

PROJECT MY HEART YOUR HEART ANNUAL REPORT



Saving lives one heart at a time

2023

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CONTENTS

1-2

Our Vision

3

Milestones

4

Donated Devices

5

Advancing Medical
Research

6

Clinical Trial

7

Our Team

8

Our Supporters

9

Our Collaborators



Sign outside The Sheldon and Marion Davis Pacemaker Recycling World Headquarters

OUR VISION

The vision for Project My Heart Your Heart began in 2009 when a patient asked how to best recycle the device that was explanted from his wife.




A Medtronic pacemaker

Each year, over 1 million people worldwide die due to a lack of access to pacemakers and defibrillators.

Meanwhile, almost 90% of individuals with pacemakers would donate their device to others in need if given the chance.

Kim Eagle, M.D., Albion Walter Hewlett Professor of Internal Medicine, Professor of Health Management & Policy at the School of Public Health, and Director of the Frankel Cardiovascular Center, and **Timir S. Baman, M.D.**, former cardiology fellow, **founded Project My Heart Your Heart** at the University of Michigan Frankel Cardiovascular Center.

Thomas Crawford, M.D., clinical professor of cardiac electrophysiology, has been the **principal investigator** of the randomized trial since 2012.



Project My Heart Your Heart (MHYH) serves as a central organization to **obtain used pacemakers** post-mortem for **evaluation, re-sterilization,** and **distribution** to patients in low-and middle-income countries around the world.

MHYH aims to create a **reproducible model** that others can emulate to create their own **collaborative network** for refurbished device distribution.

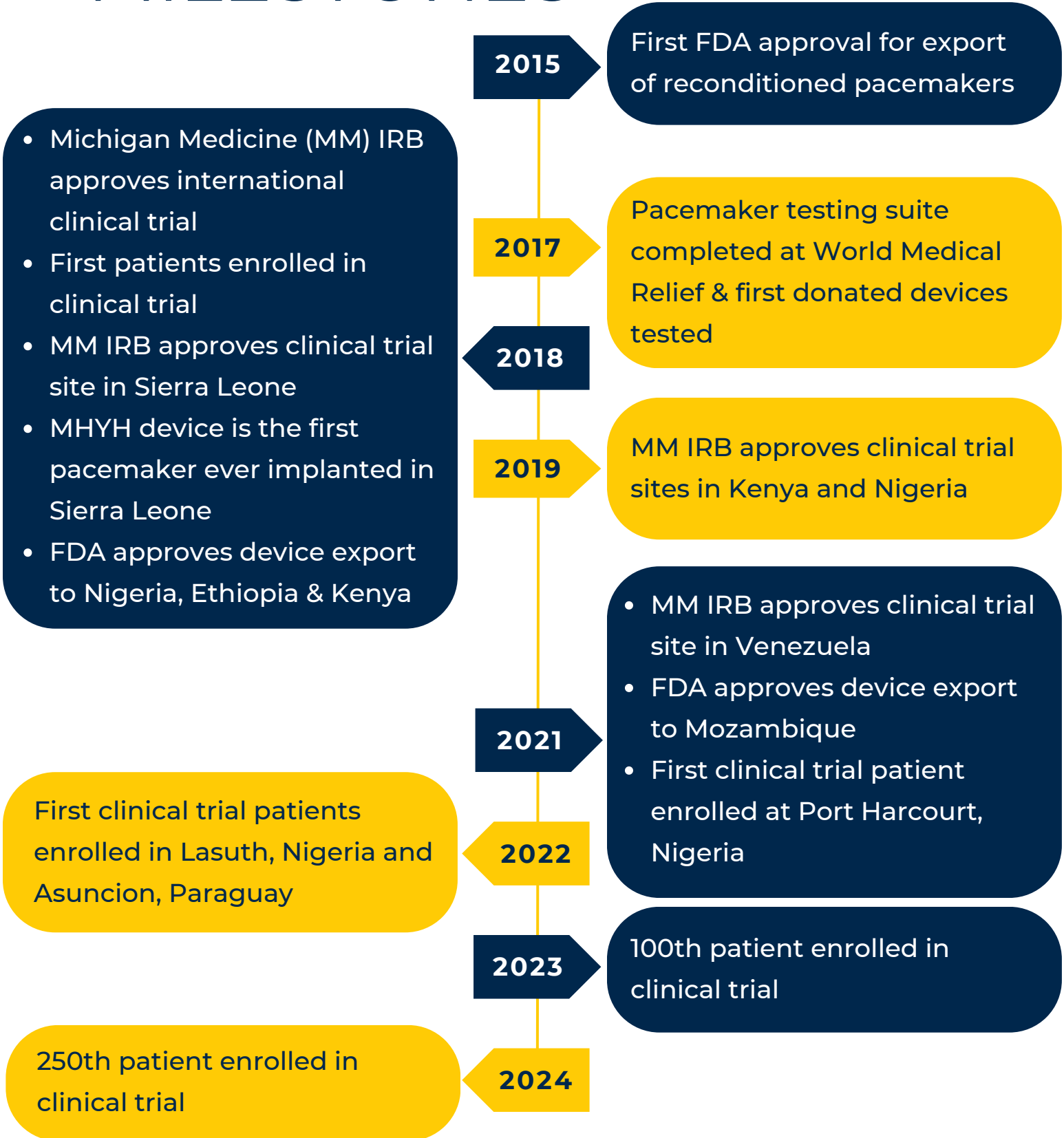
Project Manager Eric Puroll reconditions pacemakers at World Medical Relief.

“The opportunity to work with so many partners, both near and far, to make pacemaker recycling a reality . . . that is a true privilege.

It is entirely appropriate that the University of Michigan Frankel Cardiovascular Center is at the forefront of this global initiative which, when fully developed, has the potential to save tens of thousands of patients worldwide.”

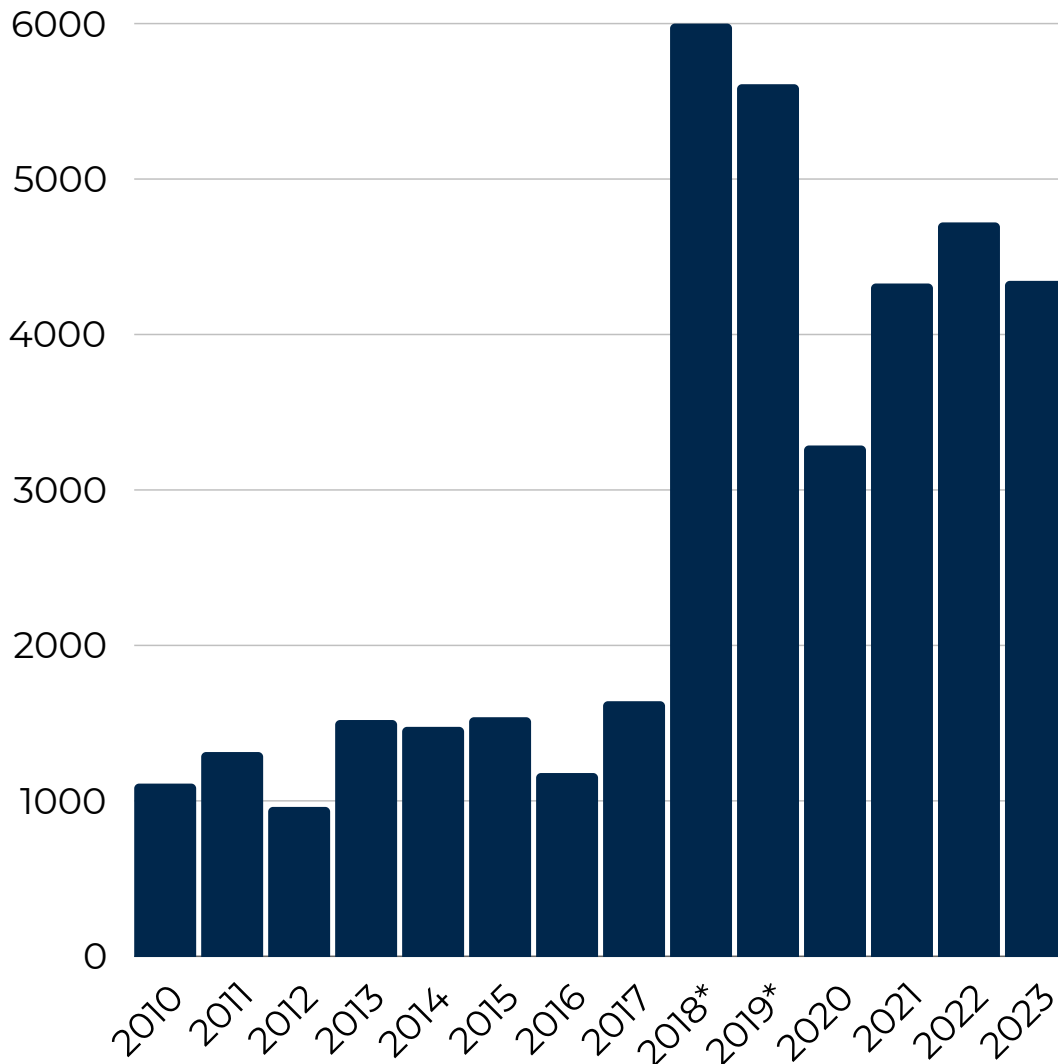
**– Kim Eagle, M.D.,
MHYH founder**

MILESTONES



DONATED DEVICES

To date, MHYH has received over **60,000 used devices** from funeral homes, hospitals, private citizens, and our collaborators.



* Received pallets of donated devices from Implant Recycling

Our program has been approved by the Michigan Funeral Directors. We work with the funeral and crematory industry as well as individuals who wish to donate their devices.

Donated devices are shipped to World Medical Relief, where they are sorted by volunteers for testing.

ADVANCING MEDICAL RESEARCH

The **Frankel Cardiovascular Center** has been conducting research for over a decade to establish pacemaker and defibrillator reuse as a feasible, safe, and ethical means of delivering this life-saving therapy to patients with limited resources.

Research for MHYH has led to over **two dozen publications** since 2009, including publications in:

Journal of Interventional Cardiac Electrophysiology

Pacing and Clinical Electrophysiology (PACE)

Journal of Cardiovascular Electrophysiology

Heart Rhythm Society

Progress in Cardiovascular Diseases

Heart, a journal of the **British Cardiovascular Society**

Circulation, a journal of the **American Heart Association**

Promoting Cardiovascular Health Worldwide, a publication from **Scientific American**

Clinical Electrophysiology, a journal of the **American College of Cardiology**

World Journal of Cardiology

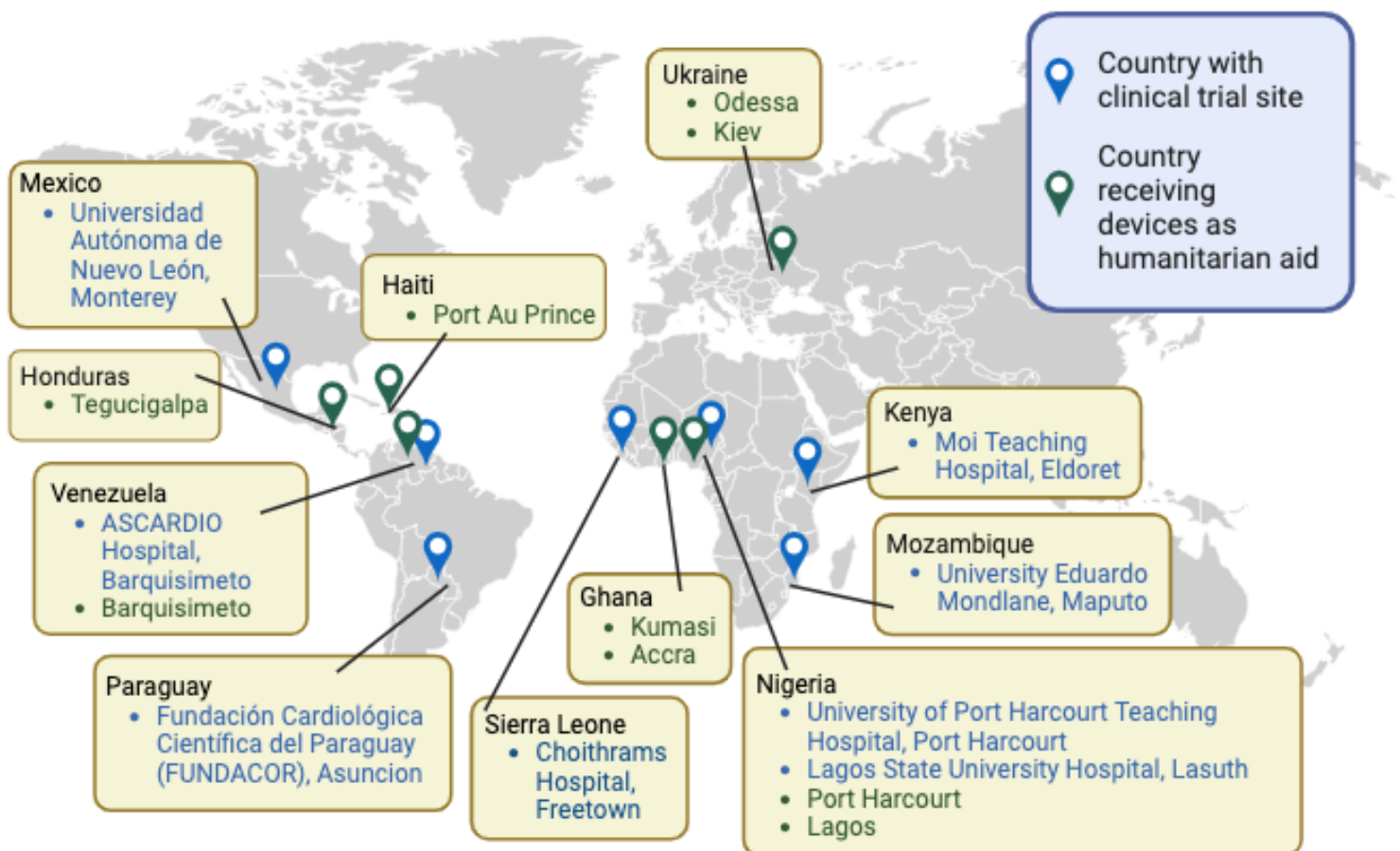
Nature Reviews Cardiology

For access to our publications, please visit:
med.umich.edu/myheartyourheart/pub

CLINICAL TRIAL

Project MHYH has received FDA and IRB approval to conduct a **randomized study** to show that **postmortem pacemaker reutilization** is a **safe and effective** means of delivering care.

To date, over **250 patients** across **7 countries** have been enrolled in our clinical trial and have received either a new or refurbished pacemaker.



OUR TEAM

Founding Director

Kim Eagle, M.D., M.A.C.C.

Director

Thomas Crawford, M.D.

Project Mangers

Eric Puroll, B.S.
Constantina Alexandris- Souphis, R.N., B.S.N., B.S.

Statisticians

Xiaokui Gu, M.A.
Chin-Wen Pai, M.S.P.H., Ph.D.

Programming

Brian Shensky, B.S.

IRB Specialist

Patsy Bruenger, B.A.

Development

Vincent Cavataio
Nathaniel Tobi, Jr.

Communications

Kristy Demas

Clinical Trial Consultants

AJ Hale, M.B.A., C.C.D.S.
Eva Kline-Rogers, R.N., N.P., M.S.N

Dedicated Volunteers

Dan Bochinski, R.N.
Michelle Bochinski, DNP, MHI, BSN, RN, CNRM, CNE, CNOR
Sharon Gadoth-Goodman, R.N.
Noah Klugman, Ph.D.
Lane Powell
Al Romero, M.D.
Patricia Sovitch, R.N., N.P., M.S.N.
Kevin Weatherwax, C.C.R.C. , C.C.R.A.
Kevin Wunderly, B.S.
United 2Heal

OUR SUPPORTERS

We are grateful for the steadfast support of our donors, whose generosity and commitment provides us the resources to help heart patients around the world.

Sandra Arlinghaus, Ph.D. | William Brehm
Douglas Colwell | Craig R. Davis
Sheldon & Marion Davis | Rebecca Duffey | Kay Fuller
Lindsay Hefter | Mary H. Jaffe | David Katcher
Noah Klugman & Lane Powell | Sandra Lefkofsky
Craig R. Sincock | Katharine B. Soper | Bonnie Upton
Elizabeth Upton | The Hon. Frederick Upton
Stephen Vlay, M.D. | Bradley Wasserman
Wayne & Joan Webber Foundation | Steven Wolter

A gift to MHYH advances health care in tangible and far-reaching ways.

OUR COLLABORATORS

MHYH is a collaboration between volunteers, physicians, funeral directors, the Frankel Cardiovascular Center, World Medical Relief, Implant Recycling, and NE Scientific.



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