

# IFAKARA HEALTH INSTITUTE TANZANIA

**IFAKARA HEALTH INSTITUTE TANZANIA** IS A PREMIER RESEARCH ORGANIZATION DEDICATED TO IMPROVING PUBLIC HEALTH IN TANZANIA AND BEYOND. RENOWNED FOR ITS IMPACTFUL STUDIES ON INFECTIOUS DISEASES, ESPECIALLY MALARIA, THIS INSTITUTE PLAYS A VITAL ROLE IN HEALTH RESEARCH, POLICY DEVELOPMENT, AND CAPACITY BUILDING. ESTABLISHED WITH A MISSION TO CONDUCT SCIENTIFIC RESEARCH, PROVIDE TRAINING, AND IMPLEMENT HEALTH INTERVENTIONS, THE IFAKARA HEALTH INSTITUTE TANZANIA (IHI) COLLABORATES EXTENSIVELY WITH INTERNATIONAL PARTNERS TO TACKLE MAJOR HEALTH CHALLENGES. THIS ARTICLE EXPLORES THE HISTORY, RESEARCH FOCUS, KEY PROJECTS, AND COMMUNITY IMPACT OF THE IFAKARA HEALTH INSTITUTE TANZANIA. THE DETAILED INSIGHTS WILL PROVIDE A COMPREHENSIVE UNDERSTANDING OF ITS CONTRIBUTIONS TO HEALTH SCIENCE AND DISEASE CONTROL IN EAST AFRICA.

- HISTORY AND BACKGROUND OF IFAKARA HEALTH INSTITUTE TANZANIA
- RESEARCH FOCUS AND KEY AREAS
- MAJOR PROJECTS AND COLLABORATIONS
- COMMUNITY ENGAGEMENT AND CAPACITY BUILDING
- IMPACT ON PUBLIC HEALTH AND DISEASE CONTROL

## HISTORY AND BACKGROUND OF IFAKARA HEALTH INSTITUTE TANZANIA

THE IFAKARA HEALTH INSTITUTE TANZANIA WAS FOUNDED IN THE EARLY 1950S AS A SMALL RESEARCH STATION FOCUSED ON MALARIA CONTROL. OVER THE DECADES, IT HAS EVOLVED INTO ONE OF THE LEADING HEALTH RESEARCH INSTITUTIONS IN AFRICA. ITS ESTABLISHMENT WAS DRIVEN BY THE URGENT NEED FOR LOCALLY DRIVEN HEALTH SOLUTIONS TO COMBAT ENDEMIC DISEASES. THE INSTITUTE IS HEADQUARTERED IN IFAKARA TOWN, LOCATED IN THE MOROGORO REGION, WHICH SERVES AS A STRATEGIC BASE FOR FIELD RESEARCH IN RURAL TANZANIA. THROUGH CONTINUOUS GROWTH, THE INSTITUTE HAS EXPANDED ITS MANDATE TO COVER A WIDE RANGE OF PUBLIC HEALTH ISSUES BEYOND MALARIA, INCLUDING HIV/AIDS, TUBERCULOSIS, MATERNAL AND CHILD HEALTH, AND NON-COMMUNICABLE DISEASES.

## FOUNDING AND EARLY DEVELOPMENT

INITIALLY NAMED THE IFAKARA MALARIA RESEARCH STATION, THE INSTITUTE WAS ESTABLISHED WITH SUPPORT FROM INTERNATIONAL DONORS AND THE TANZANIAN GOVERNMENT. EARLY RESEARCH FOCUSED ON VECTOR BIOLOGY AND MALARIA EPIDEMIOLOGY, WHICH LAID THE GROUNDWORK FOR FUTURE INNOVATIONS IN DISEASE CONTROL. THE PROGRESS IN RESEARCH CAPABILITIES ATTRACTED GLOBAL ATTENTION AND PARTNERSHIPS, FACILITATING EXPANSION AND DIVERSIFICATION OF RESEARCH PROGRAMS.

## INSTITUTIONAL GROWTH AND RECOGNITION

BY THE 1990S, IFAKARA HEALTH INSTITUTE TANZANIA HAD BECOME AN AUTONOMOUS ENTITY WITH A BROADER RESEARCH AGENDA. IT GAINED RECOGNITION FOR ITS CONTRIBUTIONS TO MALARIA CONTROL STRATEGIES AND PUBLIC HEALTH INTERVENTIONS. THE INSTITUTE'S COMMITMENT TO HIGH-QUALITY RESEARCH EARNED IT COLLABORATIONS WITH PROMINENT GLOBAL HEALTH ORGANIZATIONS AND UNIVERSITIES.

# RESEARCH FOCUS AND KEY AREAS

IFAKARA HEALTH INSTITUTE TANZANIA SPECIALIZES IN MULTIDISCIPLINARY HEALTH RESEARCH AIMED AT IMPROVING HEALTH OUTCOMES IN TANZANIA AND THE WIDER REGION. THE INSTITUTION'S CORE RESEARCH AREAS INCLUDE INFECTIOUS DISEASES, HEALTH SYSTEMS RESEARCH, AND THE DEVELOPMENT OF INNOVATIVE INTERVENTIONS. ITS WORK COMBINES LABORATORY SCIENCE, EPIDEMIOLOGY, SOCIAL SCIENCE, AND IMPLEMENTATION RESEARCH TO ADDRESS COMPLEX HEALTH CHALLENGES.

## MALARIA RESEARCH

MALARIA REMAINS A TOP PRIORITY FOR THE IFAKARA HEALTH INSTITUTE TANZANIA. THE INSTITUTE CONDUCTS COMPREHENSIVE STUDIES ON MALARIA TRANSMISSION DYNAMICS, VECTOR ECOLOGY, AND DRUG RESISTANCE. IT ALSO EVALUATES NEW TOOLS SUCH AS INSECTICIDE-TREATED NETS AND INDOOR RESIDUAL SPRAYING TO OPTIMIZE MALARIA CONTROL EFFORTS. RESEARCH OUTPUTS FROM THE INSTITUTE HAVE DIRECTLY INFLUENCED NATIONAL MALARIA CONTROL POLICIES.

## HIV/AIDS AND TUBERCULOSIS

IN ADDITION TO MALARIA, THE INSTITUTE ADDRESSES THE DUAL EPIDEMICS OF HIV/AIDS AND TUBERCULOSIS, WHICH POSE SIGNIFICANT PUBLIC HEALTH THREATS. RESEARCH PROJECTS FOCUS ON PREVENTION STRATEGIES, TREATMENT ADHERENCE, AND CO-INFECTION MANAGEMENT. THE INSTITUTE COLLABORATES WITH HEALTHCARE PROVIDERS TO DEVELOP EVIDENCE-BASED INTERVENTIONS AIMED AT REDUCING DISEASE BURDEN.

## MATERNAL AND CHILD HEALTH

RECOGNIZING THE IMPORTANCE OF MATERNAL AND CHILD HEALTH, IFAKARA HEALTH INSTITUTE TANZANIA CONDUCTS RESEARCH ON PREGNANCY OUTCOMES, NEONATAL CARE, AND CHILD NUTRITION. THESE STUDIES INFORM PROGRAMS DESIGNED TO REDUCE MATERNAL AND INFANT MORTALITY RATES IN TANZANIA'S UNDERSERVED COMMUNITIES.

## MAJOR PROJECTS AND COLLABORATIONS

THE SUCCESS OF IFAKARA HEALTH INSTITUTE TANZANIA IS PARTLY DUE TO ITS INVOLVEMENT IN NUMEROUS LARGE-SCALE PROJECTS AND COLLABORATIONS WITH INTERNATIONAL AND LOCAL PARTNERS. THESE PARTNERSHIPS ENHANCE RESEARCH QUALITY, FUNDING OPPORTUNITIES, AND KNOWLEDGE EXCHANGE.

## GLOBAL HEALTH PARTNERSHIPS

THE INSTITUTE COLLABORATES WITH ORGANIZATIONS SUCH AS THE WORLD HEALTH ORGANIZATION, THE BILL & MELINDA GATES FOUNDATION, AND VARIOUS UNIVERSITIES WORLDWIDE. THESE PARTNERSHIPS FOCUS ON DEVELOPING NEW HEALTH TECHNOLOGIES, CONDUCTING CLINICAL TRIALS, AND SUPPORTING HEALTH POLICY DEVELOPMENT.

## KEY RESEARCH INITIATIVES

SIGNIFICANT PROJECTS AT THE INSTITUTE INCLUDE:

- MALARIA TRANSMISSION AND VECTOR CONTROL STUDIES
- HIV PREVENTION AND TREATMENT PROGRAMS
- MATERNAL AND NEONATAL HEALTH INTERVENTIONS

- HEALTH SYSTEMS STRENGTHENING RESEARCH
- NON-COMMUNICABLE DISEASE SURVEILLANCE

THESE INITIATIVES HAVE RESULTED IN NUMEROUS PEER-REVIEWED PUBLICATIONS AND HAVE SHAPED REGIONAL HEALTH STRATEGIES.

## COMMUNITY ENGAGEMENT AND CAPACITY BUILDING

IFAKARA HEALTH INSTITUTE TANZANIA PLACES GREAT EMPHASIS ON COMMUNITY INVOLVEMENT AND CAPACITY BUILDING. THE INSTITUTE BELIEVES THAT SUSTAINABLE HEALTH IMPROVEMENTS REQUIRE ACTIVE PARTICIPATION FROM LOCAL POPULATIONS AND THE DEVELOPMENT OF LOCAL EXPERTISE.

## COMMUNITY-BASED RESEARCH

MANY OF THE INSTITUTE'S STUDIES ARE CONDUCTED IN COLLABORATION WITH LOCAL COMMUNITIES, ENSURING THAT RESEARCH ACTIVITIES ARE CULTURALLY APPROPRIATE AND ETHICALLY CONDUCTED. COMMUNITY HEALTH WORKERS ARE OFTEN TRAINED TO ASSIST IN DATA COLLECTION AND HEALTH EDUCATION EFFORTS, FOSTERING TRUST AND COOPERATION.

## TRAINING AND EDUCATION PROGRAMS

THE INSTITUTE OFFERS TRAINING PROGRAMS FOR TANZANIAN SCIENTISTS, HEALTHCARE WORKERS, AND STUDENTS. THESE PROGRAMS INCLUDE WORKSHOPS, INTERNSHIPS, AND ADVANCED DEGREE OPPORTUNITIES FOCUSED ON PUBLIC HEALTH AND BIOMEDICAL RESEARCH. CAPACITY BUILDING INITIATIVES HELP TO STRENGTHEN THE NATIONAL HEALTH RESEARCH INFRASTRUCTURE AND EMPOWER FUTURE GENERATIONS OF HEALTH PROFESSIONALS.

## IMPACT ON PUBLIC HEALTH AND DISEASE CONTROL

THE CONTRIBUTIONS OF IFAKARA HEALTH INSTITUTE TANZANIA HAVE HAD A PROFOUND IMPACT ON PUBLIC HEALTH POLICY AND DISEASE CONTROL EFFORTS IN TANZANIA AND THE EAST AFRICAN REGION. ITS RESEARCH FINDINGS HAVE INFORMED NATIONAL GUIDELINES AND INTERNATIONAL RECOMMENDATIONS.

## INFLUENCE ON MALARIA CONTROL POLICIES

RESEARCH CONDUCTED AT THE INSTITUTE HAS BEEN INSTRUMENTAL IN SHAPING TANZANIA'S MALARIA CONTROL STRATEGIES, INCLUDING THE WIDESPREAD ADOPTION OF INSECTICIDE-TREATED NETS AND IMPROVED CASE MANAGEMENT PROTOCOLS. THESE INTERVENTIONS HAVE CONTRIBUTED TO SIGNIFICANT REDUCTIONS IN MALARIA MORBIDITY AND MORTALITY.

## ADVANCEMENTS IN HEALTH SYSTEMS

BEYOND DISEASE-SPECIFIC RESEARCH, THE INSTITUTE'S WORK IN HEALTH SYSTEMS RESEARCH HAS HELPED IMPROVE HEALTHCARE DELIVERY AND RESOURCE ALLOCATION. STUDIES ON HEALTH FINANCING, SERVICE QUALITY, AND HEALTH WORKER PERFORMANCE PROVIDE EVIDENCE TO GUIDE POLICY REFORMS.

## RECOGNITION AND AWARDS

IFAKARA HEALTH INSTITUTE TANZANIA HAS RECEIVED NUMEROUS ACCOLADES FOR ITS SCIENTIFIC EXCELLENCE AND

CONTRIBUTION TO HEALTH IMPROVEMENT. ITS REPUTATION CONTINUES TO GROW AS IT REMAINS AT THE FOREFRONT OF HEALTH RESEARCH AND INNOVATION IN AFRICA.

## FREQUENTLY ASKED QUESTIONS

### WHAT IS IFAKARA HEALTH INSTITUTE IN TANZANIA?

IFAKARA HEALTH INSTITUTE (IHI) IS A LEADING HEALTH RESEARCH ORGANIZATION IN TANZANIA FOCUSED ON IMPROVING PUBLIC HEALTH THROUGH RESEARCH IN INFECTIOUS DISEASES, HEALTH SYSTEMS, AND POLICY DEVELOPMENT.

### WHERE IS IFAKARA HEALTH INSTITUTE LOCATED IN TANZANIA?

IFAKARA HEALTH INSTITUTE IS LOCATED IN IFAKARA TOWN, KILOMBERO DISTRICT, MOROGORO REGION, TANZANIA.

### WHAT ARE THE MAIN RESEARCH AREAS OF IFAKARA HEALTH INSTITUTE?

THE MAIN RESEARCH AREAS OF IFAKARA HEALTH INSTITUTE INCLUDE MALARIA, HIV/AIDS, TUBERCULOSIS, NEGLECTED TROPICAL DISEASES, AND HEALTH SYSTEMS STRENGTHENING.

### HOW DOES IFAKARA HEALTH INSTITUTE CONTRIBUTE TO MALARIA CONTROL IN TANZANIA?

IFAKARA HEALTH INSTITUTE CONDUCTS EXTENSIVE RESEARCH ON MALARIA TRANSMISSION, PREVENTION, AND TREATMENT, INCLUDING THE DEVELOPMENT OF NEW TOOLS SUCH AS INSECTICIDE-TREATED NETS AND INNOVATIVE VECTOR CONTROL STRATEGIES.

### DOES IFAKARA HEALTH INSTITUTE COLLABORATE WITH INTERNATIONAL ORGANIZATIONS?

YES, IFAKARA HEALTH INSTITUTE COLLABORATES WITH VARIOUS INTERNATIONAL RESEARCH INSTITUTIONS, UNIVERSITIES, AND ORGANIZATIONS SUCH AS WHO, CDC, AND THE BILL & MELINDA GATES FOUNDATION TO ADVANCE HEALTH RESEARCH AND INTERVENTIONS.

## ADDITIONAL RESOURCES

#### 1. *INNOVATIONS IN MALARIA RESEARCH: INSIGHTS FROM IFAKARA HEALTH INSTITUTE*

THIS BOOK EXPLORES THE GROUNDBREAKING MALARIA RESEARCH CONDUCTED AT THE IFAKARA HEALTH INSTITUTE IN TANZANIA. IT HIGHLIGHTS INNOVATIVE STRATEGIES IN VECTOR CONTROL, VACCINE DEVELOPMENT, AND COMMUNITY HEALTH INTERVENTIONS. READERS GAIN AN UNDERSTANDING OF HOW LOCAL AND INTERNATIONAL COLLABORATIONS HAVE SHAPED MALARIA CONTROL IN SUB-SAHARAN AFRICA.

#### 2. *PUBLIC HEALTH ADVANCES IN TANZANIA: THE ROLE OF IFAKARA HEALTH INSTITUTE*

FOCUSING ON THE BROADER PUBLIC HEALTH INITIATIVES, THIS TEXT DETAILS THE CONTRIBUTIONS OF IFAKARA HEALTH INSTITUTE TO DISEASE SURVEILLANCE, HEALTH EDUCATION, AND HEALTHCARE DELIVERY IN TANZANIA. IT COVERS SUCCESSES IN COMBATING INFECTIOUS DISEASES SUCH AS HIV/AIDS, TUBERCULOSIS, AND NEGLECTED TROPICAL DISEASES. THE BOOK ALSO DISCUSSES CHALLENGES AND FUTURE DIRECTIONS FOR HEALTH SYSTEMS STRENGTHENING.

#### 3. *VECTOR BIOLOGY AND CONTROL: STUDIES FROM IFAKARA HEALTH INSTITUTE*

DEDICATED TO THE STUDY OF VECTORS RESPONSIBLE FOR DISEASE TRANSMISSION, THIS BOOK PRESENTS RESEARCH ON MOSQUITO BEHAVIOR, ECOLOGY, AND INSECTICIDE RESISTANCE. DRAWING FROM IFAKARA'S EXTENSIVE FIELD STUDIES, IT PROVIDES INSIGHTS INTO EFFECTIVE VECTOR CONTROL METHODS AND THE DEVELOPMENT OF NOVEL TOOLS TO REDUCE DISEASE BURDEN.

#### 4. *COMMUNITY HEALTH AND EPIDEMIOLOGY AT IfAKARA HEALTH INSTITUTE*

THIS VOLUME EXAMINES EPIDEMIOLOGICAL STUDIES AND COMMUNITY HEALTH PROGRAMS LED BY IfAKARA HEALTH INSTITUTE. IT EMPHASIZES PARTICIPATORY APPROACHES THAT ENGAGE LOCAL POPULATIONS IN HEALTH PROMOTION AND DISEASE PREVENTION. CASE STUDIES DEMONSTRATE HOW EPIDEMIOLOGICAL DATA INFORMS POLICY AND PRACTICE IN TANZANIA.

#### 5. *THE HISTORY AND IMPACT OF IfAKARA HEALTH INSTITUTE IN EAST AFRICA*

OFFERING A COMPREHENSIVE OVERVIEW, THIS BOOK TRACES THE ESTABLISHMENT AND EVOLUTION OF THE IfAKARA HEALTH INSTITUTE. IT HIGHLIGHTS KEY MILESTONES AND THE INSTITUTE'S INFLUENCE ON HEALTH RESEARCH, POLICY, AND TRAINING ACROSS EAST AFRICA. PERSONAL NARRATIVES FROM RESEARCHERS AND COMMUNITY MEMBERS ENRICH THE HISTORICAL PERSPECTIVE.

#### 6. *INNOVATIONS IN TROPICAL DISEASE DIAGNOSTICS: IfAKARA HEALTH INSTITUTE PERSPECTIVES*

THIS BOOK FOCUSES ON THE DEVELOPMENT AND IMPLEMENTATION OF DIAGNOSTIC TOOLS FOR TROPICAL DISEASES AT IfAKARA HEALTH INSTITUTE. IT DETAILS ADVANCES IN RAPID TESTING, MOLECULAR DIAGNOSTICS, AND POINT-OF-CARE TECHNOLOGIES. THE TEXT UNDERSCORES THE IMPORTANCE OF ACCURATE DIAGNOSIS IN IMPROVING TREATMENT OUTCOMES IN RESOURCE-LIMITED SETTINGS.

#### 7. *ENVIRONMENTAL HEALTH AND DISEASE PREVENTION: RESEARCH FROM IfAKARA HEALTH INSTITUTE*

EXPLORING THE LINK BETWEEN ENVIRONMENT AND HEALTH, THIS BOOK DISCUSSES RESEARCH ON WATER QUALITY, SANITATION, AND VECTOR HABITATS CONDUCTED AT IfAKARA HEALTH INSTITUTE. IT UNDERSCORES THE INSTITUTE'S ROLE IN DESIGNING INTERVENTIONS THAT REDUCE ENVIRONMENTAL RISKS AND PROMOTE SUSTAINABLE HEALTH PRACTICES IN TANZANIAN COMMUNITIES.

#### 8. *TRAINING AND CAPACITY BUILDING AT IfAKARA HEALTH INSTITUTE: A MODEL FOR AFRICA*

THIS PUBLICATION HIGHLIGHTS THE EDUCATIONAL PROGRAMS AND CAPACITY-BUILDING INITIATIVES THAT HAVE MADE IfAKARA HEALTH INSTITUTE A LEADING CENTER FOR HEALTH RESEARCH TRAINING. IT DETAILS PARTNERSHIPS WITH UNIVERSITIES, MENTORSHIP APPROACHES, AND SUCCESS STORIES OF ALUMNI CONTRIBUTING TO HEALTH IMPROVEMENTS REGIONALLY AND INTERNATIONALLY.

#### 9. *HEALTH POLICY AND SYSTEMS RESEARCH: CONTRIBUTIONS FROM IfAKARA HEALTH INSTITUTE*

FOCUSING ON HEALTH POLICY ANALYSIS AND SYSTEM STRENGTHENING, THIS BOOK PRESENTS RESEARCH FINDINGS THAT INFORM DECISION-MAKING IN TANZANIA AND BEYOND. IT EXPLORES TOPICS SUCH AS HEALTH FINANCING, SERVICE DELIVERY, AND EQUITY IN ACCESS TO CARE. THE WORK OF IfAKARA HEALTH INSTITUTE IN BRIDGING RESEARCH AND POLICY IS A CENTRAL THEME.

## **[Ifakara Health Institute Tanzania](#)**

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**ifakara health institute tanzania:** *Combating Micronutrient Deficiencies* Brian Thompson, Leslie Amoroso, 2011 Printbegrænsninger: Der kan printes 10 sider ad gangen og max. 40 sider pr. session

**ifakara health institute tanzania:** *Ifakara Health Institute, Ifakara, Tanzania* , 2009

**ifakara health institute tanzania:** *Making Health Financing Work for Poor People in Tanzania* Dominic Haazen, 2012-03-29 Tanzania is currently developing a Health Financing Strategy to provide a medium to long-term road map for a sustainable and integrated health financing system. This book is designed to inform this discussion by providing an analytical basis for the assessment of options, a series of policy options which could be considered

**ifakara health institute tanzania:** *Emerging Infectious Diseases* , 2017

**ifakara health institute tanzania:** *Translating Growth into Poverty Reduction* Flora Kessy, Oswald Mashindano, 2013-03-29 Tanzania is a politically stable, much aided country that has consistently grown economically during the first decade of the millennium, while also improving its human development indicators. However, poverty has remained persistent, particularly within rural areas. This collaborative work delves into the reasons why this is so and what can be done to improve the record. The book is the product of both Tanzanian and international poverty experts, based on largely qualitative research undertaken within Tanzania by the Chronic Poverty Research Centre (CPRC). The authors highlight and discuss the importance of macro- and micro-level causes of the persistence of poverty. The latter, on which the book is focused, centre around a negative dynamic affecting a large number of poor households in which widespread failure to provide household food security undermines gender relationships and reduces the possibility of saving and asset accumulation which is necessary for escaping poverty. This results in very low upward mobility. Vulnerability is widespread and resilience against shocks minimal, even for those who are not absolutely poor. Through an in-depth and broad analysis of poverty in Tanzania, the book provides alternative conclusions to those often repeated in the poverty discourse in international and local arenas. The conclusions were reached with the specific aim of informing political and policy debates within Tanzania.

**ifakara health institute tanzania: Progress in Industrial Mathematics at ECMI 2016** Peregrina Quintela, Patricia Barral, Dolores Gómez, Francisco J. Pena, Jerónimo Rodríguez, Pilar Salgado, Miguel E. Vázquez-Méndez, 2018-03-26 This book addresses mathematics in a wide variety of applications, ranging from problems in electronics, energy and the environment, to mechanics and mechatronics. Using the classification system defined in the EU Framework Programme for Research and Innovation H2020, several of the topics covered belong to the challenge climate action, environment, resource efficiency and raw materials; and some to health, demographic change and wellbeing; while others belong to Europe in a changing world - inclusive, innovative and reflective societies. The 19th European Conference on Mathematics for Industry, ECMI2016, was held in Santiago de Compostela, Spain in June 2016. The proceedings of this conference include the plenary lectures, ECMI awards and special lectures, mini-symposia (including the description of each mini-symposium) and contributed talks. The ECMI conferences are organized by the European Consortium for Mathematics in Industry with the aim of promoting interaction between academy and industry, leading to innovation in both fields and providing unique opportunities to discuss the latest ideas, problems and methodologies, and contributing to the advancement of science and technology. They also encourage industrial sectors to propose challenging problems where mathematicians can provide insights and fresh perspectives. Lastly, the ECMI conferences are one of the main forums in which significant advances in industrial mathematics are presented, bringing together prominent figures from business, science and academia to promote the use of innovative mathematics in industry.

**ifakara health institute tanzania:** *Practical Control of Mosquito Disease Vectors* Jacques Derek Charlwood, 2024-12-23 Disease vector control is rapidly changing, both because of the emergence of resistance to conventional methods and the development of new and potentially game-changing techniques. This book reviews several current and future measures for controlling mosquito vectors of disease, with an emphasis on malaria vectors. Beginning with an introduction to the topic of mosquito ecology and sampling methods, the book then covers several vector-borne disease control methods. The emphasis in many of these methods is for the sufferers of the diseases to take charge of their monitoring and control. This book is a thought-provoking concise and practical resource for anyone interested in primary healthcare and tackling or studying mosquito disease vectors.

**ifakara health institute tanzania:** Evidence, Ethos and Experiment P. Wenzel Geissler, Catherine Molyneux, 2017-05 Medical research has been central to biomedicine in Africa for over a century, and Africa, along with other tropical areas, has been crucial to the development of medical science. At present, study populations in Africa participate in an increasing number of medical

research projects and clinical trials, run by both public institutions and private companies. Global debates about the politics and ethics of this research are growing and local concerns are prompting calls for social studies of the “trial communities” produced by this scientific work. Drawing on rich, ethnographic and historiographic material, this volume represents the emergent field of anthropological inquiry that links Africanist ethnography to recent concerns with science, the state, and the culture of late capitalism in Africa.

**ifakara health institute tanzania: Social and Technological Innovation in Africa** Solomon Nwaka, 2021-07-16 This book examines the landscape of sustained investment in research and innovation in Africa, which are critical for development. This cutting-edge analysis is based on empirical evidence and the author’s experience in managing health and related innovations on the continent and globally. It concludes, for the first time, that African innovation is largely driven by the principles of Social, rather than Technological innovation. The significance of this finding and the need to optimize, scale and sustain this dominant innovation is addressed in various chapters that analyze the status, challenges and opportunities. Particularly, the financing, collaboration and coordination patterns for these activities on the continent show a fragmented ecosystem that is largely dependent on external donors and aid. The importance of supportive policies, leadership and venture mechanisms that incentivizes public and private entities to innovate is further exemplified by the lessons of the COVID-19 pandemic. The book proposes mechanism to address identified challenges.

**ifakara health institute tanzania: Developments in Animal Health Surveillance** Marta Martinez Aviles, Lesley Stringer, Marta Hernandez-Jover, Bernard J. Phiri, 2021-03-03

**ifakara health institute tanzania: Primary Health Care in Tanzania through a Health Systems Lens** Ntuli A. Kapologwe, James Tumaini Kengia, Eric van Praag, Japhet Killewo, Albino Kalolo, 2023-09-08 Robust health care systems are paramount for the health, security, and prosperity of people and countries as a whole. This book provides for the first time a chronicle of the struggle for, and eventual success of, universal health coverage (UHC) in Tanzania. Beginning with an introduction to primary health care in the country, from its historical foundations to the major milestones of implementation, this book then considers stewardship of this important aspect of health systems over time. Concluding with a look to the future, forecasting the changes and new solutions needed to adapt to a changing world, this book is a valuable reference for policy makers, global health practitioners, health system managers, researchers, students, and all those with an interest in primary health care and reforms - both in Tanzania and beyond.

**ifakara health institute tanzania: Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations for 2012** United States. Congress. House. Committee on Appropriations. Subcommittee on Agriculture, Rural Development, Food and Drug Administration, and Related Agencies, 2011

**ifakara health institute tanzania: Disruptive Technologies, Innovation and Development in Africa** Peter Arthur, Kobena T. Hanson, Korbla P. Puplampu, 2020-05-29 This book examines how disruptive technologies and innovation underpin the attainment of a broader development agenda in Africa. Contributors show how distinctive forms of technological innovation can impact critical development processes. For example, disruptive technologies can deepen the ongoing democratic and governance waves in Africa, specifically in the area of contested elections. Similarly, innovations in agriculture, the environment and energy promote changes in value chain agriculture, and the use of sensors to manage e-waste and sustainable energy conservation are also transforming established practices. Furthermore, the role of disruptive technologies and innovation in education, health, financial services and the nature of paid work cannot be ignored. Individually and collectively, the authors discuss and highlight the mechanisms and initiatives that can contribute to the realization of the development goals of African countries, especially in a period where disruptive technologies are rapidly changing how things are done. As a result, this book, which represents one of the most recent systematic efforts to bring together dialogue on disruptive technologies in Africa, will be of particular use and benefit to a wide and an eclectic audience.

**ifakara health institute tanzania: The Politics of the Sustainable Development Goals**

Magdalena Bexell, Kristina Jönsson, 2021-06-09 This book draws attention to political aspects of sustainable development goal-setting, exploring the Sustainable Development Goals (SDGs) at the global-national nexus during their first five years. After broad global deliberation and political negotiations, the 2030 Agenda and its SDGs were adopted in the United Nations (UN) General Assembly in 2015, and by now many countries have political structures in place for working towards their realisation. This book explores three concepts to call attention to the political qualities of processes related to the SDGs: legitimacy, responsibility, and accountability. Legitimacy is required to obtain broad political ownership for policy goals in order for them to become effective in addressing cross-border sustainability challenges. Responsibility needs to be clearly distributed among political institutions if a long-term set of broad goals such as the SDGs are to be realised. Accountability to the public is the retrospective mirror of political responsibility. The Politics of the Sustainable Development Goals contributes new knowledge on political processes at the nexus of global and national levels, focussing on three countries at different levels of socio-economic development and democratisation: namely Ghana, Tanzania, and Sweden. These countries illustrate a variety of challenges related to the realisation of the SDGs. This book will be of great interest to students and scholars of sustainable development, international organisations, and global politics.

**ifakara health institute tanzania: Malaria Control and Elimination Program in the People's Republic of China**, 2014-12-01 First published in 1963, *Advances in Parasitology* contains comprehensive and up-to-date reviews in all areas of interest in contemporary parasitology. *Advances in Parasitology* includes medical studies of parasites of major influence, such as *Plasmodium falciparum* and trypanosomes. The series also contains reviews of more traditional areas, such as zoology, taxonomy, and life history, which shape current thinking and applications. The 2012 impact factor is 3.778. - Informs and updates on all the latest developments in the field - Contributions from leading authorities and industry experts

**ifakara health institute tanzania: Advances in Arthropod Repellents** Joel Coats, Caleb Corona, Mustapha Debboun, 2021-10-12 *Advances in Arthropod Repellents* offers the most current knowledge on arthropod repellents. This area of study is quickly evolving as mosquito- and tick-borne diseases become more prevalent worldwide. Written by global arthropod repellent experts, this book begins by delving into molecule discovery and assay development that is followed by the latest research and investigations of repellent developments and effects. The book then offers readers a look into the global field, semi-field, and laboratory trials using various insect repellents, ranging from Africa, Australia, Europe, South America and the United States. Lastly, it examines the future of spatial repellents and expert insight. This book is a valuable resource for entomologists and vector control researchers and practitioners. Public health officials and developers in private pest control companies, as well as readers in academia will find this a useful resource to learn the latest information available on controlling the spread of arthropod-borne diseases with repellents. - Discusses recent progress on understanding how insect repellents work, as well as modern methods for finding new molecules and formulations - Edited by a team whose expertise includes cutting-edge insect repellent research and development - Serves as a reference and resource that will be useful to a wide variety of professionals, particularly those in public health and vector control

**ifakara health institute tanzania: The Delusion of Knowledge Transfer** Susanne Koch, Peter Weingart, 2016-12-13 With the rise of the knowledge for development paradigm, expert advice has become a prime instrument of foreign aid. At the same time, it has been object of repeated criticism: the chronic failure of technical assistance a notion under which advice is commonly subsumed has been documented in a host of studies. Nonetheless, international organisations continue to send advisors, promising to increase the effectiveness of expert support if their technocratic recommendations are taken up. This book reveals fundamental problems of expert advice in the context of aid that concern issues of power and legitimacy rather than merely flaws of implementation. Based on empirical evidence from South Africa and Tanzania, the authors show that aid-related advisory processes are inevitably obstructed by colliding interests, political pressures

and hierarchical relations that impede knowledge transfer and mutual learning. As a result, recipient governments find themselves caught in a perpetual cycle of dependency, continuously advised by experts who convey the shifting paradigms and agendas of their respective donor governments. For young democracies, the persistent presence of external actors is hazardous: ultimately, it poses a threat to the legitimacy of their governments if their policy-making becomes more responsive to foreign demands than to the preferences and needs of their citizens.

**ifakara health institute tanzania: The Delusion of Knowledge Transfer** Susanne Koch, Peter Weingart, 2016-12-13 With the rise of the knowledge for development paradigm, expert advice has become a prime instrument of foreign aid. At the same time, it has been object of repeated criticism: the chronic failure of technical assistance a notion under which advice is commonly subsumed has been documented in a host of studies. Nonetheless, international organisations continue to send advisors, promising to increase the effectiveness of expert support if their technocratic recommendations are taken up. This book reveals fundamental problems of expert advice in the context of aid that concern issues of power and legitimacy rather than merely flaws of implementation. Based on empirical evidence from South Africa and Tanzania, the authors show that aid-related advisory processes are inevitably obstructed by colliding interests, political pressures and hierarchical relations that impede knowledge transfer and mutual learning. As a result, recipient governments find themselves caught in a perpetual cycle of dependency, continuously advised by experts who convey the shifting paradigms and agendas of their respective donor governments. For young democracies, the persistent presence of external actors is hazardous: ultimately, it poses a threat to the legitimacy of their governments if their policy-making becomes more responsive to foreign demands than to the preferences and needs of their citizens.

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