

Paul Rega, MD, FACEP

Director of Disaster Medicine Curriculum, EM Residency
Assistant Professor, Dept of Emergency Medicine
Assistant Professor, Dept of Public Health & Prev Med
University of Toledo College of Medicine
Paul.Reg@utoledo.edu
419-383-6722

Professional areas of interest:

- Disaster Medicine/Concepts
- Hyperbaric Medicine
- Pediatric EM
- Invasive Techniques in EM

Personal areas of interest:

- Writing satirical fiction, painting, and bell choir message.

Hometown: Bronx, NY

Medical School: University of Rome, Italy

Residency: Medical College of Ohio, Mercy St. Vincent Medical Center

Professional Affiliations

Director of EM Education & Disaster Management, OMNI Health Services

Advisor, Center for Public Health Practice, College of Public Health, Ohio State University

Founder & President, MASCAP, Inc., Disaster Medicine educational tools.

Co-Founder, President, Independent Contractor (ERRATA-LLC), Dept of Public Health & Homeland Security, UTCOM

Board Member, Medical Reserve Corp, Ohio

University of Toledo Disaster Committee

RMRS, Command & Control Committee

BDLS/ADLS Instructor

Reviewer, Practical Reviews in Emergency Medicine

Member, Modular Emergency Medical System

Practitioner, Hyperbaric Center, The Toledo Hospital

Former Flight Physician, ProMedica Air

Lucas County Academy of Medicine



American College of Emergency Physicians (ACEP)

American Medical Association (AMA)

Awards:

Certificate of Outstanding Achievement for contributions related to the web-based NDMS Response Team Training Program, NDMS. Aug 2001.

Citizen of the Month from the Office of the Mayor, City of Toledo, Ohio for efforts related to the training of the Taiwan National Disaster Medical Assistance Team. Aug 2000.

Recognition and appreciation of outstanding contributions toward the health and medical response to Hurricane Andrew and Hurricane Marilyn, Federal Disaster Service. 1995, 1992.

Outstanding Attending Physician of the Year, St. Vincent Medical Center/The Toledo Hospital Emergency Medicine Residency Program. 1988-1989.

Publications (Most Recent)

Rega P. The Lonz Winery Disaster: Regional Planning of Air Ambulance Services in *International Disaster Nursing*. Publisher: Cambridge University Press; June 30, 2010.

Rega P. EMS in Disasters in *Textbook of Emergency Medicine*. Publisher: Wolters Kluwer Health (Lippincott). Scheduled for publication: November, 2010.

Rega P, Bork C, Burkholder-Allen K, Bisesi M, Gold J. The Transitional Medical Model: An Innovative Methodology for a Community's Disease Outbreak and Pandemic Preparedness and Response Plan. *Am J Disast Med*, 2010; 5(2): 129-136.

Rega P, Bork C, Chen Y, Woodson D, Batten S, Hogue P. Using an H1N1 Vaccination Drive-Through to Introduce Healthcare Students and Their Faculty to Disaster Medicine. *Am J Disast Med*, 2010; 5(2): 69-81.

Rega P, Bork C, Chen Y, Woodson D, Batten S, Hogue P. Using an H1N1 Vaccination Drive-Through to Introduce Healthcare Students and Their Faculty to Disaster Medicine. Poster presented at the University of Toledo College of Medicine Research Day. 5/27/10.

Rega P, Bork C, Burkholder-Allen K, Bisesi M, Gold J. The Single Breath-Count Test: An Important Adjunct in the Triaging of Patients in a Botulism Mass Casualty Incident. *Prehosp Disaster Med*, 2010: 25 (3).

Rega P, Bork C, Bisesi M, Burkholder-Allen K, Agnoli F. Implementing the Transitional Heuristic for Faith-Based Organizations to Prepare for and Respond to an Epidemic/Pandemic: A Roman Catholic Parish Model. *Health Progress* 2009; 90:68-75.

Rega P, Burkholder-Allen K, Bork C. An Algorithm for the Evaluation and Management of Red, Yellow, and Green Zone Patients during a Botulism Mass Casualty Incident. *Am J Disast Med* 2009; 4(4): 192-198.

Burkholder-Allen K, Rega PP, Budd C, Bork C. The Botulism Questionnaire: A Tactical Tool for Community Use in a Botulism Mass Casualty Incident. *Nursing & Health Sciences*, 2009; 11:374-377.

Van Rynen JL, Rega PP, Budd C, et al. The Use of Negative Inspiratory Force by ED Personnel to Monitor Respiratory Deterioration in the Event of a Botulism-Induced MCI. *J Emerg Nursing* 2009; 35(2): 114-7.

Rega P, Burkholder-Allen K, Budd C, Bisesi M. The Global Epidemic Recognition and Management (GERM) Chart: A Prototype. *Prehospital and Disaster Medicine* 2005; 20(2): s56.

Rega P. Doctors and Bioterrorism. *The Lancet* 2005; 365:844.

Special Projects (Most Recent):

UTMC-EM Disaster Medicine Website. An educational and topical specialty project developed by and for the University of Toledo Department of Emergency Medicine. Established Mar 2010.

H1N1-Stop. A blog established at the University of Toledo in order to provide education and information about H1N1 to the UT family. Established Sept 2009.

P/EDLS (Pandemic/Epidemic Disaster Life-Sustaining Course Basic/Advanced); Creator, developer with Dr. C. Bork, K. Burkholder-Allen. Inaugurated 10/23/09, Lima, Ohio (St. Rita's Medical Center).

Medical educational contributor (daily): **Omniphysicians.com**; 2008.

Co-creator and developer of **The K.I.D.s Project** – A two-day children-in-disasters symposium sponsored by and delivered to the El Paso Department of Health and its hospital system. Lecturers: Paul Rega, M.D. & Kelly Burkholder-Allen, R.N. Delivered June 2-3, 2008 in El Paso, Texas.

Project Team Member, 2008 Northwest Ohio Pandemic Regional Functional Exercise; University of Toledo, Health Sciences Center, Department of Public Health & Homeland Security.

Co-creator, developer, and contributor: **Botulismtoolkit.com**; 2007- present.

Member, Technical Committee, "Hospital First Receiver," (DVD); Emergency Film Group, Edgartown, MA; 2007.

Co-creator, developer, and contributor: **Projectdisaster.com**; 2006 –present.

Project Team Member, 2007 Northwest Ohio Regional Functional Exercise; University of Toledo, Health Sciences Center, Department of Public Health & Homeland Security.

Project Team Member, Pandemic Flu Functional Exercise for Northwest Ohio; MUO & ERRATA-LLC, May 10-11, 2006.

Co-creator and developer of **CADRE** (Comprehensive Advance Disaster Response & Education) – an 8 hour seminar for hospital personnel that expands upon the **HARRT** course by providing an in-depth tactical approach to disaster preparedness and response. Sponsored by the Ohio Hospital Association and conducted April 11, 2006 in Columbus, Ohio, March 3, 2008 in Cleveland, Ohio, March 11, 2008 in Dayton, Ohio, and April 14, 2008 in Cleveland, Ohio.

Member, Technical Committee, “**Hospital Mass Decontamination**” (VHS/DVD); Emergency Film Group, Edgartown, MA; 2006.

Lucas County EMS 3-hour seminar: **Disaster Preparedness and Response Table-Top/Lecture**. January, 2006. Prepared and conducted by ERRATA-LLC.

Co-creator and developer (ERRATA-LLC) of ***ProjectDisaster.com*** and ***DisasterKIDS.com***, interactive (print, audio, and video) websites devoted to the dissemination of disaster information. January, 2006.

Project Team Member, **Bioterrorism Functional Exercise Project Team** for Bioterrorism Functional Exercise Templates for Ohio; MUO & ERRATA, LLC., 4/05.

Author, ***Chem-Terry: A Recognition and Response Guide for Chemical Agents of Terrorism (CD)***. Published by MASCAP Inc., March, 2005.

Co-creator and developer of **HERRT** (Hospital Emergency Recognition and Response to Terrorism) – a 4 hour seminar specifically created to address the specific educational needs of Emergency Department personnel during a terrorism response, 10/12/04 Toledo, Ohio, 11/8/04 Sandusky, Ohio, 11/29/04 Fostoria, Ohio, 1/10/05 MCO PA Program, Toledo, Ohio, 1/11/05 & 2/15/05 Wauseon, Ohio. Funded through a grant from the Ohio Department of Health. Collaborators: K. Burkholder-Allen RN and C. Budd, RN.

Co-creator and developer of **ACORNE** (All-hazard Catastrophes: Overview and Response for Nurse Educators) – a 16 hour seminar, didactics, exercises, and CD-ROM supplement for nurse educators of Northwest Ohio, 9/24/04-9/25/04. Funded by a grant from the Ohio Department of Health. Collaborators: K. Burkholder-Allen RN, C. Budd, RN & M. Bisesi, PhD. A second, revised presentation was conducted, in collaboration with Dr. Michael Bisesi, at the Medical University of Ohio College of Nursing, Toledo, Ohio, May 18, 2006.

Co-creator and developer of **DIRRC** (Disasters: Interdisciplinary Recognition and Response Course) – an on-line and classroom seminar for students of the Medical College of Ohio presented 4/04 & 4/05. Collaborators: K. Burkholder-Allen RN, C. Budd, RN & M. Bisesi, PhD.

Creator and presenter: “**A Botulism Table-Top**”. Metropolitan Chicago Healthcare Council’s Annual Bioterrorism Conference. Chicago, IL. June 23, 2005.

Technical Committee Member, Consultant: **Radiological Terrorism** (VHS/DVD). Emergency Film Group, Edgartown, MA. 2004.

Co-creator and developer of **HARRT** (Hospital All-Hazards Recognition and Response Training)—an 8 hour seminar for hospital personnel at all levels linking disaster management principles with anti-terrorism preparedness and response; sponsored by The Ohio Hospital

Association and conducted in principal cities in Ohio (11/18/03, 12/02/03, 12/09/03, 1/27/04, 10/26/04 and 4/05). Collaborators: K. Burkholder-Allen RN & C. Budd RN.

Technical Committee Member, Consultant: **Terrorism: Medical Response** (VHS/DVD). Emergency Film Group, Edgartown, MA. 2002.

Author, *Bioterrorism for Physicians: A Practical Approach*. CD ROM and on-line lecture for World Medical Leaders (WML.com), 2002.

Consultant and Author of Foreword for **Bioterrorism: How to Survive the 25 Most Dangerous Biological Weapons**. Kennsington Books, New York City, 2002.

Co-creator and developer of **BATELS** (Basic Anti-Terrorism Emergency LifeSavingSkills course) - a 4-, 6-, and 8 hour seminar for the lay public, disaster management officials and health care professionals. Presented to University of Findlay students and Medical University of Ohio medical students and residents 2001, 2002, 2003. Also presented throughout Ohio as a “train-the-trainer” program under an AHEC grant in 2002-2003 (Kathy Vasquez, AHEC coordinator, MUO). Collaborators: K. Burkholder-Allen RN & C. Budd RN.

Co-creator, developer, and principal investigator of the **Bioterrorism Recognition and Response Wall Chart** that has been distributed to all hospitals throughout the United States under an MIPT grant (~5,000); approximately another 3,000 have been distributed to emergency physicians, EMS agencies, schools and security departments. 2002-2003.

Creator, ***Bio-Terry Quik-Vu Cards I & II***- A Rapid Reference to Recognize Signs and Symptoms of Bioterrorist Agents, 2001 & 2003.

Developer of educational content regarding recognition of and response to biological terrorism for *Physician On-Line* and *Practical Reviews in Emergency Medicine* websites, 2001.

Author, **Bio-Terry: A Stat Manual to Identify and Treat Diseases of Biological Terrorism**. Published by ProMedica Air and Mobile Medical Transportation Network, ProMedica Health System, 2000 and by MASCAP, Inc., 2001; revised 2002, 2003, 2006. Subsequently peer-reviewed and published in German for German and Austrian markets, 2002.

Creator, ***Emergency Department MCI Command System*** (a commercial product to improve ED efficiency during a disaster), 1994.

Presentations (Most Recent)

Tactical EMS Field Training – Toledo SWAT Team, Center for Emergency Preparedness, Walbridge, OH, June 2010.

“Street Drugs”, Second Annual Lenawee County (MI) Emergency Services School. Sienna Heights University, Adrian, MI, May 2010.

“Evacuate: Hospitals in Crisis”, Great Lakes Emergency Nurses Council. St. Ann’s Hospital, Toledo, Ohio. May 2010.

“Organophosphate Poisoning”, EM Resident Curriculum, University of Toledo, May 2010.

“Emergency Management after Ingestion of Alcohols”, The Toledo Hospital, May 2010.

“Transportation Issues for the Elderly Patient during Disasters”, University of Michigan’s Center for Advancing Safe Transportation throughout the Lifespan: 2010 Transportation and Research Conference. Ann Arbor, MI., Apr 2010.

“Chemical & Physical Lung Irritants”, EM Resident Curriculum, University of Toledo, Apr 2010.

“Disaster and the Older Adult”, 14th Annual Geriatric Medicine Symposium: Interventions to Safeguard Our Older Adults. University of Toledo College of Medicine, Office of Geriatric Medicine and the Ohio Geriatric Society, Mar 2010.

“Evacuate: Your Hospital in Peril”, EM Grand Rounds, University of Toledo, Feb 2010.

“Pile-Up: A multimedia, interdisciplinary, audience-participation table-top exercise”, University of Toledo, Nov 2009.

“Rhabdomyolysis”, EM Resident Curriculum, University of Toledo, Nov 2009.

“Anatomy of an Explosion”, Trauma Update: Hot Topics in Trauma Care. The Toledo Hospital, Toledo Children’s Hospital, Health, Education and Research Corporation, ProMedica Health System, Nov 2009.

“Rabies”, EM Resident Curriculum, University of Toledo, Oct 2009.

“Introduction to Blast Injury, Bioterrorism, and Chemical Terrorism”, Tactical EMS Course, Owens Community College Center for Emergency Preparedness, Perrysburg, OH; Spring & Fall, 2009.

“Radiation Injury”, EM Resident Curriculum, University of Toledo, Sep 2009.

“An Algorithm for the Evaluation and Management of Red, Yellow, and Green Zone Patients during a Botulism Mass Casualty Incident”, 3rd Annual AFIT/WSU CBRNE Conference, Dayton, OH, Sept 2009.

“Latest Ripples in Disaster Response”, Defiance Regional Medical Center, Aug 2009.

“Headache”, EM Resident Education Symposium, University of Toledo, Jul 2009.

Basic Disaster Life Support Course, St. Luke’s Hospital, Maumee, OH, Jul 2009-10.

Procedural Cadaver Lab, EM Residency, University of Toledo College of Medicine, Jul 2009-10.

Lecture Series: The Rapid Response Team, Bay Park Community Hospital, Oregon, OH, Apr 2008 – Apr 2009.