

# Churton A. Budd, RN, EMT-P

1760 Glen Ellyn Dr.

Toledo, Ohio 43614

(419) 381-1959

[churton.budd@utoledo.edu](mailto:churton.budd@utoledo.edu)

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## EDUCATION

### Formal Education:

- 3/20/1993 The University of Toledo, Community & Technical College: Toledo, OH  
Degree: Associate of Applied Science in Nursing
- 6/15/1991 The University of Toledo: Toledo, OH Degree: Bachelor of Arts, Biology
- 7/10/1987 The Medical College of Ohio, School of Allied Health: Toledo, OH  
Certificate: Modular Paramedic Program
- 5/5/1986 Bowling Green State University: Bowling Green, OH  
Major: Biology/Pre-Medicine Minor: Computer Science
- 1/1/1985 Emergency Training Assoc.: Northwood, OH  
Certificate: Victim (Heavy) Rescue
- 10/1/1984 Penta Co. Vocational School: Northwood, OH  
Certificate: Emergency Medical Technician-A
- 5/28/1982 St. John's High School: Toledo, OH

### Continuing Education:

#### McKesson Application Training and Education:

OMT100	STAR Clinical Patient Care:Order Mgmt App	Finished	4/1/1998
OMT200	STAR Clinical Patient Care: Order Mgmt Build	Finished	4/1/1998
ORD100	HOM - Orders Application	Finished	4/17/1998
TEC100	Pathways Care Manager: Technical Systems	Finished	4/17/1998
TOL100	Horizon Infrastructure - Tools (Release 10.x)	Finished	4/17/1998
ORD800	Horizon Order Management Upgrade 6.2.5 to 7.1: Orders	Finished	6/25/2001
TOL880U	HCI 6.8 Upg: New Table Release Process and New Table Access Tool	Finished	8/23/2001
TOL881U	Horizon Clinical Infrastructure 6.8 Upgrade: Staff Definition Changes	Finished	8/23/2001
HCR800	Horizon Care Record Overview - see HCR803P	Finished	1/15/2002
HCR801	HorizonWP Care Viewer Setup	Finished	1/17/2002
HPP802	Portal System Administration	Finished	9/9/2002
HPP805	HorizonWP Physician Portal Internal Shared Context	Finished	9/10/2002
HPP803	Portal System Administration - Pages & Personalization	Finished	9/17/2002
HPP803	Portal System Administration - Pages & Personalization	Finished	3/18/2008
PED100	HEC - Tracking Board	Finished	4/21/2008
PED200	HEC - Tools for Standalone Tracking Board	Finished	4/24/2008
HEC110	Horizon Emergency Care - Documentation and Orders	Finished	4/29/2008
HEC210	Horizon Emergency Care - Orders Toolkit	Finished	5/2/2008
HED800C	Horizon Expert Documentation - Charting and Review	Finished	2/23/2009
CLP800C	Clinical Profile - Allergy, Problem and Medication History	Finished	2/23/2009
HCT800C	Intro to HED Configuration Tool	Finished	2/23/2009
ORG801	Horizon Clinicals Care Organizer	Finished	3/9/2009
ORG900E	Introduction to Care Organizer (Release 7.6 SP2 - 10.1)	Finished	(WBT) 3/17/2009
HED100	HED - Charting (Release 10.1.x)	Finished	3/18/2009
CRC100	Horizon Expert Documentation - Critical Care	Finished	3/20/2009
HCT100	Using the HED Configuration Tool	Finished	5/1/2009
CLH100	Clinical Profile - Clinical and Allergy History	Finished	6/19/2009
CLH100T76A	Assessment for CLH100 Apps Release 7.6	Finished	(WBT) 6/19/2009
HAC100I	Horizon Ambulatory Care Application	Finished	9/24/2009
MED920E	Horizon Admin-Rx - Handheld (Release 7.6 SP2)	Finished	(WBT) 10/2/2009
MED930E	Horizon Admin-Rx - Full Screen (Release 7.6 SP2)	Finished	(WBT) 10/2/2009
MED200E	Horizon Admin-Rx: Build (Release 7.6 SP2)	Finished	(WBT) 10/7/2009

MED205E                      Horizon Admin-Rx - Barcode Release 7.6 SP2                      Finished (WBT) 10/10/2009  
HAC200I                      Horizon Ambulatory Care Build                      Finished 10/15/2009

**Information Technology Training and Education:**

4/2 – 4/24/2009              Introduction to Programming Microsoft .NET Applications with Microsoft Visual Studio 2005, New Horizons  
Computer Learning Center, Michigan/Chicago/Cleveland  
4/24 – 4/25/2006              Developing the User Interface for Vignette Portal (7.0)  
4/21 – 4/22/2006              Vignette portal Sys Admin Fast Track (7.2)  
5/13/2004                      Introduction to Java Programming, JDBC and Java Server Pages, University of Toledo Continuing Education.  
10/17/2000                      Introduction to CGI programming with PERL: Westlake Internet Training, Detroit, MI.

**Disaster Management / EMS Training and Education:**

3/6 – 3/8/2006              Weapons of Mass Destruction (WMD) Incident Command Course (IC): US DHS Center for Domestic  
Preparedness  
2/9/2006                      Basic Disaster Life Support: University of Findlay

**PROFESSIONAL DEGREES / CERTIFICATIONS / AWARDS**

- Registered Nurse, State of Ohio
- Emergency Medical Technician - Paramedic
- Basic Life Support Provider
- HAZMAT operations level
- Advanced Cardiac Life Support Provider / Past Instructor
- Pediatric Advanced Life Support Provider / Past Instructor
- Basic Trauma Life Support - Advanced Provider
- Past Advanced Trauma Life Support Asst. Course Coordinator
- Trauma Nurse Core Curriculum Provider
- Basic Disaster Life Support provider
- Extraordinary Community Service - Bravery or courage in life threatening or emergency situations National Disaster Medical System, February 1993
- Outstanding Service Award, Dept. of Health and Human Services - Recognition for work in originating the manuscript for the PHS, Responding to the Consequence of Chemical & Biological Terrorism, July 1995
- Outstanding Achievement Award, National Disaster Medical System - Development and maintenance of the NDMS Computer Bulletin Board System. March 1996
- Outstanding Achievement Award, National Disaster Medical System - Development and maintenance of the NDMS Web Site - April 1998
- Outstanding Achievement Award, National Disaster Medical System – Significant Contributions for the development of the Web Based NDMS Response Team training program, April 2001
- Heartbeat Award, Medical College of Ohio Sept 2001
- Nominee for the Ohio Hospital Association, Health Care Worker of the Year from the Medical College of Ohio – May 2002

**PROFESSIONAL EMPLOYMENT**

05/01/98 - Present              University of Toledo, Clinical Informatics. Position: Systems Analyst, III

2003 – Present                      Co-Founder, ERRATA, LLC (a company dedicated to all-hazards education and consulting)

2003 – Present                      Adjunct Instructor of Public Health; Department of Public Health And Homeland Security, School of Medicine, University of Toledo, Toledo, Ohio

01/00 – 07/2008                      University of Toledo, Emergency Services. Position: Contingent Staff Nurse

11/05/93 - 05/01/98                      Medical College of Ohio, Emergency Services. Position: Staff Nurse

01/95 - 2001                      Instructor, EMS Technology Program: Multiple casualty incidents: Disaster management for the health professional

01/97 - 2001	Vice President, NetEtcetera: Internet, network and computer upgrade consulting and web site construction & maintenance
07/11/94 - 03/95	St. Vincent Medical Center, Emergency Center. Position: Contingent Staff Nurse
10/30/87 - 11/05/93	Medical College of Ohio, Mobile Intensive Care Unit. Position: Chief Paramedic
05/04/87 - 10/30/87	Medical College of Ohio, Pathology Dept. Position: Lab Tech II, Phlebotomist
09/08/86 - 05/04/87	Medical College of Ohio, Pathology Dept. Position: Autopsy Diener, Phlebotomist
12/04/80 - 09/08/86	Medical College of Ohio, Physiology Dept. Position: Lab Tech
10/01/79 - 12/04/80	Medical College of Ohio, Physiology Dept. Position: Physiology Trainee

### **VOLUNTEER ACTIVITIES**

05/01/83 - 12/01/94	Wood County Emergency Management Agency Position: EMT-A & EMT-P on BLS Ambulance service covering the entire county of Wood.
02/01/90 - present	Deputy Commander - Toledo Area Disaster Medical Assistance Teams (DMAT) Past Commander (1995 – 2003). Commanded ~200 MD, RN, EMT, RRT, RX and other volunteers in the Toledo Area DMAT, part of the National Disaster Medical System. This team provides disaster emergency care at the local, state and national level and has deployed to aid disaster victims of Hurricane Andrew '92 in Miami, Florida and Marilyn '95 in St. Thomas, US Virgin Islands. Oversaw all team activities and supervised the team during drills, training and disaster deployments, ensured team safety, obtained equipment and supplies, oversaw staffing and utilization of team resources and liaison between military and civilian support agencies. Currently remain a Supervisory Nurse Clinician on the team.

### **COMITTEES / ORGANIZATIONS**

- Planning Committee: mch Annual Trauma Symposium , 1993, 1994, 1995, 1996
- Planning Committee: mch "Trick or Triage": Conference on triage skills, October 31, 1992
- mch Disaster Preparedness Committee
- mco Internal Disaster Response Team
- mch Bioterrorism Response Task Force
- Founding Member: Ohio Medical Assistance Teams committee
- Member, Health Information Management Systems Society
- Institutional Review Board – Medical University of Ohio 2004 - present

### **PUBLICATIONS / PRESENTATIONS**

Chakraborty J., Budd C.A., Constantinou A. (1984) Use of polyethylene glycol (PEG) as a fusogen for sperm-egg interactions. (Abstract)

Chakraborty J., Budd C.A., Hikim, A.S., Jhunjhunwala J. (1984) Stereological analyses of leydig cells and germ cells of the contralateral testis of guinea pigs with unilateral torsion. Acta Stereol, 2:63-166.

Chakraborty J., Budd C.A., Hikim, A.S. Jhunjhunwala J. (1984) Germ cell degeneration in the contralateral testis of the guinea pig with unilateral torsion of the spermatic cord. J. Urol, :10.

Jhunjhunwala JS, Sinha Hikim AP, Budd CA, Chakraborty J. (1986) Germ cell degeneration in the contralateral testis of the guinea pig with unilateral torsion of the spermatic cord. Quantitative and ultrastructural studies. *J Androl.* 1986 Jan-Feb;7(1):16-22.

Frankel R., Ronau T., Budd C.A., Metting P., Britton S. Microcomputer analysis of beat-to-beat variations in cardiovascular variables. *Bio Eng Phys* (pending publication, 1993)

Budd, C. A., (1993) Lecture: The Utility of Computer Electronic Mail for Disaster Teams. NDMS Conference '93 San Antonio, Tx.

Budd, C. A., (1994) The National Disaster Medical System, DMAT's and the soon to be operational NDMS Electronic Bulletin Board System (BBS). *SALEMDUG Newsletter*, Jan '94.

Burkholder-Allen, K., Rega, P., Budd, C.A. (1994) An Analysis of Patient Satisfaction with one DMAT's performance during Hurricane Andrew. ABSTRACT: 2nd Annual Symposium on Disaster Medical Issues, Albuquerque, New Mexico, Oct '94

Burkholder-Allen, K., Rega, P., Budd, C.A. (1994) An Analysis of Patient Satisfaction with one DMAT's performance during Hurricane Andrew Relief Efforts. *Journal of Prehosp & Disaster Medicine* 1995; 10; 92.

Rega, Budd, Burkholder-Allen, Eboch, Warso. (1995) DMAT Outreach Severity Score. NDMS Conference '95 Poster Presentation, Nashville, Tn, 1995

Warso, Budd. (1995). Home Locations of Patients Treated by DMAT Personnel following Hurricane Andrew. NDMS Conference '95 Poster Session, Nashville, TN, 1995

Rega P, Budd C, Burkholder-Allen K. "OUTREACH: Another DMAT's Perspective". Letter to the editor. *Prehospital and Disaster Medicine* 1998

Burkholder-Allen, K., Rega, P., and Budd, C.: Analysis of Patient Satisfaction with One DMAT's Performance During Hurricane Andrew Relief Efforts. *PDM* 1995; 10(1) s.91 (abstract). Presented at the Second Annual Symposium: Disaster Medical Issues, Albuquerque, NM.

Budd. (1996). Utilization of a DMAT for non-disaster missions. NDMS Conference '96 Poster Session, San Diego, CA, 1996

Colombo, J.B., Peterson, W., Thackeray, J., and et al: Disaster Medicine Education in Medical School Curricula. *Ann Emerg Med*; 35(5) s.45 (abstract). Poster presentation at the 8<sup>th</sup> International Conference on Emergency Medicine, Boston, MA (2000).

Budd C, Burkholder-Allen K, Rega P, Vasquez K. AHEC in the Age of Terrorism. *The National AHEC Organization Bulletin.* Autumn, 2003.

Budd C, Burkholder-Allen K, Rega P and Vasquez K (2003) AHEC in the age of terrorism. *The National AHEC Bulletin*, 20(1):24-25.

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, Burkholder-Allen K, Budd C, Bisesi M. The Global Epidemic Recognition and Management (GERM) Chart: A Prototype. 14<sup>th</sup> World Association of Disaster and Emergency Medicine Conference, Edinburgh, Scotland, May 19, 2005.

Budd, C.A. (2006). Informatics and Telecommunications in Disaster. In [editor-in-chief], Gregory R. Ciottone ; associate editors, Philip D. Anderson ... [et al.], *Disaster Medicine* (Chap. 21). Mosby Elsevier.

Rega P, Burkholder-Allen K, Budd C. Abstract: A Hospital Template Tool-Kit for the Efficacious Evaluation and Management of Victims of a Botulism Mass-Casualty Incident. 15<sup>th</sup> World Congress on Disaster and Emergency

Medicine (WCDEM 2007) May 2007. Published in the Journal Prehospital and Disaster Medicine (2007) Vol 22, Issue 2, Supplement 1

Budd, C. Insight Annual Conference (McKesson Users Group) Session #2008: *Unique and Novel Methods of Drawing Data From the Horizon Clinicals and Reporting*. Atlanta, Ga. October 2007

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.

Burkholder-Allen K, Rega P, Bork C, Budd C. Botulism Questionnaire: A tactical tool for community use in a mass casualty incident. *Nursing & Health Sciences* 2009; 11(4) 374-377

## **SPECIAL PROJECTS**

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.

Lucas County EMS 3-hour seminar on disaster preparedness and response. 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. Commencement January, 2006.

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

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 P. Rega, MD.

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, P. Rega, MD & 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, P. Rega, MD & M. Bisesi, PhD.

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 & P. Rega, MD

Co-creator and developer of **BATELS** (Basic Anti-Terrorism Emergency Life Saving Skills course) - a 4-, 6-, and 8 hour seminar for the lay public, disaster management officials and health care professionals. Presented to Medical University of Ohio medical students and residents bi-annually as an elective course (1998 -2001) and as a mandatory course (2001 – 2004). Also presented throughout Ohio as a “train-the-trainer” program under an AHEC grant in 2002-2003. Collaborators: K. Burkholder-Allen RN & P. Rega, MD.

## **Grants**

National Area Health Education Center (2002) - Develop and institute an educational seminar including a train-the-trainer program entitled ***BATELS*** (Basic Anti-Terrorism Emergency Life-Saving Skills course) to underserved health care providers. Co-creators: K. Burkholder-Allen, RN & P. Rega, MD. - \$35,560.00