

Annual report 2022



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This chapter provides an overview of the structure of this annual report. Furthermore, it elaborates on the background as to why this report has been written.

1.1 Structure of the report

This report discusses the following topics; the mission and vision of Eye for Zambia, local team, board members and governance structure. This is followed by a report on the 2022 activities, the strengthening of human resources as well as the impact of COVID-19 on activities of the foundation. In the next chapter, the profit and loss statement will be discussed which is followed by the balance sheet. This annual report also provides insight in our plans for next year. The final chapter comprise the conclusion and the approval of the board. All valuta as shown in this report are Euros unless stated otherwise.

1.2 Background of the report

The main purpose of this report is to provide (financial) accountability to its stakeholders.

The Eye for Zambia foundation was established in 2016. The foundation is ANBI-certified by the Dutch Tax Administration. The Dutch Tax Administration can designate an institution to be a "Public Benefit Organisation" (Dutch: Algemeen Nut Beogende Instelling, ANBI). Eye for Zambia is registered with the following number: 856314924.¹

At least 90% of the efforts of an ANBI have to be focused on the general good. If in a calendar year the sum of someone's gifts to ANBIs exceeds 1% of the Dutch threshold income, the excess, with a maximum of 10% of that income, is deductible income. In order to maintain this ANBI-status, it is of crucial importance to provide the necessary information throughout this annual report



Figure 1 Macha Mission Hospital main entrance

¹ <https://www.eyeforzambia.org/wp-content/uploads/2019/05/ANBI-gegevens-1-1.pdf>



Figure 2 The Eye Clinic

Chapter 2 Mission and Vision

This chapter discusses the mission and vision of Eye for Zambia. Furthermore, it contains information regarding the team involved. The chapter concludes with an in-depth discussion regarding the governance structure.

2.1 *Mission and Vision*

Eye for Zambia's mission is: *Good eye sight for everyone*

This has led to the following mission statement:

"Towards good vision for everyone and improved quality of life for people living with avoidable and treatable blindness in the Macha region"

The Eye for Zambia foundation has contributed to the start-up and establishment of an eye clinic in Macha, Zambia, in strong collaboration with the Macha Mission Hospital.

Improving sight for residents of Zambia has an important side effect. Besides the enormous impact on a patient's quality of life, research shows that every euro invested generates 4 euros in economic profit. That is mainly because a whole cycle of poverty is being broken. Children are no longer needed to take care of their blind parents so that they can work again and their children can go back to school. This has an enormous positive effect on the economy of Zambia.



Figure 3 Outreach eye screening

The Lancet Global Health Commission described (Volume 9, Issue 4, E4890E/551, April 01, 2021) that many populations continue to suffer of the consequences of poor access to high quality eye care, leading to vision impairment and blindness. In Zambia, a country with over 19 million residents, a significant number of people is blind or visually impaired. Of this group, approximately 80% is unnecessarily blind or visually impaired. This because a lot of eye diseases are easily treatable with surgery (cataract) or glasses, with an enormous positive impact on a person's life. Furthermore, the number of ophthalmologists within Zambia is limited. Until recently on every million residents, there was about 1 ophthalmologist. Because of efforts of the government, this number is increasing, but still not exceeding 3 ophthalmologists per million. Compared to the Netherlands (44 ophthalmologists per million residents) and the United States (81 per million) this is very limited. Another problem is the lack of knowledge on this subject. Of the people with cataract, 43% is unaware of possible treatment. Also

reaching good eye care is often impossible due to high transport costs and long travelling distances.

The Zambian government and the Zambia Ophthalmology Society have a great ambition to strengthen the eye care sector. This by creating more training facilities for ophthalmic nurses and ophthalmologists. In accordance with this mission and in collaboration with the above parties, Eye for Zambia contributes to the treatment of patients and the training of healthcare personnel.

In short, good eye care is much needed in Zambia and can make an important contribution to the mission of Eye for Zambia: good vision for everyone

2.2 Local team

Figure 2 The local team working at the Eye Clinic by December 2022

NAME	SEX	POSITION	Team Member Since
Elton Munguya	M	Clinical Manager	Aug/19
Osward Muzamba	M	Logistic Officer	Sep/19
Bornwell Sindebuka	M	Optician	Jul/19
Bridget Muleya	F	Cleaner	Jul/19
Felex Mulazyi	M	Security Guard	Sep/19
Kebby Mweetwa	M	Security Guard	Apr/20
Manex Muntanga	M	Security Guard	Jul/22
Euphemia Zandala	F	Accountant	Jun/20
Luyando Munachilala	F	Nurse (in school now)	Dec/21
Abraham Mudenda	M	Nurse (in school now)	Jul/18
Antony Simfukwe	M	Nurse	Dec/21
Charles Hapaku	M	Nurse	Oct/22
Andrew Lungu	M	Nurse	Oct/22
Evony Masiye	F	Nurse	Oct/22
Patrina Mwaba	F	Optometrist	Oct/22

Medical staff is paid by the Zambian government except for the clinical manager. In a few years we hope all medical staff will be on the payroll of the Zambian government. The non-medical staff and the staff of the optic shop is (partially) paid by Eye for Zambia

Three staff discontinued working with Eye for Zambia in 2022. Euphemia Zandala and Lastone Hamusiya continued their career somewhere else. Annette Ngulube was reposted within the hospital.

Manex Muntanga started working as a security guard, Patrina Mwaba as an optometrist, Charles Hapaku, Andrew Lungu and Evony Masiye as general nurses (although the last two were reposted within the hospital on January 1, 2023).

The Board of Eye for Zambia is formed by the following people (as per December 2022):

- Chairman: B. W. (Bram) van Kooij
- Secretary: L.M. (Laura) Verkerk
- Treasurer: R.T. (Rinze) Beursken
- Member: M.A.M. (Mireille) de Laat

2.3 Governance structure

The board of Eye for Zambia is leading in the governance of the foundation. The meetings of the board have a periodicity of at least once every three months. The board amongst others focuses on sustainability of the donations as well as discussing the future strategy. The board members do not receive payment for their work for Eye for Zambia.

The Advisory Board of Eye for Zambia has the following members, who are also volunteers: Drs. S. Verkerk, ophthalmologist, and Dr. T. Verkerk-Brussee, optometrist. They advise both the board of Eye for Zambia and the clinic in Macha, which is managed by mr. Elton Munguya, clinical manager. Directly under the clinical manager are the nurses, and the logistic manager who is responsible for the other personnel. Mr. Munguya is the clinical manager and also the clinical officer, which makes him also accountable for the eye clinic towards the management of Macha Mission Hospital (both the Head of clinical care and the Medical Superintendent).

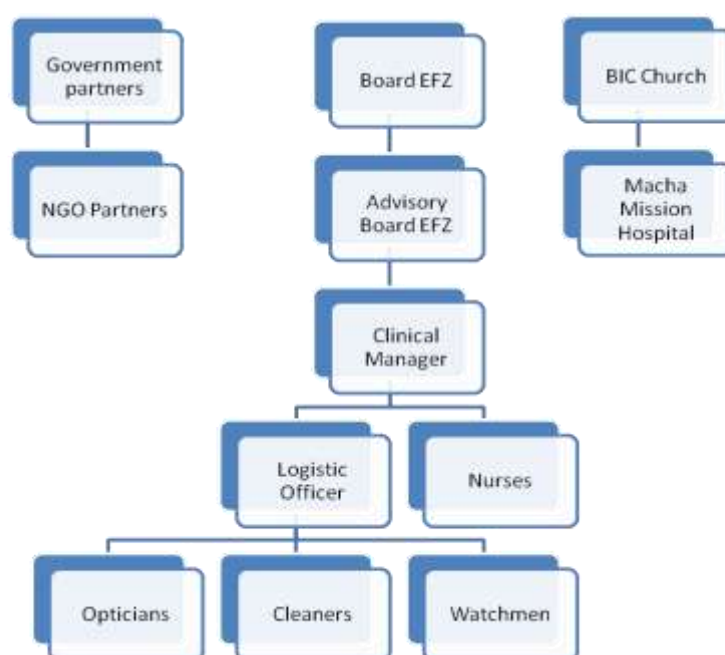


Figure 3 Organogram December 2022. NGO partners vary from international NGOs to Zambian based NGOs. BIC Church and Macha Mission Hospital are the Zambian partners of Eye for Zambia, which the workers also have to report to.

2.4 Clinic transferred to local staff

From January 2017 until March 2020 the Dutch ophthalmologist Samuël Verkerk and optometrist Tamara Verkerk – Brussee lived and worked in Zambia to set up the eye clinic together with the local staff. For three years local staff were trained to run the eye clinic, protocols were set up, an optic shop was established and so much more was achieved. From April 2020 the local management came into the hands of the clinical officer: mr. Elton Munguya. The transmission of the management to the local staff went smoothly. There is regular contact to ensure mutual involvement between the Netherlands and Zambia. The eye clinic is also visited by a representative of Eye for Zambia 2-4 times a year. In this way, local developments are monitored and ideas can be exchanged about the (future) policies of the clinic.



Figure 4. Patient tested for visual acuity

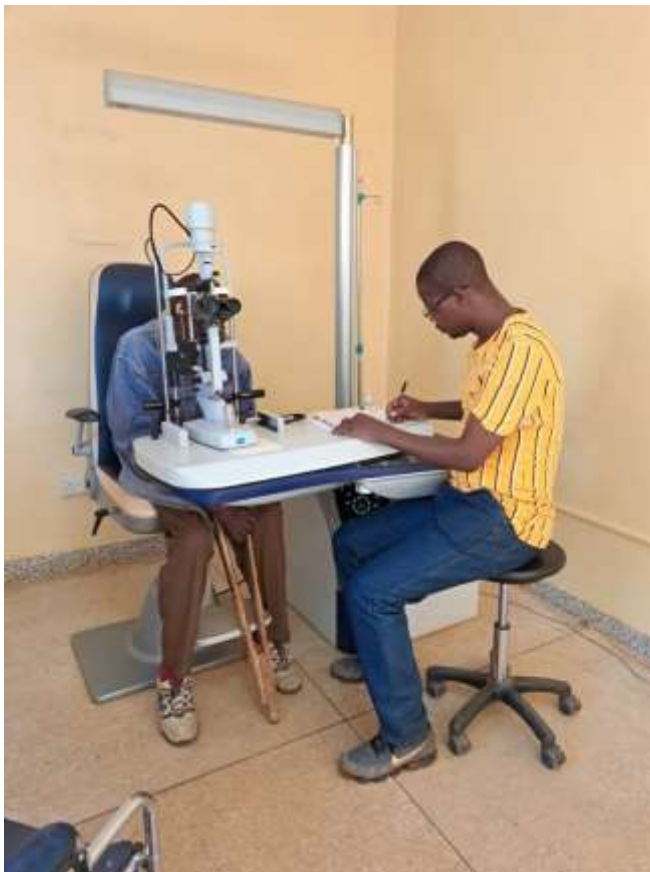


Figure 5 Screening a patient in the eye clinic



Figure 6 Volunteer removing eye patches from operated patients

Chapter 3 Clinical activities 2022

3.1 *Introduction*

In January 2017, Eye for Zambia started their activities in Macha Mission Hospital, Choma district, Southern Province, Zambia and surroundings by sending an ophthalmologist and optometrist to help set up an eye clinic which provides comprehensive eye care for the region and to be involved in eye care in the Southern Province of Zambia. In 2017, after obtaining the required documents, a cataract surgical service was put in place, the number of rooms was increased and plans were made to set up an optical shop.

In 2018 the clinical efforts continued. Logistics were improved and cataract services extended. The clinic also started dispensing prescribed glasses. The number of patients increased².

Because of lack of space, plans were further developed in 2017 to build a new eye clinic. The actual construction started in June 2018. In September 2019 the construction was finished, and the outpatient department was moved to the new building. A few months later the operating room was used for the first time after an extensive fumigation process. In 2020 the eye clinic was completely handed over to the local partners by Eye for Zambia, with the ophthalmologist and optometrist going back to The Netherlands. Because of COVID-19 they left earlier than planned, and hand over was done through the internet. In 2021 Eye for Zambia aimed for capacity building, and sent 2 employees (Elton Munguya and Abraham Mudenda) to school for upgrade of their diploma. In 2022, Elton Munguya finished his upgrade and became a Medical Licenciate Ophthalmology. In the same year one of the nurses (Luyando Munachilala) was sent to school to become an ophthalmic nurse.

3.2 *Impact COVID-19*

COVID-19 impacted the eye clinic in various ways. As mentioned before, the handover process was accelerated by the pandemic. The last details of the handover had to be done through Whatsapp calls and e-mail contact. The patient numbers also temporally decreased because of COVID and outreaches had to be cancelled. In the course of the year the number of patients increased again, because Zambia did not go into a lockdown. With the help of Fight for Sight and Wilde Ganzen, Eye for Zambia assisted the eye clinic in the purchase of personal protective equipment and non-contact thermometers for screening purposes. In 2021, continuing into 2022, the situation concerning COVID-19 was stable.

² Annual reports 2017, 2018 (<https://www.eyeforzambia.org/nl/anbi-gegevens-en-jaarverslagen/>)



Figure 7 Patients waiting to be seen at the eye clinic



Figure 8 Tent provided by Eye for Zambia to screen patients for COVID-19

3.3 Out patients and outreaches

After the COVID-19 pandemic and despite some employees who were at school, the total patient numbers of 2022 were higher than those in 2018- 2021. This was also due to support of Christoffel Blinden

Mission (CBM) who organised outreaches for cataract screening and school screenings.

	2016	2017	2018	2019	2020	2021	2022
Q1 New	161	235	661	570	628	709	1645
Q2 New	303	569	560	757	519	700	1029
Q3 New	353	624	850	487	739	575	1034
Q4 New	205	552	617	746	986	1300	724
Total New	1022	1980	2688	2560	2872	3284	4432
Total Including Reviews	n/a	n/a	4248	4185	5147	5050	6691

Figure 9 Overview of the number of patients per quarter and totals (2016-2022)



Figure 10 Mr Munguya and Mr Muzamba in the operating room

3.4 Age and sex distribution

In 2022, the numbers of patients were skewed toward teenagers, just like in 2021. The main reason for

this is the school screenings that took place. About 400 pupils were seen during these screenings. That taken into account, the age distribution per decade from the first up to the sixth decade would be very constant. The percentage of new patients below 18 was 33%. Because there are less older people than younger people in Zambia, the older age groups are relatively overrepresented compared to the younger age groups. 60% of the new patients was female, 40% was male, which is comparable to previous years.

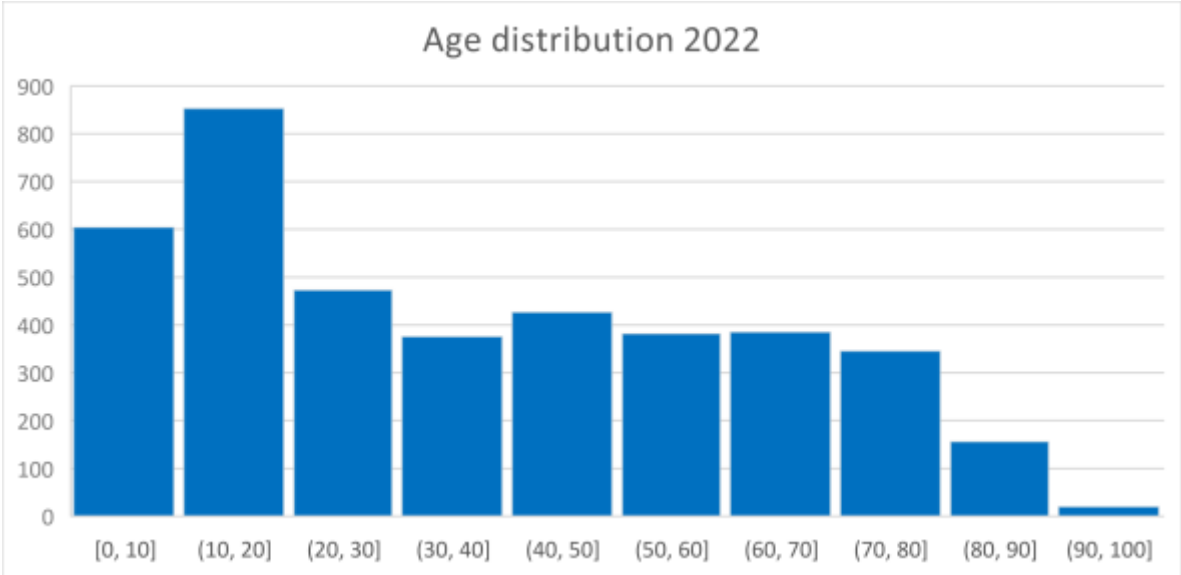


Figure 11 Age of patients

3.5 Home village

All new patients had their home villages and districts registered, as you can see in the figure below. Patients from outside of the province mainly came from Lusaka (12 patients). There even was a patient from Zimbabwe in 2022.

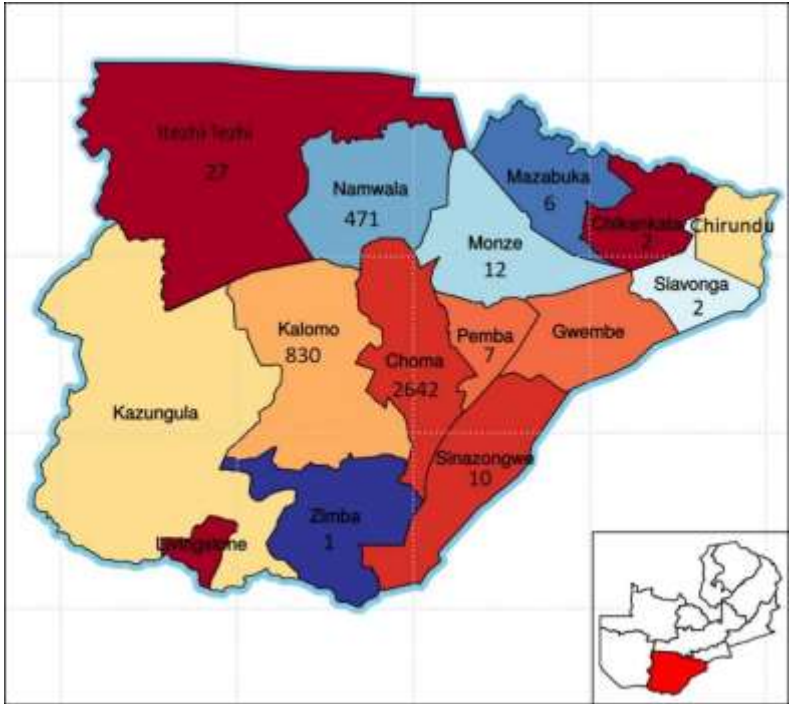


Figure 12 Distribution of origin of patients in 2022 (district level)

3.6 *Outreaches and school children*

A total number of 780 patients were seen during outreaches, and 396 children during school screenings.

3.7 *Operations*

In 2022 the number of operations was higher than previous years, mainly because of the help of CBM, who participated in outreach programmes and operating camps.

Procedure	Total
Small incision cataract surgery	251
Other cataract surgery (mainly phaco)	71
Evisceration	3
Excision and Chalazion	51
Repair	20
Trachoma surgery	7
Others	8
Total	410

Figure 13 Numbers of patients per treatment

The total number of SICS (small incision cataract surgery) was 251; and the number of other cataract surgeries 71. Just like other years, excisions of conjunctival growths and eviscerations (removal of the eye) were common operations. This year, the number of Trachoma surgery was higher than in the past years.

All surgeries took place at Macha Mission Hospital. The Eye for Zambia team did not perform procedures at other clinics. Most surgeries were done by the cataract surgeon and visiting ophthalmologists.



Figure 14 School children waiting for eye screening at the eye clinic



Figure 15 School children waiting for eye screening in school

3.8 Training and capacity building

Training of staff is a core value of Eye for Zambia. Effort has been made to recruit and select the most suitable people to work with the Eye for Zambia team. Elton Munguya was sent to Tanzania in 2017 to be trained as a cataract surgeon. His two year training was sponsored with help from Eye for Zambia. His training finished in August 2019. Because of new requirements of the Zambian government, he had an upgrade of his diploma to a Bachelor's degree in Ophthalmology in 2021. During the whole year he

was at school in Lusaka at Levy Mwanawasa University.

A training for Registered Nursing was funded for Abraham Mudenda and Patience Cheelo as a prerequisite for further studies to become an ophthalmic nurse. In 2021 Abraham Mudenda commenced his studies at Levy Mwanawasa University to become a Bachelor in Ophthalmic Nursing. He will be in training for 3 years. In 2022, Luyando Munachilala started her training for Bachelor in Ophthalmic nursing.

In collaboration with Christoffel Blindenmission, a training for Community Health workers was conducted. In this way, the quality of basic care of Community Health workers is improved, and they are more proficient to identify cataracts.

The eye clinic also provides practical training for students of the Macha School of Nursing and international exchange students.



Figure 16 Students observing an operation

Chapter 4 Profit and Loss Statement

This chapter contains the Profit and Loss Statement, please see overview below. Regarding the revenues, a distinction has been made between private individuals and foundations and enterprises.

On costs, the line 'transferred to local bank account' relates to a local bank account that is used for the optician's shop and local expenses. The total result of 2022 has landed on EUR 66k negative. Given the financial developments it is of crucial importance that additional financial donations will be received in 2023 in order to continue with eye care. If needed, additional information can be provided.

	2022	2021
<i>Revenues from fundraising private individuals</i>	29.953	16.975
<i>Revenues from foundations and enterprises</i>	900	25.725
Total revenues	30.853	42.700
<i>Reimbursement of expenses ophthalmologist and optometrist</i>	-	-
<i>Insurance costs</i>	605	130
<i>Costs for medicines and equipment</i>	-	-
<i>Training costs</i>	1.477	450
<i>Travel costs</i>	5.419	3.392
<i>Costs Elton Munguya</i>	-	211
<i>Other costs</i>	11.298	4.539
<i>Transferred to local bank account</i>	57.665	32.977
<i>Fight for Sight / Wilde ganzen</i>	20.000	-
Total costs	96.464	41.700
Result	(65.611)	1.000

Thank
you 

Chapter 5 Balance Sheet

Below the Balance Sheet per 31 December is shown. The realized result as shown in the Profit and Loss Statement in the previous chapter, is logically part of the equity.

	Dec-22	Dec-21		Dec-22	Dec-21
Fixed assets (car)	-	-	Equity start of the year	121.411	120.411
Stocks	-	-	Profit/loss current year	(65.611)	1.000
Receivables	-	-	Equity end of the year	55.800	121.411
Cash and bank equivalents	55.800	121.411	Other liabilities	-	-
Current assets	55.800	121.411			
Total assets	55.800	121.411	Total liabilities	55.800	121.411

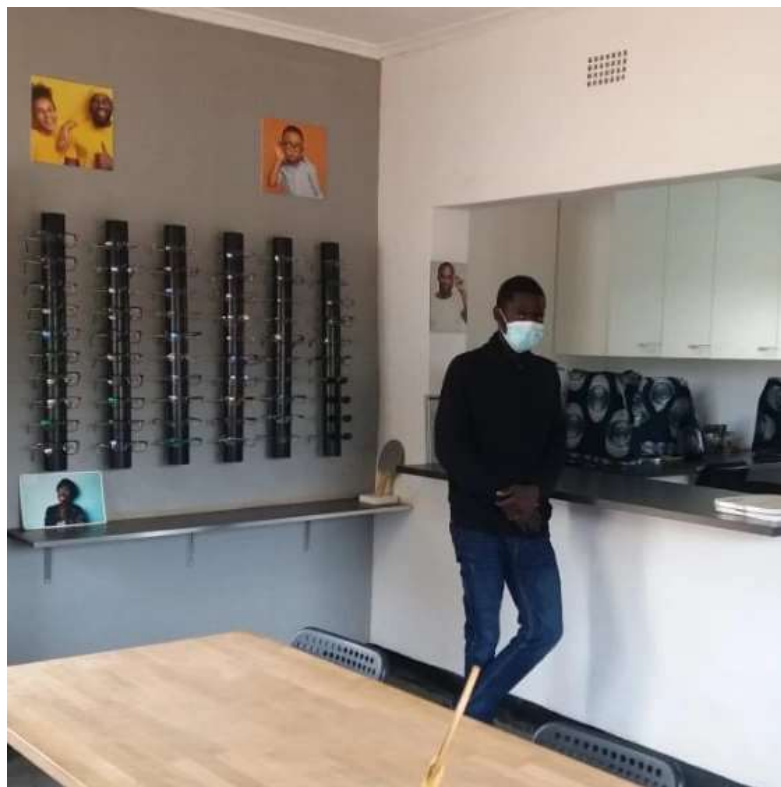


Figure 17 The optic shop at the eye clinic, mr Sindebuka, optician

Chapter 6 Plan for 2023

In the coming year, Eye for Zambia wants to continue working on its core activity, which is to offer integrated eye care to people in the Macha region and beyond. Plans for 2023 stem from the ambitions of the Eye for Zambia board, the ambitions of the local staff and new regulations from the government or Eye Society of Zambia.

In 2023, the focus will be on:

1. Outreaches are a very good way to reach patients. A hiccup in outreach planning is transportation. Transport of health workers to villages and transport for patients requiring specialized eye care at the clinic in Macha. Our goal is to organize good transport facilities for everyone who provides and needs eye care
2. The aim is to grow to at least 6500 unique patients. Patients in the Macha area now know where to find the clinic. However, people who live further away are limited by the great distance to get to the clinic. To see more patients, we will focus more on outreaches and collaboration with other clinics.
3. Various employees participate in courses and training. This will strengthen their knowledge and skills. Two people are training to become ophthalmic nurses.
4. Continuity of care is also an important point of attention. Although remote, as a board we try to keep close contact with the local staff, to motivate them and to see if we can meet their needs. This way we keep them tied to the clinic. We are also strengthening our local network with clinics inimba, Namwala and Choma.
5. Monitoring and evaluation. Because our communication is based on input and data from the local team, we have processes in place to ensure that the eye clinic is working properly and to the standards. Inventory maps, reporting logs and other resources are deployed in this way. Visits by the (advisory) board members will be continued this year.
6. Collaboration with local and international partners remains essential for the eye clinic. This leads to strong partnerships and sustainable financing. This is undoubtedly true for both NGOs and government actors (Eye health Coordinator, Provincial Health Director, the Zambian Ophthalmology Society, and eye care providers).
7. Special target groups (people living with albinism and school students) have been selected to provide ongoing care. This has been agreed because of the special focus on visually impaired in Macha. As a foundation, we want to invest in the clinic that is available to everyone, including vulnerable groups.
8. Efforts are also being made to reduce the risk of dropout, in particular by informing patients in the eye clinic and during outreaches. Working together with ambassadors (previously operated patients) to reduce anxiety receives continuous attention.

Chapter 7 Approval of the Board

Please note that this Annual report can be qualified as final after it has been signed by every member of the Board of the Eye for Zambia foundation.

Approval annual report 2022 members of the Board foundation Eye for Zambia

Chairman: B.W. (Bram) van Kooij



Secretary: L.M. (Laura) Verkerk



Treasurer: R.T. (Rinze) Beursken



Member: M.A.M. (Mireille) de Laat

