

### **Dear friends, supporters and donors** of Doctors for Madagascar,

Madagascar is sometimes referred to as the eighth continent - it is an island of mesmerising beauty, home to species that are found nowhere else in the world, full of vibrant colours and people. However, this extraordinary country of forests, tropical beaches and highlands is one of the poorest in the world. Approximately 75% of the population live on less than US\$ 1.90 a day. Changing climates in recent years have led to droughts, failing harvests and a lack of clean water, so malnutrition and waterborne diseases are rife. The last year and the COVID-19 pandemic have been devastating on global and local economies, pushing populations further into poverty. Use of essential health services has plummeted - a combination of sky-rocketing drug prices, fear of infection and poverty rates increasing at record level. The last year has brought a whole new set of challenges to an already struggling country, but our teams both on the ground and in Germany have not let that deter them.

Training, equipment and resources have been vital in Madagascar to help our team to carry out their work. More than 60 employees, including midwives, doctors, technicians, drivers and engineers, in four regions of the country, carry out their work with passion. Our team in Germany has also stayed strong, with doctors, technicians, software developers and global health researchers, in close contact virtually if not in person. Though the last year has kept us apart, our common goal unites us; to provide patients with high-quality and affordable healthcare.

It has been thanks to these incredible teams and their work that we have been able to continue and extend projects such as »mTOMADY«, our mobile maternal health wallet project, supported by the Else Kröner-Fresenius-Stiftung, so that patients can safely save and receive money for their health care. Maternal mortality rates are high in Madagascar, exacerbated by the long distances between villages and health facilities, but our »Maternal Health Project« continues to improve maternal and newborn health with support from the Else Kröner-Fresenius-Stiftung and ALTERNAID Foundation. And while the world has focused on one pandemic, pandemics such as tuberculosis continue - about one third of Madagascans are infected. But our »INTUBAA« project continues strong, and with our new eTB project we are improving communications within the National Tuberculosis Programme's network, thanks to the »Clinical Partnerships Initiative« of the German Development Agency (GIZ) and the Nord-Süd-Brücken Foundation.

You can read more about these projects, and many others, over the next few pages. Let us introduce you to the real Madagascar.

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Thanks to mobile ultrasound sessions, we are able to detect complicated cases early before

of the country in 71 healthcare facilities.

to delivery and beyond across 4 regions

ing they don't have to travel the long distances on foot. Sensitisation sessions, domestic visits and community health workers help to explain the warning signs, emphasise the importance of contraception and encourage

give the best care possible.

This year has not been without challenges, with restrictions on carrying out our activities freely and scared patients wanting to stay

the Else Kröner-Fresenius-Stiftung and the ALTERNAID Foundation this would not be possible. Thank you!





### Maternal health training

In February, our colleagues Dr Zava, Dr Rinja It was a pleasure for all of us to be with our and Dr Mahery came to Berlin for a training course on maternal health organized by the GIZ's »Clinical Partnership Initiative« - what a hello! These three doctors are the project managers and local coordinators for our maternal health activities in Anamalanga, Atsimo-Andrefana and Anosy in Madagascar. The training started with the history of midwifery in the world, and the value of midwives in the medical field. A key topic was the main causes of maternal mortality in resourcepoor communities, as well as the importance of communication and good leadership.

colleagues from Madagascar in Berlin!





- ◆ Dr Mahery, Dr Zava, and Dr Rinja (from left to right) in front of the Brandenburg Gate. It was wonderful to welcome our colleagues in Berlin!
- ▲ The training was organised by the GIZ for medical practitioners from around the globe





### Prepared for pregnancy

Often in Madagascar, patients are scared account as well, and Doctors for Madagascar to come to hospital because of unexpect- gave her a bonus of 50% of her savings. ed costs that threaten them with financial ruin. They can't risk treatment, as they This was all especially useful when her hussimply cannot afford it. But thanks to our Mobile Maternal Health Wallet, this was not the case for Nadia.

Nadia's first pregnancy had required surgery although it led to a healthy baby boy, she still wanted to be well prepared for her second second baby came in July, and even when ready for hospital care. Her friends and fam- She was able to pay for everything including ily were able to add money to her savings follow up health checks for her and her baby.

band lost his job due to COVID restrictions although his income wasn't much, it was enough to keep their little family fed. Without this source of income, money was tight, but with her savings account Nadia didn't need to worry about how to afford care. Her pregnancy. She joined our Mobile Maternal she needed surgery again, the money in her Health Wallet, so that she could save money savings account was there ready and waiting.



A mother and her newborn recovering in hospital

I regularly send money to my mother, so she can go to the hospital in case she needs treatment. And I can be sure the money is saved for her health.

Family member in Antananarivo

## TRANOMBAROTRA

Transparent and regular payments allow us to provide better treatment quality. Payments via mobile money save us a lot of time - which we can now spend on our patients.

Health facility staff in Antananarivo

**3,722** calls to our toll-free helpline for advice and financial consultation during pregnancy

**14,990** claims paid safely to health facilities

9,224 pregnant women used the Mobile Maternal Health Wallet to prepare for delivery

Users need only a simple mobile phone to access mTOMADY and start saving money for health care.



### Decades of disrepair making rural clinics »Bright and Clean« again

Due to a lack of funds to renovate and With the support of genialsozial, we startmaintain buildings, many public health ed the project »Bright and Clean«, working facility buildings are falling into disre- closely with our partners in Madagascar, and pair. Patients are treated in inappropriate prioritising sites most in need of repair. Incinconditions and doctors, nurses and mid- erators and latrines have been built, hospital wives are prevented from carrying out buildings repaired, and delivery and peritheir activities properly. Some health fa- natal rooms extended at 8 different health cilities lack a proper area for pregnant facilities. We have built accommodation for women to stay while waiting for deliv- staff, so that buildings can function fully and ery, who put their own and their baby's the quality of care is not compromised. health at risk by travelling several kilometres while in labour, while at others, The results are clear: thanks to »Bright and staff live in the building, preventing its Clean«, these health facilities are able to normal use. And without proper struc- function properly and provide safe care to tures like toilets and incinerators, hygiene patients. and cleanliness are harder to maintain, increasing the risk of infection.



The health centre in Agnavoha after renovation





### Triplets in Fotadrevo

When the midwife found triplets during Nina was cared for by the dedicated midries - carrying multiple babies increases sessions from our staff and volunteers, Nina the risk of complications, and how would Nina be able to afford the inevitable costs without fear. Born prematurely - common that brought?

The chances of having triplets are about one er for a while to recover. They all did well, and in 10,000 - it seems that Nina was this one. The 37-year-old lives in Fotadrevo in the south their five older siblings. of Madagascar, mother to 5 children and was already in a precarious situation. Like many We were able to fully cover the costs of Nina's families in this area, they rely on a good harvest to put food on the table, and there is not much left over to buy anything else.

Nina's ultrasound session at the primary wives of the health center in Fotadrevo. With health center in Fotadrevo, there were wor- their knowledge and skills, thanks to training was able to give birth to her three babies with triplets - they had low birth weights, they were kept at Fotadrevo with their moththe triplets were soon able to go home to

> care, which was a great help to her and her family. Otherwise, they would have run into debt paying the costs and pushed deeper into poverty.



Triplets and mother recovering after delivery



cles in order to carry out mobile screening sessions and sensitisation activities, reaching remote communities and one prison. Laboratory equipment and cool boxes have helped improve quality of diagnosis, and more than 5,000 cases of TB have been detected since the program began - a great success! We have also trained staff, created data registers to carry out these activities - thank you! of suspected and confirmed TB cases, and

observing treatment isn't feasible - and know who is due the next batch of medicine.

We are grateful to the support from the Nord-Süd-Brücken Foundation and the GIZ's »Clinical Partnerships Initiative« and »University and Hospital Partnerships in Africa« that allows us



### Three brothers

traordinarily beautiful, with grasslands brought to Ejeda, 75km away from their and moors, bio-diverse rainforests, and home. The boys were weak and lethargic, stunning beaches. It is a very different land- and quickly diagnosed with serious malaria. scape to the capital, Antananarivo - but it The family knew the symptoms well, as this also has a lower altitude, and this means wasn't the first time dealing with the disease more mosquitos. Malaria is a major health even this year - their older brother had alproblem in Madagascar, with over 2 million ready been treated for it earlier in the year. cases a year, but often simple methods of prevention are unaffordable for families in The three younger sons were immediately this area.

This was the case for Entekeve, Tsiandreza ered well, but unfortunately, Entekeve died and Esoaony, aged 4, 4, and 16 months. These two days after starting treatment. three brothers lived with their older brother and parents in the village Androipanao, in the The family could only afford the medical bill Ampanihy district, in a house made of sheets for one son; for the others, they said that they of wood. They have a bit of land to cultivate, had nothing more they could give. The rea tamarind tree, and a single chicken. Their maining costs were covered by our Destitute income: 50,000 Malagasy Ariary, or 10 € per Fund, a big assistance for the family. month, if the harvest is good. This means unexpected costs, or a bad climate, could push the family into extreme poverty.

The southern region of Madagascar is ex- When all three developed a fever, they were

started on antimalarial treatment through a transfusion. Tsiandreza and Esoaony recov-





Tsiandreza and Esoaony



- 47 community health workers (tuberculosis)
- 57 doctors, midwives, and nurses (obstetrics & gynaecology)
- **39** lab technicians and health workers (tuberculosis)
- 28 doctors, midwives, and nurses (emergency medicine)
- 5 drivers and technicians (equipment & vehicle maintenance)

**Health facilities included** in structured hygiene and patient safety improvement programme:

- 4 health centres
- 2 reference hospitals

It is an old saying: give a man a fish, and he'll eat for a day; teach him to fish, and he'll never go hungry. Training is an important small health centres and hospitals previously part of our work in Madagascar, equipping them with the knowledge they need to perform invaluable and lifesaving tasks.

In Antananarivo regular mother-child health and quality management training has taken place, with regular refresher courses for two centres each month. Midwives learn effective giene training in the south, health workers munities make informed decisions.

have a better understanding of how to improve their work, and with courses running in lacking hygiene standards have improved.

Community health workers are a key part of our outreach and sensitisation programmes these are the people most in contact with the community. Training, especially about nutrition, illness in pregnancy, and detecting and treating infectious diseases such as tumaternal healthcare, making sure that their berculosis, means that they are able to go out patients are well looked after. Thanks to hy- armed with information and help their com-

### **Emergency medicine** training for remote locations

I carried out emergency training for health my training was obstetric emergencies. Espeworkers and midwives at Ejeda hospital in cially in the case of infants, simple measures Madagascar.

As well as preventing complications, a DFM midwife's duty also includes treating pregnant women with complications and transkilometres can take a few hours or even days, children. depending on the weather. Midwives must the ambulance driver for support.

Madagascar suffer from dangerous complicabeings. tions much more frequently than in Europe. As a result, their new-borns are also often put Dr. Malte Antaszek (Anaesthetist, emergency medicine)

In January 2020 just before COVID-19 hit, at risk. Because of this, the central focus of such as suctioning off secretions and proper ventilation can literally save lives.

Ambulance drivers and other staff were also given First Aid training, so that they are able porting them, sometimes many kilometres, to assist the midwives in the case of emerto hospital safely. The poor road conditions gencies. Training sessions such as these are and rural landscape means that even a few invaluable in saving the lives of mothers and

frequently take life-saving measures on the Particularly impressive, even touching, for spot, or even on the roadside, often with only me was seeing how motivated and focused these midwives and co-workers are on their training, and how urgently they want to be Pregnant women especially in the south of able to competently help their fellow human



Villages are often several kilometres away from the nearest health centre



### LandCruiser Maintenance

We operate 5 LandCruiser ambulances at 3 locations in the rural south of the island where road conditions can be extremely challenging and the next garage is a 2 day trip away. LandCruiser specialists and volunteers Tom Zündel and Thomas Dahm from Deutscher LandCruiser Club e. V. gave driver and maintenance training for all our drivers for 2 weeks in January 2020 – just before the pandemic severely restricted travel to and from Madagascar. Since then, they have stayed in constant connection with our teams on site via WhatsApp supporting them with everyday maintenance issues. Our drivers are now much better equipped to take care of the vehicles our teams need for their daily work. Thank you!



Our driver Nassim filling up the engine oil



One of our vehicles parked on the way to a community outreach

### COVID-19 - and what it means for Madagascar

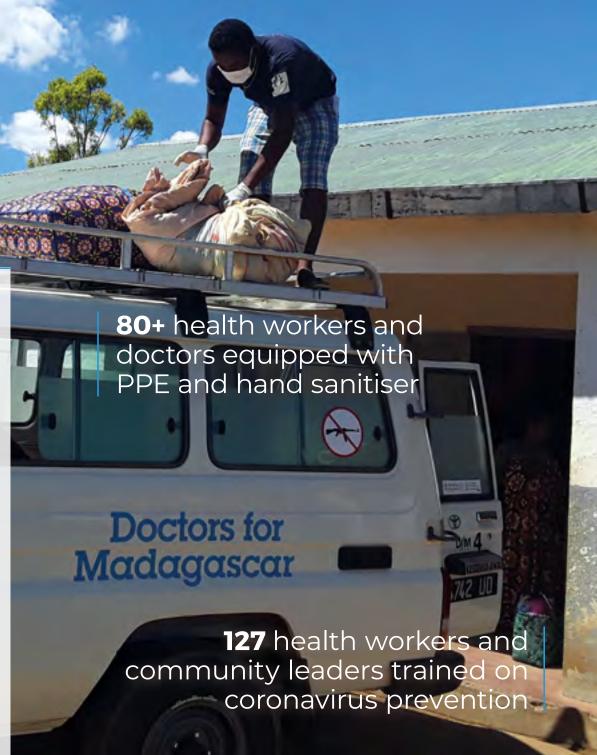
Like everywhere else in the world, Madagascar has not been left untouched by coronavirus. The number of confirmed cases in as anti-malarials, are nowhere to be found. Madagascar in 2020 was less than 20.000. and fewer than 300 deaths, with a population of just over 26 million. However, it is not so much COVID-19 itself that threatens the health of the population, but the social and has had devastating effects on the healthcare system and the rural poor, pushed further into poverty by lockdown restrictions, conditions persisting into 2021 and a poor harvest mean that there are few resources to fall back on and seasonal employment has dried up even further. As one of our doctors in Madagascar said, 'people are no longer thinking about their health, but how to afford food'.

Patients are afraid to come to the health centres for fear of infection or quarantine, vaccination campaigns have been suspended, and especially tuberculosis goes undiagnosed and untreated due to disruptions. We have the challenges the pandemic has brought.

observed rising costs and shortages of medical consumables and drugs, and some, such

Some of our work has been stopped or restricted, especially sensitisation activities: unable to bring big groups of people together, our teams have relied on focus groups and economic consequences. The pandemic home visits, which reach less people. We've continued our activities in line with state guidelines with added motivation, adapting where we need to. The GIZ and other donors unemployment and rising costs. Drought have helped us to smoothly and quickly reallocate funds to focus on reducing the impact of the pandemic. We've been able to provide training on coronavirus to health workers, including how to raise awareness of the importance of social distancing and hand washing, as well as provide personal protective equipment to our partners and teams.

> Our international cooperation and strong German-Madagascan relationships have never been more important. We continue to work with the people who need us, despite





# Asking a doctor: What challenges do you face in offering the best possible care to your patients?

### Assessing the impact of our interventions on health -Global Digital Health Lab at Charité Berlin

always been close to our hearts. We believe volved in implementation projects with Docthat a thorough understanding of the impact tors for Madagascar. We are also extremely of an intervention on health outcomes and its happy that two Malagasy team members cost effectiveness are key to distributing lim- have successfully enrolled in a competitive ited resources in global health to where they PhD program in Global Health at the Univerare needed most. In 2020, we took this ini- sity of Heidelberg. We have also just started tiative a step further and created the Global research projects in other African countries Digital Health Lab at Charité Berlin. The team working with a variety of partners and there consists of 15 postdocs, PhD and Master's is much more to come.

Evaluating the impact of our activities has students, many of whom are also actively in-



The Global Digital Health Lab team on a boat outside of Berlin. Two students from Madagascar joined remotely.

### Thank you...

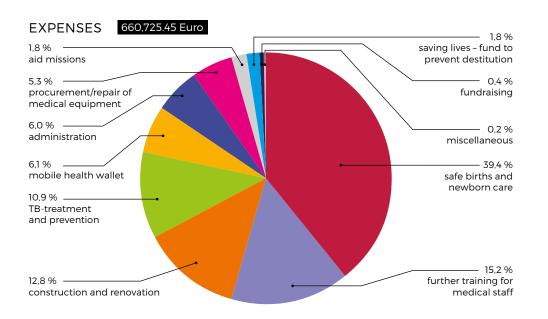
... to all our friends, supporters and donors. Without your help and generosity, none of this would be possible. 2020 has been a year of challenges, but thanks to your encouragement, commitment, enthusiasm, ideas, and of course, your giving, we have still made successes. We use all our donations carefully and consciously to achieve our goal of improving medical care for as many people as possible in Madagascar. These challenges are far from over, however, and there is even more need for and value in your support in continuing our work. Nonetheless, with our 10 year anniversary approaching in 2021, we are proud of all we have achieved so far, and look forward to the future together.

Yours.

For Doctors for Madagascar

John Brief Shande glechter

#### Total donations/grants 593,449.75 Euro INCOME



### **Get involved!**

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