

**Prof. Fabian Esamai**  
**MB ChB, MMed, MPH, PhD**  
**Professor of Child Health and Paediatrics**

**CURRICULUM VITAE.**

**Summary**

I am a **Medical doctor by Profession** having qualified with an MB ChB from University of Nairobi in 1978. I then worked at Kenyatta National Hospital as a Medical Officer intern then moved to Nyanza General Hospital as a medical officer in 1979.

In 1980 I was admitted for the Master of Medicine in Paediatrics at the University of Nairobi School of Medicine where I qualified with an MMed Paediatrics in 1984. I am also holder of Master of Public Health from Johns Hopkins University School of Public Health, Baltimore USA (1996) and a **PhD from Linkoping University, Sweden (2002).**

I was posted to Kericho District Hospital as the first Paediatrician in that hospital (1984). I became the Medical Officer of Health of the then larger Kericho District in 1987 for one year and then became the Medical Superintendent in 1988 to 1990.

In 1990 I applied to join the new Moi University Faculty of Health Sciences where I started as a Lecturer in Child Health and Paediatrics (November 5<sup>th</sup> 1990). I was promoted to Senior Lecturer in 1995 and then to Associate Professor in 1999. I got promoted to Professor in 2005 (February 2005). **I have therefore been a full Professor for over 11 years. I delivered my Inaugural lecture on 27<sup>th</sup> Sept 2007 as the second one in Moi University.**

I have been **Head of Department of Paediatrics**, Faculty of Health Sciences Moi University between **1997 and 2003**, **Dean School of Medicine 2005 – 2009** and **Principal College of Health Sciences since Sept 2011 to date.**

I have **supervised 7 PhD** students five of whom have graduated, **25 Master students** who have graduated and 5 ongoing master students. I have been involved in the development of all undergraduate and Postgraduate programs in the College of Health Sciences since 1990.

I have been a member of the **Moi University Senate since 1997** to date and as Dean been Chair of School Boards and as Principal, have been Chair of College Management Board, College Academic Board and College Administrative Board.

I have been a member of the **Moi University Management Board for 10 years (between 2005 and 2009 and again 2011 and 2016).**

I have been a **Member of the Moi University Council for over 6 years**; between 2005 and 2009 as a representative of the Town Campuses of Moi University and as Principal of College of health sciences between 2011 and 2012.

I have **published widely since 1985 with 105 publications** in peer reviewed journals and over 50 publications in group publications in international journals through International collaborative research. I have attended hundreds of conferences, workshops and seminars over the years.

I have been **Chairman of the Council of the Consortium for National Health Research Consortium between 2007 and 2016**. I am a member of the Kenya Science Technology and **Innovation (KESTI) award Jury since 2012 to date**.

I am a commissioner of the **East Africa Health Research Commission since 2016**.

I am a reviewer of various peer review journals including: East African Medical Journal, Journal of Tropical Paediatrics, Kenya Journal of Health Sciences; Paediatrics and the Bulletin of WHO.

I have been an external examiner for undergraduates and postgraduates in Paediatrics at University of Nairobi, Aga Khan University, University of Namibia and Makerere University since 2001 to date.

I am a member of **the Kenya Medical Association and the Kenya Paediatrics Association**.

I am **the Research Chair for Health Systems through the NACOSTI/IDRC** sponsorship since 2015 to 2019 on Maternal and Child Health research to reduce maternal and child health in Kenya. This is the first such position in Kenya and in the region.

I have developed 17 proposals and research grants which have been funded with a total annual value of about \$1 million per year since 2006 and grants smaller than \$250,000 annually since 1994.

I have led in a number of development projects including the design, search for funding and supervision of the Riley Mother Baby Hospital at MTRH; the Medical Education Conference Centre and the PDN building in College of Health Sciences.

Currently, I am the **Ag. Principal, Alupe University College**. This is a new University College with a focus on health Sciences, Science, information sciences and engineering.

**PERSONAL INFORMATION:**

I aim to achieve set targets in life through being reliable, honest, dedicated and committed to personal, formal and informal activities.

Name: Prof. Fabian Omoding Esamai.  
Date of birth 23rd September 1953.  
Marital status Married with 4 children.  
Address: Dept of Child Health and Paediatrics,  
Faculty of Health Sciences, Moi University,  
P.O Box 4606 30100,  
Eldoret, Kenya.  
Tel 254532060958/9; 254532062265 office,  
254202380061 hse, Mobile 254733 836 410,  
254 724 400 189.  
Fax 254 2033041  
E.mail : [fesamai2007@gmail.com](mailto:fesamai2007@gmail.com)

**EDUCATION:**

To achieve the highest standard of quality education and to transfer this to my students and mentees with humility.

1999-02 Doctoral studies, Linkoping University Sweden.  
1995-96 Johns Hopkins University, USA , School of Hygiene and Public Health on an MPH program.  
1980-84 University of Nairobi, College of Health Sciences, Dept of Paediatrics and Child Health for a M.Med degree in Paediatrics.  
1973-78 University of Nairobi School of Medicine(MBChB)  
1971-72 Friends School, Kamusinga.  
1967-70 St. Pauls High School, Amukura.  
1960-67 Kotur Primary School

### **QUALIFICATIONS:**

To attain the highest level of training and competencies in my spheres of activities and professional orientation to enable me apply them to the highest level possible.

2002	<b><u>PhD</u></b> Linkoping University, Sweden
2000	WHO IMCI national facilitator certificate
1996	<b><u>MPH</u></b> - Johns Hopkins University, SPH, USA.
1990	WHO/ Control of Diarrheal Diseases Programme certificate on the case management of acute childhood diarrhea for National facilitators.
1989	Kenya Institute of Administration and Ministry of Health Certificate in Health Planning and Management.
1988	Registered and recognised by the Medical practitioners and dentists board as a specialist Paediatrician.
1984	<b><u>M.Med in Paediatrics</u></b> , University of Nairobi. Certificate in Tropical medicine ( <b><u>CTM</u></b> ), University of Nairobi.
1978	<b><u>MB ChB</u></b> , University of Nairobi.
1972	EAACE (East African Advanced Certificate of Education).
1970	EACE (East African Certificate of Education).
1967	KCPE (Kenya Certificate of Primary Education).

### **EMPLOYMENT:**

To perform and discharge my responsibilities as laid down in my job description and to surpass targets, to serve with dedication and humility and lead from the front and be a role model on matters of accountability, transparency and integrity.

2016 Oct	Ag. Principal, Alupe University College
2011 to date	Principal, College of Health Sciences Moi University
2005 to date	Professor, Department of Child Health and Paediatrics, School of Medicine, Moi University.
2005 – 2009	Dean, School of Medicine
1999	Associate Professor, Department of Child Health and Paediatrics, Faculty of Health Sciences, Moi University.
1995	Senior Lecturer, Dept of Child Health and Paediatrics, Faculty of Health Sciences, Moi University.
1990	Lecturer, Dept of Child Health and Paediatrics, Faculty of Health

- 1987 Sciences, Moi University.  
Assistant Director of Medical services, Ministry of Health based in Kericho district.
- 1984 District Paediatrician, Kericho district hospital.
- 1979 Medical officer, Provincial General Hospital. Kisumu.
- 1978 Medical officer , intern, Kenyatta National Hospital Nairobi

**RESPONSIBILITIES:**

**School wide responsibilities**

- 2011 to date Member of the editorial Board of the Kenya Journal of Health Sciences
- 2009 -2011 Editor in Chief, Kenya Journal of Health Sciences
- 2009 to date Chairman, Professorial Shortlisting Committee, School of Medicine
- 2005-09 Dean, School of Medicine
- 2003- 2009 Integrity Assurance officer (IAO) and Chair of the School of Medicine Corruption prevention committee
- 2002 -04 Co- ordinator of the HIV/AIDS prevention project the academic model for the prevention and treatment of HIV (AMPATH) for the Faculty under community based education and service programme (COBES).
- 2001-2005 Co- ordinator of the Ben Gurion University International Health in Medicine programme at the FHS - Moi University
- 1999-2004 Chairman COBES committee - upto Dec. 2004
- 1997-2005 Co-ordinator of the Faculty income generating unit (IGU) Clinical Services.
- 1997 - 2003 Head, Department of Child Health and Paediatrics
- 1994-5 Acting Head of Dept of Child Health and Paediatrics, Moi University (September 1994 - June 1995).
- 1996 Acting Head of department of Child Health and Paediatrics (September to November)

- 2001 Vice Chairman Network conference 2002 held in Eldoret and hosted by the MUFHS: Sustaining innovative education, health services and research against declining resources..
- 1996 `Secretary, Institutional Research and Ethics Committee.
- 1996 Co-ordinator of the COBES V (community based education and service) -District Health Services Attachment- for fifth year medical students.

**University wide responsibilities**

- 2011 to date Principal, College of Health Sciences
- 2011 -2013 Member, Moi University Council
- 2008 Chair of the Deans Ad Hoc committee on the review of the functioning of the examinations office
- Co ordinator of the establishment of Alupe Constituent College of Moi University
- 2006 Member of the MTRH and MU committee on the development of the MOU between the two organizations
- Member of the Moi University Council
- Chairman of the Ad Hoc committee on the drawing of the MOU between MTRH and MU
- Chairman of Senate committee on exam irregularities at the School of Law
- Chairman of the Deans Ad Hoc committee on planning and financing of field trips at Moi university
- 2005 Member of the Moi University Management Board
- Director of AMPATH
- 2003 Secretary and member of the Moi University corruption prevention committee (CPC)
- 2002 Member of the Deans subcommittee on the formulation of policies on the financing of field attachments.

Member of the Senate committee on unit cost of the various faculties.

Member of the senate committee on the constitutional review.

Chairman of the Ad Hoc committee on the merger of the Moi Teaching and referral hospital (MTRH) and Moi University and the establishment of the Faculty of Dental surgery

1998-9 Chairman of the University Sickbay construction monitoring committee (December 1998 - August 1999).

### National responsibilities

2016 Commissioner, East African Health Research Commission

2012 to date Member of the Kenya Science Technology and Innovation award selection Jury Ministry of Education, Science and technology

2014 to date Research Chair for Health Systems: University Research Chairs program of NACOSTI/IDRC

2007- 2016 Chairman of Council  
Founder Members of the Consortium of the National Health Research.

2003 Chairman of the Technical advisory group (TAG) for KEPI MLM training, Ministry of Health.

1999 Member of the Pharmacy and Procurement advisory committee of the Moi Teaching and referral Hospital.

Member of the National Task force on the implementation of the Integrated Management of Childhood illnesses (IMCI) of the Ministry of Health.

Member of the National Clinical adaptation committee of the IMCI strategy.

1988-90 Medical superintendent, Kericho district hospital.

National facilitator of CDD programme.

1987 Medical officer of health, Kericho district.

1984 District Paediatrician, Kericho district

**PROFESSIONAL ASSOCIATIONS:**

-Member of the Kenya Medical Association

-Member of Kenya Paediatric Association.

-Member of the Kenya Diabetic Association.

-Consultant Paediatrician at the Moi teaching and referral hospital, Uasin Gishu Memorial, Eldoret Hospital and MedihealHospitals.

Member of the New York Academy of Sciences.

**EDITORIAL BOARDS OF PEER REVIEW JOURNALS**

Kenya Journal of Health Sciences

East African Medical Journal

Journal of Tropical Paediatrics

Bulletin of the WHO

Paediatrics

**COURSES AND SEMINARS ATTENDED:**

2017 East African Health research 6<sup>th</sup> International Conference, Bujumbura Burundi

The workshop of the Steering committee on Women's and Children Health for the Global Network of Women's and Children's Health, Fort Lauderdale Florida, USA Jan 2017

2016 Workshop on Data analysis and manuscript writing of the AMANHI study at WHO Geneva March 28 -1<sup>st</sup> April 2016

Healthy Birth, Growth, and Development Knowledge Integration Workshop from February 23<sup>rd</sup> to 25<sup>th</sup> 2016 Intercontinental Hotel Nairobi.

The workshop of the Steering committee on Women's and Children Health for the Global Network of Women's and Children's Health, Fort Lauderdale Florida, USA Jan 2016

2015 Workshop on Data analysis of the AMANHI study at WHO Geneva Dec 2015.

The 3rd Pan African Regional Conference 20<sup>th</sup> -22<sup>nd</sup> Jan 2015: Africa beyond 2015 Womens Health Womens right; Moi

University College of health Sciences; Eldoret.

The workshop of the Steering committee on Women's and Children Health for the Global Network of Women's and Children's Health, Washington DC, USA June 2015

The workshop of the Steering committee on Women's and Children Health for the Global Network of Women's and Children's Health, Fort Lauderdale Florida, USA Jan 2015

2014 The international conference "Alex health 2014": Health; from Theory to Practice 22<sup>nd</sup> – 23<sup>rd</sup> October 2014; Alexandria University Egypt.

Healthy Birth, Growth, and Development Knowledge Integration Workshop from July 20-22, 2014 at the Omni Shoreham Hotel in Washington, DC.

Documentation of Programmatic Experience on implementation of home visits for pregnant women and newborns and outpatient management of sick young infants when referral is not possible. 28<sup>th</sup>-30<sup>th</sup> July 2014, Brazzaville, Republic of Congo

Workshop on Data analysis on Neonatal sepsis simplified antibacterial treatments In outpatient and community settings Abuja Nigeria October 2014.

2013 Workshop on Data analysis on Neonatal sepsis simplified antibacterial treatments In outpatient and community settings WHO Geneva June 2013.

Workshop on Data analysis on Neonatal sepsis simplified antibacterial treatments In outpatient and community settings London, UK March 2013.

Workshop on Data analysis and dissemination of results on Neonatal sepsis simplified antibacterial treatments In outpatient and community settings WHO Abuja, Sept 2013

The workshop of the Steering committee on Women's and Children Health for the Global Network of Women's and Children's Health, Washington DC, USA June 2013

The workshop of the Steering committee on Women's and Children Health for the Global Network of Women's and Children's Health, Fort Lauderdale Florida USA Jan 2013

- 2012            Workshop on development of global research questions and priorities on Neonatal care in hospitals and community settings WHO Geneva Sept 2012.
- Inflammation and nutrition science for program and policy: Interpretation of research evidence (INSPIRE) meeting to be held in Bethesda, USA between 27<sup>th</sup> - 30<sup>th</sup> November 2012
- The workshop of the Steering committee on Women's and Children Health for the Global Network of Women's and Children's Health, Washington DC, USA June 2012
- The workshop of the Steering committee on Women's and Children Health for the Global Network of Women's and Children's Health, Fort Lauderdale Florida USA Jan 2012
- 2011            Stable isotopes to compare the effects of Zinc absorption following administration of iron containing sprinkles vs non iron containing sprinkles and normal diets in children., Vienna, Austria
- 2010            Workshop on Neonatal sepsis simplified antibacterial treatments In outpatient and community settings WHO Geneva.
- International Padiatric Association Congress, Sandton Johannesburg South Africa
- The workshop of the Steering committee on Women's and Children Health for the Global Network of Women's and Children's Health, Washington DC, USA June 2010
- The workshop of the Steering committee on Women's and Children Health for the Global Network of Women's and Children's Health, Florida USA Jan 2010
- 2009            Stable isotopes to compare the effects of Zinc absorption following administration of iron containing sprinkles vs non iron containing sprinkles and normal diets in children, Vienna Austria.
- The workshop of the Steering committee on Women's and Children Health for the Global Network of Women's and Children's Health, Washington , USA
- 2008            Total quality management course on ISO 9001 certification by the Kenya Bureau of standards  
The NETWORK: TUFH Bogota, Colombia

The workshop of the Steering committee on Women's and Children Health for the Global Network of Womens and Children's Health held at Park Hyatt Hotel, Washington DC, USA

- 2007 The NETWORK: TUFH Conference Kampala Uganda
- Capacity strengthening in research on tropical diseases; Conference held at Kilifi Mnarani club KEMRI sponsored by Wellcome trust.
- 2006 RBM workshop for deans, administrators and accountants of Moi University - July 2006
- PBL workshop for academic staff of the Schools of Medicine and Public health – May 2006 Kericho.
- IGAs and RBM implementation in the Moi university strategic plan March 2006
- 2005 The Network: TUFH Ho Chi Minh city, Vietnam
- KDHS 2003: Further analysis of HIV data – NCAPD Nairobi
- Quality Paediatric care and evidence based care, Nairobi – KEMRI and Wellcome Trust.
- 2004 NETSPEAR seminar on the prevalence of S.pneumo and H. Influenza in the East African region, Windsor Hotel Nairobi, 15<sup>th</sup> November 2004
- The NETWORK: TUFH Conference Atlanta Georgia USA
- MLM course for EPI managers, Hotel Sirikwa, July and November 2004
- 2003 Public service integrity seminar for staff of Moi University, August 2003.
- The NETWORK: TUFH Conference Newcastle Australia
- The 31st Annual KMA Scientific conference held at the Travellers Beach Hotel, Mombasa 23rd - 27th April 2003
- 2002 Integrity assurance officers (IAOs) course organised by the anticorruption police unit and DPM: Mombasa Beach Hotel Dec 8th to 14th 2002

Network :TUFH conference Hotel Sirikwa 7th to 12th Sept 2002

Conference on Antibiotic resistance patterns in hospitals Hotel Sirikwa 19th to 21st June 2002

2001 Community based education workshop for Health professions for Academic staff of the Catholic University, Beira Mozambique December 2001.

Quality improvement in Paediatric care workshop in Pretoria University, South Africa sponsored by WHO November 2001.

Network conference 2001,Community partnerships for Health through innovative education service and research , in Londrina Brazil October 2001.

A WHO sponsored Abridged IMCI course for physicians, Novotel Arusha Tanzania 26th August to 1st September 2001.

7th International Advisory meeting of the Malaria donation programme on Malaria treatment held in the Serena Hotel, Nairobi, 9th - 10th July 2001 sponsored by Glaxosmithkline.

Seminar on Hepatitis B prevalence, Nairobi safari Club 23rd May 2001 sponsored by Aventis.

2000 National Research Capacity strengthening workshop held at the Whitesands Hotel, Sept 2000

Teaching and leadership skills course at Indiana University, USA under the auspices of the Institutional Grant Program.

1999 IMCI workshops for adaptation of the clinical management of malaria, ARI, diarrhea etc in Kenya held at the Lenana Mount Hotel Nairobi.

The 19th International symposium on cerebral blood flow, metabolism and Function, Copenhagen 13 - 17 June .

An orientation workshop for new academic staff of the Faculty of Health Sciences, Moi University - 3 -6 May.

Symposium on Diabetes organised by the Kenya Diabetic Association, Hotel Sirikwa 22nd May.

Malaria epidemic preparedness and response workshop held at the Hotel Sirikwa for health managers in the Rift Valley and

- Western province organised by the Kenya Malaria control programme - DFID sponsored
- 1998 Orientation workshop for the National facilitators on the implementation of IMCI in Kenya held at the KCCT, Nairobi.
- Workshop on data management and analysis, Faculty of Health Sciences. Sponsored by the Netherlands Government MHO project, held in Eldoret, Kenya.
- Child abuse and neglect seminar held at the Hotel Sirikwa.
- Control of malaria seminar sponsored by SIDA: for members of the DHMT of Uasin Gishu district, Asis hotel Eldoret.
- The 26th KMA Annual Scientific conference on community medicine in Kenya, held at the Hotel Sirikwa., Eldoret
- 1995 Commonwealth regional Health secretariat seminar on the integration of breast-feeding and lactation in the curricula of medical schools, in the East and central Africa region.
- Kenya medical association annual scientific conference on HIV and perinatal medicine in Mombasa.
- 1993 National drug policy seminar sponsored by the World Health Organisation - Garden Hotel Machakos.
- 1992 Medical education course on innovative medical education at the Linkoping university, Sweden.
- USAID/WHO/RESEARCH seminar on accelerated measles control in the Whitesands Hotel Mombasa.
- 1990 WHO Control of Diarrheal Diseases training course for national facilitators for Africa and Middle East regions, Gaborone, Botswana.
- Health planning and management workshop in Kenyan hospitals- Ministry of Health sponsored, held in the Tea Hotel Kericho.
- 1989 Adolescent medicine and fertility seminar, Mombasa, Kenya- JHPIEGO.
- Perinatal mortality and morbidity seminar, Nyeri, Kenya- JHPIEGO.

## **RESEARCH PUBLICATIONS:**

### **2017**

Hoffman MK, Goudar SS, Kodkany BS, Goco N, Koso-Thomas M, Miodovnik M, McClure EM, Wallace DD, Hemingway-Foday JJ, Tshefu A, Lokangaka A, Bose CL, Chomba E, Mwenechanya M, Carlo WA, Garces A, Krebs NF, Hambidge KM, Saleem S, Goldenberg RL, Patel A, Hibberd PL, Esamai F, Liechty EA, Silver R, Derman RJ. A description of the methods of the aspirin supplementation for pregnancy indicated risk reduction in nulliparas (ASPIRIN) study. BMC Pregnancy Childbirth. 2017 May 3;17(1):135. doi: 10.1186/s12884-017-1312-x.

Garces AL, McClure EM, Pérez W, Hambidge KM, Krebs NF, Figueroa L, Bose CL, Carlo WA, Tenge C, **Esamai F**, Goudar SS, Saleem S, Patel AB, Chiwila M, Chomba E, Tshefu A, Derman RJ, Hibberd PL, Bucher S, Liechty EA, Bauserman M, Moore JL, Koso-Thomas M, Miodovnik M, Goldenberg RL. The Global Network Neonatal Cause of Death algorithm for low-resource settings. Acta Paediatr. 2017 Feb 27. doi: 10.1111/apa.13805. [Epub ahead of print]

McClure EM, Garces A, Saleem S, Moore JL, Bose CL, **Esamai F**, Goudar SS, Chomba E, Mwenechanya M, Pasha O, Tshefu A, Patel A, Dhaded SM, Tenge C, Marete I, Bauserman M, Sunder S, Kodkany BS, Carlo WA, Derman RJ, Hibberd PL, Liechty EA, Hambidge KM, Krebs NF, Koso-Thomas M, Miodovnik M, Wallace DD, Goldenberg RL. Global Network for Women's and Children's Health Research: probable causes of stillbirth in low- and middle-income countries using a prospectively defined classification system. BJOG. 2017 Jan 31. doi: 10.1111/1471-0528.14493. [Epub ahead of print]

Harrison MS, Pasha O, Saleem S, Ali S, Chomba E, Carlo WA, Garces AL, Krebs NF, Hambidge KM, Goudar SS, Kodkany B, Dhaded S, Derman RJ, Patel A, Hibberd PL, **Esamai F**, Liechty EA, Moore JL, Wallace D, McClure EM, Miodovnik M, Koso-Thomas M, Belizan J, Goldenberg RL. A prospective study of maternal, fetal, and neonatal outcomes in the setting of cesarean section in low- and middle-income countries. Acta Obstet Gynecol Scand. 2017 Jan 20. doi: 10.1111/aogs.13098. [Epub ahead of print]

Nathan RO, Swanson JO, Swanson DL, McClure EM, Bolamba VL, Lokangaka A, Pineda IS, Figueroa L, López-Gomez W, Garces A, Muyodi D, **Esamai F**, Kanaiza N, Mirza W, Naqvi F, Saleem S, Mwenechanya M, Chiwila M, Hamsumonde D, Wallace DD, Franklin H, Goldenberg RL. Evaluation of Focused Obstetric Ultrasound Examinations by Health Care Personnel in the Democratic Republic of Congo, Guatemala, Kenya, Pakistan, and Zambia.

Curr Probl Diagn Radiol. 2016 Nov 10. pii: S0363-0188(16)30097-4. doi: 10.1067/j.cpradiol.2016.11.001. [Epub ahead of print]

## 2016

Swanson JO, Plotner D, Franklin HL, Swanson DL, Lokomba Bolamba V, Lokangaka A, Sayury Pineda I, Figueroa L, Garces A, Muyodi D, **Esamai F**, Kanaiza N, Mirza W, Naqvi F, Saleem S, Mwenechanya M, Chiwila M, Hamsumonde D, McClure EM, Goldenberg RL, Nathan RO.

Web-Based Quality Assurance Process Drives Improvements in Obstetric Ultrasound in 5 Low- and Middle-Income Countries.

Glob Health Sci Pract. 2016 Dec 28;4(4):675-683. doi: 10.9745/GHSP-D-16-00156

Bang A, Patel A, Bellad R, Gisore P, Goudar SS, **Esamai F**, Liechty EA, Meleth S, Goco N, Niermeyer S, Keenan W, Kamath-Rayne BD, Little GA, Clarke SB, Flanagan VA, Bucher S, Jain M, Mujawar N, Jain V, Rukunga J, Mahantshetti N, Dhaded S, Bhandankar M, McClure EM, Carlo WA, Wright LL, Hibberd PL. Helping Babies Breathe (HBB) training: What happens to knowledge and skills over time?

BMC Pregnancy Childbirth. 2016 Nov 22;16(1):364.

Wilunda C, Tanaka S, **Esamai F**, Kawakami K.

Prenatal anemia control and anemia in children aged 6-23 months in sub-Saharan Africa.

Matern Child Nutr. 2016 Oct 7. doi: 10.1111/mcn.12375. [Epub ahead of print]

Bellad RM, Bang A, Carlo WA, McClure EM, Meleth S, Goco N, Goudar SS, Derman RJ, Hibberd PL, Patel A, **Esamai F**, Bucher S, Gisore P, Wright LL; HBB Study Group.

A pre-post study of a multi-country scale up of resuscitation training of facility birth attendants: does Helping Babies Breathe training save lives?

BMC Pregnancy Childbirth. 2016 Aug 15;16(1):222. doi: 10.1186/s12884-016-0997-6.

Bucher S, Konana O, Liechty E, Garces A, Gisore P, Marete I, Tenge C, Shipala E, Wright L, **Esamai F**.

Self-reported practices among traditional birth attendants surveyed in western Kenya: a descriptive study.

BMC Pregnancy Childbirth. 2016 Aug 12;16(1):219. doi: 10.1186/s12884-016-1007-8.

Goldenberg RL, Thorsten VR, Althabe F, Saleem S, Garces A, Carlo WA, Pasha O, Chomba E, Goudar S, **Esamai F**, Krebs NF, Derman RJ, Liechty EA, Patel A, Hibberd PL, Buekens PM, Koso-Thomas M, Miodovnik M, Jobe AH, Wallace DD, Belizán JM, McClure EM.

The global network antenatal corticosteroids trial: impact on stillbirth.

Reprod Health. 2016 Jun 2;13(1):68. doi: 10.1186/s12978-016-0174-4.

Berrueta M, Hemingway-Foday J, Thorsten VR, Goldenberg RL, Carlo WA, Garces A, Patel A, Saleem S, Pasha O, Chomba E, Hibberd PL, Krebs NF, Goudar S, Derman RJ, **Esamai F**, Liechty EA, Moore JL, McClure EM, Koso-Thomas M, Buekens PM, Belizán JM, Althabe F.

Use of antenatal corticosteroids at health facilities and communities in low-and-middle income countries.

Reprod Health. 2016 May 27;13(1):66. doi: 10.1186/s12978-016-0176-2.

Klein K, McClure EM, Colaci D, Thorsten V, Hibberd PL, **Esamai F**, Garces A, Patel A, Saleem S, Pasha O, Chomba E, Carlo WA, Krebs NF, Goudar S, Derman RJ, Liechty EA, Koso-Thomas M, Buekens PM, Belizán JM, Goldenberg RL, Althabe F.

The Antenatal Corticosteroids Trial (ACT): a secondary analysis to explore site differences in a multi-country trial.

Reprod Health. 2016 May 24;13(1):64. doi: 10.1186/s12978-016-0179-z

Hibberd PL, Hansen NI, Wang ME, Goudar SS, Pasha O, **Esamai F**, Chomba E, Garces A, Althabe F, Derman RJ, Goldenberg RL, Liechty EA, Carlo WA, Hambidge KM, Krebs NF, Buekens P, McClure EM, Koso-Thomas M, Patel AB.

Trends in the incidence of possible severe bacterial infection and case fatality rates in rural communities in Sub-Saharan Africa, South Asia and Latin America, 2010-2013: a multicenter prospective cohort study.

Reprod Health. 2016 May 24;13(1):65. doi: 10.1186/s12978-016-0177-1.

Althabe F, Thorsten V, Klein K, McClure EM, Hibberd PL, Goldenberg RL, Carlo WA, Garces A, Patel A, Pasha O, Chomba E, Krebs NF, Goudar S, Derman RJ, **Esamai F**, Liechty EA, Hansen NI, Meleth S, Wallace DD, Koso-Thomas M, Jobe AH, Buekens PM, Belizán JM.

The Antenatal Corticosteroids Trial (ACT)'s explanations for neonatal mortality - a secondary analysis.

Reprod Health. 2016 May 24;13(1):62. doi: 10.1186/s12978-016-0175-3.

- 2015 Archana B. Patel, Sreelatha Meleth, Omrana Pasha, Shivaprasad S. Goudar, Fabian **Esamai**, Ana L. Garces, Elwyn Chomba, Elizabeth M. McClure, Linda L. Wright, Marion Koso-Thomas, Janet L. Moore, Sarah Saleem, Edward A. Liechty, Robert L. Goldenberg, Richard J. Derman, K. Michael Hambidge, Waldemar A. Carlo and Patricia L. Hibberd.  
Impact of exposure to cooking fuels on stillbirths, perinatal, very early and late neonatal mortality – a multicenter prospective cohort study in rural communities in India, Pakistan, Kenya, Zambia and Guatemala  
Maternal Health, Neonatology, and Perinatology (2015) 1:18 DO10.1186/s40748-015-0019-0

Cynthia A. Binanay, Constantine O. Akwanalo, Wilson Aruasa, Felix A. Barasa, G. Ralph Corey, G. Ralph Corey, Fabian **Esamai** et al

Building Sustainable Capacity for Cardiovascular Care at a Public Hospital in Western Kenya *Journal of the American College of Cardiology* 66(22):2550-2560 · December 2015 DOI: 10.1016/j.jacc.2015.09.08

**Esamai F**, Ayede AI, Adejuyigbe EA, Tshetu A, Wammanda RD; African Simplified antibiotic regimens for neonatal sepsis--AFRINEST - Authors' reply. Neonatal Sepsis Trial (AFRINEST) group. *Lancet*. 2015 Oct 3;386(10001):1339. doi: 10.1016/S0140-6736(15)00332-3.

Yoshida S, Martines J, Lawn JE, Wall S, Souza JP, Rudan I, Cousens S; neonatal health research priority setting group  
Setting research priorities to improve global newborn health and prevent stillbirths by 2025. *J Glob Health*. 2016 Jun;6(1):010508.

Were MC, Siika A, Ayuo PO, Atwoli L, **Esamai F**.  
Building Comprehensive and Sustainable Health Informatics Institutions in Developing Countries: Moi University Experience. *Stud Health Technol Inform*. 2015;216:520-524.

Thukral A, Lockyer J, Bucher SL, Berkelhamer S, Bose C, Deorari A, **Esamai F**, Faremo S, Keenan WJ, McMillan D, Niermeyer S, Singhal N.  
Evaluation of an educational program for essential newborn care in resource-limited settings: Essential Care for Every Baby. *BMC Pediatr*. 2015 Jun 24;15:71. doi: 10.1186/s12887-015-0382-z

Raiten DJ, Sakr Ashour FA, Ross AC, Meydani SN, Dawson HD, Stephensen CB, Brabin BJ, Suchdev PS, van Ommen B; INSPIRE Consultative Group  
Inflammation and Nutritional Science for Programs/Policies and Interpretation of Research Evidence (INSPIRE). *J Nutr*. 2015 May;145(5):1039S-1108S. doi: 10.3945/jn.114.194571. Epub 2015 Apr 1

McCure E, Bose CL, Garcies A, **Esamai F**, Goudar SS, Patel A, Chomba E, Pasha O et al  
Global Network for Womens and Childrens Health Research: a system for low-resource areas to determine probable causes of still birth, neonatal and maternal death  
12/2015;1(1). DOI:10.1186/s40748-015-0012-7

Harrison MS, Ali S, Pasha O, Saleem S, Althabe F, Berrueta M, Mazzone A, Chomba E, Carlo WA, Garces A, Krebs NF, Hambidge K, Goudar SS, Dhaded SM, Kodkany B, Derman RJ, Patel A, Hibberd PL, **Esamai F**, Liechty EA, Moore JL, Koso-Thomas M, McClure EM, Goldenberg RL.

A prospective population-based study of maternal, fetal, and neonatal outcomes in the setting of prolonged labor, obstructed labor and failure to progress in low- and middle-income countries.

Reprod Health. 2015 Jun 8;12 Suppl 2:S9. doi: 10.1186/1742-4755-12-S2-S9.  
Epub 2015 Jun 8.

Bucher S, Marete I, Tenge C, Liechty EA, **Esamai F**, Patel A, Goudar SS, Kodkany B, Garces A, Chomba E, Althabe F, Barreuta M, Pasha O, Hibberd P, Derman RJ, Otieno K, Hambidge K, Krebs NF, Carlo WA, Chemweno C, Goldenberg RL, McClure EM, Moore JL, Wallace DD, Saleem S, Koso-Thomas M

A prospective observational description of frequency and timing of antenatal care attendance and coverage of selected interventions from sites in Argentina, Guatemala, India, Kenya, Pakistan and Zambia.

Reprod Health. 2015 Jun 8;12 Suppl 2:S12. doi: 10.1186/1742-4755-12-S2-S12.  
Epub 2015 Jun 8.

Althabe F, Moore JL, Gibbons L, Berrueta M, Goudar SS, Chomba E, Derman RJ, Patel A, Saleem S, Pasha O, **Esamai F**, Garces A, Liechty EA, Hambidge K, Krebs NF, Hibberd PL, Goldenberg RL, Koso-Thomas M, Carlo WA, Cafferata ML, Buekens P, McClure EM.

Adverse maternal and perinatal outcomes in adolescent pregnancies: The Global Network's Maternal Newborn Health Registry study.

Reprod Health. 2015 Jun 8;12 Suppl 2:S8. doi: 10.1186/1742-4755-12-S2-S8.  
Epub 2015 Jun 8.

Pasha O, Goudar SS, Patel A, Garces A, **Esamai F**, Chomba E, Moore JL, Kodkany BS, Saleem S, Derman RJ, Liechty EA, Hibberd PL, Hambidge K, Krebs NF, Carlo WA, McClure EM, Koso-Thomas M, Goldenberg RL.  
Postpartum contraceptive use and unmet need for family planning in five low-income countries.

Reprod Health. 2015 Jun 8;12 Suppl 2:S11. doi: 10.1186/1742-4755-12-S2-S11.  
Epub 2015 Jun 8.

McClure EM, Saleem S, Goudar SS, Moore JL, Garces A, **Esamai F**, Patel A, Chomba E, Althabe F, Pasha O, Kodkany BS, Bose CL, Berreuta M, Liechty EA, Hambidge K, Krebs NF, Derman RJ, Hibberd PL, Buekens P, Manasyan A, Carlo WA, Wallace DD, Koso-Thomas M, Goldenberg RL.

Stillbirth rates in low-middle income countries 2010 - 2013: a population-based, multi-country study from the Global Network.

Reprod Health. 2015 Jun 8;12 Suppl 2:S7. doi: 10.1186/1742-4755-12-S2-S7.  
Epub 2015 Jun 8

Patel A, Bucher S, Pusdekar Y, **Esamai F**, Krebs NF, Goudar SS, Chomba E, Garces A, Pasha O, Saleem S, Kodkany BS, Liechty EA, Kodkany B, Derman RJ,

Carlo WA, Hambidge K, Goldenberg RL, Althabe F, Berrueta M, Moore JL, McClure EM, Koso-Thomas M, Hibberd PL.

Rates and determinants of early initiation of breastfeeding and exclusive breast feeding at 42 days postnatal in six low and middle-income countries: A prospective cohort study.

Reprod Health. 2015 Jun 8;12(Suppl 2):S10. Epub 2015 Jun 8

Dhaded SM, Somannavar MS, Vernekar SS, Goudar SS, Mwenche M, Derman R, Moore JL, Patel A, Pasha O, **Esamai F**, Garces A, Althabe F, Chomba E, Liechty EA, Hambidge K, Krebs NF, Berrueta M, Ciganda A, Hibberd PL, Goldenberg RL, McClure EM, Koso-Thomas M, Manasyan A, Carlo WA.

Neonatal mortality and coverage of essential newborn interventions 2010 - 2013: a prospective, population-based study from low-middle income countries.

Reprod Health. 2015 Jun 8;12 Suppl 2:S6. doi: 10.1186/1742-4755-12-S2-S6. Epub 2015 Jun 8.

Bauserman M, Lokangaka A, Thorsten V, Tshefu A, Goudar SS, **Esamai F**, Garces A, Saleem S, Pasha O, Patel A, Manasyan A, Berrueta M, Kodkany B, Chomba E, Liechty EA, Hambidge K, Krebs NF, Derman RJ, Hibberd PL, Althabe F, Carlo WA, Koso-Thomas M, Goldenberg RL, Wallace DD, McClure EM, Bose CL.

Risk factors for maternal death and trends in maternal mortality in low-and middle-income countries: a prospective longitudinal cohort analysis.

Reprod Health. 2015 Jun 8;12 Suppl 2:S5. doi: 10.1186/1742-4755-12-S2-S5. Epub 2015 Jun 8.

Marete I, Tenge C, Chemweno C, Bucher S, Pasha O, Ramadurg UY, Mastiholi SC, Chiwila M, Patel A, Althabe F, Garces A, Moore JL, Liechty EA, Derman RJ, Hibberd PL, Hambidge K, Goldenberg RL, Carlo WA, Koso-Thomas M, McClure EM, **Esamai F**.

Lost to follow-up among pregnant women in a multi-site community based maternal and newborn health registry: a prospective study.

Reprod Health. 2015 Jun 8;12 Suppl 2:S4. doi: 10.1186/1742-4755-12-S2-S4. Epub 2015 Jun 8

Goudar SS, Stolka KB, Koso-Thomas M, Honnungar NV, Mastiholi SC, Ramadurg UY, Dhaded SM, Pasha O, Patel A, **Esamai F**, Chomba E, Garces A, Althabe F, Carlo WA, Goldenberg RL, Hibberd PL, Liechty EA, Krebs NF, Hambidge MK, Moore JL, Wallace DD, Derman RJ, Bhalachandra KS, Bose CL. Data quality monitoring and performance metrics of a prospective, population-based observational study of maternal and newborn health in low resource settings.

Reprod Health. 2015 Jun 8;12 Suppl 2:S2. doi: 10.1186/1742-4755-12-S2-S2. Epub 2015 Jun 8.

Pasha O, Saleem S, Ali S, Goudar SS, Garces A, **Esamai F**, Patel A, Chomba E, Althabe F, Moore JL, Harrison M, Berrueta MB, Hambidge K, Krebs NF, Hibberd PL, Carlo WA, Kodkany B, Derman RJ, Liechty EA, Koso-Thomas M, McClure EM, Goldenberg RL.

Maternal and newborn outcomes in Pakistan compared to other low and middle income countries in the Global Network's Maternal Newborn Health Registry: an active, community-based, pregnancy surveillance mechanism.

Reprod Health. 2015 Jun 8;12 Suppl 2:S15. doi: 10.1186/1742-4755-12-S2-S15. Epub 2015 Jun 8.

Marete I, Mutugi M, Lagat Z, Obala J, Mwangi A, Esamai F

Malaria parasitaemia among febrile children infected with human immunodeficiency virus in the context of prophylactic Cotrimoxazole as standard of care: A cross sectional survey in western Kenya.

East African Medical Journal 01/2014; 91:21-28

Tshefu A<sup>1</sup>, Lokangaka A<sup>1</sup>, Ngaima S<sup>1</sup>, Engmann C<sup>2</sup>, **Esamai F**<sup>3</sup>, Gisore P<sup>3</sup>, Ayede AI<sup>4</sup>, Falade AG<sup>4</sup>, Adejuyigbe EA<sup>5</sup>, Anyabolu CH<sup>6</sup>, Wammanda RD<sup>7</sup>, Ejembi CL<sup>8</sup>, Ogala WN<sup>7</sup>, Gram L<sup>9</sup>, Cousens S<sup>9</sup> African Neonatal Sepsis Trial (AFRINEST) group

Oral amoxicillin compared with injectable procaine benzylpenicillin plus gentamicin for treatment of neonates and young infants with fast breathing when referral is not possible: a randomised, open-label, equivalence trial.

Lancet. 2015 Apr 1. pii: S0140-6736(14)62285-6. doi: 10.1016/S0140-6736(14)62285-6. [Epub ahead of print]

Tshefu A<sup>1</sup>, Lokangaka A<sup>1</sup>, Ngaima S<sup>1</sup>, Engmann C<sup>2</sup>, **Esamai F**<sup>3</sup>, Gisore P<sup>4</sup>, Ayede AI<sup>5</sup>, Falade AG<sup>5</sup>, Adejuyigbe EA<sup>6</sup>, Anyabolu CH<sup>6</sup>, Wammanda RD<sup>7</sup>, Ejembi CL<sup>8</sup>, Ogala WN<sup>7</sup>, Gram L<sup>9</sup>, Cousens S<sup>9</sup>. African Neonatal Sepsis Trial (AFRINEST) group

Simplified antibiotic regimens compared with injectable procaine benzylpenicillin plus gentamicin for treatment of neonates and young infants with clinical signs of possible serious bacterial infection when referral is not possible: a randomised, open-label, equivalence trial.

Lancet. 2015 Apr 1. pii: S0140-6736(14)62284-4. doi: 10.1016/S0140-6736(14)62284-4. [Epub ahead of print]

2014

**Esamai F**, Liechty E, Ikemeri J, Westcott J, Kemp J, Culbertson D, Miller LV, Hambidge KM, Krebs NF.

Zinc Absorption from Micronutrient Powder Is Low but Is not Affected by Iron in Kenyan Infants.

Nutrients. 2014 Dec 8;6(12):5636-5651.

Althabe F, Belizán JM, McClure EM, Hemingway-Foday J, Berrueta M, Mazzoni A, Ciganda A, Goudar SS, Kodkany BS, Mahantshetti NS, Dhaded SM, Katageri GM, Metgud MC, Joshi AM, Bellad MB, Honnungar NV, Derman RJ, Saleem S, Pasha O, Ali S, Hasnain F, Goldenberg RL, **Esamai F**, Nyongesa P, Ayunga S, Liechty EA, Garces AL, Figueroa L, Hambidge KM, Krebs NF, Patel A, Bhandarkar A, Waikar M, Hibberd PL, Chomba E, Carlo WA, Mwiche A, Chiwila M, Manasyan A, Pineda S, Meleth S, Thorsten V, Stolka K, Wallace DD, Koso-Thomas M, Jobe AH, Buekens PM.

A population-based, multifaceted strategy to implement antenatal corticosteroid treatment versus standard care for the reduction of neonatal mortality due to preterm birth in low-income and middle-income countries: the ACT cluster-randomised trial.

Lancet. 2014 Oct 15. pii: S0140-6736(14)61651-2. doi: 10.1016/S0140-6736(14)61651-2. [Epub ahead of print]

Fuertes E, Butland BK, Ross Anderson H, Carlsten C, Strachan DP, Brauer M; ISAAC Phase Three Study Group.

Childhood intermittent and persistent rhinitis prevalence and climate and vegetation: a global ecologic analysis.

Ann Allergy Asthma Immunol. 2014 Oct;113(4):386-92.e9. doi: 10.1016/j.anai.2014.06.021. Epub 2014 Jul

Salinah J Rono, Rose Kakai, Fabian **Esamai**, Erick Mibei, Elizabeth Odundo  
Pathotypes and virulence markers in *escherichia coli* associated with diarrhoea among HIV seropositive and seronegative children below five years in western kenya

European Scientific Journal September 2014 edition vol.10, No.27 ISSN: 1857 – 7881 (Print) e - ISSN 1857- 7431 180

Salinah J. Rono, Rose Kakai, Fabian **Esamai**, Sheila CheboreA. Kimutai  
Antibiotic Profiles of Bacterial Enteropathogens associated with Diarrhea among HIV Positive and Negative Patients aged below five years in Western Kenya  
Journal of Medical Science and Clinical Research. 09/2014; 2(9):2345 – 2356

Rono Salinah J, Rose Kakai, Fabian **Esamai**

Prevalence and Clinico-Demographic Characteristics Associated with Bacterial Diarrhea among HIV Positive and Negative Children Aged Below Five Years at Moi Teaching and Referral Hospital, Kenya,

American Journal of Life Sciences. 07/2014; 2(5):1 - 8.

---

Saleem S, McClure EM, Goudar SS, Patel A, **Esamai F**, Garces A, Chomba E, Althabe F, Moore J, Kodkany B, Pasha O, Belizan J, Mayansyan A, Derman RJ, Hibberd PL, Liechty EA, Krebs NF, Hambidge KM, Buekens P, Carlo WA, Wright LL, Koso-Thomas M, Jobe AH, Goldenberg RL; Global Network Maternal Newborn Health Registry Study Investigators.

A prospective study of maternal, fetal and neonatal deaths in low- and middle-income countries.

Bull World Health Organ. 2014 Aug 1;92(8):605-12. doi: 10.2471/BLT.13.127464. Epub 2014 Jun 5.

Seale AC, Blencowe H, Manu AA, Nair H, Bahl R, Qazi SA, Zaidi AK, Berkley JA, Cousens SN, Lawn JE; pSBI Investigator Group. Estimates of possible severe bacterial infection in neonates in sub-Saharan Africa, south Asia, and Latin America for 2012: a systematic review and meta-analysis. Lancet Infect Dis. 2014 Aug;14(8):731-41. doi: 10.1016/S1473-3099(14)70804-7. Epub 2014 Jun 25.

Yoshida S, Rudan I, Lawn JE, Wall S, Souza JP, Martines J, Bahl R; neonatal health research priority setting group.

Newborn health research priorities beyond 2015.

Lancet. 2014 Jul 12;384(9938):e27-9. doi: 10.1016/S0140-6736(14)60263-4. Epub 2014 May 19. No abstract available.

Choge JK, Ng wena MA, Akhwale W, Koech J, Ngeiywa MM, Oyoo Okoth E, **Esamai F**, Osano O, Khayeka-Wandabwa C, Kweka EJ.

Symptomatic malaria diagnosis overestimate malaria prevalence, but underestimate anaemia burdens in children: results of a follow up study in Kenya.

BMC Public Health. 2014 Apr 9;14(1):332. [Epub ahead of print]

Joseph K. Choge, Magak A.G. Ng'wena, Willis Akhwale, Julius Koech, Moses M. Ngeiywa, Elijah Oyoo-Okoth, Fabian Esamai, Odipo Osano, Christopher Wandabwa-Khayeka

Symptomatic malaria treatment overestimate malaria but underestimate anaemia burdens in children in developing countries: Results of a follow up study in Kenya.

BMC Public Health 04/2014

---

Bang A, Bellad R, Gisore P, Hibberd P, Patel A, Goudar S, **Esamai F**, Goco N, Meleth S, Derman RJ, Liechty EA, McClure E, Carlo WA, Wright LL.

Implementation and evaluation of the Helping Babies Breathe curriculum in three resource limited settings: does Helping Babies Breathe save lives? study protocol. BMC Pregnancy Childbirth. 2014 Mar 26;14(1):116. [Epub ahead of print]

McClure EM, Nathan RO, Saleem S, **Esamai F**, Garces A, Chomba E, Tshetu A, Swanson D, Mabeya H, Figuero L, Mirza W, Muyodi D, Franklin H, Lokangaka A, Bidashimwa D, Pasha O, Mwenechanya M, Bose CL, Carlo WA, Hambidge KM, Liechty EA, Krebs N, Wallace DD, Swanson J, Koso-Thomas M, Widmer R, Goldenberg RL.

First look: a cluster-randomized trial of ultrasound to improve pregnancy outcomes in low income country settings.

BMC Pregnancy Childbirth. 2014 Feb 17;14(1):73. [Epub ahead of print]

2013

I Marete · J Simba · P Gisore · C Tenge · D Bosire · A Mwangi · F Esamai  
Nutritional status of children admitted for diarrhoeal diseases in a referral hospital  
in Western Kenya. *East African medical journal* 07/2013; 90(7):222-225

Seale AC, Blencowe H, Zaidi A, Ganatra H, Syed S, Engmann C, Newton CR,  
Vergnano S, Stoll BJ, Cousens SN, Lawn JE; Neonatal Infections Estimation  
Team.

Neonatal severe bacterial infection impairment estimates in South Asia, sub-  
Saharan Africa, and Latin America for 2010.

*Pediatr Res.* 2013 Dec;74 Suppl 1:73-85. doi: 10.1038/pr.2013.207.

Gisore P, Rono B, Marete I, Nekesa-Mangeni J, Tenge C, Shipala E, Mabeya H,  
Odhiambo D, Otieno K, Bucher S, Makokha C, Liechty E, **Esamai F**.

Commonly cited incentives in the community implementation of the emergency  
maternal and newborn care study in western Kenya.

*Afr Health Sci.* 2013 Jun;13(2):461-8. doi: 10.4314/ahs.v13i2.37.

Pasha O, McClure EM, Wright LL, Saleem S, Goudar SS, Chomba E, Patel A, **Esamai F**,  
Garces A, Althabe F, Kodkany B, Mabeya H, Manasyan A, Carlo WA, Derman RJ,  
Hibberd PL, Liechty EK, Krebs N, Hambidge KM, Buekens P, Moore J, Jobe AH, Koso-  
Thomas M, Wallace DD, Stalls S, Goldenberg RL.

A combined community- and facility-based approach to improve pregnancy  
outcomes in low-resource settings: a Global Network cluster randomized trial.

*BMC Med.* 2013 Oct 3;11(1):215. [Epub ahead of print]

Zaidi AK, Baqui AH, Qazi SA, Bahl R, Saha S, Ayede AI, Adejuyigbe EA,  
Engmann C, **Esamai F**, Tshefu AK, Wammanda RD, Falade AG, Odebiyi  
A, Gisore P, Longombe AL, Ogala WN, Tikmani SS, Uddin Ahmed AS,  
Wall S, Brandes N, Roth DE, Darmstadt GL.

Scientific rationale for study design of community-based simplified  
antibiotic therapy trials in newborns and young infants with clinically  
diagnosed severe infections or fast breathing in South Asia and sub-  
Saharan Africa.

*Pediatr Infect Dis J.* 2013 Sep;32(9 Suppl 1):S7-11. doi: 10.1097/INF.0b013e31829ff5fc.

**Esamai F**, Tshefu AK, Ayede AI, Adejuyigbe EA, Wammanda RD, Baqui  
AH, Zaidi AK, Saha S, Rollins NC, Wall S, Brandes N, Engmann C,  
Darmstadt G, Qazi SA, Bahl R.

Ongoing trials of simplified antibiotic regimens for the treatment of serious  
infections in young infants in South Asia and sub-Saharan Africa:  
implications for policy.

*Pediatr Infect Dis J.* 2013 Sep;32(9 Suppl 1):S46-9. doi: 10.1097/INF.0b013e31829ff941.

Wall SN, Mazzeo CI, Adejuyigbe EA, Ayede AI, Bahl R, Baqui AH,  
Blackwelder WC, Brandes N, Darmstadt GL, **Esamai F**, Hibberd PL,  
Jacobs M, Klein JO, Mwinga K, Rollins NC, Saloojee H, Tshefu AK,

Wammanda RD, Zaidi AK, Qazi SA.  
Ensuring quality in AFRINEST and SATT: clinical standardization and monitoring.

*Pediatr Infect Dis J.* 2013 Sep;32(9 Suppl 1):S39-45. doi: 10.1097/INF.0b013e31829ff801.

AFRican NEonatal Sepsis Trial Group.

Treatment of fast breathing in neonates and young infants with oral amoxicillin compared with penicillin-gentamicin combination: study protocol for a randomized, open-label equivalence trial.

*Pediatr Infect Dis J.* 2013 Sep;32(9 Suppl 1):S33-8. doi: 10.1097/INF.0b013e31829ff7eb.

AFRican NEonatal Sepsis Trial Group.

Simplified regimens for management of neonates and young infants with severe infection when hospital admission is not possible: study protocol for a randomized, open-label equivalence trial.

*Pediatr Infect Dis J.* 2013 Sep;32(9 Suppl 1):S26-32. doi: 10.1097/INF.0b013e31829ff7d1.

Goldenberg RL, McClure EM, Kodkany B, Wembodinga G, Pasha O, **Esamai F**, Tshetu A, Patel A, Mabaye H, Goudar S, Saleem S, Waikar M, Langer A, Bose CL, Rubens CE, Wright LL, Moore J, Blanc A.

A multi-country study of the "intrapartum stillbirth and early neonatal death indicator" in hospitals in low-resource settings.

*Int J Gynaecol Obstet.* 2013 Sep;122(3):230-3. doi: 10.1016/j.ijgo.2013.04.008.

Epub 2013 Jun 21.

Marete I, Tenge C, Pasha O, Goudar S, Chomba E, Patel A, Althabe F, Garces A, McClure EM, Saleem S, **Esamai F**, Kodkany BS, Belizan JM, Derman RJ, Hibberd PL, Krebs N, Buekens P, Goldenberg RL, Carlo WA, Wallace D, Moore J, Koso-Thomas M, Wright LL, Liechty EA.

Perinatal Outcomes of Multiple-Gestation Pregnancies in Kenya, Zambia, Pakistan, India, Guatemala, and Argentina: A Global Network Study.

*Am J Perinatol.* 2013 Mar 19.

Manasyan A, Saleem S, Koso-Thomas M, Althabe F, Pasha O, Chomba E, Goudar SS, Patel A, **Esamai F**, Garces A, Kodkany B, Belizan J, McClure EM, Derman RJ, Hibberd P, Liechty EA, Hambidge KM, Carlo WA, Buekens P, Moore J, Wright LL, Goldenberg RL; for the EmONC Trial Group.

Assessment of Obstetric and Neonatal Health Services in Developing Country Health Facilities.

*Am J Perinatol.* 2013 Jan 17. [Epub ahead of print]

Kirinyet J. K., Esamai, F. O., Magambo, J. K, Mkoji, G. M.

Effect of HIV Infection on Anti-Malarial Treatment Outcome Among in Patients at the Moi Teaching and Referral Hospital, Eldoret, Kenya

*International Journal of Advanced Research* (2013), Volume 1, Issue 3, 140-149  
140 ISSN NO 2320-5407

Kirinyet J. K., Esamai, F. O., Magambo, J. K., Mkoji, G. M.  
The Association of Falciparum Malaria and HIV/AIDS Infection in Relation to Parasitaemia and Anti-Malarial Treatment Outcome as seen at the Moi Teaching and Referral Hospital in Eldoret, Kenya  
International Journal of Advanced Research (2013), Volume 1, Issue 3, 150-158  
150 ISSN NO 2320-5407

2012

Althabe F, Belizán JM, Mazzoni A, Berrueta M, Hemingway-Foday J, Koso Thomas M, McClure E, Chomba E, Garces A, Goudar S, Kodkany B, Saleem S, Pasha O, Patel A, **Esamai F**, Carlo WA, Krebs NF, Derman RJ, Goldenberg RL, Hibberd P, Liechty EA, Wright LL, Bergel EF, Jobe AH, Buekens P.  
Antenatal corticosteroids trial in preterm births to increase Neonatal survival indeveloping countries: Study protocol.  
Reprod Health. 2012 Sep 19;9(1):22. [Epub ahead of print]

Goudar SS, Carlo WA, McClure EM, Pasha O, Patel A, **Esamai F**, Chomba E, Garces A, Althabe F, Kodkany B, Sami N, Derman RJ, Hibberd PL, Liechty EA, Krebs NF, Hambidge KM, Buekens P, Moore J, Wallace D, Jobe AH, Koso-Thomas M, Wright LL, Goldenberg RL.  
The Maternal and Newborn Health Registry Study of the Global Network for Women's and Children's Health Research.  
Int J Gynaecol Obstet. 2012 Jun 25. [Epub ahead of print]

Belizán JM, McClure EM, Goudar SS, Pasha O, **Esamai F**, Patel A, Chomba E, Garces A, Wright LL, Koso-Thomas M, Moore J, Althabe F, Kodkany BS, Sami N, Manasyan A, Derman RJ, Liechty EA, Hibberd P, Carlo WA, Hambidge KM, Buekens P, Jobe AH, Goldenberg RL.  
Neonatal Death in Low- to Middle-Income Countries: A Global Network Study.  
Am J Perinatol. 2012 May 29. [Epub ahead of print]

Garces A, McClure EM, Chomba E, Patel A, Pasha O, Tshefu A, **Esamai F**, Goudar S, Lokangaka A, Hamidge KM, Wright LL, Koso-Thomas M, Bose C, Carlo WA, Liechty EA, Hibberd PL, Bucher S, Whitworth R, Goldenberg RL.  
Home birth attendants in low income countries: who are they and what do they do?  
BMC Pregnancy Childbirth. 2012 May 14;12(1):34. [Epub ahead of print]

Ellwood P, Asher MI, Stewart AW, Aït-Khaled N, Mallol J, Strachan D; ISAAC Phase III Time Trends Study Group.  
The challenges of replicating the methodology between Phases I and III of the ISAAC programme.  
Int J Tuberc Lung Dis. 2012 May;16(5):687-93.

Gisore P, Shipala E, Otieno K, Rono B, Marete I, Tenge C, Mabeya H, Bucher S, Moore J, Liechty E, **Esamai F**.

- Community based weighing of newborns and use of mobile phones by village elders in rural settings in Kenya: a decentralised approach to health care provision.  
BMC Pregnancy Childbirth. 2012 Mar 19;12:15.
- 2011 Arusei, R J; Etyyang, G A; **Esamai, F**
- Feeding patterns and growth of term infants in Eldoret, Kenya  
Food and Nutrition Bulletin 32(4), Dec 2011 , pp. 307-314(8)
- McClure EM, Pasha O, Goudar SS, Chomba E, Garces A, Tshefu A, Althabe F, Esamai F, Patel A, Wright LL, Moore J, Kodkany BS, Belizan JM, Saleem S, Derman RJ, Carlo WA, Hambidge KM, Buekens P, Liechty EA, Bose C, Koso-Thomas M, Jobe AH, Goldenberg RL; on behalf of the Global Network Investigators\*
- Epidemiology of stillbirth in low-middle income countries: A Global Network Study.  
Acta Obstet Gynecol Scand. 2011 Dec;90(12):1379-85.
- 2010 Pasha O, Goldenberg RL, McClure EM, Saleem S, Goudar SS, Althabe F, Patel A, **Esamai F**, Garces A, Chomba E, Mazariegos M, Kodkany B, Belizan JM, Derman RJ, Hibberd PL, Carlo WA, Liechty E, Hambidge KM, Buekens P, Howard-Grabman L, Stalls S, Koso-Thomas M, Jobe AH, Wright LL.
- Communities, Birth Attendants and Health Facilities: A Continuum of Emergency Maternal and Newborn Care (The Global Network's EmONC Trial).  
BMC Pregnancy Childbirth. 2010 Dec 14;10(1):82.
- Ellwood P, Asher MI, Stewart AW; ISAAC Phase III Study Group.  
The impact of the method of consent on response rates in the ISAAC time trends study.  
Int J Tuberc Lung Dis. 2010 Aug;14(8):1059-65
- Anderson HR, Ruggles R, Pandey KD, Kapetanakis V, Brunekreef B, Lai CK, Strachan DP, Weiland SK; ISAAC Phase One Study Group.

- Ambient particulate pollution and the world-wide prevalence of asthma, rhinoconjunctivitis and eczema in children: Phase One of the International Study of Asthma and Allergies in Childhood (ISAAC).  
Occup Environ Med. 2010 May;67(5):293-300. Epub 2009 Oct 9
- Asher MI, Stewart AW, Mallol J, Montefort S, Lai CK, Ait-Khaled N, Odhiambo J; ISAAC Phase One Study Group  
Which population level environmental factors are associated with asthma, rhinoconjunctivitis and eczema? Review of the ecological analyses of ISAAC Phase One. *Respir Res.* 2010, Jan 2010;11: 8
- 2009 Odhiambo JA, Williams HC, Clayton TO, Robertson CF, Asher MI; ISAAC Phase Three Study Group.  
Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three.  
*J Allergy Clin Immunol.* 2009 Dec;124(6):1251-8.e23
- Ellwood P, Williams H, Ait-Khaled N, Björkstén B, Robertson C; ISAAC Phase III Study Group.  
Translation of questions: the International Study of Asthma and Allergies in Childhood (ISAAC) experience.  
*Int J Tuberc Lung Dis.* 2009 Sep;13(9):1174-82
- Z Premji, R E Umeh, S Owusu-Agyei, **F Esamai**, E U Ezedinachi, S Oguche, S Borrmann, A Sowunmi, S Duparc, P L Kirby, A Pamba, L Kellam, R Guiguemdé, B Greenwood, S A Ward, P A Winstanley
- Chlorproguanil–dapsone–artesunate versus artemether lumefantrine: a randomised, double-blind phase III trial in African children and adolescents with uncomplicated *Plasmodium falciparum* malaria  
*PLoS One.* 2009 Aug 19;4(8):e6682
- 2007 Einterz RM, Kimaiyo S, Mengech HNK, Khwa-Otsyula BO, **Esamai F**, Fran Quigley, J.D, and Mamlin JJ  
Responding to the HIV Pandemic: The Power of an Academic Medical Partnership.  
*Academic Medicine* 2007; 82: 812-8
- Ayaya S, Liechty E, Conway J, Kamau T, **Esamai F**  
Assessment of training needs and immunization coverage in western Kenya.  
*East Afr Med J* 2007; 84: 342 – 352
- Ait Khaled N, Odhiambo J, Pearce N, Adjoh KS, aesano IA, Benhabyles B, Bouhayad Z, Bahati E, Camara L, Catteau C, El Sony A, **Esamai F**, Hypolite IE et al  
Prevalence of symptoms of asthma, rhinitis and eczema in 13- to 14-year-old children in Africa: the International Study of Asthma and Allergies in Childhood

- Phase III.  
Allergy. 2007 Mar;62(3):247-258.
- 2006 Keverenge-Ettyang GA, Lichtenbelt MW, **Esamai F**, Saris W  
Maternal nutritional status in pastoral versus farming communities of West Pokot, Kenya: differences in iron and vitamin A status and body composition.  
Food Nutr Bull. 2006 Sep;27(3):228-35.
- Okoth F, Mbuthia J, Gatheru Z, Murila F, Kanyingi F, Mugo F, **Esamai F**, Alavi Z, Otieno J, Kiambati H, Wanjuki N.  
Seroprevalence of Hepatitis B markers in pregnant women.  
East Afr Med J 83: 485 – 493 2006
- Makyusa S, Wamae A, Wasunna A, Were F, **Esamai F**, Ogotu B, Muriithi A, Peshu N, English M  
Use of Paediatric admission record (PAR) in district hospitals in Kenya: a pilot study  
BMC International Health and Human Rights Journal 6:9 2006
- 2005 Ettyang G A, van Marken Lichtenbelt W D, **Esamai F**, Saris W H, Westerterp K R.  
Assessment of body composition and breastmilk volume in lactating mothers in pastoral communities in Pokot, Kenya, using deuterium oxide.  
Ann Nutr Metab 49: 110 – 117 2005
- Esamai F**, Tenge CN, Ayuo P, Owino Ongor WD, Obala A, Jakaiti B  
A randomised open label controlled trial to compare the efficacy of IV Quinine followed by oral quinine and IV Quinine followed by oral Malarone in the treatment of severe malaria.  
J Trop Paed 51: 17 - 24 2005
- 2004 Ayaya SO, **Esamai FO**, Rotich J, Olwambula AR  
Socio-economic factors predisposing under five-year-old children to severe protein energy malnutrition at the Moi Teaching and Referral Hospital, Eldoret, Kenya.  
East Afr Med J. 81 : 415-21 2004
- Ayaya SO, **Esamai FO**, Rotich J, Liechty E  
Perinatal mortality in the special care nursery of Moi teaching and referral Hospital, Kenya  
East Afr Med J 81: 555 – 61 2004
- English M, **Esamai F**, Were F, Wasunna A, Ogotu B, Wamae A, Snow RW, Peshu N,  
Delivery of paediatric care at the first referral level in Kenya  
Lancet 364: 1622 - 29 2004

- English M, **Esamai F**, Were F, Wasunna A, Ogutu B, Wamae A, Snow RW, Peshu N,  
Assessment of inpatient paediatric care in first referral level hospitals in 13 districts in Kenya.  
Lancet 363: 1948 – 53; 2004
- 2003 **Esamai F**, Mining S, Helena JO, Sussanne W, Forsberg P, Ernerudh J  
Serum and Cerebrospinal TNF- $\alpha$  and TGF- $\beta$  in cerebral malaria in children and their relationship to outcome.  
J Trop Paed 49: 216-23; 2003
- Makokha EP, Ogola M, Orago ASS, Koech DK, Mpoke S, **Esamai F**, et al  
CD4 T lymphocyte subsets and disease manifestation in children with and without HIV born to HIV-1 infected mothers  
East Afr Med J 80: 95 – 100; 2003
- 2002 **Esamai F**, Ayaya S, Nyandiko W  
Prevalence of asthma and allergies in primary school children in Uasin Gishu district 1995 - 2001.  
East Afr Med J 79: 514 - 18 2002
- 2001 Ayaya S, **Esamai F**.  
Health problems of street children in Eldoret.  
East Afr Med J 78: 624 - 9 2001
- Kamau N, **Esamai F**  
Determinants of immunisation coverage in children in Mathare slums, Nairobi Kenya.  
East Afr Med J 78: 590 - 4 2001
- Ayaya S, **Esamai F**, Rotich J, Siddle J.  
Perinatal Morbidity at the Moi Teaching and referral Hospital,: a retrospective study.  
East Afr Med J 78: 544 - 9 2001
- Esamai F**, Mining S, Forsberg P, Togawa T, Lewis DH.  
A comparison of brain, core and skin temperature in children with cerebral and uncomplicated malaria in Eldoret, Kenya.  
J Trop Paed 47: 170 - 5 2001
- 2000 Hannan TJ, Rotich JK, Odero WW, Menya D, **Esamai F**, Einterz RM, Sidle J, Sidle Joy, Smith F, Tierney WM.  
The Mosoriot medical records system: design and initial implementation of an outpatient electronic record system in rural Kenya.

- Internatl J Med Informatics 60: 21 - 8 2000.*
- Esamai F.** Ayuo P, Owino Ongor W, Rotich J, Ngindu A, Obala A, Ogaro F, Quoqia Li, Xingbo G. *Guangqian Li.* Rectal dihydroartemisinin vs intravenous quinine in the treatment of severe malaria: a randomised clinical trial. *East Afr Med J 77 (5): 273 -8 2000*
- 1999 **Esamai F,** Nabakwe E, Mining S, Forsberg P, Lewis DH. The clinical presentation and diagnosis of cerebral malaria in children in the highlands of western Kenya. *East Afr Med J. 76(2):89-92 1999.*
- 1998 **Esamai F,** The relationship between exposure to tobacco smoke and bronchial asthma in children: A review *East Afr Med J 75(1): 47 -50 1998.*
- 1996 **Esamai F,** Anabwani GM. Prevalence of bronchial asthma, allergic rhinitis and eczema among primary school children aged 13-14 years in Uasin Gishu district using the ISAAC questionnaire. *East Afr Med J 173: 474-8 1996.*
- Anabwani GM, **Esamai F,** Menya DA. A randomised control trial to assess the relative efficacy of four antimalarial drugs: chloroquine, amodiaquine, halofantrine and fansidar in the treatment of uncomplicated malaria in children aged 3-12 years at the Eldoret district hospital. *East Afr Med J 73: 155- 8 1996*
- 1995 **Esamai F,** Jivaji S, Forsberg P, Lewis DH, Anabwani GM. A comparison of core and skin temperature among normal and febrile children with cerebral malaria, uncomplicated malaria and measles. *Pathophysiology 2: 55- 9 1995.*
- Menge I, **Esamai F,** Van Reken D, Anabwani GM. Paediatric morbidity and mortality at the Eldoret District hospital. *East Afr Med J 72: 165-9 1995.*
- 1994 **Esamai F,** Songa J. Role of antenatal clinics in the health education of mothers on breast-feeding at the Eldoret district hospital. *East Afr Med J 71: 149- 54 1994.*
- Esamai F.** Comparison of the standard mercury thermometer and the liquid crystal contact

thermometer in febrile children at the Eldoret district hospital.  
*East Afr Med J* 71: 193-4 1994.

**Esamai F**, Buku G.

HIV seropositivity among children with diarrhea at the Eldoret hospital.  
*East African Medical Journal* 71: 632-4 1994.

- 1985 Kinoti SN, Anabwani GM, **Esamai F**, Kyambi JM  
Congenital diaphragmatic hernia: a case report and a review of the cases at the  
Kenyatta National Hospital 1970-83.  
*East Afr Med J* 62: 832 1985.

### ISAAC RESEARCH GROUP PUBLICATIONS

1. Ait-Khaled N, Pearce N, Anderson HR, Ellwood P, Montefort S, Shah J, and the ISAAC Phase Three Study Group.(Study group includes **Esamai**). *Global map of the prevalence of symptoms of rhinoconjunctivitis in children: The International Study of Asthma and Allergies in Childhood (ISAAC) Phase Three*. *Allergy* 2009; 64: 123–148.
2. Anderson HR, Poloniecki JD, Strachan DP, Beasley R, Björkstén B, Asher MI, and the ISAAC Phase One Study Group.(Study group includes **Esamai**). *Immunization and symptoms of atopic disease in children: Results from the International Study of Asthma and Allergies in Childhood*. *Am J Publ Health* 2001; 91(7): 1126-9.
3. Anderson HR, Ruggles R, Pandey KD, Kapetanakis V, Brunekreef B, Lai CKW, Strachan DP, Weiland SK, and the ISAAC Phase One Study Group. (Study group includes **Esamai**). *Ambient particulate pollution and the world-wide prevalence of asthma, rhinoconjunctivitis and eczema in children: Phase One of the International Study of Asthma and Allergies in Childhood (ISAAC)*. *Occup Environ Med* Published Online First: 9 October 2009.  
doi:10.1136/oem.2009.048785
4. Asher MI, Montefort S, Björkstén B, Lai CKW, Strachan DP, Weiland SK, Williams H, and the ISAAC Phase Three Study Group.(Study group includes **Esamai**). *Worldwide time trends in the prevalence of symptoms of asthma, allergic rhinoconjunctivitis, and eczema in childhood: ISAAC Phases One and Three repeat multicountry cross-sectional surveys*. *Lancet* 2006; 368(9537): 733-743.
5. Asher MI, Stewart AW, Mallol J, Montefort M, Lai CKW, Ait-Khaled N, Odhiambo J, and

the ISAAC Phase One Study Group.(Study group includes **Esamai**). *Which population level environmental factors are associated with asthma, rhinoconjunctivitis and eczema? A review of the ecological analyses of ISAAC Phase One*. Respiratory Research. 2010; 11(8):epub ahead of print

6. Asher MI, Weiland SK, on behalf of the ISAAC Steering Committee.(Study group includes **Esamai**). *The International Study of Asthma and Allergies in Childhood (ISAAC)*. Clin Exp Allergy 1998; 28 Suppl 5: 52-66.

7. Björkstén B, Clayton T, Ellwood P, Stewart A, Strachan D, and the ISAAC Phase Three Study Group.(Study group includes **Esamai**). *Worldwide time trends for symptoms of rhinitis and conjunctivitis: Phase III of the International Study of Asthma and Allergies in Childhood*. Pediatr Allergy Immunol 2008; 19(2): 110-24.

8. Burr ML, Emberlin JC, Treu R, Cheng S, Pearce NE, and the ISAAC Phase One Study Group.(Study group includes **Esamai**). *Pollen counts in relation to the prevalence of allergic rhinoconjunctivitis, asthma and atopic eczema in the International Study of Asthma and Allergies in Childhood (ISAAC)*. Clin Exp Allergy 2003; 33(12): 1675-80.

9. Crane J, Mallol J, Beasley R, Stewart A, Asher MI, on behalf of the ISAAC Phase One Study Group.(Study group includes **Esamai**). *Agreement between written and video questions for comparing asthma symptoms in ISAAC*. Eur Respir J 2003; 21(3): 455-61.

10. Ellwood P, Asher MI, Beasley R, Clayton TO, Stewart AW, on behalf of the ISAAC Steering Committee and the ISAAC Phase Three Study Group.(Study group includes **Esamai**). *ISAAC Phase Three Manual*. Auckland.July 2000.ISBN 0-473-06910-5.

11. Ellwood P, Asher MI, Björkstén B, Burr M, Pearce N, Robertson CF, and the ISAAC Phase One Study Group.(Study group includes **Esamai**). *Diet and asthma, allergic rhinoconjunctivitis and atopic eczema symptom prevalence: An ecological analysis of the International Study of Asthma and Allergies in Childhood (ISAAC) data*. Eur Respir J 2001; 17(3): 436-443.

12. Ellwood P, Williams H, Ait-Khaled N, Björkstén B, Robertson C, ISAAC Phase III Study Group.(Study group includes **Esamai**). *Translation of questions: The International Study of Asthma and Allergies in Childhood (ISAAC) experience*. Int J Tuberc Lung Dis. September 2009; 13(9): 1174-1182.

13. Foliaki S, Kildegaard Nielsen S, Björkstén B, von Mutius E, Cheng S, Pearce N, and the ISAAC Phase One Study Group.(Study group includes **Esamai**). *Antibiotic sales and the prevalence of symptoms of asthma, rhinitis, and eczema: The International Study of Asthma and Allergies in Childhood (ISAAC)*. Int J Epidemiol 2004; 33(3): 558-63.
14. Lai CKW, Beasley R, Crane J, Foliaki S, Shah J, Weiland S, and the ISAAC Phase Three Study Group.(Study group includes **Esamai**). *Global variation in the prevalence and severity of asthma symptoms: Phase Three of the International Study of Asthma and Allergies in Childhood (ISAAC)*. Thorax 2009; 64: 476–483.Epub Feb 2009.
15. Mitchell EA, Stewart AW, on behalf of the ISAAC Phase One Study Group.(Study group includes **Esamai**). *The ecological relationship of tobacco smoking to the prevalence of symptoms of asthma and other atopic diseases in children: The International Study of Asthma and Allergies in Childhood (ISAAC)*. Eur J Epidemiol 2001; 17(7): 667-73.
16. Odhiambo J, Williams H, Clayton T, Robertson C, Asher MI, and the ISAAC Phase Three Study group.(Study group includes **Esamai**). *Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three* J Allergy Clin Immunol. Dec 2009;124(6):1251-8.
17. Pearce N, Ait-Khaled N, Beasley R, Mallol J, Keil U, Mitchell E, Robertson C, and the ISAAC Phase Three Study Group.(Study group includes **Esamai**). *Worldwide trends in the prevalence of asthma symptoms: Phase III of the International Study of Asthma and Allergies in Childhood (ISAAC)*. Thorax 2007; 62(9): 758-66.
18. Shirtcliffe P, Weatherall M, Beasley R, on behalf of the ISAAC Phase One Study Group.(Study group includes **Esamai**). *An inverse correlation between estimated tuberculosis notification rates and asthma symptoms*. Respirology 2002; 7(2): 153-5.
19. Strachan D, Sibbald B, Weiland S, Ait-Khaled N, Anabwani G, Anderson HR, Asher MI, Beasley R, Björkstén B, Burr M, Clayton T, Crane J, Ellwood P, Keil U, Lai C, Mallol J, Martinez F, Mitchell E, Montefort S, Pearce N, Robertson C, Shah J, Stewart A, von Mutius E, Williams H.(Study group includes **Esamai**). *Worldwide Variations in prevalence of symptoms of allergic rhinoconjunctivitis in children: the International Study of Asthma and Allergies in Childhood (ISAAC)*. Pediatr Allergy Immunol 1997; 8(4): 161-76.
20. The International Study of Asthma and Allergies in Childhood (ISAAC) Steering Committee. (Study group includes **Esamai**). *Worldwide variation in the prevalence of symptoms*

of asthma, allergic rhinoconjunctivitis, and atopic eczema: ISAAC. Lancet 1998; 351(9111): 1225-32.

21. The International Study of Asthma and Allergies in Childhood (ISAAC) Steering Committee.(Study group includes **Esamai**). *Worldwide variations in the prevalence of asthma symptoms: the International Study of Asthma and Allergies in Childhood (ISAAC)*. Eur Respir J 1998; 12(2): 315-335.

22. Weiland SK, Hüsing A, Strachan, Rzehak P, Pearce N, and the ISAAC Phase One Study Group.(Study group includes **Esamai**). *Climate and the prevalence of symptoms of asthma, allergic rhinitis and atopic eczema in children*. Occup Environ Med 2004; 61(7): 609-15

23. Williams H, Robertson C, Stewart A, Ait-Khaled N, Anabwani G, Anderson HR, Asher MI, Beasley R, Björkstén B, Burr M, Clayton T, Crane J, Ellwood P, Keil U, Lai C, Mallol J, Martinez F, Mitchell E, Montefort S, Pearce N, Shah J, Sibbald B, Strachan D, von Mutius E, Weiland S.(Study group includes **Esamai**). *Worldwide variations in the prevalence of symptoms of atopic eczema in the international study of asthma and allergies in childhood*. J Allergy Clin Immunol 1999; 103(1 Pt 1): 125-38.

24. Williams H, Stewart A, von Mutius E, Cookson B, Anderson HR, and the ISAAC Phase One and Three Study groups.(Study group includes **Esamai**). *Is eczema really on the increase worldwide?* J Allergy Clin Immunol 2008; 121(4): 947-54.

**Books published:** Asthma in children in Africa – Chapter on Paediatric Asthma in East Africa

### **POST GRADUATE SUPERVISION**

Prevalence of AKI in the counties of uasin Gishu, Bungoma and Kitui by Phillip Cheptinga PhD at VU Univeristy Netherlands  
**Ongoing**

Prevalence of Acute kidney injury among children with cancer at MTRH by Mwebi MMed Child Health and Paediatrics **Ongoing**

Effect of auditory and tactile kinesthetic stimulation on physiological parameter, physical growth and behavioural development of preterm neonates in MTRH by Emily Nyaga PhD Alexandria University **Ongoing**

Problem based perceptions of Graduates of MUCHS and students of MUCHS for a **PhD** in medical education by Dr. Joseph Abuya.

**Ongoing**

Management practices of postoperative pain in neonates at the newborn unit MTRH by Martina Mukami MSc Nursing **Ongoing**

Effectiveness of infection control and prevention practices at MTRH newborn unit by Irene Koech MSc Nursing 2014 **Ongoing**

Adherence to WHO guidelines in the management of Severe acute malnutrition at MTRH: MMed Paeds 2014 by Risper Jepngetich

**Ongoing**

Care practices and outcomes during the neonatal period for preterm babies in Kisii level five hospital newborn unit by Mochama, Rhodah Sigara; MSc Nursing School of Nursing 2014: **Ongoing**

Parasitological based malaria diagnosis: a case of Uasin Gishu Eldoret municipality by Sudoi K. Raymond sph/pgh/nc/1006/12 MPH, SPH. **2015 Ongoing**

The role of fathers' involvement in maternal and child health: a community perspective study in Teso, Kenya by Silvanus Omongor Odukis sph/pgh/14/09; MPH SPH. **2015 Ongoing**

A comparison of malaria parasitaemia among children with HIV and among those who are HIV negative seen in malaria endemic regions of western Kenya; 2012 -2015 PhD thesis by Marete Irene JKUAT. **Submitted**

Malaria parasitaemia among asymptomatic infants seen in malaria endemic regions of western Kenya by Irene Marete for MPH School of Public health Moi university 2014. **Defended.**

Use and knowledge of RDTs among health workers in Uasin Gishu County; MPH thesis by Ruth Kirinyet SP.2014 **Defended**

Diarrhea bacterial infections among HIV positive and HIV negative children treated at MTRH 2014

PhD thesis, Maseno University by Mrs. J.Rono. **Defended**

CWC follow up of children under 12 months in MTRH M Med Thesis in Paediatrics by Dr. Kilonzo Moi University School of Medicine. 2014 **Graduated**

Comparison of Clinical, microscopy and PCR in the diagnosis of malaria in children treated for malaria below 12 years at MTRH – Dr., Fred Odongo MMed thesis **-Graduated**

Severe malnutrition among children in the Paediatrics wards of MTRH  
M Med thesis in Paediatrics by Dr. Ochango, Moi university School of Medicine. **Deceased**

Genetic diversity in the Mycobacterium tuberculosis and immunity against tuberculosis in malarial infected compared with uninfected children in western Kenya. PhD thesis -Richard Biegon. **Ongoing**

Evaluation of malaria diagnosis criteria in children and mosquito species distribution in the highlands and lowlands of western Kenya. Joseph Choge of School of Science, Moi University. PhD thesis. **Graduated**

Neonatal management programs in the community set up: Health systems perspectives: PhD thesis by Peter Gisore, GLUK , Kisumu - **MENTORSHIP**

The first ten weeks growth and feeding patterns of term infants attending the municipal health centre in West Eldoret town, Kenya MPH thesis by Roselyn Arusei. **Graduated**

Self medication with antimalarial drugs in Gesima location, Masaba district, Kenya. MPH thesis by Douglas Bosire. **Graduated**

Relationship between HIV and Malaria parasitaemia in children and adults at MTRH PhD thesis JKUAT by Joel K Kirinyet. **Graduated.**

Nursing care in the newborn unit and maternity at MTRH M Sc Nursing thesis by Priscah Mosol. **Graduated**

Micronutrients among lactating women in Kenya - West pokot study PhD thesis Maastricht - Moi University - Grace Etyang. **Graduated**

PEM in institutionalised children seropositive for HIV in Nairobi MPH thesis, IPH Moi University 1999/2001. - Peninah Muriuki. **Graduated**

The effects of the HIV epidemic on infant feeding practices and

attitudes among HIV+ mothers in Kayole, Nairobi and Homa Bay. MPH thesis, IPH Moi University 2000/2002 Assumpta N. Ngombalu. **Dropped out**

A comparison of the prevalence of PEM among under five children of HIV positive and those of HIV negative parents MPH thesis, SPH Moi University 2002/2005 - Eunice Were. **Graduated**

Factors associated with congestive cardiac failure among children with rheumatic heart disease at MTRH \_ Eren Oyungu M Med Thesis Moi University (Paediatrics) 2005/7. **Graduated**

Effects of malaria on haemoglobin and blood glucose among children aged 5 and below: a case of Turbo Health centre MPH thesis Moi University by Joseph Kiprop Choge. 2004 – 7. **Graduated**

Impact of HIV on Malaria parasitaemia in children and adults at MTRH M Sc thesis JKU AT by Joel K Kirinyet. **Graduated**

### **EXTERNAL EXAMINER**

2015

External examiner, Master of medicine examinations Department of Paediatrics, School of Medicine Makerere Uganda.

Prevalence and factors associated with anaemia among children one to twenty four months attending the young children's clinic in kamuli general hospital by Jane Nabakooza MMed Makerere

Prevalence and factors associated with malnutrition in children aged 6-59 months in post conflict kitgum district in northern Uganda by Ajok Juliet MMed Makerere

Inpatient adherence to antiretroviral therapy and associated factors among hiv infected children at Mulago Hospital by Vidya Ganapathiraju MMed Makerere

Asthma control and associated factors among children attending mulago hospital by Abeso Julian MMed Makerere

Clinical manifestations in school children aged 5-15yrs in Sissa subcounty , Wakiso district by Nayiga Irene MMed Makerere

Growth and pubertal development of children with diabetes mellitus attending mulago hospital by Mary Nkibirango Kitaamirike MMed

Makerere

- 2014 External examiner, Master of medicine examinations  
Department of Paediatrics, School of Medicine Makerere Uganda

External examination of thesis: prevalence and factors associated with congenital malaria in newborns aged 107days attending Tororo district hospital, Uganda: by Stan Hangi MMed Paediatrics, Makerere

External examination of thesis: prevalence, severity and clinical characteristics of acute kidney injury among children with severe malaria at Mulago hospital by Akobye Winnie; MMed Paediatrics Makerere

External examination of thesis: waiting time for triaged children with emergency signs in acute care unit of Mulago national referral hospital by Justin Bruno Tongun MMed Paediatrics Makerere

External examination of thesis: multiple anti-epileptic drug therapy in children with epilepsy: the prevalence and associated factors by Rita Atugonza MMed paediatrics makerere

External examination of thesis: asymptomatic bacteriuria among children with sickle cell anaemia attending the sickle cell clinic at Mulago hospital: by Kimera Joel MMed paediatrics makerere

External examination of thesis: prevalence and factors associated with anaemia among children aged 6 to 59 months attending Nakaseke general hospital, Nakaseke district, Uganda by Violette Nabatte MMed Paediatrics Makerere

- 2013 External examiner, MB ChB examinations, University of Namibia School of medicine, department of Paediatrics, Namibia

- 2012 Factors associated with Health seeking behavior of caretakers for common illnesses of children under 5 years in Karemu division, Siaya district, Maesno University MSc Thesis by John Jackton Okeyo.

- 2011 Determinants of diarrhea prevalence among children under five years old in Dadaab refugee camp, Garissa, North eastern Province By Muktar Bulale, MPH thesis Maseno University.

Plasmodium falciparum population structure in children with

severe malaria anaemia in Kisumu, Western Kenya ; MSc thesis, Maseno University by Josphat Nyandieka Nyataya

2010

Aga Khan University, Nairobi MMed Paediatrics

Health burden of malaria among HIV positive women attending postnatal services in Nyalenda health centre, Kisumu town – M Sc thesis, Maseno University

Determinants of underfive mortality among pastoral communities in Mashuru division, Kajiado district, Rift Valley Province, Kenya – MPH thesis by Lydia Wanjiru Kirika Maseno University.

2009

Aga Khan University, Nairobi M Med Paediatrics

Maseno University, MPH thesis for Deborah Aleyo Mogoja entitled Determinants, diagnosis and initiation of medical care for HIV exposed children below 10 years in Kisii district hospital, Kenya.

Maseno University, MPH thesis for Henry Onyango Ndege entitled The functional associations between IL-4 and IL-6 promotor polymorphisms and paediatric malaria anaemia in western Kenya.

Maseno University, MPH thesis for James Mwangi entitled A comparison between Clinician conducted vaginal swabs and Self conducted vaginal swabs in a fishing beach in Lake Victoria.  
Maseno University, MPH thesis for David Ochieng Okach entitled Retrospective comparative study on age related malaria burden in Kapsabet and Kisumu districts, Western Kenya.

Maseno University, MPH thesis for Henry Onyango Ndege entitled The functional associations between IL-4 and IL-6 promotor polymorphisms and paediatric malaria anaemia in western Kenya.

2008

Aga Khan University, Nairobi M Med Paediatrics

Maseno University M Sc thesis by Odongo Akelo titled Health burden of malaria among HIV positive women attending postnatal services in Nyalenda Health centre , Kisumu town.

Maseno University M Sc thesis by Michael Malenya titled the erythrocyte CR1/CD% inhibition of TNF alpha production by preopsonised immune complex stimulated macrophages.

2007

External evaluation of Prof. Telahun Teka for suitability for

promotion to full Professor of Paediatrics in the Department of Paediatrics and Child Health, Faculty of Medicine, Addis Ababa University, Ethiopia.

Maseno University MSc thesis: Changes in erythrocyte complement susceptibility with age and level of complement regulatory proteins.

Maseno university MSc thesis: Characterization of apoptotic mechanisms in children infected with acute clinical plasmodium falciparum malaria.

2006 Maseno University for MSc thesis –Impact of HIV 1 exposure and HIV infection on haematological and immunological characteristics during acute plasmodium falciparum malaria in infants and young children by Richard Odak Otieno.

Maseno University MSc thesis -Immunogenicity of the FMP1 candidate malaria vaccine in children living in a malaria endemic region of western Kenya.

2003 External examiner for Kenyatta University MPHE thesis on the assessment of socioeconomic impact of HIV/AIDS on orphans in Nairobi by Owino Onyango

2002 Undergraduate final year medical students, Dept of Paediatrics and Child Health Addis Ababa University Ethiopia.

2000 - 02 External examiner at the Dept of Paediatrics and Child Health , Nairobi University for undergraduate MB ChB students.  
External examiner at the Dept of Paediatrics and Child Health , Nairobi University for Postgraduate M Med students.

2001 External examiner for Kenyatta University MPHE Thesis on instructions of Health workers on drug administration and compliance by Jacinta Macharia

External examiner for Kenyatta University MPHE Thesis on KAP survey on healthy reproductive habits and contraceptive use among University students in Nairobi by Wanga.

### **POSTGRADUATE THESIS INTERNAL EXAMINER**

Protein energy malnutrition among children 6-14 years and related risk factors: a case study of Eldoret Municipality MPH thesis by George Ndege Moi University school of Public Health

Adherence to treatment protocol and outcomes among children with acute lymphoblastic leukemia at MTRH

By Meshack Liru M Med Paediatrics thesis, Moi University school of Medicine

Biochemical and haematological profiles of children aged 6-60 months with Protein Energy Malnutrition admitted to the Paediatric wards at the MTRH, Eldoret Kenya – M Med thesis by Wilson.Bett

Factors contributing to the prevalence of malaria parasitaemia and anaemia in pregnant women attending antenatal clinic at Eldoret west municipal clinic in Uasin Gishu district, Kenya. Mutai Belinda M Phil thesis School of Science

Moi University MPH thesis on Management of malaria vectors through crop cover in Agro ecosystem of western Kenya highlands by Peter Wamae

Evaluation of cytokine responses to plasmodium falciparum peptides in Kenya adults living in a sporadic malaria transmission area by Lilly Kisia. MPH MU

Access and utilization of immunization services in Matete division, Lugari district by Chrispus Nyongesa MPH MU.

Moi University MPH thesis on effects of using insecticide treated clothes on malaria transmission in Dadaab refugee camps, North eastern province by Elizabeth W. Kimani

Moi University MPH thesis on TB patients ability and willingness to pay for TB management by Sitienei J. Kimagut

Moi University MPH thesis on Prevalence of PEM in children aged 0 – 60 months and their related risk factors, a case study of Gulu Municipality, Uganda – MPH -Getrude Ojera

Moi University MPH thesis on Knowledge, attitudes and practices on malaria among caretakers of children aged 5 years and below in Kakamega, Western Kenya – Dr. Ahindikha Quido Bernabas.

Moi University MPH thesis on study of the nutritional status of children admitted with severe malaria at the Paediatric ward Kakamega Provincial general hospital – Melsa M. Lutomia.

Moi University MPH thesis on community perceptions of infant feeding options for HIV infected mothers: a case study of Kosirai division, Nandi North district –Judy Wachira.

## **FUNDED RESEARCH PROJECTS**

### **Completed**

1. Network for pneumococcal infections surveillance in the East African Region (NETSPEAR) - 2003 - 2005. **Wellcome Trust funded**  
Position: Coordinator of the Moi Teaching and Referral Hospital site.
2. Community prevention of HIV/AIDS through the establishment of VCT centres and training of VCT counselors as part of the AMPATH project support by the **Gates foundation** - 2001 – 2004  
Position: Coordinator, COBES component
3. National Hepatitis B study through the Kenya Paediatric Association **sponsored by Aventis** – 2001 - 2002  
Position: Principal Investigator – the Moi Teaching and referral Hospital site
4. International study on Asthma and Allergies in Children (ISAAC) – 1994 – 2011 Funded by **Glaxo Smith Kline** and International agency for TB and Lung diseases. Principal Investigator – Eldoret ISAAC centre.
5. A multi-centre, randomised, double-blind study comparing the safety and efficacy of CDA (chlorproguanil HCl, dapsone and artesunate) versus Coartem (Artemether- lumefantrine) in the treatment of uncomplicated falciparum malaria in children & adolescents in Africa August 2006 – December 2007. **Sponsored by GSK**. Principal investigator – Eldoret site
6. The emergency Obstetric and Neonatal care study of the Global Network for women's and childrens Health 2008 – 2011  
Principal Investigator **NICHD Funding**
7. Simplified regimens for the management of neonatal sepsis in communities in Kenya: a randomized trial sponsored 2009 – 2013 by **Gates Foundation and WHO**  
Principal Investigator
8. Comparison of Zinc Absorption from 3 Different Food Based Strategies to Deliver Iron in Kenyan Toddlers. Principal Investigator 2009-2011. **IAEA sponsored**
9. Helping babies breathe program: Pilot implementation of the AAP neonatal resuscitation curriculum. Co-Principal Investigator 2009 -2011. **AAP and USAID sponsored**

10. EPI training program for DHMTs in Kenya in collaboration with Indiana University, USA and KEPI through the Merck Vaccine Network Africa initiative – 2003 – 2011 **Merck Foundation funded** Position: Course Director.
11. Antenatal Corticosteroids Trial in Preterm Births to Increase Neonatal Survival in Developing Countries (ACT) 2011-2013– **NICHD sponsored**
12. Evaluation of Helping Babies Breathe program in Kenya: Impact on Perinatal Mortality 2011 - 2013– **USAID/NORAD/NICHD sponsored**

### **ONGOING**

1. The maternal and neonatal Health registry study of the Global Network for Women's and childrens Health research 2008 - 2018  
Principal investigator **NICHD Funding**
2. **The AMANHI study** – Verbal autopsy and pregnancy surveillance, maternal and neonatal mortality study in the community. **WHO/BMGF 2012 - 2015**
3. Ultrasound use to improve pregnancy outcomes in low resource settings. **BMGF and General electric funded project 2013 -2016**
4. A System Approach to Improving Maternal and Child Health Care  
  
Delivery in Kenya: Innovations at Community Level and Primary Care  
  
Facilities funded by **NACOSTI/IDRC Canada; 2014 – 2019**
5. Aspirin Supplementation for Pregnancy Indicated Risk Reduction In Nulliparas (ASPIRIN) funded by **NICHD 2016- 2018**

### **DEVELOPMENT PROJECTS CO ORDINATED**

2001 -2006

The Riley Mother Baby Centre at the Moi Teaching and Referral Hospital through fundraising with friends from department of Paediatrics and other philanthropists in Indiana University School of Medicine.

2006 -2008

Construction of the Medical Education and conference centre of the School of Medicine.

### **CONSULTANT**

**WashBenefits project- a community based project funded by the Gates Foundation**

and being implemented by the Innovations for Poverty Action in Kenya on the impact of provision of sanitation (latrines), handwashing, chlorine filters with chlorine, deworming and nutrition on the health status and infant mortality when compared to a control group without an intervention – A collaboration between Harvard School of economics, Emory school of Economics, University California at Berkeley San Francisco School of Public, UC Davis, California and IDDCRC Bangladesh . 2009- 2014.

**REFEREES**

Prof. Bob Wishitemi  
Moi University

Dr. Wilson Aruasa  
CEO, MTRH

Prof. Wilson Odera  
Maseno University

Prof. Dominic Makawiti  
University of Nairobi