



# Annual Report 2022

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### Foreword

Kazi imeanza. The work has begun.

How wonderful to be able to look back on our first year and see what has already been accomplished. After Joost, Esther and myself started as board members, we quickly understood that there was a lot of work to be done. We didn't have to think long about who to ask to join the ranks as board members.

Marvyn had recently visited Shirati to contribute as a doctor. But above all he has a big heart for Shirati, which is also the most important requirement to be allowed on the board. Furthermore, together with Joost, he initiated the Schistosomiasis Outreach Project and also brings financial expertise. He will therefore support Esther in the treasurer position.

Mick spent a short period in Shirati, but this was enough for him to decide to get involved with the Shirati Foundation. IT specialist by profession, may it be clear where his skills come in handy. In no-time a professional website came online including a donation module. He also manages our social media, Instagram and LinkedIn.

Victoria has been coming to Shirati for years and created the Shirati Food Program. This program was supported by a German foundation, but in the context of cooperation, she joined us. She is also a PhD candidate at the University of Maastricht doing research on malnutrition in Shirati, including the use of our self-produced therapeutic food.

I am incredibly grateful to be able to connect in Shirati with all these wonderful people. Especially because I know that our activities will last, thanks to this foundation, even if we are not always present in Shirati ourselves.

I am even more grateful to the people in Shirati, who welcome us so warmly each time and make us feel that there is a place in Tanzania where we can always go to.

Nathan Beijneveld,  
Chairman Shirati Foundation

## Targets for 2022

In 2022, Shirati Foundation committed to the following:

- Provide a consistent supply of, locally produced RUTF (therapeutic food), to reduce the impact of malnutrition within Rorya district. Conduct research to understand the risk factors behind malnutrition.
- Provide one free, nutritious, meal per day for patients, admitted to Shirati KMT Hospital.
- To reduce the number of complications of schistosomiasis within Rorya, through semi-annual patient education and dispensing of medication in villages identified as high-risk areas. In addition, collection of data, to evaluate the success of this intervention.
- Study the prevalence and consequences of fractures within Rorya, as well as the possibility of collaboration with local bonesetters and their treatment.
- Support Shirati KMT Hospital in the form of education and resources where local need is greatest (e.g., ETAT training and diagnostic equipment).

## Board Report

### Shirati Peanut Project

- We produce specially fortified soy milk and peanut butter, ready-to-use therapeutic food (RUTF) for the treatment of acute malnutrition in children. We combine this with research and education around the topic of malnutrition.

- On June 30, 2022, the "Mwenge wa Uhuru," the Torch of Freedom came to Shirati KMT Hospital. Every year the Uhuru Torch goes around the country to appreciate special projects, and this year the Shirati Peanut Project was chosen. Besides being a great honor, we received a lot of media attention, even on national television. Resulting in interest from the Ministry of Health in our project.

- We started production on a small scale with a lot of manual work. But we soon found out that we needed to buy serious machinery such as an electric peanut peeler, a peanut grinder

and an industrial mixer. With these, today we process 50kg of peanuts and produce about 600 bags of RUTF and 140L of F75 per month. However, we also realize that further expansion of production will require larger and even more stable machines.

- Training: in November 2022, we trained all clinical officers working at Shirati KMT Hospital in the care and treatment of acute malnutrition in children.

- Research: We conducted research on the acceptance and suitability of our locally produced products among parents of malnourished children. It was found that the vast majority (>90%) of those surveyed accepted the product in terms of taste and form of administration. However, there was a large proportion of patients (46%) who did not return to their follow-up appointment. During home visits to these people's homes, the biggest barrier appeared to be transportation to the hospital (financial) and lack of knowledge about why they needed to come back to the hospital.

- Plans for the future: Next year we want to further professionalize the production unit in order to increase the production capacity. We also want to focus more on prevention of malnutrition, through education and training, and new collaborations with other organizations such as Maji Safi, a local NGO. We will continue the research in order to further improve our follow up process.

### **Bone Setter Project**

- Research focused on the impact of fractures in rural Tanzania, the influence of traditional bonesetters on them, and the possibility of systematically improving care through collaboration.

- This year the Bonesetter Project was well received: we won the Albert Schweitzer Vakjury- and Audience Award, received research funds from the Otto Kranendonk Fund and the Global Surgery Foundation, and Delft Imaging pledged a portable X-ray machine, worth 70,000 euros. This more than covers the estimated research costs!

This year we began the start-up phase. Many experts have provided input, to get our research methodology as strong as possible. Soon we expect to submit our proposals for medical-ethical approval.

In addition, we have already started to break the ice with the bonesetters, which has been successful with the help of Tanzanian partners: so far we have already interviewed 33 bonesetters about their work and a possible collaboration!

- This will be an important year, in which after medical-ethical approval we will do most of our data collection. We also want to give two interns the opportunity to contribute to the project. Finally, we will work to raise the orthopedic level of the hospital, through collaboration with both Dutch and Tanzanian surgeons.

### **Schistosomiasis Outreach Shirati**

- The Schistosomiasis Outreach Shirati (SOS) was held for the first time in 2022. Due to the large numbers of patients with preventable but often terminal liver failure in the hospital, it was decided to provide education and distribute medication in the fishing villages

themselves. Tropical physician i.o. Maud Bekedam laid the foundation for this project by researching for her thesis project the reasons why fishermen do not periodically treat themselves with the highly parasitic drug praziquantel.

In May 2022, the pilot of SOS was run. In two fishing villages, Nyamagaro and Kibuyi, a total of about 300 fishermen, fellow villagers and family members were retrained and treated. The training was provided by our local partner Maji Safi. A plan was drawn up to return to these villages twice a year.

In November 2022, we ran the project at full scale for the first time, expanding to a third village: Bubombi. In addition to Maji Safi, this time a partnership was established with the local government. Tropical doctor i.o. recorded the method of outreach in a detailed script for his graduation project. Some 900 Tanzanians were retrained and treated in the three villages collectively.

The SOS is a learning project, and will continue to take shape in the coming years. A first change is moving the outreaches from rainy periods to dry periods. Therefore, in 2023, outreaches will take place only once in each village: in May in Nyamagaro and Bubombi, and in July in Kibuyi. After that, outreaches will take place every January and July.

A second improvement process is underway for reaching the target group where the most profit can be made: young fishermen between 15 and 25 years of age, in whom the symptoms of the disease are not yet advanced. We collect a lot of data during the outreaches, and it appears that this group is underrepresented. In collaboration with the University of Groningen, we will investigate locally why we do not reach this group well and how we can solve it. A group of Bachelor of Medicine students will devote their bachelor thesis to this.

### **Shirati Food program**

- We provide one free meal a day for patients admitted to Shirati KMT Hospital, with a focus on pediatric, maternity and pregnancy wards.

- 2022: Daily meals were cooked for 50-80 patients depending on how busy the ward was. That means more than 18,000 meals were prepared in the past year. The long-term head of the program, Martha Ogonga, passed away at the end of 2022. We are very grateful for all she has done for the project. But that also means that we have to find a replacement for her or change the structure within the project, a process that is still ongoing today. Temporarily Fred Chacha, local contact person for procurement and finances of the project, has taken over this function.

- The Shirati Program was previously part of the German foundation INIGEM e.V. In early 2023, we will dissolve the German foundation and the Food Program will become fully part of Shirati Foundation. All finances will then also go through Shirati Foundation.

- Furthermore, in 2023 we plan to expand the management of the Shirati Food Program locally in Shirati. We would like to work with dietician Stella Makori to create new nutrition plans and thus a new menu for our patients. In addition, we would like to switch from cooking

from wood-fired fire to gas.

### **Digital environment**

- For the visibility of the foundation, to demonstrate our legitimacy, and simply as a source of information, it was necessary to have a professional website. With the help of a designer friend and a Wordpress/SEO specialist friend, we quickly established a foundation. With general information, details about the projects, and news updates, this is a central place for other organizations, potential donors, and other interested parties. Weekly and sometimes daily, we iterate on the website to add additional features or provide more information. For example, since a few months we offer the website also in English, a page has been added for our Cycle for Shirati crowdfund action, and we are constantly working on bug fixes, performance, and security.

- We created the donation module through [Stripe](#). This makes it extremely easy for visitors to the website to make a donation (one-time or recurring), and on the back end clear to us where the donations come from. Now offering this option from mid-November 2022 to the present (mid-April 2023), we have raised ~6000 euros through one-time donations, and 1260 euros through monthly contributions.

- We are getting help from SDIM, a company that deals with optimizing google search, among other things. As an ANBI foundation we get the opportunity to place ads on google for free. They monitor search terms for us and set up campaigns for them.

- An [Instagram account](#) and [LinkedIn page](#) have been created to inform people and organizations about our activities.

- All members of the foundation board and organization of Cycle for Shirati have an "@stichtingshirati.nl" email address to ensure a professional appearance in our communications.

### **Education**

- This year we funded one doctor and one nurse, Sese and Oyiengo, along with the hospital, to attend a multi-day **burn course** in Haydom. Both returned enthusiastic. Meanwhile, there are even tentative plans to open a burn unit in Shirati, in collaboration with the plastic surgeon at the referral hospital, Bugando Medical Centre!

## **Plans for 2023**

### Cycle for Shirati

This October an exciting bike ride is scheduled: Cycle for Shirati. This ride starts in Mwanza and ends in Shirati and follows dusty roads along the shores of Lake Victoria. With the help of the participants, we are trying to raise as much money as possible for our foundation. We are very much looking forward to it!

Training/Education: ETAT

We have set ourselves the goal of organizing the ETAT training every year in Shirati. This training focuses on the acute triage and care of sick children. Since most children die in hospital within 24 hours, this training can greatly improve care. We have seen this in previous ETAT trainings that have been given. Since knowledge always fades away, it is essential to keep giving this training and make it part of the routines in the hospital. We want to train all doctors and nurses who come into contact with sick children. Our goal is that eventually this training can be given by Tanzanian doctors from Shirati.

## **Financial Statements**

Attached below are the interim financial statements for extended fiscal year 2022-2023, with the balances as of the end of 2022. Our foundation is financially sound and has sufficient funds to cover the intended projects in 2023. We are blessed with the support of a number of regular donors, giving us the assurance that we can continue our projects over a number of years. In addition, we receive occasional individual or coordinated donations, often from students and other people who have been involved in our work and raise funds in their communities as a result.

We anticipate that in 2023 the Shirati Food Program, which is currently financially housed in a separate German foundation, will be integrated into Shirati Foundation.

A more detailed explanation of the financial statements will follow with the close of the extended fiscal year, but if there are additional questions in the meantime, please contact [penningmeester@stichtingshirati.nl](mailto:penningmeester@stichtingshirati.nl).

**Stichting Shirati**

**Financieel verslag over verlengd boekjaar 2022-23**

**Boekhouding.**

**Resultatenrekening 2022**

Omschrijving	INKOMSTEN		UITGAVEN		Opmerkingen
	Resultaat 2022	Begroot 2022	Resultaat 2022	Begroot 2022	
Projecten					
Schistosomiasis Outreach Shirati (SOS)	2.639,99	2.000,00	-1.166,53	-2.000,00	
Bonesetter Project (BSP)	9.399,99	0,00	0,00	0,00	
Shirati Peanut Project (SPP)	13.899,70	11.700,00	-3.664,32	-2.461,00	
Shirati Food Programme (SFP)	0,00	0,00	0,00	0,00	In 2022 nog gescheiden boekhouding
<b>Algemeen</b>	<b>5.192,98</b>	<b>1.000,00</b>			
Opleiding, onderwijs en onderzoek			254,42	-250,00	
Bankkosten			-1,00	-200,00	
Website			-232,85	-250,00	
Bestuurs- en vergaderkosten			0,00	0,00	
Overige	0,00		-0,01	0,00	
<b>Toevoeging/onttrekking reserves</b>					
Algemene reserve	0,00	0,00	-4.704,70	-300,00	
Schistosomiasis Outreach Shirati (SOS)	0,00	0,00	-1.473,46	0,00	
Bonesetter Project (BSP)	0,00	0,00	-9.399,99	0,00	
Shirati Peanut Project (SPP)	0,00	0,00	-10.235,38	-9.239,00	
Shirati Food Programme (SFP)	0,00	0,00	0,00	0,00	
	<b>31.132,66</b>	<b>14.700,00</b>	<b>-31.132,66</b>	<b>-14.700,00</b>	

**BALANSEN**

Omschrijving	Bezittingen		Schulden	
	Ultimo 2022		Ultimo 2022	
Algemene reserve			4.704,70	
Reserve Schistosomiasis Outreach Shirati (SOS)			1.473,46	
Reserve Bonesetter Project (BSP)			9.399,99	
Reserve Shirati Peanut Project (SPP)			10.235,38	
Reserve Shirati Food Programme (SFP)			0,00	
Rekening courant Triodos	25.813,53			
Rekening courant NMB				
Debiteuren/crediteuren	0,00		0,00	
	<b>25.813,53</b>	<b>0,00</b>	<b>25.813,53</b>	<b>0,00</b>