

Ahmed Shelbaya, MD, MSc, MPH

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PROFESSIONAL SUMMARY

Public Health Professional with more than 20 years experience in the fields of Healthcare, Clinical Care, Health Policy and health economics and outcomes research (HEOR), developing and implementing strategies addressing healthcare access challenges for vulnerable and underserved populations; with experience in infectious diseases, clinical medicine, epidemiology, cost-effective analysis, policy analysis, Public Health advocacy strategies.

PROFESSIONAL EXPERIENCE

Jan. 2007 – Present

Columbia University in New York Mailman School of Public Health

Senior Lecturer at the Epidemiology Department (Adjunct)

- Involved in the design of core course for post-graduate MPH students focusing on Global Health
- Instructor of the course: ‘Priorities in Global Health’; a full credit core semester class designed to expose students to the latest global health priorities and equip them with the skills needed to assess, intervene and shape those priorities

Oct. 2007 – Present

Pfizer Inc.; New York, USA Global Outcomes & Evidence

Senior Director

- Developing Research Strategies to unlock the clinical, economic and quality of life, value of different health interventions for different stakeholders: Policy decision makers, Regulatory Agencies, Payers, Prescribers and Patients
- Policy analysis examining the medical, social, ethical, and economic implications of development, diffusion, and use of different healthcare policies and interventions that target demand, policy, finance, purchasing and delivery, at the global and regional levels
- Execution of tactics and studies that support the strategy
- Facilitate the translation of this research into useful information for healthcare decision-makers to ensure that society allocates scarce health care resources wisely, fairly and efficiently
- Developing and implementing annual strategic plans and research projects including outcomes research, patient reported outcomes and quality of life, and health economics modeling
- Managing the development of manuscripts, abstracts and posters. Presenting patient reported outcomes and health economic data at various scientific conferences
- Participating in protocol development with respect to patient reported outcomes and quality of life endpoints
- Engage scientifically with external KOL’s and regulatory agencies
- Provide Strategic and technical guidance to regional and country Outcomes & Evidence colleagues on aspects related to access challenges
- Support cross-functional colleagues with the implementation of their strategies

Jan 2013 – Present

Sustainable Health Initiative, Egypt (A Public Health Non-profit start-up) Public Health & Research Lead

- Develop strategies that incorporate different sectors to address diseases with highest burden and that could be addressed with cost-effective interventions within the capacity of resource limited settings
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- Underwent a study assessing the social and economic burden of Hepatitis C in Egypt, after receiving a grant from a donor agency. The aim of the study is produce several policy papers advocating government to address prevention
- Collaborating with a human rights organization to address Hepatitis C from a health and human rights perspective
- In collaboration with the communication team developed a series of seven films communicating to the public the burden of Hepatitis C in Egypt, ways of transmission and means of prevention

Aug. 2013 – Present

The NADA Foundation for Safer Egyptian Roads, Egypt
Founder/Strategy Coordinator

- Established the Foundation to address the catastrophic rise in road traffic injuries (RTI) and mortality in Egypt
- Develop the Foundation’s strategies that includes the advocacy and communication strategies as well as the pilot studies and interventions to support the overall strategies
- Develop strategies of engaging the different sectors of society to address RTI (Government, Civil Society and the Private Sector)
- Review current and potential laws that would support addressing the Road Traffic Injuries and Deaths
- Develop strategies for empowering the public to take charge of the issue and support our advocacy strategies
- Negotiating with different stakeholders
- Establish coalitions that address the RTI

June 2001 – Dec. 2006

Egyptian Ministry of Health, Egypt
Health Policy Analyst & Technical Coordinator for the Health Sector Reform Program

- Managed the planning process for establishing a Health Policy and Planning Department within the Central Department for Health Reform in the Ministry.
- Developed technical and **operational linkages** between **national programs, donors, NGO’s** and the different departments within the Ministry of Health. This included **aligning donor funding and activities with the Ministry’s strategies** with an aim of having a comprehensive rather than piece meal approach to reform.
- Coordinated the development and implementation of the national Health Sector Reform activities with a budget over \$100 million funded by the Egyptian Ministry of Health, the **United States Agency for International Development, the World Bank, and the European Union.**
- **Negotiated with International donor organizations** potential funds for different Ministry of health programs, including Child health, Population health, Health Sector Reform, Healthy Egyptians 2010 and Emergency Medicine
- **Monitored and evaluated** the implementation of the Health Sector Reform activities at the national and governorate level and along the different sectors within Government and civil society
- Provided technical assistance, guidance and support, to the First Undersecretary of Health, in the form of policy analysis papers and research. Policy analysis papers provided guidance and support needed for formulating the Ministry’s strategies for reforming the health care system and other public health policies.
- Represented and negotiated on behalf of the Egyptian Ministry of Health at numerous international health policy negotiations, including at the **World Health Organization** in Geneva, **European Union in Brussels**, and US health agencies in Washington D.C. and Atlanta. This work included participating in drafting the **International Framework Convention on Tobacco Control**, European Union’s **Neighborhood Policy and Twinning Projects**, and the development of “Healthy Egyptians 2010.”
- Developed a strategy for integration of the maternal and child health services with the family planning and reproductive health services within the Ministry
- Designed and spearheaded the current phase of “Healthy Egyptians 2010,” a **national health promotion and disease prevention program** developed in collaboration with the US Department of Health and Human Services and the Center for Disease Control.
- Spearheaded the development of a new methodology to identify medically underserved and vulnerable populations within the Egyptian health system. The work is currently being used to develop a national mechanism for means testing and exemption policies.

- Collaborated in the development of the Basic Health Benefits Package of health services, which is being made available to every Egyptian as a part of the health care reform. This included calculating the burden of disease, as well as establishing a methodology for costing of the services delivered through the basic benefits package, which is currently being institutionalized in the Ministry.
- Technical responsibilities included: **costing studies, cost benefit analysis, writing policy analysis papers, annual implementation plan development, budget development, negotiation with donor agencies,** and national health communication policy development.

Jun 1991 – Dec 2006

**Egyptian Ministry of Health, Egypt
Pediatric Specialist & Neonatologist**

- Assistant Neonatologist, Dar El Salam General Hospital, Cairo, Egypt.
- Acting Director, Pediatric & Neonatology Department, Sharm El Sheikh International Hospital, Sharm El Sheikh, Egypt.
- Assistant Neonatologist, Mounira General Hospital, Cairo, Egypt.
- Chief Pediatric Resident, Ahmed Maher Teaching Hospital, Cairo, Egypt.
- Director of Abou Atwa Primary Care Clinical center, Ismaeleya, Egypt.

Summer 1990 (May – Sep)

**Ghana Police Hospital, Accra Ghana
Emergency Medicine Volunteer**

- Assist in diagnosing emergency surgical cases
- Assist in emergency surgical treatment procedures

OTHER APPOINTMENTS

2018-2019

World Food Program
Epidemiologist consulting to the Africa Risk Capacity Project

2006 – 2007

International Consortiums for Emergency Contraception & Gynuity Health Projects
Public Health Consultant

2005

Health Insurance Organization, Egypt
Instructor at the National Health Institute on a course of health policy development

2000

Suez Canal Medical School, Suez, Egypt.
Instructor of Family Medicine

EDUCATION/TRAINING

2017

**Columbia University in New York
Mailman School of Public Health**
Masters of Science in Epidemiology (Candidate 2018)

2001

**Columbia University in New York
Mailman School of Public Health**
Masters of Public Health in Health Policy

1999

**New York University in New York
Wagner School of Public Administration**
Relevant course work: economics, statistics, and policy analysis

1995

**Cairo University
School of Medicine & Surgery**
Masters Degree in Pediatrics and Neonatology

1989

Cairo University

School of Medicine & Surgery
Medical Degree in Medicine & Surgery

PUBLICATIONS (Selected)

- “Risk factors for mixed complicated skin and skin structure infections to help tailor appropriate empiric therapy” Zilberberg M, Micek ST, Kollef MH, Shelbaya A, Shorr AF. *Journal of Surgical Infection* 2012;13 (6):377-82
- “Clinical and economic burden of hospital onset health care facility acquired clostridium difficile infection in Europe: a systemic literature review” Wiegand PN, Nathwani D, Wilcox MH, Stephens J, Shelbaya A, Haider S. *Journal of Hospital Infection* 2012
- “Risk factors for mixed complicated skin and skin structure infections to help tailor appropriate empiric therapy” Zilberberg M, Micek ST, Kollef M, Shelbaya A, Shorr A. *Journal of Surgical Infection* 2012
- “Re-hospitalization Rates Among Linezolid Versus Vancomycin Users” Mullins C., Hsu V., Shelbaya A. *Perencevich E. American Journal of Pharmacy*. 2011
- “Economic modeling in HIV for maraviroc in France in treatment experienced patients. Results from the ARAMIS 2011 model” Despiegel N., Felicitas Kuehne F., Martin M., Shelbaya A. *Retrovirology*. 2011
- “Non-adherence to oral linezolid after hospitalization: A retrospective claims analysis of the incidence and consequence of claim reversals” Ball A., Xu Y., Sanchez R., Shelbaya A. Deminski D., Nau D. *Clinical Therapeutics* 2010.
- “Achieving equity through reform of the health sector in Egypt,” published in *Global Forum Update on Research for Health, Volume 2*, by the **Global Forum for Health Research** 2005.
- “Modeling the clinical and economic impact of the post treatment protection conferred by Artemisinin combination therapies in the treatment of children with uncomplicated P. Falciparum Malaria”. Abstract at the **6th European Congress on Tropical Medicine and International Health in Verona Italy, 2009**
- “The clinical and economic effect of Linezolid across the spectrum of patient care: a multicenter comparative study”. Abstract submitted and accepted to the **Society for Healthcare Epidemiology of America (SHEA)** 2008
- “Modeling the inpatient and outpatient costs of Methicillin-Resistant staphylococcus aureus (MRSA) complicated skin and soft tissue infections (cSSTI): A comparison of Linezolid, Vancomycin, Daptomycin, and Tigecycline”. Abstract submitted and accepted at the **International Society of Pharmaco-economics and outcomes research (ISPOR)**.
- “Linezolid vs. Vancomycin Health and Economic Outcomes: A Retrospective Database Study of 14,505 Infection-related Treatment Episodes”. Abstract submitted and accepted to the **European Congress of clinical microbiology and Infectious diseases (ECCMID)** and manuscript published in **Journal Clinical Therapeutics**
- Impact of benefit design on health outcomes and health economics. **Abstract presented at the Academy of Managed Care Pharmacy (AMCP)** & manuscript awaiting acceptance at the **Journal of Clinical Therapeutics**
- “Regional Resource use utilization comparison in cSSTi in a randomized clinical trial (ICAAC) Symposium oral presentation at the **Interscience Conference on Antimicrobial Agents and Chemotherapy**
- Contributed to a research study comparing the effectiveness, efficiency, and quality of service delivery between reformed and non-reformed primary health care units.
- Spearheaded a statistical research study to define a tool for identification of underserved and vulnerable populations. This tool is being used in the formulation of a new exemption policy within the reformed health care system.
- Contributed to a costing study aiming at defining the cost of delivery of the Basic Benefits Package of health care for future use in resource allocation by the Ministry of Health and the Health Insurance Organization.
- Produced a policy analysis study aimed at integrating family planning and reproductive health services with maternal and child health services. The paper defined the opportunities, obstacles and steps for integration within the framework of the Ministry’s strategy.
- Collaborated on a national strategy paper that included policies and activities needed for combating tobacco consumption after Egypt’s ratification of the International Framework Convention on Tobacco Control.

SKILLS:

Statistical programming:	SAS & SPSS
Computer:	Proficient MS Office applications (Word, excel, PowerPoint, & Outlook)
Languages:	Fluent English and Arabic as well as functional speaker of French
Cross-Cultural Experience:	Lived in Uganda, Liberia, Sierra Leone, Indonesia, Mexico, Egypt and the U.S.A
