

ANNUAL REPORT OF ACTIVITIES AND FINANCES FOR 2022

Date of Preparation March 31, 2023

Finalized June 15, 2023



***INNOVATE, COLLABORATE, EDUCATE, AND SUSTAIN: THE
FOUR PILLARS OF OUR EFFORTS***

Overview

The William Novick Global Cardiac Alliance (NCA) entered 2022 with the hope that we could continue expanding our services to the children of low and middle-income countries (LMIC) following the disruptions forced on the world by the COVID pandemic. We made only 14 trips in 2020 and 2021. During this time, we operated on a total of 330 children in 5 different countries. Libya, Iraq, Russia, Ukraine, and Lebanon all received assistance during the 2 years of the pandemic.

Clinical Activities 2022

We added 2 new countries in 2022, Ecuador and the Democratic Republic of Congo, and stopped our assistance to Russia secondary to the invasion of Ukraine. However, despite the war, we continued our program developing pediatric cardiac services in L'viv, making 4 trips after the invasion began on February 24th.

Jan	2022	Q1	Lviv	Ukraine
Feb	2022	Q1	Quito	Ecuador
March	2022	Q1	Lviv	Ukraine
April	2022	Q1	Lubumbashi	DRC
May	2022	Q2	Rashaya	Lebanon
May	2022	Q2	Basra	Iraq
June	2022	Q2	Lviv	Ukraine
June	2022	Q2	Basra	Iraq
Aug	2022	Q3	Rashaya	Lebanon
Aug	2022	Q3	Basra	Iraq
Sept	2022	Q3	Lviv	Ukraine
Sept	2022	Q3	Lubumbashi	DRC
Oct	2022	Q4	Basra	Iraq
Nov	2022	Q4	Benghazi	Libya
Dec	2022	Q4	L'viv	Ukraine

We completed the year with our annual Christmas trip, this time to L'viv. Dr. Novick substituted as Santa and 2 of our ICU nurses were Santa's Elves. The children received presents and sang a number of Ukrainian Christmas carols.



A total of 261 children received surgery in 2022 and an additional 35 received interventional procedures in the catheterization laboratory (L'viv only). The overall mortality for surgical cases in 2022 was 3.1%, well within the range of the programs in the US participating in the Society of Thoracic Surgery Congenital Heart Surgery Database.



Research and Academic Pursuits

We have actively pursued improving the care of children in LMIC by evaluating our results, and the results achieved by the countries we assist. Analysis of the data we collect allows us to evaluate progress in these countries. Moreover, we are active in assessing the financial benefits that come when a country can care for their children with heart disease, rather than spending funds to send them abroad. Ethical principles must be adhered to in research activities, and we are cognizant that cultural issues vary and absolutely must be respected. The scope of our research and academic pursuits in 2022 are below.

Presentations at Major International Conferences in 2022

1. **Major Post-Operative Complications and Mortality in Pediatric Cardiac Surgery. Surgeon Specific, Patient-Specific, or Healthcare System Attributable?** Cardarelli, Polivenok, Pietvok, Fleischer, Jolda, Novick. World Society Pediatric Congenital Heart Surgery 7th Scientific Meeting, Marrakesh, Morocco, June 2022.
2. **Pediatric Cardiac Surgery in Conflict Zones: Refugee Children Deserve Access to Pediatric Cardiac Surgery.** ACAIM 2022 Annual Conference, Philadelphia, June 9-12, 2022. Novick, WM.

Peer-Reviewed Publications

1. **Prevalence of Critical Congenital Heart Disease During Humanitarian Missions.** Cardarelli, Igor Polivenok, Chadikovski, Aboodi, Mindel, Koroson, Goobha, Novick. ***Journal Humanitarian Cardio-Vascular Medicine 2022***
2. **Cost-Effectiveness of Small Country Program Development.** Cardarelli, Chadikovski, Novick. ***Journal Humanitarian Cardio-Vascular Medicine 2022***
3. **Early and long-term results of ventricular septal defect repair in children with severe pulmonary hypertension and elevated pulmonary vascular resistance by the double or traditional patch technique.** Oleksandr Golovenko, Vasyl Lazorhyshynets, Liliya Prokopovych, Yaroslav Truba, Thomas DiSessa, William Novick. ***European Journal of Cardiothoracic Surgery. Volume 62, Issue 2, August 2022.***
4. **Ukraine: a cardiac surgical perspective.** Novick WM, Mavroudis C, Jacobs JP, and Karl TR (2022) ***Cardiology in the Young 32: 513. doi: 10.1017/S1047951122001317***

Book Chapters

1. M. Cardarelli. **Cardiac Surgery Capacity Development in Low- and Middle-Income Countries.** Editor: Jacques Kpodonu, MD, FACC. Springer International Publishing. Switzerland. ISBN 978-3-030-83863-8, 2022
2. Vervoort D, Novick WM, Pezella T. **Costing and Health Systems Financing of Global Cardiac Surgery.** *Cardiac Surgery Capacity Development in Low and Middle-Income Countries.* J. Kpodonu, editor, Springer. 2022.
3. Novick WM. **Ethical Considerations for Global Pediatric Cardiac Surgical Assistance Programs.** *Bioethics in Medicine and Society.* 202, DOI: <http://dx.doi.org/10.5772/intechopen.96599>.
4. Novick WM. **Hypoplastic Left Heart Syndrome: Treatment Options.** In *Congenital Heart Disease in Pediatric and Adult Patients: Anesthetic and Perioperative Management.* Dabbagh, Lubin and Conte eds. Springer (in print),
5. Novick Wm, Cardarelli. **Pediatric Cardiac Surgery in Emerging Countries.** In *Congenital Heart Disease in Pediatric and Adult Patients: Anesthetic and Perioperative Management.* Dabbagh, Lubin, and Conte eds. Springer (in print).



Finances

WILLIAM NOVICK GLOBAL CARDIAC ALLIANCE
STATEMENTS OF FINANCIAL POSITION
December 31, 2022

<u>ASSETS</u>	
CURRENT ASSETS:	
Cash and equivalents - unrestricted	\$ 466,716
Medical supplies inventories	673,088
Total current assets	<u>1,139,804</u>
PROPERTY AND EQUIPMENT:	
Medical equipment	68,951
Furniture and equipment	10,984
Total property and equipment, at cost	79,935
Less accumulated depreciation	(25,858)
Property and equipment - net	<u>54,077</u>
TOTAL ASSETS	<u>\$ 1,193,881</u>
<u>LIABILITIES AND NET ASSETS</u>	
CURRENT LIABILITIES:	
Accounts payable	\$ 10,478
Accrued payroll payable	-
Payroll taxes payable	-
Short-term note payable	126,871
Total current liabilities	<u>137,349</u>
NET ASSETS:	
Temporarily restricted	673,088
Unrestricted	383,446
Total net assets	<u>1,056,534</u>
TOTAL LIABILITIES AND NET ASSETS	<u>\$ 1,193,883</u>

WILLIAM NOVICK GLOBAL CARDIAC ALLIANCE
STATEMENTS OF ACTIVITIES
YEAR ENDED DECEMBER 31, 2022

CHANGES IN NET ASSETS

REVENUES:

Program Services Revenues:

Contributions and grants
Contributions and Grants - International
Contributions - in-kind - medical services
Contributions - in-kind - medical supplies

Total Program Services Revenues

Fundraising Activities - Special Events

TOTAL REVENUES

NET ASSETS RELEASE OF RESTRICTIONS

EXPENSES:

Program services
General and administrative
Fundraising

TOTAL FUNCTIONAL EXPENSES

INCREASE (DECREASE) IN NET ASSETS

NET ASSETS, BEGINNING OF PERIOD

NET ASSETS, END OF PERIOD

	UNRESTRICTED	RESTRICTED	TOTAL
\$	869,458	\$ -	\$ 869,458
		\$ 1,122,478	\$ 1,122,478
	-	1,045,765	1,045,765
	-	493,672	493,672
	869,458	2,661,914	3,531,372
	-	-	-
	869,458	2,661,914	3,531,372
	2,492,008	(2,492,008)	-
	2,939,089	-	2,939,089
	75,244	-	75,244
	141,191	-	141,191
	3,155,524	-	3,155,524
	205,943	169,906	375,849
	177,503	503,182	680,685
\$	383,446	\$ 673,088	\$ 1,056,534

WILLIAM NOVICE GLOBAL CARDIAC ALLIANCE
STATEMENT OF FUNCTIONAL EXPENSES
YEAR ENDED DECEMBER 31, 2022

	<u>Program Services</u>	<u>Management and General</u>	<u>Fundraising</u>	<u>Total Expenses</u>
Advertising	\$ -	\$ -	\$ 129,955	\$ 129,955
Bank fees	4,637	926	-	5,563
Contract services	-	-	-	-
Doanations	-	-	-	-
Dues & Subscriptions	1,476	1,956	-	3,432
Fundraising	-	-	4,698	4,698
Legal & Professional	-	6,337	-	6,337
Medical contract services	327,744	-	-	327,744
Medical services	1,050,768	-	-	1,050,768
Medical travel	701,193	-	-	701,193
Medical supplies	475,704	-	-	475,704
Medical - other	26,308	-	-	26,308
Meals and meetings	-	406	-	406
Office exepneses	9,806	12,631	2,133	24,570
Rent - office	12,893	25,785	4,298	42,976
Repairs & Maintenance	-	-	-	-
Salaries and benefits	321,655	27,022	-	348,677
Taxes & Licenses	-	-	-	-
Travel	-	-	-	-
Total functional expenses before depreciation	2,932,183	75,064	141,083	3,148,331
Depreciation	6,905	180	108	7,193
TOTAL FUNCTIONAL EXPENSES	\$ 2,939,089	\$ 75,244	\$ 141,191	\$ 3,155,524
	93.14%	2.38%	4.47%	

As stewards of your donations, we endeavor to minimize administrative and fundraising costs so that most funds are utilized to provide children with life-saving operations and education to the local healthcare professionals to build capacity and sustainability in LMIC. Developing independently functioning pediatric cardiac care centers is paramount in redefining the deficits in LMIC for pediatric cardiac care.

Volunteers

While our core team of pediatric cardiac specialists is essential to our ability to cover multiple countries, sometimes simultaneously it is the volunteers that donate their time and expertise that allows us to cover multiple countries annually.

116 volunteers and staff from Argentina, Australia, Belarus, Canada, Colombia, Germany, India, Iraq, Ireland, Italy, Lebanon, Macedonia, Pakistan, Portugal, Serbia, Spain, Switzerland, United Kingdom, Ukraine, and the United States traveled with NCA in 2022.



Financial Contributions

Individual Private Donors

\$0-\$100

281 Donors

\$101-\$500

105 Donors

\$501-\$1,000

7 Donors

\$1,001 -\$2,500

19 Donors

\$2, 501 - \$5,000

Keith Heibeson

Cova Brewing

General Atomics

Jeff and Sarah Goodman

Ali Dodge-Khatami

Sekhar Reddy

Jewish Communal Fund

\$5,001 -\$10,000

Eugene Nonko Family Fund

Manhattan Perry

Burr and Forman

Kuziak Family Fund

Bethany Wilson

\$100,000 or more

\$113,000

Anonymous Donor

Foundation Support

Chernobyl Children's International	\$182,263
Foundation Medical Centre Diamante	\$168,049
Laz Parking Charitable Foundation	\$148,504
Anonymous	\$50,000
Yao Yuan Sze Foundation/Joan Sun	\$25,000
Children of War Foundation	\$14,668
Tailwind Foundation/Warren Tichenor	\$10,000
Farhat Family Fund	\$5,000
Jewish Foundation of Memphis/Ronald and Anise Belz	\$1,500

Corporate Support

Venezia Hospital	\$120,000
Rageh Import and Export	\$120,000
Dan Newlin Injury Attys, Inc	\$100,000
City Center Parking/Somme Sahab	\$70,000
Agility, Inc	\$49,500
Shelby County Government	\$17,500
AFIC	\$10,000

Foreign Government Sponsored Programs

\$738,000

All of our donors contribute to our efforts to build sustainable pediatric cardiac care programs in low and middle-income countries. But you may not know how you are changing the lives of the children we operate on and the entire family. Mothers and fathers are no longer worried that their child's next breath will be the last. Siblings are thankful that their brother or sister can now be held or go outside and participate in playful activities. Your donations completely change the dynamics of the family and how they look at the future, one that just weeks before did not seem so clear. We are now seeing our former patients become mothers and fathers themselves, making you honorary grandparents! The 10,000 children we have operated on are now contributing to society as they age, and all because you provided the donations to help us *"Change the world, one heart at a time"*.

Thank you from all of us and the children your donations have saved and provided them with a future.

Wm. H. Norick M.D.

All the NCA team and volunteers



