

Curriculum Vitae
Thomas Harold Blackwell, MD, FACEP

Personal Information

Business Address: Greenville County Emergency Medical Services
301 University Ridge
Greenville, South Carolina 29601

Phone: Work: (864) 467-7006

Current Position: Executive Director
Greenville County Emergency Medical Services
Greenville, SC

Professor of Emergency Medicine
University of SC School of Medicine Greenville
Prisma Health
Greenville, SC

Chief Executive Officer, MED-1 Partners, LLC
Charlotte, NC - Bethesda, MD

Academic Appointment

Clinical Assistant Professor 1992-2001

Department of Emergency Medicine
School of Medicine
University of North Carolina-Chapel Hill

Clinical Associate Professor 2001-2009

Department of Emergency Medicine
School of Medicine
University of North Carolina-Chapel Hill

Clinical Professor 2010-Present

Department of Emergency Medicine
School of Medicine
University of North Carolina-Chapel Hill

Adjunct Associate Professor 2006-2009

Transportation and Policy Studies

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Thomas H. Blackwell, M.D.

Center for Homeland Security and
Major Disaster Management
University of North Carolina-Charlotte
Adjunct Associate Professor 2009-2010
Graduate Faculty
Department of Public Health Sciences
University of North Carolina-Charlotte
Adjunct Professor 2010-Present
Transportation and Policy Studies
Center for Homeland Security and
Major Disaster Management
University of North Carolina-Charlotte
Adjunct Professor 2010-Present
Graduate Faculty
Department of Public Health Sciences
University of North Carolina-Charlotte
Professor 2012-Preent
Department of Emergency Medicine
University of South Carolina School of Medicine Greenville
Greenville Health System
Clinical Professor 2015-Present
School of Health Research
Clemson University

Education

Bachelor of Science-Biology 1977-1981
Honors
The Citadel Military College
Charleston, South Carolina
Doctor of Medicine 1984-1988
Cum Laude
Creighton University
School of Medicine
Omaha, Nebraska
Internship - Emergency Medicine 1988-1989
University of Cincinnati Medical Center
Cincinnati, Ohio
Residency - Emergency Medicine 1989-1992
University of Cincinnati Medical Center
Cincinnati, Ohio

Employment History

Executive Director, Greenville County EMS 2019-present
Greenville, South Carolina

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Professor of Emergency Medicine University of SC School of Medicine Greenville Greenville, South Carolina	2012-present
Assistant Dean, Longitudinal Clinical Education University of SC School of Medicine Greenville Greenville, South Carolina	2014-2020
Attending Physician Department of Emergency Medicine Greenville Memorial Hospital Greenville, South Carolina	2012-Present
Chief Executive Officer MED-1 Partners Charlotte, North Carolina Bethesda, Maryland	2007-Present
Attending Physician Department of Emergency Medicine Carolinas Medical Center Charlotte, North Carolina	1992-2010
Staff Physician (part time) Emergency Department Mercy Hospital Charlotte, North Carolina	1995-2010
Staff Physician (part time) Emergency Department Mercy South Hospital Charlotte, North Carolina	1995-2010
Staff Physician (part time) Emergency Department Cabarrus Memorial Hospital Concord, North Carolina	1993-1995
Staff Physician-Critical Care (part time) Mercy Hospital-Fairfield Fairfield, Ohio	1991-1992
Staff Physician (part time) Emergency Department The Jewish Hospital-Kenwood Cincinnati, Ohio	1990-1991
Staff Physician (part time) Emergency Department The Christ Hospital Cincinnati, Ohio	1990-1992
Resident-Emergency Medicine/House Physician St. Luke Hospital West Florence, Kentucky	1989-1990

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Resident-Emergency Medicine 1988-1992
University of Cincinnati Medical Center
Cincinnati, Ohio

Certification/Licensure

National Board of Medical Examiners #359180	1989
Ohio State Medical Licensure #35059154	1989
Kentucky State Medical Licensure #TP969	1989
North Carolina Medical Licensure #35587	1992
South Carolina Medical Licensure #34991	2012
Drug Enforcement Agency	1989
South Carolina Controlled Substance Act	2012
Advanced Cardiac Life Support-Instructor	1988
Pediatric Advanced Life Support	1991
Advanced Trauma Life Support Provider	2002
Diplomat - American Board of Emergency Medicine	1994, 2004, 2014
Fellow - American College of Emergency Physicians	1996
Fellow - Academy of Emergency Medical Services	2016

Professional Societies, Committees, and Appointments

Who's Who in American Colleges and Universities	1981
American Medical Association	1987-1992
American College of Emergency Physicians	1987-Present
Emergency Medical Services Section	1991-Present
EMS Committee	2000-2004
Emergency Medicine Resident's Association	1987-1992
Ohio Chapter-American College of Emergency Physician	1988-1992
Hamilton County Prehospital Operations Committee	1988-1992
Paramedic Protocol Subcommittee	1990-1992
Examiner, National Registry Paramedic Examination	1989-Present
Emergency Medicine Club	1990-1992
University of Cincinnati, School of Medicine	
Diplomate, American Board of Emergency Medicine	1994-Present
Fellow, American College of Emergency Physicians	1996-Present
National Association of EMS Physicians	1991-Present
Board of Directors	1999-2003
Education Committee	1996-1999
Nominating Committee	1994-1996, 1998-1999
Program Committee	1996-Present
Chair, Program Committee	1999-2001
Program Chair – Summer Conference	1998
Lake Tahoe, Nevada	
Program Co-chair – Annual Conference	2000
Laguna, California	

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Program Chair – Annual Conference Sanibel Island, Florida	2001
Operational Task Force	2000-Present
Chair, HazMat / Terrorism Subcommittee	2000-2002
Chair, EMS Preparedness Subcommittee	2002-2003
Chair, Terrorism Response Ad Hoc Committee	2001-2003
Medical Response to Terrorism Course	
Principal Author	2002
Steering Committee	2003-2005
Liaison to the Centers for Disease Control and Prevention for Clinician Organizations for Terrorism Preparedness and Response	2003
Medical Director’s Course Faculty	2009-Present
Society for Academic Emergency Medicine	1992-2010
EMS Committee	1993-1995
North Carolina Medical Society	1992-Present
Mecklenburg County Medical Society	1992-Present
Disaster and Emergency Care Committee	1992-2006
Community Preparedness Committee	2006-Present
Mecklenburg Emergency Medical Advisory Council	1992-1996
Chair, Medical Subcommittee	1992-1996
Mecklenburg County EMS	
Audit and Review Committee	1992-1996
Emergency Medical Dispatch Quality Improvement Committee	1993-1996
Mecklenburg EMS Agency	
Medical Control Board	1996-2010
Emergency Medical Dispatch Quality Improvement Committee	1996-2010
Chair, Quality Management Committee	2004-2010
Chair, Cardiac Subcommittee	2004-2010
Carolinas Medical Center	
Disaster and Emergency Preparedness Committee	1992-2010
Department of Emergency Medicine Education Committee	1992-2010
Trauma Committee	1992-2010
MedCenter Air Flight Service Advisory Committee	1992-2010
Hemby Pediatric Trauma QA Committee	1993-1998
North Carolina Office of Emergency Medical Services	
Emergency Medical Dispatch Task Force	1994-1995
Advisory Member, State Medical Assistance Team-2	2002-2003
Curriculum Working Group	1994-1995
Representative-National Association of EMS Physicians	
Department of Transportation	
National Highway Traffic Safety Administration	
North Carolina Public Health Regional Surveillance Team-7	2003-Present
North Carolina Committee on Trauma	2007-Present

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Vice Chair, Disaster Committee	
North Carolina EMS Advisory Committee	2007-2011
Compliance Committee	
Rules Task Force	
American Board of Emergency Medicine	2011-2013
EMS Medicine Subspecialization Task Force	
University of South Carolina School of Medicine Greenville	
White Coat Ceremony Committee	2012-Present
EMT Program director	2012-Present
Admissions Committee	2013-Present
Admissions Committee Selection Subcommittee	2014-Present
M1/M2 Subcommittee	2014-Present
M3/M4 Subcommittee	2014-Present
Cardiovascular-Pulmonary Co-Module Director	2013-2014
American Board of Emergency Medicine	2011-Present
Oral Board Examiner	2013-Present
Greenville Health System	
Trauma Peer review Committee	2012-Present
Trauma Outcomes Committee	2012-Present
Academic Council	2014-Present
Academic Advisory Council	2014-Present
Throughput Committee	2016-Present
Discharge Planning Committee	2016-Present
Disaster-Preparedness Steering Committee	2016-Present
Greenville Technical College	2015-2020
Emergency Medical Technology Advisory Committee	
The Citadel Military College,	
Swain Department of Nursing Advisory Committee	2015-2017
Fellow, Academy of Emergency Medical Services	2016-Present
Medical Advisory Committee	2016-2017
Greenville County Emergency Medical Services	
Annual Swamp Rabbit Prehospital Medicine Symposium	
Co-Chair	2015-2017
Chair	2018
The Citadel Military College	2020
President's Advisory Board for COVID-19	
 <u>Administrative Activities</u>	
Medical Director-Northern Hills Fire Department	1989-1992
Cincinnati, Ohio	
Flight Physician-University Air Care	1989-1992
University of Cincinnati Medical Center	
Chief Resident	1991-1992
Department of Emergency Medicine	

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Thomas H. Blackwell, M.D.

University of Cincinnati Medical Center
Liaison - North Carolina College of Emergency Physicians and North Carolina Association of Paramedics 1992-1999

Instructor/Coordinator - Base Station Telemetry Course 1987-1988
Department of Emergency Medicine
University of Cincinnati Medical Center

Director - Base Station Telemetry Course 1992-2010
Department of Emergency Medicine
Carolinas Medical Center

Medical Director
Mecklenburg County Emergency Medical Services 1992-1996
Mecklenburg Emergency Medical Services Agency 1996-2010

Medical Director 1996-2010
Charlotte Fire Department and
14 Mecklenburg County Volunteer Fire and Rescue Organizations 1992-2010

Fellowship Director 1992-2010
EMS Fellowship Program
Department of Emergency Medicine
Carolinas Medical Center

Medical Director 1992-1996
EMT-Defibrillator Upgrade Project
Charlotte Fire Department

Medical Director 1993-1995
Finish Line Hospital
Charlotte Observer Marathon

Regional Judge
North Carolina Office of EMS 1993-1995
Paramedic Competition

Medical Director and Advisor 1994-2010
EMT and Paramedic Educational Programs
Department of Corporate and Continuing Education
Central Piedmont Community College

Medical Director 1996-2010
Charlotte-Mecklenburg Police Department
SWAT Tactical Medical Team
Aviation Unit

Medical Director
Charlotte FBI SWAT Tactical Medical Team 1997-2010

Medical Director 1995-2010
The Center for Prehospital Medicine
Paramedic Education Program
Carolinas College of Health Sciences
Carolinas Medical Center

Medical Director

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Special Events Medical Service	
Carolinas Medical Center	
Bank of America Stadium (Carolina Panthers)	1996-2010
Charlotte Motor Speedway (NASCAR)	1998-2010
Charlotte Coliseum	1998-2010
Knights' Stadium	1998-2010
Charlotte Convention Center	1998-2010
Bojangles' Coliseum	1998-2010
Ovens Auditorium	1998-2010
Quail Hollow Championship (PGA)	2003-2010
Medical Director	1998-2010
Carowinds Theme Park	
Medical Director	2004-2010
Charlotte State Medical Assistance Team-3	
Assistant Medical Examiner	1997-Present
Mecklenburg County Medical Examiner's Office	
Medical Director	2000-2010
United States Secret Service-Charlotte Office	
International Observer	
Military Medical Field Operations	2000
Abu Dhabi, United Arab Emirates	
Advisory Committee	2001
Certification Board for EMS Education	
American College of Emergency Physicians	
Invited Guest	2001-2002
Turtle Creek EMS Consensus Conference	
Dallas, Texas	
Assistant Medical Director	2004-2010
Mecklenburg County Health Department	
Faculty Advisor	
Emergency Medicine Interest Group	2012-Present
Prehospital and Disaster Medicine Interest Group	2018-Present
University of South Carolina School of Medicine Greenville	
Medical Director	2016-Present
Greenville City Police Department (Greenville, SC)	
Oconee County Emergency Services (Oconee County, SC)	
Inman Community Fire Department (Spartanburg County, SC)	
Division Chief, Prehospital Medicine	2017-2019
Department of Emergency Medicine	
Greenville Health System	
<u>Teaching Responsibilities</u>	
University of Cincinnati	1988-1992
Emergency Medicine Resident Lecture Series	

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Hamilton County	1988-1992
Paramedic Continuing Medical Education Series	
Northern Kentucky Emergency Medical Services	1988-1992
Instructor, Cincinnati-Northern Kentucky International Airport	1990-1992
Fire Department Crash-Rescue Squad	
Instructor, University of Cincinnati Medical Center	1988-1992
Paramedic Training Program	
Attending Physician	1992-2010
Department of Emergency Medicine	
Carolinas Medical Center	
EMS Fellowship Director	1992-2010
Department of Emergency Medicine	
Carolinas Medical Center	
Medical Director	1992-2010
The Center for Prehospital Medicine	
Paramedic Training Program	
Medical Director	
Central Piedmont Community College	
Charlotte Fire Department EMT-Defibrillator Program	1992-2010
Charlotte Fire Department Core Medical Team Project	2004-2010
Module Director	
EMT Training Program	2012-Present
University of South Carolina School of Medicine Greenville	
Academic Administrator, Clinical Education	2013-2015
 <u>Community Activities</u>	
Special Operations Response Team	1992-1995
North Carolina Disaster Medical Assistance Team	
United States Public Health Service	
Mecklenburg County Blue Ribbon Commission for the	1996-1997
Improvement of Prehospital Emergency Care	
(Appointed by the Board of County Commissioners)	
Mecklenburg County	1996-Present
Local Emergency Planning Advisory Council	
(Appointed by the Board of County Commissioners)	
EMS Advisory Committee	1999-2000
Duke Endowment	
Charlotte-Mecklenburg Joint Terrorism Management Team	1999-2010
Interagency Coordinators Team	
Policy and Financial Committees	
Charlotte-Mecklenburg Advanced Local Emergency Response Team	1998-Present
Medical Director and Program Manager	
Terrorism Advisory Committee to Rep. Sue Myrick (R-NC)	2002-Present
Charlotte-Mecklenburg All-Hazards Advisory Committee	2003-Present

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Thomas H. Blackwell, M.D.

Charlotte Fire Department State Medical Assistance Team-3
Medical Director 2004-2010

Operational/Leadership

Incident Commander September-October, 2005
North Carolina State Medical Assistance Team
Carolinas MED-1
Medical Response to Hurricane Katrina
Waveland and Bay St. Louis, Mississippi

Incident Commander February-March, 2006
Carolinas MED-1
Surge Capacity Support
New Orleans, Louisiana

Incident Commander June-August, 2008
Carolinas MED-1
Support for Midwest Flooding-Columbus Regional Hospital
Columbus, Indiana

Research and Publications

Non Peer-Reviewed Articles

University of Cincinnati Emergency Medicine Newsletter:

Blackwell T: Pathophysiology and management of peptic ulcer disease.

Blackwell T: Acute electrical injuries.

Blackwell T: Emergency evaluation and management of migraine headaches.

Blackwell T: Diagnosis and emergency management of aortic aneurysms.

Blackwell T: Repair of extensor tendons in the Emergency Department.

Blackwell T: Emergency Department presentation of superficial and deep fungal diseases.

Blackwell T: Aortic Aneurysms. Newsletter for the Northern Kentucky Medical Society. July, 1991.

Brown AS, Mott JA, Norris JM, Lavonas E, Kerns WP, Tomaszewski C, **Blackwell T**,
McCormick GE. "Descriptive Epidemiology of Carbon Monoxide Poisoned Cases, Mecklenburg
County, NC, December 2002". Atlanta: CDC, Nov 14, 2003. A report to the North Carolina
Department of Health and Human Services.

Blackwell T: Medical Response to Terrorism. Developed for the National Association of EMS
Physicians and used to support the National Disaster Life Support Course. Available on the
organization website at www.naemsp.org.

Youkey J, **Blackwell T**. Emergency medical technician training for medical students: A foundational
experience. Medical Training, 2017;6:6-9.

Peer-Reviewed Abstracts

Blackwell T, et al: Treatment of Arsine gas poisoning - a retrospective "case controlled" study. J.
Human & Veterinarian Medicine, 1990;32:362.

Blackwell T, Stern S, Dronen S: Effect of aggressive resuscitation on coagulation in uncontrolled
hemorrhagic shock in swine. Ann Emerg Med, 1992;21:593.

Roberts D, **Blackwell T**, Marx J: Emergency medical care for spectators attending National Football

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Thomas H. Blackwell, M.D.

- League games. Prehosp Disast Med, 1995;Oct-Dec.
- Sasser S, Brokaw M, **Blackwell T**: Paramedic versus emergency physician decisions regarding the need for emergency department evaluation. Acad Emerg Med. Spring 1998.
- Kaufman JS, McDermott TD, **Blackwell TH**. Relation between community median income and 1996 emergency services transport time in a metropolitan U.S. county. Am J Epidemiol 1999; 149(11): S46.
- Ossmann E, Sasser S, **Blackwell T**. Biphasic external defibrillation in an urban EMS system. Prehosp Emerg Care, 1999; 3(1):85.
- Apfelbaum J, Mitchell K, **Blackwell T**. Invasive airway techniques in the tactical EMS environment: a comparison of endotracheal intubation, digital intubation, and the laryngeal mask airway. Prehosp Emerg Care, 2000; 4(1):89.
- Blackwell T**, Kaufman J. Response time effectiveness: comparison of prehospital response time and survival in a metropolitan county. Prehosp Emerg Care, 2000; 4(1):97.
- Duncan BR, Myers B, **Blackwell TH**, Watts BA. The effect of incorporating automatic external defibrillators into an airport emergency medical response system. Prehosp Emerg Care, 2000;5:103.
- Duncan BR, Myers B, **Blackwell TH**, Watts BA. Comparison of three alternative methodologies for delivering paramedic continuing education. Prehosp Emerg Care, 2000 ;5: 113.
- White RD, **Blackwell TH**, Russell JK. The influence of transthoracic impedance on defibrillation, resuscitation, and survival in out-of-hospital cardiac arrest treated by basic life support providers with an impedance-compensated biphasic waveform automatic external defibrillator. Ann Emerg Med, 2002; 40(4):595-596.
- Hasan N, **Blackwell, TH**. Rehabilitation following physical stress and endurance in police, fire, and emergency medical responders affiliated with a terrorism response team. Prehosp Emerg Care, 2003; 7:165.
- Hasan N, **Blackwell TH**. Physical stress and endurance capabilities in police, fire, and emergency medical responders affiliated with a terrorism response team. Prehosp Emerg Care, 2003; 7:177.
- Lavonas E, Tomaszewski C, Kerns W, **Blackwell T**. Epidemic carbon monoxide poisoning despite a CO alarm law. Journal of Toxicology / Clinical Toxicology, 2003, 41:711.
- Busko J, **Blackwell T**. Impact of reassigning dispatched ambulances from lower- to higher-priority calls. Prehosp Emerg Care, 2004; 8:105.
- Busko J, **Blackwell T**. A descriptive cross-sectional survey of exhaled carbon monoxide levels amongst firefighters at a training fire. Prehosp Emerg Care, 2004; 8:111.
- Raymond LW, Barringer TA, **Blackwell TH**, Konen JC. Heat stress testing of hazmat workers: pilot test of a new protocol. Journal of Investigative Medicine, 2004, 52:S124.
- Raymond LW, Barringer TA, Konen JC, **Blackwell TH**. Heat stress testing for hazmat duty: Result of pilot study of a new protocol. Journal of Environmental Medicine, 2004, 46:999.
- Asimos AW, Norton HJ, Rosamond W, **Blackwell T**, Price MF, Cheek WM. Compliance and impact of including the Los Angeles Prehospital Stroke Screen (LAPSS) into a paramedic protocols. Acad Emerg Med, 2004; 11:539.
- Busko JM, **Blackwell TH**, Raymond L. Stress test performance does not predict manikin rescue performance. Prehosp Emerg Care, 2005; 9:109.
- Hannum J, Busko JM, Dix S, **Blackwell TH**, Mostafa G, Sing RF. Description of 33 prehospital needle chest decompressions for presumed tension pneumothorax. Prehosp Emerg Care, 2005; 9:125.

Curriculum Vitae
Thomas H. Blackwell, M.D.

- Busko JM, **Blackwell TH**, Hicks M. Impact of a large ice storm on EMS operations. Prehosp Emerg Care, 2005; 9:132.
- Raymond LW, Barringer TA, **Blackwell TH**, Konen JC. Hearing loss was not associated with arterial blood pressure in firefighters or other candidates for hazardous duty. J Invest Med, 2005; 53:103.
- Raymond LW, **Blackwell TH**, Barringer TA, Konen JC. Hearing loss develops early in firefighters and is greater in the left ear. J Invest Med, 2005; 53:103.
- Stevens R, Rochester A, Busko J, **Blackwell T**, Schwartz D, Argenta A, Sing R. Prehospital needle thoracostomy for decompression of suspected pneumothorax: efficacy prediction by computed tomography of the chest. J Trauma, 2006; 1570.
- Blackwell T**, Kline J, Willis J, Hicks M. Lack of association between prehospital response times and patient outcomes. Prehosp Emerg Care, 2007; 11:115.
- Blackwell T**, Garvey L, Wilson H, Collier K. Improved time to percutaneous coronary intervention following implementation of a prehospital "Code STEMI" protocol. Prehosp Emerg Care, 2007; 11: 110-111.
- Wilson H, Garvey L, Collier K, Pye P, Lail A, Humphrey A, **Blackwell T**. A Rapid Response Trauma Approach Drops Reperfusion Time in ST Elevation Myocardial Infarction. American College of Cardiology.
- Threlkeld M, French D, **Blackwell T**. Does Patient-Selected Music Played During Ambulance Transport Decrease Patient Anxiety? Prehosp Emerg Care, 2008;12:110-111.
- Thestrup L, Montoya J, Sasser H, **Blackwell T**. Identification and evaluation of low acuity patients requesting but not necessarily requiring EMS response: the OMEGA-Nurse Call Center Project, Phase I. Prehosp Emerg Care, 2009;13:146.
- Garvey LJ, **Blackwell TH**, Humphrey AD, Collier K, Pye PM, Haber RH, Wilson BH. Primary coronary intervention reperfusion times less than 60 minutes are associated with improved survival in ST-segment elevation myocardial infarction. Prehosp Emerg Care, 2009;13: 109.
- Reades R, **Blackwell TH**, Wilson BH, Niess G, Valeri S, Fletcher S, Watling B, Garvey JL. STEMI treatment times with 'first medical contact' defined as the time of 911 call receipt. Prehosp Emerg Care, 2009;13:108.
- Wilson H, Humphrey A, Haber RH, Cedarholm JC, Kowalchuk GK, Rinaldi MJ, Downey WE, Collier KM, Pye PM, Miller DA, Sarafin JL, **Blackwell T**, Garvey JL. Achieving First Door-to-Balloon Times of 90 Minutes for Transfer ST-Elevation Myocardial Infarction. American College of Cardiology.
- Studnek JR, Garvey L, **Blackwell T**, Vandeventer S, Ward S. The Association between Prehospital STEMI Benchmark Times and System Performance. Prehosp Emerg Care, 2009;13:108.
- Studnek JR, Thestrup L, **Blackwell T**. Secondary Triage of Low Acuity 911 Callers Using a Nurse Advice Line. Prehosp Emerg Care, 2009;13:108.
- Studnek JR, Garvey L, **Blackwell T**, Vandeventer S, Ward S. The association between Prehospital STEMI Benchmark Times and System Performance. Prehosp Emerg Care, 2010;14 Suppl 1:5.
- Studnek JR, Thestrup L, **Blackwell T**. Secondary Triage of Low Acuity 911 Callers Using a Nurse Advice Line. Prehosp Emerg Care, 2010;14 Suppl 1:153.
- Garrett J, Studnek JR, **Blackwell T**, Reades R, Troyer J. Cost-effectiveness analysis of a prehospital termination-of-resuscitation protocol for nontraumatic cardiac arrests. Prehosp Emerg Care, 2012; 16:5.
- Blackwell T**, Halsey M, Reinovsky J. Emergency Medical Technician Training for Medical Students: a

Two-Year Experience. Prehosp Emerg Care, 2016; 20:160.

Peer-Reviewed Articles

1. Trott A, **Blackwell T**: Academic emergency medicine in United States medical schools. Ann Emerg Med. 21:952-955, 1992.
PMID: 1497163.
2. **Blackwell T**: Prehospital Care: Advances in Trauma. Emerg Med Clin NA Volume 11, Number 1, Feb. 1993.
PMID: 8432242.
3. Roberts D, **Blackwell T**, Marx J: Emergency medical care for spectators attending National Football League games: Prehosp Emerg Care, 1997; 1:149-155.
PMID: 9709358.
4. Wayne MA, Delbridge TR, Ornato JP, Swor RA, **Blackwell TH**. Concepts and application of prehospital ventilation. Prehosp Emerg Care, 2000; 5:73-78.
PMID: 11194074.
5. Pepe PE, Swor RA, Ornato JP, Racht EM, Blanton DM, Griswell JK, **Blackwell TH**, Dunford J. Resuscitation in the out-of-hospital setting: medical futility criteria for on-scene pronouncement of death. Prehosp Emerg Care, 2000; 5:79-87.
PMID: 11194075.
6. Hankins DG, Rivera-Rivers EJ, Ornato JP, Swor RA, **Blackwell TH**, Domeier R. Spinal immobilization in the field: clinical clearance criteria and implementation. Prehosp Emerg Care, 2000; 5:88-93.
PMID: 11194076.
7. Dunford J, Domeier R, **Blackwell T**, Mears G, Overton J, Rivera-Rivera E, Swor R. Performance measurements in emergency medical services. Prehosp Emerg Care, 2002; 6(1):92-98.
PMID: 11789658.
8. **Blackwell TH**. Interfacility Transports. Semin in Resp and Crit Care Med, 2002; 23(1): 11-18.
PMID: 16088593.
9. **Blackwell TH**, Kaufman J. Response time effectiveness: Comparison of response time and survival in an urban emergency medical services system. Acad Emerg Med, 2002; 9(4):288-295.
PMID: 11927452.
10. Flowers LK, Mothershead JL, **Blackwell TH**. Bioterrorism II: The community and emergency medical services systems. Emerg Med Clin NA, 2002; 20(2):457-476.
PMID: 12120487.
11. Mosesso VN, Dunford J, **Blackwell T**, Griswell JK. Prehospital therapy for acute congestive heart failure: state of the art. Prehosp Emerg Care, 2003; 7(1):13-23.
12. **Blackwell T**, Kellam JF, Thomason M. Trauma care systems in the United States. Injury, 2003; 34:735-739.
PMID: 12951302
13. Sasser S, Gibbs M, **Blackwell T**. Prehospital emergency care in Abu Dhabi, United Arab Emirates. Prehosp Emerg Care, 2004; 8:51-57.
PMUD: 14691788.
14. Lavonas EJ, Kerns WP, Tomaszewski CA, **Blackwell TH**, Galaska PN, Hay TL, McCormick G, Mott JA, Brown AS. Use of carbon monoxide alarms to prevent poisonings during a power outage -

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- North Carolina, December 2002. Morbidity and Mortality Weekly Reports, 2004; 53(9): 189-192. PMID: 15017373.
15. Lavonas EJ, Kerns WP, Tomaszewski CA, Blackwell TH, Galaska PN, Hay TL, McCormick G, Mott JA, Brown AS. Use of carbon monoxide alarms to prevent poisonings during a power outage - North Carolina, December 2002. JAMA April 14, 2004 291(14):1691-1692.
 16. White RD, **Blackwell TH**, Russell JK, Jorgenson DB. Body weight does not affect defibrillation, resuscitation, or survival in patients with out-of-hospital cardiac arrest treated with a non-escalating biphasic waveform defibrillator. Crit Care Med, 2004; 32(9) suppl: S1-S6. PMID: 15508666.
 17. Lerner EB, Billitier AJ, O'Connor RE, Allswede MP, **Blackwell TH**, Wang WE, White LJ. Linkages of acute care and EMS to state and local public health programs: Application to public health programs. J Pub Health Prac, 2005; 11(4):291-297. PMID: 15958926.
 18. White RD, **Blackwell TH**, Russell JK, Snyder DE, Jorgenson DB. Transthoracic impedance does not affect defibrillation, resuscitation, or survival in patients with out-of-hospital cardiac arrest treated with a non-escalating biphasic waveform defibrillator. Resuscitation, 2005; 64:63-69. PMID: 15629557.
 19. Busko JM, **Blackwell TH**. Impact of a pressure-responsive flow-limiting valve on bag-valve-mask ventilation in an airway model. Can J Emerg Med 2006;8:158-163. PMID: 17320009.
 20. **Blackwell T**, Bosse M. Use of an innovative design mobile hospital in the medical response to Hurricane Katrina. Ann Emerg Med, 2007;49:580-588. PMID: 17141134.
 21. Stevens RL, Rochester AA, Busko J, **Blackwell T**, Schwartz D, Argenta A, Sing RF. Needle thoracostomy for tension pneumothorax: failure predicted by chest computed tomography. Prehosp Emerg Care, 2009;13:14-17. doi: 10.1080/10903120802471998. PMID: 19145519.
 22. **Blackwell T**, Kline JA, Willis JJ, Hicks GM. Lack of Association Between Prehospital Response Times and Patient Outcomes. Prehosp Emerg Care, 2009;13:444-450. doi: 10.1080/10903120902935363. PMID: 19731155.
 23. Studnek JR, Thestrup L, Vandeventer S, Ward SR, Staley K, Garvey L, **Blackwell T**. Association between prehospital endotracheal intubation attempts and survival to hospital discharge among out-of-hospital cardiac arrest patients. Acad Emerg Med, 2010;17:918-925. doi: 10.1111/j.1553-2712.2010.00827.x. PMID: 20836771.
 24. Garrett JS, Studnek JR, **Blackwell T**, Vandeventer S, Pearson DA, Heffner AC, Reades R. The association between intra-arrest therapeutic hypothermia and return of spontaneous circulation among individuals experiencing out-of-hospital cardiac arrest. Resuscitation, 2011;82:21-25. doi: 10.1016/j.resuscitation.2010.09.473 PMID: 21036449.
 25. Studnek JR, Garvey L, **Blackwell T**, Vandeventer S, Ward SR. Association between prehospital time intervals and ST-elevation myocardial infarction system performance. Circulation, 2010;122:1464-1469. Doi: 10.11161/circulation.aha.109.931154 PMID: 20876439.
 26. Reades R, Studnek JR, Garrett JS, Vandeventer S, **Blackwell T**. Comparison of first-attempt success between tibial and humeral intraosseous insertions during out-of-hospital cardiac arrest. Prehosp Emerg Care, 2011;15:278-281.

- doi: 10.3109/10903127.2010.545479. PMID: 21275573.
27. Vandeventer S, Studnek JR, Garrett JS, Ward SR, Staley K, **Blackwell T**. The association between ambulance hospital turnaround times and patient acuity, destination hospital, and time of day. Prehosp Emerg Care, 2011;15:366-370.
doi: 10.3109/10903127.2011.561412. PMID: 21480775.
28. Perina DG, Pons, PT, **Blackwell T**, Bogucki S, Brice JH, Cunningham CA, Delbridge TR, Gausche-Hill M, Gerard WC, Gratton MC, Mosesso VN Jr, Pirrallo RG, Rinnert KJ, Sahni R, Harvey AL, Kowalenko T, Buckendahl CW, O'Leary LS, Stokes M. The core content of emergency medical services medicine. Prehosp Emerg Care, 2012;16:309-322.
doi: 10.3109/10903127.2011.653517. PMID: 22233528.
29. **Blackwell T**, Halsey M, Reinovsky J. Emergency Medical Technician Training for Medical Students: a Two-Year Experience. Prehosp Emerg Care, 2016; 20:518-523.
doi: 10.3109/10903127.2015.1115930. PMID: 26853133.
30. Russ-Sellers, R, **Blackwell T**. Emergency Medical Technician Training in a Medical School: Benefits for the "Hidden Curriculum." Academic Medicine, 2017: 92:956-960.
doi: 10.1097/ACM.0000000000001579. PMID: 28145946.
31. Wright WS, **Blackwell TH**, Gonzalez, JC, Perez A. Medical Student Perceptions of Emergency Medical Technician Training During the First Year of Medical School. Adv Med Educ Pract, 2020;11:99-106. Doi: 10.2147/AMEP.S231946. PMID: 32099506.

Editorial Board

Prehospital Emergency Care

Invited Reviewer

Journals

Journal of the American Medical Association

Prehospital Emergency Care

MedEd Portal

Book Reviews

Duncan BR, **Blackwell TH**. Tactical Emergency Care, Military and operational out-of-hospital medicine (DeLorenzo RA, Porter RS). Prehosp Emerg Care. 2000; 5:99-100.

Book Chapters

Blackwell, T: EMS: Introduction and Ground Transport. Rosen P, Barkin R, eds. Emergency Medicine: Concepts and Clinical Practice, 4th ed. CV Mosby Co., St. Louis, 1996.

Blackwell, T, Kirk M: Prehospital Medications. in Pons P, Cason D (eds): Paramedic Field Care. American College of Emergency Physicians. American College of Emergency Physicians, 1997.

Blackwell, T: EMS: Introduction and Ground Transport. Marx J, Hockberger R, Walls R, et al. eds. Rosen's Emergency Medicine: Concepts and Clinical Practice, 5th ed. CV Mosby Co., St. Louis, 2002.

Mothershead JL, **Blackwell, TH**: EMS Response to Terrorists Incidents and Weapons of Mass Destruction. in Brennan and Krohmer (eds): Principles of EMS Systems, 3rd ed. American College of Emergency Physicians. Jones and Bartlett Pub., Sudbury, Mass., 2005.

Curriculum Vitae
Thomas H. Blackwell, M.D.

- Blackwell, T:** EMS: Introduction and Ground Transport. Marx J, Hockberger R, Walls R, et al. eds. Rosen's Emergency Medicine: Concepts and Clinical Practice, 6th ed. Elsevier/Saunders, Philadelphia, 2006.
- Blackwell TH, Brennan K, DeAtley C:** Medical Support for Hazardous Materials Response. in Emergency Medical Services: Clinical Practice and Systems Oversight. in Cone DC, O'Connor RE, Fowler RL (eds): Textbook of the National Association of EMS Physicians, 2009.
- Blackwell, T:** EMS: Introduction and Ground Transport. Marx J, Hockberger R, Walls R, et al. eds. Rosen's Emergency Medicine: Concepts and Clinical Practice, 7th ed. Mosby/Elsevier, Philadelphia, 2010.
- Blackwell, T, Mayer T, Racht E:** Practice Diversification in EMS. in Strauss, Mayer (eds): Emergency Department Leadership, 1st ed.. McGraw-Hill, Columbus, 2012.
- Blackwell TH, Brennan K, DeAtley C, Yee A:** Medical Support for Hazardous Materials Response. in Cone DC, Brice JH, Delbridge TR, Myers B (eds): Emergency Medical Services: Clinical Practice and Systems Oversight, John Wiley and Sons, Hoboken, 2015.
- Blackwell, T:** EMS: Introduction and Ground Transport. Marx J, Hockberger R, Walls R, et al. eds. Rosen's Emergency Medicine: Concepts and Clinical Practice, 8th ed. Elsevier/Saunders, Philadelphia, 2014.
- Blackwell, T:** EMS: Introduction and Ground Transport. in Rosen P (ed): Emergency Medicine: Concepts and Clinical Practice, 9th ed. Elsevier/Saunders, Philadelphia, 2017.
- Blackwell, T, Mayer T, Racht E:** Practice Diversification in EMS. in Strauss, Mayer (eds): Emergency Department Leadership, 2nd ed, McGraw-Hill, Columbus, 2019.

Other Invited Authorship

- Blackwell T:** Medical Response to Terrorism Course. Written and prepared for the National Association of EMS Physicians, 2002.
- Blackwell T:** Prehospital Care of the Adult Trauma Patient. Up to Date[®] on-line education. Wolters Kluwer Health, 2006-present.
- Blackwell T:** EMS Response Time Standards. In Emergency Medical Services, Evidence-Based System Design; White paper for the Emergency Medical Services Authority, University of Oklahoma. Goodloe JM, ed., 2011.

Scholarly Presentations

- Blackwell T, et al:** Treatment of Arsenic Gas Poisoning -A Retrospective "Case Controlled" Study. 1990 AAPCC/AACT/ABMT/CAPCC Scientific Meeting
Tucson, Arizona
- Trott A, **Blackwell T:** Academic Emergency Medicine in United States Medical Schools. 1991 Society of Academic Emergency Medicine Scientific Meeting
Washington, D.C.
- Blackwell T, Stern S, Dronen S:** Effect of Aggressive Resuscitation on Coagulation in Uncontrolled Hemorrhagic Shock in Swine. 1992 Third annual Ohio/Midwestern Regional Emergency Medicine Research Symposium and the Wright State University School of Medicine
1992 Society for Academic Emergency Medicine Scientific Meeting
Toronto, Canada

Curriculum Vitae
Thomas H. Blackwell, M.D.

- Roberts D, **Blackwell T**, Marx, J: Emergency Medical Care for Spectators Attending National Football League Games.
1995 National Association of EMS Physicians Annual Meeting
San Diego, California
- Hartman C, **Blackwell T**, Mehta B: The Importance of a Helicopter Flight Physician Experience in Selecting an Emergency Medicine Training Program: A survey of emergency medicine residency applicants.
1995 North Carolina College of Emergency Physicians June Jam Research Forum
Chapel Hill, North Carolina
- Apfelbaum J, Mitchell K, **Blackwell T**. Invasive airway techniques in the tactical EMS environment: a comparison of endotracheal intubation, digital intubation, and the laryngeal mask airway.
2000 National Association of EMS Physicians Annual Meeting
Laguna, California
- Blackwell T**, Kaufman J. Response time effectiveness: comparison of prehospital response time and survival in a metropolitan county.
2000 National Association of EMS Physicians Annual Meeting
Laguna, California
- Duncan BR, Myers B, **Blackwell TH**, Watts BA. The effect of incorporating automatic external defibrillators into an airport emergency medical response system.
2001 National Association of EMS Physicians Annual Meeting
Sanibel, Florida
- Duncan BR, Myers B, **Blackwell TH**, Watts BA. Comparison of three alternative methodologies for delivering paramedic continuing education.
2001 National Association of EMS Physicians Annual Meeting
Sanibel, Florida
- White RD, **Blackwell TH**, Russell JK. The influence of transthoracic impedance on defibrillation, resuscitation, and survival in out-of-hospital cardiac arrest treated by basic life support providers with an impedance-compensated biphasic waveform automatic external defibrillator.
2002 American College of Emergency Physicians Research Forum
Seattle, Washington
- Hasan N, **Blackwell, TH**. Rehabilitation following physical stress and endurance in police, fire, and emergency medical responders affiliated with a terrorism response team.
2003 National Association of EMS Physicians Annual Meeting
Panama City, Florida
Selected Best Fellow/Resident/Student Paper
- Hasan N, **Blackwell TH**. Physical stress and endurance capabilities in police, fire, and emergency medical responders affiliated with a terrorism response team.
2003 National Association of EMS Physicians Annual Meeting
Panama City, Florida
- Lavonas E, Tomaszewski C, Kerns W, **Blackwell T**. Epidemic carbon monoxide poisoning despite a CO alarm law.
2003 North American Congress of Clinical Toxicology
Chicago, Illinois
- Busko J, **Blackwell T**. Impact of reassigning dispatched ambulances from lower- to higher-priority

Curriculum Vitae
Thomas H. Blackwell, M.D.

calls.

2004 National Association of EMS Physicians Annual Meeting
Tucson, Arizona

Busko J, **Blackwell T**. A descriptive cross-sectional survey of exhaled carbon monoxide levels amongst firefighters at a training fire.
2004 National Association of EMS Physicians Annual Meeting
Tucson, Arizona

Raymond LW, Barringer TA, **Blackwell TH**, Konen JC, Heat stress testing of hazmat workers: pilot test of a new protocol.
2004 American Federation for Medical Research, Western Section
Carmel, California

Raymond LW, Barringer TA, Konen JC, **Blackwell TH**. Heat stress testing for hazmat duty: Result of pilot study of a new protocol.
2004 American Occupational Health

Asimos AW, Norton HJ, Rosamond W, **Blackwell T**, Price MF, Cheek WM. Compliance and impact of including the Los Angeles Prehospital Stroke Screen (LAPSS) into a paramedic protocols.
2004 Society of Academic Emergency Medicine Scientific Meeting
Orlando, Florida
May, 2004

Busko JM, **Blackwell TH**, Raymond L. Stress test performance does not predict manikin rescue performance.
2005 National Association of EMS Physicians Annual Meeting
Naples, Florida

Hannum J, Busko JM, Dix S, **Blackwell TH**, Mostafa G, Sing RF. Description of 33 prehospital needle chest decompressions for presumed tension pneumothorax.
2005 National Association of EMS Physicians Annual Meeting
Naples, Florida

Busko JM, **Blackwell TH**, Hicks M. Impact of a large ice storm on EMS operations.
2005 National Association of EMS Physicians Annual Meeting
Naples, Florida

Blackwell T, Kline J, Willis J, Hicks M. Lack of association between prehospital response times and patient outcomes.
2007 National Association of EMS Physicians Annual Meeting
Naples, Florida

Blackwell T, Garvey L, Wilson H, Collier K. Improved Time to Percutaneous Coronary Intervention Following Implementation of a Prehospital "Code STEMI" Protocol.
2007 National Association of EMS Physicians Annual Meeting
Naples, Florida

Wilson H, Garvey L, Collier K, Pye P, Lail A, Humphrey A, **Blackwell T**. A Rapid Response Trauma Approach Drops Reperfusion Time in ST Elevation Myocardial Infarction. American College of Cardiology.

Stevens R, Rochester A, Busko J, **Blackwell T**, Schwartz D, Argenta A, Sing R. Prehospital needle thoracostomy for decompression of suspected pneumothorax: efficacy prediction by computed tomography of the chest.

Curriculum Vitae
Thomas H. Blackwell, M.D.

- 2007 Eastern Association for the Surgery of Trauma
Sanibel, Florida
and
North Carolina Resident Paper Competition
July, 2006
Myrtle Beach, South Carolina
- Threlkeld M, French D, **Blackwell T**. Does Patient-Selected Music Played During Ambulance Transport Decrease Patient Anxiety?
2008 National Association of EMS Physicians Annual Meeting
Phoenix, Arizona
- Blackwell TH**, Garvey JL, Craig S, Miles WS, Jacobs DJ, Bosse MJ, Sing RF. Preparing for Disaster: The Carolinas MED-1.
2008 94th Clinical Congress of the American College of Surgeons
San Francisco, California
- Thestrup L, Montoya J, Sasser H, **Blackwell T**. Identification and evaluation of low acuity patients requesting but not necessarily requiring EMS response: the OMEGA-Nurse Call Center Project, Phase I.
2009 National Association of EMS Physicians Annual Meeting
Jacksonville, Florida
- Garvey LJ, **Blackwell TH**, Humphrey AD, Collier K, Pye PM, Haber RH, Wilson BH. Primary coronary intervention reperfusion times less than 60 minutes are associated with improved survival in ST-segment elevation myocardial infarction.
2009 National Association of EMS Physicians Annual Meeting
Jacksonville, Florida
- Reades R, **Blackwell TH**, Wilson BH, Niess G, Valeri S, Fletcher S, Watling B, Garvey JL. STEMI treatment times with 'first medical contact' defined as the time of 911 call receipt.
2009 National Association of EMS Physicians Annual Meeting
Jacksonville, Florida
- Wilson H, Humphrey A, Haber RH, Cedarholm JC, Kowalchuk GK, Rinaldi MJ, Downey WE, Collier KM, Pye PM, Miller DA, Sarafin JL, **Blackwell T**, Garvey JL. Achieving First Door-to-Balloon Times of 90 Minutes for Transfer ST-Elevation Myocardial Infarction.
2010 American College of Cardiology Scientific Meeting
Atlanta, GA
- Studnek JR, Garvey L, **Blackwell T**, Vandeventer S, Ward S. The Association between Prehospital STEMI Benchmark Times and System Performance.
2010 National Association of EMS Physicians Annual Meeting
Phoenix, Arizona
- Studnek JR, Thestrup L, **Blackwell T**. Secondary Triage of Low Acuity 911 Callers Using a Nurse Advice Line.
2010 National Association of EMS Physicians Annual meeting
Phoenix, Arizona
- Garrett J, Studnek JR, **Blackwell T**, Reades R, Troyer J. Cost-effectiveness analysis of a prehospital termination-of-resuscitation protocol for nontraumatic cardiac arrests.
2012 National Association of EMS Physicians Annual meeting

Curriculum Vitae
Thomas H. Blackwell, M.D.

Phoenix, Arizona

Blackwell T, Halsey M, Reinovsky J. Emergency Medical Technician Training for Medical Students: a Two-Year Experience.

2016 National Association of EMS Physicians Annual meeting
San Diego, California

Simpson R, Conrad H, **Blackwell T**, Wright W. Influence of Emergency Medicine Technician Training in Medical School on medical Student Application, Matriculation, and Transition into medical school

2020 Southern Group on Educational Affairs
Atlanta, Georgia

Simpson R, Conrad H, **Blackwell T**, Wright W. Influence of the Emergency Medicine Technician Training in Medical School on Preparation for Required National Board Exams and Clerkship Rotations

2020 Southern Group on Educational Affairs
Atlanta, Georgia

Invited Lectures and Visiting Professorships

Assessment and Management of Head Trauma

Emergency Medicine Today
North Carolina Office of EMS
Greensboro, North Carolina
October, 1993

Medical Response to the Crash of USAir Flight #1016

Visiting Professor - Grand Rounds
Department of Emergency Medicine, University of North Carolina-Chapel Hill
October, 1994

Medical Response to the Crash of USAir Flight #1016

History of Emergency Medical Services in the United States

Visiting Professor - Grand Rounds
Department of Emergency Medicine
University of Cincinnati College of Medicine
Cincinnati, Ohio
October, 1994

Medical Response to the Crash of USAir Flight #1016

North Carolina Chapter, Emergency Nurses Association Annual Meeting
Charlotte, North Carolina
April, 1995

Response to a Disaster: Crash of Flight 1016.

Carolinas Medical Center Spring Symposium
Charlotte, North Carolina
May, 1995

Medical Response to the Crash of USAir Flight #1016

6th Annual May Day Trauma Conference
School of Medicine, University of North Carolina-Chapel Hill

Curriculum Vitae
Thomas H. Blackwell, M.D.

May, 1995

Lessons Learned From the July 1994 Commercial Airliner Crash in Charlotte, NC, USA.

9th World Congress on Emergency and Disaster Medicine

Jerusalem, Israel

June, 1995

Disaster in EMS

Visiting Professor - Grand Rounds

Department of Emergency Medicine

Medical Center of Delaware

Newark, Delaware

August, 1995

Medical Response to the Crash of USAir Flight #1016

Visiting Professor - Grand Rounds

Department of Emergency Medicine, Denver Affiliated Residency in Emergency Medicine

Denver General Hospital

Denver, Colorado

May, 1996

Systems in Evolution

1998 National Association of EMS Physicians Annual Meeting

Ft. Lauderdale, Florida

January, 1998

Development of EMS in Mecklenburg County

Emergency Medicine Today Annual Conference

Greensboro, North Carolina

September, 1998

Pediatric Burns

Pediatric EMS Symposium

Hemby Pediatric Trauma Institute, Carolinas medical Center

Charlotte, North Carolina

April, 1998

Hospital Preparedness for Urban Terrorism and Weapons of Mass Destruction.

Carolinas Medical Center Spring Symposium

Charlotte, North Carolina

March, 1999

Preparedness Initiatives for Charlotte-Mecklenburg, North Carolina

WMD Coordinators In-service

National Domestic Preparedness Office-Federal Bureau of Investigation

Arlington, Virginia

April, 1999

Emergency Medical Care at Ericsson Stadium

Preconference Workshop

Emergency Medical Services Today Annual Conference and Trade Show

Charlotte, North Carolina

May, 2000

Curriculum Vitae
Thomas H. Blackwell, M.D.

- Medical Response to the Crash of USAir Flight #1016
2001 Tidewater Emergency Medicine Conference
Williamsburg, Virginia
- Preparedness Initiatives for Terrorism-Charlotte-Mecklenburg, North Carolina
Southeastern Anesthesia Group
Charlotte, North Carolina
October, 2001
- Community Preparedness Initiatives for Terrorism
Postgraduate Seminar
Charlotte, North Carolina
October, 2001
- Preparedness Initiatives for Urban Terrorism
Teleconference / Web Broadcast Series
School of Public Health, University of North Carolina-Chapel Hill
November, 2001
- Preparedness Initiatives for Urban Terrorism
Visiting Professor - Grand Rounds
Mercy Hospital
Charlotte, North Carolina
December, 2001
- Preparedness Initiatives for Urban Terrorism
Charlotte Kiwanis Club
Charlotte, North Carolina
2001
- Preparedness Initiatives for Urban Terrorism
Charlotte Rotary
Charlotte, North Carolina
2001
- Community Preparedness Initiatives for Terrorism
North Carolina Graduate Anesthesia Group
Charlotte, North Carolina
February, 2002
- Preparedness Initiatives for Urban Terrorism
Charlotte Senior Forum
Charlotte, North Carolina
March, 2002
- Response to a Disaster: Crash of Flight 1016.
2002 Annual Michigan Trauma Symposium
Grand Rapids, Michigan
May, 2002
- Basic Medical Response to Terrorism Pilot Program #1
Mid-Atlantic Council, National Association of State EMS Directors
Annapolis, Maryland
August, 2002

Curriculum Vitae
Thomas H. Blackwell, M.D.

- Basic Medical Response to Terrorism Pilot Program #2
Visiting Professor - Grand Rounds
Upstate Medical University, State University of New York
Syracuse, New York
August, 2002
- Basic Medical Response to Terrorism Pilot Program #3
American Public Health Association
Washington, DC
September, 2002
- Community Response to Terrorism
Leadership Charlotte, Charlotte Chamber of Commerce
Charlotte, North Carolina
October, 2002
- Basic Medical Response to Terrorism
American Public Health Association Annual Meeting
Philadelphia, Pennsylvania
November, 2002
- Basic Medical Response to Terrorism
2003 National Association of EMS Physicians Annual Meeting
Panama City, Florida
January, 2003
- Continuous Positive Airway Pressure Support
2003 Matrix Medical Corporation
Memphis, Tennessee
February, 2003
- Update on Terrorism Preparedness and Smallpox
North Carolina Nurse Anesthetists Association
Charlotte, North Carolina
February, 2003
- Healthcare Response to Terrorism
North Carolina Association of Nurse Anesthetists
Myrtle Beach, South Carolina
March, 2003
- Acute Care-Terrorism Preparedness and Response
Centers for Disease Control and Prevention
National Center for Injury Prevention and Control
Office of Terrorism Preparedness and Emergency Response
Representative-National Association of EMS Physicians
Atlanta, Georgia
March, 2003
- Medical Response to the Crash of USAir Flight #1016 and 5481
History of Emergency Medical Services in the United States
Visiting Professor - Grand Rounds
Department of Emergency Medicine

Curriculum Vitae
Thomas H. Blackwell, M.D.

- University of Virginia School of Medicine
Charlottesville, Virginia
April, 2003
- Hospital Preparedness for Terrorism
Cleveland Regional Medical Center
Shelby, North Carolina
April, 2003
- Biological and Chemical Agents of Terrorism
Trauma Core
Continuing Education Program
Carolinas Medical Center
April, 2003
- Charlotte's ALERT Terrorism Response Team
Regional Trauma Management System
Regional Homeland Security Leadership and Management Conference
University of North Carolina-Charlotte
Charlotte, North Carolina
May, 2003
- Medical Response to Terrorism
Keynote Address
American Ambulance Association Annual Conference
Washington, DC
May, 2003
- Acute Care Issues
National Association of EMS Physicians and the Centers for Disease Control and Prevention
Interactive
Information Systems for Responding to Acts of Terrorism - Linkages of Acute Care and Emergency
Medical Services to State and Local Injury Prevention Programs Congress.
Washington, DC
July, 2003
- Medical Response to Terrorism (Comprehensive 4-hour course)
Charlotte Area Health Education Center and the Metrolina Regional Advisory Committee for Trauma
Charlotte, NC
November, 2003
- Acute Care Trauma Research Agenda Working Group
Centers for Disease Control and Prevention
Atlanta, Georgia
March, 2004
- Medical Response to the USAir Flight 1016 Disaster
Critical Response '04
Pegasus Flight Program
University of Virginia Health System
Charlottesville, VA
April, 2004

Curriculum Vitae
Thomas H. Blackwell, M.D.

Urban Preparedness for Terrorism

Society of Former Special Agents of the FBI
Rain Tree Country Club
Charlotte, NC
April, 2004

Community Preparedness

1st National Congress on Public Health Readiness
Centers for Disease Control and Prevention
American Medical Association
Grand Hyatt Hotel
Washington, DC
July, 2004

Integration of Public Health and EMS: What Else Can You Do

2004 Scientific Assembly
American College of Emergency Physicians
San Francisco, CA
October, 2004

After the Blast: Industrial Accidents to Terrorist Incidents

2004 Scientific Assembly
American College of Emergency Physicians
San Francisco, CA
October, 2004

Preparedness for Urban Terrorism

International Association of Bomb Technicians and Investigators
Charlotte, North Carolina
October 27, 2004

Medical Preparedness for Terrorism and Disasters

Introduction to Carolinas MED-1

Healthcare Day-Leadership Charlotte
Charlotte, North Carolina
December 16, 2004

Medical Preparedness for Terrorism and Disasters

Introduction to Carolinas MED-1

Corporate Homeland Security Working Group
Charlotte, North Carolina
December 16, 2004

Mobile Emergency department - Development, Design, and Implementation

National Association of EMS Physicians Scientific Meeting
Registry Resort and Club
Naples, Florida
January, 2005

Mobile Emergency department - Development, Design, and Implementation

2005 Lifesavers Conference
Charlotte Convention Center

Curriculum Vitae
Thomas H. Blackwell, M.D.

Charlotte, North Carolina
March, 2005
Metropolitan Medical Response System and Carolinas MED-1
Carob Royale Resort
Orlando, Florida
April 28, 2005
Medical Preparedness for Terrorism and Disasters
Introduction to Carolinas MED-1
Infraguard
Charlotte, North Carolina
November, 2005
Development of Carolinas MED-1 and the Medical Response to Hurricane Katrina
Charlotte North Rotary Club
Charlotte, North Carolina
December 15, 2005
Medical Response to Hurricane Katrina
Piedmont Club
Charlotte, North Carolina
December 13, 2005
Medical Response to Hurricane Katrina
Healthcare Day-Leadership Charlotte
Charlotte, North Carolina
December 15, 2005
Medical Response to Hurricane Katrina
Charlotte Civitan Club
January, 2006
Medical Response to Hurricane Katrina
Annual Awards Banquet
Idlewild Volunteer Fire Department
January, 2006
Emergency Preparedness for Terrorism
Emergency Response National Podcast
United States Department of Homeland Security
St. Petersburg Community College
St. Petersburg, Florida
January, 2006
Medical Response to Hurricane Katrina
Top of the Morning Rotary Club of Charlotte
Charlotte, North Carolina
February 6, 2006
Development of Carolinas MED-1 and the Medical Response to Hurricane Katrina
David G. Welton, MD Society
Charlotte, North Carolina
March, 2006

Curriculum Vitae
Thomas H. Blackwell, M.D.

- Development of Carolinas MED-1 Mobile Hospital
Public Health Regional Surveillance Team Fourth Annual Preparedness Conference
Charlotte, North Carolina
May 10, 2006
- Medical Response to Hurricane Katrina
American College of Healthcare Executives
Charlotte, North Carolina
May 10, 2006
- Medical Response to Hurricane Katrina
Association of periOperative Registered Nurses
Charlotte, North Carolina
May 18, 2006
- Medical Response to Hurricane Katrina
Rotary Club of Charlotte
Charlotte, North Carolina
June 5, 2006
- Development of Carolinas MED-1 and the Medical Response to Hurricane Katrina
Carolina/Virginia Chapter-Society of Critical Care Medicine
24th Annual Scientific Symposium
Pinehurst, North Carolina
June, 2006
- Development of Carolinas MED-1 and the Medical Response to Hurricane Katrina
Second Annual Trauma Update
Spartanburg Regional Healthcare System and Regional One Air Medical Service
Spartanburg, South Carolina
July, 2006
- Disasters and Pandemics: Preparedness Initiatives in Healthcare
Global Risk Threat: Terrorism and Disasters
Bank of America
Charlotte, NC
September, 2006
- Emergency Management & Disaster Preparedness
North Carolina Chapter-American Society of Healthcare Risk Management
Greensboro, North Carolina
October, 2006
- Development of Carolinas MED-1 and the Medical Response to Hurricane Katrina
North Carolina Association of Healthcare Quality
Charlotte, North Carolina
October, 2006
- MED-1: From Conception to Deployment
Conference Co-Director
The Fifth Annual Trauma and Critical Care Symposium: Disaster Planning Multidisciplinary
Preparation.
The F. H. "Sammy" Ross, Jr. Trauma Center at Carolinas Medical Center

Curriculum Vitae
Thomas H. Blackwell, M.D.

- Charlotte, NC
November, 2006
Pandemic Flu: Ethical Concerns
Gamma Iota Chapter of Sigma Theta Tau International
University of North Carolina-Charlotte School of Nursing
Charlotte, NC
November, 2006
- Lessons Learned from Hurricane Katrina
Global Preparedness Summit
United States Department of Health and Human Services
Washington, DC
May 10, 2007
- Medical Preparedness for Disasters
Charlotte Regional Business Preparedness Summit
United States Department of Homeland Security
University of North Carolina-Charlotte
Charlotte, NC
May 22, 2007
- Design, Development, and Deployment of Carolinas MED-1
Emergency Planning for Older Adults: Why Planning for the Worst is your Best Plan of Action
2007 Annual Conference
Charlotte-Mecklenburg Council on Aging and Charlotte Area Health Education Center
Charlotte, NC
May 24, 2007
- Integration of Military and Civilian Preparedness Activities
Air National Guard Fire Chief's Association
International Association of Fire Chief's Annual Conference
Atlanta, GA
August 21, 2007
- Lessons Learned from Hurricane Katrina
Global Health Security Action Group
Conference on Exportable Lessons Learned from the Katrina and Rita Hurricanes for Pandemic
Influenza Response and Other Large Territorial Events
Arlington, VA
September, 2007
- Design, development, and Deployment of Carolinas MED-1
Report to the Mecklenburg Board of County Commissioners
Charlotte, NC
October, 2007
- Medical Preparedness Initiatives for Urban Terrorism - Charlotte-Mecklenburg
Risk and Vulnerability Report to Senior Executives
Bank of America Corporate Headquarters
United States Secret Service
Charlotte, NC

Curriculum Vitae
Thomas H. Blackwell, M.D.

- November, 2007
Preparing America for the Next Disaster
National Republican Governor's Association
Dana Point, California
November, 2007
- MED-1 Deployment to Hurricane Katrina
Society of Former Special Agents of the FBI
Grove Park Inn
Asheville, NC
March, 2008
- Design, Development, and Deployment of Carolinas MED-1
Charlotte Rotary Club
Crowne Plaza
Charlotte, NC
June, 2008
- An Emergency Can Happen at Anytime: Will you be Ready?
North Carolina Association of Healthcare Resources and Materials Management
Hawthorne Inn
Winston-Salem, North Carolina
November, 2008
- Disaster Preparedness and Response
Nursing Deans and Directors
Charlotte Area Health Education Center
December, 2008
- ALS Response: Are We Measuring the Right Thing?
Advanced Topics in Medical Direction
National Association of EMS Physicians Annual Meeting
Jacksonville, FL
January, 2009
- Introduction to Disaster Management
National EMS Medical Director's Course and Practicum
National Association of EMS Physicians Annual Meeting
Jacksonville, FL
January, 2009
- Design, Development, and Deployment of Carolinas MED-1
North Carolina Area Health Education Center Statewide Conference
Charlotte, NC
February, 2009
- Prehospital Trauma Care in Mecklenburg County
Racing Toward Excellent Nursing Care of the Trauma Patient Symposium
Presbyterian Hospital-Charlotte Perioperative Services
Charlotte, NC
August, 2009
- Basics of Disaster Management and Emergency Preparedness

Curriculum Vitae
Thomas H. Blackwell, M.D.

- Visiting Professor - Grand Rounds
Department of Emergency Medicine
Duke University Medical Center
Durham, NC
December, 2009
- Introduction to Disaster Management
National EMS Medical Director's Course and Practicum
National Association of EMS Physicians Annual Meeting
Phoenix, AZ
January, 2010
- The 4-1-1 on CBRNE, NIMS, and EMAC, Managing the Disaster Acronyms
A Gathering of Eagles National EMS Conference
Dallas, TX
February, 2010
- The A, B, Cs of Medical First Attck
A Gathering of Eagles National EMS Conference
Dallas, TX
February, 2010
- Emerging Facilities Solutions to Meet Evolving Patient Needs
2010 Medical Office Buildings & Healthcare Facilities Conference
Building Owners and Managers Association, International
Chicago, IL
May, 2010
- Disaster Preparedness: The Physicians Role
Visiting Professor - Grand Rounds
Department of Emergency Medicine
University of Cincinnati Medical Center
Cincinnati, OH
May, 2010
- Is It Time to Ditch the 8:59 Urban EMS Response Time Standards?
Leading and Managing Your EMS Core Service: The Medicine
2010 Pinnacle International EMS Conference
San Diego, CA
July, 2010
- Design, Development, and Deployment - Carolinas MED-1
Visiting Lecturer
40th Anniversary - Department of Emergency Medicine
University of Cincinnati Medical Center
Cincinnati, OH
September, 2010
- Carolinas MED-1 Deployments
Charleston Exchange Club
Charleston, SC
October, 2010

Curriculum Vitae
Thomas H. Blackwell, M.D.

Materials Management Issues and Carolinas MED-1

Materials Resource Management Staff
Carolinas HealthCare System
Charlotte, NC
October, 2010

Introduction to Disaster Management

National EMS Medical Director's Course and Practicum
National Association of EMS Physicians Annual Meeting
Bonita Springs, FL
January, 2011

Introduction to Disaster Management

National EMS Medical Director's Course and Practicum
National Association of EMS Physicians Annual Meeting
Bonita Springs, FL
January, 2013

Blast Injuries

Emergency Medicine Interest Group
Greenville, SC
September, 2013

Human Anatomy and Physiology

Emergency Medical Responder Program
Clemson University Collegiate EMS Course
Greenville, SC
September, 2013

Disaster Preparedness

National EMS Medical Director's Course and Practicum
National Association of EMS Physicians Annual Meeting
Tucson, AZ
January, 2014

Human Anatomy and Physiology

Emergency Medical Responder
Clemson University Collegiate EMS Course
Greenville, SC
January, 2014

Air Crash Emergencies

Emergency Medicine Interest Group
Greenville, SC
February, 2014

Indoctrinating the Docs: Training All First Year Medical Students to be NREMTs.

A Gathering of Eagles National EMS Conference
Dallas, TX
February, 2014

Ethics in Healthcare and Research

Principled Leadership Symposium

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Thomas H. Blackwell, M.D.

The Citadel Military College
Charleston, SC
March, 2015

Disaster Management

National EMS Medical Director's Course and Practicum
National Association of EMS Physicians Annual Meeting
New Orleans, LA
January, 2015

Concepts in Disaster Management

National EMS Medical Director's Course and Practicum
National Association of EMS Physicians Annual Meeting
San Diego, CA
January, 2016

Focused Performance Cardiac Arrest Resuscitation

2016 GHS Prehospital Medicine Conference
Greenville, SC
June, 2016

Crash of US Air Flight 1016

2016 GHS Prehospital Medicine Conference
Greenville, SC
June, 2016

Disaster Care: Concepts and Reality-Structure

National EMS Medical Director's Course and Practicum
National Association of EMS Physicians Annual Meeting
New Orleans, LA
January, 2017

Disaster Care: Concepts and Reality-Operations

National EMS Medical Director's Course and Practicum
National Association of EMS Physicians Annual Meeting
New Orleans, LA
January, 2017

Development of a High School EMT Program

Simpsonville Rotary Club
Simpsonville, South Carolina
February, 2017

Disaster Care: Concepts and Reality-Operations

National EMS Medical Director's Course and Practicum
National Association of EMS Physicians Annual Meeting
San Diego, CA,
January, 2018

Disaster Care: Concepts and Reality-Operations

National EMS Medical Director's Course and Practicum
National Association of EMS Physicians Annual Meeting
Austin, TX,

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January, 2019
Innovation in EMS Education
National EMS Medical Director's Course and Practicum
National Association of EMS Physicians Annual Meeting
San Diego, CA,
January, 2020

Grants and Contracts

Society for Academic Emergency Medicine/Physio-Control EMS Fellowship \$25,000	1995-1998
The Charlotte-Mecklenburg Hospital Authority Foundation Paramedic Education Program \$300,000/year	1995-present
Hewlett-Packard/Heartstream Educational Grant \$50,000	1999
Domestic Preparedness Initiative for Charlotte-Mecklenburg Department of Defense \$1,200,000	1999-2000
Zoll Medical Corporation Educational Grant \$25,000	2000
Domestic Preparedness Initiative for Charlotte-Mecklenburg Labor HHS Bill \$1,400,000	2001-2003
Principal Author, Medical Response to Terrorism Course National Association of EMS Physicians National Association of State EMS Directors American Public Health Association National Highway Traffic Safety Administration	2002
Writing Team Member, Interactive Information Systems for Responding to Acts of Terrorism - Linkages of Acute Care and Emergency Medical Services to State and Local Injury Prevention Programs Congress National Association of EMS Physicians Centers for Disease Control and Prevention	2003
Developing Cost-Effective Simulation Tools to Improve Education Programs and QA Processes National Highway Traffic Safety Administration \$100,000	2003
Domestic Preparedness Initiative and Mobile Hospital for Charlotte-Mecklenburg Department of Homeland Security \$1,780,000	2003-2004
Society for Academic Emergency Medicine-	2004

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Medtronic/Physio-Control EMS Fellowship Recipient \$60,000	
Metropolitan Medical Response System Sustainment \$419,000	2004
Educational Grant Philips Medical Systems Praxair SPEVCO \$20,000	2004
Educational Grant Philips Medical Systems Praxair Getinge VersaMed Welch Allyn \$27,000	2006
Carolinas HealthCare Foundation Research Grant \$1000	2006
Cannon Research Center Research Grant: Omega: Phase-1 \$19,000	2008
Cannon Research Center Research Grant: "Beta-endorphin levels after blunt trauma" \$4,060	2008 2008
Assistant Secretary for Preparedness and Response Department of Health and Human Services Hospital Preparedness Program Grant Completed Grant Application for the Metrolina Region \$1,200,000	2008
Assistant Secretary for Preparedness and Response Department of Health and Human Services Pandemic Influenza Healthcare Preparedness Improvements for States North Carolina Office of EMS Assistant Secretary for Preparedness and Response \$7800	2009
Cannon Research Center Research Grant: Mecklenbueg Stroke Screen Validation Project \$12,000	2010
Fluor Foundation Medical Student EMT/Disaster Response Training Program Greenville Hospital System-University of South Carolina School of Medicine Greenville \$250,000	2012

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Greenville Health Authority 2017
Improved Access to Acute Episodic Care through Integrated Prehospital Care Response
\$2,546,000

Special Honors & Awards

The Citadel Honor Society 1981
Superior Scholastic Achievement Citation 1985
(Top freshman medical student)
Creighton University School of Medicine
Beta Beta Beta Biological Honor Society 1986-Present
Alpha Omega Alpha Medical Honor Society 1988-Present
Dr. William A. And Ethel Perer Award for 1988
Excellence in Biochemistry
Creighton University School of Medicine
Best Presentation - Third Annual Ohio/Midwestern Regional 1992
Emergency Medicine Research Symposium
Society for Academic Emergency Medicine
EMS Supporter of the Year - Medical Doctor 1997
Region F Centrolina Council of Governments
Best Research Paper - Fellow/Resident/Student 2003
2003 NAEMSP Annual Meeting
Inducted - Arland D. Williams Society 2010
(Distinguished Community Service)
The Citadel Military College
Inducted - The Citadel Academy of Science and Mathematics 2015
The Citadel Military College

Intellectual Property

Blackwell T.

Mobile Treatment Facility
Patent # US7794001 B2
United States Patent and Trademark Office
September 14, 2010

Blackwell T, Masud T, Fischer J.

Mobile Treatment, Diagnostic, and Minor Surgery Facility
Patent # US8733813 B2
United States Patent and Trademark Office
May 27, 2014