James Mburu Wanja

Profile, summary and Career Objective

-. Good analytical ability and a keen eye for details.

-. Experience in CDISC (Clinical Data Interchange Standards Consortium). SDTM/ADaM dataset Production and Quality Checking.

-. Good Knowledge in Clinical Trials Datasets such as Demographic, Adverse Events, Vital Signs, Medical History, Lab, various Oncology and Non-Oncology efficacy sets.

-. Good exposure in Data cleaning, Validation of Data sets and TLF's.

-. Experience in Statistical Data Analysis:- Descriptive, Explorative, Inferential, Predictive, and Causal.

-. Skillful in SAS, R, Stata, Rmarkdown, Rshinny, LaTeX.

-. Team player and ability to work in a multi-cultural environment.

-. Objective:-
   To work in a challenging environment that inspires proactive innovations where I will be able to use my academic skills and acquire practical skills for the benefit of humanity.

Education

PERIOD	**October 2013 — September 2015**	
DEGREE	**Master of Statistics: Biostatistics**	
RANK	**Distinction**	
UNIVERSITY	**Hasselt University**	Diepenbeek, Belgium

PERIOD	**September 2006 — July 2010**	
DEGREE	**Bachelor of Science in Applied Statistics with computing**	
RANK	**First Class Honors**	
UNIVERSITY	**Moi University**	Eldoret, Kenya

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Work Experience

EMPLOYER	**PHASTAR Limited**	**Nairobi, Kenya**
JOB TITLE	**Statistician II**	**Nov 2016 — Current**
SOFTWARE	SAS	
DUTIES	:-	

- Statistics and Programming
- Work as Statistician on Clinical Trials,
- Program and validate datasets, SDTM, ADAM & TLFs to excellent quality whilst adhering to deliverable timelines
- Responsible for the statistical aspects of reporting out study results,
- Work in a team for furthering statistical research.
- Line Management Duties.

- **Clinical Trials Phases involved in;-Phase I, II, III**

- **Therapy areas involved:- Oncology, Immuno-inflammation**

- **RECIST** - Response Evaluation Criteria In Solid Tumors.

  Endpoints analysis involve in:-

  - Overall Survival, Progressing Free Survival, Time to Response, Duration of Response.

  - Objective Response Rate (ORR), Best Objective Response (BoR).

  - Patient Reported Outcome (PRO) endpoints.

EMPLOYER	**KEMRI-Wellcome Trust Research Programme.**	**Kilifi, Kenya**
JOB TITLE	**Senior Statistician**	**Nov 2015 — Nov 2016**
SOFTWARE	R, Rmarkdown, Rshiny, SAS, LaTeX	
DUTIES	:-	

- Statistics, Programming and Data management.
- Assembly, organization and storage of epidemiological and laboratory based data for a multi-centre Malaria cohort study.
- Collation and analysis of a range of multiple biological measures of acquired immunity to identify the best correlates of protection against Malaria. Case study of 7 African countries.

Work Experience

EMPLOYER	**KEMRI-Wellcome Trust Research Programme.**	**Kilifi, Kenya**
JOB TITLE	**Statistician**	**Jul 2011 — Sep 2013**
SOFTWARE	Stata	
DUTIES	:-	

- Verifying data accuracy and validity.
- Liaising with data managers and programmers about data quality and missing data.
- Data Analysis and report generation.
- Assisting Masters & PhD Students with analysis.

STUDIES :-

- Pneumococcal Conjugate Vaccine Impact Study.
- Vaccine Adverse Events in Kenya.
- Adult Survival Post Discharge from Kilifi General Hospital.
- Serological markers of immunity to *Haemophilus influenzae type b* amongst a
  vaccinated population of children in Kilifi, Kenya.

ICT Skills

Statistical Languages   R, SAS, Stata, SPSS, WinBUGS
Documentation   LaTeX, R Markdown

Thesis

Master Thesis   Prediction of Adverse Events in Patients with an Unplanned Need for a
Higher Level of Care: case study of six Belgian Hospitals. *Link*

Publication

**Risk of Injection-Site Abscess among Infants Receiving a Preservative-Free,
Two-Dose Vial Formulation of Pneumococcal Conjugate Vaccine in Kenya.** *PlosOne*

**KILchip v1.0: A Novel Plasmodium falciparum Merozoite Protein Microarray to Facilitate
Malaria Vaccine Candidate Prioritization.** *frontiers*

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Achievements

ShinyApp
Developed an R-ShinyApp to calculate the Sample sizes given different study designs. Link to the App.

R Training
Facilitated R training to Pwani University Master of Public Health Students.
Topics involved in: - Measures of central tendency, rates and ratios, and Graphs using ggplot package.
15th Feb, 2016 - 25th Feb, 2016.

SAS Training
Facilitated SAS SG Graphics Workshop to PHASTAR limited new grads. This involved single cell graphs using SGPlot procedure and multi-cell graphs using SGPANEL looking at different plots: - Line, Survival, Forest, Waterfall and Shift plots.
30th Jan, 2018 - 2nd Feb, 2018.

QC Training
Facilitated a workshop on Quality Checking at different CDISC levels, looking at errors in data and results consistency in Tables, Listings and Figures to PHASTAR limited new recruits.
19th Feb, 2018 - 20th Feb, 2018.

SAS Training
Facilitated SAS SG Graphics Workshop to PHASTAR limited new grads. This involved single cell graphs using SGPlot procedure and multi-cell graphs using SGPANEL looking at different plots: - Line, Survival, Forest, Waterfall and Shift plots.
5th Mar, 2019 - 8th Mar, 2019.

My SAS cookbook
Link

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Referees

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3. Dr. John Ojal,
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