



2021

ANNUAL REPORT



MCDI
MEDICAL CARE DEVELOPMENT INTERNATIONAL



MCD
Public Health

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Dear friends and colleagues,

2021 was a year of ongoing challenges associated with the COVID-19 pandemic, necessitating MCD's continued engagement and support to national and local stakeholder response efforts in the United States and internationally. In Maine, where MCD's corporate headquarters is located, we continued to provide staffing to the State of Maine's Center for Disease Control and Prevention (Maine CDC) for COVID-19 epidemiologic monitoring, case investigation, contact tracing, and reporting.



At the local level in Maine, our Healthy Lincoln County program focused on addressing food insecurity exacerbated by the pandemic. Across the Northeast in the U.S., MCD continued to lead efforts in expanding telehealth for the COVID-19 response. Internationally, we continued to support national health authorities in 16 African countries in implementing elements of COVID-19 response plans that we helped establish.

For example, in Equatorial Guinea, Noble Energy contracted with MCD to design and implement its COVID-19 mitigation and response plan. In addition, in the U.S., we collaborated with MSH-Perú to develop a free, online training for health workers to support COVID-19 response in Perú.

We also continued providing technical and operational support for ongoing and new programs in malaria, HIV/AIDS, telehealth, oral health, health systems strengthening, and workforce development. I encourage you to read more about some of these in this report.

Our success in 2021 can be attributed to our people and partners. Our team is composed of more than 500 highly dedicated, experienced, and expert staff members who are committed to enhancing the health and well-being of people around the world. Together with MCD's partners in government, the nonprofit and private sectors, and support from generous donors, our staff was able to support the delivery of innovative, customer-focused, and cost-effective public health solutions.

We at MCD are launching a concerted investment in enhancing diversity, equity, inclusion, and belonging (DEIB) within the organization as well as ensuring that our program assistance reinforces these essential cultural tenets. You'll find an example of our efforts and commitment in partnering to advance equity through our collaboration with OUT Maine, a local Maine nonprofit. MCD's investment in enhancing and sustaining DEIB within the organization is a cornerstone of working toward an engaging, supportive, and rewarding work environment that fosters staff retention and attracts highly capable and motivated candidates.

On behalf of MCD's Board of Directors and Executive Team, we express our gratitude to our extraordinary employees around the world, as well as our numerous collaborating partners and donors. It continues to be an honor to be part of such a dynamic and impactful team working diligently and creatively to improve the health and well-being of people worldwide.

Chris Schwabe
MCD President & CEO

RESPONDING TO A GLOBAL PANDEMIC

Preventing COVID-19 in Equatorial Guinea

Since the beginning of the COVID-19 pandemic in 2020, MCD has pivoted, adapted, and responded through many of its ongoing projects and programs both in the U.S. and around the world.

With established trust and a long-term presence in Equatorial Guinea, MCD easily supported the Ministry of Health and Social Welfare in developing and implementing its COVID-19 Strategic Preparedness and Response Plan and a COVID-19 Vaccine Deployment Plan. Along with this, our teams have:

- Helped develop WHO-certified COVID-19 testing capacity at the National Reference Laboratory, where more than 77,300 PCR tests were performed;
- Deployed telehealth and e-learning to support the COVID-19 response in coordination with our U.S. Division;
- Developed new District Health Information Software 2 (DHIS2) module for contact tracing; and
- Provided pre-deployment screening, in-country testing, quarantining, isolation, and medical services to ensure a safe work environment for Noble Energy EG Ltd. (a Chevron Company) staff. A total of 4,965 workers were received in quarantine, resulting in: 97% successful releases to work after quarantine; 100% successful releases to work after isolation; two successful medical evacuations; and zero fatalities.

Ensuring Food Security in Lincoln County, Maine

Throughout the pandemic, our U.S. teams leveraged their experiences and partnerships with the public and private sectors to forge effective pandemic preparedness and response strategies against COVID-19 at the state and local levels.

One of our community level programs on the coast of Maine quickly pivoted to respond to a significant need for expansion in food security work, leading to funding and new models of service in the community. [Healthy Lincoln County \(HLC\)](#), along with local partners, established a coordinated network to enhance access to local food, serving more than 110,000 meals to children, families, and those isolated due to COVID-19.

The Food Security Community Connection program at HLC builds on initial successes in 2020 to better support the residents of Lincoln County, Maine. HLC increased access for individuals seeking food and resources by transitioning their local food hotline to a two-way calling and texting service, as well as increased food rescue efforts. In 2021, HLC rescued roughly 15,000 pounds of local food through salvage operations and field gleaning efforts that was distributed in the community. Lastly, the Food Security Community Connector increased the capacity to network and foster community relationships to address hunger in the community, and has held over 60 collaborative meetings with key partners.

RESPONDING TO A GLOBAL PANDEMIC

Training Health Workers in Perú

COVID-19 greatly impacted Perú's population, resulting in one of the highest reported excess death rates in the world. MSH-Perú, the Peruvian affiliate of Management Sciences for Health, approached MCD to leverage its online Global e-Training and Technical Assistance Center platform to develop an e-Training course on COVID-19 for public health authorities and staff in Perú.

In early 2021, the two organizations created a joint venture that launched the COVID-19 e-Training course for Perú. The module is offered free-of-charge to public health workers throughout Perú.

MCD/MSH-Perú's course provides an interactive, self-paced course on COVID-19, how the virus is transmitted and can be prevented, and clarifying the myths associated with COVID-19, among other topics.

By the end of 2021, more than 1,000 health workers in Perú completed the training. Of those who completed the course, 94% said that their knowledge of COVID-19 increased significantly. In addition, participants also said that they feel better prepared in responding to the COVID-19 pandemic in their homes, work, and communities as well as more confident in educating others about COVID-19 and handling more sensitive and controversial topics, such as mental health and misinformation.

Utilizing Telehealth and Technology

With thousands of regional stakeholders reaching out for technical assistance and training for rapid telehealth implementation, our Northeast Telehealth Resource Center (NETRC) team became the 'go-to' resource for telehealth-related needs across the region.

Last year, our NETRC team experienced a 920% increase in technical assistance requests during the early months of the pandemic. In 2021, NETRC responded to more than 1,500 requests for technical assistance, and 88% of those received responses within one day. Requests came from various organizations, with a high rate (58%) of returning customers. Almost 250 organizations from rural areas requested support, and 232 requests and responses were policy related.

Additionally, MCD's NETRC team:

- Launched the virtual [Telehealth Classroom Training Portal](#) to better assist regional stakeholders, such as health systems, health centers, and providers, to successfully implement telehealth.
- Hosted and/or developed 284 virtual learning opportunities with almost 21,000 attendees.

NETRC is proud to support organizations across the Northeast in building and expanding access to quality telehealth services ([read some of the region's success stories](#)).

PARTNERING TO ADVANCE EQUITY

MCD is working with OUT Maine, a statewide nonprofit working to make communities more welcoming, affirming, and inclusive for Maine's lesbian, gay, bisexual, transgender, non-binary, or questioning (LGBTQ+) youth. The collaboration is converting several of OUT Maine's in-person trainings to online, interactive, self-paced versions with the goal of expanding the reach to youth-serving professionals in Maine and beyond.



According to the Maine CDC, nearly 20% of all Maine teens identify as LGBTQ+, with the percentage even higher among teens in foster care (40%).

MCD and OUT Maine developed a six-module training series titled, "The Basics for Building Welcoming and Inclusive Communities for LGBTQ+ Youth." The modules include:

- OUT Maine's work and model.
- Healthy adolescent development.
- Adverse Childhood Experiences (ACEs) and their impact on LGBTQ+ youth.
- Importance of language, terminology, name, and pronoun usage.
- Risk and protective factors for LGBTQ+ youth.
- Best practices for creating inclusive LGBTQ+ youth programming.
- Strategies to support Maine's diverse queer youth.

To guide learners through the modules, our e-Learning Team created two avatars inspired by a mother and son team, Rosi and Zia Amador. The Amadors provided the voiceover for the modules. Avatar Rosi acts as the training narrator who teaches a majority of the educational content; Zia acts as the training guide in the modules where he introduces key topics, guides users through their learning journey, and shares his own past experiences as a transgender youth throughout the training.



This first training series is intended for anyone who works with youth and is available at training.outmaine.org. MCD is producing three additional online training series for OUT Maine, tailored specifically for educators, behavioral/mental-health professionals, and medical professionals.

Over the past four decades, MCD has led malaria control programs that have increased the number of people who receive a high-quality and timely malaria diagnosis and treatment. Our work in mosquito control, preventing malaria during pregnancy, vaccine clinical trials, diagnostics, case management, behavior change, monitoring and evaluation, and surveillance has helped in reducing the burden of malaria. Our team of experts provide technical support to countries worldwide.

By working with each country's specific needs, we support them in their efforts to reduce malaria cases and fatalities/deaths while also being prepared to pivot and respond to any unforeseen challenges.

Bioko Island, Equatorial Guinea

The Bioko Island Malaria Elimination Project (BIMEP), an award-winning, public-private partnership that began in 2004 in Equatorial Guinea under a different name, has evolved over the years with a focus on eliminating malaria from the island as well as strengthening Equatorial Guinea's health systems and workforce.

In 2021, efforts from the BIMEP resulted in:

- Sprayed more than 43,000 homes, protecting more than 163,000 people from mosquito bites.
- Distributed more than 30,000 long-lasting insecticide treated bed nets to 11,298 target households, protecting more than 47,000 people.

(Right) BIMEP staff training for annual indoor residual spraying of homes on Bioko Island, Equatorial Guinea.



U.S. President's Malaria Initiative (PMI) Impact Malaria

MCD has been a trusted implementing partner of PMI for more than 15 years and worked with different countries across Africa for malaria diagnosis, quality assurance, case management, and more.

We work as an implementing partner in 14 countries: Benin, Cameroon, Cote d'Ivoire, Democratic Republic of the Congo, Ghana, Kenya, Madagascar, Malawi, Mali, Niger, Sierra Leone, Tanzania, Uganda, and Zambia.

In 2021, our teams' efforts in those countries resulted in:

- Aligning 13 countries with global guidance on malaria diagnosis and case management.
- Developing e-learning modules on malaria rapid testing (RDT) for community health workers and piloting virtual malaria microscopy to improve lab technicians' skills.
- Enabling more than 80% of health facilities to have at least one staff member trained in malaria microscopy after five outreach training and supportive supervision plus (OTSS+) visits.
- Launching group antenatal care for 1,618 women in Benin's Atlantique Department to scale up uptake of three doses of intermittent preventive treatment of malaria for pregnant women (IPTp).
- Introducing tablet-based surveys for frontline health workers to collect data from 18,000 pregnant women who visited the clinic for the first time.

StopPalu+

The StopPalu+ program, led by RTI International, supports Guinea's National Malaria Control Program in achieving the PMI's target of reducing malaria morbidity and mortality by 75% through malaria diagnostics.

Our team provides technical assistance to improve malaria diagnostic capacities at all levels of the health system. In 2021, efforts from the StopPalu+ program resulted in:

- Qualifying 15 microscopists to participate in a WHO external competency assessment for malaria microscopy (ECAMM) where 13 achieved level 1 accreditation and two achieved level 2 certifications at Pre-ECAMM. Also, 10 microscopists became WHO-accredited experts.
- Training 116 microscopists during the malaria rapid diagnostic testing (mRDT) sessions.
- Conducting 454 individual outreach training and supportive supervision (OTSS) visits in 54 facilities from 2018-2021.
- Training 2,000 health workers, including 610 community health workers, in using mRDTs.

PROGRAM RESULTS

Sherry Laliberte, a dental hygienist who works at MCD, conducted dental screenings at numerous Maine elementary schools in 2020. One day, Sherry was screening a 9-year-old girl, and what she saw shocked her.

“Her gums and tissues in her mouth didn’t look normal. Her tongue was fissured, and her gums were overgrown,” she said.

The school nurse checked her medical record and found nothing of concern. Then, her parents’ medical histories were reviewed, and it was discovered that her mother had stage 4 kidney failure that was genetic. The girl was tested, and her results indicated that she had stage 2 kidney failure.

“If I had not caught that, then she could’ve easily progressed to an advanced stage of kidney failure like her mother,” Laliberte said. “Oral health is more than just about teeth; it is about your overall health. We want to identify any problems early on to set individuals up for a lifetime of good oral health.”

MCD's oral health initiatives strive to improve children’s oral health and overall health. Our team is providing routine screenings and sealants to children in Maine and beyond, coordinating with health partners, and exploring innovative approaches to increase access to care.

Oral Health



Sherry Laliberte (left), a dental hygienist at MCD, conducts dental screenings for children at numerous Maine schools.

School Oral Health Program

The School Oral Health Program (SOHP), provided through the Maine CDC, focuses on providing preventative dental services to Maine’s school children; thus, reducing the proportion of school children who have dental decay.

Twice a year, our team of registered dental hygienists along with volunteer dentists perform oral screenings and fluoride varnish treatments to students in public schools.

In 2021, our SOHP team:

- Visited 191 schools throughout Maine for dental screenings.
- Provided dental screenings for around 11,400 students.
- Referred 16% of those students screened for dental care.

Women and children are often the most susceptible to diseases, antenatal issues, and post-natal complications due to a lack of access to quality health care, hygiene, and sanitation. MCD has worked for more than 40 years to improve conditions for women and children, such as high-mortality complications of pregnancy, children's health conditions, and family planning services in low-resource communities.

Since 2018, MCD has supported the Benin Ministry of Health in strengthening capacity to improve and increase the quality standards of reproductive, maternal, newborn, and child health (RMNCH) products and services offered by the private health sector through the USAID Private Sector Health Partnership Activity (PSHPA) project, in partnership with Abt Associates.

The project also works to expand the offering of quality, high-impact RMNCH services delivered by private-sector providers through in-person service delivery trainings, online training, post-training follow-up supervision, and on-the-job training for private health care providers, all in conjunction with the Ministry of Health. From the project's origination in 2018 through 2021, results from our team's efforts include:

- Training 344 providers in high-impact interventions to improve maternal and child health, including antenatal consultation, emergency obstetric and neonatal care, family planning, post-abortion care, childhood immunization, and malaria.
- Providing on-the-job training to 987 providers to support ongoing learning, follow-up, and skills maintenance.
- Enrolling 157 private health facilities in the quality assurance process.

"Let me congratulate PSHPA and USAID for all that they are doing for the development and acquisition of skills at the private health facility (PHF) level. The selected PHFs were happy to participate in this follow-up [training], and there was a real desire to improve skills, and I think that this follow-up will improve maternal and child survival. My hope is that this will be a permanent activity." — Dr. Jouansou Josiane, pediatrician in Benin who participated in one of the training courses.



On-site training of private health care providers on pediatric care right after delivery using an infant prop in Benin.

A highly-skilled public health workforce is vital to improving the health and well-being of people around the world and the communities in which they live. MCD has trained thousands of public health workers through our customized training, technical assistance, and capacity building. Using evidence-based practices and adult-learning principles, we created interactive, engaging, and culturally competent training solutions.

In 2021, our e-Learning Program resulted with more than 12,000 users registered for one of our [online training courses](#) in all 50 states in the U.S. The satisfaction rate from those participants averaged 98%.

Community Health Workers

MCD developed the first-of-its-kind core competency training program for community health workers (CHWs). Using a combination of self-paced modules, live virtual meetings, homework, and interactive videos, this training benefits even the most experienced CHWs. To further explore training on specific health topics, visit our [CHW Online Training Program](#).

Increasing Workforce Capacity, Peer Learning

Project ECHO®, originally developed at the University of New Mexico, is a lifelong learning and guided practice model that revolutionizes medical education and increases workforce capacity to provide best-practice specialty care and reduce health disparities. Since 2018, MCD has been an official Project ECHO® hub, embracing this model to share knowledge, leading multiple programs across diverse focus areas.

While the behavioral health needs grew in communities across the U.S. and around the world, COVID-19 illuminated a need like never before. MCD is working in rural Maine to improve behavioral health services through education, training, and mentorship programs for future and current health professionals, integrating mental health and substance use disorder. We partner with a network of behavioral health stakeholders to bring practitioners together in order to learn from one another while also building pathways for a new workforce.



A community health worker in Maine makes a home visit to test for COVID-19 using a nasal swab.

MCD Financial Summary FY 2021

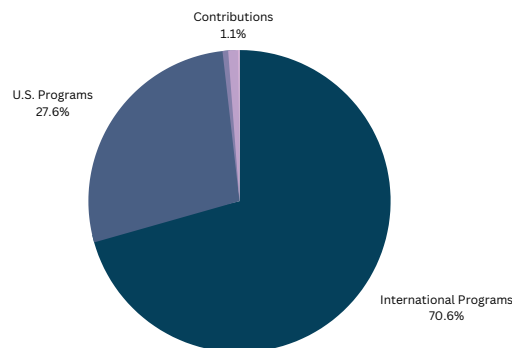
SUMMARY

MCD Inc. posted a \$438,000 operating loss in 2021 due to unanticipated delays during the start-up phase of several large new projects. Revenues from these new projects were budgeted to offset investments in organizational strengthening. Despite the operating loss in 2021, MCD's net assets increased by \$837,000, relative to 2019.

MCD ended 2021 with a current ratio of 2.4, no long-term debt, and a temporary balance on its line of credit.

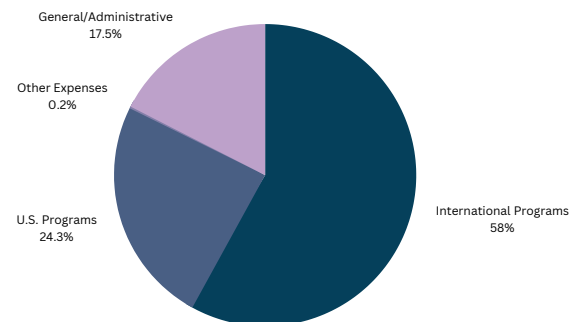
Heather Metten, Director of Finance

STATEMENT OF ACTIVITY



Public Support and Other Revenue *

International Programs	\$22,893	70.6%
U.S. Programs	\$8,960	27.6%
Other Revenues	\$202	0.6%
Investment Income	\$21	0.1%
Contributions	\$350	1.1%
TOTAL	\$32,427	100%



Expenses*

International Programs	\$19,069	58.0%
U.S. Programs	\$7,998	24.3%
Other Expenses	\$59	0.2%
General & Administrative	\$5,739	17.5%
TOTAL	\$32,865	100%
Operating Gain (Loss)	(\$437.76)	

CONSOLIDATED BALANCE SHEET

Assets*

Cash	\$1,659
Accounts Receivable	\$46
Grants Receivable	\$9,395
Property & Equipment, Net	\$367
Investments	\$1,215
Other	\$443
TOTAL ASSETS	\$13,125

Liabilities*

Accounts Payable & Accrued Expenses	\$1,150
Deferred Grant Revenue	\$1,017
Debt	\$1,000
Other Liabilities	\$3,038
TOTAL LIABILITIES	\$6,206

Net Assets*

Without Donor Restrictions	\$6,622
With Donor Restrictions	\$297
Total Net Assets	\$6,919
TOTAL LIABILITIES AND NET ASSETS	\$13,125

Expenses taken from statement of functional expenses. A complete copy of financial statements audited by BerryDunn, LLC is available upon request from: Medical Care Development Inc., 105 Second St., Suite 2A, Hallowell, ME 04347

*in thousands

MEDICAL CARE DEVELOPMENT, INC. (MCD)

Improving the health and wellbeing of people

Our Mission

MCD's mission is to improve the health and well-being of people worldwide through enduring, high quality, cost-effective, and universally accessible solutions.

Our Vision

MCD envisions a world in which all people have access to high-quality and enduring solutions to improve and maintain their health and well-being. MCD aspires to be a premier partner of choice and an internationally recognized leader, innovator, and trusted partner in applied, cross-national public health solutions.

Our Identity

MCD is a global public health organization recognized in the U.S. and internationally as a leader, innovator, and trusted partner in the design, implementation, and assessment of high-quality, enduring programs in public health.

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