

# CURRICULUM VITAE

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Germantown, Maryland 20874

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**CITIZENSHIP:** U.S. Citizen

## **EDUCATIONAL EXPERIENCE:**

1972-1976 **University of Notre Dame**  
Notre Dame, Indiana  
Bachelor of Science  
Major: Pre-professional Studies  
Honors: Magna Cum Laude

1976-1980 **University of Pittsburgh**  
School of Medicine  
Pittsburgh, Pennsylvania  
Doctor of Medicine

## **POSTGRADUATE TRAINING:**

1980-1983 **Family Practice Residency (PGY I-III)**  
University of Connecticut  
School of Medicine

1984-1986 **Emergency Medicine Residency (PGY IV-V)**  
Bronx Municipal Hospital Center/Albert  
Einstein College of Medicine

## **EMPLOYMENT:**

1982-1983 **Pediatric Night Coverage**  
St. Francis Hospital  
Hartford, Connecticut

1983-1984 **Emergency Department Physician**  
Valley Regional Hospital  
Claremont, New Hampshire

1978-1986	<b>Medicolegal Research</b> Barbera and Barbera, Attorneys-at-Law Somerset, Pennsylvania
1986-1987	<b>Attending Physician</b> Emergency Department Latrobe Area Hospital Latrobe, Pennsylvania
1987-1988	<b>Attending Physician</b> Emergency Department Conemaugh Valley Memorial Hospital Johnstown, Pennsylvania
9/88-6/93	<b>Attending Physician</b> Department of Emergency Medicine Bronx Municipal Hospital Center/Albert Einstein College of Medicine Bronx, New York
9/88-6/93	<b>Attending Physician</b> Hyperbaric Medicine Bronx Municipal Hospital Center Bronx, New York
11/91-6/93	<b>Assistant Professor</b> Division of Emergency Medicine Department of Epidemiology & Social Medicine Albert Einstein College of Medicine Bronx, New York
7/93-3/03	<b>Attending Physician</b> Department of Emergency Medicine The George Washington University Hospital Washington, DC
1993-1999	<b>Assistant Professor of Emergency Medicine</b> Department of Emergency Medicine The School of Medicine The George Washington University
1999-Present	<b>Clinical Associate Professor of Emergency Medicine</b> Department of Emergency Medicine The School of Medicine The George Washington University
1999-Present	<b>Associate Professor of Engineering Management</b> Department of Engineering Management and Systems Engineering School of Engineering and Applied Science The George Washington University
1993-1999	<b>Director, Disaster Medicine Programs</b> The Ronald Reagan Institute of Emergency Medicine The George Washington University Washington, D.C.

1994-Present	<b>Co-Director, Institute for Crisis, Disaster, and Risk Management</b> The George Washington University Washington, D.C.
1993-1999	<b>Founder and Co-Director, National Capital EMS &amp; Disaster Medicine Fellowship</b> The George Washington University
1986-2009	<b>Physician Commander</b> Special Medical Response Team New Florence, Pennsylvania
1999-2003	<b>Medical Control Physician</b> Special Response Teams, U.S. Customs Service U.S. Department of Treasury
1999-2003	<b>Medical Director</b> Patient Advocacy Program, U.S. Customs Service U.S. Department of Treasury
2003-2004	<b>Medical Emergency Management Consulting (IPA Agreement)</b> Office of the Assistant Secretary for Public Health Emergency Preparedness U.S. Department of Health and Human Services
2000-Present	<b>Healthcare Emergency Management Consultation</b> Consultation services on a wide variety of emergency management and disaster medicine projects

**PROFESSIONAL CERTIFICATIONS & LICENSES:**

1983-1994	Advanced Cardiac Life Support (ACLS)
1983-1992	Advanced Trauma Life Support (ATLS)
1990-1994	Pediatric Advanced Life Support (PALS)
July, 1983	Board Certified, American Board of Family Practice
July, 1990	Board Re-Certified, American Board of Family Practice
Nov., 1987	Board Certified, American Board of Emergency Medicine
Oct., 1997, 2007	Board Re-Certified, American Board of Emergency Medicine
1982-1983	Connecticut State Medical Licensure
1983-1984	New Hampshire State Medical Licensure
1986-1994	New York State Medical Licensure
1986-2003	Pennsylvania State Medical Licensure
1993-Present	Virginia State Medical Licensure
1993-2005	District of Columbia Medical Licensure

**HONORS:**

1994-1996	ACEP Representative, Federal Advisory Committee for the FEMA National Urban Search & Rescue System Federal Emergency Management Agency
9/96	Delegate, U.S./Japan Earthquake Policy Symposium

National Academy of Sciences  
Washington, D.C.

- 3/96 Certificate of Appreciation  
Frank E. Young, MD, Director, Office of Emergency Preparedness,  
U.S. Public Health Service  
For outstanding effort in development and management of 1996 NDMS  
Conference
- 5/97 Certificate of Appreciation  
Robert F. Knouss, MD, Director, Office of Emergency Preparedness,  
U.S. Public Health Service  
For outstanding effort in development and management of 1997 NDMS  
Conference
- 9/16/97 Certificate of Appreciation  
Mayor Marion Barry, District of Columbia  
For development of the GWUH Medical Response ("Go") Team
- 4/98 Certificate of Outstanding Achievement  
Robert F. Knouss, MD, Director, Office of Emergency Preparedness,  
U.S. Public Health Service  
For outstanding effort in development and management of 1998 NDMS  
Conference
- 11/98 Distinguished Service Award  
District of Columbia Hospital Association  
For development of the hospital mutual aid system and contributions to improving  
disaster preparedness in the District of Columbia
- 4/99 Certificate of Appreciation  
Frederic Krug, Director, NATO Office of Security  
For "exceptional service in support of the NATO Summit in Washington, DC ...  
April 23-25, 1999"
- 2/00 Silver Medal of Valor  
Fairfax County Chamber of Commerce  
For "acts involving great personal risk which are above and beyond the call of  
duty" during search & rescue of a victim in the 1999 Taiwan earthquake.
- 4/00, 4/01 & 4/02 Certificates of Outstanding Achievement  
Robert F. Knouss, MD, Director, Office of Emergency Preparedness,  
U.S. Public Health Service  
For outstanding effort in development and management of 2000-2002 NDMS  
Conference
- 4/03 Certificates of Outstanding Achievement  
Kevin Yeskey, MD, Director, Office of Emergency Response,  
Department of Homeland Security  
For outstanding effort in development and management of 2003 NDMS  
Conference
- 5/13 Award of Appreciation for "outstanding dedication and leadership to the Medical  
Special Operations Community". FEMA National Urban Search & Rescue  
System.

**ADMINISTRATIVE DUTIES & UNIVERSITY ACTIVITIES:**

9/88-7/91 Quality Assurance Coordinator

	Emergency Department Bronx Municipal Hospital Center Bronx, New York
9/88-6/93	Risk Management Coordinator Emergency Department Bronx Municipal Hospital Center Bronx, New York
7/89-6/93	Medical Director, Disaster Committee Bronx Municipal Hospital Center
7/90-6/93	Member, Physician Profiling Subcommittee Medical Executive Committee Bronx Municipal Hospital Center
8/93-8/94	Member, Hospital Disaster Committee The George Washington University Hospital
9/94-10/98	Chairman, Hospital Disaster Committee The George Washington University Hospital
1996-1997	Member, Search Committee (Chairman, EMS Degree Program) The George Washington University
1998-1999	Member, Medical Faculty Associates Productivity Committee Medical Faculty Associates School of Medicine
10/98-2002	Member, Hospital Emergency Management (Disaster) Committee The George Washington University Hospital
2000-2007 2011-present	Curriculum Committee Crisis, Emergency and Risk Management Focus Area Department of Engineering Management & Systems Engineering The George Washington University
2003-2009	Member, GWU Homeland Security Faculty Council The George Washington University
11/03-2004	Member, Faculty Search Committee Engineering Management & Systems Engineering The George Washington University
2007-present	Co-Chair, Curriculum Committee, Crisis and Emergency Management Focus Area Department of Engineering Management and Systems Engineering The George Washington University
2009-2012	Member, Research Awards Committee School of Engineering and Applied Science The George Washington University

### **ADMINISTRATIVE ACHIEVEMENTS:**

- 1988-1989            Development and implementation of Quality Management Program  
Emergency Department  
Bronx Municipal Hospital Center
- 1991-1993            Complete revision of Hospital Disaster Plan  
Bronx Municipal Hospital Center
- 1994                    Founding Co-Director, The George Washington University Institute for Crisis,  
Disaster, and Risk Management
- 1994-1998            Complete revision of Hospital External Disaster Plan  
Development of Hospital Internal Disaster Plan  
Implementation of Hospital Hazardous Materials Response Plan  
Development & implementation of Plan for Care of High-Level Protectees  
(President/Vice-President Medical Contingency Plan)  
The George Washington University Hospital
- 1995-1996            Hospital Mutual Aid System  
Led the development and implementation of the first comprehensive hospital  
mutual aid agreement among all the hospitals in the District of Columbia. First  
jurisdiction in the United States to achieve this level of emergency preparedness.  
Included a Communications and Hospital Mutual Aid Radio System (HMARS)  
among D.C. hospitals for use in disaster events. Established monthly committee  
meetings with multiple subcommittees.  
The District of Columbia Hospital Association (DCHA)
- 1998- present        The George Washington University Masters, Doctoral, and Graduate Certificate  
Programs in Crisis, Risk and Emergency Management. Key participant in the  
implementation of this first doctoral program in Crisis & Emergency Management  
in the United States
- 2004                    Co-producer of the First Regional EMS Forum – National Capitol Area, with strong  
participation from key personnel across the region

### **EDUCATIONAL ACHIEVEMENTS:**

#### *GW University courses:*

- 1993-2002            Emergency Medicine Morning Conference Lecture Series (medical students,  
resident physicians)
- 1994-1998            Guest Lecturer, EMS Undergraduate Degree Program
- 1994-1998            Guest Lecturer, Annual Disaster Response Planning and Management  
Conference  
GWU EMS Degree Program
- 1997-1999            Guest Lecturer, Current Issues in Emergency and Crisis Management  
(EMSE 238 Masters Program)  
School of Engineering and Applied Science, Dept of Engineering Management
- 1999-2000            Faculty, Crisis and Emergency Management (EMSE 232)
- 2000-Present        Creator & Lead faculty, Medical and Public Health Emergency Management  
(formerly EMSE 239 now EMSE 6325)

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|---------------|-----------------------------------------------------------------------------------------------------------------------|
| 2000-Present  | Creator & Lead faculty, The Management of Mass Terrorism, Preparedness and Response (formerly EMSE 240 now EMSE 6330) |
| 2012- Present | Lead faculty and complete revision of International Disaster Management (EMSE 6320)                                   |
| 2012-Present  | Guest lecturer, Introduction to Emergency Management (EMSE 6305)                                                      |

*GWU Emergency Medicine Grand Rounds:*

- |           |                                                                                                                |
|-----------|----------------------------------------------------------------------------------------------------------------|
| 1994-1999 | Annual presentations<br>Emergency Medicine Grand Rounds<br>George Washington University                        |
| 10/95     | Oklahoma City Bombing Response: GWU Role<br>Medical Alumnus Weekend Grand Rounds Lecture<br>School of Medicine |
| 11/04     | Rhabdomyolysis<br>Emergency Medicine Grand Rounds<br>George Washington University                              |

*Visiting Emergency Medicine Grand Rounds Lecturer:*

- |      |                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------|
| 5/95 | Emergency Medicine Residency Program<br>Albert Einstein College of Medicine<br>Bronx Municipal Hospital Center<br>Bronx, NY |
| 6/97 | Emergency Medicine Residency Program<br>The Johns Hopkins University<br>Baltimore, MD                                       |
| 3/98 | Emergency Medicine Residency Program<br>Cook County Hospital<br>Chicago, IL                                                 |
| 2/98 | Emergency Medicine Residency Program<br>University of Medicine and Dentistry of New Jersey<br>Cooper Hospital<br>Camden, NJ |
| 6/98 | Pediatric Emergency Medicine Fellowship Program<br>Children's National Medical Center<br>Washington, DC                     |
| 1/03 | Emergency Medicine Residency Program<br>Loma Linda University<br>Loma Linda, CA                                             |

*New Educational Programs:*

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| 1990-1991 | Primary Author: Urban Search & Rescue Medical Team Training Course<br>("Gold Standard" four-day curriculum taught to all physicians and paramedics participating in the FEMA National Urban Search & Rescue System) |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

May, 1991	Course Director and Primary Instructor Collapsed Structure Medical Training Pilot Course Federal Emergency Management Agency, Phoenix, Arizona
1994	Established the National Capital EMS and Disaster Medicine Fellowship (Two-year post-residency training for Emergency Physicians)
4/96	Course Director and Lead Faculty Collapsed Structure medical care training course (four day course) Oklahoma City, Oklahoma
5/97	Course Director and Lead Faculty, Urban Search & Rescue Pre-conference Track Director, Medical Response Track of Conference National Conference on Lifesaving Intervention National Disaster Medical System Tampa, Florida
3/98	Course Director and Lead Faculty, Urban search & Rescue Pre-conference National Conference on Lifesaving Intervention National Disaster Medical System Tampa, Florida
4/98	Conference Director and one hour lecture Disaster Realities for 1998: Are you Prepared? District of Columbia Hospital Association Educational Series Washington, D.C.
5/99	Course Director and Lead Faculty, Urban Search & Rescue Pre-conference National Conference on Lifesaving Intervention National Disaster Medical System Washington, DC
1999-Present	Co-established the GWU Crisis and Emergency Management Forum, equivalent to medical "grand rounds" but for Crisis and Emergency Management students and Washington DC area professionals
10/03-7/06	Course Medical Director and Lead Faculty Collapsed-Structure Medical Response Training Course U.S. Army Reserve Medical Training Fort Dix, New Jersey

*Primary Advisor to:*

1993-1995	Anthony Macintyre, MD (EM resident/chief resident)
1994-1994	Dan Hanfling, MD (EM resident)
1996-1998	Scott Weir, MD (EM resident)
1994-1995	John Michael, MD (EMS & Disaster Med Fellow)
1995-1997	David Jaslow, MD, MPH (EMS & Disaster Med Fellow)
1998-1999	Robert French, MD (EMS & Disaster Med Fellow)
2002-2009	Valerie Seefried, DSc (Eng Management Doctoral Program graduate)
2007-2011	Sergio de Cosmo, DSc (Eng Management Doctoral Program graduate)
2002-2012	Lt COL Jeffrey Miller, DSc (Eng Management Doctoral Program graduate)
2009-2012	Jeffrey Glick, DSc (Eng Management Doctoral Program graduate)
1999-present	multiple masters and graduate certificate students



*International Visiting Scholars and Tutorials:*

9/1/94 - 1/4/95	Dr. Marina Krivenkaya Odessa, Ukraine Pediatric Emergency Medicine
8/15/98-12/10/98	Fuh-Yuan Shih, MD National Taiwan University Taipei, Taiwan Disaster Medicine
11/1/06-11/30/06	Hasan Odabasioglu,MD Izmir, Turkey Medical Emergency Management & Disaster Medicine
1/2/09-8/24/09	Chih-Hao Lin, MD National Cheng-Kung University Hospital Tainan City, Taiwan Healthcare Emergency Management and Disaster Medicine
8/25/10-8/31/11	Nobuaki Kiri, MD Tokyo Disaster Medical Center Tachikawa, Japan Healthcare Emergency Management and Disaster Medicine
6/10/12-9/12/12	Dilek Özceylan Aubrecht Sakarya University Department of Management Information Systems Sakarya – Turkey

*Educational Awards:*

June, 1997	Emergency Medicine Residency Teaching Award Emergency Medicine Residency Program The George Washington University
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**CONSULTANT APPOINTMENTS:**

1988-Present	Medical Officer Office of U.S. Foreign Disaster Assistance, Agency for International Development U.S. Dept. of State International Search & Rescue Team
7/90	Medical Unit Leader, Disaster Assistance Response team Office of U.S. Foreign Disaster Assistance Earthquake Response - Baguio City, Philippines
1990-1998	Medical Criteria Working Group Leader Federal Emergency Management Agency Urban Search & Rescue Task Force
1991-1998	Technical Review Committee Member Federal Emergency Management Agency Urban Search & Rescue Response System

1998-2005	Member, Medical Working Group Federal Emergency Management Agency Urban Search & Rescue Response System
1991-1997	Training Committee Member Federal Emergency Management Agency Urban Search & Rescue Response System
1/94	Federal Emergency Management Agency Technical Support Team Northridge (California) Earthquake Response Los Angeles, California
11/11-15/93 2/23-27/94 5/11-15/94 4/16-20/97 1/19-25/99	FEMA Urban Search & Rescue Medical Team Training Course Course Medical Director and Primary Instructor Primary Sponsor: The Federal Emergency Management Agency
1991-1993	NDMS Medical Response Steering Committee Member Disaster Medical Assistance Teams (DMAT) National Disaster Medical System
1992-1994	National Fire Protection Association Committee on Fire Service Training Sub-Committee on Urban Search and Rescue
1994-2003	Federal Emergency Management Agency Urban Search & Rescue Program Disaster Medicine Consultation
1994-2003	NDMS National Conference Planning Committee National Disaster Medical System (The primary Federal conference for disaster medicine in the U.S.)
1994-1995	Disaster '95 International Disaster Management Conference Planning Committee Florida American College of Emergency Physicians
6/95-5/02	Founder and Chair, Emergency Preparedness Committee District of Columbia Hospital Association Washington, D.C.
7/96-11/01	Exercise Director, Annual Inter-Hospital Disaster Drill District of Columbia Hospital Association Washington, D.C.
2/96	Disaster Medicine Consultation Exxon International
1996	Incident Support Team Federal Emergency Management Agency Urban Search & Rescue Olympics Stand-by Event Olympics Contingency Planning
6/95-2003	Advisor, Office of the Attending Physician, United States Capitol Washington, D.C.
9/96-1/97 10/00-1/01	Special Advisor, Congressional Inauguration Committee, United States Capitol

Washington, D.C.

1996-2000 National Association for Search and Rescue  
Disaster Medicine Consultation

9/98 Briefing and GWUH Decontamination Facility Tour  
Donna Shalala (Secretary, Dept of Health and Human Services)  
David Satcher (Surgeon General)  
Washington, DC

9/98-4/99 Medical Contingency Planning  
Venue Medical Care (for delegates and support personnel)  
NATO 50<sup>th</sup> Anniversary Summit Meetings  
Department of State, U.S. Government  
Washington, DC

9/99 Medical Officer, International Search & Rescue Advance Team  
Taiwan Earthquake response  
USAID/Office of Foreign Disaster Assistance  
Tou-Liu, Taiwan

11/99-2003 Member, Executive Session on Domestic Preparedness  
John F. Kennedy School of Government  
Harvard University  
Cambridge, MA

3/00 Member, Invitational Forum on Hospital Preparedness for Mass Casualties  
The American Hospital Association  
Chicago, IL

3/00-2003 Member, Mass Personnel Decontamination Ad Hoc Working Group  
Technical Support Working Group  
The U.S. Department of State  
Arlington, VA

5/00 Development Consultant and Medical Controller, TOPOFF (Federal Biological  
Terrorism Exercise) U.S. Department of Justice/Research Planning Incorporated  
Denver, CO

6/00-Present Member FEMA Urban Search & Rescue Incident Support Team  
Federal Emergency Management Agency  
Washington, DC

6/00-12/00 Member, Task Force on Chemical, Biological, Radiological, Nuclear Terrorism  
Center for Strategic & International Studies  
Washington, DC

7/00 Invited Attendee, Planning for Bioterrorism: Behavioral and Mental Health  
Responses to Weapons of Mass Destruction and Mass Disruption  
Center for the Study of Traumatic Stress  
Uniformed Services University of the Health Sciences  
Bethesda, MD

8/00-11/00 Member, State and Local Advisory Group to the National Domestic (Terrorism)  
Preparedness Office (Federal Advisory Committee)  
Facilitator, Medical and Public Health Sub-Committee  
Department of Justice/Office of the Attorney General  
Washington, DC

10/19-21/01	Invited Participant, Planning for Biological Events: Response to Terrorism and Contagious Outbreaks Center for the Study of Traumatic Stress Uniformed Services University of the Health Sciences Bethesda, MD
12/00-4/02	Member, Committee to Evaluate the Metropolitan Medical response System National Academies of Science/Institute of Medicine Washington, DC
5/01- 5/02	Visiting Scientist, National Emergency Response Architecture Program Defense Threat Reduction Agency Department of Defense Fort Belvoir, Virginia
11/29/01	U.S. Senate Testimony Committee on Appropriations Subcommittee on Labor, Health and Human Services, Education and Related Agencies (Chairman Senator Tom Harkins) Special Hearing on Bioterrorism - testimony available at: <a href="http://appropriations.senate.gov/releases/record.cfm?id=179764">http://appropriations.senate.gov/releases/record.cfm?id=179764</a> Dirksen Senate Office Building, Washington, DC
12/01-2003	Member, Emergency Preparedness Roundtable Joint Commission on Accreditation of Healthcare Organizations Washington, DC
6/02-present	Consultant on hospital emergency management Sibley Memorial Hospital Washington, DC
7/24/02	Member, discussion group (national security, medical and public health experts) Biodefense Strategies in the Context of Contagious Disease: Smallpox Vaccination and Quarantine Strategies The Johns Hopkins Center for Biodefense Strategies Alexandria, VA
9/02-present	Editorial Board member Biosecurity and Bioterrorism: Biodefense Strategy, Practice, and Science Journal Baltimore, MD
10/02-2005	Member, Mayor's Hospital Bioterrorism Preparedness Planning Advisory Committee Washington, DC
11/02-2006	Clinical Leader Clinicians' Biodefense Network Johns Hopkins Center for Biodefense Strategies Baltimore, MD
10/02-2006	Member, Arlington County MMRS Development Team/Steering Committee Arlington, Virginia
3/03-2004	Consultant Linkages in Emergency Preparedness [Hospitals] Project (AHRQ funded) Joint Commission for Healthcare Organizations (JCAHO) Chicago, IL

7/03-10/03      Emergency Management Consultant and Tabletop Exercise Development  
American University  
Washington, DC

9/03-2010      Editorial Board member  
Journal of Homeland Security and Emergency Management  
Washington, DC

10/03-9/06      Course Medical director & Lead Presenter  
Collapsed Structure Medical Response Training Course (for U.S. Army Reserve  
medical personnel)  
Logistics Health Incorporated  
Fort Dix, NJ

1/6-7/04      Participant, CDC Public Health Emergency Response Guide Consultancy Forum  
The centers for Disease Control and Prevention  
Louisville, KY

2/04-8/04      Consultant and presenter  
Disaster Behavioral Health for Healthcare Workers Awareness Training (for  
hospital and public health personnel in South Florida)  
Disaster Epidemiology and Emergency Preparedness Center  
University of Miami School of Medicine  
Miami, FL

7/04      Senior Medical Liaison Officer  
FEMA US&R/NDMS Joint Management Team  
Democratic National Convention Stand-by Event  
Boston, Massachusetts

3/04 - 10/04      Member  
Expert Roundtable on Assessing Homeland Security Risk & Preparedness  
Requirements  
Homeland Defense 2008 and Beyond Project (DTRA/ASCO funded)  
DFI International – Government Services  
Washington, DC

9/29/04      U.S. House Of Representatives Testimony  
House Select Committee on Homeland Security  
Subcommittee on Preparedness and Response  
Special Hearing on the National Incident Management System  
Washington, DC - Testimony available at:  
<http://hsc.house.gov/files/Testimony%20Barbera.doc>

10/04-2/06      Consultant for Titan Corporation Operational Analysis and Training Group  
National Incident Management System Integration Center (NIC)  
Federal Emergency Management Agency/Department of Homeland Security  
Consultation for resource typing and for national credentialing programs  
Washington, DC

2/05      Medical Officer  
USAID/Office of US Foreign Disaster Assistance Disaster Assistance Response  
Team  
Tsunami Response  
Banda Aceh, Indonesia

3/15/07      Participant, "Discussion of Public Health and Medical Preparedness"

Biodefense Directorate of the Homeland Security Council  
The White House, Eisenhower Executive Office Building  
Washington, DC

- 8/07-10/07      Consultant, Long Term Care Facility Emergency Preparedness Training Curriculum  
Harrington Software Associates, Inc.  
Warrenton, VA
- 3/07-10/07      Member, Mayor's Task Force on Emergency Medical Services ("Rosenbaum Task Force")  
Washington, DC
- 11/7-11/12/08      Medical Officer  
USAID/Office of US Foreign Disaster Assistance Disaster Assistance Response Team (Urban Search & Rescue)  
School Collapse with entrapments  
Port-Au-Prince, Haiti
- 1/14-25/10      Medical Officer  
USAID/Office of US Foreign Disaster Assistance Disaster Assistance Response Team (Urban Search & Rescue)  
Haiti Earthquake  
Port-au-Prince, Haiti
- 4/09-2013      Member, Standing Committee on Medical Readiness (Committee name changed in 2011 to Standing Committee on Health Threats Resilience)  
Institute of Medicine, National Research Council  
National Academies of Science  
Washington, DC

**GRANTS & CONTRACTS AWARDED:**

"Development of Medical Training Curriculum, FEMA Urban Search & Rescue Response System." Federal Emergency Management Agency grant award to the Special Medical Response Team. Project Manager and PI: JA Barbera. Completed September, 1992. \$25, 000.

"Development and Evaluation of In-Hospital Decontamination and Medical Practices of Mass Contaminated Patients Presenting to Hospital Emergency Departments." U.S. Public Health Service Office of Emergency Preparedness. 9/30/98-3/31/00. PI: JA Barbera. \$65,000.

"Regional Planning for Mass Casualty Care: A Requirements-Based Model." Alfred P. Sloan Foundation. 3/1/02-12/31/02. PI: JA Barbera. \$260,000.

In recognition of leadership during 9/11/01 and the anthrax response of 10-11/01. Blum-Kovler Foundation. 12/01-\$10,000; 12/02-\$5,000

Medical Emergency Management Consultation to the Assistant Secretary for Public Health Emergency Preparedness, U.S. Department of Health and Human Services. (Intergovernmental Personnel Agreement) 2/03-5/04; PI: JA Barbera ¼ salary support.

Development and peer review of "Medical Surge Capacity and Capability: A management system for integrating medical and health resources during large-scale emergencies". JA Barbera as Co-Principle Investigator for the CNA Corporation (primary contractor). 6/03-8/04. Publication of final report pending August 31, 2004.

"Revisions to Arlington County (Virginia) Comprehensive Emergency Management Program and Department of Human Services." Arlington County (Virginia) Office of Emergency Management. 1/1/04-3/31/04; PI: JA Barbera. \$30,000

"Recommendations for Development and Implementation of the HHS Regional Planning and Emergency Operations." Department of US Health and Human Services, Office of Public Health Emergency Preparedness. PI: JA Barbera through CNA Corporation.

"Emergency Management Academy (EMA): Development of a National Peer-Reviewed Competency Framework for selected Target Audiences; Instructional Outlines and Core Content for the National Incident Management System for Health Care Systems and Organizational Learning Units." Veterans Health Administration. 12/1/04-6/30/06. PI: JA Barbera. \$792,079.21

"Spontaneous Volunteers Management and Training: A volunteer Management System for Arlington County (Virginia) Division of Public Health." Arlington County (Virginia) Department of Human Services, Division of Public Health. 2/14/05-11/30/05. PI: JA Barbera. \$79,000.

"Public Health Volunteer Management System Training." Arlington County (Virginia) Department of Human Services, Division of Public Health. 6/14/06-8/31/06. PI: JA Barbera. \$25,000

"Standardized Volunteer Management System for Public Health & Medical Emergency Response & Recover" de Beaumont Foundation. 2/15/06-12/31/06. PI: JA Barbera. \$51,000

"Certification Program for the Emergency Management Academy." Department of Veterans Affairs 2/14/07-10/18/07. PI: JA Barbera \$350,000

"Medical and Health Incident Management (MaHIM) System Enhancement." Alfred P. Sloan Foundation. 4/1/07-11/30/07. PI: JA Barbera. \$29,476.

"Supporting the VA Emergency Management Academy through development of Deployment Competencies and update of Emergency Management Principles and Practices for Health Care Systems." Department of Veterans Affairs. 2/3/09-11/10/09. PI: JA Barbera. \$342,925.

"Risk Assessment and Vulnerability Analysis for the National Capital Region", CDC funding through the DC Department of Health and Metropolitan Washington Council of Governments, PI: JA Barbera. \$218,000 3/30/12-11/30/12; project extension granted May-July 30, 2013.

"Risk Reduction Demonstration Projects based upon the 2012 NCR-MSA Regional Public Health Risk Assessment"; awarded from CDC funding through DC Department of Health, PI: JA Barbera, \$132,721.00 6/13-8/9/13.

## **SERVICE TO COMMUNITY:**

1993-Present	Medical Team Manager Fairfax County Urban Search & Rescue Task Force Fairfax, Virginia (Unpaid except during deployments) (Monthly meetings, teaching, quarterly search & rescue exercises)
6/95-5/97	Member, Saint Martin's Elementary School Advisory Board Gaithersburg, MD
6/97-6/98	President, Saint Martin's Elementary School Advisory Board Gaithersburg, MD
2/07-2011	Mayor's Task Force on EMS (DC) – The Rosenbaum Task Force and follow-on implementation monitoring with Rosenbaum Family members

## **EDITORIAL BOARDS**

Biosecurity and Biodefense Journal  
Journal of Homeland Security and Emergency Management  
Journal of Disaster Medicine and Emergency Public Health (Associate Board)

## **PUBLICATIONS:**

### *Refereed Journals:*

Feder HM, Shanley JD, Barbera JA. Review of fifty-nine patients hospitalized with animal bites. *Pediatric Infectious Disease Journal* 1987;6:24-28.

Barbera JA, Lozano M. Urban search & rescue medical teams: FEMA task force system. *Prehospital and Disaster Medicine* 1993;8(4):349-355.

Bartfield JM, Gennis P, Barbera JA, Breuer B, Gallagher EJ. Buffered versus plain lidocaine as a local anesthetic for simple laceration repair. *Annals of Emergency Medicine* 1990;19:1387-1389.

Michael JA, Barbera JA: Mass gathering medical care: A twenty-five year review. *Prehosp Disast Med* 1997;12(4):72–79.

Jaslow D, Barbera JA, Desai S, Jolly BT. An Emergency Department-based field response team: case report and recommendations for a “Go team”. *Prehospital Emergency Care* 1998;2(1):81-85.

Jaslow D, Barbera JA, Johnson E, Moore W. Termination of nontraumatic cardiac arrest resuscitative efforts in the field: a national survey. *Academic emergency medicine* 1997;4(9):904-907.

Jaslow D, Barbera JA, Johnson E, Moore W. EMS-initiated refusal and alternative methods of transport. *Prehospital Emergency Care* 1998;2:8-22.

Macintyre AG, Christopher GW, Eitzen E, Gum R, Weir S, DeAtley C, Tonat K, Barbera JA. Weapons of mass destruction events with civilian casualties: Effective planning for health care facilities. *JAMA* 2000;283(2):242-249.

Macintyre AG, Weir S, Barbera JA. The international search and rescue response to the US embassy bombing in Kenya: The medical team experience. *Prehosp Disaster Med* 1999;14(4):11/215-17/221.

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## **PRESENTATIONS:**

### *Regional:*

- 11/90            The medical aspects of closed space entrapments (lecture)  
Case study: rescue in Baguio (lecture)  
Disaster Medical Care: Saving Lives in the Pre-Hospital Setting (lecture)  
Primary Sponsors: Urban Search and Rescue, Inc. and Office of Emergency Services/California Specialized Training Institute; Ventura, California
- 3/91            Crush injury syndrome in structural collapse (lecture)  
Lessons learned in the Philippine Earthquake response (lecture)  
Training Station Instructor: Confined space medical care  
EMS Update '91 Conference and Exhibit  
Primary Sponsor: Emergency Medical Service Institute (Pittsburgh); Champion, Pennsylvania
- 9/93            Medical stabilization and treatment of trapped victims (lecture)  
Urban Search & Rescue 101: A General Orientation to Rescue Techniques for Earthquake Trapped Victims (lecture)  
Primary Sponsor: Central U.S. Earthquake Consortium (Center for Disease Control, Federal Emergency Management Agency), Cape Girardeau, Missouri and Jackson, Mississippi
- 12/93           Health and medical: challenges of a multi-state disaster event (panel)  
Emergency medical activities immediately following a catastrophic earthquake (lecture)  
Central United States Earthquake Consortium (CUSEC) Annual Executive Meeting  
Primary Sponsor: CUSEC (Center for Disease Control, Federal Emergency Management Agency); Berryville, Virginia
- 6/95            Disaster plan for the hospitals of The District of Columbia (lecture)

District of Columbia Hospital Association (DCHA)  
Medical Director's Forum (DCHA), Washington, D.C.

- 1/96 Disaster medicine overview (lecture)  
Sponsor: Doctor's Community Hospital (CME presentation)  
Lanham, MD medical staff
- 4/97 Disaster lessons learned/future challenges (lecture)  
Disaster New York, 1997  
Primary Sponsors: New York Academy of Medicine  
New York, New York
- 2/98 Issues for definitive care facilities in a WMD event (lecture)  
U.S. Capitol Joint Crisis Management Council  
Primary Sponsor: U.S. Capitol, Washington, D.C.
- 5/98 George Washington University Hospital "Go " Team: entrapped patient medical care (lecture)  
The Comprehensive Trauma System Conference  
Primary Sponsor: DC General Hospital, Washington, D.C.
- 9/98 Pre-hospital medical response to the entrapped patient (lecture)  
Continuing Education Conference Series  
Winchester Hospital Center, Winchester, VA
- 11/99 Hospital decontamination & treatment of chemical terrorism: The George Washington University Model (lectures and panel discussion)  
South Carolina Weapons of Mass destruction Conference  
Primary sponsor: S.C. Military department/ Emergency Preparedness Division  
Charleston, SC
- 5/00 Mass terrorism questions & answers panel (panelist)  
Terrorism in the New Millennium: medical management of Weapons of Mass destruction conference  
Primary sponsor; District of Columbia Health & Hospitals Public Benefit Corporation  
Washington, DC
- 5/2/02 Mental health implications of disasters and terrorism (panel)  
Trauma, Disaster & Resiliency  
Sponsor: Maryland Department of Health and Mental Hygiene
- 6/14/02 Caring for mass casualties (lecture)  
Medical and Public Health Aspects of Bioterrorism Course  
Sponsor: Johns Hopkins Center for Biodefense Strategies  
Baltimore, MD
- 9/30/02 Chemical casualties: a systems approach to effective hospital preparedness (lecture)  
Hospital Preparedness for Chemical Decontamination Conference  
Sponsor: Greater New York Hospital Association  
New York, NY
- 10/18/02 Healthcare worker preparedness for chemical and biological events  
2003 Fall Regional Trauma Symposium  
Sponsor: Memorial Medical Center  
Johnstown, PA
- 10/23/02 Blast & crush injuries (lecture)  
Emergency Preparedness for Terrorism Mass Casualty Incidents

Sponsor: Bronx Municipal Hospital Center/Jacobi Hospital  
Bronx, NY

- 6/20/03 The threat of mass terrorism: Human vulnerability and the implications for pharmacy (lecture)  
Washington Metro Society of Health-System Pharmacists Annual Continuing Education Meeting  
Sponsor: Washington Metro Society of Health-System Pharmacists  
College Park, MD
- 12/16/03 Medical and Health Incident Management (MaHIM) System (lecture)  
Chemical Warfare Consequence Management Course (graduate education)  
Sponsor: Uniformed Services University of the Health Sciences/Navy Bureau of Medicine  
Bethesda, MD
- 3/26/04 Managing Stress during response: identifying causes and practical, on-incident interventions (lecture & conference co-producer)  
Responder incident Stress: Examining the causes, near-term effects, and operational interventions (conference)  
Sponsor: Pan-American Health Organization, Fairfax County Virginia Task Force 1 (US&R), GWU Institute for Crisis, Disaster and Risk Management  
Washington DC
- 11/1/05 Arlington County (Virginia) Public Health Volunteer Management System: Project Out-Brief Conference (One-half day presentation to public health officials from the National Capitol Area on the Volunteer Management System research and report.  
Sponsor: de Beaumont Foundation/Arlington County Public Health  
Washington, DC
- 3/21/06 A Potential Bird Flu Pandemic: Possible Macroeconomic Effects and Policy Issues (lecture & panel)  
Sponsor: Society of Government Economists  
Washington, DC
- 3/13/07 Critical Shortfalls in Hospital Emergency Management: Addressing the post 9/11 Complexities (lecture)  
Emergency Preparedness: Ready or Not?  
Leadership for Change Conference  
Sponsor: University of Maryland Medical Center  
Baltimore, MD
- 4/10/07 Medical Issues in Confined Spaces (Lecture)  
Nuclear, Radiological, and High Yield Explosive Course  
Sponsor: Uniformed University of the Health Sciences  
Bethesda, MD
- 5/3/07 Successful Emergency Planning: "Operationalizing" the Strategic Plan to manage Mass Casualties Incidents (lecture)  
Hospital and Health System Emergency Preparedness Conference  
Sponsor: Pennsylvania Department of Health; Hospital and Health System Association of Pennsylvania  
Harrisburg, PA
- 5/8/07 Successful Emergency Planning: "Operationalizing" the Strategic Plan to Manage Medical & Public Health Incidents (presentation & panel discussion)  
The Next Phase of Emergency Preparedness,  
Harvard School of Public Health Center for Public Health Preparedness Spring Symposium

Sponsor: Harvard School of Public Health  
Cambridge, MA

- 4/29/09      Examining "Surge": Strategic Planning to Manage Mass Casualties Incidents (Keynote Address)  
Homeland Security & Emergency Management Conference IV: Disaster Medicine and Mass Casualty Symposium  
Sponsor: Indiana University School of Public and Environmental Affairs Executive Education  
Indianapolis, Indiana
- 5/12/10      Haiti Earthquake: Early Response to a Catastrophic Disaster (presentation)  
The 12th Annual Warren Wetzel, MD Trauma/Emergency Medicine Symposium  
Sponsor: Jacobi Medical Center  
Bronx, NY
- 6/3/10      Healthcare Delivery in the Scarce Resource Situation: A Comprehensive Approach (presentation/panel)  
Annual Health Care Systems Emergency Preparedness Conference  
Sponsor: Pennsylvania Department of Health  
Hershey, PA
- 6/15/10      Critical Care Delivery in the Scarce Resource Situation: What It Means for Your Organization (Presentation and panel moderator).  
Summit on Lessons Learned from the H1N1 Outbreak and Making Medical Decisions during Incidents with Scarce Resources.  
Sponsor: South Carolina Hospital Association.  
Columbia, SC
- 4/18/12      Session Chair and Panelist  
Emergency and Disaster Response in the Past, Present, and Future: The Multi-faceted Role of Emergency Healthcare  
The George Washington University Seminar Series  
Washington, DC
- 6/9-12/12      Volunteerism in Emergency Response: Beliefs and Myths (Featured Speaker)  
CERT CON 2012: A National Capital region CERT Conference  
Sponsor: Georgetown University, Montgomery County (MD) Fire and Rescue, Maryland Emergency management Agency  
Georgetown University, Washington DC
- 3/28/13      Managing Modified Healthcare Delivery in Scarce Resource Situations  
5th Annual Emergency management Summit  
Sponsor: MedStar Health  
Baltimore, MD
- 10/27/13      Public Health Risk Assessment & Regional Risk Reduction: Final Project Presentation  
Public Health Risk Reduction Project Stakeholders' Meeting  
Sponsor: CDC, DC Department of Health  
Washington, DC
- 1/27/2014      Public Health Risk Assessment & Regional Risk Reduction: Electrical Vulnerabilities for Healthcare Organizations  
Maryland Public Health Preparedness Seminar Series (statewide seminar series)  
Sponsor: Maryland Department of Health and Mental Hygiene  
Baltimore, MD



5/29/14

Public Health Risk Assessment & Regional Risk Reduction: Summary of Research Findings and Future Directions  
National Capital Region State Public Health Commissioners Meeting  
Sponsor: Washington DC Department of Health  
Washington, DC

## **PRESENTATIONS:**

### *National:*

- 2/91 U.S. disaster response to the Philippines Earthquake: Medical aspects (lecture)  
Disaster '91: The 1991 International Disaster Management Conference  
Primary Sponsors: Florida Emergency Medicine Foundation, Florida College of  
Emergency Physicians; Orlando, Florida
- 5/91 Confined space medical care (lecture)  
Response '91  
Primary Sponsor: National Association for Search And Rescue; Phoenix, Arizona
- 5/93 Crush Syndrome (lecture)  
Collapsed structure medical care (lecture)  
Response '93  
Primary Sponsor: National Association for Search And Rescue; Tampa, Florida
- 10/93 Update on national plans for the Federal Emergency Management Agency and National  
Disaster Medical System: Special Urban Search & Rescue Disaster Medical Assistance  
Teams (lecture)  
Urban search & rescue medical training programs (lecture)  
Disaster Medical Issues in America: 1st Annual Symposium;  
Primary Sponsor: University of New Mexico, Albuquerque, New Mexico
- 11/94 The public health role in disasters: how training translates into response (lecture).  
American Public Health Association National Conference; Primary Sponsor: American  
Public Health Association, Washington, DC
- 10/94 FEMA urban search & rescue system update (lecture)  
Confined space medical care (lecture)  
Panel discussion: controversies in disaster medical response  
Second Annual Symposium: Disaster Medical Issues in America; Primary Sponsor:  
University of New Mexico Center for Disaster Medicine, Albuquerque, New Mexico
- 10/94 Contemporary disaster controversies (Panel member)  
Urban Search & Rescue Update (one hour)  
Disaster Medical Issues in America: 2nd Annual Symposium  
Primary Sponsor: University of New Mexico, Albuquerque, New Mexico
- 2/95 Introduction and overview of US&R (track chairman plus lecture)  
Confined space medical care (one hour)  
Disaster '95: The 1995 International Disaster Management Conference  
Primary Sponsors: Florida Emergency Medicine Foundation, Florida College of  
Emergency Physicians, Orlando, Florida
- 3/95 Triage: Beyond START (co-presenter)  
Collapsed structure medical care  
Crush Injury, Crush Syndrome  
(Track Chairman: Clinical Disaster Medicine)  
Delivering Health & Medical Services in Catastrophic Disasters 1995  
Primary Sponsors: U.S. Public Health Service, Department of Veteran Affairs, Department  
of Defense, Federal Emergency Management Agency, Nashville, Tennessee
- 4/95 Oklahoma City Bombing rescue efforts (two nationwide live interviews)  
Cable News Network; Washington, D.C.
- 2/96 Oklahoma City US&R response: Medical roles and responsibilities (lecture)

Disaster '96: The 1996 International Disaster Management Conference  
Primary Sponsors: Florida Emergency Medicine Foundation, Florida College of  
Emergency Physicians; Orlando, Florida

- 3/96 Taking care of your own (lecture)  
Limited access & confined space medicine (lecture)  
Urban search & rescue medical team operations (lecture)  
Delivering Health & Medical Services in Catastrophic Disasters 1996  
Primary Sponsors: U.S. Public Health Service, Department of Veteran Affairs, Department  
of Defense, Federal Emergency Management Agency, San Diego, California
- 7/96 Health issues in collapsed structure response (lecture)  
Extended incident stress: recognition and management (lecture)  
Atlanta Olympics Urban Search & rescue Stand-by Event  
Primary Sponsor: The Federal Emergency Management Agency, Cobb County, Georgia.
- 9/96 Extended incident stress: a case history using the Oklahoma City Incident (lecture)  
4th New Mexico Symposium on Disaster Medical Issues  
Primary Sponsor: The University of New Mexico, Albuquerque, New Mexico.
- 3/97 Urban search and rescue (lecture)  
11th Conference on Military Medicine: Military Medicine in Complex Emergencies  
Primary Sponsor: Uniformed Services University of the Health Sciences; Bethesda,  
Maryland.
- 5/97 Earthquake response table-top exercise (director) (two hours)  
Incident support team medical officer (lecture)  
Urban search & Rescue Preconference  
National Conference on Lifesaving Intervention  
Primary Sponsors: U.S. Public Health Service, Department of Veteran Affairs, Department  
of Defense, Federal Emergency Management Agency; Tampa, Florida
- 5/97 Extended Incident Stress (lecture)  
Chem/bio/nuclear medical preparedness (Panel Chair)  
National Conference on Lifesaving Intervention  
Primary Sponsors: U.S. Public Health Service, Department of Veteran Affairs, Department  
of Defense, Federal Emergency Management Agency; Tampa, Florida
- 6/97 D.C. Hospitals Preparedness for Potential Catastrophic Incidents Involving the U.S.  
Capitol (Presentation)  
Congressional Briefing  
Primary Sponsor: Office of the Attending Physician, U.S. Capitol; Washington, D.C.
- 7/97 Emergency preparedness in health care organizations (Panel)  
ASHE's Annual Conference & Technical Exhibition  
Primary Sponsor: American Society of Healthcare Engineering of the American Hospital  
Association; San Antonio, Texas
- 10/97 Civilian medical response to chemical and biological terrorism (lecture/panel)  
104<sup>th</sup> Annual Meeting of The Association Of Military Surgeons of the United States  
Primary Sponsor: Association of Military Surgeons of the United States,  
Nashville, Tennessee
- 3/98 Urban Search & Rescue Medical Care Pre-conference (Pre-conference director, lecturer)  
NDMS '98: National Conference on Lifesaving Intervention  
Primary Sponsors: U.S. Public Health Service, Department of Veteran Affairs, Department  
of Defense, Federal Emergency Management Agency; Denver, Colorado

- 4/98 Weapons of Mass Destruction: Response issues for health care facilities (lecture)  
 Extended incident stress in disaster response (lecture)  
 Collapsed Structure medical care issues (lecture)  
 NDMS '98: National Conference on Lifesaving Intervention  
 Primary Sponsors: U.S. Public Health Service, Department of Veteran Affairs, Department of Defense, Federal Emergency Management Agency; Denver, Colorado
- 7/98 Collapsed structure medical care (lecture)  
 Mid-year Scientific Assembly, National Association of EMS Physicians  
 Primary Sponsor: National Association of Emergency Medical Service Physicians  
 Lake Tahoe, Nevada
- 8/98 The role of hospitals and the medical care system in chemical/biological terrorism (lecture)  
 Domestic Preparedness (terrorism) National Stakeholders' Forum  
 Primary Sponsor: Department of Justice  
 Washington, DC
- 10/98 National Security Council Policy Level Biological Terrorism Tabletop Exercise (participant)  
 Primary Sponsor: Department of Justice, FBI  
 Washington, DC
- 2/99 Hospital decontamination & treatment of victims of chemical terrorism: The George Washington University model. (Pre-conference director and lecturer).  
 Disaster '99: The 1999 International Disaster Management Conference  
 Primary Sponsors: Florida Emergency Medicine Foundation, Florida College of Emergency Physicians; St. Petersburg, Florida
- 4/99 The role of trauma centers in chemical terrorism response (lecture & panelist)  
 American Trauma Society's National Trauma Conference  
 Primary sponsor: American Trauma Society  
 Arlington, Virginia
- 5/99 Urban search & rescue medical course (Pre-conference director)  
 Hospital preparedness for mass chemical casualties (lecture)  
 Review of chemical terrorism field exercises (panel chair and presenter)  
 One thousand fatalities: implications for a healthcare system (panel chair)  
 NDMS '99: National Conference on Lifesaving Intervention  
 Primary Sponsors: U.S. Public Health Service, Department of Veteran Affairs, Department of Defense, Federal Emergency Management Agency; Washington, DC
- 5/00 Hospital preparedness for chemical casualties: exercise results (lecture)  
 Post-incident regional victim tracking (Panel chair & presentation)  
 Medical response team interface during major disasters (Panel chair & presentation)  
 Difficult issues in hospital preparedness for mass casualties (Panel chair & presentation)  
 Integrating hospitals into the community emergency response (Panel chair & presentation)  
 NDMS '00: National Conference on Lifesaving Intervention  
 Primary Sponsors: U.S. Public Health Service, Department of Veteran Affairs, Department of Defense, Federal Emergency Management Agency; Las Vegas, Nevada
- 6/00 The role of hospitals in bioterrorism response (panel presentation)  
 Bioterrorism in the U.S.: A Framework for Public Health and Medical Response  
 Primary Sponsors: Chemical and Biological Arms Control Institute & Centers for Disease Control  
 Arlington, Virginia
- 8/31/00 WMD events: effective health care facility preparedness (lecture, tabletop exercise facilitator, panel presenter).  
 Navy Surgeon General's Conference

Primary Sponsor: U.S. Navy  
Tyson's Corner, VA

- 9/00 Acute care health and medical issues in CBRN terrorism (lecture)  
Task Force on Chemical, Biological, Radiological, Nuclear Terrorism  
Primary Sponsor: Center for Strategic & International Studies  
Washington, DC
- 10/00 Hospital preparedness for WMD – mass casualty events (lecture)  
St. Louis Metropolitan Medical Response System seminar  
Primary Sponsors: St. Louis MMRS & St. Louis FBI WMD Coordinator  
St. Louis, MO
- 11/00 Blast hazard & consequence management needs (lecture)  
Protecting People and Buildings from Bomb Damage (National Research Council)  
Primary Sponsor: The National Research Council Committee for the Oversight and  
Assessment
- 4/01 Ethical decision-making in disaster preparedness and response (panelist)  
JCAHO emergency management standards: accepting the challenge (panel presentation)  
NDMS '00: National Conference on Lifesaving Intervention  
Primary Sponsors: U.S. Public Health Service, Department of Veteran Affairs, Department  
of Defense, Federal Emergency Management Agency  
Dallas, TX
- 5/01 Emergency department mass terrorism preparedness measures (lecture)  
Managing injuries resulting from collapsed structures (lecture)  
Consequence Island 2001: Puerto Rico Weapons of Mass Destruction Conference  
Sponsor: Department of Veterans Affairs Employee Education System & San Juan VA  
Medical Center,  
San Juan, Puerto Rico
- 10/24/02 Healthcare workers preparedness for chemical and biological events (lecture)  
Homeland Defense: Blueprints for Emergency Management Response  
Sponsor: Joint Commission Resources  
Washington, DC
- 11/20/02 Surveillance and public health response to bioterrorism (panel).  
LiveResponse (national satellite feed through the National Terrorism Preparedness  
Institute, St. Petersburg College).  
Sponsor: U.S. Department of Justice
- 2/8-9/03 Ambulances to nowhere: America's critical shortfall in medical preparedness for  
catastrophic terrorism (lecture)  
Large scale quarantine following biological terrorism in the United States (lecture)  
24th Annual International Disaster Management Conference (Disaster 2003)  
Sponsor: Florida Emergency Medicine Foundation  
Orlando, FL
- 3/9-11/03 Ambulances to nowhere: America's critical shortfall in medical preparedness for  
catastrophic terrorism (lecture)  
Regional planning for mass casualty care: the MaHIM System Model (lecture)  
National Conference on Lifesaving Intervention  
Primary Sponsors: U.S. Public Health Service, Department of Veteran Affairs, Department  
of Defense, Federal Emergency Management Agency  
Reno, NV
- 4/5/03 Hospital incident management (lecture)

- Bioterrorism Preparedness: A hospital tabletop exercise (facilitator)  
Sponsor: Society of Healthcare Epidemiology of America  
Arlington, VA
- 6/2/03      Emergency Public Information: Academic viewpoint  
Emergency Public Information and Communications Advisory Committee meeting  
(Federal Advisory Committee for HHS)  
Sponsor: Department of U.S. Health and Human Services, Office of the Assistant  
Secretary for Public Health Emergency Preparedness  
Washington, DC
- 9/5/03      How can response be made systematic rather than episodic? (Lecture & panel  
discussion)  
From SARS to Bio Attack: Developing a Coordinated Response to the Unexpected  
Sponsor: The U.S. Medicine Institute for Health Studies  
Washington, DC
- 11/2/03      Hospital emergency management (lecture)  
2003 National Conference and Exposition  
Sponsor: American Academy of Pediatrics  
New Orleans, LA
- 11/19/03     Emergency Management & mass casualty terrorism: Anticipating the "never experienced"  
(lecture)  
Emergency Management in the Homeland Security Environment conference  
Sponsor: National Science Foundation, GWU Institute for Crisis, Disaster, and Risk  
Management  
Washington, DC
- 11/21/03     Collapsed-structure/confined-space medical considerations (lecture)  
Confined-space medical operations(lecture)  
FEMA Medical Specialist Training Course  
Sponsor: Montgomery County (MD) Fire & Rescue Department  
Montgomery County, MD  
National Conference on Lifesaving Intervention  
Primary Sponsors: U.S. Public Health Service, Department of Veteran Affairs, Department  
of Defense, Federal Emergency Management Agency
- 6/22/04      Linking hazards and public health (panel session moderator)  
National Academy of Sciences Workshop: Public Health Risks of Disaster - Building  
Capacity to Respond  
Primary Sponsor: National Academy of Sciences  
Washington, DC
- 7/20-21/04   Effective mass casualty response: Bridging the intergovernmental, inter-disciplinary and  
public-private divides (panel presentation)  
Defining "readiness": Evaluating the validity and reliability of preparedness metrics (panel  
presentation)  
CDC-AMA First National Congress on Public Health Readiness  
Primary Sponsors: Centers for Disease Control and Prevention, American Medical  
Association.  
Washington, DC
- 6/8/05      The Indonesian Tsunami: Transition from Response to Recovery in a Truly Catastrophic  
Event  
FEMA Emergency Management Institute Emergency Management Higher Education  
Conference.  
Primary sponsor: Department of Homeland Security/Federal Emergency Management  
Agency

Emmitsburg, MD

- 6/13/05 National Peer Review Group Meeting - VHA Emergency Management research project: Competencies and curriculum outline and preliminary research presented for peer review  
Sponsor: Veterans Health Administration  
Washington, DC
- 10/6/05 Effective Collaboration between First Receivers and First Responders (lecture)  
Defending Your Front Lines: National Conference for Hospital Based First Receivers  
Primary sponsor: Joint Commission Resources, OSHA, JCAHO  
Washington, DC
- 2/23/06 A Safe and Healthy Homeland: Linking Public Health, Medical, Emergency Management, and Homeland Security Programs at the Local, Regional, State, and Federal Levels (Panel)  
2006 Public Health Preparedness Summit  
Primary sponsors: Association of State and Territorial Health Officers, National Association of City and County Health Officers, CDC.  
Washington, DC
- 3/21/06 A Potential Bird Flu Pandemic: Possible Macroeconomic Effects and Policy Issues  
Sponsor: Society of Government Economists  
Congressional Budget Office, Washington, DC
- 3/29/06 First Responders: Preparing for Spills and Chemical Casualty Incidents  
Audioconference with national healthcare audience  
Primary Sponsor: Joint Commission Resources (affiliated with the Joint Commission on Accreditation of Healthcare Organizations)
- 3/30/06 National Incident Management System and Emergency Management for Healthcare Systems: A report on the VHA project  
VHA Deployment and Concept of Operations Meetings/Retreat (senior VHA personnel)  
Sponsor: Veterans Health Administration Emergency Management Strategic Healthcare Group  
Shepherdstown, WV
- 4/5/06 Challenges of Command and Control in Major Disasters  
Federal Coordinating Officers – Defense Coordinating Officers National Conference  
San Antonio, TX
- 4/24-26/06 Triage during a mass casualty incident (panel)  
Emergency management education for healthcare organizations (A report on the VHA research project)  
Addressing altered standards of medical care in a mass casualty incident (panel)  
The 2006 National Disaster Medical System National Conference  
Sponsor: Department of Homeland Security/DHHS/DoD/VA,  
Reno, NV
- 6/7/06 Maintaining & Growing Existing Emergency Management & Homeland Security/Defense Collegiate Programs – Upper Division Undergraduate and Graduate Levels. (panel)  
FEMA Emergency Management & Homeland Security/Defense Higher Education National Conference  
Sponsor: FEMA  
FEMA Emergency Management Institute, Emmitsburg, MD
- 2/21/22/07 Medical Surge Capacity & Capability: A Management System for Integrating Medical & Health Resources (lecture)

- Managing the Complex Requirements of Preparedness Planning: Using the EOP as the Common Denominator (lecture)  
Public Health Preparedness Summit 07  
Sponsors: CDC, NACCHO, ASTHO  
Washington, DC
- 3/20/07      Healthcare Volunteer Augmentation System (panel & moderator)  
Emergency Management Principles and Practices for Healthcare Systems (lecture)  
The 2007 National Disaster Medical System Conference  
Sponsor: Department of Health and Human Services/DHS/DoD/VA  
Nashville, TN
- 10/17/07     Role of Health Systems in Disaster Recovery (lecture/panel)  
Recovering from Disasters  
Disaster Roundtable Workshop  
Sponsor: The National Academies (National Academies of Science)  
Washington, DC
- 12/20/07     Strengthening Response Systems (presentation/panel)  
Research Priorities in Emergency Preparedness and Response for Public Health Systems  
Sponsor: Board on Health Sciences Policy/Institute of Medicine of the National Academies  
Washington, DC
- 3/17/08      Emergency Management Program Analysis: Are we ready?  
2008 National Disaster Medical System Conference  
Sponsor: Department of Health and Human Services/DHS/DoD/VA  
Nashville, TN
- 8/8/08        Preparedness of the metropolitan area's medical system to treat casualties from a 10kT  
IND (presentation/panel)  
Preparedness to evacuate serious casualties from a 10 kT IND from area hospitals to  
appropriate treatment facilities statewide and nationally (presentation/panel)  
Workshop to Assess Medical Preparedness for a Nuclear Event  
Sponsor: Committee on Medical Preparedness for Terrorist Nuclear Attack,  
Institute of Medicine, National Academies of Science  
Washington, DC
- 5/5/10        Establishing a Comprehensive Healthcare Emergency Management Competency  
Framework and Taxonomy (presentation/panel)  
VHA Comprehensive Emergency Management Program Evaluation And Research  
Conference  
Sponsor: US Department of Veterans Affairs, Office of Public Health & Environmental  
Hazards  
Baltimore, MD
- 6/4/10        The Healthcare Coalition (panel chair and presentation)  
2010 Integrated Medical, Public Health Preparedness and Response Training Summit  
Sponsor: US Department of Health and Human Services  
Las Vegas, NV
- 9/12/11      Presenter and Panelist, National Expert Panel  
Executive Briefing: Resilience 2001-2011 and Beyond  
Sponsor: Domestic Preparedness (DomPrep Journal)  
National Press Club, Washington DC
- 9/19/11      American Association of Medical Colleges (AAMC) Plenary Session Presentation:  
Crisis and Emergency Management Institutional Preparedness for Medical Schools: The  
Big Picture



- 2011 AAMC-GIP Institutional Preparedness Symposium: crisis and Emergency Management Meeting  
Sponsor: American Association of Medical Colleges  
Chicago, IL
- 5/21/12      Presenter and Panelist, National Expert Panel  
Executive Briefing: First Responder HazMat/CBRN Training  
Sponsor: Domestic Preparedness (DomPrep Journal)  
National Press Club, Washington DC
- 6/4-7/12      Generating Meaningful Research Questions: An Academic/Practitioner Collaboration (Panelist)  
15th Annual Emergency Management Higher Education Conference: Preparing for the Future of Emergency Management and Homeland Security  
Sponsor: Federal Emergency Management Agency Emergency Management Institute  
FEMA Emergency Management Institute, Emmitsburg, MD
- 9/25/12      Symposium Discussant  
Communicating Truth in an Anxious World: How to Handle Access to Government Scientific Information in Crisis Situations  
Sponsor: Union of Concerned Scientists  
Newseum, Washington, DC
- 3/12-15/13      The National Capital Region's Novel Approach to Hazard Vulnerability Assessment : Public Health Risk Assessment, National Capital Region-Metropolitan Statistical Area 2013 Public Health Preparedness Summit  
Sponsors: Centers for Disease Control and Prevention, Office of the Assistant Secretary for Preparedness and Response/DHHS, NACCHO, and others  
Atlanta, GA
- 3/28/13      Managing Modified Healthcare Delivery in Scarce Resource Situations  
5th Annual Emergency management Summit  
Sponsor: MedStar Health  
Baltimore, MD
- 2/13/14      Unified Command during 9-11 Pentagon Response (Panel Moderator and speaker)  
National Security Executive Leadership Seminar  
Sponsor: United States Department of State, Foreign Service Institute  
Pentagon (Arlington, VA)
- 4/4/14      Utilizing a Public Health Risk Assessment and Enhanced Vulnerability Analysis to Inform Risk Reduction Guidance for Healthcare Facilities in the Washington DC MSA [Metropolitan Statistical Area]  
2014 Public Health Preparedness Summit  
Sponsors: CDC, NACCHO, ASTHO  
Atlanta, GA
- 5/17/14      Operational Medicine  
2014 Special Medical Operations Conference  
Sponsors: FEMA, Fire Department of New York  
New York, NY
- 6/13/14      Logistical and Other Reality Issues in Disaster Research (panel)  
Enabling Public Health Research During Disasters  
Sponsor: National Institute of Health  
Bethesda, MD
- 9/8/14      Disaster Behavioral Health: Highlights in Education and Training (panel)

Learning in Disaster Health  
Sponsor: National Center for Disaster Medicine and Public Health (USUHS)  
Fort Myer, VA

- 4/15            Emergency Response Research, Development, Education & Training: A Researcher-Responder Perspective (lecture). 2015 US EPA International Decontamination Research and Development Conference,  
Sponsor: US Environmental Protection Agency  
Research Triangle, NC

**PRESENTATIONS:**

*International:*

- 5/89            Crush syndrome and other medical care in trapped victims (lecture)  
International Search & Rescue Pre-Conference (to Response '89)  
Primary Sponsor: Office of U.S. Foreign Disaster Assistance/ Agency for International Development, Phoenix, Arizona
- 10/90            Medical care in the Philippines earthquake response (lecture)  
Instructional Module Leader: Confined space medical care  
Rescue '90 International: International Seminar on Urban Rescue and Structural Collapse  
Primary Sponsor: Montgomery County (Maryland) Department of Fire & Rescue Services, Gaithersburg, Maryland
- 5/94            Clinical and laboratory related disaster research in disaster response (Panel presenter and co-moderator)  
IRRC '94: International Resuscitation Research Conference  
Primary Sponsor: International Resuscitation Research Center, University of Pittsburgh, Pittsburgh, Pennsylvania
- 6/94            Collapsed-structure medical care in U.S. disaster response programs (lecture)  
Medical care in international search & rescue teams (Medical Working Group advisor)  
United Nations International Search & Rescue Advisory Group (UN INSARAG) Steering Group and Regional Group Africa/Europe Meetings  
Primary Sponsor: United Nations Department of Humanitarian Affairs International Search and Rescue Advisory Group (INSARAG); Kuopio, Finland
- 5/95            Trauma anesthesia and critical care for disasters: Multi-media interactive simulation (panelist, table-top exercise)  
8th Annual Trauma Anesthesia and Critical Care Symposium  
Primary Sponsor: International Trauma Anesthesia and Critical Care Society (ITACCS); Baltimore, Maryland
- 6/96            From disaster relief to sustainable development (panel presentation)  
From Humanitarian Assistance to Human Development: The Fourth International Health and Development Forum  
Primary Sponsors: GW Center for International Health, School of Public Health and Health Services, The George Washington University; Washington, D.C.
- 9/95            Collapsed-structure disaster response (Lecturer and conference facilitator)  
Humanitarian Support Operations Conference  
Primary Sponsors: University of Hawaii, U.S. Army Pacific Command  
Honolulu, Hawaii
- 3/98            Preparedness of EDs for biological events: A new threat requiring new thinking (plenary lecture)  
Fifth Annual Scientific Assembly of the Israeli Association of Emergency Medicine  
Primary Sponsor: Israeli Association of Emergency Medicine, Jerusalem, Israel

- 5/98 Disaster Medicine (Track director)  
Disaster medicine program validation: the Oklahoma City bombing response (lecture)  
Fifth Annual Conference of The International Emergency Management Society (TIEMS)  
Primary Sponsors: TIEMS, The George Washington University Institute for Crisis, Disaster and Risk Management, Washington, D.C.
- 6/98 Chemical terrorism: civilian hospital perspective (lecture)  
U.S. Army Medical Research Institute of Chemical Defense BioScience Review  
Primary Sponsor: U.S. Army  
Hunt Valley, Maryland
- 6/99 International terrorism preparedness programs (panel chair)  
Weapons of Mass Terrorism Conference  
Primary Sponsors: Veterans Administration, University of South Florida  
Clearwater, Florida
- 9/99 Collapsed-structure medical response: the U.S. program  
2/00 Primary Sponsor: National Taiwan University Hospital  
Taipei, Taiwan
- 2/00 Development of urban search & rescue medical care in the U.S. (lecture)  
Confined space medicine (lecture)  
Confined space medical care demonstrations (advisor)  
The 5<sup>th</sup> Annual Meeting of the Japanese Association for Disaster Medicine  
Primary Sponsor: Japanese Association for Disaster Medicine  
Tokyo, Japan
- 9/00 Hospital decontamination & treatment of chemical terrorism: The George Washington University Model (Lecture)  
Second International Conference, "Weapons of Mass Destruction: the continuum from response to management"  
Primary Sponsor: Department of Veterans' Affairs  
St. Petersburg, FL
- 11/30/01 Chemical/Biological Tabletop Exercise Expert Panel (panel)  
Biological and Chemical Warfare and Terrorism: Medical Issues and Response  
Sponsors: U.S. Army Medical Institute for Infectious Disease, U.S. Army Medical Institute for Chemical Defense (international satellite broadcast and video recording distribution)  
Gaithersburg, MD (FDA studios)
- 5/6/02 Mass casualty terrorism & the role of operational medicine (opening session keynote address – The 48<sup>th</sup> Louis H. Bauer Memorial Lecture)  
Aerospace Medical Association 73<sup>rd</sup> Annual Scientific Meeting  
Sponsor: Aerospace Medical Association  
Montreal, Canada
- 6/20/09 State-of-the-art Hospital Emergency Management Concepts (presentation and panel)  
International Symposium on Emergency Preparedness and Response for Health Care Facility  
Sponsor: National Taiwan University Hospital  
Taipei, Taiwan
- 10/1/13 Managing Medical and Public Health Emergency Response  
International Institute for Global Resilience Graduate Student Series  
Sponsor: International Institute for Global Resilience  
Potomac, MD

5/20/14            How to prepare for disasters and respond more efficiently to large-scale emergencies  
(interview for MBC from South Korea).  
The interview aired on May 20 in Korea.

*Video:*

Crush Syndrome. FEMA Emergency Education Network (EENET) Videoconference. August, 1990.

Crush Syndrome: physiology, assessment and treatment. Pulse Video (EMS audience). December, 1990.

Hospital decontamination of chemical casualties (USAMRIID/USAMRICD conference for satellite broadcast). November 1998 and multiple repeats through 2004.

**PERSONAL DATA:**

Marital Status	Married
Spouse	Elizabeth
Children	Four sons

**REFERENCES:**            Furnished upon request

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