

Marital Status: Married Nationality: Zambian Mobile no. +260 977 427 584 Email: nkapata@gmail.com https://scholar.google.com/citations?user=kCLhP28AAAAJ&hl=en https://orcid.org/0000-0002-3877-8809		Current Employer: Ministry of Health P.O. Box 20305, Ndeke House Lusaka Current position: Director – Emergency Preparedness and Response at the Zambia National Public Health Institute (ZNPHI)	
EDUCATION/ TRAINING			
Home address: Plot No. 21024, Kabangwe, Lusaka, Zambia Work Address: Stand 1186, Cnr Addis Ababa Drive & Chaholi Road, Lusaka, 10101, Zambia. Work Phone No: +260-211-269-432			
INSTITUTION AND LOCATION	QUALIFICATION	YEAR OF COMPLETION	FIELD OF STUDY
University of Amsterdam, Academic Medical Center	PhD	2018	Medicine/PH
University of Zambia School of Medicine	MPH	2013	Public Health
University of Zambia School of Medicine	MB ChB	1999	Medicine; Surgery
University of Zambia	BSc HB	1996	Human Biology
Chillilabombwe Secondary School	Full Certificate	1991	Secondary School
Buseko Primary School	Full Certificate	1989	Primary School
PROFESSIONAL			
Fellow of the Royal College of Physicians (FRCP), Edin.	Diploma	2022	Infectious Diseases
Founding Fellow of the College of Physicians and Surgeons (ZACOMS)	Certificate	2019	Public Health
Appointments			
Director – Emergency Preparedness and Response	2017	To date	ZNPHI/MOH
Deputy Director – Disease Surveillance Control and Research	2016	2017	MOH
Deputy Director – Epidemiology and Disease Control	2009	2011	MOH
National TB/Leprosy Control Program Manager	2005	2016	CBOH/ MCDMCH/ MOH
Provincial TB/Leprosy Coordinator	2003	2005	CBOH/ MOH
Senior Resident Medical Officer	2001	2002	UTH/MOH
Junior Resident Medical Officer	2000	2001	UTH/MOH

A. Background

I am an infectious diseases expert with more than 20 years of experience in public health, infectious diseases surveillance, research and medicine. I have worked at all levels of care of the public sector in Zambia and have served as advisor at various national and international levels including the World Health Organization, WHO Public Health Emergency Operations Centre Network (EOC-NET), Stop TB Partnership, Africa CDC Southern Africa Regional Collaborating Centre (RCC), Southern Africa Development Community (SADC) and the Pan-African Network for Rapid Research, Response, Relief and Preparedness for Infectious Diseases Epidemics (PANDORA-ID-NET); thus I have participated in influencing national, regional and international policies and strategies in the respective disciplines.

Currently, I am the cluster lead for emergency preparedness and response, and Director of the public health emergency operations centre at the Zambia National Public Health Institute, where I lead the technical coordination of emergency preparedness, prevention, response and recovery to public health emergencies including but not limited to Ebola Virus Disease, Cholera, COVID-19 and other emerging and re-emerging diseases. I am also the lead of the International Health Regulations (IHR) National Focal Point (NFP) and coordinate the multisectoral team of experts in a one health approach through the IHR Technical Working Group. Additionally, I led the process of strengthening national public health security in the country and facilitated the technical process that culminated in the enactment of the first legal instrument for national public health security in Zambia.

Previously, I coordinated disease surveillance and control; antimicrobial resistance; research activities; TB and TB/HIV control programmes as well as neglected tropical diseases in Zambia; was instrumental in facilitating the strengthening of the national health research agenda leading to the enactment of the legal instrument for national health research. I have mentored health professionals in public health and research and authored more than 120 scientific articles as first and co-author on TB, HIV/AIDS, cholera, COVID-19, genomics, emerging and re-emerging disease, health systems and others.

I was part of the team that established the first HIV/AIDS treatment centre and youth friendly reproductive health services at Lewanika General Hospital in Zambia's Western Province; successfully managed Tuberculosis and HIV/AIDS/ STI programmes at provincial and national levels

leading to improvements in case detection rates, treatment outcomes and health sector response to manage TB and HIV.

B. Positions and Employment

April 2017 to Date: Director – Emergence Preparedness and Response, Zambia National Public Health Institute (ZNPHI)/ Ministry of Health (MOH)

Responsibilities include coordinating the National Epidemic Preparedness and Response at all levels including ensuring a multi-sectoral and interdisciplinary approach to epidemic response; managing the Public Health Emergency Operations Centre (PHEOC) which encompasses risk mapping, disease surveillance and intelligence, One Health approach, emergency response, and lead national focal point for the implementation of the International Health Regulations (2005).

Achievements so far have encompassed the development and establishment of a strong and resilient emergency response system using the incident management system at all levels. In this regard Zambia has been able to respond adequately to major public health threats and emergencies, such as: (i) The 2017/2018 Cholera outbreak in the Country that was controlled and contained timely, thereby saving a lot of lives. Since 2018, there has been no major cholera outbreak, partly due to the reactive cholera vaccination program that I instituted and led to coordinate and conduct. (ii) The Ebola Virus Disease threats of 2019 and 2020 in the neighboring Democratic Republic of the Congo (DRC). Ensured that adequate preparations were instituted and trainings of rapid response teams, leading to increased surveillance at all points of entry and early identification of any potential suspects. (iii) Set-up the incident management system for the ongoing COVID-19 outbreak to ensure reduction in transmission and spread of the disease, thereby leading to reduced number of cases and low morbidity and mortality (iv) other notifiable disease like measles, typhoid, anthrax, and vaccine derived poliomyelitis that have been contained. (v) Conducted collaborative research on Cholera and COVID-19 including genomic sequencing of the early strains of COVID-19, the results of which have been published to inform country and global actions towards ending epidemics and strengthening IHR.

Other successes include the development of guidelines and trainings for core teams of rapid responders to public health emergencies in all the districts in the country; I have also been able train, mentor and supervise Field Epidemiology Residents who have subsequently become a useful resource for public health security and disease detectives; some of them being deployed to

support other African countries in fighting and responding to the COVID-19 pandemic. Ensured the expansion of the incident management systems and structures to all levels as a best practice model for managing outbreaks. This has led to quick and comprehensive responses to public health emergencies.

Additionally, I have been instrumental in strengthening the implementation of International Health Regulations (2005) in the country through setting-up the IHR technical working group, that address all the IHR core capacities and monitors compliance to all the technical areas as stipulated in the Joint External Evaluation (JEE) tools as well as the States Parties Annual Review (SPAR) process. This has led to an improvement in multisectoral and interdisciplinary coordination of the relevant stakeholders that are involved in ensuring national health security.

I also facilitated and led the process of development of the legal framework for the strengthening of public health security in the country by drafting the Zambia National Public Health Bill which was later enacted by Parliament on 18 December 2020. This will further strengthen disease surveillance, emergency preparedness, public health laboratory systems, research and information systems for managing public health emergencies in line with international WHO recommendations.

Additionally, I have been able to lead the mobilization of funding for emergency preparedness and response from donors, for instance, (i) Three Million dollars from the World Bank under the Contingency Emergency Response Component (CERC) for strengthening preparedness for EVD; these funds were used to build capacity in health care workers for response, case management as well as procurement of necessary commodities like personal protective equipment and others. The CERC implementation was instrumental in ensuring sub-national level staff were trained and equipped to manage public health emergencies including viral haemorrhagic fevers (ii) Twenty-Five Million dollars from the World Bank for COVID-19 response, to establish isolation facilities, procure commodities including for case management such as Oxygen delivery systems as well as drugs and laboratory reagents (iii) Approximately, Fifteen million dollars from the Global Fund for health systems strengthening and preparedness and response activities at the various levels, particularly for the COVID-19 pandemic.

July 2016 to 2017: Deputy Director – Disease Surveillance, Control and Research, Ministry of Health

Responsibilities included overseeing and supervising various programme managers at the national level such as, Disease Surveillance (Communicable diseases, TB, HIV, Malaria, NCDs, NTDs & Laboratory), Disease Control (Epidemics preparedness and response – e.g. emerging & re-emerging diseases), Health research (Coordination, regulation, financing and ethics), Antimicrobial Resistance and Surveillance.

My achievements in this role included re-organizing the structures of the department and ensuring that policies and guidelines for the various programs were in place. For instance, I facilitated the development of the National Action Plan for Antimicrobial Resistance which has now led to implementation of a number of activities to address the problem of antimicrobial resistance in the country. The Plan is currently being implemented and has led to secure funding from various partners including from the Fleming Fund. Contributed to conducting priority research in Zambia, capacity building of upcoming researchers including those at sub-national levels and international research collaborations.

2005 to 2016 (11 Years): National TB/Leprosy Control Program manager, Ministry of Health (2005 – 2011) and Ministry of Community Development, Mother and Child Health (2011-2015)

Responsibilities included coordination of the TB, TB/HIV and leprosy control and preventive activities at the various levels of care in the country as well as community engagement.

Achievements comprise the following: (i) Re-organized and facilitated the resuscitation of the National TB and Leprosy Control Program that had nearly collapsed in the late 1990's due to health reforms that were instituted in the Country; ensured that all the levels of care had capacity to detect, manage and timely report TB and leprosy cases. Guaranteed that appropriate TB and leprosy notifications were done and all necessary logistics and supplies were available to control the diseases, especially drugs and laboratory reagents; this led to improvements in commodity security for management of these diseases and hence no stock-outs, subsequently leading to a lot of lives being saved from TB, approximately more than 500,000 lives saved over ten years. (ii) Led the expansion of the TB DOTS Program to all the districts in the Country at that time and WHO ensured that Zambia was recognized as a DOTS implementing Country. (iii) Improved TB case detection rates and attained a treatment success rate (TSR) of more than 85% for all TB

patients notified, thereby averting a lot of deaths from TB. (iv) Introduced the implementation of TB/HIV collaborative activities through setting up TB/HIV coordinating bodies at the various levels of care that consequently led to ensuring that the duo epidemic of TB and HIV was adequately addressed in the country; TB patients were screened for HIV and HIV patients were screened for TB and this entailed people were provided with a comprehensive package of care. This also led to the successful implementation of the Three I's program for TB control, that is, intensified case finding, Isoniazid preventive therapy and Infection prevention for TB. (v) Introduced the programmatic Management of Drug-resistant TB, and ensured safe and effective drugs were made available for MDR-TB and other drug-resistant TB patients. As a result, the quality of care for DR-TB patients was highly improved and lives were saved. (vi) Facilitated the expansion of the TB laboratory capacity and ensured the upgrade of two TB national reference laboratories to biosafety level three as well as facilitated the introduction of molecular methods for TB diagnosis. (vii) Led the introduction of the Xpert MTB/RIF technology for TB diagnosis to improve case detection and decentralize diagnostic capacity to more than fifty sites. This led to improved case detection and reduction in the turn-around time for patients results. (viii) established a strong partnership platform, the TB working group and enhanced partnership collaborations with various cooperating partners for TB control such as, WHO, Stop TB Partnership, GFATM, USAID/TB CAP/TB CARE I, CDC, CIDRZ, ZAMBART, World Bank, JICA, KNCV Tuberculosis Foundation, UNZA-UCLMS, SADC Steering Committee on Communicable diseases, Civil Society and community based organizations. This entailed increased financial and technical support to the TB and TB/HIV control programs, and as a result there was improved accountability and the quality of TB and TB/HIV services improved significantly, making the Zambia National Program one of the best in the region. (ix) Principal Investigator for the first ever national TB prevalence survey in Zambia that led to re-defining the TB disease burden and landscape in the country; the survey provided useful information for several policy and programmatic decisions, locally and internationally, like gender disparities; identification of risk groups and key population for active case finding; important insights into health seeking behavior. Furthermore, the information from the survey was used to show gaps for investment and resource mobilization, including the subsequent funding that was later accessed from Challenge TB funded by USAID and Southern Africa TB and Health System Support Project (SATBHSSP) funded by the World Bank. In addition, the TB survey led to capacity building and skills development for various survey staff,

that is, nurses, radiographers, laboratory staff, CHWs, survey doctors and data team. Also, trainings were held for various staff among the provincial teams (x) resource mobilization for enhancing TB from various partners including but not limited to the following: The GFATM, more than 40 million dollars for; the World Bank 45 million dollars; CDC, more than 10 million dollars; USAID TB CAP/CARE I & II grants; KNCV Tuberculosis Foundation; and others. (xi) Conducted various research studies to inform program implementation and policy and (xii) Capacity building of various staff in relevant disciplines for TB, TB/HIV control and operations research.

2009-2011: Deputy Director – Epidemiology and Disease Control, Ministry of Health

Responsibilities included managing staff and resources for HIV/AIDS, Tuberculosis, STIs, NCDs, Mental Health, Nutrition and Research.

Achievements included Managing the reorganization of institutional reforms for the newly aligned ministry of health and reorganization of the National system for disease surveillance and research at national and provincial levels. Also facilitated the development of the legal and institutional framework for health research, supported the drafting of the National Health Research Act No. 13 of the Laws of Zambia that was enacted in 2013, to establish the National Health Research Authority (NHRA) that is now mandated to coordinate and regulate the conducting of health research in the Country. Coordinated disease surveillance activities, epidemic preparedness, prevention, control and management committees at various levels and supported rapid response teams.

Additionally, was able to facilitate and support response to a number of disease outbreaks in the country, thereby leading to reduced morbidity and mortality from epidemic prone diseases in the country such as cholera, typhoid, anthrax and measles. Furthermore, I coordinated the Neglected Tropical Diseases (NTDs) program including facilitating and supporting control measures such mass drug administration (MDA) activities, which eventually led to significant reduction in the burden of NTDs in the country.

2003 to 2005: Provincial TB/ leprosy control program manager and HIV/STI/ART coordinator Provincial Health Office, Western Province, Central Board of Health/ MOH, Zambia.

Responsibilities included coordinating TB/Leprosy and HIV/AIDS control activities in the province; training and mentoring of health care providers in TB and leprosy activities; staff supervision;

ensuring guidelines for implementation were adhered to in line with program policies; ensuring efficient drugs and supply chain management; and compiling data and analyzing it for decision making purposes.

Achievements: (i) Supported implementation of family planning and post abortion care program to improve adolescent and maternal health outcomes. (ii) Capacity building of subnational staff in TB, Leprosy, HIV and STI management and control.

2002 to 2005: General Medical Officer, Lewanika General Hospital and Mongu District Health Management Team

Responsibilities included heading the Pediatric Department and also assisting the Director at the General Hospital in supervising medical staff and clinicians in the department; conducting daily clinical ward rounds and attending to patients; conducting weekly rounds in the District health facilities; teaching rounds for student nurses and clinical officers; running the TB clinic and later coordinating both the TB and HIV/ART clinic.

Achievements included starting and setting up the first HIV/ART clinic in the district as well as the entire province. I facilitated the enrolment of the first ART patients and established a clinic to care of HIV/AIDS patients. The clinic was later incorporated into the ART programme that was supported by the USG sponsored CIRDZ project.

2002: *Senior Resident Medical Officer

University Teaching Hospital, Lusaka, Department of Medicine

2001 to 2002: *Senior Resident Medical Officer

University Teaching Hospital, Lusaka, Department of Obstetrics and Gynecology

2000 to 2001: *Junior Resident Medical Officer

University Teaching Hospital, Lusaka, Department of Paediatrics and Child Care

2000 to 2000: *Junior Resident Medical Officer

University Teaching Hospital, Lusaka, Department of Surgery

****Mainly involved clinical practice and patient care in the respective disciplines***

C. Main Achievements

- I. Designed and led the development of the CDC/IANPHI Project entitled Advancing National Public Health Institutes Globally to strengthen public health systems to enable better prevention, detection and respond to public health threats. The project is worth USD 392, 998.00 and is intended to strengthen emergence preparedness and response systems including port health surveillance systems as part general public health security enhancement.
<https://www.highergov.com/grant/NU14GH001238/>
- II. Designed and facilitated the Zambia COVID-19 Emergency Response and Health Systems Preparedness (COVID-19) Project with support from the World Bank, worth USD 25 Million with and Additional Financing component worth USD 24 Million. The project has led in improved health systems for COVID-19 response including increase in capacities for oxygen delivery infrastructure across the country, human capital development and procurement of essential medical commodities and supplies for responding to respiratory epidemics such as COVID-19 and others. The Additional Financing component was specifically for supporting procurement of additional COVID-19 vaccines and enhancing the delivery systems. The project has contributed significantly to the overall COVID-19 response and facilitated the strengthening of health systems that have led to reduction in COVID-19 case due to mitigation measures as well as access to vaccines by the vulnerable populations. **The grant includes a component of operational research that relates to COVID-19.**
<https://projects.worldbank.org/en/projects-operations/project-detail/P174185>.
- III. Participated in the development and design of the Africa Centres for Disease Control and Prevention Regional Investment Financing Project (ACDCP) worth USD 90 Million. This is part of a regional project involving the Africa CDC Headquarters, Ethiopia Public Health Institute, Africa CDC Southern Africa Region Collaborating Centre and the Zambia National Public Health Institute. **Focus for the project is to strengthen NPHIs (including research and knowledge translation) in the region as Centres of excellence for public health security.** The entire regional project is worth USD 250 Million.
<https://www.worldbank.org/en/news/loans-credits/2019/12/10/african-union-ethiopia-and-zambia---africa-centres-for-disease-control-and-prevention-cdc-regional-investment-financing-project>.
- IV. Designed and facilitated the setting up of the regional project involving four Countries (Lesotho, Malawi, Mozambique and Zambia), the Southern Africa Tuberculosis and Health

Systems Support Project for Zambia (SATHSSP), worth USD 45 Million. This led to improving capacity for detection and management of TB, TB/HIV and other lung health diseases related to occupation health and safety (OHS). Additionally, front line staff were trained in TB, TB/HIV, OHS. **The project has contributed to training staff in research, M&E, and improving clinical practice as well as cross-country collaborations in line with the SADC protocol on health. Public health security and laboratory capacity has been strengthened as a consequence. Furthermore, using the data collected from the research activities under this grant, mobile occupational health centers were set up with Zambia serving as a centre of excellence.** <https://projects.worldbank.org/en/projects-operations/project-detail/P155658>

- V. Principal Investigator the conducting of the first ever National TB Prevalence survey in Zambia which led to improving disease estimates, improved case detection and treatment outcomes. Furthermore, health care provider such as clinicians, specialist radiologists, epidemiologists and researchers were trained. Provided lessons for conducting surveys in low income countries <https://www.who.int/publications/i/item/9789240022430>.
- VI. Strengthening DOTS implementation and expansion in Zambia especially after the programme collapse. Helped to re-organize the whole National TB Control Programme in the Country, leading to reduction in TB incidence and the TB related Mortality rate. Developed TB treatment guidelines and evaluated the use of the 4-fixed drug regimens, including influencing the policy change from the eight-month treatment regimen to the six-month treatment regimen in the country.
- VII. Establishment of the National TB/HIV coordinating body and national scale up of TB/HIV collaborative activities since 2006 to date and therefore having more than 90% of TB patients tested for HIV and provided with a comprehensive care. Implemented the first integration of HIV activities into TB program activities. Spearheaded the implementation of the three I's initiative in the country, thereby ensuring comprehensive TB/HIV integration guidelines to be implemented.
[https://stoptb.org/wg/tb_hiv/assets/documents/MeetingDocs19/08_Implementing_TBHIV_reporting_tools Nathan Kapata.pdf](https://stoptb.org/wg/tb_hiv/assets/documents/MeetingDocs19/08_Implementing_TBHIV_reporting_tools_Nathan_Kapata.pdf)

- VIII. Spearheaded the conducting of the second National TB Drug Resistant Survey in 2008, leading to setting up of Programmatic Management of Drug Resistant TB in Zambia in 2010 resulting in improvement in service delivery and patient outcomes.
- IX. Successful with application for the Global Fund to Fight AIDS, Tuberculosis and Malaria (GFATM) Grant Round 7 for Tuberculosis worth more than USD 40 Million which led to expansion of diagnostic services and treatment centres including capacity building of front line health care workers.
- X. Successfully raised funds from the Netherlands leprosy relief to support expansion and improvement of management of leprosy patients including prevention of disabilities and training of health care workers.
- XI. Successfully implemented grants under partner support such as the TB CAP/CARE I grants and the CDC grant through cooperative agreements that led to improvement in TB, TB/HIV and laboratory capacity strengthening.

D. Teaching Experience

1. **2022 – To date: Visiting Honorary Associate Professor of Infectious Diseases, Faculty of Medicine, Lusaka Apex Medical University** – Giving lecturers from time to time and participate in building capacity for students and staff and general training of Under-graduate and Post-graduate students.
2. **2015 – To date: Feld Epidemiology Training Program** – Training and mentoring of FETP Residents and supervising their work in Masters of Public Health/ Epidemiology which is part of their FETP program. Have supervised four consecutive cohorts and graduated five residents in advanced level FETP at master's degree level. The Zambia FETP has been accredited by TEPHNET.
3. **2015 – 2016: Part-time lecturer at Cavendish University, Lusaka, Zambia** – Lecturing post graduate students in Master of Public Health (Global Health) and supervising MPH theses. Supervised three master's students.
4. **2011 – 2016: Guest lecturer at University of Zambia, Lusaka, Zambia** – lecturing post graduate students (MMed) specifically infectious diseases (Tuberculosis) and Master of Public Health (Applied Health Research).

5. **2015: Guest lecturer at University of Pretoria, Main Campus, Pretoria, South Africa** – Lecturing on TB and HIV control programmes.
6. **2011: Guest Lecturer at Academic Medical Center, University of Amsterdam, The Netherlands** – Lecturing on TB and HIV control in low resource settings (Spinoza Lecture).
7. Participated in conducting postgraduate courses during the International Union against Lung Disease, International TB Conferences (Continuing Medical Education Courses).
8. Capacity building of health care workers in public health and research through various training programmes and short courses.

E. Grants/Projects:

Principal Investigator of various research projects under UNZA-UCLMS. <https://www.unza-uclms.org/people>

1. PI (Zambia): PANDORA-ID-NET: Mar 2018 – Present

<https://www.unza-uclms.org/pandora-id-net>

Project description - The Pan-African Network for Rapid Research, Response, Relief and Preparedness for Infectious Diseases Epidemics (PANDORA-ID-NET) consortium has been created in response to an EDCTP call (2016) and is being implemented since March 2018. The project partners together with collaborating institutions and governments aim to enable rapid and effective responses to emerging and re-emerging infectious diseases and epidemic threats arising either from within Africa, or abroad. Towards this end, PANDORA-ID-NET is fundamentally working towards strengthening sub-Saharan African Regional capacities and health systems, and address at the same time zoonotic factors influencing outbreaks through a One Health approach.

2. CO-PI: Vaccine Coverage Post Implementation of a Mass Vaccination Campaign with Oral Cholera Vaccine in Lusaka: May 2018

The overall goal of the survey is to evaluate and validate the administrative coverage of the Lusaka mass vaccination 2018 campaign using oral cholera vaccine. Led to Zambia multisectoral response to cholera and provided lessons to other countries <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6188535/>. As a result, Zambia sponsored a

resolution at the world Health Assembly to eliminate cholera globally among WHO Member states. <https://www.afro.who.int/news/zambia-charts-way-forward-cholera-elimination>.

3. PI: National TB Prevalence Survey: Aug 2013 – Dec 2014

Project description – This was a 5 -million-dollar project whose objective was to determine the prevalence and socio-economic determinants of TB and TB/HIV in Zambia. The study was partly funded with support sourced from the Centers for Disease Control and Prevention (CDC) – Zambia, United States Agency for International Development (USAID) – Zambia and the Government of Zambia through the Ministry of Health. This was the first fully digital survey in a low resource limited country.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0146392>

4. CO-PI: TB NEAT Project: 2009 – 2014

<https://www.unza-uclms.org/tb-neat>

Project description - A multi-centric randomized controlled trial based on Evaluation of Gene Xpert MTB/RIF Assay for the diagnosis of TB at of point-of-treatment primary care clinics in Africa

5. PI: Evaluation of treatment out-comes for MDR TB patients in Zambia: 2012 – 2014

Project description - Ministry of Health: To assess the treatment out-comes of patients diagnosed with drug resistant TB in Zambia before implementation of programmatic management of drug resistant TB. <https://pubmed.ncbi.nlm.nih.gov/28779436/>

6. CO-PI: Active Detection of Active TB Project (ADAT): Jul 2007 – Jul 2012

<https://www.unza-uclms.org/adat>

Project description - A more than 5 million Euros EUROPE AID Program on newer diagnostics for TB focused on improving TB case detection in a low resource setting.

7. CO-PI: TB – HAART Project: 2007 – 2012

Project description - A WHO/TDR supported Clinic trial on assessing appropriate time to start ART in TB/HIV co-infected patients. <https://pubmed.ncbi.nlm.nih.gov/24810491/>

8. Co-investigator (Zambia): REMOX study: 2005 – 2011

Project description – A TB Alliance Clinical trial of moxifloxacin substitution of INH to reduce the duration of chemotherapy (eleven country site partnership).

<https://www.tballiance.org/content/remox-tb-trial-paves-way-21st-century-tb-drug-trials>

9. Co-Investigator: National TB Drug Resistant Survey: 2007 – 2008

Project description - Ministry of Health/ Zambart Project - Conducted second TB drug resistant survey to ascertain the MDR TB burden in the country and establish trends in TB drug resistance in Zambia. <https://pubmed.ncbi.nlm.nih.gov/26224169/>

10. Awards

2022: Awarded the prestigious **Joseph Kasonde Senior Researcher Award** which is given by the National Health Research Authority to an outstanding senior researcher who has contributed immensely to health research, internationally as well as at national level.

2016: As part of the UNZA-UCLMS team was **awarded the 'Outstanding Research Team' Award** at Eight EDCTP Forum.

2016: Recognized by the National TB/HIV Coordinating body for **outstanding contribution to the national TB and TB/HIV control program.**

11. International and Regional Experience

Participated in various international and regional initiative such as the following:

- ✓ The Pan-African Network for Rapid Research, Response, Relief and Preparedness for Infectious Diseases Epidemics (PANDORA-ID-NET), a novel multidisciplinary 'One Health' initiative that supports broad themes addressing response to emerging infections in Africa and supporting this through capacity development and training. <https://www.pandora-id.net/people>
- ✓ The Working Group on Strengthening World Health Organization Preparedness and Response to Health Emergencies <https://apps.who.int/gb/wgpr/>
- ✓ The Public Health Emergency Operations Centre Network (EOC-NET) which identifies and promotes best practices and standards for EOCs and provide support to EOC capacity building in Member States <https://www.who.int/groups/eoc-net>
- ✓ Southern Africa Development Community (SADC), focal point for COVID-19 preparedness and response.

- ✓ Africa CDC Southern Africa Regional Collaborating Centre (RCC), as member of the initial Technical Advisory Committee, including the training of staff from member states in Public Health Emergency Management, with support from the US CDC. <https://africacdc.org/news-item/africa-cdc-launches-southern-africa-regional-collaborating-centre/>
- ✓ The Southern Africa Tuberculosis and Health System Support Project (SATBHSSP), a regional initiative to support countries in southern Africa to enhance TB, TB/HIV, occupation health and safety, and disease surveillance programs in collaboration with East, Central, Southern Africa Health Community (ECSA-HC) <https://nepad.org/microsite/southern-africa-tuberculosis-and-health-systems-supportsatbhss>
- ✓ Member of the Technical Working Group on Biosafety and Biosecurity for the Africa CDC Southern Africa Regional Collaborative Centre
- ✓ Focal Point Person for Global Health Matters under Ministry of Foreign Affairs and International Corporations.

12. Memberships

International bodies

- ✓ Member of the Royal Society of Tropical Medicine and Hygiene (RSTMH)
- ✓ Member of the International Society for Infectious Diseases (ISID)
- ✓ Member of the Royal Society of Medicine (RSM)
- ✓ Member of the International Union Against Tuberculosis and Lung Disease
- ✓ 2006 to 2011: Member of the DOTS Expansion Working Group – Core team of the Global Stop TB partnership
- ✓ 2011 to 2012: Member of the Stop TB Partnership Global Task Force on Human Rights for TB

Local

- ✓ 2015 – 2016: Member of the Ministry of Health Integrity Committee
- ✓ 2015 – 2017: Committee member of the National AIDS Council

Boards

- ✓ 2009 – 2012: Board member for the JATA community TB project
- ✓ 2008 – 2011: Board member for Community Based Tuberculosis Action Group (COBTAG)
- ✓ 2015 – 2018: Board member of the Anglican Diocesan Standing Committee

Professional

- ✓ Fellow of the Royal College of Physicians, Edinburgh
- ✓ Foundation Fellow, Zambia College of Medicine and Surgery (ZACOMS).
- ✓ Member of the Health Professionals Council of Zambia
- ✓ Member of the Zambia Medical Association

13. Some International courses

1. Implementing AIDS Programs – International Health Programs, Public Health Institute, September 2002, California, USA.
2. International Tuberculosis Course – International Union Against Tuberculosis and Lung Disease, November 2005, Arusha, Tanzania
3. Second Global TB/HIV Course for Consultants – World Health Organization, June 2006, Sondalo, Italy
4. Second MDR TB Training Course for the African Region – World Health Organization, May 2007, Johannesburg, South Africa
5. Scientific Writing Training Course – National Institute for Scientific and Industrial Research, August 2008, Lusaka, Zambia

14. Selected Peer-reviewed Publications

<https://scholar.google.com/citations?user=kCLhP28AAAAJ&hl=en>

1. E Petersen, A Zumla, DS Hui, L Blumberg, SR Valdeiros, L Amao, F Ntoumi, D Asogun, L Simonsen, N Haider, T Traore, **N Kapata**, O Dar, J Nachega, A Abbara, A Al Balushi, R Kock, M Maeurer, SS Lee, DR Lucey, G Ippolito, MPG Koopmans. *Vaccination for monkeypox prevention in persons with high-risk sexual behaviours to control on-going outbreak of monkeypox virus clade 3. July 01, International Journal of Infectious Diseases* <https://doi.org/10.1016/j.ijid.2022.06.047>.
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Others

Made several presentations at a number of international and local conferences;

International

- ✓ Case study on Zambia's health reforms and the effect on the reforms on the National TB control programme – presentation in the post graduate course world TB Conference in Paris, France 2007.
- ✓ Different financing mechanisms to the TB programme in Zambia at District, Provincial and National level – Presentation at the world TB Conference during a WHO symposium on budgeting and financing, Paris, France 2008.
- ✓ Presentation on the Evaluation of the TB/HIV reporting tools conducted by the National TB Control Programme in collaboration with the Center for Disease Control and Prevention, World TB Conference, Paris France 2008.
- ✓ Presentation on the Implementation of Public-Private Partnerships in TB control in Zambia, World TB Conference, Paris, France 2008.
- ✓ Presentation at the Karolinska Institutet on TB epidemiology in Zambia, Sweden, 2008.
- ✓ Scale up Co-trimoxazole preventive therapy in TB/HIV co-infected patients in Zambia, World TB conference, Berlin, Germany 2010.
- ✓ Several other abstracts to international conferences

Local

Highlights include:

- ✓ Presentations at a number of local conferences, workshops and seminars on:
- ✓ TB Epidemiology in Zambia; DOTS Expansions and Lessons from the Zambia National TB Control Programme
- ✓ TB treatment regimens in Zambia and the role of Fixed dose combination anti TB drugs; Challenges of TB diagnosis in Sub-Sahara Africa
- ✓ Scaling up of TB/HIV collaborative activities
- ✓ Management of drug resistant TB in Zambia
- ✓ Role of the private sector in TB control in Zambia and Public-Private Partnerships in TB control; Community involvement in TB and TB/HIV collaborative activities; and many other TB – Related presentations

15. References

1. Prof. Sir Alimuddin Zumla, University College London, United Kingdom.
E-mail: a.zumla@ucl.ac.uk ; Tel: +442076794466
2. Prof. Peter Mwaba, Lusaka Apex Medical University, Lusaka, Zambia.
E-mail: pbmwaba2000@gmail.com; Mobile: +260 977 775 354
3. Prof. Martin P. Grobusch, Center for Tropical Medicine and Travel Medicine, University of Amsterdam, Academic Medical center, The Netherlands.
E-mail: m.p.grobusch@amc.uva.nl
4. Prof. Frank Cobelens, Department of Global Health, and Amsterdam Institute of Global Health and Development, Academic Medical Centre, Amsterdam, The Netherlands.
E-mail: f.cobelens@aighd.org