LEHIGH UNIVERSITY
EMERGENCY MEDICAL SERVICE
610 – 758 – 4200

Annual Report 2007
Proudly Serving the Lehigh Community
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Front Cover: City of Bethlehem, LUEMS, and LUPD responding to an emergency at Mountain Top Campus
Executive Message
August 19, 2008

The dedicated members of Lehigh University EMS (LUEMS) are proud to provide quality emergency medical care and a rapid response to emergencies 24 hours a day, seven days a week while classes are being held. We represent a critical link between the campus community and regional emergency providers, as we are able to reach the scene faster and initiate care when it is needed most.

2007 was a landmark year in the history of LUEMS. For the first time since our foundation in 1991 we continued our operations during the summer session. Eleven members worked diligently to provide the same 24 hour service provided during the regular school year. Despite the low call volume, I would mark the summer as a rousing success as we made one giant leap towards providing uninterrupted year round service.

Students, Faculty, and Staff made 242 calls for help in 2007, ranging from dislocated shoulders to cardiac emergencies, and from sore throats to seizures. While this is not our highest annual call volume ever, the most significant statistic is the decline in the number of intoxicated calls. Over the course of the year, we saw nearly a 15% decline in the number of intoxicated patients compared to 2006. Such a significant decrease in this type of call combined with the 2% total call volume increase shows a significant increase in campus awareness, as more and more people are calling us for help with other injuries and illnesses.

In addition to responding for emergency calls, we have continued providing standby services at football games, hockey games, and rugby games, Greek Week events, UP sponsored events, Sundaze, and many other campus activities. These services play an important role in the community, as they offer trained emergency providers to Lehigh affiliated clubs and activities at a fraction of the cost of hiring an outside agency. These standby services also represent our only means of raising club funds aside from the budget provided by the Student Senate and support granted by the Lehigh University Police Department. In 2007 we also donated 15 hours of standby time to Relay for Life and The Wonderful World of Sports, which provided athletic opportunities for South Side Kids.

2007 also saw a more complete integration of non-Lehigh resources in our regular training sessions. These trainings varied from classes on patient extraction from vehicular accidents with the aid of Se-Wy-Co Firefighters to a course on “Assisting the Paramedic” taught by medics from Bethlehem Township EMS, which focused on allowing a Basic Life Support EMT better help a Paramedic in treating a patient with Advanced Life Support Techniques.

Growth of our membership numbers has continued at an astonishing rate. In 2005, we had 24 members and 10 EMTs. In 2006 we had 54 members and 24 EMTs. At the end of 2007, we had an astonishing 92 members and 42 EMTs. We continue to maintain a strong presence in the Northampton Community College EMT course, and expect our numbers to grow further as we increase our campus awareness.

As I approach my last semester at Lehigh, I can’t help but look back and marvel at the dedication of our members in the last few years. Not only have we maintained the high standards set by those that came before us, but we have made a commitment to grow and continually improve the service we provide to the Lehigh Community. These are students who have promised that no matter what time of day or night, no matter what the weather or how much homework they have, someone will be there to answer the call for help.

Sincerely,
Alexander Bruner, EMT-B
Captain, LUEMS 2008
Mission:

The purpose of this organization shall be to aid and benefit humanity whenever and wherever required; to answer emergency calls; provide emergency care; render aid to the sick, injured, and disabled; and to save life regardless of race, color, or creed.
Lehigh University EMS: General Operations

Lehigh University Emergency Medical Services (Hereafter referred to as LUEMS) exists to provide emergency medical care at the EMT-Basic Level without cost to the students, faculty, staff and community, which comprise the Lehigh family. This service is provided 24 hours a day, 7 days a week, during the academic year and summer sessions. LUEMS is a completely volunteer and student run organization. We are overseen by, and work closely with, the Lehigh University Police Department.

Lehigh EMS is a BLS QRS (Basic Life Support, Quick Response Service). While we do not transport our patients, we feel our contribution to pre-hospital care for Lehigh Community members is crucial. In EMS, healthcare providers strive for the “Platinum Ten,” the term referring to the first, and most critical, ten minutes after an emergency has occurred. On average our response times for the 2007 year were 4 minutes or less, which allowed us ample time to assess, stabilize, and care for the patient until we could transfer patient care to the City of Bethlehem or Bethlehem Township Paramedics (ALS).

In addition to our daily services, LUEMS has been contracted to provide standby service for the safety of the Lehigh Community and its visitors at numerous University events. In general, LUEMS staffs Sporting and University events including: rugby, ice hockey, football and other high-risk sports, Sundaze, UP events, Greek Week events, and many others.

The LUEMS squad is divided into three levels of membership to ensure quality service to the community. With a focus on skill and leadership development, each level has defined requirements and members ascend only through the approval of the Executive Board.

Observers: These members are non-EMT’s or EMT’s in training who may only treat patients under the direct supervision of a higher level member (New members already holding PA EMT-B certification are required to run under the title Observer for a minimum of one calendar month in order to become acquainted with LUEMS and Lehigh’s Campus.). Observers are generally responsible for assisting the EMT and Crew Chief as directed. All observers are required, at a minimum, to be CPR certified.

EMT: These members hold a current PA state EMT-B certification, are CPR certified, and are permitted to respond to emergencies and treat patients alone or with other LUEMS personnel. The EMT operates under the direction of the Crew Chief.

Crew Chief: These members hold all of the same certifications as the EMT member, but have also shown exceptional EMT-B knowledge, leadership skills, and generally have more field experience. The Crew Chiefs are appointed by the current Captain. The Crew Chief responds with and is ultimately responsible for the actions and safety of the Duty Crew while responding to emergencies. The Duty Crew is made up of one Observer, one EMT, and the Crew Chief.
Call Volume

Since 2005, LUEMS call volume has maintained relatively the same, in the mid 200-250 range of number of calls per year. We contribute our amount of calls to our ever increasing presence on campus, University Events, and Standbys.

Total Calls for 2006: 237
Total Calls for 2007: 242
Percent Change: 2.11% increase between 2006 and 2007

During the year, LUEMS has taken numerous continued measures to make the campus community aware of our services that are available free of charge. In the past, many community members were not aware of the role and function of LUEMS and therefore did not necessarily phone for immediate help. Through various lectures at fraternity houses and community groups such as gryphons, we feel our message and service are known widely across the campus. Efforts will continue through the coming years to keep this message widely known.
Community Service

In our endeavor to better our community, LUEMS in the 2007 year contributed fifteen hours of free standby service. Standbys included twelve hours for Relay for Life on April 15, and three hours for “The Wonderful World of Sports” for Southside Bethlehem kids on April 22. In future years, LUEMS plans on contributing more hours to community service.
Response Times

As stated before, LUEMS strives for the fastest response times possible in order to provide the earliest and best possible patient care. In 2007, 60% of all calls were responded to within 4 minutes, and 85% of all calls were responded to within 6 minutes. We contribute our strong response times to our diligent and dedicated LUEMS members who, despite our large campus, have always strived for quick responses to emergencies.

![Response Time Chart]

Response Time

- Number of Calls
- Response Time in Minutes

- 0 1 2 3 4 5 6 7 8 9 10

- 0 10 20 30 40 50 60 70

- X-axis: Response Time in Minutes
- Y-axis: Number of Calls

Chart showing the distribution of response times with the majority of calls being responded to within 4 minutes, followed by 6 minutes.
Change in Nature of Calls

In recent years LUEMS has seen a great decrease in the percentage of Alcohol Related Incidents. This is due in large part to the increase in Lehigh Community’s awareness of LUEMS and its services. While we do still deal with a number of Alcohol Related Incidents, we have now been called upon more frequently to respond to Non-Alcohol Related incidents, as reflected in our 11.8% increase in non-alcohol related calls.

![Pie chart showing 43% Alcohol Related Incidents and 57% Non-Alcohol Related Incidents]

![Bar chart showing percent of Alcohol/Drug Related Calls by Demographic: Freshman 40%, Sophomore 60%, Junior 50%, Senior 30%]

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Educational Opportunities for Members

In partnership with our Medical Director, Dr. John Patterson from St. Luke’s Trauma Center in Bethlehem, PA, LUEMS has an ER resident assigned to assist with training. Training for our members begins with a yearly EPI-PEN training, taught by qualified certified staff from St. Luke’s Hospital, as well as regular training sessions, held at the end of each bi-monthly meeting, designed by our Training Lieutenant. These sessions have included review of airway management, trauma assessment, and motor vehicle extrication to name a few.

A number of our Observers have also taken hold of the opportunity to take the EMT-Basic course offered by Northampton Community College. Normally LUEMS has had members attend only the spring semester of the class. In 2007, however, we had students attending the class in the spring, summer, and fall semesters which led to a 75% increase in the number of certified EMTs between the spring of 2006 (24 EMTs) and the fall of 2007 (42 EMTs).

Year Round Service

The summer of 2007 marked a major step towards our goal of being in service Year Round. With housing provided by Lehigh University’s Residential Services, one Observer, six EMT-B’s, and four Crew Chiefs stayed on call over the summer to provide coverage to members of the Lehigh Community during the summer sessions.
How Does LUEMS Compare to Squads at Peer Institutions?

**Villanova University**: Villanova EMS provides coverage 365 days a year to the Villanova University community and the surrounding towns. They operate a transporting BLS ambulance. Their revenue is generated through numerous standbys at athletic events, graduation, and concerts.

**Duke University**: Duke EMS provides coverage 365 days a year to the Duke University community with expansion planned to cover the surrounding communities. Duke operates a 2004 Chevy Trailblazer as a Quick Response Vehicle.

**Cornell University**: Cornell University EMS is a certified New York State EMS Agency, providing service to Cornell University community and surrounding University owned properties. They operate a 2004 Chevy Suburban and respond to almost 500 calls per year.

**Muhlenberg College**: Muhlenberg College operates 24/7 during the school year with one 2002 Chevy Blazer and multiple bike units. They have their own housing complex where they operate their service out of, providing a quick response of the entire crew. In addition, they use the services of a golf cart at standby events. They operate a Pennsylvania Quick Response Service identical to the certification that LUEMS has.
LUEMS Management and Advisors

2006 Executive Board

- **Captain**: Jason Malinowski
- **Lieutenant-Training/Operations**: Steve Lewis
- **Lieutenant-Scheduling**: Mark Zakutansky
- **Treasurer**: Christina Hajcharalambous
- **Secretary**: Angela Pozza
- **Observer Coordinator**: Katherine Lawrence

2007 Executive Board

- **Captain**: Angela Pozza
- **Lieutenant-Training/Operations**: Robin Camp
- **Lieutenant-Scheduling**: Alexander Bruner
- **Treasurer**: Ciara Lowery
- **Secretary**: Jessica Adler

Lehigh University Police Department Advisors (2006 & 2007):
- Chief Edward Shupp, *Chief of Police*
- Sergeant Christopher, *EMT-B, LUEMS Advisor*

Medical Director (2006 & 2007):
- John Patterson MD, *St. Luke’s Hospital, Bethlehem, PA*
- Sharon Jacob DO, *St. Luke’s Hospital, Bethlehem, PA*

Industry Professionals and Advisors (2006 & 2007):
- William Guth, *EMT-P City of Bethlehem EMS*
2006 Roster

Alexander  Senchak  EMT
Ashish  Kapila  EMT
Tyler  Espenlaub  EMT
Bhumi  Patel  EMT
Racine  Henry  EMT
Josh  Grossman  EMT
Aalok  Shah  EMT
Frank  Fabris  EMT
Andrew  Stewart  EMT
Brett  Moses  EMT
Reid  Gronostajski  EMT
Katrina  Cokleski  EMT
Kumar  Shah  EMT
Lauren  Bacigalupo  EMT
Jason  Zeller  EMT
Steven  Faschan  EMT
Brian  Cheng  EMT
Nirarjah  Gerasekara  EMT
Susan  Sebelsky  EMT
Adam  Winkler  EMT
Vera  Partem  OBS
Shawn  Amin  OBS
Robin  Camp  OBS
Matt  Moynihan  OBS

Priya  Lyer  OBS
Bora  Baloglu  OBS
Jessica  Adler  OBS
Michael  Hall  OBS
Matthew  Berger  OBS
Mike  Mazzei  OBS
Sarah  Butner  OBS
Nick  Kastango  OBS
Fletcher  Marks  OBS
Lauren  Anderson  OBS
Ciara  Lowery  OBS
Eileen  Mazochette  OBS
Hieu  Nguyen  OBS
Caitlin  Oksienik  OBS
Jessica  Simberlund  OBS
Laura  Petrini  OBS
Tamara  Nisic  OBS

Heather  Axelrod  OBS
Kester  Barrow  OBS
Christopher  Basilio  OBS
Emily  Becker  OBS
Noah  Benton  OBS
Sanjana  Bhatia  OBS
Kristin  Bierbauer  OBS
Adrian Bruce OBS
Matthew Caban OBS
Michael Chicco OBS
David Chiles OBS
Amanda Dilger OBS
Maura Douglas OBS
Victor Fong OBS
Christopher Gauthier OBS
Michelle Goldberg OBS
Jesse Greenberg OBS
Kunal Gupta OBS
Jonathan Kusselson OBS
John Lalomia OBS
Elissa Mallis OBS
Alicia Morse OBS
Su Hong Park OBS
Maggie Parker OBS
Kamal Patel OBS
Nicole Perella OBS
Nicole Perry OBS
Scott Robinson OBS
Michael Rubin OBS
Andrew Salim OBS
Kyle Sharaf OBS
Alina Sivriver OBS
Burton Tabaac OBS
Diana Thyssen OBS
Ashley Vena OBS
Jessica Williams OBS
Jack Xiong OBS
Amanda Dilger EMT
Maura Douglas EMT
Cynthia Eakin EMT
Frank Fabris EMT
Steven Faschan EMT
Victor Fong EMT
Christopher Gauthier EMT
Jesse Greenberg EMT
Josh Grossman EMT
Niranjan Gunasekasan EMT
Kunal Gupta EMT
Michael Hall EMT
Joslyn Joseph EMT
Bryan Jow EMT
Nick Kastango EMT
Andreana Kripalani EMT
John Lalomio EMT
Monica Lucas EMT
Mike Mazzei EMT
Hieu Nguyen EMT
Yash Niphadkar EMT
Tamara Nisic EMT
Kumar Shah EMT
Laura Schafer EMT
Alina Sivriver EMT
Katelyn Stahl EMT
Burton Tabaac EMT
Adam Winkler EMT
Jonathan Wong EMT
Rebecca Graziano EMT
Trina Pal EMT
Christopher Basilio EMT
Kester Barrow OBS
Emily Becker OBS
Sanjana Bhatia OBS
Kristin Bierbauer OBS
Adrian Bruce OBS
Brian Czornyj OBS
Stephanie DeLuna OBS
Brian Diskin OBS
Samantha DisStefano OBS
Michael Fedorka OBS
Christa Frodella OBS

Note: The Executive Board for 2006 is not listed on this roster

2007 Roster

Lauren Anderson EMT
Tyler Espenlaub EMT
Eileen Mazzochette EMT
Heather Axelrod EMT
Noah Benton EMT
Matthew Caban EMT
Brian Cheng EMT
David Chiles EMT
For More Information Please Visit our New Website

http://www.lehigh.edu/~inluems/

Contact Us:

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