development over the last four decades at risk.

Specifically, our organizations urge you to consider the following two technical fixes to the IRA's orphan drug exclusion to ensure appropriate continued investment in the research and development necessary to address the vast unmet medical need of the rare disease community:

- 1) **Clarify that the number of orphan designations FDA grants a product has no effect on its eligibility for the IRA's orphan drug exclusion.**

Under current law, orphan drugs with only one orphan designation AND one approved indication (or multiple approved indications all tied to the same rare disease designation) are excluded from MDPNP eligibility. However, as soon as the drug is designated for a second disease, even without any associated FDA approved indications, it will lose its negotiation exclusion.

The current IRA statute fails to recognize the critical difference between designations, which only unlock R&D incentives, and approved indications, which allow for an orphan drug to enter the market. Orphan drug designations typically happen early in the clinical research process, based on data from animal models or very early clinical studies; the purpose is to unlock R&D incentives established by the ODA, NOT to obtain FDA's approval to market a drug. FDA approval for a specific indication occurs much later, after the product has been extensively studied in clinical trials and shown to be safe and effective for that specific condition and/or patient population. Many drugs fall in the R&D stage and granting a product an orphan drug designation does NOT mean a drug will ultimately be approved to treat the associated orphan indications. In fact, to date, there have been more than 6500 orphan designations made by the FDA, but only approximately 1160 FDA approved indications for orphan products.²

Congress clarify that the number of orphan designations granted to a product has no effect on its eligibility for the IRA's orphan drug exclusion. This will help encourage much-needed continued research and development into rare diseases, most of which do not have any FDA approved therapies.

² FDA Orphan Drug Designations and Approvals Database. <https://www.accessdata.fda.gov/scripts/opdlisting/lopd/>

- 2) **Maintain the purpose of the orphan drug exclusion by clarifying an orphan product becomes negotiation-eligible 7 or 11 years after it loses that exclusion.**

To account for the need of drug sponsors to recoup R&D costs, products that otherwise meet the criteria for the MDPNP are not negotiated until they have been on the market for 7 or 11 years - for small molecule drugs or biologics, respectively. Yet, under current law, a similar time is not granted for orphan drugs that lose eligibility for the orphan drug exclusion. Once the orphan drug loses its eligibility, it is immediately negotiation eligible seven or eleven years after the product's very first approval, as if the exclusion never happened. This is true even if the orphan drug loses eligibility for the exclusion many years after the first approval. In fact, a recent article published in JAMA found that on average it takes 4.5 years for a novel orphan drug to obtain a second approved indication.³ This significantly magnifies existing disincentives to further develop an orphan drug to treat additional rare diseases.

Congress clarify that a previously excluded product will become negotiation-eligible 7 to 11 years after initial eligibility for the orphan drug exemption (rather than from the very first approval), otherwise manufacturers will have essentially no incentive to pursue continued research and clinical trials to treat additional rare diseases.

To continue long-standing efforts to develop safe and effective therapies to treat the millions of Americans living with rare diseases, our patient organizations urge Congress to support these two technical corrections to the IRA. The proposed changes do not fundamentally alter the intent of the IRA's orphan drug exclusion, but instead serve to reinforce the decades long commitment Congress has made to ensuring everyone has an opportunity for a safe and effective therapy, regardless of the rarity of their condition.

For more information, please contact:

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National Organization for Rare Disorders
khoelzer@rare-diseases.org

Jamie Sullivan, MPH
Senior Director of Policy
EveryLife Foundation for Rare Diseases
jsullivan@everylifefoundation.org

Sincerely,

EveryLife Foundation for Rare Diseases
National Organization for Rare Disorders
ALS Association
American Cancer Society Cancer Action Network
Friedreich's Ataxia Research Alliance
Leukemia & Lymphoma Society
National Health Council
A Twist of Fate-ATS
Abetalipoproteinemia & Related Disorders Foundation
ACTA2 Alliance

³ JAMA Network Open. 2023;6(8):e2329006. doi:10.1001/jamanetworkopen.2023.29006 (8)

CONGENITAL DIAPHRAGMATIC HERNIA RESEARCH

CDH RESEARCH UPDATES

CDH International Attends the 2023 World Orphan Drug Congress in Barcelona

We are pleased to announce that CDH International participated in the 2023 WODC Congress in Barcelona, Spain this year as the recipient of a scholarship awarded to our President, Dawn Ireland, by Rare Diseases International (RDI).

RDI is an organization that CDH International has been a member of for several years that brings together leaders of global rare disease nonprofits to collaborate on global health issues and to work with the United Nations, World Health Organization and other entities to procure better healthcare and awareness for all those who suffer from rare diseases.

The WODC is a large event that brings together all stakeholders in Rare Disease; patient groups, patient advocates, pharma, biotech, and research. New collaborations are made and new products and/or drugs are introduced.

It was wonderful to catch up with Rare Revolution Magazine and the leaders of many other Rare Disease organizations, as well as members of industry who were also in attendance.



CONGENITAL DIAPHRAGMATIC HERNIA RESEARCH

CDH RESEARCH UPDATES

CDH International Attends the 2023 Meeting and Scientific Session of the International Clearinghouse for Birth Defects Surveillance and Research

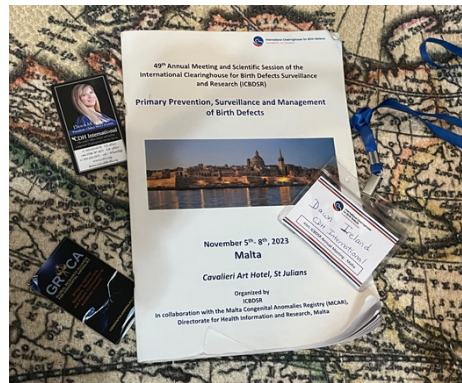
CDHi President, Dawn Ireland, attended the Meeting and Scientific Session of the ICBDSR in October in Malta.

Epidemiology is just as important as Genetics and Pediatric Surgery if we are ever going to find the cause of Congenital Diaphragmatic Hernia. In fact, it was an epidemiological study of CDH by Claudine Torfs that was the inspiration and basis of the first natural history study of CDH that was created by CDH International in 1997.

CHERUBS was created to support patient families and it did so for over 25 years, and continue to do so. 1000's of families found information and support at our organization. There are dozens of other charities and groups now that support families also.

But CDH International was founded to stop Congenital Diaphragmatic Hernia so that there will someday be no new patient families to support.

This is a job that we take very seriously because lives really do depend on what we do.



CDH INTERNATIONAL

REMINDER: CALLING ALL ADULT, FEMALE CDH SURVIVORS

We hope this finds you in good health and high spirits. As valued members of CDH International, we are excited to announce a significant research initiative in collaboration with Dr. Benachi aimed at enhancing the understanding of child-bearing CDH patients' experiences during pregnancy and providing valuable insights to their OBGYN doctors.

You are cordially invited to participate in the "Adult Patient Pregnancy Questionnaire," a crucial survey designed to gather essential information about women who are CDH patients and of childbearing age. We want to clarify that participation is open to all eligible CDH patients, regardless of whether they have had children or are planning to have children in the future. By participating in this survey, you will be making a meaningful contribution to improving the care and support for CDH patients during their pregnancy journey.

Before you can partake in the "Adult Patient Pregnancy Questionnaire," it is mandatory to have completed CDH International's Natural History Questionnaire. This questionnaire serves as a foundational study that lays the groundwork for a comprehensive understanding of CDH and its implications for patients.

If you have already completed the Natural History Questionnaire, we extend our sincere gratitude for your contribution to our research. If you haven't done so yet, we kindly request you to take a moment to fill it out by visiting [Insert link to the Natural History Questionnaire] before proceeding with the Adult Patient Pregnancy Questionnaire.

The Adult Patient Pregnancy Questionnaire delves into various aspects of your experiences as a child-bearing CDH patient. Your responses will be entirely confidential, and the collective data will assist Dr. Benachi and our research team in developing crucial insights that will:

1. Help child-bearing CDH patients understand what to expect during pregnancy.
2. Provide OBGYN doctors with valuable guidelines on how to best handle CDH patients during pregnancy and childbirth.

We want to emphasize that whether you have already had children, are planning to have children in the future, or have no plans for childbirth, your experiences and perspectives are highly valuable to us.

We genuinely value the opinions and experiences of each participant, as it is the collective voice of the CDH community that drives us toward better outcomes and improved care. Your input can make a significant difference in the lives of countless CDH patients and their families.

We understand the value of your time, and as a token of our appreciation, all participants will be entered into a drawing to win a [Insert prize details] as a gesture of our gratitude for your support.

Should you have any questions or encounter any issues during the questionnaire process, please do not hesitate to reach out to us at [Insert contact email/phone number]. We are here to assist you in any way we can.

Thank you for being an essential part of our CDH community and for your commitment to advancing research that better the lives of CDH patients and their families. Together, we can make a real impact!



DONATE AT
WWW.CDHI.ORG/DONATE

GRACA

GLOBAL RESEARCH ALLIANCE FOR CONGENITAL ANOMALIES

The Global Research Alliance for Congenital Anomalies (GRACA) was founded on the advice of the World Health Organization to bring together like Congenital Anomalies to create global Standards of Care and Standards of Measurements and Mortality for millions of patients with similar medical issues.

Lead by CDH International, GRACA was created with co-founding organization, the Global Gastroschisis Foundation in 2020. The pandemic put plans on hold but now alliance is moving full-steam ahead.

CDH International is the Fiscal Sponsor of GRACA, supplying patient registries and training to other patient communities and working as liaison to medical associations and government entities.

Current Goals:

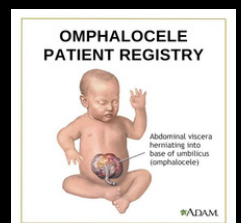
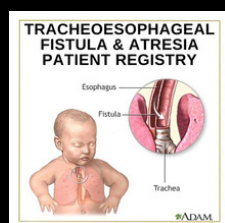
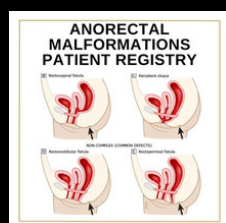
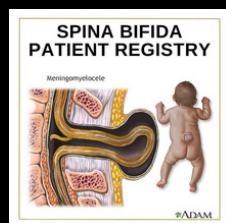
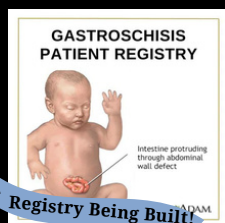
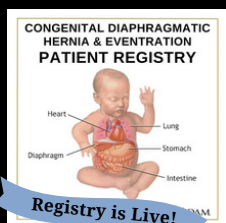
1. Transform the old CDH Forums to add the other patient communities.
 - a. Giving other patient families a non-social media platform to communicate
 - b. Used as a springboard to onboard patients onto registries
 - c. Each patient community will have it's own set of admins & moderators. CDH International is just the hosting entity.
2. Use the skeleton of the CDH Patient Registry (patient data removed) to create Natural History Registries for each of the other patient groups, none of which currently have patient registries.
 - a. Registries are free to the other communities, with 10 training hours after set up
 - b. WOFAPS is hosting the data, CDH International is building the registries
 - c. Each patient community will have 1 organization that will admin their Patient Registry.
 - d. All data is owned by individual patients. Not GRACA, CDH International, or any organization.
 - e. All patient data is de-identified.
 - f. All registries are HIPAA & GDPR Compliant
3. Collect data to work all of the other GRACA members and researchers to create a minimal Standard of Care for Congenital Anomalies
4. Use the registries to work with other registries to advance research as quickly as possible.
 - a. Communities will be able to use their registries to collaborate on research projects with universities, labs and other registries
 - b. Registries will be compatible with NIH, NHS and ERN governmental registries

There are several other large goals that are not public yet.

As you can imagine, this is a massive undertaking but one that will undoubtedly help to save the lives of millions of children. At this time, we are looking for corporate and government sponsors to help cover the costs these registries for all the patient communities; to build them, secure them, train teams and recruit patients to participate.

The Patient Communities

10 Congenital Anomalies were chosen based on the fact that they are formed around the same time of gestation, are all mid-line defects and are all surgically correctable. The first 6 Patient Registries will include the following Congenital Anomalies:



The remaining 4 will be added as soon as funding and time allows:

- Cleft Palate
- Hirschsprung's Disease
- Congenital Hiatal Hernia
- Intestinal Atresia

"Faith sees the invisible, believes the unbelievable, and receives the impossible."

- Corrie Ten Boom



CDH AWARENESS UPDATES

MELLISSA REAVES, CDHI AWARENESS DEPARTMENT

It's Christmas time here at CDH International. This is a time of year where the Christmas lights and presents should bring everyone holiday cheer. We understand not everyone feels the same. Some have loved ones who's stocking will be empty and no present will be under the tree. Some are grieving the loss of a child who won't get to experience family traditions. The holidays are just simply not the same. This holiday season we have ways to try and help with the grief and to share awareness for our little ones. We have our awareness shop where you can purchase items to raise awareness and hopefully give you a little comfort in knowing that your little ones matter and should be remembered. We will have our snow flakes that family and friends can purchase to have one by your little ones name. This holiday season, ask friends and family if they would like to help you keep their little memory alive. Whether it be buying a snowflake or other shop item, making a special ornament to go on the tree, or just simply sharing stories of your little one no matter how long or how short.

At this time the awareness team is continuously working to raise awareness come April by asking buildings and landmarks to light up for our little ones. You can request a light up in your town or state if you know of a building or landmark that would be willing to participate. If you would like help in doing so, please reach out to the team and let us know of the landmark or building and we will send in a request.

We hope everyone can have a magical holiday and find peace.



What Patient Families Are Saying About CDH International (formerly "CHERUBS")

LEAVE YOUR REVIEW AT [HTTPS://GREATNONPROFITS.ORG/ORG/CDH-INTERNATIONAL](https://greatnonprofits.org/org/cdh-international)



"Almost 13 years ago my husband and I heard the words Congenital Diaphragmatic Hernia for the first time. Our son was not even an hour old and our world had been turned upside down. Thankfully I found CHERUBS and had hope. Dawn and all of the volunteers have been there for us from day one. You become family and you know there is always someone you can talk to and them listen because they know what you're going through. I'm so grateful for Dawn and our CHERUBS family!!!!"

Milinda Estes F. ★★★★★
Member, Volunteer, mom to CDH Survivor, Bryer
08/02/2019

"It has been over 16 years since I lost my baby girl to CDH. The greatest thing is this organization is pushing forward. I raise awareness to total strangers and hope that they will remember who and what CDH is. I will always be grateful for everything that CDH did for me".

Jessica J. ★★★★★
Member, Donor 10/11/2023



"By far, the most knowledgeable group, interested purely in the children's health and the families of those children. Reaching out to, literally thousands of parents- prenatal, survivors and angels, giving information and guidance so the parent can make informed decisions".

Heidi Cadwell ★★★★★
Member, Former Volunteer, mom to CDH survivor, Tanina
05/25/2021

"20 years ago we were faced with trying to learn as much as we could about CDH as we brought our son home after surgery and with a feeding tube. Had it not been for the Cherubs/CDHI charity, I dont know where we would have turned. We felt as though our Doctors were learning about CDH as we were. 20 years later we attended our first CDH conference and feel so grateful to be a part this incredible charity full of families that have faced such difficult challenges and loss."

Wendy B. ★★★★★
Member, Volunteer 08/01/2019

"Such an amazing organization! CDH is all about the babies and families, dedicated to making progress and save lives. The research and programs are patient centric, led by stellar volunteers and advocates. The passion is real!"

Shannon Burkoth ★★★★★
Member of the General Public, Donor 09/02/2020

"My son is a survivor of CDH. He will turn 40 in a few days. Back when he was born, we had never heard about CDH until the day he was born. We got very little information and were terrified new parents. Since being a part of CHERUBS, we have learned so much about this condition. I cannot thank Dawn enough for all of her hard work and dedication. This wonderful group has given parents like myself who were basically clueless, information, support, resources and a place to share with others who had never even heard of CDH. It has been a blessing to parents, siblings and extended family as they navigate their way through their own personal journey with CDH."

Gail H. ★★★★★
Member, Donor 10/11/2023

"CDH international is a wonderful charity run by the most dedicated people. My 13yo has been involved since birth. Dawn and everyone have been a wealth of knowledge tirelessly advocating to advance the treatment of CDH. As a pediatric medical provider, I am so thankful for all they do participating in research, providing families with up to date treatment. Truly the best charity."

Jennifer M. ★★★★★
Medical Expert, Member 10/11/2023

★★★★★





"CDH International was the first charity to reach out to us when we got our daughters diagnosis. They supported us the entire way from pregnancy, and even now she is almost 3 years old. I don't know where my family would be without their support, information and resources! Thank you, CDHi!!"

Shelby G.
Member, Volunteer, mom to CDH Survivor, Reagan
10/11/2023



"CDHI has been there for my family since the day of my son's diagnosis. They are always reaching out and offering guidance and support. I absolutely love that they constantly share prayer requests and keep the public up to date on the current struggling families."

Sarah D.
Member 09/01/2020



"They were there to help support our family through the diagnosis and treatment of our youngest son. With out their support we would have been very lost!"

Katie R.
Member 09/01/2020



"This is a great non-profit with a wonderful vision."

Shel J.
Volunteer 09/13/2022



"This charity has only and will continue to put the children first, I love volunteering/working here."

Claymont
Volunteer 09/12/2022



"When it felt like nothing could go right for my pregnancy, this organization helped me stay sane & provided an abundance of information that couldn't be found elsewhere. My Ainsleigh was diagnosed at our 20 week ultrasound; in the chaos that followed, I was referred to a mfm in NC for further diagnosis and prognosis. It wasn't good news. Left side CDH with about a 5% chance of survival. I was offered termination 4 times her situation was so dire in utero, per the dr. But CDH international gave logical answers to questions not just percentage guesses. They gave hope instead of extreme choices. I was thankful for calming voices during that time, as our medical team was not very optimistic. For a baby that was only supposed to live 5 minutes after birth, she made it 36 days before medical incompetence cost us her life. CDH international never stopped being there for us, even now 8 years of being an angel mommy. Their group of warrior parents stand fast by all who come to their front. My gratitude can never be enough to this group of caring, helpful, hopeful, inspiring individuals."

Ainsleigh's Mom
Member, 07/23/2023



"I have been a member since before it hit international. I have done interviews, events and hospital angel. My son has a RCDH and 4x repair. Keith is a miracle. Dawn and CDH International are amazing!"

A.C. Hunt
Member 10/11/2023



"Very tight knit group. Founder still runs the charity and is very easy to reach. Not much is known about CDH, but we are learning more with every effort this charity makes to further our understanding of this condition. Truly a grassroots charity that continues growing 25 years after its founding."

As an adult with CDH, I have benefited from this charity by meeting others with the condition, having opportunities to participate in research that aims to further our understanding of CDH, and using my experiences to help others going through similar experiences.

If you are looking for a charity to support, this should be on your list. Your contributions will not go to waste. Maybe you will save a life!"

M.J. Carroll
Member 09/01/2020



"CDHi is hands down the most efficiently run non-profit in existence. Everything done, every decision made, every dollar spent is with the babies and families in mind.."

Trisha M.
Member 09/01/2020





"Was born with severe left CDH back in July 1993, never was told by parents about my birth defect, I was aware of my 2 scars at a young age think ecmo one little more on neck, then few more issues had that are common for cdh kiddos. Final cdh repair was 13 years old, February 2007. I found CDH cherubs to now cdh international in 2016 at the age of 23, around 24th birthday. Used my baby book as the hints then family albums few I never seen before 5-6 month old me second cdh repair after pneumonia then RSV. This page community has helped me connect final pieces of CDH/ PH, over time I've helped fellow families and if there little ones get PH again like myself I help direct them to PH community not just cdh community ❤️"



Morgan
Member, Volunteer, CDH Survivor 08/02/2019

"They are amazing when we found out that our son had CDH they sent us all the information about CDH we needed to know."

Miriam D.
Member, 08/01/2019



"As a CDH survivor family, we have a tremendous amount of gratitude for the chance at life with our girl. CDH International has helped us to feel like we are of some use in the fight against CDH. Maybe one day, no child will have to suffer with the effects of this birth defect. If that's ever the case, it will be largely due to the charity's efforts all these years."



Shereen K.
Member, Volunteer, mom to CDH survivor, Micaela. 07/19/2023

"Full of information pertaining to all aspects of CDH as well as forums and groups for parents to meet other parents in the same situation. Active, concerned, and available pretty much 24/7 so no one ever feels out there by themselves if they have a question or issue or need a prayer chain started or want to share a first day of school or graduation photo."

Sherri S.
Member, Volunteer 08/01/2019

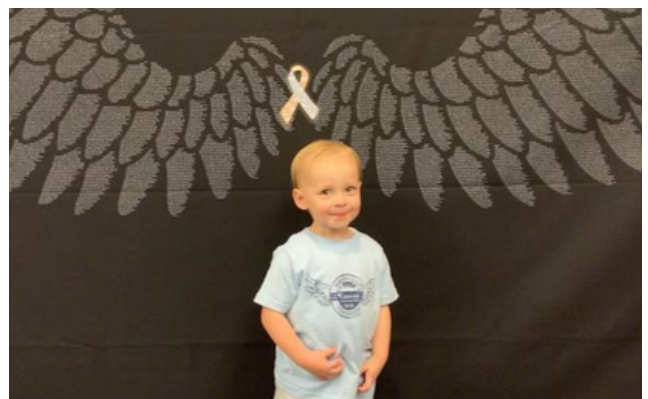


"My son Leonidas had severe left sided cdh . The hospital wasn't very informative initially when he was diagnosed at 20 and that's where we found cdh international.

Without them we wouldn't have learnt knowledge to help on our journey. Hearing people's stories and talking to people with knowledge and information really helped us .

Thank you cdh international for everything."

G. Pegasiou
Member 07/19/2023



"We were told to terminate our baby boy. That we needed to think of his quality of life or lack of. At 20 weeks pregnant those were the words a medical doctor sat at her desk and said to my husband and I. We walked out of her office and never looked back. She'd given up on our baby and we weren't willing to. I immediately took to the Internet and found CHERubs. FINALLY people that got it, had lived it and a community of people that become family. The work that Dawn and all of the volunteers put in for the sake of our babies is truly amazing. This journey isn't always easy however it's a little easier knowing you always have someone in your corner that completely understands. My family, especially Aiden who is now 2 1/2 is eternally grateful for CDHI and CHERubs!"

Lindsey G.
Member 08/01/2019



"CDHI has been amazing for not only myself, but so many families! After I came home from having my CDHer, we recieved a care package from CDHI filled with so many goodies... it was so nice to have a community supporting us as we went through such a difficult time in our lives!! This organization is also my go to for any and all info I need regarding CDH, because I know all things on their site are facts and comes with data."

Sara O.
Member, 08/01/2019





"CDH International has been my saving grace. When my world came crashing down they were right there to pick me back up. The community that they have provided is unprecedented. I cannot thank Dawn and ever other member of the CDH International team for everything they have done for the CDH community!"



Mary Kate B.

Member, Former Volunteer, 08/01/2019



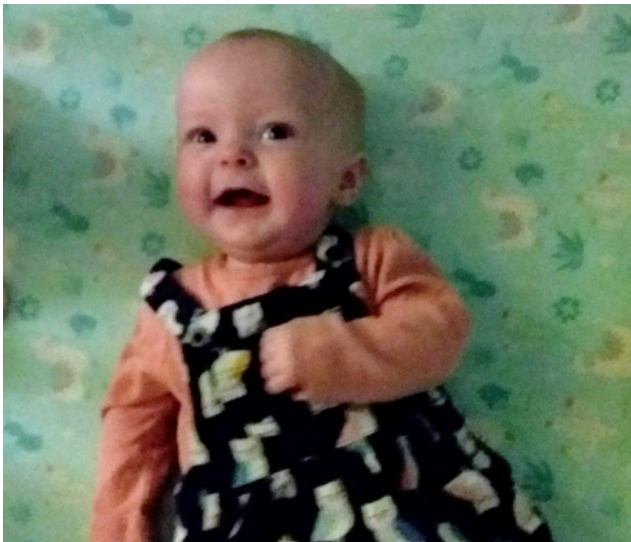
"CDH International has helped us through our hardest days in PICU. There was always someone to lean and listen when I needed them.

Volunteering at CDH International has helped us make a lot of new friendships and meet so many CDH families, at Charity events. I am very thankful to have found CDH International and for all the amazing volunteers they have.."



Amanda P.

Member, Volunteer 10/02/2022



"My daughter was born with CDH 8 years ago. She was diagnosed at my 20 week ultra sound and without having these non profit groups to give us the correct info on her diagnosis and the support we have received from them and other families we would have been so lost. We are all so appreciative & grateful to have them!"



MaKayla A.

Member 08/01/2019

"The emotional support and world wide family that's been created has been the utmost importance to our family. To know that we're not doing this journey alone. To be brought together with others. To know that there's research being done to support families. To try and save the babies."



Bobbi T.

General Member of the Public 10/28/2018

"My first experience with CDH International was after our Daughter, Juniper died from complications of an undiagnosed, left-sided Congenital Diaphragmatic Hernia. She was only 5 months old and we didn't know what CDH was.

CDH International helped me understand what CDH even was, and has given me a place for some of the grief. I learned how rare it is for CDH to go undiagnosed, but also learned we were not alone. It's sad to know other families know this grief, but also comforting to know we are not alone. CDH International makes connections like this possible.

CDH International remembers Juniper on special days. They say her name, share her photo and help being awareness. I'm so very grateful for this.

I started Volunteering for CDH International because I noticed how much they care, how much they help the families, and I noticed how important their role is in research and awareness.

My Daughter went undiagnosed until her autopsy so research and awareness are very important to me. It's important so we can help other families who endure a Congenital Diaphragmatic Hernia. These big-little warriors and their families deserve a chance, they deserve hope and survival.

CDH International is vital to the future of Congenital Diaphragmatic Hernias.

I'm incredibly grateful I found CDH International. I support their mission and their global fight against Congenital Diaphragmatic Hernia.

Thank you CDH International, for all you do!"



Jennifer D.

Member, Volunteer, 09/23/2022





"My Lcdh baby girl, Lyric Reign, will be 2 years old in Nov. She spent 5 months in the Nicu, a year and a half on oxygen support even at home, and going from 10+ specialist down to maybe 1! She is truly a miracle and if it wasn't for CHERUBS I would've never been educated on CDH and receiving their support helped me fight this journey with my baby girl. ♥!"



Renci S.
Member, Volunteer 10/28/2018



"Words cannot express how much I love CDH International. Instead of receiving precious 3-D images of our daughter we received the terrifying news that she had CDH. Having this charity to turn to during the one of the hardest moments of my life made a terrifying situation a little more bearable. Knowing that I wasn't alone gave me hope for a future for my daughter. I am forever grateful for CDH International for all of the love, support and hope through a very, very dark time."



Becca H.
Member, Former Volunteer 05/25/2021



"Thank you CDHi for being such a wonderful, outstanding organization that has loved, supported, educated and continue to share news with all families that have been touched by CDH. Back in 2016 when we first heard our Granddaughter had a LCDH at her 20 week anatomy ultrasound...I went searching and found then Cherbs, which is now CDHi. It gave us HOPE in a very scary time! We are blessed to have a thriving 5 year old CDH Warrior that is a true living miracle!."



Denise C.
Member, 05/25/2021

"Having a child with a birth defect plus many complications means that I have had experience with several different non profits over the years. There are NONE in my opinion that ever met the standards set by CDH International. Not only are the staff and volunteers at CDH I caring, compassionate, and knowledgeable, but the services provided, the awareness, research, and so much more are stellar. For a charity with such a small budget, they go above and beyond to help, making sure to use a minimal amount on overhead so as much money raised as possible goes where it really matters. From an app for families, doctors and hospitals, to volunteers all over the world, speakers and representation at numerous conferences, an annual telethon and when possible a CDH conference, supporting research, so much is done with nothing more than families and children at the heart. I wish I could give CDH International more than 5 stars, because they have surely earned it."



Heidi F.
Member, Former Volunteer, 05/25/2021

"2 of my 3 children were born with CDH, Cherubs has been a great place for me to find support, information and just talk with others who have been through what we have. They do amazing things to help educate people on CDH and families affected by it."



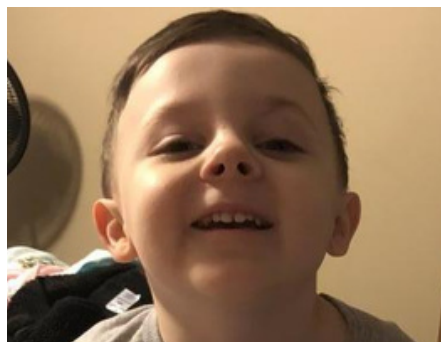
Deann C.
Member, Volunteer 04/04/2013



"My son was born with lcdh, thanks to organizations like this, my son is here and not terminated inutero like originally encouraged! ♥"



Shayla A.
Member 10/28/2018



"Our LCDH survivor is 3 now. Cherubs helped so much after finding out that our son would be born with CDH. There is so much compassion and understanding from them, they made me feel not so lonely and that there was hope."



Becca H.
Member, Former Volunteer 05/25/2021

"I am a NICU nurse and I go to the SDU for deliveries of CDH, I also follow them thru out their hospital stay, because I am on the Surgical team. To see a organization that help parents have support beyond the hospital and that understand life after having CHD enter into their lives. Priceless memories about courageous people ♥"



Denise
Medical Professional 03/04/2017

"There was no CHERUBS when my daughter was born in 1986. We found CHERUBS a few years ago when I was researching adults with CDH. This is when I found CHERUBS. We have learned more since finding other families through CHERUBS than adult family practice doctors ever knew. Thank you all!!!! Love our CHERUBS!!!"



Lisa C
Member, Former Volunteer 09/04/2014





"As a CDH survivor, I went the first 36 years of my life thinking I was an anomaly. Then I found CHERUBS. Now, eight years later I have met other survivors and grieving families who have become like family to me. Some of my best friends now are ones I met through CHERUBS. Now, at a volunteer, I have the chance to give back and give hope."



Lizz G.
Member, Former Volunteer, 03/04/2017



"December 29, 1992 my son Preston was born with CDH. Jan 1993 I met a couple in the waiting room with their son, Shane, also a CDH newborn. We shared many triumphs and disappointments together. We also shared the inability to research or find any answers of our own. Just a paragraph or two in a very large book written in a way very hard to understand. When my son Preston passed, I had no answers or understanding or support from others. Because of Dawn and her heart for others to be informed, supported and not be alone, Cherubs came to be. I have been there since the birth of this charity. I have seen the heart behind its growth and love. The ups and downs, the fighting for each and every CDH family. Cherubs is what true charities are and should be about. Dawn Ireland has displayed the most incredible dedication I have ever seen in anyone. Cherubs, our sons lives, will live on past our own. Helping others to live their's."



Rhonda M.
Member, Co-Founder, Volunteer 03/04/2017

"This charity was my first contact after learning my daughter had CDH. This charity is the backbone for support for families both caring for a survivor and those grieving the loss of a child."

Anonymous
Member 10/11/2023



"Wonderful nonprofit charity. They were extremely helpful in supporting affected family and creating awareness!!."

Anonymous
Member 04/30/2016



"Our son was diagnosed with CDH in 2001. Our high risk pregnancy specialist told us to go to the CHERUBS website for "anything CDH related." They will have the most up to date and accurate information." CHERUBS was our guiding light from day 1 and still are. We have connected with families on a personal level because of CHERUBS. We have participated in research studies and felt endless support from the charity. Our lives were forever changed for the better because of CHERUBS and it continues! What a blessing! We have a 13 year old survivor of CDH and we are so grateful for all the love, support and guidance we have had through our CDH journey."



Hope C.
Member, Former Volunteer 04/20/2015

**** Editor's Note; Tyler is all grown up and just got married!*

"The best charity I could have ever come across after my sons diagnosis. They were there before birth, during his life, and after his death. The President, Dawn Torrence and VP, Ashley Berry took the time to meet my son too. I owe them more than I can say!"



CJ's Mommy
Member 04/20/2015

"When my grandson was born with cdh we were lost. CHERUBS stepped up with information and care that was amazing. It's been 8 years now and we still never feel alone. Their state reps and anyone in the organization is always there to help. We've never felt like we were unwanted or an inconvenience. We've only had wonderful interactions with everyone. Still today we are so impressed with them that we do every thing we can to bring awareness not only to the birth defect but to the organization."

Brennen's Grandma
Member 04/20/2015



"I am a former Neo-natal Respiratory Therapist. Congenital Diaphragmatic Hernia babies scared even the most experienced practitioner half to death. So just now imagine a bundle of joy you have waited on for 9 months has arrived to the world and your bundle of joy is your worst nightmare realized. Cherubs helps those parents become educated, provides support, and teaches advocacy to those who have woken up one day to this terrible birth defect. Cherubs has also given what little money and resources they have to recruit the top specialists in the field to better aide in this mission. Cherubs has operated far too long on a shoe string budget, yet despite that they have managed awareness on Nationally televised dramas, documentary shorts, and even have marched on Washington. If it was in my power to give them the resources they needed to obliterate CDH, I would in a heartbeat (no pun intended)."



L.C.W.
General Member of the Public 06/19/2012





"A few years ago 3 little boys were beyond excited to welcome a little sister! "Our FIRST sister!" they happily exclaimed to anyone who'd listen. The day finally arrived and they anxiously awaited pictures of their "finally a girl". She was born a robust 8.6 lbs and 21" long, yet, layed on my belly purple, Still, SILENT. The silence was suffocating.

I was frozen with terror and could only repeat, "She isn't crying. She isn't crying." Thankfully nurses were able to get her responding. We knew something was off, but the nurse blew off all of our expressed concerns. We went home KNOWING something was wrong. A mere 13 days later we landed in the ER with our first baby girl in desperate trouble. Her oxygen had been at 80% for the first 13 days of her life, we'd found her not breathing several times each night, and she turned purple every time she cried. We heard the words Congenital Diaphragmatic Hernia for the first time in our lives. Words like she's stable at the moment, and emergency surgery were being flung at us faster than we could process. It was harrowing!!

We were stunned to numbness, yet, wildly terrified all at once. We had no idea the long term implications to such a diagnosis. We were later discharged with NO warnings or long term information regarding a Diaphragmatic Hernia survivor. We muddled along for nearly 2 years with NO idea what was typical versus cause for concern.

We were alone.

It was a terrible way to try and provide what your baby needs. Then, one day, I stumbled across CHERUBS and found an entire community navigating the same path we were on. We were no longer alone. We had hope. We found wisdom. We found support from those who really get it. We found a second home! We're forever grateful for this amazing group of dedicated people."

B. M.
Member 04/29/2016



"My daughter was born with LCDH. This organization helped us in many ways before she was born, and when she passed. Thank you all for what you do. Your hard word doesn't go unseen!"

Anonymous
Member 04/30/2016



"My daughter was born with LCDH. This organization helped us in many ways before she was born, and when she passed. Thank you all for what you do. Your hard word doesn't go unseen!"

Anonymous
Member 04/30/2016



"I volunteer for CHERUBS as a Hospital Angel. I am very proud to give back to them as I am eternally grateful for all they have done for me & my family in the last 3-1/2 years! CHERUBS is more than just a group to me, they are truly like a second family. After my son Jayden died I was so devastated I locked myself away and was on the verge of wanting to end everything, but just when I was at my worst, my mom showed me CHERUBS. Once I saw what they were about and got to know some of the AMAZING people who not only TRULY knew my pain and wanted to help me in my time of need and beyond, I found that because of the support and LOVE of these selfless, caring, open, and understanding people I had truly found a renewed sense of purpose and reason to live!

Now because of finding this WONDERFUL community I now have a passion and drive for life and have met some of the most amazing, wonderful, and close friends I have EVER had that I NEVER would have met would it not have been for CHERUBS! I also now have a new mission and goal in my life to help other families like us and let them know they are not alone, and we will be there for them in ANY way they may want/need just like all the amazing families before me did for my family in this wonderful group. My biggest hope and goal for this charity is to raise enough money and awareness to put to more research to help us someday find the answers, and in return find an end so no more babies die or suffer... pure and simple.

Thank you for listening and THANK YOU TO CHERUBS FOR ALWAYS BEING THERE AND HELPING TO SAVE MY LIFE WHEN IT COUNTED MOST .."

Alicia G.
Member, Former Volunteer, 08/13/2013





"As the director of the Pediatric Surgical Research Laboratories at Massachusetts General Hospital (MGH) (Boston, MA) and the Principal Investigator of a research study entitled, Gene Mutations and Rescue in Human Diaphragmatic Hernia, (based at MGH and Boston Children's Hospital) that aims to understand better the genetic causes of congenital diaphragmatic hernia and pulmonary hypoplasia, our group has been honored to work with the CHERUBS association for over 6 years. CHERUBS has provided enormous support to many of our local New England families, as well as to those we have recruited both nationally and internationally. We look forward to presenting our research and interacting with new and returning families at the annual CHERUBS conferences. Dawn Torrence's professionalism in initiating and shepherding this dedicated group and their support of our genetic research has made an enormous impact on our efforts towards devising novel treatments for CDH and associated abnormalities of lung development."



Patricia K. Donahoe, M.D.
 Medical Advisory Board Member
 07/25/2013
 Massachusetts General Hospital,
 Harvard Medical School

"I learned about CDH the hard way; our son was diagnosed prior to his birth. He survived the delivery, unfortunately he did not survive past his first day. CHERUBS has been a wonderful resource to learn, to grieve, to celebrate, and to just talk (or listen) to others who understand what we are dealing with. CHERUBS provides a strong, meaningful support system that is rarely found."

George S.
 Member 06/19/2012



"CHERUBS has been a blessing to our 19 month old LCDH and ECMO survivor!!"

Anonymous
 Member 04/30/2016



"I discovered CDH International back in 2007 when the charity was called CHERUBS. This was several years after my son was born with an undiagnosed CDH. I finally had found the support I needed, a place to come and ask questions and to celebrate my son's milestones. In 2009, I took on a volunteer role on their card committee and helping with prayer requests, from there my volunteer roles expanded and eventually turned into a job for me. A job I wholeheartedly love and have passion for. I am currently the Support Department President, and it is my goal to provide support to all families affected by CDH. To not walk this journey alone is very important to me. At CDHi, we make sure no family has to walk this journey alone. I am a personal witness that we have helped 1000's of families walk this journey with CDH."

CDH International focuses diligently on continuing the push for CDH research by running the CDH Patient Registry, eventually accrediting hospitals and charities, publishing studies, lobbying for NIH funding for research, and funding research grants. By working with NIH, the WHO and other research entities, we are on the front line of research while still personally supporting patient families. We work with hospitals, surgeons, researchers, and other charities on a global initiative to stop Congenital Diaphragmatic Hernia. Together we can make a difference! I am honored to work for CDH International to provide a better future for all babies born with Congenital Diaphragmatic Hernia."

Tracy Meats
 Member, Vice-President, Volunteer 09/13/2022



"Both my daughter and I were born with CDH. CDHi is so important to our family because more funding for research is greatly needed. I don't want a 3rd generation of our family to be effected with this devastating birth defect."



Lauren D.
 Member, Volunteer, CDH survivor 10/28/2018



"My son was born with multiple birth defects and one of them was CDH. My son Charlie was 4 months and 10 days old when he passed away from PH in 2008. I HATE CDH AND ALL BIRTH DEFECTS!!"

M.C.J.
 Member 06/19/2012





"Our LCDH survivor is 2 now. Cherubs helped so much. Finding support and information in a time of fear was such a blessing."

Debbie
Member 04/30/2016



"Without Cherubs this journey would be so much harder. I learned most of it I know today about CDH because of Cherubs."

Katerina
Member, 04/30/2016



"I'm a Nannie to a 2 yr old survivor who is still fighting!! Without CHERUBS we would have been LOST!! Love love love the SUPPORT they GIVE TO EACH FAMILY!! CDH is a VERY LONELEY DIAGNOSIS until you get contacted and supported by CHERUBS!! They are the BEST!!."

Anonymous
Member 04/30/2016



"CDH has been there for us since 2004 when my son Brandon was born with a congenital diaphragmatic hernia. We found out about his condition two days prior to his birth. Cherubs (CDH International) was the only resource we could find that explained to us his condition and what to expect (good or bad) moving forward. Fifteen years later we still are so grateful for all the support and Information they continue to provide to so many families."

Cheryl S.
Member, Volunteer 09/01/2020



"Phenomenal organization. Compassionate, educational, supportive, dependable communication. Thank heavens they have been available for us.."

H.Y.G.
Member 04/20/2015



"CDHi has been incredible since the day we found out about our daughter's condition. They have countless resources for parents to learn about CDH, a large community support system to help struggling parents, and amazing apparel and accessories to help raise awareness.

At the top of all of this, they spend the majority of their time and money assisting with the research to help end CDH. While doing all of that, the leaders of CDHi spend whatever free time they actually have left, following the unfortunately high number of CDH babies and their families and reach out to the parents and share their stories.

I could go on and on about this wonderful organization but I will end with this. You can not and will not find a better charitable organization than CDHi!!"

Zach G.
Member, Volunteer 05/25/2021



"My son was born with CDH and this charity welcomed us and made us feel like we had answers, support and someone we could go to just to listen in a very tough time. They sent us a care kit with a handmade hat and adjusted baby's first book to explain the time he had in the nicu. It's thoughtful things like that that make this charity above all others!."

Chelsea H.
Member 04/30/2016



"The tote bag project is amazing for expectant mothers. Such a relief to have a community to connect with while going through pregnancy and life with a CDH child. We also received a financial grant that really helped with the cost of making a daily 200 mile commute to see our child."

Anonymous
Member 04/30/2016



"This organization is there when you get news you never knew existed. Parents like me need this kind of support.."

Shannon S.
Member, 09/01/2020



"Our family can not say enough good things about Cherubs! The information, support, and most importantly the hope they provided to is when one of our twins was diagnosed with CDH was one of the main things that helped us get through such a tough time. Our daughter Emily is a 14m old fighter and we are so blessed.."

Shannon S.
Member 04/20/2015



CDH Angel Club

Join a prestigious group of philanthropists by becoming a member of the Angel Club in honor or memory of a cherub. The Angel Club is a recurring monthly or yearly donation that makes it easy to provide continued support to CDH International. The Angel Club provides our charity with a stable income to provide research, awareness and support services to patients and their families. Join at <https://cdhi.org/cdh-angel-club/>.



BENEFACTOR ANGEL CLUB MEMBERS

Benefactor Level Club Members donate over \$600 per year (\$50 a month) and/or have been Angel Club Members for 10 years or more.

- Richard Charles Englehardt III,
- Micah Eli Poston
- Messiah Adebayo Berroa
- Elisha Bold
- Kasey James Colvin
- Rae Ann Davis
- Juniper Doolan Hamilton
- Mikayla Duscher
- Emily Daly Emily Daly
- Shelton Earl Evans
- Skylar Milagros Fonseca
- Roger Gentile
- Braden Holt
- Barrett Korte
- Jolene Lachance
- Lincoln McAngus
- Ian Meats
- Preston Montague
- Liz Plakholm
- Allison Pruitt
- Allie Reaves
- Allison Schmitt
- Jeremy Shane Torrence
- Dominic Vitolo
- Tucker Von Hatten



SUSTAINER ANGEL CLUB MEMBERS

Sustainer Level Club Members donate up to \$239 per year (up to \$19.99 a month) to help fight CDH.

- Zephyr Abshier
- Vanessa Mary Baldwin
- Ingrid Bolund
- Nelson Bradshaw
- Sean Forney
- Gillian V Crane
- Beckett Logan Goll
- Amber Guevarez
- Jax Gilbert Knoph
- Alejandra Madueno
- Kayce Malin
- Olivia Prater
- Evelyn Pryor
- Matthew Shear-Doellmann
- Ollie Spriggs
- Faith Josephine Uhden
- Trent Zahara



PATRON ANGEL CLUB MEMBERS

Patron Level Club Members donate between \$240 and \$599 per year (\$20 to \$49 a month) and/or have been Angel Club Members for 5 years or more.

- Alexander Rex Alexander
- Maxx Amador
- Naklyer Anthony
- Oliver Sean Aranha
- Caroline Benson
- Elle Campbell
- Hope Cassidy
- Baige Austin Casto
- Nathaniel Richard Claes
- Jason Collins
- Benjamin Crone
- Jenna Rose Dayton
- Natalie Deitz
- Liam Devlin
- Sean Anthony Feaster
- Isabella Rey Gibison
- Jayden Gilbert
- Lydia Rose Green
- Toby Griffith
- Brandon Hall
- Lauren Hall
- Annelise Nicole Hallinan
- Milton Hammer
- Jack Hockenyos
- Braden Holt
- Colin Matthew Scott Ingham
- Kyle Jakovleski
- Findlay Lucas Jordan
- Caleb Christopher Kaprielyan
- Amanda Leigh Kubus
- Joy Lamkin
- Hanna Rae Rose Larrison
- Hillary Jayne Leopold
- Emily MacKenzie
- Amy Heather Mandelbaum
- Dante Manzo
- Hunter Matteson
- Kaleigh Myers
- Alexander Joseph Nazareth
- Patrick Murray Perala
- Jade Skye Perkins
- Leah Morgan Reid
- Scarlett Grace Roberson Roberson
- Eddie Jr Rodriguez
- Rylan Salazar
- Brielle Santo
- Nathan Daniel Scelfo
- James Robert Sellers
- Andrew Snyder
- Hannah Svoboda
- Cooper Weston
- Ethan James Whetzel
- Rebel s William
- Cason Micah Williams
- Charlie

Welcome to our newest Angel Club Members!



YOUR DONATION DOLLAR AT WORK

- \$10,000 for a CDH Center Research Grant
- \$25,000 for a CDH Family Conference
- \$1000 for a Financial Assistance Grant*
- \$2500 for a Funeral Assistance Grant*
- \$1000 for a College Scholarship*
- \$10 for a set of CDH Awareness Bracelets for a new family
- \$100 for a Gas Card for a for a new family
- \$1000 for a Patient Scholarship to a CDH Family Conference
- \$135 for a CDH HOPE Totebag Newborn Care Package*
- \$2500 for a Save the Cherubs Awareness Mural
- \$5000 for a Parade of Cherubs Event
- \$15,000 a year for an Office
- \$500 to print 100 CDH Parent Reference Guides to send to 1 Hospital
- \$5000 to produce a high quality PSA Video
- \$5000 to produce the annual CDH Awareness Telethon
- \$3000 in fees for Light Ups for CDH Awareness Day
- \$5000 for an On-Line CDH Family Conference
- \$5000 to represent CDH Patients at an Overseas Medical Conference
- \$10,000 to have a Vendor Booth at a Medical Conference
- \$500 to travel to Research Meetings in the U.S.
- \$15,000 to manage 6 Overseas CDH nonprofits

1 year salaries for the following positions that are needed to run a successful nonprofit of this size. We currently do *not* have these position at CDH International:

- \$40,000 for a Patient Engagement Director
- \$35,000 for a Patient Registry Data Manager
- \$55,000 for a Grant Writer
- \$55,000 for a Research Fundraiser
- \$30,000 for a Social Media Manager
- \$30,000 for a CDH Awareness Director
- \$55,000 for a Research Fundraiser & Patient Engagement Director for the UK CDHi NGO
- \$55,000 for a Research Fundraiser & Patient Engagement Director for the Swiss CDHi NGO
- \$55,000 for a Research Fundraiser & Patient Engagement Director for the Dutch CDHi NGO
- \$55,000 for a Research Fundraiser & Patient Engagement Director for the Singapore CDHi NGO
- \$55,000 for a Research Fundraiser & Patient Engagement Director for the Hong Kong CDHi NGO

With just a 12% Overhead



When the economy is bad, volunteer numbers go down. Add in a pandemic and we have lost many of our volunteers the past 3 years. Without enough volunteers, we cannot provide services, fundraise, or provide many of the things that these patients need and deserve. Funding has also been drastically down in this economy and we are unable to hire the number of people needed to successfully run a global charity.

Last year, we asked for volunteers and had many people step up. We have struggled to train people with just a hand full of people trying to run most of the programs. So we are revamping our teams and committees from almost 30 committees to 5 Departments with 5 teams/committees.

Each of these Departments will have specific people in charge of roles, rather than whole committees as we have found that virtual committees do not work. It usually ends up one or two people who do all the committee work and they get frustrated and then, burn out. Also, so many committees means too many meetings, too much confusion.

Each Department will have a Director. Each role can have more than 1 person doing the work, if we can find multiple volunteers.

Currently, we have some new volunteers waiting to be trained and they will be pulled into meetings at the beginning of the year. But, many of these positions are empty and we need help to continue the work. When a position is empty, our President does the work needed and that takes time away from Research, Admin, and Fundraising.

If you can help, please email us at volunteer@cdhi.org

**Volunteers
needed**



CDH INTERNATIONAL MAKE A REAL DIFFERENCE!

If you can help, please email us at volunteer@cdhi.org

Board Positions	Duties
Executive Board of Directors	Fundraising, networking, licensing. Overseeing and ensuring legal, financial and operating responsibilities of the entire charity.
Executive Secretary of the Board	Oversee all legal workings of the U.S. charity and collaborate with the other CDH International NGOs
Admin & Marketing Department Roles	Duties
Web Site	Web site updates and fixes
SEO	Web site updates and fixes
Videography	Create videos for telethon, documentary, PSAs and more
Graphics	Use our software to help create product graphic, social media graphics (approx. 3 hours a week)
CDH Shop	Create items (approx. 5 hours a week), maintain shop, programming, customer support (approx. 2 hours a week)
Press Releases	Help to write and send out press releases as needed (approx. 2 hours a week)
CDH Magazine	Help to gather stories of patients born with CDH, edit magazine (approx. 3 a week) Due 1st of each month.
Facebook Ambassadors	Engage CDH families, answer messages (approx. 2 hours a day)
Instagram Ambassadors	Engage CDH families, answer messages (approx. 2 hours a day)
TikTok Ambassadors	Engage CDH families, answer messages (approx. 2 hours a day)
Twitter Ambassadors - CDHi	Engage CDH doctors, answer messages (approx. 2 hours a day)
CDHi UK Social Media	Engage CDH families on FB, Twitter and Instagram, answer messages (approx. 2 hours a week)
CDHi Canada Social Media	Engage CDH families on FB, Twitter and Instagram, answer messages (approx. 2 hours a week)
CDHi Switzerland Social Media	Engage CDH families on FB, Twitter and Instagram, answer messages in French and/or German (approx. 2 hours a week)
CDHi Netherland Social Media	Engage CDH families on FB, Twitter and Instagram, answer messages in Dutch (approx. 2 hours a week)
CDHi Hong Kong Social Media	Engage CDH families on FB, Twitter and Instagram, answer messages in Chinese (approx. 2 hours a week)
CDHi Singapore Social Media	Engage CDH families on FB, Twitter and Instagram, answer messages (approx. 2 hours a week)
Research Department Roles	Duties
Patient Recruiting	Helping patient families to be a part of research through the CDH Patient Registry and University research studies.
Research Library	Finding new research publications, adding them to the virtual library, graphic, blog post, social media posts
Research Grants	Fundraise for research at CDHi and grants to hospitals
Fundraising Department Roles	Duties
Facebook Fundraisers	Recruit people to hold FB fundraisers, help set them up, blog posts, social media posts, graphics (approx.. 3 hours a week)
Birthday Fundraisers	Recruit people to hold FB birthday fundraisers, help set them up, blog posts, social media posts, graphics (approx.. 3 hours a week)
CDH Cookbook	Collect recipes, put them in book template (approx. 10 hours a week for 1 month) Project due May 31, 2023.
Family Fundraising Events	Recruit people to hold fundraising events, set up FB event blog posts, social media posts, graphics (approx. 5 hours a week)
Save The Cherubs Book	Collect photos and put them in book template (approx. 10 hours a week for 1 month) Project due May 31, 2023.
Golf Tournament	Find sponsors, action items, sell tickets for April 2024 event in Raleigh, NC (approx. 5 hours a week) April 2024 in Raleigh, NC.
Angel Club	Recruit Angel Club Members (approx. 3 hours a week)
CFC Grants	Promote Combined Federal Campaign, organize State Reps to attend events (approx. 5 hours a week, September - December)
Masquerade Ball	Find sponsors, action items, sell tickets for February 2024 event in Raleigh, NC (approx. 5 hours a week) February 2025 in Raleigh
Sponsorships	Find potential corporate sponsors and introduce them to David Holt, Board Member (approx. 3 hours a week)
Awareness Department Roles	Duties
Light Ups	Email / call landmarks to request light ups, follow up, graphics, video, blog post, social media posts
Proclamations	Email / call governors to request proclamations, follow up, graphics, video, blog post, social media posts (approx. 3 hours a week January-February, 5 hours a week March- April)
Radio Show	Video interview CDH families about their stories, recruit guests, graphics, blog post, social media posts (approx. 3 hours a week)
Telethon	Use our software to help create product graphic, social media graphics (approx. 3 hours a week)
Faces of CDH	Create graphics and social media posts for our 1 cherub a day campaign (approx. 3 hours a month)
Awareness Events	Help families organize events for April to raise awareness (approx. 2 hours a week, 10 hours a week March-April)
Patient Engagement Dept Roles	Duties
Charity Greeter	Send new members welcome emails
Prayers & Celebrations	Collect requests, make graphics, post on social media (approx. 2 hours a week)
Special Days	Create and schedule daily post of birthdays and angel days (approx.2 hours a month)
Facebook Groups (merging with Forums)	Moderate groups, engage members (approx. 2 hours a day)
Forums Admin	Moderate forums, engage members (approx. 2 hours a day)
On-Call for Survivors (merging with Expectant)	On-Call for families who need to talk (approx..1 hour per month)
On-Call for Grieving	On-Call for families who need to talk (approx..1 hour per month)
International Representatives	Actively engage families, plan events, ask for proclamations, light ups, translate if needed (approximately 10 hours per week)
State Representatives	Actively engage families, plan events, ask for proclamation, light ups, represent CDHi at CFC events (approximately 10 hours per week)
Totebags	Fundraise for totebags (anywhere) or put them together (local) (currently closed unless help and resources return)
Financial Assistance	Fundraise and then vote by committee to award grants (currently closed unless help and resources return)
Funeral Assistance	Fundraise and then vote by committee to award grants (currently closed unless help and resources return)
Scholarships	Fundraise and then vote by committee to award grants (currently closed unless help and resources return)

CDH INTERNATIONAL FUNDRAISERS

FACEBOOK FUNDRAISERS

- Nick's Birthday Fundraiser for CDHi in Honor of Oona
- Esther's Birthday Fundraiser for CDHi
- Jessica's Birthday Fundraiser for CDHi in Memory of Stefan
- Megan's Birthday Fundraiser for CDHi
- Maribel's Birthday Fundraiser for CDHi in Honor of Eoghan
- Dejah's Birthday Fundraiser for CDHi in Memory of Kellan
- Elizabeth's Fundraiser for CHERUBS in Memory of Sawyer
- Robert's Birthday Fundraiser for CDHi
- Dawn's Birthday Fundraiser for CDHi in Memory of Shane
- Holly's Birthday Fundraiser for CDHi
- Savannah's Birthday Fundraiser for CDHi
- Frances' Birthday Fundraiser for CDHi
- Cara's Birthday Fundraiser for CDHi

FACEBOOK FUNDRAISERS

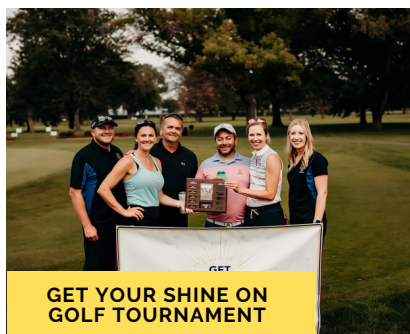
THANK YOU TO THE FOLLOWING FUNDRAISING EVENTS! YOU ARE VITAL IN OUR FIGHT AGAINST CDH.

Get Your Shine On Golf Tournament in Memory of Rae Ann Davis

Liz and Lincoln's Walk in Memory of Lincoln McAngus and in Honor of Elizabeth Plakholm

Trekking for CDH in Honor of Tucker Lee Von Hatten and Barrett David Korte

Northeast Mustang Meet in Memory of Skylar Milagros Fonseca



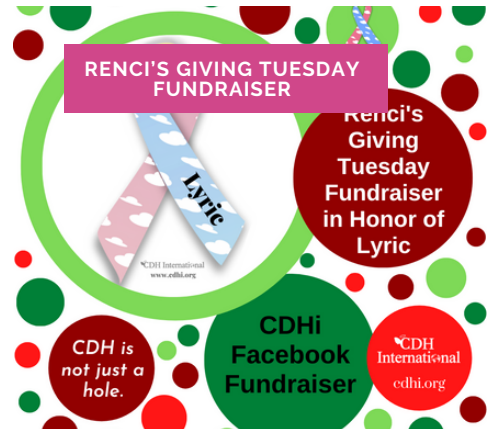
CDH INTERNATIONAL FUNDRAISERS

FACEBOOK FUNDRAISERS

- Christine's Birthday Fundraiser for CDHi
- Marie's Birthday Fundraiser for CDHi
- Nicole's Birthday Fundraiser for CDHi
- Nikka's Birthday Fundraiser for CDHi in Memory of Miracle
- Keith's Birthday Fundraiser for CDHi in Memory of Elijah
- Kali's Birthday Fundraiser for CDHi in Honor of Jackson
- Ray Chalmer's Birthday Fundraiser for CDHi in Honor of Casper
- M.A.'s Birthday Fundraiser for CDHi
- Frances's Birthday Fundraiser for CDHi in Honor of Luke
- Carissa's Birthday Fundraiser for CDHi in Memory of Cierra
- Tara's Birthday Fundraiser for CDHi in Honor of Caleb

FACEBOOK FUNDRAISERS

- Sarah's Giving Tuesday Fundraiser in Memory of Asher
- James's Giving Tuesday Fundraiser
- Mindy's Giving Tuesday Fundraiser in Memory of Matthew
- Riana's Giving Tuesday Fundraiser
- Tatiana's Giving Tuesday Fundraiser in Memory of Elijah and in Honor of Luka
- Dawn's Fundraiser for CHERUBS
- Emily's Giving Tuesday Fundraiser in Memory of Freya
- Renci's Giving Tuesday Fundraiser in Honor of Lyric
- Michelle's Giving Tuesday Fundraiser
- Tracy's Giving Tuesday Fundraiser in Honor of Ian



CDH INTERNATIONAL

DECEMBER BIRTHDAYS & ANGELVERSARIES

- Birthday of Zane Joseph Clark
- Birthday of Yazmin Caridad-Virginia Filpos
- Birthday of Yanis Wesley Vuillard
- Birthday of Yan Yeung Poon
- Birthday of Xzavior Lashon Gallarzo-Steward
- Birthday of Xena Michelle Robertson
- Birthday of Winter Rae Webb
- Birthday of William Prudhomme
- Birthday of William Griffin
- Birthday of William E. Smith
- Birthday of Truman Taylor
- Birthday of Tristen John Morgan
- Birthday of Tristan Anthony Francis Goldstein
- Birthday of Trinity Claire Bigelow
- Birthday of Trevor Grossett
- Birthday of Toby Hugo Pickstock
- Birthday of Tia Kaye Frazer
- Birthday of Thomas Allan Catchings III
- Birthday of Tharundith Thadithya Sumanaweera
- Birthday of Thaddeus James Robertson
- Birthday of Teegan Renae Lawrance
- Birthday of Teddy James Chatto
- Birthday of Taylor Lynn Frazar
- Birthday of Taylor Lee Hacker
- Birthday of Tamara Duchscherrer
- Birthday of Stylas Lee Torrence
- Birthday of Steven Daniel Senesky
- Birthday of Stephen Jon Mollman
- Birthday of Sophia Rose Guerrero
- Birthday of Sophia Rose Cheney
- Birthday of Sneha Anne Senthil
- Birthday of Sienna Marie Howard
- Birthday of Shelby Hildreth
- Birthday of Shawn A. Sheppard
- Birthday of Serenity Rose Hughes
- Birthday of Serenity Dawn Davis
- Birthday of Serena Ann Rush
- Birthday of Sebastian Los
- Birthday of Sean Micheal Alexander
- Birthday of Scott William Robertson
- Birthday of Scott Alexander Mendez
- Birthday of Saylor Eloise McConnell
- Birthday of Sarah Josephine Faul
- Birthday of Sarah Elizabeth Sweeney
- Birthday of Sara Lareigh Dobrick
- Birthday of Saniya Reyes
- Birthday of Samuel Richard Sorensen
- Birthday of Samuel Reuben King
- Birthday of Samuel Kenneth Finzer
- Birthday of Samuel James Parkins
- Birthday of Samuel Gildehaus
- Birthday of Samuel Gilbert Hall
- Birthday of Sam Oliver Matthews
- Birthday of Sage Raven Sukup
- Birthday of Rylee Faithe Ogles
- Birthday of Ryan J Toney
- Birthday of Ryan Arthur Groff
- Birthday of Rochelle Marie Fariello
- Birthday of Rocco Jacob Welch
- Birthday of Robert Charles Garnett
- Birthday of Riley Lynn Haverfield
- Birthday of Riley Kimball Worthen
- Birthday of Rian Debnath
- Birthday of Remy Michael Clark
- Birthday of Remy Leo Miller
- Birthday of Reese Maverick Feith
- Birthday of Reese Daly
- Birthday of Rebecca Ewing
- Birthday of Rebecca Christine Hodson
- Birthday of Reagan Kay Gallegos
- Birthday of Rachel Renee Jones
- Birthday of Rachel Anekah Posthumus
- Birthday of Quinn Walker McGinnis
- Birthday of Prince Carl Zamora Amac
- Birthday of Preston Carr Montague
- Birthday of Pierson Jack Sharp
- Birthday of Pedro Souto
- Birthday of Payel Patel
- Birthday of Patrick Joseph Hurdle
- Birthday of Owen Jacobs Deysel
- Birthday of Owen Darren Robson
- Birthday of Olivia Megan Kennedy
- Birthday of Olivia Lynne Bray
- Birthday of Olivia Faith Hargraves
- Birthday of Nick Adams
- Birthday of Nicholas O'Reilly
- Birthday of Nicholas (Nicky) Walter Treska
- Birthday of Nathaniel Louis Kyle Danet
- Birthday of Natalie Fuentes
- Birthday of Morgynn Sydney Ford
- Birthday of Mikaihel Enrique Perez
- Birthday of Michaela Ashbrook Munson
- Birthday of Michael Reed Wallis
- Birthday of Michael Earl Ransom Jr
- Birthday of Micah Elizabeth Sigle
- Birthday of Melissa Archibeque
- Birthday of Megan Rene Miller
- Birthday of McKenzie Steven Toman
- Birthday of Maya Lynn Bailey
- Birthday of Max Richard Thornsbury
- Birthday of Matthew Ryan Kennedy
- Birthday of Matthew Robert Joseph Doellman
- Birthday of Mathias Jacob Lehmann
- Birthday of Mason Evan Bryant
- Birthday of Mason Burton
- Birthday of Marshall James McLennan
- Birthday of Marley Jane Steingass
- Birthday of Marina E. Coury
- Birthday of Mariane Rail
- Birthday of Mariah St.Pierre-Lebel
- Birthday of Marco Telesca
- Birthday of Madison Elizabeth Kelsay
- Birthday of Madeline Rodriguez
- Birthday of Luke Joseph Thomas
- Birthday of Lucy Rayne Dovin
- Birthday of Lucy Marlow
- Birthday of Lucas Shawn Fields
- Birthday of Lucas Danial Huether
- Birthday of Luc John Roger Roy
- Birthday of Lorenz Williams
- Birthday of Lorelei Raegan-Lynn Brock
- Birthday of London Elizabeth Woodward
- Birthday of Logan Zachary Wilkins
- Birthday of Logan John Kelvin Gibbon
- Birthday of Lily Mae Stanislawski
- Birthday of Lillian Marie Hutchens
- Birthday of Lexee Bryn Poll
- Birthday of Levi Haddick
- Birthday of Leonardo Maximo Reyes
- Birthday of Leo Alexander
- Birthday of Leelu Shea Renollet
- Birthday of Leah Faith Gomez
- Birthday of Lauren Marie Bower
- Birthday of Landon Job Gazave
- Birthday of Kyle James Barbee
- Birthday of Kyle Eugene Newton
- Birthday of Kyle Benjamin Jenkins
- Birthday of Kristina Corna
- Birthday of Kristen Kay Miller
- Birthday of Kieran William Johnstone
- Birthday of Kieran Andrew Card
- Birthday of Khalil Malik Jones
- Birthday of Kennedy Alysse Bourgeois
- Birthday of Kendall Scott Hester
- Birthday of Kellan Floyd Rogers
- Birthday of Kayson Thomas Harowitz
- Birthday of Katja Baeumler
- Birthday of Kaisley Rae Gill
- Birthday of Kage Riley Bradshaw
- Birthday of Justyce Nahledge Baker
- Birthday of Juniper Elle - Lynn Cole
- Birthday of Julianna Key
- Birthday of Julia Ewa Betlejenski
- Birthday of Joyce Ray
- Birthday of Josiah Stephen Blay
- Birthday of Josiah Peterman
- Birthday of Joshua T. Portner
- Birthday of Joe Steven Falasca
- Birthday of Joseph Cox
- Birthday of Johnathan Clark
- Birthday of John Connor Hoskin
- Birthday of Joe Steven Longman
- Birthday of Jewel Nicole Smith
- Birthday of Jessica May Wentz
- Birthday of Jesse Michael Wood
- Birthday of Jayden Jonathan Vegter
- Birthday of Jayden Jonathan Jones
- Birthday of Jayden James Nicholas
- Birthday of Jarred Deer Jr.
- Birthday of Jameson Eaton
- Birthday of Jaimee-Rose Hope Bonner
- Birthday of Jac'Quan Damion Rawlinson
- Birthday of Jacob Thomas Reinhardt
- Birthday of Jacob Russell Hitchcock
- Birthday of Jacob Owain Hamrick
- Birthday of Jacob McGrath
- Birthday of Jacob David Ryan
- Birthday of Jackson Grey Joseph
- Birthday of J.R. Vranes
- Birthday of Izaia Rafael Fuentes
- Birthday of Hunter Jeffrey Stevens
- Birthday of Hunter Arlidge
- Birthday of Hieu Ba Ngo
- Birthday of Henry Reed Dorner
- Birthday of Helios Arion Houston
- Birthday of Harry James Hicks
- Birthday of Harper Hallmark
- Birthday of Hannah Elizabeth Horn
- Birthday of Hailey Elizabeth Rogula
- Birthday of Grady Thomas King
- Birthday of Grace Antonia Buckeye
- Birthday of Genevieve Lucille (Evie) Henderson
- Birthday of Gavin Wilson Ream
- Birthday of Gavin Alcus Marler
- Birthday of Gabriella Checotah
- Birthday of Gabriel Nathan Matias Bunoy
- Birthday of Gabriel Craig-Kiani Virnig
- Birthday of Finnegan Thomas Tracey
- Birthday of Evelyn Mireya Sanchez
- Birthday of Evelyn Elizabeth Morris
- Birthday of Evalon Zoe Bell
- Birthday of Erika-Lyn Moul
- Birthday of Emmalynn Rayne Ferreira
- Birthday of Emma Katherine Keene
- Birthday of Emily Ruth Surgis
- Birthday of Emily Ann Pater
- Birthday of Ella Eileen Woodbury
- Birthday of Elizia C.J.M. Chicoine
- Birthday of Elizabeth Jeannette Griffin
- Birthday of Eli I. Stewart
- Birthday of Dylan Thorner-Benseman
- Birthday of Dylan Palmer Skeer
- Birthday of Dylan James Zofnas
- Birthday of Dorothy Sariah Woods
- Birthday of Donyae C.
- Birthday of Devin Scott Person



CDH INTERNATIONAL

DECEMBER BIRTHDAYS & ANGELVERSARIES

- Birthday of Denver-Wayne Alvin Carr
- Birthday of Davis Michael Ashworth
- Birthday of Daniel David Marshall
- Birthday of Dalton Jones
- Birthday of Dakota Sherdell Gene Cawwey
- Birthday of Dakota Marie Tenney
- Birthday of Corban Massey
- Birthday of Cooper Payne Leo Jensen
- Birthday of Cooper Adam Hecker
- Birthday of Connor Michael Grimes
- Birthday of Colin W. Lansdon
- Birthday of Colin Matthew Scott Ingham
- Birthday of Cole Robert Pulse
- Birthday of Clinton W. Foster
- Birthday of Clayton Mast
- Birthday of Claire Noel Jackson
- Birthday of Ciaran Edward Keller
- Birthday of Christopher William Rodriguez
- Birthday of Christian G. Rapisarda
- Birthday of Chloe Walker
- Birthday of ChetanKrishna Rao Enaganti
- Birthday of Charlotte Anne Gilhooly
- Birthday of Charles Ryan Roberts
- Birthday of Chaniya Jones
- Birthday of CeCe Graves
- Birthday of Caylor Rebecca Bird
- Birthday of Catherine Elizabeth Clements
- Birthday of Cassidy Nicole Kayser
- Birthday of Cassandra Leigh Carter
- Birthday of Cash Charles Gentry
- Birthday of Casey James Fassold
- Birthday of Carter Austin Ramsey
- Birthday of Caroline Elizabeth King
- Birthday of Candace Catherine Reeves
- Birthday of Camden James Urbanski
- Birthday of Callie Grace Gould
- Birthday of Caleb Thomas Daniel
- Birthday of Caleb Michael Rhodes
- Birthday of Caleb Martin Maldonado
- Birthday of Caiden Craig Arnold Avriett
- Birthday of Cadenne Hope McDaris
- Birthday of Bryson Timothy Maurice Atkins
- Birthday of Bryson Michael DeLucia
- Birthday of Bryson Dobbs
- Birthday of Bryan Taylor Piazza
- Birthday of Bruce Richard Goundie
- Birthday of Brooklyn Shane Caldwell
- Birthday of Brooklyn Rae Harker
- Birthday of Brodie McKibbin Bennett
- Birthday of Brieana Ashley Hanzel
- Birthday of Brianna Samantha Almeida Hidalgo
- Birthday of Brett Taylor Abaurrea
- Birthday of Brennen William Bradshaw
- Birthday of Breckan Gene Van Zyl
- Birthday of Breanne Kynleigh Girvan
- Birthday of Breanna Crossley Warr
- Birthday of Brandon Sandoval
- Birthday of Brandon E. Callow
- Birthday of Brady Douglas Good
- Birthday of Bobby Joseph Dominguez
- Birthday of Bentlee Anne Rider
- Birthday of Bennett Rezzo Russell
- Birthday of Bennett Hudson
- Birthday of Benjamin Townsend
- Birthday of Benjamin Silla
- Birthday of Benjamin Massoud
- Birthday of Bella Layne Burkett
- Birthday of Beau Eric Corey Edwards
- Birthday of Beau C. Stelly
- Birthday of Bailey Jaycob Walters
- Birthday of Bailey Grace Watson-Smith
- Birthday of Baer Kellam Brogdon
- Birthday of Baby Boy Gupta
- Birthday of Axael Lyxander Vega
- Birthday of Averie Maryssa Stroud
- Birthday of Ava Starnes
- Birthday of Asher James Steven Prada
- Birthday of Arti Ines Hodgson
- Birthday of Armida Marqez
- Birthday of Arianna Maria Lugo
- Birthday of Aria Lillith Daynes
- Birthday of Arellys Fernanda Rodas
- Birthday of Anthony Scamaldo
- Birthday of Anthony Christopher Lazzaro
- Birthday of Anthony Bryce Smith
- Birthday of Annabelle Marie Gomez
- Birthday of Angel M. E. Rawlin
- Birthday of Andrew Neptune
- Birthday of Andrew Jeremy Gresser
- Birthday of Anders Engelby
- Birthday of Amber Nichole Shelton
- Birthday of Amanda Black
- Birthday of Amairani Vianney Corea-Galvez
- Birthday of Alyssa Noel Niedziela
- Birthday of Alyssa Marinelli
- Birthday of Alina Maria Houchin
- Birthday of Alexis Angelynn Riggs
- Birthday of Alexander Lee Vise
- Birthday of Alejandro Aziz Alva
- Birthday of Alan Mikael Cross
- Birthday of Ainsley Love Schneider
- Birthday of Aiden Wesley Btlig
- Birthday of Aiden Michael Mock
- Birthday of Aiden Lee Cox
- Birthday of Aiden Anthony Brinkley
- Birthday of Aidan Wozny
- Birthday of Aidan Amerino Calandra
- Birthday of Adileny Valentina Hernandez Torres
- Birthday of Adeline Barker
- Birthday of Addisen Noel Curtis
- Birthday of Adam Everett Rhodes
- Birthday of Abigail Redding
- Birthday of Abigail Nicole Dennis
- Birthday of Aaron Nathaniel Powell
- Angelversary of Zane Joseph Clark
- Angelversary of Yanis Wesley Vuillard
- Angelversary of Yan Yeung Poon
- Angelversary of William Prudhomme
- Angelversary of William Griffin
- Angelversary of Toby Hugo Pickstock
- Angelversary of Tharundith Thadithya Sumanaweera
- Angelversary of Styals Lee Torrence
- Angelversary of Stephen Andrew Tomes
- Angelversary of Sienna Marie Howard
- Angelversary of Shadow Blaise Odom
- Angelversary of Serenity Rose Hughes
- Angelversary of Sarah Josephine Faul
- Angelversary of Sarah Christina Lewis
- Angelversary of Samuel Richard Sorensen
- Angelversary of Samuel James Parkins
- Angelversary of Sam Oliver Matthews
- Angelversary of Riley Kimball Worthen
- Angelversary of Reilly Caleb Ayers
- Angelversary of Rebecca Ewing
- Angelversary of Randen Richard Steklasa
- Angelversary of Rachel Renee Jones
- Angelversary of Quinn Walker McGinnis
- Angelversary of Prince Carl Zamora Amac
- Angelversary of Olivia Faith Hargraves
- Angelversary of Noah Samuel Geisler
- Angelversary of Noah J. Beaumont
- Angelversary of Nicholas O'Reilly
- Angelversary of Nicholas (Nicky) Walter Treska
- Angelversary of Nathan Barber
- Angelversary of Myles Jonathan McLaughlin
- Angelversary of Mikaihel Enrique Perez
- Angelversary of Michael Tyler Wolfe
- Angelversary of Michael Earl Ransom Jr
- Angelversary of Meghan M. Baxter
- Angelversary of Megan Rene Miller
- Angelversary of Marshall James McLennan
- Angelversary of Marco Telesca
- Angelversary of Mackenzie Helena Collis
- Angelversary of Lyla Elizabeth Threlkeld
- Angelversary of Lila Kate Carpenter
- Angelversary of Leo Alexander
- Angelversary of Leelu Shea Renollet
- Angelversary of Layton Neal Perkins
- Angelversary of Lauren Marie Bowser
- Angelversary of Kasey James Colvin
- Angelversary of Kage Riley Bradshaw
- Angelversary of Johnathen Alexander Porter
- Angelversary of John Connor Hoskin
- Angelversary of Jesse Christian Toth
- Angelversary of Jeremy Ryan Lawrence
- Angelversary of Jarred Deer Jr.
- Angelversary of Jacob Benjamin Maddox
- Angelversary of Jackson Grey Joseph
- Angelversary of Hunter Jeffrey Stevens
- Angelversary of Hunter Arlidge
- Angelversary of Helios Arion Houston
- Angelversary of Harry James Hicks
- Angelversary of Genevieve Lucille (Evie) Henderson
- Angelversary of Gavin Wilson Ream
- Angelversary of Gavin Alcus Marler
- Angelversary of Gabriel Nathan Matias Bunoy
- Angelversary of Finnegan Thomas Tracey
- Angelversary of Evalon Zoe Bell
- Angelversary of Ethan James Kendall
- Angelversary of Esme Willow Cheeseman
- Angelversary of Emmalynn Rayne Ferreira
- Angelversary of Emily Ruth Surgis
- Angelversary of Ember Jayde Mullins
- Angelversary of Elizia C.J.M. Chicoine
- Angelversary of Elias Joseph Mat
- Angelversary of Devin Scott Person
- Angelversary of Denver-Wayne Alvin Carr
- Angelversary of Corban Massey
- Angelversary of Colin W. Lansdon
- Angelversary of Colin Matthew Scott Ingham
- Angelversary of Cole Robert Pulse
- Angelversary of Christian G. Rapisarda
- Angelversary of Charles Ryan Roberts
- Angelversary of Catherine Elizabeth Clements
- Angelversary of Carter Austin Ramsey
- Angelversary of Camden James Urbanski
- Angelversary of Callum Philip Weber
- Angelversary of Callie Grace Gould
- Angelversary of Caleb Michael Rhodes
- Angelversary of Bryan Taylor Piazza
- Angelversary of Bruce Richard Goundie
- Angelversary of Brooklyn Rae Harker
- Angelversary of Brodie McKibbin Bennett
- Angelversary of Brianna Samantha Almeida Hidalgo
- Angelversary of Brennen William Bradshaw
- Angelversary of Brady Edwin Sundt Baumann
- Angelversary of Bethany Grace Rust
- Angelversary of Bennett Rezzo Russell
- Angelversary of Bennett Hudson
- Angelversary of Beckett Logan Goll
- Angelversary of Beau Eric Corey Edwards
- Angelversary of Bailey Jaycob Walters
- Angelversary of Averi Hope Gaynor
- Angelversary of Ava Elaine Dickerson
- Angelversary of Annabelle Marie Gomez
- Angelversary of Angel M. E. Rawlin
- Angelversary of Andrew Jeremy Gresser
- Angelversary of Alexander Joseph Terry
- Angelversary of Aiden Michael Mock



NEW CDH AWARENESS SHOP ITEMS



TOTE BAG - OFFICIAL CDH AWARENESS

Large tote, Grey in Color
100% polyester
Boxed corners

\$18.67



ACCENT COFFEE MUG, 11OZ CDH AWARENESS MUG

White ceramic with colored interior
Eye catching color contrast
C-handle

\$7.08



DESK MAT - CDH AWARENESS

31.5" x 15.5" in size
100% polyester front; 100% natural rubber backing
anti-fray edges, non-slip base

\$19.20



INFANT BODYSUIT - RAINBOW BABY, SENT BY A CHERUB

Various colors and infant sizes
100% Combed ringspun cotton
Light fabric

\$13.47



UNISEX CREWNECK SWEATSHIRT OFFICIAL CDH AWARENESS

Various colors and sizes
50% cotton, 50% polyester
Medium-heavy fabric, loose fit

\$18.55



INFANT TEE - STAND STRONG AGAINST CDH

Black or heather in color, infant sizes
Light fabric, classic fit
100% Combed ringspun cotton

\$20.38



CDH UNISEX "BELIEVE" SWEATSHIRT

Various colors and sizes
80% ring-spun cotton, 20% polyester
Medium-heavy fabric, loose fit

\$27.65



"STRONGER THAN CDH" ADULT TEE

Various colors and sizes
100% cotton
Medium fabric, classic fit

\$14.92



"STRONGER THAN CDH" INFANT BODYSUIT

Various colors and infant sizes
100% combed ringspun cotton
Light Fabric

\$13.47



NEW CDH AWARENESS SHOP ITEMS



"CDH AWARENESS RIBBON" CHRISTMAS STOCKINGS

Fleece stocking

100% Polyester fleece
3" twill ribbon hanging loop

\$20.46



"IT'S NOT JUST A HOLE" CHRISTMAS TREE SKIRT

43.98" in diameter

100% Polyester fleece
One sided print

\$49.77



"IT'S NOT JUST A HOLE" CHRISTMAS STOCKINGS

Soft and spacious stocking

100% Polyester fleece
3" twill ribbon hanging loop

\$20.48



OFFICIAL CDH TARTAN WOODEN CHRISTMAS ORNAMENTS

6 different Christmas shapes

Solid wood, magnetic back
Comes with a red ribbon for hanging

\$6.96



OFFICIAL CDH TARTAN WOODEN CHRISTMAS ORNAMENTS

5 different Christmas Shapes

Solid wood, magnetic back
Comes with a red ribbon for hanging

\$8.71



CDH RAINBOW BABY CHRISTMAS GLASS ORNAMENT

3.5" in diameter

Printed on one side
Comes with a gold ribbon for hanging

\$14.50



CDH AWARENESS RIBBON GLASS ORNAMENT

3.5" in diameter

Printed on one side
Comes with gold ribbon for hanging

\$15.29



CDH AWARENESS STUFFED ANIMALS WITH TEE

8" tall animal with a CDH ribbon tee

Toy: Cotton and polyester blend
Stuffing: Polyester fiber and plastic pellets

\$21.07



"IT'S NOT JUST A HOLE" CDH AWARENESS HOLIDAY CARDS

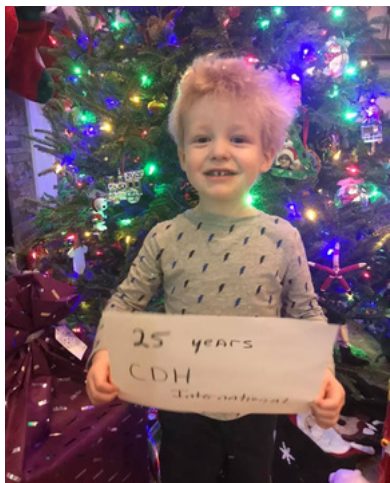
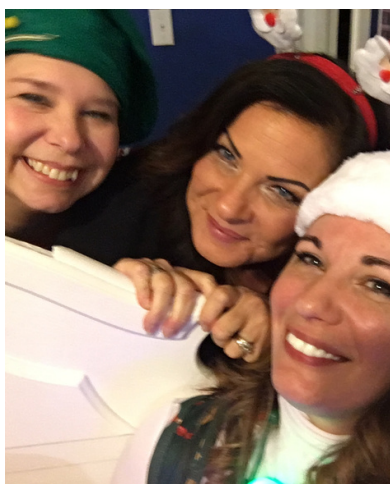
6.9" x 4.9" holiday cards

Material: 300gsm paper
.Print on both sides, comes with an envelope

\$0.47



CDH AWARENESS DURING THE HOLIDAYS



"Change will not come if we wait for some other person or some other time. We are the ones we've been waiting for. We are the change that we seek" - President Barack Obama





“The next time you want to withhold your help, or your love, or your support for another for whatever the reason, ask yourself a simple question: do the reasons you want to withhold it reflect more on them or on you? And which reasons do you want defining you forevermore?”

Dan Pearce