



**Tanzania Rural Health Movement
Annual Report
2017.**

Annual Letter.

Dear Friends and Colleagues.

Habari? Hujambo?

2017 was a good year for Tanzania Rural Health Movement full of change and progress. We welcomed new elective students and new Board members and have been building partnership that will have a lasting and positive impact for our organization.

We are proud to be working with a range of dedicated caring individuals and organizations. From International organizations/foundations through to the local charity based organization.

Mwanza Community First Response Team resolved a long standing challenge on transporting patients where The Desk and Chair Foundation donated three-wheel ambulance to support the program also we were involved in Rock City Marathon 2017 to support participants on their way to finish line.

Our partner Trek Medics International has worked on Beacon software where the software has underwent several development up to launch of Beacon App which lowers dispatching operation cost and user friendly in low resource settings.

2017 marked our 3rd Anniversary of operation in Mwanza city and it went with Street Children Mwanza

Marathon and involved street connected children and other participants. The Marathon targeted to raise awareness about street connected children and fundraise to support Wound Care Project for Street Children.

Our success is the community's success. With the ongoing support of our donors, partners, Board and Volunteers, Tanzania Rural Health Movement is ready for the challenges and achievement ahead in 2018.



Dr. Marko Hingi
Founding Executive Director
Tanzania Rural Health Movement
Associate Fellow. The Commonwealth Society





 **UKIONA TUKIO LA DHARURA** 
Tafadhali usipige picha, Piga simu
NAMBA 114 kwa msaada, HUDUMA HII NI BURE
Huduma hii inatolewa na MWANZA COMMUNITY FIRST RESPONSE TEAM
Imedhaminiwa na  **SignLake** +255 784 313 218, + 255 766 501 116 MTA A WA NKUMAH - MWANZA.
DESIGNING & PRINTING



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Registration

Tanzania Rural Health Movement is registered as nonprofit community based organization at Mwanza City council with registration number MCC/CD/CBO/11967 and it has US Charity Status.

Bank Details:

KCB (Tanzania) LTD
Mwanza Branch, P.O.BOX 130, Nyanza Building, Ground floor Kenyatta Road Mwanza.

Beneficiary Details:

Customer's Name	Tanzania Rural Health Movement.
Customer's account number	3301080766
SWIFT CODE	KCBLTZTZ.

VISION AND MISSION

Vision

To provide a model health service by continually learning and providing extraordinary services in all its endeavors.

Mission

Excellence in the provision of health services in the rural communities of Tanzania.

Values

Mutual Respect: We treat others the way we want to be treated

Accountability: We accept responsibility for our actions, attitudes, and mistakes

Trust: We act with integrity and can count on each other

Excellence: We do our best at all times and look for ways to improve

Tanzania Rural Health Movement was formerly known as Bugando Health Movement for three years from its inception in 2011, and was registered at Mwanza City Council, Mwanza.

It was founded by Dr. Marko Hingi and Dr.Husain Janoowalla.

**DONATE
TO
SUPPORT OUR LIFESAVING PROGRAMS.
M-PESA |5|6|1|3|2|3|2|**

Tanzania Rural Health Movement works under a broad objective of spreading health information to rural communities with the aim of promoting good health through health services, health researches and environmental conservation in relation to health.

Tanzania Rural Health Movement has developed five specific objectives on which the organization relies:

- Raising awareness of health and promoting health services in rural communities.
- Develop projects and programs for dealing with various public health challenges
- Sharing opinions and ideas of the community on various methods of health promotion in rural communities.
- Collaboration with other partners in the health promotion of public health and medical services.
- Explaining the importance of environmental conservation in maintain good health in the community.

Also Tanzania Rural Health Movement has set a three year strategic plan 2014-2017 which focuses on the following areas:-

- Increase organizational exposure and popularity
- Create and maintain high quality partnerships and collaborate with other organizations
- Develop potential and innovative projects/research
- Create strong fundraising strategies
- Maintain low administrative expenses
- Improve monitoring and evaluation of TRHM projects
- Enhance our skill set and ensure continued professional development on the TRHM committee

ORGANIZATIONAL GOVERNANCE

Tanzania Rural Health Movement is governed by volunteers; who are assigned roles ranging from Executive board members to field volunteers.

ADMINISTRATIVE STAFF

Name : Marko Hingi, MD
Position : Executive Director/Founder

Name : Jackline Mtui, Bsc.AS
Position : Finance and Office Manager

Name : Hyasinta Jaka, MD, MMED
Position : Co-Founder & Program Advisor

Name : Nyambura Moremi, MD, MMED
Position : Partnership Development Advisor

WOUND CARE PROJECT FOR STREET CHILDREN

Name : Charles Fidelis
Position : Project Coordinator

Name : Faith James
Position : Assistant Project Coordinator

MWANZA COMMUNITY FIRST RESPONSE PROJECT

Name : Anicet Thomas Mase
Position : Community Coordinator-Bodaboda Drivers

TECHNICAL ADVISOR

Hussein Janowalla, Pharm.D

Ulumbi Ezra, B.Pharm

BOARD OF DIRECTORS

Paul Galea

Luke Glaude

Sarah George

Leticia Froix

Janet Aika Matemu

Florian Breitenbach

TRHM VOLUNTEERS

In 2016/2017 TRHM has worked with 48 volunteers from different academic backgrounds. Their professional skills, diversity of outlook and experience together with the innovations they brought were responsible for improving organizational performance.

Kelvin Rodrick	Josephat Wangwe	Ruth Dhiye
Pudensia Assey	Christina Mhochi	Mariam Lugata
Mwamini Mbage	Gaudensia Machimu	Fatma Yusuph
Wilson Bange	Fred Michael	Peter Kahigi
Fatma Juma	Daima Kasililika	Imani Milton
Emmanuel Singo	Robeth Ngendabhanka	Faith James
Robert Ngenda	Daniel J.Lukuwi	Kelvin Ernest
Edward Amayo	France Charles	Neema Revocatus
Naishie Lemwana	Mohammed Ramadhani	Peter Bernad
Charles Fidelis	Mathei Kauki	Bruno Frank
Winfrida Christopher	Alfred Chibwae	Rosemary Robert
Prisca Elisha	Japhari Rashid	Msemakweli G. Msemakweli
Deuss Joseph	Masanja Songa	David Riwa
Edward Mabagara	John Ngonyani	Happiness Charles
Neema Revocatus	Emmanuel Ginyimani	Diana Machumu
Irun D. Luchius	Sarah Kasisi	Happiness Kasobi

WOUND CARE PROJECT FOR STREET CHILDREN.

Collaborators/Funders: Bisou Bailey Foundation, Mission:Restore and Department of Microbiology and Immunology CUHAS-Bugando.

Jan-March 2017: **Multidrug-Resistant *Achromobacter animicus* causing Wound Infection in a Street Child in Mwanza-Tanzania**

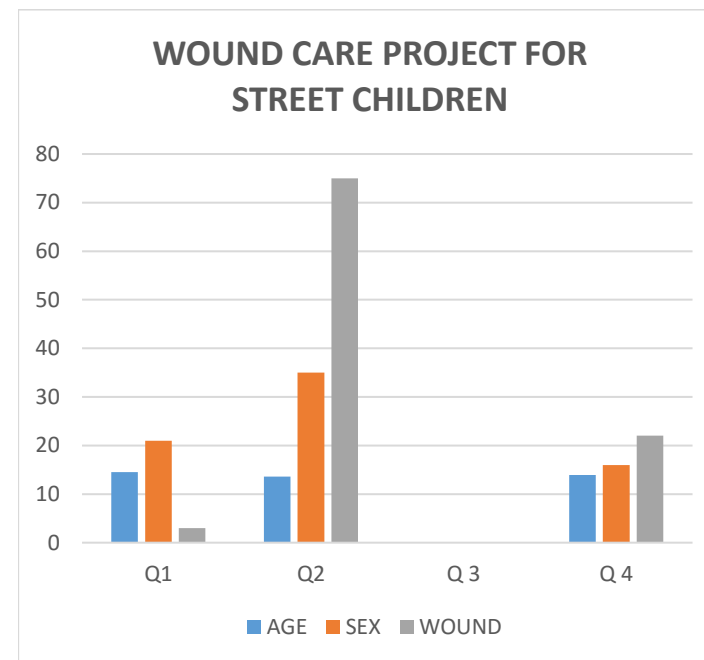
Wound Care Project for Street Children was launched three years ago as student lead initiative targeting to support street children suffering from wounds due to various etiologies around Mwanza city.

For the past three years we have being providing free wound care, nursing care and wound care education to the children who are suffering from traumatic wounds secondary to accidents and followed by cuts¹.

Since establishment of wound care project, Tanzania Rural Health Movement work hand in hand with Department of Microbiology and Immunology at Catholic University of Health and Allied Sciences-Bugando. In this potential collaboration we work together to explore public health challenges facing street children in Mwanza City. With support from Bisou Bailey -Foundation (Ca, USA) we managed to publish a first case of Multidrug-resistant *Achromobacter animicus* from street child infected wound². This case was featured with following highlights:-

- Fifth case of *A. animicus* worldwide and 1st case of wound infection
- First case report of *Achromobacter* species in Africa
- Unlike most *Achromobacter* species, the isolate was resistant to trimethoprim-sulfamethoxazole
- The Isolate was sensitive to Ciprofloxacin and Gentamicin
- Importance of upgrading diagnostic facilities in Africa.

After Chrismass holiday we continued to attend children at Rock Beach where children used to gather for hygiene activities such as bathing on the lake and washing their clothes also our team provides wound care services for those who has injuries and we provide care to an average of 13 children per single outreach.



*Q3-Volunteers were on Holidays

¹Marko Hingi, John Mtomo, Nyambura Moremi, Hyasinta Jaka, Stephen E. Mshana. High Prevalence of Wounds among Street Children in Mwanza City, Tanzania: The understudied Group [Abstract]. In: **Proceedings of the 7th Scientific Graduation Conference; 2015 Nov 12-13; Mwanza. BMC/CUHAS; 2015.**

²Nyambura Moremi, Heike Claus, Marko Hingi, Ulrich Vogel, Stephen E. Mshana. Multidrug-resistant *Achromobacter animicus* causing wound infection in a street child in Mwanza-Tanzania. **Diagnostic Microbiology and Infectious Disease. 2017.02.002.**



April-June 2017: **Seventh Annual International Day for Street Children.**

Each year on 12th April, Street-connected children and the workers and organizations who work with them celebrate the event around the globe with events, workshops, media conferences, marches, street plays and much.

Tanzania Rural Health Movement through Wound Care Project for street children was involved in the event at Furahisha Grounds-Mwanza hosted by Railway Children Africa.

This event gave us new experience and exposure on attending these children as we received a group of 21 children with infected penis post circumcision which was done about one week ago at community voluntary circumcision program. Our team attended and followed up these children for one week and all of them healed their wounds very well.

July-September 2017: **Mwanza Street Children Marathon.**

In May, we hosted Sachi Verma, a MPH student Fellow from Nebraska Medical University and she worked and supported children through providing social needs such as shoes etc and sponsored one children to continue with his primary education.

Sachi and Dr. Hingi with support from Dr. Nyambura Moremi and Dr. Hyasinta Jaka worked to organize the first Marathon which involved street children targeting to socialize with them and understand their problems in details and to build strong relationship for other stakeholders to support them during their transition to safe homes and dreams.





Marathon Highlights

- 2nd & 3rd Winner Street Connected Children
- 2 km Marathon
- 3rd TRHM Anniversary
- US \$ 82.64 Fundraised
- Clothes Donated

Participants

- 6 Foreigners
- 30 Street Connected Children
- 67 Total



Sept-Dec 2017: Hosting Students for Elective Programs.

Tanzania Rural Health Movement provides platform for undergraduate and postgraduate students to take their elective research through our programs such as Wound Care Project for Street Children.

In 2017, we hosted two students through our Wound Care Project for street children to accomplish their elective researches. Ms.Nshoma Julius, fourth year medical student joined our program and she was working on “Determinants of sexual and reproductive health among street adolescents in Nyamagana District, Mwanza”*, she finally disseminated her research findings during The 9th Scientific Graduation Conference hosted by CUHAS/BMC at Rock City Conference Hall.

Mr.Said Nyumayo, MPH student from School of Public Health at Catholic University of Health and Allied Sciences-Bugando was also recruited in our program where he was working on determining the “Prevalence of HIV, risk behavior and factors associated with HIV infection among street children in Mwanza city”. Mr.Nyumayo research findings will be disseminated shortly.

In 2018, TRHM will lunch Mwanza Summer School to accommodate international students for clinical and Community rotation at Bugando Medical Centre and Tanzania Rural Health Movement respectively. Read more <http://zahanativentures.org/tanzania-rural-health-movement/>



* Nshoma. J. Malole, Marko. C. Hingi, Adam Kaombwe, Adolfine Hokororo. Determinants of sexual and reproductive health among street adolescents in Nyamagana district, Mwanza, Tanzania [Abstract]. In: Proceedings of the 9th Scientific Graduation Conference; 2017 Nov 1-2; Mwanza. BMC/CUHAS; 2017.Abstract nr CU22PH.

Emergency Response on any Mobile Phone

The image shows a smartphone screen displaying the BEACON app interface. At the top, it shows 'AT&T Wi-Fi' and the time '16:10'. Below this, a section titled 'EN ROUTE' lists five emergency services, each with a 5-minute estimated arrival time: Amy Ambulance, Rickey Rescue, Mickey Medic, Don Breezy, and Fast Eddie. A second section titled 'CONFIRM ADDITIONAL RESOURCES:' shows '2 VEHICLES' and two buttons: 'ACCEPT' (green) and 'CANCEL' (red). Below these is a large green 'CONFIRM' button with a thumbs-up icon. At the bottom of the screen, there is a navigation bar with icons for home, emergency services, settings, and a graduation cap.



BEACON

Emergency Dispatch

DISPONIBLE EN Google Play

Consiguelo en el App Store

MWANZA COMMUNITY RESPONSE PROJECT.

Collaborators/Funders: Trek Medics International, The Desk and Chair Foundation & Fire and Rescue Force-Mwanza
Jan-March 2017: **New Community First Responders Training**

Since launching of the Mwanza Community First Response Team in 2015 our first responders were not equally distributed across the city and the available responders took long time to arrive to the scene in some incidents.

Sam Lidsky, an EMT and volunteer from USA facilitated training of new first responders from bodaboda drivers to cover the other side of the city. 20 new community first responders were recruited and finalized the coverage of three high ways in Mwanza. This new group increased the workforce and helped to bring free pre hospital care to the communities around them.

In his stay Sam Lidsky spent one week providing Basic First Aid refresher course to fire fighters and bodaboda drivers targeting to increase their efficiency and confidence in providing free first aid care.

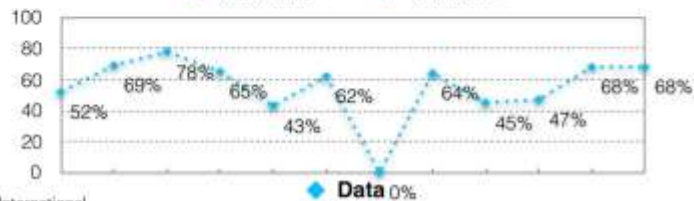




2017 Incident Data Mwanza, Tanzania

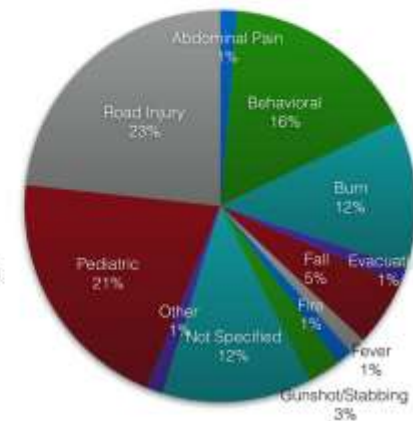


2017 INCIDENTS	Jan	Feb	Mar	Abr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	TOTAL
PATIENTS	0	1	3	0	1	0	0	3	0	1	5	4	18
ASSIGNMENT TIME To Assign Responders to an incident	07:02	06:54	05:08	06:39	04:28	07:19	n/a	02:04	04:55	02:27	01:51	02:20	04:19
ARRIVAL TIME To arrive on-scene	06:14	05:15	08:13	06:10	03:42	04:10	n/a	04:23	07:52	00:44	04:11	06:18	05:34
TRIAGE TIME To determine need for more resources	n/a	00:59	12:04	00:59	n/a	14:02	n/a	03:50	02:18	n/a	04:32	03:04	05:55
TOTAL SCENE TIME Total time spent on-scene before transport	n/a	03:43	12:41	14:45	n/a	n/a	n/a	07:26	05:20	n/a	04:56	08:18	08:25
TRANSPORT TIME To transport the patient to the hospital	n/a	07:19	46:41	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	03:39	15:59
TOTAL INCIDENT TIME From start to finish	n/a	16:25	28:13	1:05:01	45:06	n/a	n/a	15:42	13:18	45:34	05:40	26:46	27:20
DATA COMPLIANCE	52%	69%	78%	65%	43%	62%	n/a	64%	45%	47%	65%	68%	62%



Reported Complaints

- Abdominal Pain
- Behavioral
- Burn
- Evacuation
- Fall
- Fever
- Fire
- Gunshot/Stabbing
- Not Specified
- Other
- Pediatric
- Road Injury



April-June 2017: The Life Saving Deeds of City Bodaboda Riders.



Despite we have set Mwanza Community First Response Team where people they can call 114 to get free help during Emergencies in Mwanza but the call volume is minimal as we thought in three years back specifically for the second largest city in Tanzania as we respond to an average of 8 call per month while the dispatching center receives more than 20 prank calls per day.

With support from our partners Trek Medics International we have continued to market and promote the program to increase number of actual calls. We have based on distribution of leaflets, media coverage, live simulation etc and in April we were featured with The Citizen Magazine on how Bodaboda riders works as life savers in the Rock City*.

In May 2017 we hosted elective student Ms. Sachi Verma, MPH student from University of Nebraska Medical Centre and she was working on evaluating the efficiency of the SMS-based emergency dispatching system and to identify the barriers faced by the first responders trained by Tanzania Rural Health Movement. In her study apart from other barriers she identified transporting patient was most challenging barrier where she started immediately to work on it and finally through The Desk and Chair Foundation, three wheel ambulance was obtained.



* Khalifa Said. (2017, April). The lifesaving deeds of city bodaboda riders. The Citizen, 4226, 16 & 21.



July-September 2017: Iringa Community First Response Team.

Through regular news on media, we got in touch with Madam Darlene Parker based in Iringa and working with 1 Call Tanzania. Since May 2017 Darlene has been in touch with us and she works hard to ensure Iringa Community First Response project starts early next year.

We are looking forward to continue expanding the program to other regions and big cities with support from Fire and Rescue Force-Tanzania.

October-December 2017: Introduction of New Three Wheel Ambulance

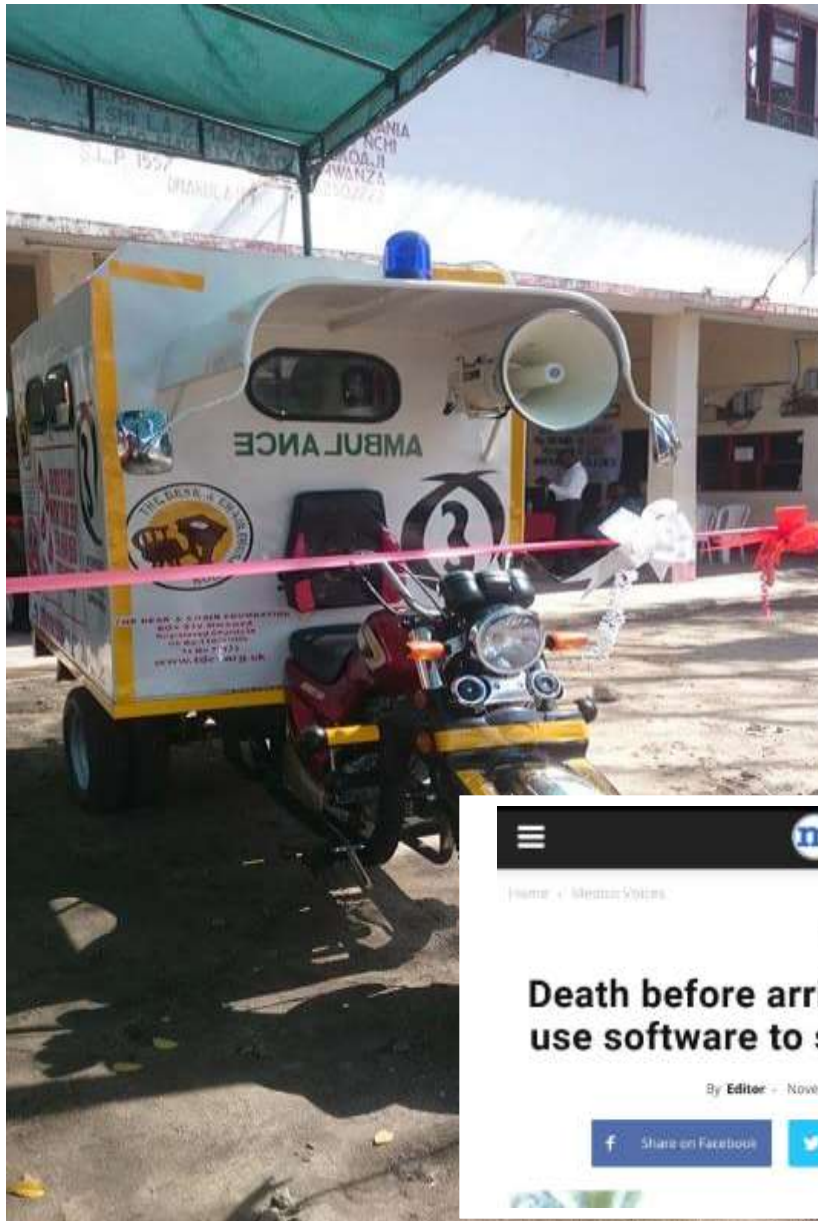
October was great for our program as we were partnered with Capital Plus International Ltd, rock city marathon 2017 organizer. Tanzania Rural Health Movement through Mwanza Community First Response Project was involved in the marathon which included participants from East Africa countries and beyond. Our responders played a great role of supporting participants through providing on scene first aid care and other immediate support needed to participants. We used the marathon as marketing event for the program and audiences were very impressed with our free pre hospital services.

The ambulance has resolved a long standing challenges on transporting patients from the scene to the nearby health facilities and this was marked in December where the incidents responses increased to 22 incidents.

Our partners from US were among of the participants and Kamila Gazieva was among of the top ten winners for female 21km run while Chris Buege ended with saving two victims involved in road traffic accident near the finish line at CCM Kirumba stadium.

In November we got donation of three wheel ambulance from The Desk and Chair Foundation UK charity based in Mwanza which value US \$ 5,700.00.





medicopress

Home + Media Voices

Medico voices

Death before arrival: How Tanzania can use software to save lives on the roads

By Editor · November 13, 2017 · 1043 · 4

Share on Facebook Tweet on Twitter G+ Pin WhatsApp

RESEARCH AND PUBLICATION ACTIVITIES.

In 2016/2017 we went further, hosting international student from USA together with local undergraduate and post graduate students from CUHAS-Bugando to conduct their elective research studies.

TRHM volunteers worked extremely hard to ensure their studies were completed and research findings were disseminated appropriately but also we were invited to present at local and international scientific conferences.

In Jan 2017, our case study was published in Diagnostic Microbiology & infectious Disease.



Nshoma. J. Malole, Marko. C. Hingi, Adam Kaombwe, Adolfine Hokororo. Determinants of sexual and reproductive health among street adolescents in Nyamagana district, Mwanza, Tanzania [Abstract]. In: Proceedings of the 9th Scientific Graduation Conference; 2017 Nov 1-2; Mwanza. BMC/CUHAS; 2017. Abstract nr CU22PH.

Marko Hingi. (2017, November). Death before arrival: How Tanzania can use software to save lives on the roads. Medicopress. Retrieved from <https://goo.gl/a3g37K>

Marko Hingi, Josephat Wangwe. (2017, May). Rural Doctors: How we save Wounded, Traumatized Children in Mwanza Streets. Medicopress. Retrieved from <https://goo.gl/cc1pbG>

Khalifa Said, Marko Hingi. (2017, April). The lifesaving deeds of city bodaboda riders. The Citizen, 4226, 16 & 21.

Nyambura Moremi, Heike Claus, Marko Hingi, Ulrich Vogel, Stephen E. Mshana. Multidrug-resistant *Achromobacter animicus* causing wound infection in a street child in Mwanza-Tanzania. Diagnostic Microbiology and Infectious Disease. 2017.02.002

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Marko Hingi et al. Text Message-Based Medical Dispatch for Accidents occurring in Urban Mwanza Community in Northwestern-Tanzania [abstract]. In: Proceedings of the 8th Scientific Graduation Conference; 2016 Nov 2-3; Mwanza. BMC/CUHAS; 2016. Abstract nr CUO3HS.

Nyambura Moremi, Heike Claus, Marko Hingi, Ulrich Vogel, Stephen E. Mshana. High Variability of *Staphylococcus Aureus* Strains Causing Wound Infection among Street Children Dwelling in Mwanza City Streets in Tanzania [abstract]. In: Proceedings of the 8th Scientific Graduation Conference; 2016 Nov 2-3. Mwanza. BMC/CUHAS; 2016. Abstract nr CU141A.

Marko Hingi, Shaban Iddi, Mariam M Mirambo, Hyasinta Jaka. Prevalence of Overweight and Obesity among High School Adolescents in Urban Communities of Mwanza City- Northwestern Tanzania [abstract]. In: Proceedings of the 8th Scientific Graduation Conference; 2016 Nov 2-3. Mwanza. BMC/CUHAS; 2016. Abstract nr CU01NC.

Katie Lewis, Marko Hingi. (2016, October). Health Worker in Tanzania benefit from Open- Access Research Thanks to INASP Grant, Open-Access Health Research.1-4.

Marko Hingi, Ulumbi Ezra. (2014, March). 1000 Days towards Post MDGs 2015. *Afromedica*, 006, 24-25.

Medico Profiles

Rural doctors: How we save the wounded, traumatized children in Mwanza streets



Medico Voices

Cure and care beyond social class: A tale of Mwanza city's Achilles' heel



WHAT NEXT 2018

2018 is another potential opportunity to go further. In 2018, we will focus on continuing to build community relationship, expanding our current projects, advancing our organizational activities and recruiting more partners and funders.

In 2018, we will work on recruiting female adolescents and young adults connected with street to empower them with vocational training through Mkombozi Tailors Project after observational learning in past two years where male adolescents and young adults prefer other vocational training away from tailoring activities.

For Mwanza Community First Response Project we focus on increasing the responses targeting an average of 25 calls per month also we will work with other local safety stakeholders to achieve our big goal of increasing coverage across Mwanza city.

We will continue to work and maintain our mission, vision and goals to benefit communities in Mwanza and Tanzanians at large.



DONORS AND PARTNERS

We are very happy to express our deepest thanks to our donors and partners. Your financial and technical support helped us in our mission and assisted those in our community. With your kind, faithful financial contributions over last year you've demonstrated your deep commitment to our work in Mwanza. We look forward to a continuing partnership with you.

Susie Bailey	Matt Bailey	Professor Paschalis Rugarabamu
Matt Bailey Family	Andrea Solnes Miltenburg	Cephas Hingi Family
Eng. Helmut Hummel	Halifa Hussein Hida	Dr. Helena Chapman
Dr.Luke Smart	Professor Stephen Mshana	Dr. Dorcas Naa Dedei Aryeetey
Benjamin Gilmour	Michelle Zavila	Marco Fihavango
Dr.Mwanaisha Serugendo	Ramona Seitz	Tulanukila Mwigune
Andrew Mbate	Scott Campbell	Eng.Tungaraza Mkelewe
Crispian Abbott	Mohamed Likwata	Sachi Verma
Eliphace Mkumbo	Dr. Dan Gragert	Dr. Mariam Mirambo
Michael Mcgee	Darlene Parker	Gidibo Tindwa
Ross Velton	Dr.Syriacus Buguzi	Joyce Wamoyi
Leticia Urquiza Froix	Ulumbi Ezra	Dr, Benson Kidenya
Kamilla Gazieva	Vincent Bethke	Dr. Dominica Morona
Gene Pause	Chris Buege	Jason Friesen
Boniface Kwiyeaya	Professor Martha Goedert	Sibtain Maghjee
	Cephas Hingi	-

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Bethke Medical Company
Bisou Bailey Foundation
Bugando Medical Centre
Catholic University of Health and Allied Sciences-
Bugando
Fire and Rescue Force-Tanzania
International Network Availability of Scientific
Publication
International Youth Alliance for Family Planning
Kenya Commercial Bank
The Desk and Chair Foundation
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Bongo Live
Copenhagen Burger House
Mission:Restore
SignLake Designing & Printing

MakeSafe International
Msua Pharmacy
Mwanza City Council Authority
Mwanza Motorcycle Association
Open Access Competition 2014/2015
Queens Young Leaders Award 2016
Tanzania Police Force
Tanzania Rural Health Movement Volunteers
Tula Farming Company
Trek Medics International
University of Cambridge
United Nations Educational, Scientific and Cultural
Organization (UNESCO)
21st Century Health Care
NadTek
My Proext
MedicoPress
Jamii Africa Insurance

