

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors. Follow this format for each person. **DO NOT EXCEED FIVE PAGES.**

NAME: ROY WILLIAM MAYEGA

eRA COMMONS USER NAME (credential, e.g., agency login): RMAYEGA

PROPOSED POSITION: TECHNICAL DIRECTOR/DEPUTY CHIEF OF PARTY

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

| INSTITUTION AND LOCATION | DEGREE <i>(if applicable)</i> | Completion Date MM/YYYY | FIELD OF STUDY |
|--|----------------------------------|----------------------------|--------------------------|
| Makerere University, Kampala, Uganda | MB.ChB | 07/1998 | Medicine and Surgery |
| Makerere University, Kampala, Uganda | MPH | 09/2005 | Public Health |
| Karolinska Institutet, Stockholm, Sweden | PhD | 05/2014 | Medical Science |
| Makerere University, Kampala, Uganda | Post-doc | On-going | Public Health (Diabetes) |

A. Personal Statement

Dr. Roy William Mayega is a Lecturer in the Department of Epidemiology and Biostatistics, at the School of Public Health, Makerere University, teaching Epidemiology and Research Methodology to both graduate and undergraduate students. He is also the Instructional Materials Designer and Editor for the MPH Distance Education program at MakSPH. He underwent basic training as a Medical Doctor at Makerere’s Medical School. He received a Master’s Degree from Makerere and a PhD in Medical Science from Karolinska Institutet Sweden. Dr. Mayega has accumulated atleast 20 years of experience in public health related work, 6 of which were spent at primary care level. He worked in Kiboga District Local Government, as a Medical Officer, Assistant Director District Health Services and Acting Director District Health services Upon completion of his MPH training, Dr. Mayega joined Makerere’s School of Public Health in January 2006, as a Research Fellow and Assistant Lecturer. From 2006 to 2012, he worked as an Instructional Materials Designer/Editor for the Master’s Degree in Public Health by Distance Education. Dr. Mayega was appointed to the position of Lecturer, Department of Epidemiology and Biostatistics in August 2012, which he has held since then. He has supervised 21 graduate students at Master’s degree level to completion of their studies and is currently supervising three PhD students.

Dr. Mayega’s current research interests include non-communicable disease control, disaster risk reduction, resilience and innovation. The focus of his PhD studies was type 2 diabetes, resulting into a thesis entitled: Type 2 Diabetes in Rural Uganda: Prevalence, risk factors, perceptions and implications for the health system (published May 2014). Dr. Mayega is co-investigator of a multi-country research group that is conducting a cluster randomized trial to test an innovative intervention for integration and improvement of prevention and care for type 2 diabetes at primary care levels in different socio-economic settings (SMART2D), where he is a co-investigator. Dr. Mayega is extensively experienced in Resilience programming. He has developed this experience from being part of the following programs:

- Program Coordinator, Health Emergencies Management Project (HEMP), supported by USAID and the Rockefeller Foundation
- Program Coordinator for the Strengthening Leadership in Disaster Resilience Project (SLDRP), supported by the Bill and Melinda Gates Foundation, and World Bank’s GFDRR
- Program Coordinator and Deputy Project Director, Developing the Next generation Tent to support Human Led Service Delivery – an innovation project funded by USAID
- Deputy Chief of Party for the ResilientAfrica Network, funded by UDAID

B. Positions and Honors

- Assistant Director District Health Services, Kiboga District Local Government, Uganda (2005-2006)
- Acting Director District Health Services, Kiboga District Local Government, Uganda (2003)
- Research Fellow/Instructional Designer and Editor, Makerere School of Public Health (2006-2012)
- Lecturer, Makerere University School of Public Health (2012 to date)
- SIDA Doctoral Research Fellow (2010-2014); Post-doctoral Research Fellow (2016 to 2018)
- Co-investigator, SMART2D Trial

C. Contributions to Science

Some of Dr. Mayega's publications are listed below:

1. James S. Fishkin, **Roy William Mayega**, Lyn Atuyambe, Nathan Tumuhamy, Julius Ssentongo, Alice Siu & William Bazeyo (2017): Applying Deliberative Democracy in Africa: Uganda's First Deliberative Polls; *Dædalus*, the Journal of the American Academy of Arts & Sciences, doi:10.1162/DAED_a_00453, <https://www.amacad.org/content/publications/publication.aspx?i=22877>
2. De Man J, **Mayega RW**, Sarkar N, Waweru, Mart Leys, Van Olmen J, Criel B (2016): Patient-Centered Care and People-Centered Health Systems in Sub-Saharan Africa: Why So Little of Something So Badly Needed? *The International Journal of Person Centered Medicine* 2016 Vol 6 Issue 3 pp 162-173; <http://www.ijpcm.org/index.php/IJPCM/article/view/591>
3. **Mayega RW**, **Musenero M**, **Nabukenya I**, **Kiguli J**, **Bazeyo W** (2013): A descriptive overview of the burden, distribution and characteristics of epidemics in Uganda. *East Afr J Public Health*. 2013 Jun;10(2):397-402. <http://www.ajol.info/index.php/eajph/article/view/109114>
4. **Orach CG**, **Mayega RW**, **Woboya V**, **William B** (2013): Performance of district disaster management teams after undergoing an operational level planners' training in Uganda. *East Afr J Public Health*. 2013 Jun;10(2):459-68. <http://www.ajol.info/index.php/eajph/article/view/109124>
5. Mayega RW et al, (2012) Modifiable Socio-Behavioural Factors Associated with Overweight and Hypertension among Persons Aged 35 to 60 Years in Eastern Uganda. *PLoS ONE* 7(10): e47632; <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0047632>
6. Mayega RW, Guwatudde D, Makumbi F, Nakwagala FN, Peterson S, et al. (2013) Diabetes and Pre-Diabetes among Persons Aged 35 to 60 Years in Eastern Uganda: Prevalence and Associated Factors. *PLoS ONE* 8(8): e72554. doi:10.1371/journal.pone.0072554; <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0072554>
7. Mayega RW, Guwatudde D, Makumbi F, Nakwagala FN, Peterson S, et al. (2014): Comparison of fasting plasma glucose and haemoglobin A1c point-of-care tests in screening for diabetes and abnormal glucose regulation in a rural low income setting: <http://www.sciencedirect.com/science/article/pii/S0168822713004646>; <http://www.diabetesresearchclinicalpractice.com/article/S0168-8227%2813%2900464-6/fulltext>,
8. Mayega RW, Etajak S, Rutebemberwa E, Tomson G, Kiguli J (2014): 'Change means sacrificing a good life': perceptions about severity of type 2 diabetes and preventive lifestyles among people afflicted or at high risk of type 2 diabetes in Iganga Uganda. *BMC Public Health* 2014, 14:864; <http://www.biomedcentral.com/1471-2458/14/864>

D. Additional Information: Research Support and/or Scholastic Performance

Dr. Mayega is currently the Deputy Chief of Party for ResilientAfrica, a large network of universities in Africa focused on advancing a resilience research and innovation agenda, a position he has held for 5 years. In this position, he coordinates day-to-day activities of the RAN Secretariat, and a vast-network of 20 partner universities. His responsibilities have included coordination of planning, supervision of activity implementation, coordination of reporting, and ensuring operational excellence to achieve planned activities and outcomes. He has been instrumental in supporting RAN's implementation centres, the Resilience Innovation labs in technical aspects of program implementation involving research, innovations and knowledge sharing.