



# Annual Report: Generational Health Foundation

April 10, 2022



## A Message from the Founders

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It has been less than 15 months since we officially launched the Generational Health Foundation, and we have enjoyed ourselves every step of the way!

As we set off on this journey with lofty goals, we are not embarrassed to acknowledge that we failed to hit our annual target of 100 free surgeries in the last twelve months (ending February 2022). We set a high bar for ourselves and we will continue to hold ourselves accountable to the task.

During the aforementioned time period, we raised over GHS 26,000, or roughly one-tenth of our initial target. With the proceeds of those donations, we completed 12 surgeries of varying complexity and exclusively sponsored one outreach mission to the Kumasi Central Prison, where we screened 150 inmates for (i) conditions requiring surgical intervention and (ii) diseases such as HIV, Hepatitis B, malaria, etc.

Indeed, we are grateful to all donors and supporters of the Generational Health Foundation, but we are also aware that we have a lot more work to do.

We hope you may continue to support us in achieving our mission, and look forward to a successful year ahead!

With Best Regards,

**CEO & Chairman**

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## **I. The Problem**

II. Our Solution

III. Intro to Generational Health Foundation

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# The Problem

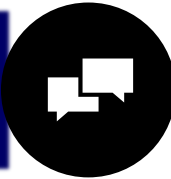
Significantly Low Operation Rate



## Magnitude of the Problem – Facts and Figures

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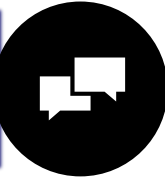
**The operation rate in Ghana falls significantly short of the Lancet Commission benchmark of 5,000 operations per 100,000 people, indicating a large unmet need.**



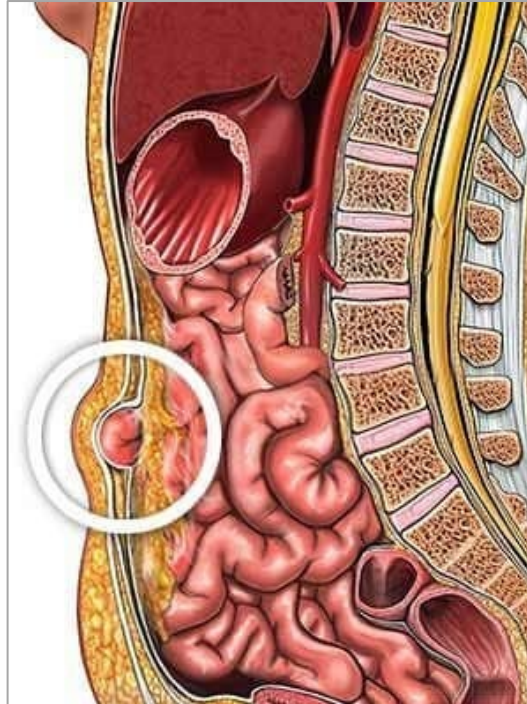
- The Lancet Commission on Global Surgery recommends an annual rate of 5,000 operations per 100,000 people as a benchmark at which low and middle income countries (LMICs) can achieve most of the population-wide benefits of surgery.
- A 2018 study conducted by Dr. Adam Gyedu et al and published in the Annals of Surgery (a peer-reviewed medical journal of surgical science and practice) pegged Ghana's annual surgical rate at 869 operations per 100,000 people.
- 62% of operations were performed at district-level hospitals.
- 54% of district level hospitals did not have fully trained surgeons, but nonetheless performed 36% of district-level hospital operations.
- **Reasons for the low annual surgical rate in Ghana (World Journal of Surgery, 2015)**
  - Insufficient personnel.
  - Poverty.
  - Lack of education on surgical diagnoses.

## Magnitude of the Problem – Specific Case Study (Hernia) 1 of 2

Hernia affects people of all ages and sexes. When left untreated, hernias can lead to dire consequences for the patient.



- ▼ Hernias can become obstructed and may lead to intestine or tissue strangulation.
- ▼ Tissue strangulation causes bowel death which requires emergency surgery.
- ▼ In the event that emergency surgery is not undertaken, the patient may suffer irreversible damage to the bowel or may even die.

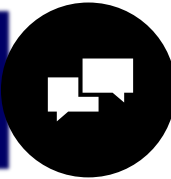


The hernia case illustrated above is a real case that Dr. Charles Poku encountered earlier last year. The patient presented himself at the Poku Transport Hospital complaining about body pains... and not the hernia! This situation is not a unique one. There are hundreds of unreported hernia cases in Ghana. **Why?** (i) a lack of knowledge, (ii) inability to afford treatment, (iii) a distrust of the medical system, and (iv) fear or anxiety.

## Magnitude of the Problem – Specific Case Study (Hernia) 2of2

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Untreated hernia cases (alone) would inflict a significant burden on our health systems and the economy at large.



- The prevalence of inguinal hernia in Ghana is 3.15% (Beard et al, 2013).
- The annual incidence of symptomatic hernia in Ghana is approximately 210 per 100,000 people.
- At the estimated hernia repair rate in Ghana of 30 per 100,000 people, a backlog of over 1 million hernia cases will develop over the next 10 years.
- The cost of repairing all symptomatic hernia in Ghana is estimated at **53,000,000 USD**.
- **106,000,000 USD** would be required to eliminate hernia over a 10 year period. Nearly 5 million disability-adjusted life years (DALY) will be averted with the repair of all prevalent hernia cases in Ghana.
- Gyedu et al, 2020 showed that 74% of hernia operations were performed at district level hospitals. 38% of these operations were performed in facilities without fully trained surgeons.

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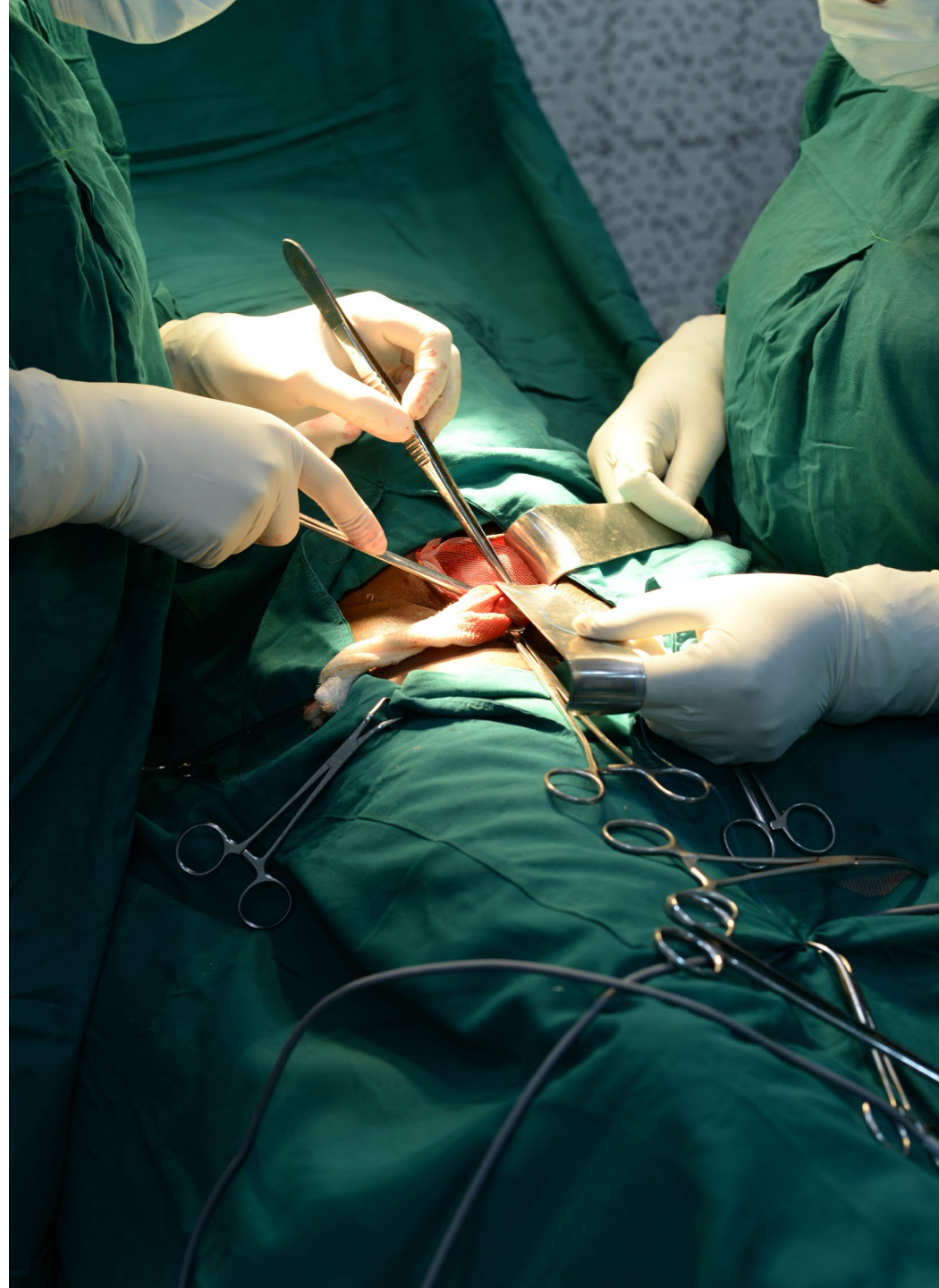
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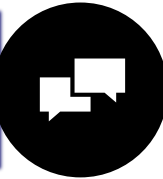
# **Our Solution**

**Surgical Outreach Missions**



# Benefits of Surgical Outreach Missions

While surgical outreach programs are not the only solution to improving access to medical and surgical care in rural communities, it serves as an important first step in the process.



Some **benefits** of surgical outreach missions include the following:

- Reduced burden of disease.
- Reduced stress on rural and district health systems.
- Increased socio-economic development (benefits to individual, family, community and nation).
- Increased access to health specialists in remote areas.
- Increased knowledge level of beneficiaries on common ailments.
- Increased quality of care and confidence in the health system.
- Continuing education for health workers.
- Sense of fulfilment and patriotism amongst volunteer health professionals.



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# **Generation Health Foundation**

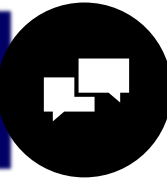
**Profile on Non-profit Organization and Fundraising Brochure**



## Generational Health Foundation – Overview (1/2)

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**The Generational Health Foundation (GHF) is a Non-profit Organization contributing to reducing the disease burden in rural communities via surgical outreach missions**

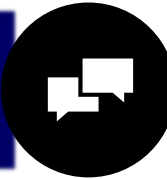


GHF is a **Company Limited by Guarantee** fully registered with the Registrar General's Department and the Department of Social Welfare in Accra, Ghana. The organization:

- Engages in public-private partnerships that advance healthcare delivery, increase medical access and provide surgical care to patients in rural communities across Ghana, West Africa – **Mission Statement**.
- Offers **100 free surgeries annually** to address medical issues that can be remedied via (i) minor/major general surgery, (ii) reconstructive surgery, and (iii) obstetric and gynaecologic surgery.
- Is led by a team of **licensed and experienced** physicians and surgeons to deliver first-rate surgical care to patients.
- Consists of a **growing network** of doctors and healthcare volunteers from its recruitment of local and international talent to assist in the pursuit of the organization's mission statement.

## Generational Health Foundation – Overview (2/2)

GHF is committed to providing patients with access to first-rate medical facilities and quality care via its partnership with the Poku Transport Hospital



- The Poku Transport Hospital (“the Hospital”) is a **family-owned, private medical institution** located in the heart of Kumasi, Ghana.
- The Hospital provides **general and specialist medical services** to patients both locally and nationwide and also offers 24 hour emergency services, 7 days a week.
- Poku Transport Hospital is locally known as the “**hospital of choice**” as it offers patients access to some of the very best medical facilities in the country.
- GHF, in partnership with the Poku Transport Hospital, will **lead surgical outreach** efforts nationwide.



# Generational Health Foundation – Leadership Team

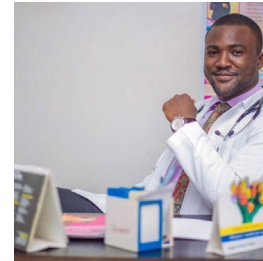


**Richard K. Fordwor**

Co-founder, Chairman



Richard Fordwor is an investment professional based in New York City. Previously, Richard specialized in transactions such as corporate financings, Mergers/Acquisitions, and corporate partnership deals for companies in the biotech, pharmaceuticals, medical device, and digital health space. Richard holds a Bachelor of Science Degree in Chemical Engineering from Columbia University.



**Dr. Charles Poku, Jr.**

Co-founder, CEO



Dr Charles Poku is a medical officer at the Komfo Anokye Teaching Hospital. He also serves as the Principal Medical Officer and Chief Operating Officer at the Poku Transport Hospital. Dr Poku has a keen interest in public health and issues related to maternal/child health. He obtained his Bachelor of Medicine and Bachelor of Surgery degree from the University of Ghana School of Medicine and Dentistry.



**Dr. Charles Poku, Sr.**

Medical Advisor



Dr. Charles Poku is a consultant paediatrician and the Chief Executive Officer of Poku Transport Hospital. Dr. Poku is a member of the Royal College of Paediatrics and Child Health (UK), Fellow of the Ghana College of Physicians and Fellow of the Royal College of Physicians (Edinburgh).



**Dr. Boutros Farhat**

Head Surgeon



Dr. Boutros Farhat is a specialist surgeon at the Suntreso Hospital, Kumasi. He obtained his Bachelor of Medicine and Surgery degree from the Kwame Nkrumah University of Science and Technology in 2001. He completed his surgical residency training in 2009 and qualified as a Specialist General Surgeon. Dr. Farhat has an additional 8 years of training in plastic/reconstructive surgery.

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## Inaugural Outreach Project – Health Screening at Kumasi Central Prison (1of 3)

In partnership with the Federation of Ghana Medical Laboratory Association (FG-MELSA), GHF completed a health promotion and surgical screening project at the Kumasi Central Prison on February 16, 2022.

Health screening services provided to the inmates included:

- Hepatitis B.
- HIV.
- Malaria.
- ABO Blood Grouping.
- Blood Pressure.
- Fasting/Random Blood Glucose.
- Sickle Cell Anemia.
- Physical examination for surgical conditions.



A total of 150 inmates and officers completed the screening. Of the 150 patients screened, 14 suffered from conditions requiring surgical intervention. Efforts are being made, in conjunction with authorities at the prison service, to arrange for GHF to perform many of these surgeries free of charge.

# Inaugural Project – Screening at Kumasi Central Prison (2of 3)





# Inaugural Project – Screening at Kumasi Central Prison (3of 3)



## Completed Surgeries (February 2021 – 2022)

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Patient No.1, Hernia –  
General Surgery



Patient No.2, Melanoma –  
Reconstructive Surgery



Patient No.3, Lipoma –  
General Surgery



Patient No.4, Hernia –  
General Surgery



Patient No.5, Hernia –  
General Surgery



Patient No.6, Lipoma –  
General Surgery



# Completed Surgeries (February 2021 – 2022)



Patient No.7, Hernia –  
General Surgery



Patient No.8, Lipoma –  
General Surgery



Patient No.9, Lipoma –  
General Surgery



Patient No.10, Lipoma –  
General Surgery



Patient No.11, Hernia –  
General Surgery



Patient No.12, Hernia –  
General Surgery

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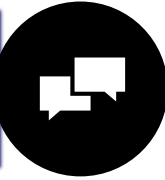
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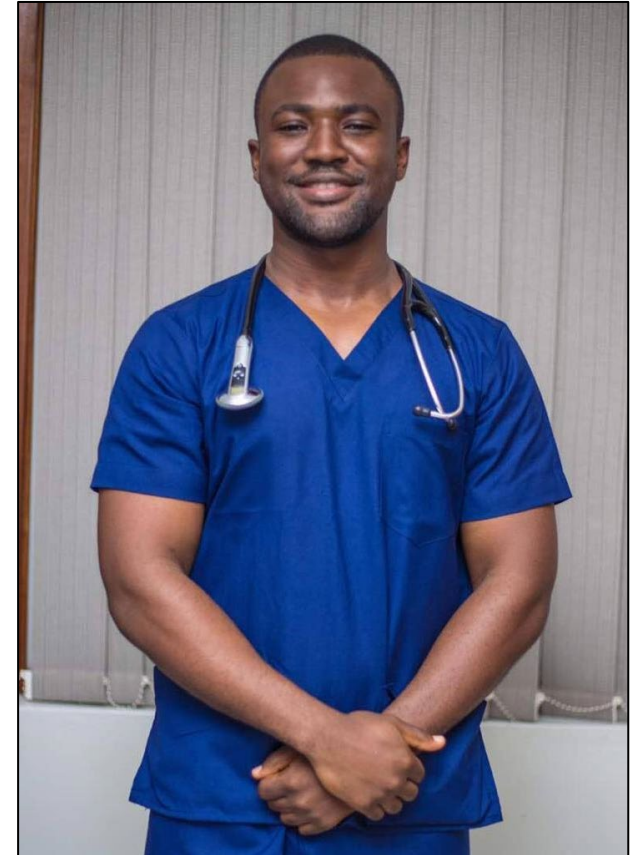
## Plans for the Near Future

**While GHF has completed one health/surgical screening outreach program for 150 prison inmates and completed 12 general & reconstructive surgeries in the last 14 months, there is still much to do!**



In the next twelve (12) months, GHF plans to do the following:

- Raise \$10,000–20,000 USD in external grants/funding to achieve its annual target of 100 free surgeries.
- Enroll an additional number (i.e., 3-7) of medical practitioners, volunteers, and surgeons.
- Bring on an Obstetrics and Gynaecology specialist to lead GHF's OBGYN-related surgeries.
- Complete a surgical outreach mission in Sokoban Wood Village.
- Hire a regional manager for Greater Accra.
- Secure partnerships with other medically focused non-profit organizations and private corporations nationwide.





# Generational

## Health Foundation



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