



TECHIES WITHOUT BORDERS

Annual Report 2025



Staff at Edward Francis Small Teaching Hospital, The Gambia

Message from Manoj Thomas, President



Dear Friends,

2025 was another remarkable year for Techies Without Borders (TWB) - a year defined by growth, collaboration, and meaningful impact.

We were proud to forge new partnerships and collaborations with numerous academic institutions, government agencies, and both non- and for-profit organizations, which helped to expand access to medical knowledge through new content, podcasts, and training materials. They also enabled us to explore next-generation technology solutions and further strengthen the reach of programs like the ID4U podcast series and Journal Club.

This year also marked an exciting milestone for the CMES technology platform, with its most significant update in over five years and its first rollout in The Gambia. This achievement underscores our continued commitment to ensuring that high-quality medical education is accessible where it is needed most.

Beyond knowledge dissemination, knowledge creation remained central to our mission. TWB volunteers contributed original research through paper publications and conference presentations, reinforcing our role not only as a volunteer organization, but also as a source of evidence-based insights and thought leadership.

Perhaps most inspiring of all was the extraordinary growth of our volunteer community. An incredible number of new volunteers joined TWB's cause in 2025. It is deeply rewarding to see volunteers connecting formally and informally, virtually and in-person, united by a shared commitment to service and impact.

As I reflect on the year, I am reminded of Winston Churchill's words, "The further backward you look, the further forward you can see." Volunteerism is a choice. As I look back, I am profoundly grateful that so many highly qualified, highly skilled, highly inspiring professionals have made the "choice" to dedicate their time, expertise, and passion to TWB. Their commitment is a powerful testament to the belief that, together, we can transform lives far beyond our immediate circles of influence.

With gratitude

A handwritten signature in black ink that reads "Manoj Thomas". The signature is written in a cursive, flowing style.

Manoj A. Thomas
President

Statement from Jennifer Borneman, CFO



As in previous years, Techies Without Borders closed the year with a strong financial position, mainly because we kept our administrative costs low. Through fundraising efforts and in-kind donations, we received nearly \$20,000 this year. This was possible thanks to the generosity of our donors and supporters. We will dedicate these funds to future Continuing Medical Education Solutions upgrades in the Gambia, Uganda, Nigeria, Guatemala, Ecuador, Antigua, and Papua New Guinea.

We are proud to continue holding the Platinum Seal of Transparency on the GuideStar Candid platform, reflecting our deep commitment to accountability and transparency.

We kept annual administrative expenses under \$5,000. Most of our spending went toward equipment, improving our IT platform and supporting travel needed to deploy the platform and educate users in partner countries.

We are deeply grateful for the ongoing support of IT specialists, physicians, financial advisors, nonprofit administrators, and other skilled professionals whose expertise helps keep TWB's operating costs low.

It's a privilege to work with our donors and the TWB team to ensure good financial management and transparency.

Warm regards,

A handwritten signature in black ink, appearing to read 'Jennifer Borneman'.

Jennifer Borneman
Chief Financial Officer

We've grown – and our name has grown with us

Continuing Medical Education on Stick

is now

Continuing Medical Education Solutions

reflecting the broader tools and approaches we now offer



*Ocean Clinic team training with TWB volunteers
Dr. Jess Pelletier and Dr. Manoj Thomas*

Impact in a Nutshell

New CMES mini-computers

Delivering fast, high-quality video education even offline

Stronger community

1000+ practitioners participate monthly in our virtual networks

Expanded content libraries

from ECG interpretation to emergency obstetrics

Better Tools

Better Training

Better Care

**20
countries**

**17,000
medical
practitioners**

**20 million
patients**



Dr. Cristian, a primary care physician in Santo Domingo., Ecuador, with the CMES app

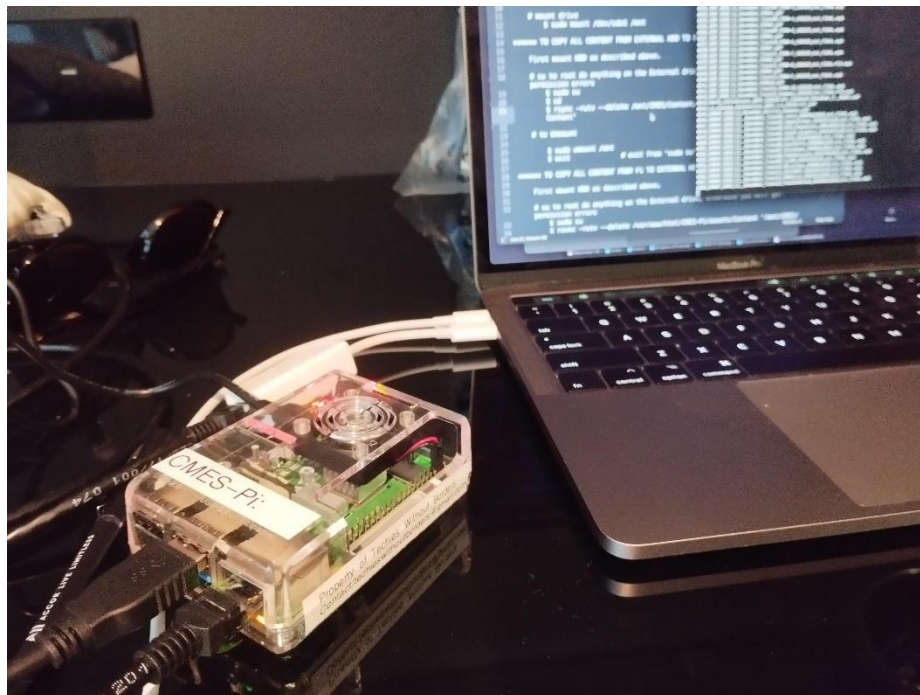
Impact in 2025:

IT Initiatives

- Introduced the minicomputer with video content capabilities
- Improved Pi admin platform
- Upgraded iOs and Android smartphone apps



Showing the progression of the IT devices used, from USB to Raspberry-Pi to minicomputer



CMES-Pi and computer setup

CMES Installation and Site Upgrades

Dominican Republic

In February 2025, our work in the Dominican Republic came full circle. At our Timmy Global Health partner clinics in Monticristi and Mao, physicians received new **USBs** to replace those first issued in 2018. During a TGH health brigade, Elisabeth Weiss Roberts, RN, delivered the USBs to the clinics and provided hands-on training to Dr. Ivan Rivas in Monticristi, who will now pass that knowledge on to the team in Mao, continuing a cycle of learning and collaboration.



*Elisabeth Weiss Roberts
providing training
to Dr. Ivan Rivas in Monticristi*

The Gambia

Thanks to the dedication of volunteers Dr. Jess Pelletier and Dr. Manoj Thomas, and ongoing support from The Gambia Ministry of Health on-site Raspberry-Pi computers were replaced with powerful **mini-computers** capable of supporting video, an absolute game changer for medical education.

The mini-computer upgrades reached key sites in The Gambia, including the Ocean Clinic (OC) and Edward Francis Small Teaching Hospital (EFSTH). The team also made a first visit to Bansang Hospital, where a CMES-Pi was installed, introducing the program and opening the door to expanded learning for the future.



*Dr. Jess Pelletier training a doctor
at Edward Francis Small Teaching
Hospital, The Gambia*

Education Training

- Real-time medical education was provided through hands-on ultrasound training for the Internal Medicine team at EFSTH and medical students at the University of The Gambia.
- At Ocean Clinic's request, focused lectures were also delivered on managing diabetic and hypertensive emergencies.



*Training at Bansang Hospital, The Gambia (top and left)
and at Edward Francis Small Teaching Hospital,
The Gambia (right)*

Journal Club & ID4U

African CMES participants from several countries including The Gambia, Uganda, and Nigeria participate in a monthly [CMES Journal Club](#) covering diverse emergency medicine topics.

- A monthly [Infectious Disease Podcast](#) is available to all CMES participants globally covering topics impacting their patients.



Continuous Professional Development (CPD) Toolkit in Oceania

- As emergency medicine programs mature worldwide, countries need structured continuing professional development (CPD) frameworks.
- TWB developed an Emergency Medicine CPD Toolkit to help busy clinicians quickly and effectively build national CPD programs.
- Papua New Guinea and Timor-Leste are serving as pilot countries for implementation.



Dr. Vera Sistenish, CMES Oceania Coordinator, is heading up the CPD (Continuous Professional Development) Toolkit for Oceania regions

Our volunteers

Our volunteers' expertise and dedication continue to drive TWB's impact worldwide.

In 2025, 22 new volunteers joined TWB from diverse fields including research, IT, marketing, community coordination, medical, EMS, business, and undergraduate students.

Their contributions were strengthened by new leadership roles that extend the reach, coordination, and impact of Techies Without Borders across our global network.

Smita Scaria — Volunteer Coordinator
Uma Kaushik — Social Media Coordinator
John George Johnson — Gambia Liaison
Emmanuel Idowu — Nigeria Liaison
Pablo Boada — Latin American Coordinator
Bobby Welsh — CMES Assistant Oceania Coordinator

Total Volunteer Hours = 4357



Mr. Buba Barrow, RN (left); Dr. Jessica Pelletier, DO (centre); and Dr. John George Johnson, MD (right), conducting a CMES rollout at Bansang Hospital in The Gambia

New Sponsors & Partners



PlanetMedia

Our website is being rebuilt with the help of PlanetMedia. They have also been instrumental in CMES app redevelopment.

<https://www.planetmediamarketing.com>



Ruby for Good

Ruby for Good volunteers helped rebuild the Continuing Medical Education Solutions (CMES) platform from the ground up.

The team improved performance, redesigned the user experience, and made it accessible for clinicians in 19 countries, even in low-bandwidth environments.

<https://www.linkedin.com/company/ruby-for-good/>



GitHub for Nonprofits

This initiative aims to help nonprofits leverage technology for social impact by providing robust collaboration and development tools.

<https://github.com>

New CME Providers



CoreUltrasound

CoreUltrasound provides online training videos for ultrasound procedures that are now available on our cloud-based server omitting the need for an internet connection.

<https://coreultrasound.com>



Emergency Procedures

Emergency Procedures provides online videos to learn medical procedures that are now available on our cloud-based server omitting the need for an internet connection.

<https://emergencyprocedures.org/>