

CURRICULUM VITAE

JON MARK HIRSHON, MD, MPH, PhD, FACEP, FAAEM, FACPM

Associate Professor
Department of Emergency Medicine
Department of Epidemiology and Public Health
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Contact Information

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Education

1984 Bachelor of Arts, Biology and French Literature
University of California, Santa Cruz
1990 Doctor of Medicine
University of Southern California, School of Medicine
1994 Master in Public Health, Johns Hopkins Bloomberg School of Public
Health, Special Emphasis on International Health
2011 Doctor of Philosophy in Epidemiology
Department of Epidemiology and Public Health
University of Maryland School of Medicine

Post-Graduate Education and Training

1990–1993 Emergency Medicine Residency, Johns Hopkins Hospital, Johns Hopkins
University
1994–1995 Preventive Medicine Residency, Johns Hopkins Bloomberg School of
Public Health, Johns Hopkins University
1994 Preventive Medicine Resident, Occupational Safety and Health
Administration, Washington, DC
1994–1995 Special Assistant to the Baltimore City Health Commissioner/Preventive
Medicine Resident: Project Coordinator of a Health Needs Assessment of
the Latino/Hispanic Community in Baltimore
1995 Short Term Consultant/Preventive Medicine Resident: Pan American
Health Organization's Expanded Program on Immunization, Kingston,
Jamaica

Certifications

1991–current	Diplomate, National Board of Medical Examiners
1994, 2004	Diplomate, American Board of Emergency Medicine
1997–current	Fellow, American College of Emergency Physicians
1998–current	Fellow, American Academy of Emergency Medicine
2002, 2012	Diplomate, American Board of Preventive Medicine
2002–current	Fellow, American College of Preventive Medicine

Medical Licensures

1993	Maryland Medical License (active)
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Employment History

Academic Appointments

1995–1997	Instructor, Department of Emergency Medicine, Johns Hopkins Bayview Medical Center, Johns Hopkins School of Medicine
1997–2001	Assistant Professor, Department of Emergency Medicine, Johns Hopkins School of Medicine
1997–2001	Assistant Professor, Department of International Health Johns Hopkins Bloomberg School of Public Health
2001–2004	Assistant Professor, Division of Emergency Medicine, Department of Surgery, University of Maryland School of Medicine
2002–2004	Assistant Professor (secondary), Department of Epidemiology and Preventive Medicine, University of Maryland School of Medicine
2004–2006	Associate Professor, Division of Emergency Medicine, Department of Surgery, University of Maryland School of Medicine
2004–present	Associate Professor (secondary), Department of Epidemiology and Public Health, University of Maryland School of Medicine
2006–present	Associate Professor, Department of Emergency Medicine University of Maryland School of Medicine
2012–present	Extraordinary Associate Professor Division of Emergency Medicine Stellenbosch University, Cape Town, South Africa

Other Employment

1993–1996	Emergency Physician Good Samaritan Hospital, Baltimore Harbor Hospital, Baltimore Union Memorial Hospital, Baltimore
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Professional Society Memberships

Elected Memberships

1990–current	Alpha Omega Alpha Medical Honor Society
1998–current	American Academy of Emergency Medicine (fellow)
1997–current	American College of Emergency Physicians (fellow)
2002–current	American College of Preventive Medicine (fellow)
1994–current	Delta Omega Public Health Honor Society

Professional Society Memberships (continued)

Other Memberships

1995-current American Public Health Association
1993-current Society for Academic Emergency Medicine
2011-current African Federation of Emergency Medicine

Honors and Awards

1984 College Honors
College Service Award
University of California, Santa Cruz
1986–1990 California Graduate State Fellowship
University of Southern California School of Medicine
1988–1990 Merit Scholarship
University of Southern California School of Medicine
1989 Children’s Hospital of Los Angeles Summer Research Fellowship
University of Southern California School of Medicine
1990 Merck Manual Award for Service
University of Southern California School of Medicine
1990 Skull and Dagger Society Award for Service
University of Southern California School of Medicine
1990 Alpha Omega Alpha Honor Society
University of Southern California School of Medicine
1994 Delta Omega Honor Society
Johns Hopkins School of Hygiene and Public Health
Johns Hopkins University
2000 Outstanding Service Award
For dedication to the residents mentoring program
Maryland Chapter, American College of Emergency Physicians
2004 Top Consultant
For outstanding performance as a peer reviewer
Annals of Emergency Medicine, 2002–2003
2005 Inclusion in the Consumers’ Research Council of America’s “Guide to
America’s Top Physicians,” 2004–2005 edition
2005 Meritorious Service Award
In recognition of service to National ACEP as Chair of the Public Health
Committee
Maryland Chapter, American College of Emergency Physicians
2006 Outstanding Reviewer
Academic Emergency Medicine
2007 Award in Appreciation for Outstanding Leadership, Dedication and
Support of Emergency Medicine as President
Maryland Chapter, American College of Emergency Physicians
2008 Hero of Emergency Medicine, American College of Emergency Physician

Clinical Activities

2001–Current Clinical Site: Emergency Department, University of Maryland Medical Center
Current Clinical Commitment: 775 hours/year

Administrative Service

Institutional Service: Johns Hopkins University

1992–1993 Treasurer, Housestaff Council
Johns Hopkins Hospital

1993–1994 Academic Committee for the Masters of Public Health
Johns Hopkins School of Hygiene and Public Health

1994–1995 Committee on Residency Programs
Johns Hopkins School of Hygiene and Public Health

1998–2001 Research Coordinator, Department of Emergency Medicine
Johns Hopkins Bayview Medical Center

1997–2001 Medical Director, Extended Stay Unit
Department of Emergency Medicine, Johns Hopkins Bayview Medical Center

1997–2001 Emergency Preparedness Committee
Johns Hopkins Bayview Medical Center

2000–2001 Chairman, Emergency Preparedness Committee
Johns Hopkins Bayview Medical Center

1998–2001 Faculty, Center for International Emergency Medicine Studies
Department of Emergency Medicine & Department of International Health
Johns Hopkins University

Institutional Service: University of Maryland

2001–current Education Committee
Department of Emergency Medicine
University of Maryland School of Medicine

2001–current Research Committee
Department of Emergency Medicine
University of Maryland School of Medicine

2001–current Senior Faculty
The Charles McC. Mathias, Jr. National Study Center for Trauma and EMS, University of Maryland School of Medicine

2004–2005 Associate Director
The Charles McC. Mathias, Jr. National Study Center for Trauma and EMS, University of Maryland School of Medicine

2005–2006 Acting Director
The Charles McC. Mathias, Jr. National Study Center for Trauma and EMS, University of Maryland School of Medicine

2003–current Chairman, Emergency Department Research Committee
University of Maryland Medical Center

2003–2004 Committee Member or Alternate, Institutional Review Board
University of Maryland School of Medicine

Administrative Service / Institutional Service: University of Maryland (continued)

2004–2009 Vice Chairman, Institutional Review Board
University of Maryland School of Medicine

2005-current Member
Global Health Resource Center Executive Committee

2007–2010 Co-Chairman/Chairman, Faculty Development Committee
Department of Emergency Medicine

2007–2009 Institutional Review Board Representative
Neurological Emergencies Treatment Trials (NETT) Network
University of Maryland School of Medicine

2008–2009 Institutional Review Board Representative
IHV-Nigeria Working Group
University of Maryland, School of Medicine

2012-current Reviewer, University of Maryland Baltimore-University of Maryland
College Park Seed Grant Competition

2012–current Senior Vice Chairman, Institutional Review Board
University of Maryland Baltimore

2012 Member, Passano Grant Review Committee
University of Maryland, School of Medicine
December 11, 2012

2012-current Applicant Interviewer for Medical Students
University of Maryland School of Medicine

2013 Judge, Emergency Medicine Resident Research Day
Department of Emergency Medicine
University of Maryland School of Medicine

Local Service: City/County/State Governmental Duties

1987–1990 Emergency Medical Services Committee
Los Angeles County Medical Association

1999–2002 Director, Emergency Department Surveillance Project
Baltimore City Health Department

2000–2001 Data and Monitoring Workgroup Committee
Region III Asthma Initiative
U.S. Department of Health and Human Services

2000–2002 Data Use Institute Team from Baltimore
Baltimore Asthma Surveillance Project Team
Baltimore City Health Department

2001–2003 Non-Affiliated Member, Human Subjects Review Committee
Baltimore City Health Department

2001–2003 Representative of Baltimore City Health Department
Emerging Drug Training Network
Maryland Department of Health and Mental Hygiene in conjunction with
the Governor's Office of Crime Control and Prevention

2002 Bioterrorism Response Coordinator
Baltimore City Health Department

Local Service: City/County/State Governmental Duties (continued)

2002–2005	Advisory Committee Bioterrorism Preparedness and Response Planning State of Maryland
2006–2009	Steering Committee, Partnership for a Safer Maryland State of Maryland
2007–2010	Emergency Department Technical Advisory Panel Maryland Health Care Commission
2011–2013	Communications and Outreach Advisory Group Health Care Reform Coordinating Council State of Maryland

Local Service: American College of Emergency Physicians, Maryland Chapter

2000–2001	Board of Directors
2000–current	Education Committee
2001–2002	Treasurer
2001–current	Representative or Alternate Representative from Maryland ACEP to the National ACEP Governing Council
2001–current	Public Policy Committee
2002–2004	Vice-President
2004–2007	President
2007–2009	Immediate Past President

Other Local Service

2002–2010	Disaster Preparedness Task Force Med-Chi, Maryland State Medical Society
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National Service: Responsibilities in Emergency Medicine Organizations

1993–1994	International Committee, Society for Academic Emergency Medicine
1996–2003	Public Health Committee, American College of Emergency Physicians
2003–2006	Chairman, Public Health Committee, American College of Emergency Physicians
1997–1999	Liaison, American College of Emergency Physicians to the Healthy People Consortium
1998–1999	Chairman, Public Health Committee American Academy of Emergency Medicine
1998–1999	Public Health and Education Task Force Preventive Services Work Group, Society for Academic Emergency Medicine
2001–2010	Liaison, American College of Emergency Physicians to the American Public Health Association
2002	Representative, American College of Emergency Physicians to the Institute of Medicine Forum on Smallpox: The Scientific Basis for Vaccination Policy Options, June 15, 2002
2002–2003	Terrorism Response Task Force American College of Emergency Physicians

National Service: Responsibilities in Emergency Medicine Organizations (continued)

2003	Representative, American College of Emergency Physicians to the Institute of Medicine's Meeting on Committee on Smallpox Vaccination Program Implementation
2004–2008	Tellers, Credentials and Elections Committee American College of Emergency Physicians
2004–2008	Scientific Review Committee American College of Emergency Physicians
2005–2006	Subcommittee Chair, Public Health Review Section, Scientific Review Committee, American College of Emergency Physicians
2004–current	Research Forum Moderator, American College of Emergency Physicians
2004	Representative, American College of Emergency Physicians to the American Public Health Association's Flu Vaccine Leadership Forum
2006–2008	Council Steering Committee American College of Emergency Physicians
2006–2007	Finance Committee American College of Emergency Physicians
2006–current	International Ambassador to Egypt American College of Emergency Physicians
2006–2009	National Report Card Task Force Chair, Data Subcommittee American College of Emergency Physicians
2008–2009	Liaison, American College of Emergency Physicians to the Healthy People Consortium
2008–2009	Organizing Committee Academic Emergency Medicine Consensus Conference Public Health in the ED: Surveillance, Screening, and Intervention May 13, 2009
2011–2013	Conference Co-Chair Academic Emergency Medicine Consensus Conference Global Health and Emergency Care: A Research Agenda May 15 2013
2011-current	Chair, National Report Card Task Force American College of Emergency Physicians
2011-current	Member International Ambassador Program Committee American College of Emergency Physicians
2013	Representative, American College of Emergency Physicians to the Viral Hepatitis Action Coalition Centers for Disease Control Foundation January 11, 2012, Atlanta, GA
2013	Session Moderator Society for Academic Emergency Medicine May 16, 2013, Atlanta, GA

Other National Service

1987–1988	Representative American Medical Student Association to the International Federation of Medical Student Associations
1988–1989	Assistant National Coordinator
1989–1990	National Coordinator American Medical Student Association’s International Health Taskforce
1997	Site Assessment of Hospital San Jose de Guaduas, Columbia, Evaluation for Humanitarian Aid from AmeriCares
2003–2004	Secretary/Treasurer
2004–2008	Governing Council Representative from the Epidemiology Section American Public Health Association
2007	Expert Review Workshop Panel, Ground and Drinking Water, Contaminant Candidate List 3 U. S. Environmental Protection Agency
2007–Current	Technical Advisory Panel on Rapid Influenza Testing on Evaluating the Use of Rapid Influenza Testing in Outpatient Medical Settings, Centers for Disease Control/The Joint Commission
2008–2010	Study Section: Trauma, Burns and Peri-operative Injury NRSA Institutional Postdoctoral Training Grant National Institute of General Medical Sciences
2008	Study Section: Models of Infectious Disease Agent Study Research Grants National Institute of General Medical Sciences
2009-2012	Loan Repayment Program Reviewer National Institute of General Medical Sciences
2013-Current	Member, Data Safety Monitoring Board Managing Acute Pain in Critically Ill Non-communicative Palliative Care Patients, NINR: 1RO1NR01013664-01

International Service

2011	Conference Co-Chair <i>African Federation of Emergency Medicine Consensus Conference</i> Public Health in the ED: Surveillance, Screening, and Intervention Held on November 18 th , 2011 in Cape Town, South Africa
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Peer Review/Editorial Tasks

1999–current	Managing Editor, <i>eMedicine: Emergency Medicine</i>
1999–current	Reviewer, <i>Annals of Emergency Medicine</i>
1999–current	Reviewer, <i>American Journal of Public Health</i>
2002–current	Reviewer, <i>American Journal of Preventive Medicine</i>
2003–current	Reviewer, <i>Academic Emergency Medicine</i>
2011-current	Reviewer, <i>Emerging Infectious Diseases</i>
2004–2007	Emergency Medicine Foundation Grant Reviewer American College of Emergency Physicians
2006	Guest Editor, <i>Emergency Medicine Clinics of North America</i>
2013-current	Associate Editor, <i>OA Emergency Medicine</i>

Teaching Service (abbreviated)

Formal Teaching Activities

1994	Co-coordinator Careers and Issues in International Health Johns Hopkins Intersession Course Johns Hopkins University
1995–2001	Clinical Teaching of Residents and Medical Students in the Emergency Department, Johns Hopkins Bayview Medical Center
2001–current	Clinical Teaching of Residents and Medical Students in the Emergency Department, University of Maryland School of Medicine
2002–2005	Facilitator/Small Group Leader Epidemiology Lecture Series, Medical Student Year II University of Maryland School of Medicine
2005	Teacher Assistant, Observational Epidemiology Department of Epidemiology and Preventive Medicine University of Maryland School of Medicine
2006	Co-Course Master (with Dr. Elisa Braver) Injury Epidemiology and Prevention Department of Epidemiology and Preventive Medicine University of Maryland School of Medicine
2011-2013	Doctoral Dissertation Committee Member for Jennifer Albrecht Department of Epidemiology and Public Health University of Maryland, School of Medicine
2012-2013	Masters Dissertation Committee Member Mohammed T. Awad and Omar H. Abu-Zaydeh Faculty of Medicine and Health Sciences An-Najah National University
2013-current	Doctoral Dissertation Committee Member for Mark Jones Department of Epidemiology and Public Health University of Maryland, School of Medicine

Curriculum Development

2005–current	International Emergency Preparedness and Response Training Program This is a one-week course on disaster preparedness and response that has been taught to Egyptians, Iraqis and Afghans through our Injury Prevention Research Training in Egypt program.
2006–current	Sequential Trauma Educational ProgramS (STEPS) This is a one-week course on trauma management and response for physicians, designed for lower- and middle-income countries. It has been taught to Egyptians, Sudanese and others through our Injury Prevention Research Training in Egypt program.
2006-current	Trauma and Emergency Care Research Monthly Seminar This monthly, CME approved seminar is intended to inform researchers and clinicians about current research topics in injury and emergency care University of Maryland School of Medicine

Curriculum Development (continued)

- 2007–current International Injury Epidemiology
This is a two-month summer course for international students on basic epidemiology and biostatistics with an emphasis on injuries. It has been taught to Egyptians through our Injury Prevention Research Training in Egypt program. Courses have been given in: Summer 2007, Summer 2008, Summer 2009, Summer 2012, Summer 2013
- 2010-2012 Development of the Emergency Medicine Residency Program at Muhimbili University of Health and Allied Sciences in Dar es Salaam, Tanzania. Responsibilities have included organizing components of the educational curriculum, bedside teaching and lectures.
- 2011-current International Injury Epidemiology (Short Course)
This is a two – three week injury epidemiology course designed for epidemiologist and taught in collaboration with Ain Shams University , Cairo and the Eastern Mediterranean Regional Office of the World Health Organization. Courses have been given in Cairo, Egypt: Summer 2011, Winter 2012, Winter 2013, and in Medina, Saudi Arabia in Winter 2014.
- 2012-current Program Developer and Coordinator
University of Maryland-University of Cape Town/Stellenbosch University
Emergency Medicine Ground Rounds
Monthly Internet Based Ground Rounds

Grant Mentorship

- 2004–2005 Applicant: Stephen M. Schenkel, MD, MPP
Mentor: Jon Mark Hirshon, MD, MPH
Organization: Maryland Chapter, American College of Emergency Physicians
Project: Safety Net Access for Patients
Type: Public Relations Grant
Sponsor: American College of Emergency Physicians
- 2004–2005 Applicant: Michael Blake, BA, MPH (\$2,400)
Preceptor: Jon Mark Hirshon, MD, MPH
Institution: University of Maryland School of Medicine
Project: Medical Factors Contributing to Morbidity in Emergency Department Patients
Type: Epidemiology
Sponsor: Emergency Medicine Foundation/Society for Academic Emergency Medicine Medical Student Grant
- 2005–2006 Applicant: Amy R. Auerbach, BA (\$2,400)
Preceptor: Jon Mark Hirshon, MD, MPH
Institution: University of Maryland School of Medicine
Project: Access and Potential Use of Online Resources by ED Patients
Type: Epidemiology
Sponsor: Emergency Medicine Foundation/Society for Academic Emergency Medicine Medical Student Grant

Grant Mentorship (continued)

- 2008 Applicant: Hannah Day, MS (\$14,625)
Preceptor: Jon Mark Hirshon, MD, MPH
Institution: University of Maryland School of Medicine
Project: Junior Scientist Development Travel Grant
Sponsor: U.S.-Egypt Joint Board on Scientific and Technological
Cooperation
- 2011 Applicant: Jennifer Albrecht
Preceptors: J. Furuno, Jon Mark Hirshon
Institution: University of Maryland Baltimore
Project: Depressive Symptoms and 30-Day Unplanned Hospital
Readmissions in Older Adults
Type: 1R36HS021068-01, Predoctoral Fellowship
Sponsor: Agency for Healthcare Research and Quality

Grant & Contract Support

Active Grants & Contracts

- 02/28/11–02/27/16 Jon Mark Hirshon (PI, 10%)
“Injury Prevention Training in Egypt and the Middle East”
National Institutes of Health, Fogarty International Center
Training Grant
Total Costs: \$1,079,967
- 09/27/12-09/26/14 Jon Mark Hirshon (PI 7.5%)
Crownweb Data Reliability and Validity Contract
Centers for Medicare and Medicaid, though Healthcare Management
Solutions, LLC
Total Costs: \$238,437
- 08/01/09–current Jon Mark Hirshon (PI, 5%)
Epidemiological Research and Statistics
Maryland Institute of Emergency Medical System Services contract
Total Costs: \$315,000
- 02/01/08-current Jon Mark Hirshon (PI, 0%)
Rapid HIV Testing Services in the Emergency Department-Grants I-V
Baltimore City Health Department
Total Costs \$860,320

Completed Grants & Contracts

- 06/01/11-12/31/12 Jon Mark Hirshon (PI, 0%)
Emergency Medicine Academic Consortium
‘Center of Excellence’ in Emergency Care at Muhimbili National
Hospital, Dar es Salaam, Tanzania.
Abbott Fund Grant
Total Costs: \$60,000

Completed Grants & Contracts (continued)

10/25/11-8/31/12 Jon Mark Hirshon (co-PI, 3%)
Neurological Emergencies Treatment Trials (NETT) Network
National Institute of Neurological Disorders and Stroke

09/01/09-08/31/12 Jon Mark Hirshon (PI, 0%)
“Occupational Injuries in the Eastern Mediterranean Conference”
CDC/NIOSH grant
Total Costs: \$20,000

08/01/10-07/25/12 Jon Mark Hirshon (Co-Investigator then PI, 15%)
Initial PI-Jon Furuno, PhD
“Using Nursing Home Antibigrams to Improve Antibiotic Prescribing
and Delivery
AHRQ Research Grant
Total Costs: \$559,101

03/01/10-02/28/12 Jon Mark Hirshon (PI, 4%)
”Bridge Funds – Egypt Training”
National Institutes of Health, Fogarty International Center
Training Grant
Total Costs: \$108,126

07/01/10-06/30/12 Jon Mark Hirshon (PI, 0%)
“Pilot of Evidence Based Guidelines Process”
National Highway Traffic Safety Administration contract
Total Costs: \$20,000

09/01/06-02/28/12 Jon Mark Hirshon (PI, 3%)
“Injury Prevention Research Training in Egypt”
D43 Training Grant
National Institutes of Health, Fogarty International Center
Total Costs: \$809,691

03/01/10-02/28/12 Jon Mark Hirshon (PI, 1%)
“Substance Abuse Supplement to Injury Prevention Training Program in
Egypt”
National Institutes of Health, Fogarty International Center
Training Grant
Total Costs: \$49,799

03/01/07-06/20/12 Jon Mark Hirshon, Patricia Dischinger (Co-PI, 0%)
“Injury Control and Trauma Response”
Principal Investigator- Patricia Dischinger, PhD
National Research Service Award Institutional Research Training Grant
T32 Training Grant
National Institute for General Medical Sciences
Total Costs: \$1,362,652

8/97-10/98 Jon Mark Hirshon (Co-Investigator, 0%; PI, John Harmon)
“Lexipafant in Acute Pancreatitis “
British Biotech Contract

Completed Grants & Contracts (continued)

- 9/98–6/99 Jon Mark Hirshon (Co-Investigator, 2%)
“A Double-Blind, Multicentre, Parallel Group study to Compare the Efficacy and Safety of Oral SB-265805 320mg Once Daily Versus Levofloxacin 250mg Once Daily for 10 Days in the Treatment of Pyelonephritis or Complicated Urinary Tract Infections (UTI)”
SmithKline Beecham
- 9/01–9/04 Jon Mark Hirshon (Co-Investigator then PI, 0%)
“Unexplained Diarrhea Sentinel Surveillance”
Principal Investigator- David Acheson, MD
National Center for Infectious Diseases, Association of American Medical Colleges Cooperative Agreement
Total Costs: \$1,045,150
- 1/02–6/02 Jon Mark Hirshon (Bioterrorism Response Coordinator, 0%)
Baltimore City Health Department
Total Costs: \$59,000
- 9/03–9/09 Jon Mark Hirshon (PI, 75%)
Geographic Variability in ED Use for Pediatric Asthma
Mentored Clinical Scientist Development Award (K08)
National Institutes of Health, National Heart, Lung and Blood Institute
Total Costs: \$661,500
- 9/03–9/05 Jon Mark Hirshon (Co-Investigator, 0%; PI, Patricia Dischinger)
“A Comprehensive Surveillance of Occupational Injury in Maryland”
National Institute for Occupational Safety and Health
- 9/04–9/07 Jon Mark Hirshon (PI, 0%)
“Diarrhea in Baltimore: Surveillance & Pathogen Detection”
National Institutes of Health, National Center for Infectious Diseases
Total Costs: \$1,045,629
- 9/04–12/07 Jon Mark Hirshon (Co-Investigator, 0%; PI, Olivia Carter-Pokras)
“Maryland's Approach to Cultural Competency in Healthcare”
National Institutes of Health, National Heart, Lung and Blood Institute
- 3/06–11/06 Jon Mark Hirshon (PI, 0%)
“Training Iraqi Doctors with our International Emergency Preparedness and Response Training Program”
Iraqi Ministry of Health (with World Bank Funds)
Total Costs: \$124,745
- 2006–2007 Jon Mark Hirshon (Site PI, 0%; Grant PI, Richard Schwartz)
“A Competency Based National Training Strategy for the National Disaster Life Support Courses”
Maryland Chapter, American College of Emergency Physicians, through the American College of Emergency Physicians
Health Resources and Services Administration
Medical College of Georgia
Site Amount: \$20,000

Completed Grants & Contracts (continued)

- 3/08–2/09 Jon Mark Hirshon (PI, 0%)
“Afghan Training Supplement”
National Institutes of Health, Fogarty International Center
Total Costs: \$20,000
- 10/08–9/09 Jon Mark Hirshon (Co-investigator, 0%; PI, Kendall Hall)
“Safety Advancement in the Emergency Department”
Agency for Healthcare Research and Quality
Total Costs: \$876,347

Other Grant Activities

- 2006–2007 Site Principal Investigator
“A Competency Based National Training Strategy for the National
Disaster Life Support Courses”
Maryland Chapter, American College of Emergency Physicians, through
the American College of Emergency Physicians
Health Resources and Services Administration
Grant Principal Investigator: Richard B. Schwartz
Medical College of Georgia
Site Amount: \$20,000

Publications

Peer-Reviewed Journal Articles

1. McDiarmid M, Gamponia MJ, Ryan MA, **Hirshon JM**, Gillen NA, Cox M. Tuberculosis in the workplace: OSHA’s compliance experience. *Infect Control Hosp Epidemiol* 17(3):159-164, March 1996.
2. **Hirshon JM**, Kirsch T, Mysko W, Kelen G. Effect of rotational patient assignment on emergency department length of stay. *J Emerg Med* 14(6):763-768, November-December 1996.
3. **Hirshon JM**, Eng TR, Brunkow KA, Hartzell N. Psychological and re-adjustment problems associated with emergency evacuation of Peace Corps volunteers. *J Travel Med* 4(3):128-131, January 1997.
4. Kirsch TD, Holliman CJ, **Hirshon JM**, Doezema D. The development of international emergency medicine: a role for U.S. emergency physicians and organizations. *Acad Emerg Med* 4(10):996-1001, October 1997.
5. **Hirshon JM**, Irons B, Figueroa P, Lewis-Bell K, Goodman M, Kirk GD, Hersh BS. Jamaica’s measles elimination experience. *Am J Public Health* 89(8):1254-1255, August 1999.
6. Holliman CJ, Green GB, VanRooyen MJ, Clem K, Smith JP, Ankel FK, **Hirshon JM**, Thomas T, Perez N, Davis M, Wolf LR. Recommended curriculum for an observational international emergency medicine fellowship program. *Acad Emerg Med* 7(4):359-364, April 2000.
7. **Hirshon JM**. The rationale for developing public health surveillance systems based on emergency department data. *Acad Emerg Med* 7(12):1428-1432, December 2000.

Peer-Reviewed Journal Articles (continued)

8. McCarthy ML, **Hirshon JM**, Ruggles RL, Docimo AB, Welinsky M, Bessman ES. Referral of medically uninsured emergency department patients to primary care. *Acad Emerg Med* 9(6):639-642, June 2002.
9. Hasbrouck LM, Taliano J, **Hirshon JM**, Dannenberg AL. Use of epidemiology in clinical medicine publications, 1983–1999: a citation analysis. *Am J Epidemiol* 157(5):399-408, March 2003.
10. **Hirshon JM**, Krugman SD, Witting MD, Furuno JP, Limcangco MR, Perisse AR, Rasch EK. Variability in institutional review board assessment of minimal-risk research. *Acad Emerg Med* 9(12):1417-1420, December 2002.
11. Thorne CD, **Hirshon JM**, Himes CD, McDiarmid MA. Emergency medicine tools to manage smallpox (vaccinia) vaccination complications – clinical practice guideline and policies and procedures. *Ann Emerg Med* 42(5):665-680, November 2003.
12. Krugman SD, Witting MD, Furuno JP, **Hirshon JM**, Limcangco MR, Perisse AR, Rasch EK. Perceptions of help resources for victims of intimate partner violence. *J Interpers Violence* 19(7):766-767, July 2004.
13. Menaker J, Martin BK, **Hirshon JM**. Marked elevation of cerebrospinal fluid white blood cell count: an unusual case of *Streptococcus pneumoniae* meningitis, differential diagnosis, and a brief review of current epidemiology and treatment recommendations. *J Emerg Med* 29(1):37-41, July 2005.
14. Burford AE, Ryan LM, Stone BJ, **Hirshon JM**, Klein BL. Drowning and near-drowning in children and adolescents: a succinct review for emergency physicians and nurses. *Pediatr Emerg Care* 21(9):610-616; quiz 617-619, September 2005.
15. Witting MD, Furuno JP, **Hirshon JM**, Krugman SD, Perisse AR, Limcangco MR. Support for emergency department screening for intimate partner violence depends on perceived risk. *J Interpers Violence* 21(5):585-596, May 2006.
16. **Hirshon JM**, Morris DM. Emergency medicine and the health of the public: the critical role of emergency departments in U.S. public health. *Emerg Med Clin North Am* 24(4):815-819, November 2006.
17. Varney S, **Hirshon JM**. Update on public health surveillance in emergency departments. *Emerg Med Clin North Am* 24(4):1035-1052, November 2006.
18. Nataro JP, Mai V, Johnson J, Blackwelder WC, Heimer R, Tirrell S, Edberg SC, Braden CR, Morris JG Jr, **Hirshon JM**. Diarrheagenic *E. coli* in Baltimore and New Haven. *Clin Infect Dis* 43(4):402-407, August 2006.
19. Rothman R, Irvin CB, Moran GJ, Sauer L, Bradshaw YS, Fry RB, Josephson EB, Ledyard HK, **Hirshon JM**. Respiratory hygiene in the emergency department. *Ann Emerg Med* 48(5):570-582, November 2006.
20. Jovel MB, Carter-Pokras O, Ho SM, **Hirshon JM**. Racial and ethnic variation in source of hospital admissions in Maryland. *J Assoc Acad Minor Phys*, Fall 2006.
21. Mai V, Braden CR, Heckendorf J, Pironis B, **Hirshon JM**. Monitoring of stool microbiota in subjects with diarrhea indicates distortions in its composition. *J Clin Micro*. 44(12):4550-4552, December 2006. Epub 2006 Oct 4.
22. Varney S, **Hirshon JM**, Dischinger P, Mackenzie C. Extending injury prevention methodology to chemical terrorism preparedness: The Haddon Matrix and sarin. *Am J Disaster Med* 1(1):18-27, November-December 2006.

Peer-Reviewed Journal Articles (continued)

23. Rothman R, Irvin CB, Moran GJ, Sauer L, Bradshaw YS, Fry RB, Josephson EB, Ledyard HK, **Hirshon JM**. Respiratory hygiene in the emergency department. *J Emerg Nurs* 33(2):119-134, April 2007.
24. **Hirshon JM**, Shardell M, Alles S, Powell JL, Squibb K, Ondov J, Blaisdell CJ. Elevated ambient air zinc increases pediatric asthma morbidity. *Environ Health Perspect* 116(6):826-831, June 2008.
25. Epstein SK, Burstein JL, Case RB, Gardner AF, Herman SH, **Hirshon JM**, Jermyn JW, et al. The National Report Card on the State of Emergency Medicine, 2009 Edition. *Ann Emerg Med* 53(1):4-148, January 2009.
26. Mareiniss DP, **Hirshon JM**, Thibodeau BC. Disaster Planning: Potential effects of an influenza pandemic on community health care resources. *Am J Disaster Med* 4(3):163-171, May-June 2009.
27. **Hirshon JM**, Warner M, Irvin CB, Niska RW, Andersen DA, Smith GS, McCaig LF. Research using emergency department data sets: current status and future directions. *Acad Emerg Med* 16(11):1103-1109, November 2009.
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51. **Hirshon JM**, Comer AC, Rosenberg JH, Johnson JK, Moore SL, MacKenzie TD, Hall KK, Furuno JP. Methodological Challenges Associated with Developing and Implementing Antibiograms in Nursing Homes in *Advances in the Prevention and Control of Healthcare-Associated Infections (HAI)* supplement to *Infect Control Hosp Epidemiol (In press)*

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55. Albrecht JS, Gruber-Baldini AL, **Hirshon JM**, Brown CH, Goldberg R, Rosenberg JH, Comer AC, Furuno JP. Depressive Symptoms and Hospital Readmission in Older Adults. *J Am Geriatr Soc*. 2014 Feb 10. [Epub ahead of print]
56. **Hirshon JM**, Alson RL, Blunk D, Brosnan DP, Epstein SK, Gardner AF, Lum DL, Moskovitz JB, Richardson LD, Stankus JL, Kivela PD, Wilkerson D, Price C, Bromley M, Calaway N, Geist M, Gore L, Singh C, Wheeler G. America's Emergency Care Environment, A State-by-State Report Card: 2014 Edition. *Ann Emerg Med*. 2014 Feb;63(2):100-243.

Journal Articles: Non-Refereed

1. **Hirshon JM**. Sweden: learning the humane way. *The New Physician* 29(5):23-24, July-August 1990.
2. Kirsch TD, O'Brien PM, Sanson TG, Collins KA, **Hirshon JM**, Jui J, Slobodkin D, Hendrickson RG, Williams DT. Emergency medicine's role in public health. In *The Future of Emergency Medicine*. Dallas, Texas: American College of Emergency Physicians, 1998.
3. Herrera LA, **Hirshon JM**. Toxicities of alternative therapies. *Critical Decisions in Emergency Medicine* 17(8):108, April 2003

Journal Issue

1. **Hirshon JM**, Morris DM, editors. Emergency Medicine and Public Health. *Emergency Medicine Clinics of North America*, Volume 24, Issue 4, November 2006.

Front Matter

1. **Hirshon JM**, Morris DM. Preface. *Emerg Med Clin North Am* 24(4):xvii-xvii, November 2006.

Web-Based Publications: Refereed

1. **Hirshon JM**. Octopus envenomation. *eMedicine Journal: Emergency Medicine* [serial online], 2001–2012. Updated June 4, 2013. Available at <http://emedicine.medscape.com/article/771002-overview>
2. **Hirshon JM**. Plant poisoning, herbs. *eMedicine Journal: Emergency Medicine* [serial online], 2001–2005.
3. Bessman ES, **Hirshon JM**. Herpes zoster oticus. *eMedicine Journal: Emergency Medicine* [serial online], 2001–2008.

Web-Based Publications: Refereed (continued)

4. Barrueto F Jr, **Hirshon JM**. Plant poisoning, herbs. *eMedicine Journal: Emergency Medicine* [serial online], 2006–2012. Updated October 09, 2013. Available at: <http://emedicine.medscape.com/article/817427-overview>.
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1. **Hirshon JM**, O'Brien PM, Jui J, Pollock DA, Pollack Jr CV, Talan DA. Injury & Disease Surveillance in Emergency Departments: Current Status and Future Directions. Subcommittee on Public Health Surveillance, Public Health Committee, American College of Emergency Physicians, 1999.
2. Auer N, Skiendzielewski, Schultz C, Brennan J, Larkin G, Pietrzak M, **Hirshon JM**, Johnson R, Dart RC, Henrichs C, Waeckerle J, Schulman R, Levinson R, Stopford B, Lubert S, VanAmringe M, Krohm er J, Michael J, Burstein JL, Murray R. Positioning America's Emergency Health Care System to Respond to Acts of Terrorism. Terrorism Response Task Force, American College of Emergency Physicians, 2002.

Book Chapters

1. Kirsch TD, Kivela P, **Hirshon JM**. Immunizations and public health services. In: Rosen RA, editor. *Managing to Get It Right: The ACEP User's Guide to Emergency Department Management*. Dallas: American College of Emergency Physicians; 1998.
2. **Hirshon JM**. Cardiopulmonary resuscitation in adults. In: Tintinalli JE, Kelen GD, Stapczynski JS, editors. *Study Guide 2000: Emergency Medicine, A Comprehensive Study Guide*, 5th edition. New York: McGraw-Hill; 1999.
3. **Hirshon JM**, VanRooyen MJ. Tropical medicine–parasitic diseases. In: VanRooyen MJ, Kirsch TD, Clem K, Holliman CJ, editors. *Field Medicine*. New York: McGraw-Hill, 2002.
4. **Hirshon JM**. Cardiopulmonary resuscitation in adults. In: Tintinalli JE, Kelen GD, Stapczynski JS, editors. *Emergency Medicine: A Comprehensive Study Guide*, 6th edition. New York: McGraw-Hill; 2003.
5. **Hirshon JM**, Moskovitz J. Public health. In: Harkin KE, Cushman JT, editors. *Emergency Medicine: The Medical Student Survival Guide*. Irving, Texas: Emergency Medicine Residents Association; 2007.
6. El Sayed M, **Hirshon JM**. EMS: health, safety and wellness issues. In Tintinalli JE, Holliman CJ, Cameron P editors. *EMS: A Practical Global Guidebook*. Shelton, Connecticut: People's Medical Publishing House of China, US Division; 2010.
7. Friedlander AD, **Hirshon JM**. Cardiopulmonary resuscitation in adults. In: Tintinalli JE, Cline D, Ma OJ, Cydulka R, Stapczynski JS, Meckler G, editors. *Emergency Medicine: A Comprehensive Study Guide*, 7th edition. New York: McGraw-Hill, 2012.

Abstracts

1. Schonfeld N, Schunk J, Amis M, **Hirshon J**. Predictive value of the differential leukocyte count in diarrheal illnesses of children. *Am J Dis Child* 144(4):420, April 1990.
2. **Hirshon JM**, Kirsch T, Mysko W, Dipre M, Kelen G. Effect of rotational patient assignment on emergency department length of stay. *Acad Emerg Med* 1(2):A10, March-April 1994.
3. McDiarmid M, Ryan MA, **Hirshon JM**, Montopoli M, Presson A. Tuberculosis in the workplace: OSHA's experience with inspection of health care facilities. *Infect Control Hosp Epidemiol* 15(12):765, December 1994.
4. **Hirshon JM**, Gorelick DA, Carriero NJ, Bowser L, Morrow CT, Atha WF. Characteristics of illegal drug users presenting to an urban hospital emergency department. 60th Annual Scientific Meeting, College on Problems of Drug Dependence, Scottsdale, Arizona. June 1998.
5. Gorelick DA, **Hirshon JM**, Carriero NJ, Bowser L, Morrow CT, Atha WF. Characteristics of marijuana users presenting to an urban hospital emergency department. International Cannabinoids Research Symposium Programme, France 1998.
6. Hasbrouck LM, Taliano J, **Hirshon JM**, Dannenberg AL. Trends in communication between epidemiology and clinical medicine, 1983–1999: a citation analysis. Congress of Epidemiology Program, Toronto, Canada. June 2001.
7. Nanda JP, Dambita N, **Hirshon JM**, Teisl J. Concordance between ICD-9 and ICD-10 coded death causes for Baltimore City, 1999. Annual Meeting, American Public Health Association, Chicago, Illinois October 2001.
8. Kuo D, **Hirshon JM**, Pimentel L. Compliance with mandatory syndromic surveillance using Emergency Department information systems. *Ann Emerg Med*, October 2002
9. Dambita N, **Hirshon JM**, Beilenson PL, Huffman J. The City of Baltimore's Multifaceted Bioterrorism Surveillance System. *J Urban Health: Bull NY Acad Med* 80(2 suppl 1):i139, June 2003.
10. **Hirshon JM**, Weiss SR, LoCasle R, Levine E, Blaisdell CJ. Looking beyond urban/rural differences: emergency department utilization by asthmatic children. *Annals of Emerg Med*. October 2003.
11. **Hirshon J**, Harris L, Heimer R, Heckendorf J, Meek J, Mai V, Bell S, Edberg S, Torpey D, Johnson J, Bopp C, Braden. Unexplained diarrhea sentinel surveillance. International Conference of Emerging Infectious Diseases, Atlanta, Georgia, 2004.
12. Jovel MB, Ho SM, **Hirshon JM**. Racial and ethnic variations in hospital admissions for the State of Maryland. *Acad Emerg Med* 11(5):458, May 2004.
13. Blake M, Chan CH, Gardner J, Kufera J, Larkin GL, **Hirshon JM**. Lifestyle behaviors contributing to ED crowding. American College of Emergency Physicians, Washington, DC, September 2005.
14. Ho D, Seebode S, Mackenzie CF, Brooks T, Handley C, **Hirshon JM**, Wasylyna PN, Johnson S. Real-time video review: data collection techniques to support situational awareness. American Telemedicine Association Meeting, Nashville, Tennessee, May 2007.
15. Khazan B, Sheer A, Santoro JE, **Hirshon JM**, Gorelick DA. Resource utilization by drug users presenting to an emergency department (ED). The College on Problems of Drug Dependence, San Juan, Puerto Rico, June 2008.

Abstracts (continued)

16. Sheer A, Santoro JE, **Hirshon JM**, Gorelick DA. Comorbidity among drug users presenting to an emergency department. The College on Problems of Drug Dependence, San Juan, Puerto Rico, June 2008.
17. Albrecht, J.S. Hirshon J.M., Goldberg R., Langenberg P, Day H.R., Morgan D.J., Comer, A.C., Harris A.D., and Furuno J.P. 2010. Severe Mental Illness and Hospital Readmission in Diabetic Adults. Abstract for poster presentation. The 3rd North American Congress of Epidemiology 2011, Montreal, Canada
18. Albrecht J.S., Gruber-Baldini A.L., Hirshon J.M., Brown C.H., Goldberg R, Rosenberg J.H., Comer A.C., Furuno J.P., Depressive Symptoms and Non-Adherence to Discharge Instructions among Older Adults. Academy Health's Annual Research Meeting, Baltimore, MD, June 2013
19. Albrecht J.S., Gruber-Baldini A.L., Hirshon J.M., Brown C.H., Goldberg R, Rosenberg J.H., Comer A.C., Furuno J.P., Depressive Symptoms and 30-Day Hospital Readmission among Older Adults. Academy Health's Annual Research Meeting, Baltimore, MD, June 2013

Letters to the Editor

1. **Hirshon JM**, Wilson PD. The negative binomial process and arrests for drug use. *Am J Public Health* 93(6):858 [author reply 858-859], June 2003.
2. Furuno JP, Maguire JH, Green HP, Johnson JA, Heimer R, Johnston SP, Braden CR, Edberg SC, Bell S, **Hirshon JM**. Clinical utility of multiple stool ova and parasite examinations in low prevalence patient populations. *Clin Infect Dis* 15:43(6):795-796, September 2006.
3. **Hirshon JM**. Doctors in the house. *The Baltimore Magazine*, December 2006, pp 34-36.
4. Carlson LC, **Hirshon JM**, Calvello EJ, Pollak AN. Operative care after the Haiti 2010 earthquake: implications for post-disaster definitive care. *Am J Emerg Med*. 2013 Feb;31(2):429-31 Epub 2012 Nov 28

Major Invited Speeches

Local

1. "Healthy People 2010: What Is It and How Can It Impact You?" Emergency Medicine Ground Rounds, Johns Hopkins Hospital, Baltimore, Maryland, May 1998.
2. "Evidenced-Based Medicine: What Is It And Why Is It Important?" Emergency Medicine Grand Rounds, University of Maryland School of Medicine, Baltimore, Maryland, December, 2001.
3. "Looking Beyond Urban/Rural Differences: Emergency Department Utilization by Asthmatic Children." Pediatric Grand Rounds, University of Maryland School of Medicine, Baltimore, Maryland, September 25, 2003.
4. "Emergency Medicine and the Health of the Public." Emergency Medicine Lecture, University of Maryland School of Medicine, Baltimore, Maryland, July 2004.
5. "Institutional Review Board: Overview & Minimal Risk Research." Emergency Medicine Lecture, University of Maryland School of Medicine, Baltimore, Maryland, October, 2004.
6. "Trauma and Infectious Diseases: In-service Review." Emergency Medicine Lecture, University of Maryland School of Medicine, Baltimore, Maryland, November, 2004.

Local (cont.)

7. “Developing Emergency and Trauma Care Globally: Injury Research Training in Egypt and the Middle East” National Study Center for Trauma and Emergency Medical Services Injury Prevention and Trauma Response Research Seminar. University of Maryland, Baltimore. March 20, 2012
8. Interdisciplinary Panel- Global Health Conference, University of Maryland, Baltimore. April 20th, 2012
9. “Introduction to Disaster Preparedness”. Emergency Medicine Grand Rounds, University of Maryland School of Medicine, Baltimore, Maryland. April 25th, 2012
10. Challenges in Delivering EMS and Trauma Care in Low and Middle Income Countries: Experiences from Egypt. Johns Hopkins Bloomberg School of Public Health. Baltimore, Maryland May 9th, 2012.
11. Introduction to Research- Resident Research Day. Emergency Medicine Grand Rounds. Baltimore, Maryland. September 19, 2012
12. “Developing Emergency and Trauma Care Globally: Injury Research Training in Egypt and the Middle East” Pharmacy Health Services Research Seminar, University of Maryland, School of Pharmacy. February 11, 2013
13. Getting Your Protocols Through the IRB. Faculty Educational Series through the Office of Research Career Development, University of Maryland School of Medicine. Baltimore, Maryland. June 4, 2013
14. Killer Viruses: Flu, SARS and MERSCoV. Emergency Medicine Grand Rounds, University of Maryland School of Medicine, Baltimore, Maryland. July 31, 2013
15. Introduction to Research- Resident Research Day. Emergency Medicine Grand Rounds. Baltimore, Maryland. September 4, 2013
16. Getting Your Protocols Through the IRB. Faculty Educational Series through the Office of Research Career Development, University of Maryland School of Medicine. Baltimore, Maryland. Scheduled February 27, 2014

State/Regional

1. “Developing an Asthma Surveillance System Based on Emergency Department Data.” Regional Asthma Surveillance System, Working Meeting, Co-sponsored by US Environmental Protection Agency, US Department of Health and Human Services Region III Asthma Initiative, The Pew Environmental Health Commission, Baltimore, Maryland, September 19, 2000.
2. “Bioterrorism Ahead: Responding to Bioterrorism.” Panel Moderator, Annual Education Conference, Maryland Chapter of the American College of Emergency Physicians, Baltimore, Maryland, April 2002.
3. “Biohazards Ahead: Help Get Your Emergency Department Ready.” Annual Meeting, Maryland State Council of the Emergency Nurses Association, St. Michaels, Maryland May 2002.
4. “Bioterrorism and Epidemiology: Questions, Methods and Outcomes 2”, Session Moderator, American Public Health Association’s Annual Meeting, November, 2004, Washington, D.C.
5. “Syndromic Surveillance: Moving Forward.” Session Moderator, Annual Meeting, American Public Health Association, Washington, DC, November 2004.

State/Regional (continued)

6. "Update on Bioterrorism: Where We Are Today. Emergency Preparedness and You." Laurel Regional Hospital, Laurel, Maryland, November 2004.
7. "Hot Topics: Above and Beyond Clinical Issues." Panel discussion, Maryland Chapter, American College of Emergency Physicians, Columbia, Maryland, April 2006.
8. "Injury Prevention: A Global Perspective and Blast Mechanism of Injury." Emergency Medicine Grand Rounds, Georgetown University/Washington Hospital Center, Washington, DC, January 22, 2009.
9. "Regionalization of Emergency Care: The Good, The Bad & The Ugly." Emergency Medicine Ground Rounds, Beth Israel Medical Center, Boston, Massachusetts, November 11, 2009.
10. "Disaster Preparedness Training in Cross Cultural Settings: Lessons Learned." University of Pennsylvania, Philadelphia, Pennsylvania, September 13, 2010.
11. "Developing Emergency and Trauma Care Globally: Injury Research Training in Egypt and the Middle East". Yale Emergency Medicine Grand Rounds, New Haven Connecticut, June 27, 2012.
12. Disaster Medicine Development: Lessons Learned in Cross Cultural Settings. 9th Annual New York Symposium on International Emergency Medicine. New York, New York. August 22, 2012
13. Developing Emergency and Trauma Care Globally: Emergency Medicine Residency in Tanzania. 9th Annual New York Symposium on International Emergency Medicine. New York, New York. August 22, 2012
14. Developing Emergency and Trauma Care Globally: Acute Care Research & Training in Egypt and the Middle East. 10th Annual New York Symposium on International Emergency Medicine. New York, New York. August 7, 2013

National

1. "Bioterrorism and Epidemiology: Questions, Methods and Outcomes." Session Moderator, Annual Meeting, American Public Health Association, Philadelphia, Pennsylvania, November 2002.
2. "Developing Public Health Surveillance Based on Emergency Department Visits." Session Moderator, Annual Meeting, American Public Health Association, Philadelphia, Pennsylvania, November 2002.
3. Health Care Professionals Panel, Committee on Smallpox Vaccination Program Implementation, Institute of Medicine, Washington, DC, November 6, 2003.
4. "Bioterrorism and Epidemiology: Questions, Methods and Outcomes." Session Moderator, Annual Meeting, American Public Health Association, San Francisco, California, November 2003.
5. "Chapter Committee Chairs." Legislative and Advocacy Meeting, American College of Emergency Physicians, Washington, DC, April 2005.
6. "International Emergency Preparedness and Response: Research and Training Program: Report to Fogarty International Center on Iraq Supplement Pilot Training Activities." John E. Fogarty International Center, National Institutes of Health, Bethesda, Maryland November 2005.
7. "Syndromic Surveillance and Bioterrorism." Session Moderator, Annual Meeting, American Public Health Association, Philadelphia, Pennsylvania, December 2005.

National (continued)

8. "Influenza Prevention and Control in the Twenty first Century: Influenza's Impact on Emergency Departments—Are We Really Prepared?" Annual Meeting, American Public Health Association, Philadelphia, Pennsylvania, December 2005.
9. "Institutional Review Board: Overview and Minimal Risk Research." Annual Meeting, Society for Academic Emergency Medicine, San Francisco, California, May 2006.
10. "Chapter Committee Chairs." Legislative and Advocacy Meeting, American College of Emergency Physicians, Washington, DC, May 2006.
11. "Translating Public Health Research into Public Policy: How Congressional Staffers Translate Research for Public Policy Makers." Annual Meeting, American Public Health Association, Washington, DC, November 2007.
12. "Disaster Preparedness: The Next Influenza Pandemic is Coming—Are You Ready?" Annual Meeting, American College of Legal Medicine, Houston, Texas, March 2008.
13. "Gastrointestinal Pathogens in Patients with AGI and Controls from Maryland, Connecticut, and Minnesota." EPA Symposium on Groundwater-Borne Infectious Disease, Etiologic Agents and Indicators. Washington, DC, December 2-4, 2008.
14. Global Emergency Medicine Research Panel, Global Emergency Medicine Academy, Society for Academic Emergency Medicine, May 12, 2012

International

1. "Current Status of Surveillance in Jamaica." 1995 Annual Epidemiology Workshop, Trelawny Beach, Jamaica, May 1995.
2. "Injury Prevention Research Training in Egypt: Plans for the NIH Fogarty Grant Application." National Hepatology and Tropical Medicine Research Institute, University of Maryland School of Medicine Medical Research Conference, 7th Annual Meeting. Cairo, Egypt, March 2005.
3. "Creating an Effective Human Research Protection Program." 10th International Nursing Conference, Faculty of Nursing, Ain Shams University, Cairo, Egypt, November 21, 2009.
4. "Disaster Preparedness Training in Cross Cultural Settings: Lessons Learned." Disaster Medicine Pre-Conference Workshop, Emergency Medicine Society of South Africa Conference. Cape Town, South Africa, November 22, 2009.
5. "Injury Prevention in Disasters." Emergency Medicine Society of South Africa Conference, Cape Town, South Africa, November 23, 2009.
6. Abdominal and Thoracic Trauma Resident Lectures, delivered via the internet, to the Emergency Medicine Residents at Muhimbili University in Dar es Salaam, Tanzania. June 16th, 2011
7. "STEPS: Sequential Trauma Educational Programs. Creating Trauma Training in Developing Countries" Emergency Medicine Society of South Africa Conference, Cape Town, South Africa, November 16, 2011
8. "Development of Emergency Medicine in Egypt" Emergency Medicine Society of South Africa Conference, Cape Town, South Africa, November 16, 2011
9. "Developing Emergency and Trauma Care Globally: Injury Research Training in Egypt and the Middle East". University of Maryland-University of Cape Town/Stellenbosch University Emergency Medicine Ground Rounds. Delivered via the internet. April 4, 2012

International (continued)

10. “Developing Emergency and Trauma Care Globally: Injury Research Training in Egypt and the Middle East”. Occupational Injuries in Arab Countries Conference. Cairo, Egypt. June 24-25, 2012
11. Trauma Jeopardy, Internet Based Lecture. University of Maryland-University of Cape Town/Stellenbosch University Emergency Medicine Ground Rounds. February 6, 2013
12. To Fly or Not To Fly- That is the Question. Aeromedical Transport: What Does the Evidence Show? Emergency Medicine Society of South Africa Conference, Cape Town, South Africa. Scheduled November 6, 2013
13. Pre-hospital strategies in dealing with infectious disease (non-HIV). Emergency Medicine Society of South Africa Conference, Cape Town, South Africa. Scheduled November 7, 2013
14. ““Developing Emergency and Trauma Care Globally: Injury Research Training in Egypt and the Middle East””. Jazan University, Kingdom of Saudi Arabia, January 30, 2014
15. “Putting Together a Winning Research Proposal”. Suez Canal University, Egypt. February 1, 2014

Proffered Communications

Abstracts

1. “The Rotational Assignment of Patients to Physicians Improves ED Patient Flow.” Society for Academic Emergency Medicine, Washington, DC, May 1994.
2. “Development of an Emergency Department Based Public Health Surveillance System.” Partnerships for Health in the New Millennium: Launching Healthy People 2010, Washington, DC, January 27, 2000.
3. “Concordance Between ICD-9 and ICD-10 Coded Death Causes for Baltimore City, 1999.” Atlanta, Georgia, American Public Health Association Annual, October 24, 2001.
4. “Compliance with Mandatory Syndromic Surveillance Using Emergency Department Information Systems.” Scientific Assembly, American College of Emergency Physicians, Seattle, Washington, October 2002.
5. “Looking Beyond Urban/Rural Differences: Emergency Department Utilization by Asthmatic Children.” Scientific Assembly, American College of Emergency Physicians, Boston, Massachusetts, October 2003.
6. “Unexplained Diarrhea Sentinel Surveillance,” International Conference of Emerging Infectious Diseases, Atlanta, Georgia, March 2, 2004.