



# ANNUAL REPORT

2017



GLOBAL HEALING

# MESSAGE FROM THE PRESIDENT



Thanks to YOU, our donors and volunteers, Global Healing is continuing to help doctors and nurses in Vietnam, Honduras, Haiti and Georgia change lives by delivering better access to healthcare for children and their families.

In 2017, with support from the IZUMI Foundation, we started an important new initiative in the Public Hospital Roatán to prevent hospital acquired infections. We began enrollment in our program, also supported by IZUMI, to promote exclusive breastfeeding in infants to 6 months of age in Roatán. A review of data from the Roatán Volunteer Pediatric Clinic (RVPC) showed that from 2006-2014, well child visits to the clinic increased from 6% of the total to 25%. That means more kids are getting checkups rather than going to the doctor only when they are sick, an important step of prevention.

In Haiti we began work under our ICCBBA grant to assist the blood bank in Hôpital Universitaire de Mirebalais with implementing their electronic blood management system. This effort is already paying off with more accurate and complete tracking of the blood products they produce.

In Vietnam we helped the nurses in the neonatal intensive care unit (NICU) at Vietnam National Children's Hospital (VNCH) to start a new skin care program designed to protect the delicate newborns in their unit. We also sponsored two Georgian doctors for training in the US.

Thanks to your incredible support, 2017 was our best Giving Tuesday fundraiser to date, raising \$42,496. With your help we will continue to support better healthcare for children in Vietnam and Honduras, safe blood for children and mothers in Haiti, and continue to make progress toward our long term goal of a comprehensive pediatric cancer center in Georgia.

Sincerely,

John J. Donnelly, PhD

THANK YOU FOR SUPPORTING GLOBAL HEALING.



YOU ARE MAKING A DIFFERENCE IN THE WORLD!





Caring for a child after cardiac surgery at the Jo Ann Medical Center (JAMC) in Georgia.

## OUR VISION

A WORLD WHERE ALL CHILDREN AND MOTHERS WITH LIFE-THREATENING CONDITIONS ARE CARED FOR BY LOCAL, SKILLED HEALTHCARE PROFESSIONALS.

## OUR MISSION

GLOBAL HEALING TRAINS PHYSICIANS, NURSES AND MEDICAL LABORATORY PROFESSIONALS IN LOWER INCOME COUNTRIES TO IMPLEMENT CURRENT BEST PRACTICES FOR IMPROVED PATIENT CARE.

## OUR VALUES

- We work to close the gap in access to healthcare between developed and developing nations.
- We collaborate with local partners and medical experts to develop and implement our programs.
- We create sustainable improvements in patient care by empowering local healthcare professionals to know, do and teach current best practices.
- We foster strong partnerships and open communication between our medical volunteers and program participants to support learning during and between training sessions.
- We measure the impact of our programs both on the skills of our trainees and on the quality of care being provided.
- We undertake only adequately funded and supported projects that can deliver the highest quality outcomes to the people we serve.
- We go above and beyond to avoid bureaucratic waste and ensure that our resources are used efficiently.
- We recognize all who help us achieve our mission, and we value every contribution of money, time, talent, equipment, supplies and influence, no matter how small or large.

# VIETNAM

## Creating Hope & Health for Children

By Sarah Fernández, PhD | Global Healing Program  
Manager for Latin America and Southeast Asia

### People thrive by the goodness of others.

During my time in Vietnam, I am always struck by the openness, trust and dedication that make caring for the vulnerable children and newborns in the intensive care units (ICUs) possible. I want to share a success story with you. Simply describing a checklist and procedures won't quite get to the heart of the matter.



Nurse trainees on rounds at the NICU.

We work with ICU physicians and nurses at the Vietnam National Children's Hospital (VNCH). During our lunch breaks there is excited conversation and a sense of community that carries over into the daily work of these dedicated individuals. The children and newborn babies in the intensive care units where they work are among the sickest in the country. If a family is wealthy enough, they are able to pay for emergency care at the VNCH right away. More often than not, however, these sick children are also poor and have been slowly referred through a national system in order to receive the care they need. They arrive at the VNCH in critical condition and with little hope. Mothers apprehensively send their newborn babies and small children off with the nurses, placing hope for their child's survival in the hands of the dedicated hospital staff.

When you enter the ICUs, there is a loud hum from the ventilators that keep the children alive. Breathing tubes fill their airways with oxygen and IV lines drape across the beds. Some of the patients are impossibly small, swallowed up by the size of their beds. On one of our training trips, we identified a need for training in the management of bed sores. Lying there, immobilized, these children were suffering unnecessarily, developing skin ulcers as a result of their hospitalization.

### We knew that a change was necessary – and possible.

Many of the nurse trainees have worked tirelessly for decades at the hospital. Yet, they come to our sessions eager to learn best practices from our volunteers. Still, we're apprehensive about implementing a new checklist for care. We are asking them to re-approach a problem, to take new steps in a job they have been doing for many years.

It's a small shift. Perhaps many of us take for granted that if our children, or our loved ones' children, were ever in the hospital, they would have all the care they needed. Here in the U.S., we face our own healthcare challenges. As I think about what's in store for the future, I also think about the children in the ICUs in Vietnam.

They, too, face an uncertain future, struggling to survive. In spite of the many unknowns, I am able to take solace in the small change that I have just witnessed.

The generosity and determination of our volunteers to share the knowledge they have with others. The dedication and openness to change that I see in the trainees who participate in our program. Support from individuals around the world, who have donated to make this program possible.

**The hope of families that their children will lead healthy, full lives – and thrive.**

**Together, and with a shared sense of purpose, we have made a small difference, eased suffering and created hope.**



Nurses at a training session with Global Healing volunteer Tanya Kamka.



# HAITI

## Training for the Blood Bank in Mirebalais

Global Healing is currently focusing on establishing quality systems in the blood bank at Hôpital Universitaire de Mirebalais (HUM) and training the blood bank volunteers on transfusion medicine topics and skills relevant to the Haitian patient population.

When Global Healing trainers departed from Haiti in Spring 2017, the HUM Blood Bank was taking a major step in its transition from recordkeeping on paper to an industry standard computerized recordkeeping system.

Using the new computerized system, the hospital will be able to better maintain inventories, ensure that the correct blood is given to the correct patient, and track transfusion reactions. Thanks to the data recorded in this system we know that in the fourth quarter of 2017 the Blood Bank collected 467 units of blood and issued out 287. Global Healing and HUM will be able to build upon their new capabilities to continuously improve quality and monitor trends in future years. In October, we provided three French-speaking volunteer trainers from Hema-Quebec in Montréal, Canada: Pathologist Dr. Benjamin Rioux-Massé, and laboratory scientists Nadia Baillargeon and Annie Jacques. Our trainers gave lectures and supervised practical exercises for the blood bank staff, nurses and residents in topics of quality management, component preparation, and the tracking and assessment of transfusion reactions.

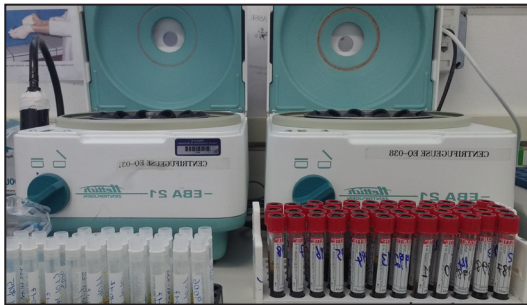


Global Healing volunteer Nadia Baillargeon training blood bank staff at HUM.

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# WORLDWIDE BLOOD SAFETY

## 2017 International Blood Safety Forum



On March 24, 2017, more than 90 experts in blood safety and international development from blood centers, industry, government, and international and nongovernmental organizations gathered in Arlington, Virginia, for the Third International Blood Safety Forum, co-sponsored by America's Blood Centers and Global Healing.

A report of the workshop, published in the journal *Transfusion* as a review article in May 2018 (58:1299-306), summarizes the presentations and major conclusions. The meeting explored ways to increase access to affordable, safe blood for low- and lower-middle income countries (LMIC) in an era when funding from the US

President's Emergency Plan for AIDS Relief (PEPFAR) and the Global Fund has been redirected from preventing the spread of HIV to diagnosing and treating the 25 million-plus people living with HIV in LMIC.



We followed up this conference with a webcast on December 6, 2017, that brought together three leaders from the international development community who spoke about their experiences improving global access to drugs and vaccines and their lessons learned that may apply also to improving access to safe blood. Melissa Malhame spoke about her experiences at the Global Alliance for Vaccines and Immunization, Dr. Thomas G. Evans spoke about his work with AERAS, the global alliance for TB drug development, and our own board member David Shultz spoke about his experiences leading PATH's global drug development organization.

Major themes for the speaker presentations included the importance of partnerships and of involving for-profit companies, foundations, international organizations, academic institutions and professional societies, as well as governments, in their successful efforts.

# HONDURAS

## Joel's Triumph: New Hope While Living With a Blood Disorder

Life is always challenging for a child living with a chronic medical condition. But it's particularly hard in places where healthcare resources are scarce.



Joel and his family with Dr. Scher & Kristiana Lehn. Joel was diagnosed at age 2, with a condition that caused his body to destroy its red blood cells. Global Healing and partners worked together to help provide the best treatment customized for his condition.

Joel, a young boy living on the island of Roatán in Honduras, was diagnosed at age two with a condition that caused his body to destroy its red blood cells, resulting in severe anemia and iron overload in his organs. Without ongoing treatment, Joel's life was at risk.

He required many medical interventions including blood transfusions every 15 days until his spleen was removed at age 5. Despite those interventions, Joel continued to experience critical symptoms.

Few resources existed on the island of Roatán and the mainland of Honduras to treat his condition. Once his spleen was removed, he no longer required blood transfusions, but his organs were still affected by the iron overload. His family had few options to help him.

Dr. Ligia Fu, Pediatric Hematologist at Hospital Escuela in Tegucigalpa, has followed Joel's case throughout his young life. Dr. Fu contacted Dr. Eric Scher, who has been involved with Global Healing's Roatán Volunteer Pediatric Clinic since its opening in 2003. A Pediatric Hospitalist at the Sutter Novato Community Hospital in northern California, Dr. Scher agreed with Dr. Fu that reducing Joel's iron overload was the top treatment priority.

To remove the excess iron, Joel needed a chelating agent medication, a chemical which binds to the iron and allows it to be excreted. In oral form the treatment is very expensive but a less expensive form, deferoxamine, can be given by injections or subcutaneously via a pump and catheter.

Dr. Scher secured a three-month supply of oral medications, which normally cost thousands of dollars, along with pumps to administer Joel's drugs subcutaneously later on— all donated by Children's Oakland Hospital. They also developed the training needed to teach Joel and his mother how to mix the medication in a sterile manner, place the catheter, and safely infuse the medication.

Dr. Hernán Sabio, a Pediatric Hematologist-Oncologist in Winston-Salem, North Carolina, and Professor of Pediatrics at the School of Medicine at Wake Forest University, stepped in to determine the extent of chelation therapy Joel needed. Dr. Sabio visited the mainland of Honduras and, with the assistance of Global Healing volunteer Kristiana Lehn, arranged for Joel and his mother to visit him in San Pedro Sula. There, Dr. Sabio examined Joel and drew blood for a test not available in Honduras which would let the team know how much chelation therapy was needed.

In addition to needing to know how to treat Joel, his family needed other support. Kristiana, a medical student at University of California at Davis, spent almost a year in Roatán with **support from her school, Global Healing, and the IZUMI Foundation** working on projects related to public health. She worked with Joel's family and guided them through obtaining social and medical assistance.

Joel is now getting the best treatment available for his situation, one that is customized for his condition, his location, and his family's needs. Dr. Scher continues to work with Dr. Fu in Tegucigalpa to train her and her staff for future cases requiring chelation therapy. "The collaboration of care was vital to our success," said Dr. Scher. "Joel requires complex care, and it was only made possible through the coordination of multiple specialists in both the United States and Honduras."

# VOLUNTEER SPOTLIGHT



## Casey Jereb: HEAL Internship Coordinator

In 2017, Casey Jereb became our new HEAL Internship Coordinator. Her role is to engage and support student interns volunteering at the Roatán Volunteer Pediatric Clinic (RVPC) through our Health Education & Advocacy Liaisons (HEAL) program.

After completing her undergraduate studies at UC Davis in Environmental Toxicology with a medical emphasis, Casey applied to volunteer at the Roatán Volunteer Pediatric Clinic (RVPC) in 2016. While she had been thinking about pursuing a career in medicine, her mind was not completely made up. She hoped her trip to Honduras would help her to make an important decision: whether to pursue toxicology or a career in medicine?

Beyond helping her make this big decision, volunteering at the clinic would also give her the opportunity to practice her Spanish language skills in a medical setting. Career development, language learning, and the chance to travel and experience a new culture made the program a great opportunity. With regards to her initial interest in volunteering with Global Healing, she says: “I don’t think I could have found a better program to fit my interests!”

So, eager to lend a helping hand, she headed to the RVPC in February 2017. As a HEAL intern, her daily responsibilities included greeting patients and families as they arrived at the clinic, managing patient records, keeping track of supplies, and coordinating the daily clinic schedule. She was able to play a vital role in the day-to-day operations of the clinic and provide support to children and families in need. The lasting connections that she made while volunteering really stand out for her, and she says: “One of the best parts about my volunteer experience was the people I met along the way.”

From the two NYU pediatric residents with whom she worked at the clinic each day, to a UCSF medical student involved in a pilot program to promote exclusive breastfeeding among new mothers, she considers herself exceptionally lucky to have met people who provided her with mentorship and guidance. In deciding her next steps for her education and career, she tells us: **“These women have inspired me to choose the medicine route, which was my biggest takeaway from my time in Roatán. It is exciting to think about my future!”**



When asked what her advice would be to others thinking about volunteering with Global Healing, she talks about the immersive nature of the HEAL internship: **“Since volunteers spend a month on the island, they are able to immerse themselves in the clinic, really get a feel for the island and gain a sense of community involvement. I truly believe interning with Global Healing allowed me to become more involved in medicine than I could have back in the U.S.”**

We share Casey’s excitement for the future. With her medical school applications underway, she will continue her involvement with Global Healing as the HEAL Internship Coordinator. Those interested in learning more about the program can reach out to her at [heal@globalhealing.org](mailto:heal@globalhealing.org).



**SHOUT OUT to former HEAL Internship Coordinator Will Yoakely for all that he has done to improve the health of children in Roatán. We are sincerely grateful and wish him the best of luck as he begins medical school!**

### About the HEAL Internship:

Global Healing’s Health Education & Advocacy Liaisons (HEAL) student internship is open to all advanced undergraduate students and recent graduates, providing a unique opportunity to experience pediatric medicine and community health through the Roatán Volunteer Pediatric Clinic (RVPC) in Roatán, Honduras. Learn more: <http://rvpc.globalhealing.org/heal/>



# REPUBLIC OF GEORGIA

## Global Healing Founder: Jo Ann McGowan

What started with one woman on a mission to save one child has led to countless children throughout the world receiving the life-saving care that would not have been possible without her compassion, energy, vision, and determination.



Jo Ann McGowan dedicated the later part of her life to ensuring that no child would die from a treatable congenital heart defect, and her legacy lives on in the work of the organizations she founded. **Global Healing continues to honor founder Jo Ann's legacy by bringing much-needed training and equipment to medical facilities in the developing world.**



Photo of Maria "Masha" Senotova looking in the mirror at Nordstroms in Walnut Creek, CA. Just one month earlier, Masha was too weak to leave her home. Photo credit: The Press Democrat, Jan. 15, 1989 & The Associated Press.

Jo Ann was inspired by one little girl named Masha. In 1981 Masha was born in the Soviet Union with a congenital heart defect which surgeons there did not have the skills to correct at that time.

Masha's mother Elena met Jo Ann McGowan in 1988 at an international film festival where they both were working. Knowing that the only hope for her daughter lay abroad, Elena sought out Jo Ann and pleaded for her help. Jo Ann pledged she would do everything possible to save Masha.

Once back home in the Bay Area, Jo Ann made contact with Dr. Nilas Young, Chief of Cardiac Surgery at Children's Oakland Hospital and told him about Masha. Dr. Young, sympathetic to the young girl's dire situation, agreed to perform the surgery and even arranged for the hospital to donate their expenses. The surgery Masha received in Oakland attracted a lot of media attention, both in the US and in the Soviet Union. Not only was it highly unusual for a Soviet child to come to America to receive medical treatment, it was also a testament to the power of two people working together to save the life of a child.

As a result of the media coverage, Jo Ann soon started receiving hundreds of letters from parents all over the Soviet Union, begging her to save the lives of their children, too. In 1989 she went back, this time with a team of medical professionals skilled in pediatric cardiac surgery, a skill still lacking throughout the Soviet Union.

**"When we left I was completely and totally exhilarated. I knew that we were going to be doing something that would change the face of medicine in Russia," Jo Ann later recalled.**

While working in Leningrad, Jo Ann met an ambitious and talented cardiac surgeon from Tbilisi, Georgia, named Irakli Metreveli. Irakli dreamed of bringing pediatric cardiac surgery to his country, and he found the ally he needed in Jo Ann. Global Healing was founded to bring pediatric cardiac surgery to the Republic of Georgia. With the help of Jo Ann and Global Healing, Irakli became Georgia's first congenital heart surgeon and helped found a medical center specializing in the treatment of newborns and children with heart defects.

Following Jo Ann's death in 1996, this cardiac center was renamed the Jo Ann Medical Center in her honor. Twenty-two years later, the Jo Ann Medical Center is providing world-class cardiac care to both children and adults and is now set to embark on an ambitious new program to bring comprehensive cancer care to children in Georgia.

**At Global Healing we are still transcending borders and creating bridges between people united by the mutual goal of saving lives.**



On Feb. 14, 2009, Masha Senotova meets ABC7 news anchor Carolyn Johnson in Oakland, CA. Photo credit: Mike Rosati Photography [www.RosatiPhotos.com](http://www.RosatiPhotos.com)



# 2018 AIMS & OBJECTIVES

**Thanks to the generous support of our donors, especially the IZUMI Foundation and the ICCBBA, we were able to start several important new initiatives in 2017.**

These include an extension of our Haiti program to support implementation of electronic recordkeeping in the Hôpital Universitaire de Mirebalais (HUM) Blood Bank, establishment of a new hand hygiene and infection control program at Public Hospital Roatán, and a pilot program using text messaging to promote exclusive breastfeeding by new mothers on Roatán. The trainers that we trained in our Vietnam program are ready to begin training the satellite hospitals of the Vietnam National Children's Hospital (VNCH). The JoAnn Medical Center (JAMC), with the support of partners Global Healing and St. Jude Children's Research Center, completed planning for their new comprehensive childhood cancer center and are ready to embark on fundraising and construction. Thus 2018 sees us working hard to bring the promise of 2017 to reality.



## Vietnam National Children's Hospital (VNCH)

- Complete NICU Nurse and PICU MD phases of training program
- Assist VNCH staff with training for satellite hospitals
- Conduct assessment of VNCH Blood Bank to prepare for a new program of assistance

## Hôpital Universitaire de Mirebalais (HUM), Haiti

- Complete training for new blood bank staff
- Complete implementation of electronic blood bank recordkeeping system
- Provide training for nursing staff on recognition and reporting of adverse events related to blood transfusion
- Provide training for medical staff on immunohematology and appropriate clinical uses of blood

## Roatán Volunteer Pediatric Clinic (RVPC), Honduras

- Complete intervention phase of Roatán Exclusive Breastfeeding Project
- Establish Hand Hygiene program at Public Hospital Roatán
- Bring at least 5 resident physicians, 5 attending physicians, and, 4 HEAL interns to the RVPC

## JoAnn Medical Center (JAMC), Republic of Georgia

- Complete planning for new Comprehensive Pediatric Cancer Center
- Begin fundraising campaign for cancer center construction

# 2017 VOLUNTEERS

## Global Blood Safety

Christine Bales  
 Linda Barnes  
 Imelda Bates  
 Evan Bloch  
 Marcia Cardoso  
 Armelle Cooray  
 Matt Delgado  
 John Donnelly  
 Bakary Drammeh  
 Mabel Ino Ekanem  
 Thomas G. Evans, MD  
 Lori Gabrek  
 Roberto Garza  
 Christa Gouws  
 Jerry Holmberg  
 Daniel Kimani, MD  
 Jim MacPherson  
 Melissa Malhame  
 Murat Merdal  
 Nina Mufti  
 Alexandra Nielsen  
 Nathan Neilsen, MD  
 John Pitman  
 Ravi Reddy, MD  
 David Shoultz, PhD  
 Zbigniew M. Szczepiorkowski  
 Jeroen van den Bossche  
 Peter J.K. Zacharias



Global Healing volunteer Dr. Karen Lidsky with PICU physician trainers at the VNCH in August.

## Honduras

### Surgery

Armando Sánchez, MD  
 Enrique Tomé, MD

### Pediatric Residents

Chelsea Kadish, MD  
 Mary Grady, MD  
 Brian Forster, MD

### Pediatric Attendings

Eric Scher, MD  
 Diane Siegel, MD

### HEAL Interns

Casey Jereb  
 Kristiana Lehn  
 Alessandra Scher  
 Vivian Lia Thompson

## Vietnam

Tanya Kamka  
 Karen Lidsky, MD  
 Colin Partridge, MD, MPH

## Haiti

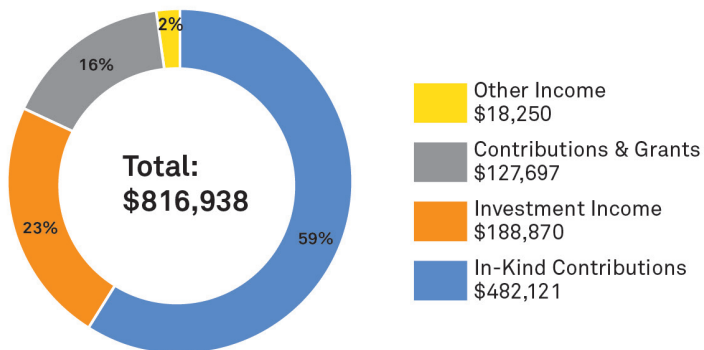
Nadia Baillargeon  
 Annie Jacques  
 Benjamin Rioux-Masse, MD

## Partners sponsored by Global Healing for Training in USA

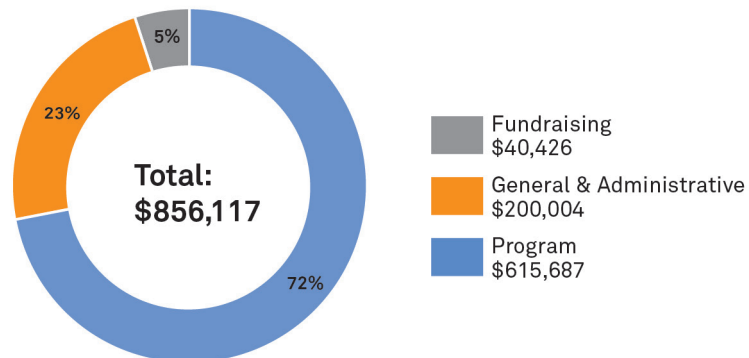
Levan Avalishvili  
 Mamuka Gventsadze, MD

# FINANCIALS

## 2017 Income



## 2017 Expenses





# 2017 SUPPORTERS

Anonymous  
 Kristin Bedell  
 Nell & Nelson Branco  
 Ann Burkhardt  
 Janis Cruz  
 Molly Cushing  
 John Donnelly  
 Dave & Dana Dornsife  
 Ileana Funez  
 Dr. Chris & Monique Gresens  
 David Jenkins  
 Rachel Kindt  
 Gerald Klatz  
 Eleanor Krassen Covan  
 Francesca Lamb  
 Regina Leung  
 Margaret Liu  
 James MacPherson  
 David Marinoff  
 Mary & Bob Marshall  
 John Martins  
 Jean Mettler  
 Alexander Rolph Moore  
 Mary Ellen Petrisko  
 Frederick Regel  
 Josephine Scholten  
 Harriet Simpson  
 Erma Sobol

Jean Stanley  
 Steve Szczepanski  
 Mulumbet Teka  
 Andrew Tenenbaum  
 Elan Weiner  
 Steve Yedlin

## Global & Regional Initiatives

Cerus Corp  
 Helmer Scientific  
 Terumo BCT

## Haiti

Helmer Scientific  
 ICCBA  
 IZUMI Foundation

## Honduras

Dr. Howard & Alice Gruber  
 IZUMI Foundation  
 MedShare  
 Traveling Toothbrushes  
 VIDA USA

## Republic of Georgia

Helmer Scientific

## Vietnam

Francesco Berlanda Scorza  
 Joe Carlino  
 Janis Cruz  
 Lisa Danzig  
 Weylin Eng  
 Alan Fix  
 Marty Giedlin  
 Nicolle James  
 David Marinoff  
 Mary & Bob Marshall  
 Tessie McNeely  
 Amanda Osborn  
 Kim Phuong-Davis  
 Jane Rutledge  
 Steve Szczepanski  
 Aldo Tagliabue  
 Yasushi Uematsu  
 Sheldon Whitten-Vile  
 Gary Wong

\*Supporters with donations over \$100 received between July 1, 2017 - Dec. 31, 2017.

# 2017 BOARD of DIRECTORS



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Board Member



Francesca Lamb  
Board Member



Arup Roy-Burman  
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Lori Gabrek  
Board Member



David Marinoff  
Board Member



Elan Weiner  
Board Member



Alice Gruber  
Secretary



Sumita Ray  
Board Member

# GLOBAL HEALING VOLUNTEERS CHANGE LIVES



**17** Program  
Volunteers

**13** Program  
Trips 

**712** Hours of  
Training



## THE IMPACT

**\$286,200** Professional  
Services Donated

### LOCAL PARTNER INSTITUTIONS PROVIDED:

**HAITI 1,800**  Units of Safe Blood at HUM

**HONDURAS 2,800**  Outpatient Visits at RVPC

**GEORGIA 5,442**  Units of Safe Blood at JAMC

**VIETNAM 365**  Days of Patient Care at VNCH



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