



Burn Surge and Disaster Program for North Carolina and the Southeast

www.ncburndisaster.org

Overview:

North Carolina has witnessed several significant disasters over the past 20 years. From the Hamlet Fire at Imperial Foods which killed 25 and left 54 injured, to the Pope Air Force/Fort Bragg aircraft collision and explosion on the tarmac which killed 24 and injured more than 100, the 1990's witnessed significant events.

Yet in January of 2003, an explosion at the West Pharmaceutical Plant in Kinston killed or injured 44 and in 2006 only the timing of a tremendous explosion, (shortly after midnight) at the Environmental Quality Industrial Services facility in Apex produced significant evacuations (17,000) but not significant morbidity and mortality.

The June 2009 ConAgra Plant explosion and the Mountaire Farms Plant Explosion just a week later again remind us the potential remains in the foreseeable future for these types of disasters.

Preparedness for burn disasters and critical burn care is the focus of the North Carolina Burn Surge Disaster Program. Our work includes developing the education and planning processes for burn care at all levels in our state.

Burn Resources in the Southern Region



Key Points:

- Burn **admissions** have **risen significantly** in the past three years.
- Most Trauma Centers **do not admit** burn patients, only Trauma Centers that also have Burn Centers admit seriously injured burn patients such as the University of North Carolina Hospitals and Wake Forest Baptist Health.
- According to the NC Office of EMS, there are **37,248** credentialed emergency personnel in North Carolina, of which there are **7,021** Paramedics, **2,559** Intermediates and **23,400** EMT's.
- According to the **NC Board of Nursing**, there are **7,153** Licensed Registered Nurses working in **Emergency Medicine** and **5635** working in **Critical Care**.
- According to the **NC Medical Board**, there are **31,997** licensed physicians practicing in North Carolina and **1588** who primarily work in **Emergency Medicine**.
- We have worked with the NC Office of EMS, through a US DHHS ASPR grant, to develop a Statewide Disaster Program, which includes a comprehensive assessment of burn care training for both prehospital and hospital emergency personnel.
- This work has produced clinical care guidelines in burn care for all hospitals and EMS agencies in the state.
- Advanced Burn Life Support (ABLS) classes will be coordinated through the Regional Advisory Committees (RAC). For ABLS schedules, refer to your local RAC website or the North Carolina Burn Surge Disaster website: www.ncburndisaster.org
- For more information regarding ABLS, please refer to the American Burn Association: <http://www.ameriburn.org/abls/coursedescriptions.php>

ABA Southern Region	Population ¹	Burn Beds ^{2,3}	Ratio ⁴
Alabama	4,779,736	53 ²	90,183
Arkansas	2,915,918	10 ²	291,591
Florida	18,801,310	78 ²	241,042
Georgia	9,687,653	82 ²	118,142
Kentucky	4,339,367	13 ²	333,797
Louisiana	4,533,372	39 ²	113,240
Mississippi	2,967,297	CLOSED 2005	N/A
North Carolina	9,535,483	60 ²	158,924
Oklahoma	3,751,351	33 ²	11,253
South Carolina	4,625,364	10 ³	N/A
Tennessee	6,343,105	31 ²	204,616
Texas	25,145,561	123 ²	204,435
Virginia	8,001,024	45 ²	177,800
West Virginia	1,852,994	4 ²	463,248
Total	106,979,535	581	2,408,271
❖ ¹ Population as estimated by the US Census Bureau for 2010 www.census.gov			
❖ ² Burn Beds as reported to the ABA and published 7/11 www.ameriburn.org			
❖ ³ Pediatric beds only			
❖ ⁴ Ratio, number of citizens per licensed burn bed for the state			

Contact Information:

Cory R. Havens

Program Coordinator
4024 Burnett Womack CB7211
Chapel Hill, NC 27599
(919) 843-7886 (Office)
cory_havens@med.unc.edu

Randy D. Kearns, MSA, DHA(c), CEM

Program Director
4024 Burnett Womack CB7211
Chapel Hill, NC 27599
(919) 843-5754 (Office)
randy_kearns@med.unc.edu

Bruce A. Cairns, MD, FACS

Director
North Carolina Jaycee Burn Center at UNC Hospitals

James H. Holmes IV, MD, FACS

Director
The Burn Center at Wake Forest Baptist Health

Scott G. Sagraves, MD, FACS

Trauma Director
Pitt County Memorial Hospital, ECU Dept. of Surgery



www.facebook.com/NCBurnSurgeDisasterProgram



<http://twitter.com/ncburn>