

MECOR

***PATS MECOR  
2010***



Kenya Medical Research Institute  
Liverpool School of Tropical Medicine  
Supported by the Nuffield Foundation

27 September - 1 October 2010  
Nairobi, Kenya

# PATS MECOR—

## Measuring the Burden of Lung Disease in Africa



Mt Kenya

# Brackenhurst International Conference Center



**Brackenhurst**

# PATS MECOR— Our Leaders



## Our Host

Evans Amukoye, MBChB

Director, Center for Respiratory Diseases  
Research

Kenya Medical Research Institute

# PATS MECOR— Our Leaders



**A. Sonia Buist, MD**

**Oregon Health Sciences University  
Director, ATS MECOR Program**



**Stephen Gordon, MD**

**Liverpool School of Tropical  
Medicine  
Director, PATS MECOR**

# PATS MECOR— Introductions



# PATS MECOR—Our Students Level 1

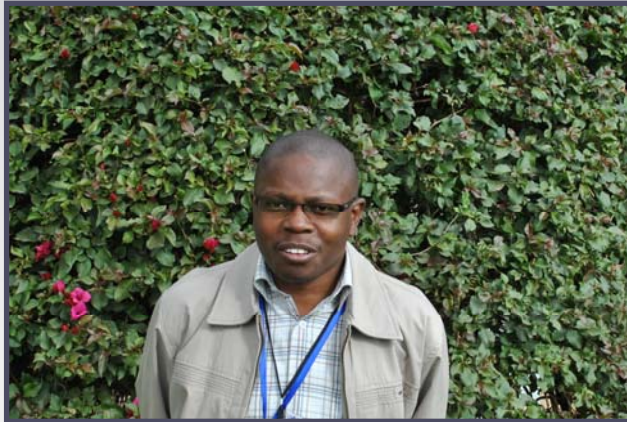


# PATS MECOR—Our Students Level 1

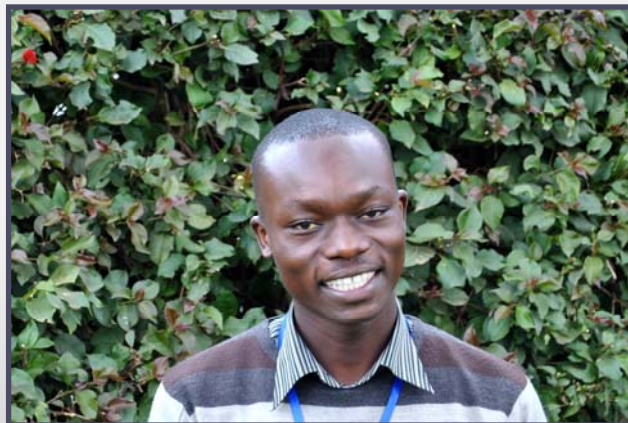




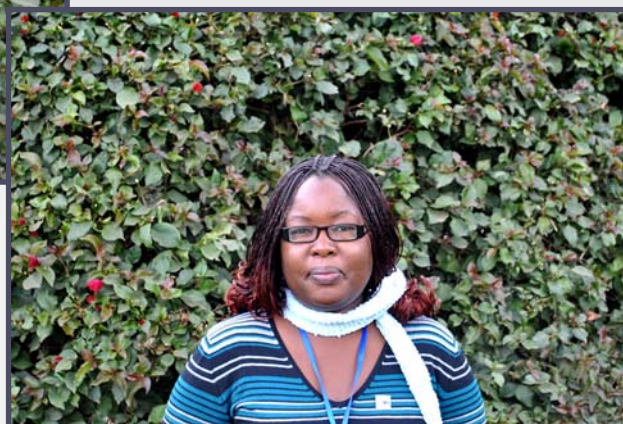
# PATS MECOR—Our Students Level 1



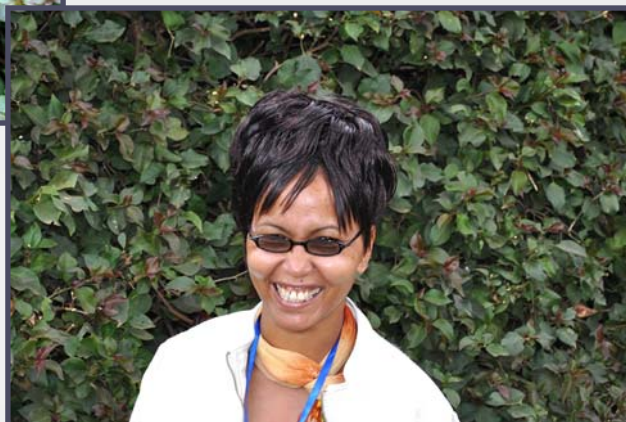
# PATS MECOR—Our Students Level 1



# PATS MECOR—Our Students Level 1



# PATS MECOR—Our Students Level 1



# PATS MECOR—Our Students Level 2



# PATS MECOR— Level 2 Students



# PATS MECOR—Our Students Level 2



# PATS MECOR—Our Students Level 3





# PATS MECOR—Our Students Level 3



# PATS MECOR—Our Students Level 3



# PATS MECOR— Our Faculty & Staff



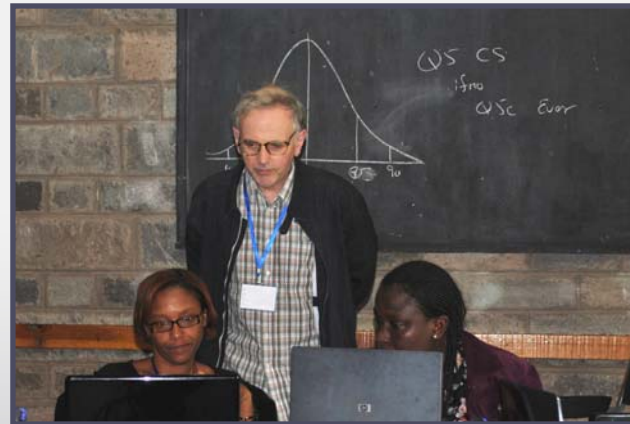
# PATS MECOR Hard at Work: Our “Conversations” in Classrooms & Hallways



# PATS MECOR Hard at Work: Small Groups



# PATS MECOR Hard at Work: Small Groups



# What is the Question?

## Level 1 Studies

- What is the time to initiation of TB treatment in prisons in Kenya?
- What are factors associated with mortality among TB/HIV infected patients?
- What are factors associated with the use of INH prophylaxis in children under 5 years in Africa?
- What is the smoking and mortality risk in PTB patients in Benin?
- What are the respiratory symptoms and abnormalities in spirometry in small scale wood furniture workers in Zimbabwe and S Nigeria?
- What is the prevalence and determinants of asthma in secondary school children in Surulere (Lagos) Nigeria?
- What is the prevalence of COPD among HIV infected and uninfected adults in Kenya, Nigeria, and Zimbabwe?

# What is the Question?

## Level 2 Studies

- What is the economic burden of TB care for patients and households in Nigeria?
- What are the determinants of sputum smear conversion in HIV infected patients?
- What is the prevalence and determinants of non-disclosure of HIV status among HIV+ Nigerian men?
- What is the correlation between indoor air pollution and symptoms of upper respiratory tract infection in SW Nigeria?
- What is the prevalence of interstitial lung disease in underground miners and open cast miners in Botswana?



# What is the Question?

## Level 2 Studies

- What are the environmental risk factors associated with symptoms of asthma, rhinoconjunctivitis, and eczema among school going adolescents aged 13-14 years in urban Lusaka?
- What is the cement dust exposure, symptoms, and lung function in workers in Namibia?
- What is the prevalence and factors associated with chronic lung disease in HIV infected adults?
- What is the prevalence of chronic lung disease among sex workers in Nairobi?

# What is the Question?

## Level 3 Studies

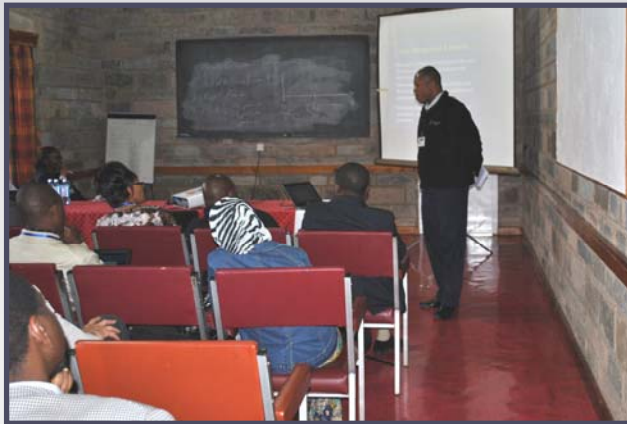
- What is the smoking prevalence among adult TB patients in Togo?
- What are the diagnostic processes and treatment outcomes for pediatric patients with TB in district hospitals in Namibia?
- What is the validity of doctor-diagnosed pneumonia in hypoxic children?
- What are the clinical features associated with oxygen use in pediatric patients in emergency departments in Ibadan, Nigeria?
- What is the health related quality of life and asthma control in children with asthma in Enugu, SE Nigeria?

# What is the Question?

## Level 3 Studies

- What is the prevalence of airway hyper-reactivity among steady-state sickle cell anemic children in Lagos, Nigeria?
- What is the health related quality of life among asthmatic patients in Ife-Ife, Nigeria?
- What is the knowledge, attitude, and practice of asthma control and medication use in Lusaka urban clinics?
- What is the etiology of wheezing in children with WHO-diagnosed pneumonia in the Gambia?

# PATS MECOR— Our Course Presentations



# PATS MECOR— Our Course Presentations



# The Sandy Mooney Prize— Level 3



Emilia Jumbe-Marsden, Zambia

# PATS MECOR— Successes

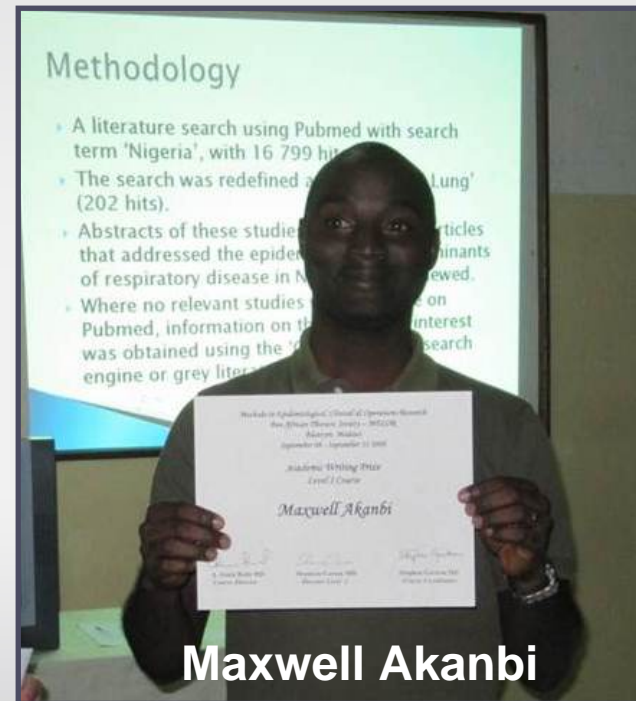
Travel Grant ATS 2008 Toronto

## Travel Grant ATS 2008 Toronto



Eric Mugambi

## Fogarty Fellowship in the Northwestern University AIDS International Training and Research Program for a Masters in Clinical Investigation



Maxwell Akanbi

# PATS MECOR— Successes

KAP study of asthma and asthma medications among patients attending Lusaka Urban clinics and initiation of ISAAC, Funded by Novartis

Royal College of Physicians/West African College of Physicians support for sub specialty training





# PATS MECOR— Our Special Moments



New ATS members

# PATS MECOR-- Our Special Moments



# PATS MECOR--

Sports. . . “The World” against Kenya” (in soccer)



# PATS MECOR

Sports—|“The World 4 (5) – Kenya 0 (1)



# PATS MECOR— Our Celebration



**New hats for  
our fearless  
leaders. . .**



# PATS MECOR—Level 1



# PATS MECOR—Level 2



# PATS MECOR—Level 3





# PATS MECOR



# PATS MECOR— Acknowledgements

- The Nuffield Foundation (UK) provided the primary support for the 2010 PATS MECOR Course
- Additional support was provided by:
  - Kenya Medical Research Institute
    - In partnership with the University of Nairobi and the Kenyan National Tuberculosis and Lung Disease Program
  - Liverpool School of Tropical Medicine
  - American Thoracic Society
  - Société de Pneumologie de Langue Française

Our sincere thanks to all who believe in the MECOR mission and support this program

# PATS MECOR

*“Improving global lung health in Africa through development of local, country and regional lung disease research capacity”*

