Academic Model for Prevention And Treatment of HIV/AIDS

AMPATH

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AMPATH
Academic Model for Prevention And Treatment of HIV/AIDS

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Clinics (19)
pMTCT
Family Preservation Initiative
(Income Security)

AMPATH Medical Records System

HAART & Harvest Initiative
(Nutrition (Food Security)
Food Distribution
Agricultural Extension

Orphans & Vulnerable Children
Community Mobilization

Outreach Support Group
ACADEMIC INSTITUTIONS
LINKING ACCESS TO TREATMENT AND PREVENTION

CASE STUDY

Joe Mamlin, Sylvester Kimaiyo, Winstone Nyandiko, William Tierney
Responding to the HIV Pandemic: The Power of an Academic Medical Partnership

Robert M. Einterz, MD, Sylvester Kimaiyo, MB, ChB, MMED, Haroun N.K. Mengech, MB, ChB, Barasa O. Khwa-Otsyula, MB, ChB, Fabian Esamai, MB, ChB, Fran Quigley, JD, and Joseph J. Mamlin, MD

Abstract

Partnerships between academic medical center (AMCs) in North America and the developing world are uniquely capable of fulfilling the tripartite needs of care, training, and research required to address health care crises in the developing world. Moreover, the institutional resources and credibility of AMCs can provide the foundation to build systems of care with long-term sustainability, even in resource-poor settings.

The authors describe a partnership between Indiana University School of Medicine and Moi University and Moi Teaching and Referral Hospital in Kenya that demonstrates the power of an academic medical partnership in its response to the HIV/AIDS pandemic in sub-Saharan Africa. Through the Academic Model for the Prevention and Treatment of HIV/AIDS, the partnership currently treats over 40,000 HIV-positive patients at 19 urban and rural sites in western Kenya, now enrolls nearly 2,000 new HIV positive patients every month, feeds up to 30,000 people weekly, enables economic security, fosters HIV prevention, tests more than 25,000 pregnant women annually for HIV, engages communities, and is developing a robust electronic information system.

The partnership evolved from a program of limited size and a focus on general internal medicine into one of the largest and most comprehensive HIV/AIDS-control systems in sub-Saharan Africa. The partnership’s rapid increase in scale, combined with the comprehensive and long-term approach to the region’s health care needs, provides a twinning model that can and should be replicated to address the shameful fact that millions are dying of preventable and treatable diseases in the developing world.

Figure 1 Cumulative number of persons infected with HIV enrolled in the Academic Model for the Prevention and Treatment of HIV/AIDS from November 2001 through January 2007.
AMPATH HIV Care

• Now caring for over 48,004 active patients (40,500 Adults and 7,504 children) as of 31st May 2007

• 2,905 new patients in April

• 21,397 on ARVs and 583 on TpMTCT
Percentages 1\textsuperscript{st} line and 2\textsuperscript{nd} line Adults

- 1\textsuperscript{st} Line Regimen: 96%
- 2\textsuperscript{nd} Line Regimen: 4%
PMTCT<5%

- Aggressive Treatment Protocol
- Counseling; Testing on site; If positive immediate registry, tracer card and visit to AMPATH Clinic; patient advocate for each patient [CHW, TBA] following patient from antenatal to infant weaning at 6 months
- Feeding strategy—access to *Safe water plus formula if patient chooses*
- Total data capture at each point of contact
- Identifying pregnancies away from our clinics
- Finding and testing dad or partner
Look what is coming

• Oncology
• Women’s health
• Psychiatry
• Universal Testing
• AMPATH Institute