

DR. EDWINE BENSON ATITWA

Name: Edwine Benson Atitwa

Title/Qualification: Doctor of Philosophy in Biostatistics

Position: Lecturer

Department: MCIT

School: Pure and Applied sciences

Area of Specialization: Applied statistics (Biostatistics)

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Research Interests

- i. Management and treatment of cancer
- ii. Water sanitation and Hygiene (WASH)
- iii. Maternal and Child health
- iv. Non-communicable diseases
- v. Logistic regression
- vi. Optimal designs
- vii. Response surface methodology
- viii. Survival analysis
- ix. Epidemiology
- x. Box-behnken designs

Publications

Publications in Journals:

1. Ngechu, J. N., Okeyo, H. O., Ongeso, A., Wanyoike, P. K., **Atitwa, E. (2020)** Socio-Demographic Factors And Knowledge Influencing Associated With ORS Use For Diarrhoea In Children At Miathene Sublocation, Meru County, Kenya. *International Journal of Innovative Research and Advanced Studies (IJIRAS)* 7 (5) www.ijiras.com
2. **Benson Atitwa, E. (2015)**. Socio-Economic Determinants of Low Birth Weight in Kenya: An Application of Logistic Regression Model. *American Journal Of Theoretical And Applied Statistics*, 4(6), 438. doi: 10.11648/j.ajtas.20150406.14

3. **Benson Atitwa, E. (2016).** The optimum settings of culture conditions for optimum growth of kefir grains for nutrition and health using RSM with BBD". *International Journal for statistics and Applied mathematics*. 1(4) pp.24-33.
4. Analysis of Effects of culture conditions on growth of kefir grains for nutrition and health using RSM with BBD(2016), American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS)
5. Evaluation of random effects on growth of kefir grains for nutrition and health using RSM with BBD(2016), Journal of KNAS

Presentation of Papers at Academic and Professional Conferences

- i. 2019:Moi University;Workshop on Research Misconducts
- ii. 2019:LIRA 2030;Workshop on sanitation of shared resources
- iii. 2018: Great Lakes University and NASAC, workshop on WASH Study
- iv. 2017: Kisii County strategic plan for WASH program at the county.
- v. 2017:Great Lakes university of Kisumu-Reviving community health strategy
- vi. 2012: INTERNATIONAL LABOUR ORGANIZATION (ILO), Inorero University.
- vii. 2009: UNIVERSITY OF NAIROBI, College of Biological and Physical Sciences.
- viii. Workshop on Scientific Communication and Publication of research work

ABSTRACTS/CONFERENCE PAPERS

1. Atitwa. E. B (2012), Socio-Economic determinants of Low birth weight in Kenya: Logistic Regression
Presented at the Catholic University of East Africa.
2. Atitwa E.B. et al (2018), Determinant of other pathogens present in icolie in Nyalenda, Kisumu
Presented at Munyonyo, Uganda.

Student	Thesis title	Status
<p>Sr. Evalyne Sagini</p> <p>M12/S-04/2016</p> <p>MCHD</p>	<p>An assessment of lanten campaign on peace building and development in Kuresoi South Sub-County, Nakuru County Kenya</p>	<p>Graduated 2018</p>
<p>Adau Kuir Thon Arok</p> <p>M09/J05 /2017</p> <p>Master of Science in Nursing</p>	<p>Factors associated with uptake of hepatitis b vaccine among adults between 19 -65 attending out-patient at Juba Teaching Hospital (South Sudan)</p>	<p>Graduated 2019</p>
<p>Grace Nimir Benjamin</p> <p>M09/J03/2017</p> <p>Master of science in Nursing</p>	<p>Factors influencing utilization of antenatal care services among women delivering at Juba Teaching Hospital South Sudan</p>	<p>Graduated 2019</p>
<p>Pauline Mwololo</p> <p>MCHD</p> <p>Student No: M12/J-06/16</p>	<p>Factors Influencing Adherence to Antiretroviral Therapy among HIV Infected Children in Lea Toto Clinic, Kibera</p>	<p>Collecting data</p>
<p>Eunice Masamo</p> <p>MCHD/S-12/11</p>	<p>Factors influencing newborn care practices among women of reproductive age in Taveta sub-county – Taita Taveta county</p>	<p>On-going</p>
<p>Sandifin Ayienda</p> <p>MPH student</p>	<p>Health facility factors influencing client satisfaction for maternal child health services at Mumias</p>	<p>On-going</p>

M15/J05/2016	Modern health centre, Kakamega county	
EUNICE W. NDIRANGU Masters in Community Health and Development	Experiences of caregivers of children with disabilities aged 0-15 years in Mukuru slums- Nairobi Kenya	Graduated 2018
Josky Ochieng' Masters in Community Health and Development	Factors determining uptake of dental services among secondary school students in Karabach sublocation in Rachuonyo south, Homa Bay County	Graduated 2018