



Victoria Hand Project

- Annual Report -



2021

Table of Contents

1

CEO's Message

2

Our Mission

4

Our Partners

6

2021 Overview

8

Events

9

Recipient
Feature

10

Financials

11

Board of
Directors

12

Supporters



CEO'S MESSAGE

To the Victoria Hand Project Community,

While we have continued to live with the effects of the COVID-19 pandemic this past year, Victoria Hand Project and our partners have continued to meet with patients, provide prosthetic arms, and further our mission. The year began with high COVID case numbers around the globe and many of our international partners were not accepting in-person visits. Our team in Canada also had to limit our in-office staff to ensure the safety of everyone. Despite these challenges, our team and our partners have achieved many great milestones.

As of 2021, Victoria Hand Project is now officially a Canadian charity organization and 501(c)3 nonprofit organization in the United States of America. By becoming a charity organization in each country, we are able to offer tax receipts to our supporters, an incentive to increase donations to further our work around the world. This also gives our supporters more confidence that their donations are being used to help provide prosthetic care to those who need it most.

Due to limitations with in-person patient work, our Canadian design team dedicated time to improving the prosthetic technology so that patients will receive better and more functional hands. We also connected with many prosthetic care clinicians, getting advice and feedback for designs and making new connections to offer our arms in North America.

Victoria Hand Project's team did not let the pandemic stop our community outreach. We conducted many virtual events throughout the year, with schools, professionals, and the general public. We really enjoy these opportunities to present to the public to inform people of the great need for prosthetic care around the world, and to inspire them to help make a difference in their community.

Thank you to everyone who has continued to support Victoria Hand Project through these difficult past few years. We appreciate all of our donors and those who have shared our story with their community. Victoria Hand Project and our partners wouldn't be where we are today without the support from everyone around us.

Thank you,



Michael Peirone, CEO



Our Mission

Victoria Hand Project's mission is to provide affordable prosthetic arms to amputees in need in developing countries and resource-poor communities

The Need

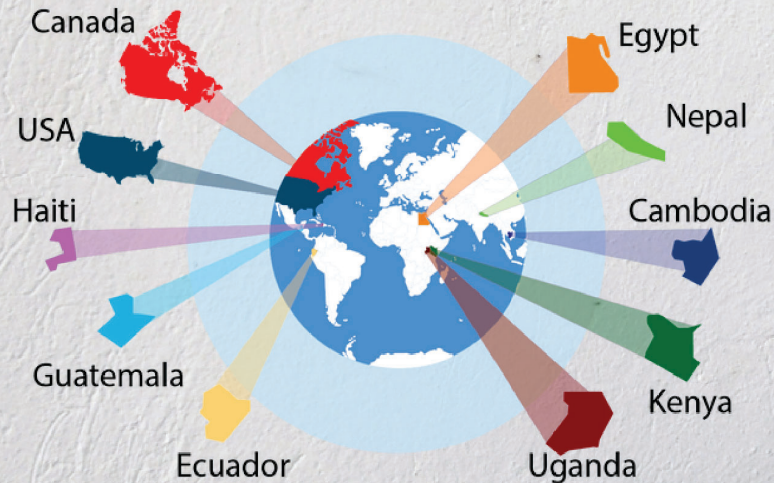
A vast range of causes result in alarming rates of upper-limb amputations worldwide – armed conflict, accident, disease, and lack of healthcare infrastructure. The WHO estimates that of the 3 million upper-limb amputees worldwide, 80% live in developing countries and many face extremely limited access to care.

We believe that **everyone** should have access to prosthetic care.

A life
changed
for only
\$300
USD



Our Partners



JULY 2015

**LIMB CARE NEPAL
PVT. LTD**

Nepal

SEPTEMBER 2016

**RANGE OF MOTION
PROJECT**

Ecuador

APRIL 2018

**HEALING HANDS FOR
HAITI**

Haiti

FEBRUARY 2020

**ST. LUKE'S ORTHOPEDIC
AND TRAUMA HOSPITAL**

Kenya

2014, JULY 2015
**RANGE OF MOTION
PROJECT**

Guatamala

JUNE 2016
**AGILE
DEVELOPMENT
GROUP**

Cambodia

NOVEMBER 2016
**CANADIAN
EGYPTIAN HAND**

Egypt

SEPTEMBER 2018
**CORSU HOSPITAL
FOR PEOPLE WITH
DISABILITIES**

Uganda

2021 & BEYOND
**BUILDING
PARTNERSHIPS**

Canada & USA

2021 Partner Achievements

Partner Highlight
Our partners in Kenya
fit **19** people with
Victoria Hands in 2021!



Provided new optimization software to Kenya, Nepal, and Haiti



New partnerships established in Canada and United States



Received training on assembling new hand models



By harnessing the power of 3D printing technology, our prosthetic arms are delivered to amputees in-need across the world through our international partners.

The Victoria Hand team works with local hospitals and clinics, and provides education and training in new, high-tech tools and skillsets. Our overall goal is to expand clinic capacity and free up healthcare professional's time, so they can help more people, faster.



2021 Overview



Small Hand (VZ300)

In 2020, we began to design the new voluntary close adult (VC300) hand model, containing lasercut stainless steel links to improve the strength and durability of the hand. The hand was released to our partners and provided to an amputee in-need in October 2020. In 2021, we continued our innovation with the design and release of the small hand (VZ300). This hand is similar to the VC300 model, but is scaled down in size so it is perfect for children and smaller amputees. The first person to receive the Small Hand was a young man in Kenya.

New CEO

Victoria Hand Project was excited to announce our new Executive Director, Michael Peirone, in October 2021. Michael began working with Victoria Hand Project in 2015 as a cooperative education student, and continued to work and volunteer with the organization while studying in school. After four years of working full-time with Victoria Hand Project in a variety of roles, Michael was voted by the Board to become the new Executive Director. Victoria Hand Project's founder and former Executive Director transitioned to the role of Chief Technical Officer, and has continued to be involved with the development of new, leading-edge technologies and the growth of the organization.



2021 Overview

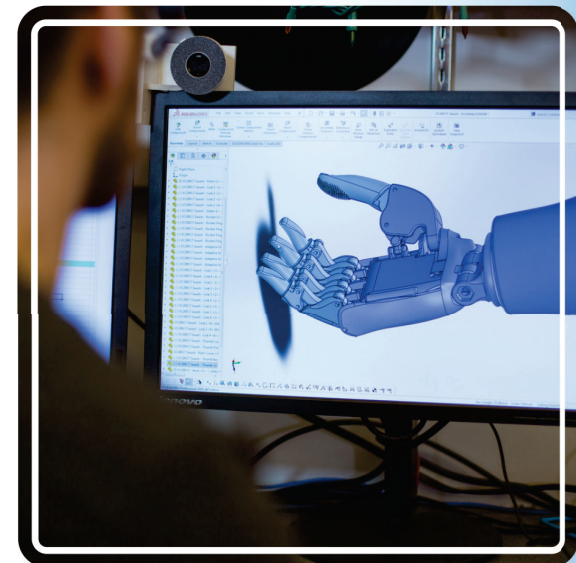


Charity Status

We are delighted to announce that Victoria Hand Project is now a Canadian charity and 501(c)(3) nonprofit! With these designations, we are able to offer tax receipts for donations made by Canadians and Americans, can benefit from an increase in public recognition and trust, and are eligible for additional sources of funding. VHP will continue to operate as before, maintaining a strong commitment to our mission to provide prosthetic care to amputees in-need around the world.

Software Development

In 2021, our Canadian team wrapped up creating a custom software program to simplify prosthesis selection and creation for our international partners. Built for use with Fusion 360, an AutoDesk CAD program, the new Victoria Hand software allows our partners to quickly and easily browse different options for hand, wrist, backlock, and add-ons, select what is best for their patient, generate a custom limb socket, and instantly export files for 3D printing.



2021 Events

Although we couldn't conduct in-person presentations for most of the year, we are happy that we had the opportunity to present to the public through virtual events.



MARCH 2021

CAD MICROSOLUTIONS

Showed the 3D printing community how we use advanced technologies to create the prosthetic arms.

SEPTEMBER 2021

AOPA

Presented "Designing 3D Printed Upper Limb Prosthetic Devices - Overcoming Limitations and Strengthening Key Components" at the annual American Orthotic and Prosthetic Association National Assembly.

NOVEMBER 2021

ISPO

Presented "Grip Testing Of 3D Printed Prosthetic Hand Featuring Adaptive Grasp" for International Society for Prosthetics and Orthotics World Congress.

JANUARY 2021

3D HEALS

An audience of groups using 3D printing in healthcare settings .

APRIL 2021

HIGHLANDS ELEMENTARY

A group of grade 6 students from Highlands Elementary School in Cranbrook, BC got to learn more about 3D printing and VHP's work.

OCTOBER 2021

AUTODESK UNIVERSITY

Demonstrated how we use the AutoDesk Fusion 360 API to make our custom-sized prosthetic arms.

NOVEMBER 2021

CAFE SCIENTIFIQUE

Presented on Victoria Hand Project's work to the local community.

Recipient Feature

LEWIS

Lewis is a 21 year old film student who, when filming a video, was involved in a devastating electrocution accident. He underwent four surgeries and eventually had to have his arm amputated. This was a major transition for him and he had trouble re-adjusting to normal life

"I thought people will judge me, laugh at me, look at me different."

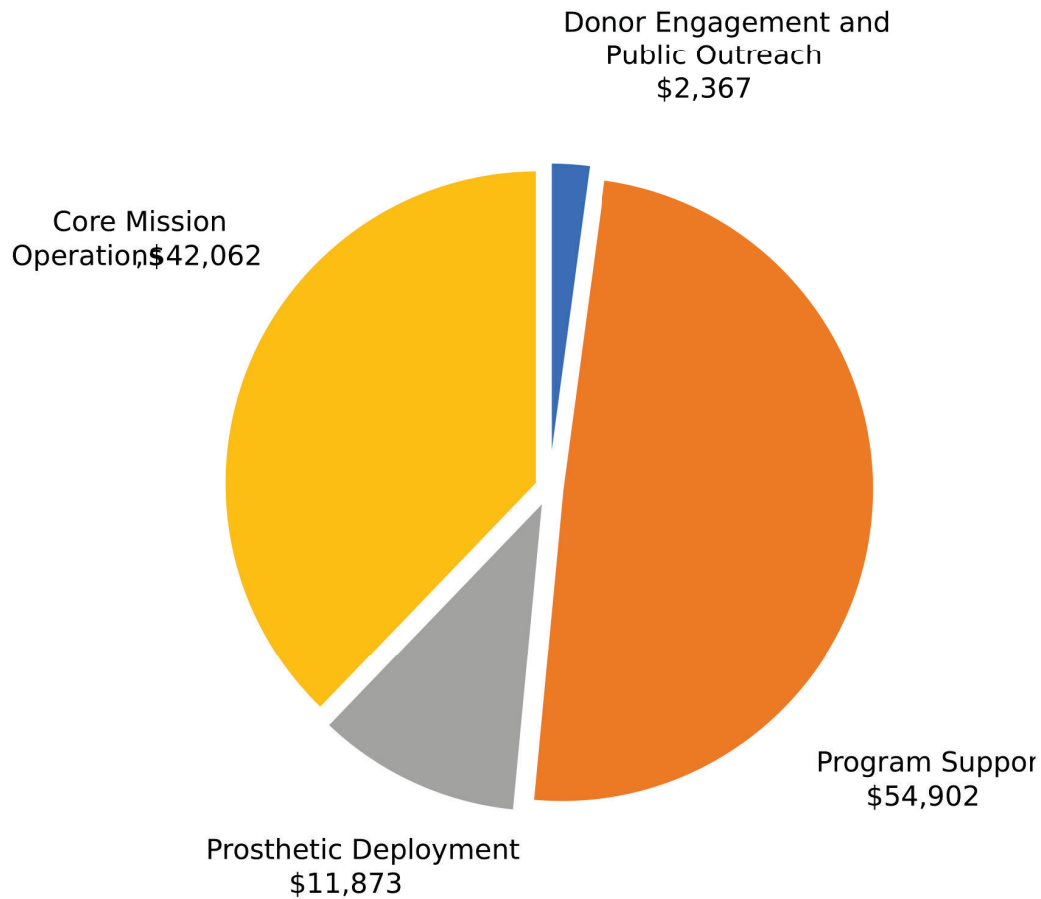
Lewis received a Victoria Hand and was thrilled to have a functional prosthetic arm to wear in public for comfort and to handle his delicate film equipment for school.

[My Victoria Hand] has made life better, made life easier, helped with healing psychologically. I am so grateful, that is all I can say."

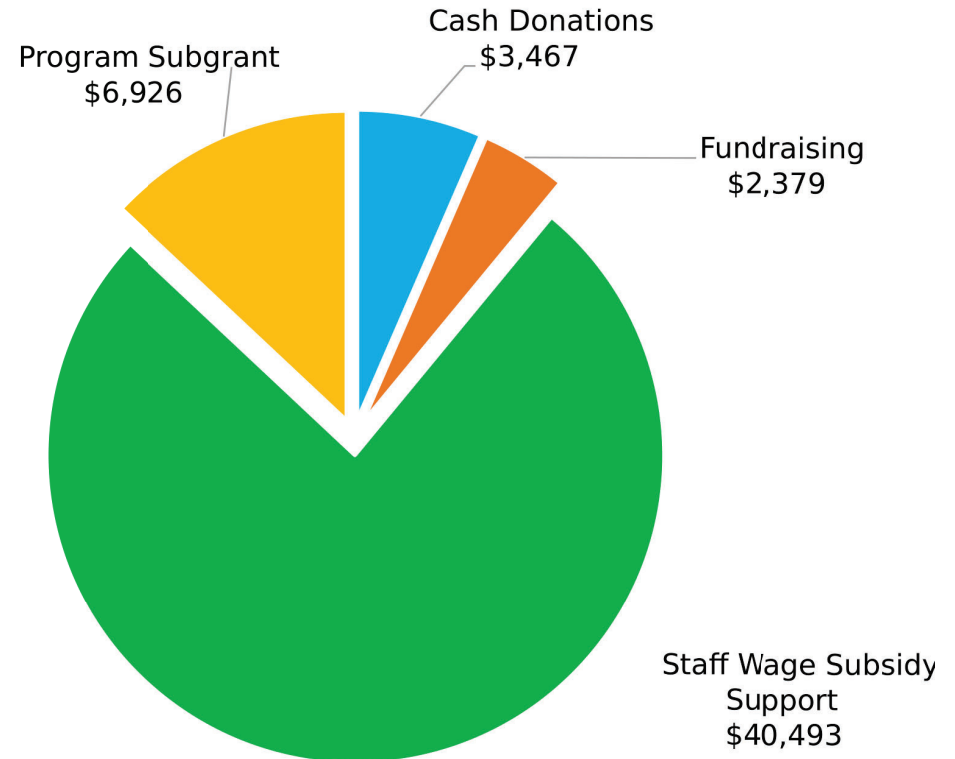


Financials

Allocation of Expenses in 2021



Sources of Revenue in 2021



With Gratitude...

2021 was a successful year thanks to our volunteers, supporters, global partners, and communities.

We acknowledge their commitment and dedication during the uncertainty of the pandemic and are immensely grateful for their efforts and contributions to our projects.

Our sincerest gratitude to everyone for supporting our mission in 2021 and beyond.

Board of Directors

Michael Peirone, B. Eng, EIT

Nick Dechev, Ph.D, P.Eng

Joshua Coutts, B.Eng

Jerome Etwaroo, P.Eng

Nigel Livingston, Ph.D

Aislinn Sirk, B.Sc, Ph.D, J.D.



Our Supporters




Grand Challenges Canada®
Grands Défis Canada

Ultimaker



**NSERC
CRSNG**





We thank you for your
ongoing support of
Victoria Hand Project

Victoria Hand Project
3800 Finnerty Rd. Victoria,
BC, Canada V8P 5C2
www.victoriahandproject.com
info@victoriahandproject.com