

# HAITIAN AMPUTEE MOTHERS ALLIANCE

RESTORING HOPE, ONE MOTHER AT A TIME

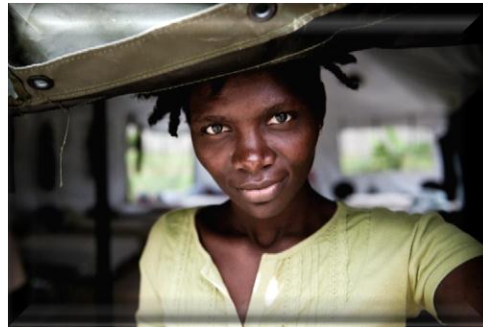
*a non-sectarian project in collaboration with  
the Village of Vision Haiti Foundation  
& Foundation Enfant Jesus*

December 2010



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# WHO HAMA IS WORKING FOR

They are **PEOPLE**

They are **WOMEN**

They are **DAUGHTERS**

They are **SISTERS**

They are **MOTHERS**

They are **PROUD**

They are **STRONG**



And they are **amputees**, asking for nothing more than the chance to mother their children and regain the power to live independent, dignified lives.

# BACKGROUND

- On January 12, 2010, a devastating 7.0-magnitude earthquake struck the nation of Haiti, leaving a trail of destruction in its wake.
- It is estimated that between 2,000 and 8,000 amputations were performed in the days and weeks that followed in an effort to save the lives of those with limbs that could not be salvaged.<sup>1</sup> More are inevitable as infections continue to claim damaged limbs.
- The *Village of Vision For Haiti / Foundation Enfant Jesus (V-V-H-F)*, founded over 20 years ago by Gina and Lucien Duncan to promote the education and health of children and families living in rural villages of Haiti, has agreed to take in approximately 60 mothers who have become amputees as a result of the earthquake, along with their children.<sup>2</sup>
- The *Haitian Amputee Mothers Alliance (HAMA)* was founded to provide leading-edge integrated prosthetic treatment to these women, empowering them to lead productive, fulfilling and independent lives.

<sup>1</sup> Sontag, Deborah. "Countless Lost Limbs Alter Life in Haiti's Ruins." *The New York Times*, February 22, 2010.

<sup>2</sup> While not all beneficiaries will be mothers, preference is given to unmarried women with children during the selection process.

# MISSION

*HAMA* is dedicated to providing high-quality prosthetic limbs to the approximately 60 amputee mothers in the *V-V-H-F* program, along with the fitting, treatment, training, education, maintenance and support necessary to allow these women to integrate their new limbs into their new lives.

We will provide each mother with a comfortable, high-quality, adjustable prosthesis designed and custom built especially for her and best suited to her particular needs.

Our materials, treatment and support will be provided in accordance with the leading-edge integrated care model pioneered in the US prosthetic community.

Our goal is to provide the inspiration, knowledge, materials and care that will enable each amputee mother who enters the prosthetic rehabilitation program to leave with the tools necessary to lead an active, fruitful and productive life.

# PROJECT OVERVIEW

Women will be admitted to the program and treated in tranches of 20. Each amputee will receive the necessary preparatory prosthesis to begin ambulation and allow her to return to self-sufficiency. This will be followed by the physical therapy, occupational therapy, gait training and education required to maximize the use of her preparatory and permanent prostheses.

Participants will have prosthetic follow-ups from the Peak Prosthetic Design team as well as interim care provided by local technicians that will be trained by Peak Prosthetics.

After the mother's limb has atrophied and stabilized in size, she will receive her custom composite socket. The hardware and components from the preparatory limb will be transferred to the new composite socket, which will be custom-built to withstand the harsh Haitian environment.



## PROJECT OVERVIEW (cont.)

*HAMA* will continue to monitor, adjust and maintain each mother's prosthesis throughout its useful life (estimated at 3-5 years minimum) through quarterly visits and the training of on-site technicians.

*HAMA* will be providing a training program to educate and train locals in the technical and clinical aspects of prosthetics. They will receive training during the Peak Prosthetic Design visits and have the opportunity for an intensive training program at the Peak Prosthetic Design facility in Salt Lake City, Utah. The prosthetic training program is intended to result in a full-time prosthetic care facility at *V-V-H-F* staffed with local technicians serving the wider Haitian amputee community. The project includes funding to pay local technicians for their work on *HAMA* patients during the maintenance phase.

At the same time, *V-V-H-F* will be tending to the holistic needs of each amputee and her children by providing housing, meals, mental health, grief counseling, nutrition/health education, vocational training and craft training during the rehabilitation process. *V-V-H-F* will also be providing job placement, arts and crafts outlets, micro-lending and local business development.



# TEAM

Joe Mahon, CP

Clinic Director and Chief Prosthetist

Peter Springs, CPO

Clinical Prosthetist & Orthotist

Justin Kuntze

Prosthetic Technician

Kyle Foye

Prosthetic & Orthotic Technician

Stacey Turner, PT, DPT

Physical Therapy & Rehabilitation  
(Univ. of Utah Rehabilitation Center)

Gina Duncan

V-V-H-F Founder & CEO; HAMA advisor

Suzanne Mahon Gurry,  
Sonny Garg,  
Maggie Grant &  
Eric Gurry

Project Management & Fundraising

# TEAM (cont.)

**Joe Mahon** is a leader in the field of prosthetic design with a long history of providing both prosthetic care and training to the people of Haiti. Joe is currently the clinical director, president and founder of Peak Prosthetic Designs in Salt Lake City. Joe has extensive experience in prosthetic socket design, prosthetic fabrication and clinical patient care. In addition to his clinical work, Joe is focused on leveraging his hands-on experience to raise the bar in prosthetic design, with 3 patent-pending prosthetic devices to his credit. Before founding Peak Prosthetic Designs, Joe was the clinical manager at Ability Prosthetics, a full service patient care and fabrication facility, specializing in complex prosthetic design and emerging technology. Prior to Ability, Joe was a prosthetic resident at the Shriners Hospital in Los Angeles and the VA hospital in Long Beach. Joe is a board certified prosthetist (CP) and graduated first in his class with honors from the California State University Prosthetic Program after receiving his BA from Albion College. Joe has been volunteering in Haiti since 2001, training staff at the Healing Hands for Haiti prosthetic facility in Port Au Prince. Joe was instrumental in establishing the country's first prosthetic lab and has since fabricated limbs for, fit and trained countless Haitian amputees.

**Gina Ferrus Duncan** has devoted her life to improving the lives of Haitians by giving them the tools they need to live and prosper, demanding a strong work ethic and instilling a sense of personal responsibility. Born on the island but leaving at the age of four as political unrest forced her parents to flee, Gina returned after her post-graduate studies with a sense of purpose. A stint as a nurse in Port-au-Prince highlighted the disturbing disparity in care versus the USA and the general lack of training received by those working there. After founding and running a home for senior citizens and assisting with a home for handicapped children abandoned by the state, Gina was instrumental in founding and running Healing Hands for Haiti, a non-profit NGO dedicated to the principle that the best way to serve the people of Haiti is to enable them to serve themselves. *HHFH* continues to leverage the efforts of foreign volunteers to provide an astounding level of medical care and education in Haiti to this day. She left *HHFH* to found and run Village of Vision for Haiti Foundation, aiming to promote education, health and community development among the children and families living in rural villages of Haiti. *V-V-H-F* serves thousands of meals each day, provides medical care to thousands of Haitians with its community clinic and mobile medical facility, retrains adults with a goal of self-sufficiency and runs a primary school for the benefit of village children. Gina has a dual BS in Social Sciences and Nursing from Dawson College, received a CCA in Counseling Studies from the Johnson Institute and studied at the Boston University School of Public Health.

# TIMELINE



- Treat first tranche of women:
- Patient evaluations
- Fittings
- Fabrication & delivery of interim prostheses
- Therapy & training
- Clinical work
- Permanent prosthesis fabrication & delivery

- Treat second tranche of women (see first tranche)
- Follow-up adjustments for first tranche
- Fittings as needed for first tranche
- Supplemental training for first tranche

- Treat third tranche of women (see first tranche)
- Follow-up adjustments for second tranche
- Fittings as needed for second tranche
- Supplemental training for second tranche

- Maintenance & repair
- Follow-up adjustments as needed
- Fittings as needed
- Supplemental training as needed
- Ongoing training of local technicians
- Estimated that 60% of women will return to Lamardelle for maintenance work

Note that there will be overlap in the residency and treatment of women who enter the program in different tranches.

# COST OVERVIEW

## ASSUMPTIONS

### Patient Assumptions

# of Patients	60
% Above Knee/Elbow	50%
% Below Knee/Elbow	50%
% Double Amputees	20%
# of Prostheses	72

### Unit Cost Assumptions

Above Knee/Elbow Materials	2,198
Below Knee/Elbow Materials	1,666
Above Knee/Elbow Cash Labor	324
Below Knee/Elbow Cash Labor	312
First Year Maintenance Cash Labor	45

### Maintenance Assumptions

% Maintained On-Site Yrs 2-6	60%
Annual Maintenance Yrs 2-6 - Materials	225
Annual Maintenance Yrs 2-6 - Labor	90

### Travel & Misc Assumptions

Travel Cost Per Visit	1,200
# Visits During Treatment Phase	16
# Visits During Maintenance Phase	8
Misc / Contingency (% of direct costs)	10%
Admin \$/month (x 24 months)	250
Shipping Costs (total)	1,500

## COST ESTIMATES

### Treatment Phase Costs

Above Knee/Elbow Prostheses	90,792	44%
Below Knee/Elbow Prostheses	71,208	35%
First Year Maintenance Labor	3,240	2%
Misc / Contingency	16,524	8%
Total Direct Prostheses Costs	181,764	88%
Travel	19,200	9%
Shipping	1,500	1%
Administrative Costs	3,000	1%
Total Other Costs	23,700	12%
<b>Total Treatment Phase Costs</b>	<b>205,464</b>	100%
Avg Cost / Prosthesis	2,854	(72 prostheses total)
Avg Cost / Patient	3,424	(60 patients total)

### Maintenance Phase Costs

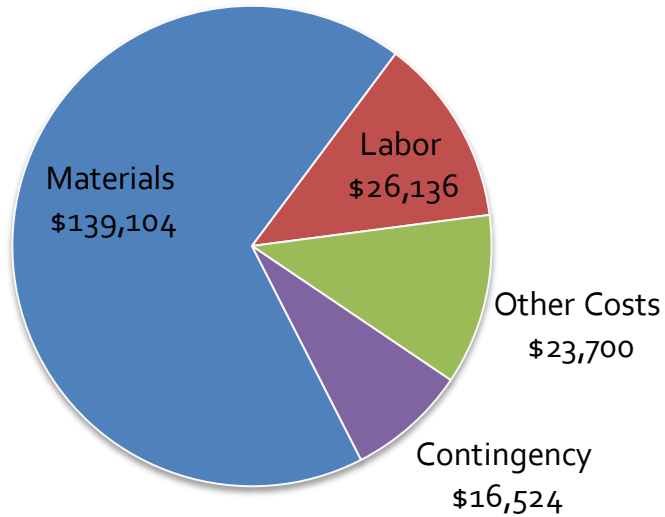
Annual Materials	9,720	60%
Annual On-Site Labor	3,888	24%
Total Annual Direct Maintenance Costs	13,608	84%
Annual Travel	1,920	12%
Annual Administrative Costs	600	4%
Total Annual Other Costs	2,520	16%
Total Annual Costs	16,128	100%
Prosthesis Lifespan (est.)	5	
<b>Total Maintenance Phase Costs</b>	<b>80,640</b>	
Avg Cost / Prosthesis	1,867	(43 prostheses total)
Avg Cost / Patient	2,240	(36 patients total)

### Total Project Costs

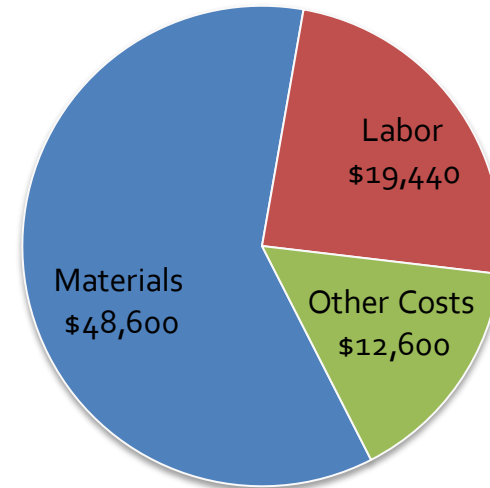
Treatment Phase (Year 1)	205,464	72%
Maintenance Phase (Years 2-6)	80,640	28%
<b>Total Project Costs</b>	<b>286,104</b>	100%

# COST OVERVIEW (cont.)

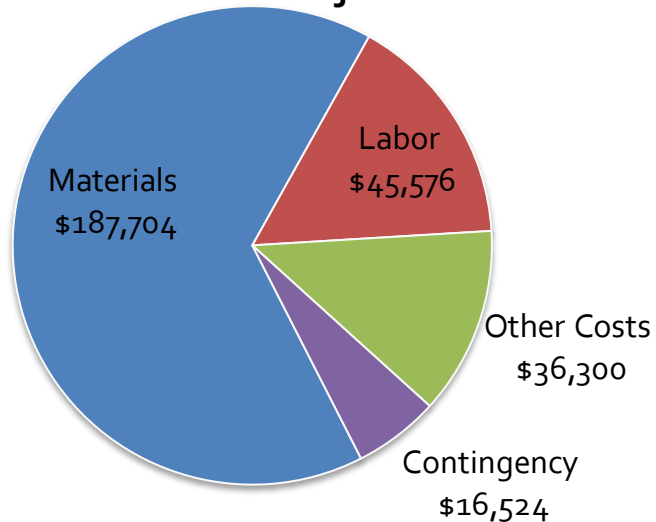
## Use Of Funds - Treatment Phase



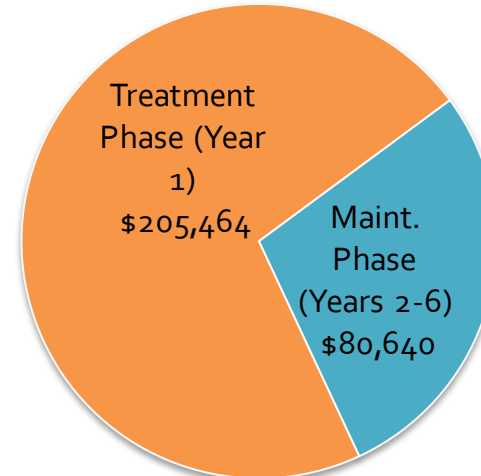
## Use Of Funds - Maintenance Phase



## Use Of Funds - Project Total

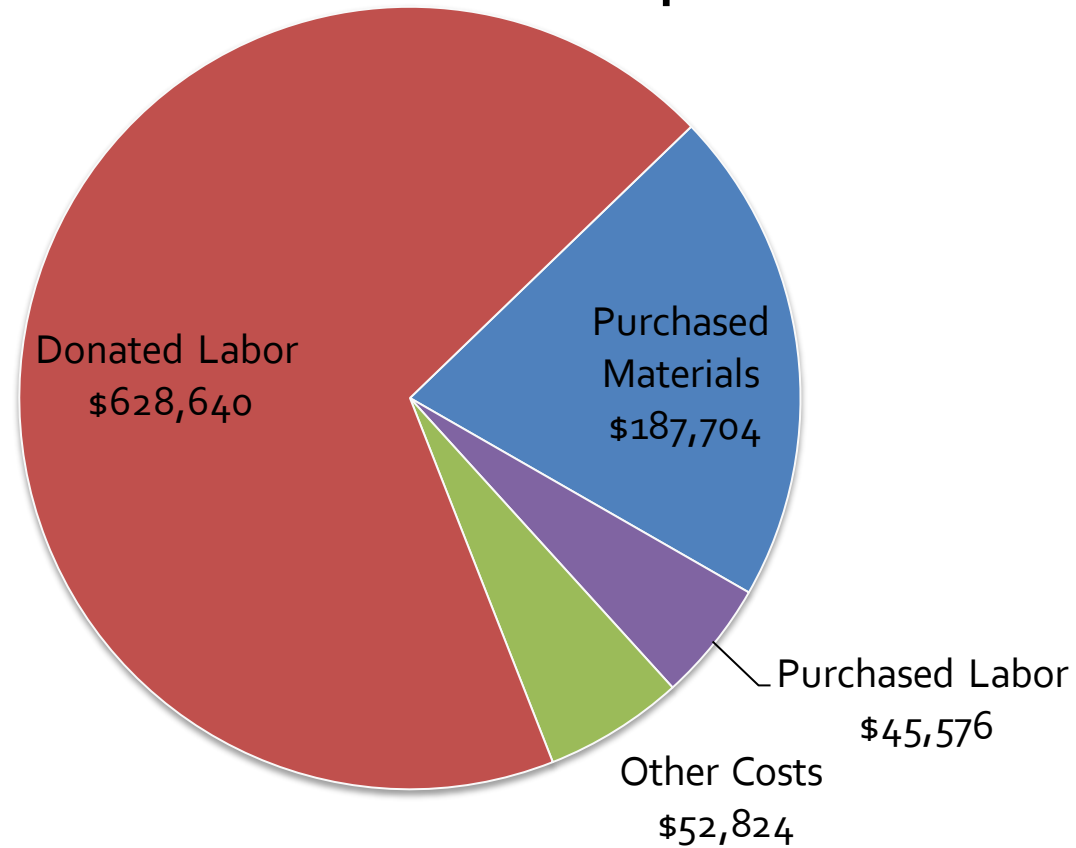


## Treatment vs. Maintenance Phases



# COST OVERVIEW (cont.)

## Purchased vs. Donated Components



# IMAGES: PORTRAIT OF A BENEFICIARY



**Marie Tana**

Age: 27

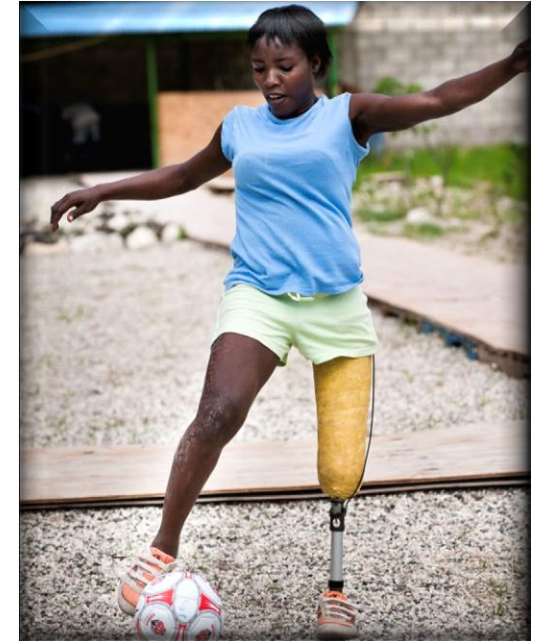
Marie Tana has four children, the youngest of which is 6-months old and living in the *V-V-H-F* orphanage because she is not yet able to care for her. Her parents quickly rescued the children from her collapsed home after the quake, but Marie Tana was not freed for days, by which point it was too late to save her crushed arm.



**Jacqueline**

Age: 54

Jacqueline lost her restaurant, three fingers on her left hand, her right arm, her husband and 11 of her 12 children in the quake. Despite the weight of that tragedy, she stands ready to regain control of her life and restart her business, with the help of *HAMA* and *V-V-H-F*.



**Chrislaine**

Age: 20

Chrislaine was trapped under her cousins body for 5 days after the quake. He made the ultimate sacrifice to protect her, allowing Chrislaine to emerge with her left leg crushed but her spirit intact. The first woman admitted to the *V-V-H-F* women's camp, Chrislaine has become the unofficial camp caretaker. She is seen above with her temporary prosthesis.

# IMAGES: V-V-H-F LAMARDELLE VILLAGE



Village of Lamardelle Main Building

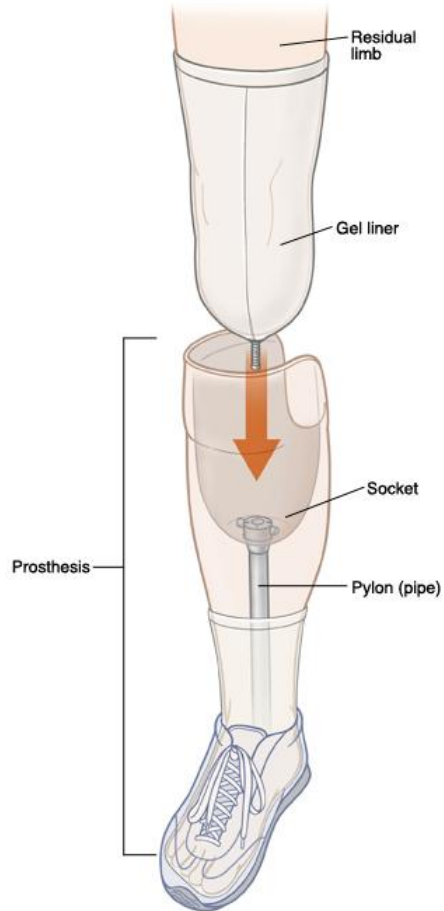


Residence Tents in the  
Women's Camp



Community School

# IMAGES: PROSTHETIC LIMBS



**Illustration of Below-Knee Artificial Limb**



**Above-Knee Components**



**Below-Knee Components**

# FAQ

## ***To what entity will donations be made?***

Donations will be made to *Village of Vision for Haiti Foundation Inc.*, a Florida not-for-profit corporation, and will be restricted for *HAMA* use, although a separate 501(c)(3) could be created to handle donations/disbursements if requested by significant donors.

## ***Will donations be tax deductible?***

Yes. *V-V-H-F* is registered as a 501(c)(3) not-for-profit with the IRS, eligible to receive tax-deductible contributions (FEIN 20-5525662). Donations will be acknowledged via appropriate documentation.

## ***How long has V-V-H-F been operating? What is the relationship with Foundation Enfant Jesus?***

For the past 20 years, *V-V-H-F* and *Foundation Enfant Jesus* have been developing Lamardelle, a small village community with a population of about 20,000 located near the town of Ganthier. *Foundation Enfant Jesus*, with the financial support and backing of *V-V-H-F*, is currently the sole provider of clean water for the community, runs an elementary school and feeding program for over 500 children, operates a crèche in a recently constructed facility for 80 children waiting to be adopted, and conducts a micro-lending program for 80 to 100 women in the area. In addition, *V-V-H-F* serves thousands of meals each day, provides medical care to thousands of Haitians with its community clinic and mobile medical facility, retrains adults with a goal of self-sufficiency and runs a primary school for the benefit of village children.

# CONTACTS

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*For more information regarding the  
Village of Vision Haiti Foundation,  
please visit [www.vvhf.org](http://www.vvhf.org)*

All photographs (except prosthetics & buildings) are courtesy of Sandra Wong Geroux