

## **ECAVI ADVANCED VACCINOLOGY COURSE (Advac) ON VACCINE FINANCING, SUPPLY CHAIN, AND LOGISTICS**

The East Africa Centre for Vaccines and Immunization (ECAVI) organizes the Annual Advanced vaccinology course on Vaccine Financing, Supply Chain and Logistics. This is a 7-day course designed for EPI managers currently involved in EPI program, public health experts, Masters and PhD students in Vaccinology.

[Download Application Form](#)

### **PARTNERING ORGANISATIONS**

- International Collaboration for Advanced Vaccinology Training (ICAVT)
- Makerere University, Kampala Uganda, Paediatrics Department
- Uganda Paediatric Association (UPA)
- East Africa Centre for Vaccines and Immunization (ECAVI)
- Uganda and Kenya EPI programs/Ministry of Health in Uganda, Kenya
- The South African Vaccination & Immunisation Centre (SAVIC)
- SPONSORS – GlaxoSmithKline (GSK) Vaccines Division, Pfizer Vaccines Division, Sanofi Pasteur Vaccines Division, MSD, ECAVI, WHO, GAVI, PATH

### **DATES/VENUE:**

March and October - Kampala, UGANDA

### **ABOUT THE COURSE**

#### **EDUCATIONAL DESIGN & SELECTION OF PARTICIPANTS**

The course targets a maximum of 40 Physical participants. A downloadable formal application form above once completed should be send to the course administrator. A selection committee comprising the coordinators and course administrator vet the applications and communicate to successful candidates.

### **COURSE CONTENT**

- Introduction to health systems in Immunization
- EPI AT 50: How Far Have we come, and how further can we aim?
- The Components of an effective EPI Program

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- Setting stage: Organization of the EPI Program in the Gambia  
Setting Stage: Organization of the EPI Program in Uganda
- Setting Stage: Organization of the EPI Program in Kenya
- Immunology & Pharmacology of Vaccines
- Basic Immunology of vaccines, Types, Biomarkers and correlates of protection
- Vaccine safety and Adverse Events Following Immunization (AEFI) Causality Assessment, Recognition, Management, and Reporting
- Surveillance and Pandemic preparedness: preparing for outbreaks and reemergence of vaccine-preventable diseases
- Vaccine trials and preparedness, licensure and incorporation
- EPI Leadership, Management and Service Delivery - Organization of the EPI Programme, Components of an effective EPI Program – Building partnerships for immunization; EPI at 50, IA2030, Big Catch-up and strategies to address the zero-dose problem
- Improving UNICEF-EPI collaboration for a stable EPI Program: Experience working with Uganda EPI Program
- Partners in immunization Program
- Malaria Vaccine: Types, WHO recommendations & Uganda Vaccine Roll out experiences
- Learner led activities – Learner led discussion on challenges facing Gambia EPI Program (Team work and Program challenges)
- Identifying and solving problem for Zero dose and under-immunized children
- Use of the media (including social media) to communicate and promote vaccination & EPI Program
- Health economics and financing for vaccines and GAVI graduation
- Vaccination as a strategy to combat antimicrobial resistance
- Improving WHO-EPI collaboration for a stable EPI Program: Experience working with Uganda EPI Program
- Increasing HPV Vaccine uptake – Vaccines & the vaccination Program
- Monitoring and data management for the EPI Program
- Vaccine related logistics (Immunization in the health systems context –integration; The cold chain management, Sources, handling storage and transportation of vaccines, Reporting, referrals/linkages, M&E aspects from patient, health facility to community/public health aspects of surveillance, how to set up an immunization clinic)

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- Vaccines Financing, Supply Chain and Logistics  
Improving UNICEF-EPI collaboration for a stable EPI Program: Experience working with Uganda EPI Program
- Vaccine Supply Chain, Transportation, Waste & Cold Chain Management
- Health economics and financing for vaccines and GAVI graduation
- Supportive supervision by EPI managers – Developing an effective tool for support supervision of an EPI program
- Digital Microplanning, geospatial technologies to improve EPI programs
- Careers in the Vaccine World: Building capacity for vaccine development and manufacturing in Africa – Existing capacity and opportunities for growth
- The media and other stake holders in the vaccination programme: Use of social media/ technology to promote vaccination & tackling infodemics)
- VPD Surveillance, outbreak response & pandemic preparedness
- The roles of GAVI, GVAP, EPI, NITAG, National Immunization days (NIDS) and Subnational immunization days (SNIDS) – Their Role in promoting vaccination/immunization.
- SAGE – Composition, Roles, Meetings, Communiqués and strategic plans for immunization in WHO
- LOGISTICS FOR SPECIFIC VACCINES - Polio, Cholera and yellow fever outbreaks in Africa and vaccine recommendations; Measles & Rubella Updates – Use of Measles as a Tracer and outbreak response; Dengue virus disease: Burden, epidemiology & vaccines; Dengue virus Surveillance
- Learner Group Assignments
- Field visits & Peer to Peer Learning – WHO, UNICEF, CDC, PATH, ETC
- Bench marking Field visits – National/Central and regional Vaccine stores

### **COURSE OBJECTIVES:**

Upon completion of the Course, participants should be able to:

- Understand the concept and principles of supply chain, vaccine financing, waste management, planning, forecasting and logistics
- Identify, manage and report adverse events following immunizations and its implications on vaccine logistics
- Identify ways to improve communication with patients, parents, and caregivers about vaccination

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- Identify best practices for implementing or improving immunization programs, collaborations, partnerships, peer to peer learning and sharing of information Understand how to link and partner with other stakeholders involved in vaccination and immunization logistics management

### **METHODS OF COURSE DELIVERY:**

- Interactive discussion sessions
- Case studies and scenarios
- Field visits and peer to peer learning
- Practical demonstration sessions

### **COURSE CONVENOR**

Dr. Ombeva Malande

### **COURSE ADMINISTRATOR**

Rachel Afaayo N

### **COURSE COORDINATORS**

1. Dr. Sabrina Bakeera-Kitaka – Makerere University Medical School
2. Prof. Edison Mworzi – Makerere University Medical School
3. Dr. Lawrence Owino Okong'o – University of Nairobi College of health sciences
4. Prof. Andrew Musyoki – The South African Vaccination & Immunisation Centre (SAVIC)/ Sefako Makgatho Health Sciences University
5. Dr. Ombeva Malande – Makerere/Egerton University/ East Africa Centre for Vaccines and Immunization (ECAVI)
6. Dr. Varsetile Nkwinika – The South African Vaccination & Immunisation Centre (SAVIC)/University of Nairobi Sefako Makgatho Health Sciences University
7. Dr. Leonidah Omayo – East Africa Centre for Vaccines and Immunization (ECAVI)
8. Dr. Deo Munube – Makerere University Medical School/ East Africa Centre for Vaccines and Immunization (ECAVI)

### **FACILITATORS/FACULTY MEMBERS**

1. Dr. Sabrina Bakeera-Kitaka – Makerere University Medical School
2. Prof. Edison Mworzi – Makerere University Medical School
3. Dr. Lawrence Owino Okong'o – University of Nairobi College of health sciences

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9. Dr. Deo Munube – Makerere University Medical School, Dept of Paediatrics
10. Dr. Bongomin Bodo – Gulu University/WHO Uganda
11. Dr. Florence Nantulya – Nakasero Hospital, Kampala
12. Dr. Adolphine Alban Hokororo – Catholic University of Health and Allied Sciences, Mwanza Tanzania.
14. Afaayo Rachel – East Africa Centre for Vaccines and Immunization
15. Carine Dochez – The Network for Education and Support in Immunisation (NESI)
16. Hannelie Meyer – The South African Vaccination & Immunisation Centre (SAVIC)/University of Nairobi Sefako Makgatho Health Sciences University
17. Rose Jalang'o – EPI Program, MOH, Nairobi Kenya
18. Dr. Immaculate Ampaire – UNEPI Program, MOH, Kampala, Uganda
19. Frehd Nghania – UNEPI Program, MOH, Kampala, Uganda
20. Jimmy Ameny – WHO/UNEPI Program, MOH, Kampala, Uganda
21. Dr. Sanjay Gandhi – GSK
22. Mutunga Nzoka – East Africa Centre For Vaccines and Immunization (ECAVI)
23. Dr. Clara Ogutu – GSK
24. Rose Jalang'o – EPI Manager, Kenya
25. Salim Parker Consultant, Travel Medicine and Infectious diseases
26. Stephen B Kennedy – Senegal, Ebola expert
27. Paul Yonga – Consultant, Travel Medicine and Infectious diseases
28. Idrissa Dieng - MSD
29. Jacqueline Anena – PATH Uganda
30. Melanie Marti – SAGE, WHO Geneva
31. Madzivhandila Mashudu
32. Lawrence Akunga – Sanofi Pasteur

33. Dr. Celia Nalwada – NITAG, Uganda
34. Dr. Annet Kisakye – WHO Uganda
35. Beatrice Mutonyi – UNEPI Program, MOH, Kampala, Uganda
36. Benjamin Watyaba – East Africa Centre For Vaccines and Immunization (ECAVI)
37. Dr. Vincent Kioi – International AIDS Vaccine Initiative (IAVI) – Kenya
38. Prof. Mupere Ezekiel – Makerere University Medical School, Dept of Paediatrics
39. Dr. Orikiiza Judith – Infectious Disease Institute, Makerere University
40. Other special faculty from Central country EPI program managers, Vaccine Manufacturing/marketing Stakeholders

## **CONTACTS**

### **Direct your enquiries to:**

Afaayo Rachel, Course Administrator

**Email:** [ecavi11ea@gmail.com](mailto:ecavi11ea@gmail.com), [admin@e-cavi.com](mailto:admin@e-cavi.com)

**Telephone:** +256 775324799, +254 722475181, +256774068762