

Voices of Experience: Leadership During a Disaster

Thursday, April 28, 2011 9AM – 4PM

For the past two years, hospital emergency preparedness programs in Massachusetts have contributed a portion of their funding from the Assistant Secretary of Preparedness and Response (ASPR) toward a project meant to benefit an entire region.

As emergency preparedness coordinators in healthcare, we have had opportunities to hear dynamic presenters provide accounts of their responses to natural disasters, mass casualty incidents, terrorist attacks, and other hazardous events.

Last fall, to share this fortune, twenty-seven hospitals in Regions 4AB and 5, along with the Massachusetts Department of Public Health, determined to design this conference specifically for hospital senior executives and their community partners.

Today you will hear presentations about four very different real-life scenarios. Each of the presenters for "Voices of Experience: Leadership During a Disaster," has experienced large scale disasters from the perspective of a health care administrator who was actually on the ground during the event. They will speak about the immediate effects and response and, perhaps more importantly, about recovery from such major events.

We hope that listening to these remarkable first-hand accounts will stimulate new thinking about preparedness and response, increase awareness of community and organizational vulnerability, and encourage high-level strategic thinking during a disaster.

Sincerely,

Bruce S. Auerbach, MD, Vice President and Chief, Emergency and Ambulatory Services, Sturdy Hospital and Chair, Region 5 Hospital Consortium for Emergency Preparedness

Judith A. Bernice, FACHE, Region 4AB Hospital Emergency Preparedness Coordinator, Massachusetts Department of Public Health

Michael Flanagan, Director of Security and Emergency Preparedness, Norwood Hospital

Edward Hennegan, EMS/Hospital Preparedness Planner, Massachusetts Department of Public Health, Emergency Preparedness Bureau

Christian Lanphere, Emergency Preparedness Manager, Cambridge Health Alliance

R. Lynn Schoeff, Senior Director of Emergency Preparedness, Cambridge Health Alliance

Tina T. Wright, Emergency Management Coordinator, Massachusetts League of Community Health Centers



Voices of Experience:

Leadership During a Disaster

Agenda

Thursday, April 28, 2011

8:30 ам	REGISTRATION
9:00 ам	Opening Remarks - Peter Brown, Emcee
9:15 ам	Welcome – John Auerbach, MBA Commissioner, Massachusetts Department of Public Health
9:30 ам	Managing the Unthinkable - Jane Metzger, RN, PhD Senior Vice President CNO, Saint Vincent Hospital
10:30 ам	BREAK
10:45 ам	The Virginia Tech Response – M. Scott Hill, MEd, MHA, FACHE Chief Executive Officer, LewisGale Hospital Montgomery
11:45 ам	LUNCH
12:30 рм	Response to the 35W Bridge Collapse – John L. Hick, MD Medical Director, Emergency Preparedness, Hennepin County Medical Center; Associate EMS Medical Director, Hennepin County Medical Center
1:30 рм	Central London Suicide Bombings - 7th July 2005 - David Whitmore Senior Clinical Advisor to the Medical Director, London Ambulance Service Trust
2:30 рм	Wrap-Up & Networking
4:00 рм	ADJOURN

This conference is sponsored by 27 participating hospitals in Massachusetts Regions 4AB and 5: Beth Israel Deaconness Medical Center – Needham Campus, Brockton Hospital, Cambridge Hospital, Cape Cod Hospital, Caritas Good Samaritan Medical Center, Caritas Norwood Hospital, Charlton Memorial Hospital, Emerson Hospital, Falmouth Hospital, Jordan Hospital, Marlborough Hospital, Martha's Vineyard Hospital, Metrowest Medical Center – Framingham and Natick campuses, Milton Hospital, Morton Hospital and Medical Center, Nantucket Cottage Hospital, Newton-Wellesley Hospital, Quincy Medical Center, Somerville Hospital, South Shore Hospital, St. Anne's Hospital Corporation, St. Luke's Hospital, Sturdy Memorial Hospital, Tobey Hospital, Winchester Hospital, and Whidden Memorial Hospital.

Speaker Biographies



Speaker Biographies

John M. Auerbach, MBA

Commissioner, Massachusetts Department of Public Health

John Auerbach was appointed Massachusetts's Commissioner of Public Health in April 2007. Under his leadership the Department has developed new and innovative programs to address racial and ethnic disparities, to promote wellness (including the Mass in Motion campaign), to combat chronic disease and to support the successful implementation of the state's health care reform initiative.

Prior to his appointment as Commissioner, Auerbach had been the Executive Director of the Boston Public Health Commission for nine years. He had previously worked at the State Health Department for a decade, first as the Chief of Staff and later as an Assistant Commissioner overseeing the HIV/AIDS Bureau.

Peter Brown - Emcee

Chief of Staff, Office of CEO, Partners HealthCare

Peter Brown is Chief of Staff to the President and CEO of Partners HealthCare. Brown works directly with the CEO and senior leadership to support and advance Partners' mission and the message. Prior to his current position, Brown was Vice-President of Public Affairs and Communication for Brigham and Women's Hospital.

Brown spent more than 25 years in television journalism. He started his career in radio news in 1977 and transitioned to television in 1978. After graduating from the University of Rhode Island in 1979, Brown worked as a broadcast producer at television stations in Providence (WJAR-TV), Philadelphia (WPVI-TV) and Boston (WBZ-TV), where he was News Director from 1993-2004, leading a staff of more than 125 journalists. Brown was honored with numerous awards from the Associated Press. He received an Emmy Award; a Best of Boston Award as Best News Director from *Boston Magazine*; and in 2000, he and his WBZ-TV news team received the Edward R. Murrow Award for best local news station in America.

Brown serves on the Board of the Massachusetts Hugh O'Brien Leadership Conference; is a member of the Boston Athletic Association; and has served as Chairman of the Board at the Family Justice Center of Boston. He also served on the External Affairs Committee for the Forsyth Institute in Boston.

Brown has worked with local and international government agencies and groups, sharing his expertise on dealing with the media around emergency events and offering guidance on how best to deliver communication during a crisis. As examples, he was involved in Operations "Atlas" and "Poseidon" through the City of Boston Department of Homeland Security and the City of Cambridge, MA.



Speaker Biographies

John L. Hick, MD

Medical Director, Emergency Preparedness Hennepin County Medical Center Associate EMS Medical Director, Hennepin County Medical Center

John L. Hick is a faculty emergency physician at Hennepin County Medical Center (HCMC) and an Associate Professor of Emergency Medicine at the University of Minnesota Medical School. He serves as the Associate Medical Director for Hennepin County Emergency Medical Services and Medical Director for Emergency Preparedness at HCMC. He is Medical Advisor to the Minneapolis/St. Paul Metropolitan Medical Response System. He also serves the Minnesota Department of Health as the Medical Director for the Office of Emergency Preparedness and Medical Director for Hospital Bioterrorism Preparedness. He is the founder and past chair of the Minneapolis/St. Paul Metropolitan Hospital Compact, a 29 hospital mutual aid and planning group active since 2002. This regional program was recognized with a \$2.5 million competitive HHS preparedness grant in 2007. Hick traveled to Greece to assist with healthcare system preparations for the 2004 Summer Olympics as part of a 15 member CDC/HHS team. He continues to work with Health and Human Services and other agencies on issues of hospital surge capacity planning, adjusted standards of care in disasters, and preparedness for nuclear terrorism.

Hick is a national speaker on hospital preparedness and crisis standard of care issues and has published numerous papers dealing with hospital preparedness for contaminated casualties, disaster standards of care, and surge capacity. In his spare time, he practices disaster mitigation, response, and recovery at home with his two daughters, ages 6 and 9.

M. Scott Hill, MEd, MHA, FACHE

Chief Executive Officer, LewisGale Hospital Montgomery

M. Scott Hill was named Chief Executive Officer of Montgomery Regional Hospital on June 5, 2006. Prior to being named CEO for MRH, Mr. Hill served as CEO for Northern Virginia Community Hospital and Dominion Hospital, a position he began in July of 2005. From 2003-2005, he was Chief Operating Officer, Ethics and Compliance Officer and Chief Staffing Officer for both of these hospitals. From 2001-2003, he was an Associate Administrator for Henrico Doctors' Hospital in Richmond, Virginia. Prior to its acquisition by HCA, from 1998-2001, he served as Regional Operations Coordinator and then as Assistant Administrator for Healthsouth Medical Center in Richmond. Hill began his career in healthcare serving as Head Exercise Physiologist in the Cardiac Rehabilitation program at St. Francis Hospital in Columbus, Ga. He received a Bachelor of Science Degree in Health Promotion (1993) and a Masters of Education in Exercise Physiology (1995) from Auburn University. He earned his Masters of Health Administration from The Medical College of Virginia in 2000. Hill is a member of the American College of Healthcare Executives, Rotary International, and was in the 2006 Class of LEAD Virginia. He serves on the boards of directors for the Montgomery County Chamber of Commerce (Treasurer) and The Blacksburg Partnership and is a Community Advisory Board Member for the National Bank of Blacksburg.





Senior Vice President CNO, Saint Vincent Hospital

Jane Metzger currently serves as the CNO at Saint Vincent Hospital in Worcester. Metzger previously worked for Caritas Christi Healthcare System as vice president of clinical operations for emergency services. Before that, she was a senior vice president and CNO at Rhode Island Hospital/Lifespan Healthcare Systems.

Metzger has a bachelor's degree in nursing from Saint Anselm College in Manchester, NH, a master's in nursing from Northern Illinois University and a PhD in philosophy and nursing from Widener University in Pennsylvania.

Metzger was recognized in local and national media following the Station Nightclub fire. In a night of horror and heroism, she and her staff attended to the victims of the fourth deadliest nightclub fire in American history. In a "Tribute to Nurses," The New York Times acknowledged her work with its Job Market Nursing Award, presented to only four nurses nationwide.

David Whitmore

Senior Clinical Advisor to the Medical Director, London Ambulance Service Trust

David Whitmore is currently the Senior Clinical Advisor for the Medical Director, London Ambulance Service NHS Trust. He also worked as Head of Education and Development for the West Country Ambulance Services NHS Trust from 2000 to 2002.

Whitmore joined the London Ambulance Service (LAS) in 1980 and became "Extended Trained" (forerunner to "paramedic") in 1986. He has wide-ranging operational experience, which sadly covers many terrorist incidents, rail disasters, major fires and civil disturbances. This experience has been tempered by significant developments in the ambulance profession and having had the privilege of being a part of some of those developments.

In January 2000, Whitmore was nominated by the Ambulance Service Association as a member the first Paramedic Board for the Council for Professions Supplementary to Medicine (CPSM). He also fulfilled the post of Chairman of the Registration Committee of the Paramedic Board. When the CPSM was replaced by the Health Professions Council (HPC) in 2002, he carried on as an HPC Partner in the roles of Visitor, Registrant Assessor and Investigating Panel. Whitmore was also appointed by the Privy Council as Alternate Member of Council for the HPC for 2004/5. Currently, he is an HPC Partner fulfilling the duties of Registrant Assessor, Visitor and Fitness to Practice. As a member of the British Paramedic Association (BPA), he chaired the group that produced the BPA's first Curriculum Framework for the Ambulance Profession from initial recruitment right through to paramedic consultant.

Whitmore is a Faculty Board Member of the Faculty of Pre-Hospital Care, Royal College of Surgeons Edinburgh. He is an Examiner for Diploma in Immediate Medical Care offered by the Royal College of Surgeons of Edinburgh. Whitmore is a member of the Department of Health, Care Pathways Working Group for the End of Life Care Programme.



Voices of Experience:

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Conference Attendees

Susan Abril, Cardiac Cath Lab Director, Falmouth Hospital

Robert Adkinsson, Director of Safety/ Security, Milton Hospital

Caitlin Ahern, Hazmat Coordinator, Cambridge Health Alliance

Jann Ahern, Executive Director VNA, South Shore Hospital

Steven Ahern, Deputy Superintendent, Cambridge Police Department

Simon Ahtaridis, Physician, Cambridge Health Alliance

Jack Albert, Deputy Superintendent, Cambridge Police Department

Scott Alegria, Facilities/Cental Services Manager, Harvard University Health Services

Paul Ames, Deputy Superintendent, Cambridge Police Department

Laurie Andersen, Charge Nurse, Emergency Department, Newton Wellesley Hospital

Peter Angelos, Site Director, Department of Mental Health

Heidi Aplert, Director, BID-N

Scott Armstrong, Director of Business Operations, Armstrong

Scott Aronson, Principal, Russell Phillips

Neal Aspesi, Director of Operations for Emergency Management, City of Southborough

Bruce Auerbach, Vice President Emergency Services, SMH

Frank Barbarian, Director of Housekeeping Services, Cambridge Health Alliance

Carol Bardwell, Chief Nurse Executive, Martha's Vinyard Hospital

Steven Baroletti, Associate COO, MWMC

Joseph Barrett, Nurse, Manager, BID-N

Judy Barrett, Risk Manager, Metro

Jim Bartley, Emergency Management, Dispatch, Natick PD

Brenda Bassard, Director Human Resources, SIGNATURE HEALTHCARE

Paula Bates, Resources Coordinator, SMH

Allison Bayer, COO/EVP, Cambridge Health Alliance

Paula Beaulieu, Director of Emergency Department, South Shore Hospital Cathy Beaupre, Case Management Director, SIGNATURE HEALTHCARE

Jeffey Bechen, Director Patient Access, Norwood Hospital

David Becker, Administrator, Kindred Healthcare Natick

Michael Belmont, Director of Public Safety, Cambridge Health Alliance

John Benati, Chief MD Emergency Department, South Shore Hospital

Dottie Bernard, Planner, CEMA

Judy Bernice, E.P. Coordinator, MDPH 4ab Region Hospital

Janice Berns, Director, Public Health, Needham Public Health

Carol Ann Bernstein, Employee Health, Norwood Hospital

Doris Bertram-Morin, Dir Professional Practice Education & Reserarch, Norwood Hospital

Pooja Bhalla, Associate Director of Operations, Boston Healthcare for the Homeless Program

Gail Bienvenue-Mailhott, Regional Hospital Coordinator, Massachusetts Department of Public Health

Angela Bivens, Infection Control Manager, Morton Hospital & Medical Conter

Jeff Black, Electric Lead, Good Samaritan Medical Center

Michael Blanchard, Director, Board of Health, Town of Milton

Lisa Blanchette, Director of Patient Access, Saint Anne's Hospital

Terri Bomal, Nursing Supervisor, Winchester Hospital

Chris Borges, Director of Operations, Cataldo Ambulance Service

Steve Borges, Assistant Vice President of Operations, SIGNATURE HEALTHCARE

Robert Bornstein, Director of Facilities & Engineering, Emerson Hospital

Jeff Bossart Security Officer, Quincy Medical Center

Susan Boulanger, Director Imaging, SIGNATURE HEALTHCARE

Jennifer Boyd, Manager of Human Resources, Emerson Hospital

Susan Breen, Nurse Manager, Cambridge Public Health Department Sean Brennan, Facilities Manager, Good Samaritan Medical Center

Mark Briggs, Operations Chief, Gillette Stadium

Robert Bright, Facilities Operations Manager, MIT Medical

Virginia Brodeur, Clinical Coordinator, Falmouth Hospital

Paul Brown, Executive Director, Norcap

Diane Brown-Couture, Southeast Emergency Preparedness Coordinator, MDPH

Edward Browne, Exec. Director of Facilities and Support Services, Cape Cod Hospital

Proia Bruce, Fire Chief, Newton Fire Department

LouAnn Bruno Murtha, Chief of Infectious Desease, Cambridge Health Alliance

Gretchen Buchmann, Nursing MedSurg, Nantucket Cottage Hospital

Lynn Budlong, Vice President of Ambulatory Services, Cambridge Health Alliance

Jane Buley, Occupational Health Manager, Cambridge Health Alliance

Linda Burgoon, Associate COO, MetroWest Natick

Marie Burnham, Director of Engineering, Mt. Auburn

Scott Bushway, Homeland Security Grant Manager, SRPEDD

Jim Butterick, Chief Medical Officer, Cape Cod Hospital

Elizabeth Cadigan, CNO, Cambridge Health Alliance

Joe Cahill, Executive VP Chief Operating Officer, South Shore Hospital

Linda Campbell, Director of Quality,

Bruce Capman, Executive Health Officer, Hingham Health Dept

Chales Caputo, Police Sergeant, Town of Milton

Donna Carmichael, Public Health Nurse, Needham Public Health

Peter Carnes, Public Saftey, Community Partner

Charlene Chadwick, Infection Control/ EPP Team, Nantucket Cottage Hospital Leslie Chamberlin, Board of Health RN, Southborough LEPC

Arlene Champey, Safety Officer / Emergency Management Coordinator, Steward Holy Family Hospital

Ronald Charron, Chief, Seekonk Police Department

Donald Chase, Lt., Hyannis Fire Department

Doreen Chauvin, Director of Surgical Services, Saint Anne's Hospital

Mary Christian, Nurse Manager, SIGNATURE HEALTHCARE

Danielle Cleaves, Security Supervisor, EM Assistant, Quincy Medical Center

Maryjane Cleaves-Cain, Environmental Supervisor, Quincy Medical Center

Matthew Cobb, Director of ESD, Saint Anne's Hospital

Roberta Collins, Sr. Director of Nursing, Cambridge Health Alliance

Karen Conley, VP of Nursing, Quincy Medical Center

Alden Cook, Cape Cod EMS, Cape and Islands EMS

Joan Cooper-Zack, Emergency Preparedness Manager, South Shore Hospital

Pam Cormier, Nurse Manager Emergency Department, Newton Wellesley Hospital

Craig Cornwall, Medical Director, Emergency Services, Cape Cod Hospital

John Cosmo, Lt. Hyannis Fire Department, Hyannis Fire Department

Mary Jane Costa, V.P. Nursing, Nantucket Cottage Hospital

Tobias Cowans, Director, Emergency Management for Schools, Brockton Public Schools

Harold Cox, Professor of Social and Behavioral Sciences, Boston University School of Public Health

Anita Crawford, CEO, Roxbury Comprehensive Community Health Center

Lynn Cronin, Director, Nursing Clinical Operations, Milton Hospital

John Crowley, Director of Facilities, Norwood Hospital



Kathy Crowley, Public Health Nurse, Hingham Health Dept

Robin Cunningham, Clinical Educator Emergency Department, Newton Wellesley Hospital

Ted Curcio, MD, MAH

Don Cusson, City of Marlborough Emergency Management Director, City of Marlborough

Mary Czymbor, Vice President of Medical Affairs, Norwood Hospital

Melinda Dalton, Emergency Department, Newton Wellesley Hospital

Kathy Davidson, Chief Nursing Officer. Norwood Hospital

Rob Davis, MD, Falmouth Hospital

Ciavola Deb, ED Nursing Director, Jordan Hospital

Joe Dehenick, EMS Supervisor, Falmouth Fire Dept

Steven DeMarco, Deputy Superintendent, Cambridge Police Department

David Denneno, Emergency Preparedness Coordinator, SMH

Shirley Devore, Case Manager, Department of Mental Health

Al Dhanji, Physician/Emergency Preparedness Task Force, Boston Health Care for the Homeless

David Diamond, Emergency Manager, MIT

Nick Dileso, Chief Operating Officer, Mount Auburn Hospital

Carol DiMeo, Sr. Director of Labratory Services, Cambridge Health Alliance

David DiNapoli, Environmental Safety Officer, Cambridge Health Alliance

Mary Ditommasso, Newton Wellesley Hospital

Del Dixon, VP of Information Systems, South Shore Hospital

Tina, Dixson, CMED Supervisor, Worcester C-Med

Donna Doherty, VP Patient Services/ CNO, Jordan Hospital

Ron Doncaster, Charge Nurse, Emergency Department, Newton Wellesley Hospital

Elizabeth Donnenwirth, Accreditation Specialist, Winchester Hospital

Alison Douglas Walker, Charge Nurse, Emergency Department, Newton Police Department

Hugh Downing, Emergency Management Director, Newton Police Department

Diane Downs-Watts, Director of Volunteer Services, South Shore

Jim Doyle, Director of Security and Public Safety, South Shore Hospital

Eugene Duffy, Manager Paramedic and EMS, South Shore Hospital

Barry Dulong, Director of Facilities, Saint Anne's Hospital

Kevin Dumas, Mayor, City of Attleboro

Edward Dunne, Captain, Falmouth Police Department

Melinda Dunne, Clinical, Falmouth Hospital

Kerry Dunnell, Senior Program Manager, Boston University School of Public Health

Mark Dutra, Director of Safety/Security & EM, Quincy Medical Center

Kevin Dyer, Environmental Director, SMH

Janice Ellsworth, Risk Management, Nantucket Cottage Hospital

Terrie Enis, Dir of Center for Sports Rehab & Specialty Services, Emerson Hospital

Lynn Erickson, Program Coordinator, Commonwealth of Mass. Dept. of Mental Health

Kerry Evans, Emergency Preparedness Bureau, Massachusetts Department of Public Health

Kathy Farrington, Public Saftey, Community Partner

Susan Feinberg, Public Health, Cambridge Public Health Department

Mea Femino, Director Emergency Management, BIDMC\ BID-N

Barbara Fenby, Director of Community Services, Commonwealth of Mass. Department of Mental Health

Jean Fernandez, Cheif Information Officer, Milton Hospital

Rick Ferreira, Director of Taunton Emergency Management, Taunton **Emergency Management Agency**

Michael Flannagan, Director Security and Emergency Preparedness, Norwood Hospital

John Fleming, Captain, Milton Auxiliary Fire

William Flemming, Senior Vice President of Operations, Norwood

Mary Ellen Fletcher, Supervisor, AMR

John Flick, Director of Operations, Lynn Community Health Center

Craig Forcina, Director of Security, SMH

Mike Forth, Facilities/EPP Team, Nantucket Cottage Hospital

Danielle Foster, EMT, Foster Inc

Teresa Foster, EMT, Foster Inc.

Karen Foulkrod, Occupational Health, BID-N

Frederick Fowler, Executive Director, Southeastern Massachusetts EMS Council

Susan Fox, Nursing Supervisor, Newton Wellesley Hospital

Maria Francesconi, Chief of Nursing, Harvard University Health Services

Alan Freedman, Case Manager, DMH

Steve Friot, Director of Facilities, SIGNATURE HEALTHCARE

Catherine Froio, Manager Patient Access, Norwood Hospital

Lesley Fucci, Senior Director of Quality and Patient Safety, Emerson Hospital

Teresa Fuller, Quality and Safety, Norwood Hospital

Maria Gabriel, Supervisor Occuaptional Health, Milton Hospital

Kevin Gage, Security/Saftey Manager, MetroWest Framingham

Bob Gagnon, Manager Telecomunications, SIGNATURE **HEALTHCARE**

John Gale, Director Imaging Services, Norwood Hospital

Andrea Gaulzetti, Director of Clinical and Nursing Services, Lynn Community Health Center

Dave Gavigan, Homeland Security, Bristol County Sheriff's Office

Donald Gazero, Fire Traning Officer, **Brockton Fire Department**

Doris Gentley, Acting Site Administrator/Dir Radiology, Cambridge Health Alliance

Jean Giagrande, Director of Clinical Operations, Manet Community Health Center Inc.

Mike Ginieres, Environmental Health Officer, Cambridge Public Health Dept

Sharon Giordani, Director of Emergency Department, Quincy Medical Center

Rick Gomes, Chief, Norton Fire Department

Jouel Gomez, Supervisor, Telecommunications Department, Newton Wellesley Hospital

Michael Gottlieb, Chief Medical Officer, MetroWest Framingham

Kim Grabau, Director, SIGNATURE HEALTHCARE

Jack Grant, Fire Chief, Town of Milton

Herb Gray, MD, Falmouth Hospital

Maria Gray, Vice President Quality and Safety, Steward Healthcare

Penny Greenberg, Director Health Care Quality, BID-N

John Grieb, Health Systems Preparedness Planner, Massachusetts Department of Public Health

Lois Griffin, ER Nurse, Falmouth Hospital

Kathy Grisley, Risk Manager, Winchester Hospital

John Guidara, Executive Director, Metropolitan Boston EMS Council, Inc

Stephanie Guidetti, V.P. Marketing,

Ellen Hafer, Executive Vice President & COO, Mass League

Margaret Hanson, President, Norwood Hospital

Kathleen Harrington, Vice President Human Resources, Milton Hospital

Christine Harris, Nurse Manager Pediatrics and Pediatric Ambulatory, Newton Wellesley Hospital

Susan Hathaway, Director, Pharmacy,

Kyle Heagney, Police Chief, Attleboro Police Department

Michelle Heatley, Director of Emergency & Walk-In Services, Mt. Auburn



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Conference Attendees

John Hebb, Bristol County Sheriff's Office, Homeland Security

Ashleigh Hegedus, Ed Physician, Assoc Harvard Med Faculty BIDMC Milton Hospital

Edward Hennegan, EMS/Hospital Preparedness Planner, Massachusetts Department of Public Health, Emergency Preparedness Bureau

Richard Herman, Medical Director, Emergency Dept, Good Samaritan Medical Center

Tim Heuer, Supervisor, Medstar Ambulance Service

Joseph Hicks, Captain, Framingham Fire Department

Barry Hilts, Vice President of Support Services, Cambridge Health Alliance

Nhut Ho, Construction Planner/ Manager, Newton Wellesley Hospital

James Hubbard, Business Manager Periop Services, South Coast Hospitals Group

Richard Huffam, Outpatient Nurse Manager, Martha's Vinyard Hospital

Carter Hunt, V.P. Clinical Services, South Coast Hospitals Group

Claude-Alix Jacob, Chief Public Health Officer, Cambridge Health Alliance

Nellie Jacob, Emergency Room Nurse Manager, Morton Hospital & Medical Center

Jill Johnson, Nursing OR Manager, Nantucket Cottage Hospital

Mary Johnson, RN Manager Emergency Department, Cape Cod Hospital

Scott Johnson, Facilities Director, MetroWest Natick

Tlm Jones, COO, MetroWest Natick

Kevin Jordan, Steam Lead, Good Samaritan Medical Center

Patrick Jordan, Chief Operating Officer, Newton Wellesley Hospital

Archana Joshi, Emergency Preparedness Coordinator, Massachusetts Department of Public Health

Jason Kahn, Emergency Room Physician, Cape Cod Hospital

Michael Kass, Chief of Staff, Massachusetts Emergency Management Agency Kathy Kay, Director Surgical Services, Norwood Hospital

David Kearns, Director, Human Resources & Central Operations, Harvard University

Dennis Keefe, CEO, Cambridge Health Alliance

Kevin Kelleher, Chief of Department, Somerville Fire Department

Michael Kelleher, Emergency Management Coordinator, Metrowest Medical Center

Kevin Kelley, Resource Coordinator Emergency Prep, South Shore Hospital

Kim Kelley, Nursing Director, MetroWest Framingham

Brian Kelly, Associate Chief Emergency Care Center, SMH

Edward Kelly, Emergency Management Director, City of Melrose

Patricia Kennedy, Nursing Supervisor, Newton Wellesley Hospital

Scott Kenyon, Director Facility Operations & Safety Officer, Good Samaritan Medical Center

Scott Killough, Lt., Attleboro Police Department

Stacey King, Health Promotion & Marketing Manager, Cambridge Public Health Department

Christine Kluczmik, Associate Cheif Nursing Officer, Cambridge Health Alliance

Karen Kmetz, Nurse Manager ICU, Newton Wellesley Hospital

Alan Kuong, Ed Physician, Emerson Hospital

Rachel Labas, Marketing & PR Coordinator, Signature Healthcare Brockton Hospital

Scott LaChance, Fire Department Chief, Attleboro Fire Department

Michelle Ladonne, Director, Clinical Process Improvement, Signature Healthcare

Nancy Lafianza, Health Information Management, Newton Wellesley Hospital

Martha Lake-Greenfield, ED Nurse Manager/EPP Coordinator, Nantucket Cottage Hospital

Stacey Lane, Assistant Director, Norwood Health Department Anne Lang, VP Human Resources & Legal Services, Winchester Hospital

Christian Lanphere, Emergency Manager, Cambridge Health Alliance

Chris Laporte, Field Supervisor, Fallon Ambulance

Ken Lawson, Chief Emergency Medicine, SIGNATURE HEALTHCARE

Mary Leary, Program & Policy Analyst, Mass League

Teresa Leary, Manager of Infection Control, SIGNATURE HEALTHCARE

Chris LeBlanc, Director of Plant Operations, Morton Hospital & Medical Center

Karmen Lee, Managed Care Assistant Director And Ep Chair, Manet Community Health Center

Ellen Leiter, Director of Critical Care & ED, Newton Wellesley Hospital

Michael Lentini, Deputy Fire Chief, Natick Fire Department

Margaret Leoni, Vice President of Regulatory Affairs, Massachusetts Senior Care Association

Tom Leslie, Director of Traffic & Parking, Cambridge Health Alliance

Robert Lewis, Sr. Director of Telecom Services, Cambridge Health Alliance

Rose Lewis, Director, Marketing, BID-N Brian Linehan, Deputy Fire Chief, Town

Sam Lipson, Environmental Health, Cambridge Health Alliance

of Milton

Luis Lobon, Emergency Department Cite Chief, Cambridge Health Alliance

John Looney, Dir Public Relations & Corporate Communication, Winchester Hospital

Patricia Lovallo, Administrative Manager, Norwood Hospital

Karen Mackenzie, Nurse Manager, Winchester Hospital

Kate Mackinnon, Nurse Manager, ED SIGNATURE HEALTHCARE

Paul Mackinnon, Vice President of Emergency Services, Steward Healthcare

Gerard Mahoney, Deputy Chief, Cambridge Fire Department

Nancy Mahoney, RN Infection Control, Jordan Hospital Mary Jo Majors, Director of Clinical Operations, EP Coordinator, South Cove Community Health Center

Noreen Manning, Chief Operations Officer/EP Coordinator, North End Community Health Center

Susan Manning, Microbiology Manager, Newton Wellesley Hospital

James Mannion, SE Massachusetts Manager, Massachusetts Emergency Management Agency

Leigh Mansberger, 4B Emergency Preparedness Manager, Cambridge Public Health Department

Chris Mantia, Senior Technician, Norwood Hospital

Mary-Elise Manuell, Director, Division of Disaster Medicine, UMass Memorial Medical Center

Ann Martello, Risk Management, BID-N

Denise Martin, Environmental Supervisor, Quincy Medical Center

S. Atyia Martin, Director, DelValle Institute for Emergency Preparedness

Todd Martin, Security/Telecom Manager, Morton Hospital & Medical Center

Joan Martinelli, Corporate Risk Management, Cape Cod Healthcare

Jim Mayall, Public Safety, Community

Steven Mazzie, Chief of Department, Everett Police Department

Eileen McAdams, NP, MGH

Erin McCann, Emergency Department Physician, Norwood Hospital

James McCarthy, Director of Emergency Services, Marlborough Hospital

Fiona McCaughan, Nurse Manager, Hermatology & Oncology Services, Winchester Hospital

Mary McClintock, Director Case Management, Norwood Hospital

Lisa McCluskie, Director of Planning and Marketing, SMH

Kerry McCollem, Director Critical Care, Good Samaritan Medical Center

Albert McCreery, Director of Materials, SMH

Pamela McCue, Lab Operations Manager, Newton Wellesley Hospital

Conference Attendees



Buddy McDermott, DPW, Town of Milton

Timothy McDonald, Massachusetts Department of Public Health, Hospital Preparedness Program Manager

Bill McFarland, Director of Materials Management, Cambridge Health Alliance

Dan McGillicuddy, Public Safety, Community Partner

Jeannette McGillicuddy, Manager, Environmental Safety, SIGNATURE HEALTHCARE

Linda McGowen, Nurse Manager, Winchester Hospital

Lorraine McGrath, Director, Marketing, SIGNATURE HEALTHCARE

Susan McHenry, Manager of Infection Prevention, Emerson Hospital

Chris McKay, ED Resource Nurse, BID-N

Dan McKenna, IT, Jordan Hospital

Anne-Marie McKinley, Director of Acute Care, MetroWest Natick

Brenda McKonly, Director of Operative Services, Cambridge Health Alliance

Jeannette McWilliams, Admin Director, MGH Chelsea Healthcare Center

Dorcie McWeeney, Director, HCQ, BID-N

Stephen Medeiros, Manager Security, Good Samaritan Medical Center

Bryan Meehan, Administrative Assistant, Winchester Hospital

Dean Melanson, Deputy Fire Chief, Hyannis Fire Department

Kim Melloni, ED Medical Director, Jordan Hospital

Judy Menard, Infection Prevention Manager, Milton Hospital

Bill Mergendahl, CEO, Professional Ambulance

Kathy Merrigan, Nurse Manager of Emergency Department, Norwood Hospital

Maureen Metters, Director of NSA Emergency & Ambulance Services, SMH

Garth Meyerhoff, Director of Engineering, Falmouth Hospital

Jean Meyers, Manager of Pulmonary Services, Saint Anne's Hospital

Mary Milgrom, Sr. Director of Nursing, Cambridge Health Alliance

Capt Mills, Captain, Woburn Fire Department

Alison Minkoff, Assistant Emergency Preparedness Coordinator, Cambridge Public Health Department

Ronald Minter, Chief of Anesthesia, Cambridge Health Alliance

Cynthia Mitchell, Executive Director, Island Health Inc.

Ellen Moloney, Sr. Vice President, Newton Wellesley Hospital

Gerard Monahan, Plumbing Lead, Good Samaritan Medical Center

Jonathan Moorcroft, Supervisor, Medstar Ambulance Service

Joseph Morrissey, President, Milton Hospital

Dottie Mucciogrosso, Director Patient Access, SIGNATURE HEALTHCARE

Karen Mueller, Nurse Manager Maternity, Newton Wellesley Hospital

Jay Mulcahy, Security/ EP Officer, Morton Hospital & Medical Center

Tom Mulvaney, Senior Advisor for Medical Affairs, Winchester Hospital

Bill Murdock, Supervisor, Medstar Ambulance Service

Deborah Murphy, Site Administrator, Cambridge Health Alliance

Jen Murphy, Director, Winchester Board of Health

Mary Murray, Director of Patient Access, Newton Wellesley Hospital

Oliver Murray, Environmental Services/ EPP Team, Nantucket Cottage Hospital

Lynne Musto, Site Director Department of Mental Health

Susan Natale, Ambulatory Nursing Educator, Cambridge Health Alliance

Neal Nicholaides, HVAC Lead, Good Samaritan Medical Center

Gus Niewenhous, Emergency Management Director, Town of Stoneham

Steve Nikolsky, Supervisor of Case Management, South Shore Hospital

Renia Noel, Emergency Department Manager, Cambridge Health Alliance

Jill Norato, Emergency Department Clinical Leader, Cape Cod Healthcare Sean O'Bien, Barnstable County EPC, BCREPC

Donna O'Brien, Nurse Manager, Winchester Hospital

Yu-Chi O'Rourke, Pharmacy Director, Winchester Hospital

Kerin O'Toole, Public Affairs Director, Mass League

Ernest Ofoedu, Director of HIM, Saint Anne's Hospital

Dana Ohannessian, Emergency Preparedness Bureau, MDPH Emergency Preparedness Bureau

Alice Ohmeri, Supervisor, Medstar Ambulance Service

Mark Oram, Health Agent, Ashland Health Department

Karin Orr, NE Suburban Area Forensic Director, Mass Dept of Mental Health

David Osler, Medical Director, Cambridge Health Alliance

Donald Ouellette, Materials Manager, Kindred Healthcare Natick

Sue Pacheco, Nurse Manager, BID-N

Cindy Page, Vice President, Clinical/ Support Services, Milton Hospital

John Palmgren, Emergency Department, RN, Marlborough Hospital

Brian Patel, Emergency Dept MD, SMH

Kelly Pawluczonek, Sanitarian, Framingham Public Health

Seth Peters, Region 2 Healthcare Preparedness Coordinator, City of Worcester Department of Public Health

Denise Peterson, Sr Dir of Risk Management, Cambridge Health Alliance

Dimitry Petion, COO, Harvard Street Health Center

Debra Petipas, Administrative Manager, Norwood Hospital

Patricia Pettis, Field Officer, U.S. Dept of Health and Human Services

Rebecca Phillips, Associate Director, Boston Emergency Medical Services

Julie Piecewicz, Vice President Operations SMG, SIGNATURE HEALTHCARE

Kristin Pitocco, Environmental Safety Officer, Mt. Auburn

David Polanik, Director of Risk Management, Marlborough Hospital

Miguel Ponte, Environmental Services Supervisor, Emerson Hospital

Heidi Porter, Director, Everett Health Department

Jekatrerina Porter, Manager of Safety and Security, Emerson Hospital

Christine Pouliot, Director of Surgical Services, SMH

Luis Prado, Department Director, City of Chelsea

H. Ray Price, Director, Safety/Security and Emergency Management, South Coast Hospitals Group

Joseph Prondak, Building Commissioner, Town of Milton

Donn Pushor, Director of Facility & Support Services, Marlborough Hospital

Ron Quaranto, COO, Cataldo Ambulance Service

Timothy Quigley, VP of Nursing, Chief Nursing Officer, South Shore Hospital

John Quinn, Director of Supply Chain Management, Emerson Hospital

Judith Quinn, VP Patient Care, Cape Cod Hospital

Mark Racicot, Director of Support Services, MetroWest Framingham

Jason Radzevich, Police Sergeant, LEPC Coordinator, Town of Milton

Sharon Ravid, Program Coordinator, Boston University School of Public Health

Rich Raymond, Director of Strategic Planning, Armstrong

Gerald Reardon, Chief of Department, Cambridge Fire Department

Sigalle Reiss, Director, Norwood Health Department

Paulette Renault Caragianes, Director, Somerville Health Department

Frank Riccio, Manager Emergency Management, Cape Cod Hospital

Deborah Rideout, Director Patient Care, South Coast Hospitals Group

Tom Rines, Director of Safety, Lahey Clinic

Josh Roberts, Environmental Services Director, Winchester Hospital



Voices of Experience:

Leadership During a Disaster

Conference Attendees

Robby Robertson, VP Facilities & Real Estate, Safety Officer, Winchester Hospital

Debra Robinson, Executive Director of Patient Care, Cape Cod Hospital

Lisa Rocker, Emergency Dept Nurse Manager, Cambridge Health Alliance

John Rogers, Captain, Plymouth PD

Mike Rogers, IS Manager, Falmouth Hospital

Donna Romano, Emergency Department, RN, Marlborough Hospital

Brad Ross, Director of Security & Training, Winchester Hospital

Robert Rossi, Deputy Fire Chief, Cambridge Fire Department

Charlotte Roy, Emergency Preparedness Coordinator, Newton Wellesley Hospital

Christopher Russell, ED Doctor, Jordan Hospital

Chris Sands, Administrative Clinical Coordinator, South Shore Hospital

Maryann Santisi, Dir Environmental Services & Patient Transport, Norwood Hospital

Assaad Sayah, Chief of Emergency Medicine, Cambridge Health Alliance

Jeff Scafidi, Business Operations Manager, Armstrong

Erich Schickle, Facilities Manager, MetroWest Framingham

Lynn Schoeff, Senior Director of Emergency Prep, Cambridge Health Alliance

John Schultz, Director of Facilities, New England Rehabilitation Hospital

Alan Semine, President of Medical Staff, Newton Wellesley Hospital

Linda Shea, Health Director, Westwood Board of Health

Lisa Shea, Director of the ED, Saint Anne's Hospital

Steven Shea, Safety Coordinator, Winchester Hospital

Patrick Shidler, Director of Environmental Services, Emerson Hospital

Doris Sinkevich, Vice President, Patient Care and Quality/ CNO, Milton Hospital

Wendy Slabodnick, Director of Wound Care Center, Emerson Hospital David Small, Pharmacist/EPP Team, Nantucket Cottage Hospital

Bill Smith, Director, Plant Operations & Telecommunications, Winchester Hospital

David Smith, Shift Commander, American Medical Response

Edward Smith, Manager Security/ Safety, Cape Cod Hospital

Jeff Smith, Sgt, Falmouth Hospital

Lillian Smolinsky, Administrative Manager, Norwood Hospital

Holly Sousa, Nurse Manager - Peri-op, BID-N

Julianne Souza, Clinical Educator, Saint Anne's Hospital

Nikki Staples, Clinical Coordinator, MetroWest Natick

Jane Stiles, EMS Coordinator, Jordan Hospital

Lisa Stone, Principal Technical Advisor, Management Sciences for Health

Phil Stoner, EP Coordinator, MDPH Region 3 Hospital

David Strong, Manager Clinical Engineering, Holy Family Hospital

Mark Sullivan, Acting Chief, Falmouth

William Sullivan, Director of Facilities and Engineering, Newton Wellesley

Suzanne Swedeen, Administrative Manager, Steward Healthcare

Craig Sylvester, Assistant Chief Emergency Medicine, SIGNATURE HEALTHCARE

Les Sylvester, Electric Lead, Good Samaritan Medical Center

Candra Szymanski, Chief Operating Officer, Marlborough Hospital

Lisa Tager, Risk Manager, Cape Cod

Jim Tamash, Director of Security, Falmouth Hospital

Mark Tarlton, Facilities Director, Jordan

Fanny Tchorz, Director of Interpreter Services, Saint Anne's Hospital

Roberta Teixeira, Director, Clinical Laboratory Program, MDPH, Bureau of Health Care Quality Matthew Termini, Manager of Security, Cambridge Health Alliance

Nina Thayer, Inpatient Nurse Manager, Martha's Vinyard Hospital

Henry Thein, Case Manager, Dept. of Mental Health

Joanne Thomas, Nursing Director, SIGNATURE HEALTHCARE

Paul Tortolando, Cheif, Woburn Fire Department

John Tose, Deputy Chief, Weymouth Fire Department

Jason Tracy, Emergency, Cambridge Health Alliance

Steven Travassos, Director, Labratory, SIGNATURE HEALTHCARE

Bruce Trefry, Manager EMS, Emerson Hospital

Jill Trelease, RN, Saint Anne's Hospital

Diane Trowbridge, Chief Clinical Services, Lowell Community Health Center

Colleen Turpin, Region 2 Partnership Grant Coordinator, Worcester Department of Public Health

Lynn Vickery, Home Care Manager, Morton Hospital & Medical Center

Gloria Vignone, Quality Improvement,

Karen Viscariello, Nurse Manager, Emerson Hospital

Maureen Viveiros, Manager of Patient Access, Saint Anne's Hospital

Aaron Wallace, Emergency Management Director, Town of Plymouth

Sheila Wallace, Director of Security Safety & EM, Saint Anne's Hospital/ Good Samaritan

Mary Wallan, Director of Communications and Marketing, Norwood Hospital

David Walsh, Director of Facilities, Material, South Shore Hospital

Linda Walsh, Director, Newton Health and Human Services

Setti Warren, Mayor, City of Newton

Joyce Welsh, Interim VP Patient Care Services & CNO, Emerson Hospital

Janice Whitney, ED Nursing Manager, MetroWest Framingham Dedie Wieler, Chief Quality Officer, Martha's Vinyard Hospital

Edward Williams, Lieutenant, Brockton Fire Department

Mark Williams, Emergency
Management Director, Town of Milton

Mary Williamson, Public Health Nurse, Weymouth Public Health Dept

Joseph Wilson, Deputy Superintendent, City of Cambridge Police Department

Leslie Wilson, Emergency Department, RN, Marlborough Hospital

Elizabeth Wisgirda, Director of Patient Access, South Shore Hospital

Susan Wolf-Fordham, Senior Project Manager, EK Shriver Center

Teresa Wood Kett, Public Health Specialist, Newton Health & Human Services Department

Tina Wright, Project Coordinator, PI & EM, Massachusetts League of Community Health Centers

Nancy Wynne, Clinical Coordinator SDC/PACU, MetroWest Natick

Lillian Yadgood, Emergency Management Director, Hallmark Healthcare

Michael Young, Deputy Chief Plymouth FD, Town of Plymouth

Jeff Zach, ED Medical Director, Martha's Vinyard Hospital

Dori Zaleznik, Commissioner of Health and Human Services, City Of Newton

Lisa Zani, Assistant CNO, MWMC

Lori Zanin, Administrative Director of Laboratory Services, Milton Hospital Voices of Experience: **Leadership During a Disaster**

Appendix: Presentations

The Virginia Tech Response – M. Scott Hill, MEd, MHA, FACHE
Response to the 35W Bridge Collapse – John L. Hick, MD
Central London Suicide Bombings - 7th July 2005 – David Whitmore



INTRODUCTION



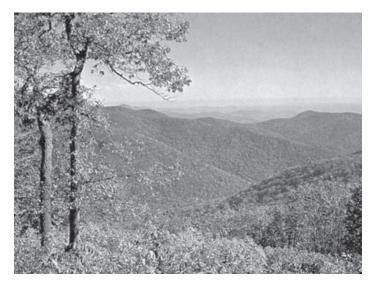
Blacksburg, Virginia

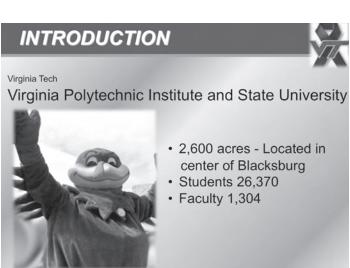
Population: 41,000

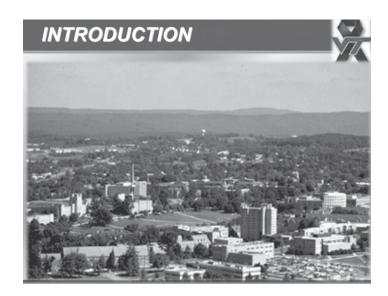
Service Area Population: 150,000

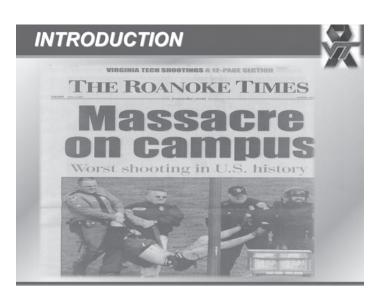














INTRODUCTION



April 16, 2007

- Unseasonably cold day in Blacksburg 32 degrees
- ➤ High wind warning 30-40 MPH gusting to 60+ mph

INTRODUCTION

LewisGale Hospital Montgomery HCA Virginia Health System Notice admins 146 bed acute care facility Licensed by the Commonwealth of Virginia Accredited by The Joint Commission Emergency Room – Trauma Level III Major Services: General Medicine, General Surgery, Cardiology, Pulmonary, Orthopedics, Obstetrics, Gastroenterology, Urology, Oncology, Emergency

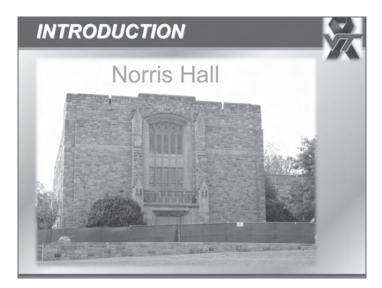
 Core teaching hospital affiliated with the Edward Via Virginia College of Osteopathic Medicine (VCOM)

INTRODUCTION



Other Area Hospitals

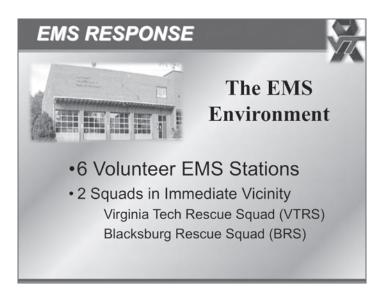
- New River Valley Medical Center Radford, VA (15 miles)
 - Level III Trauma Center
- Giles Memorial Hospital Pearisburg, VA (24 miles)
 - Non Trauma Designated Hospital
- Lewis-Gale Medical Center Salem, VA (30 miles)
 - Non Trauma Designated Hospital
- Pulaski Community Hospital Pulaski, VA (35 miles)
 - Non Trauma Designated Hospital
- Carilion Roanoke Memorial Hospital Roanoke, VA (42 Miles)
 - Level I Trauma Center



TOPICS OF DISCUSSION



- ➤ Emergency Medical Services (EMS) Response
- ➤ Hospital Response
- ➤ What Went Well
- >Lessons Learned
- ➤ Recovery We Are the Hokies!



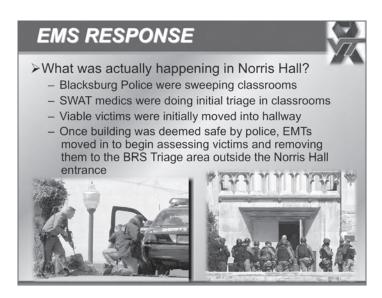
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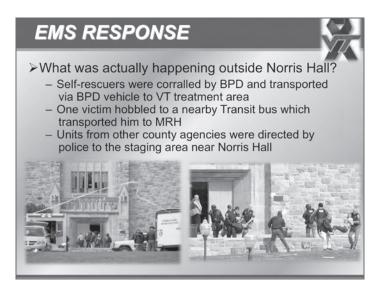
► 0735 GSWs to head in both victims VTRS requests LifeGuard Helicopter Advised unable to respond (fly) due to weather (snow flurries and high winds) Would remain unavailable for rest of day due to high winds ► 0744 Both patients transported to MRH Advised shooting was most likely the result of a "love triangle"

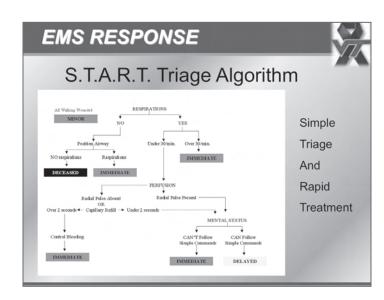
► 0942 VT Police Department dispatched to Norris Hall "Active Shooter" ► 0946 VT Rescue Squad dispatched for shootings in progress VT Rescue Squad begins setting up command post at their squad station just a few blocks from Norris Hall

► 0947 "Multiple GSWs" VTRS contacts BRS requesting assistance All available units mobilized from BRS ► 0948 "Bring them all!" All Montgomery County EMS Agencies alerted to respond to the secondary staging at BRS station

► Initial Chaos – Everyone on different frequencies BRS units were first to arrive at Norris Hall but did not see any evident command structure and did not yet know location of Command Post VTRS had established a Command Post at VT EMS Station and a Triage/Treatment area nearby, but were having trouble communicating this to all ambulances because of the radio frequency differences Confusion among rescue squads as to where to go for "staging area"







EMS RESPONSE

Improvements on the fly

- By 1015 Unified Command Post Established at VTRS Station a few blocks from Norris Hall
- VTRS and BRS had joined the two communication nets together
 - Coordinated response of the two EMS agencies
 - Established Ongoing Communications with Hospitals
- Established a primary and secondary staging for incoming **EMS** units
 - Both a few blocks away



≥1051

- All viable patients removed from Norris Hall to either Transport Units or Treatment Area

≥1058

- False Alarm of 2nd shooter on opposite side of campus

≥1118

- Bomb threat reported at Norris and adjacent Holden Halls

▶1151

- All patients confirmed transported from scene



EMS RESPONSE



The Numbers

- 29 Total EMS Transported 26 total number of victims transported 3 victims transported from MRH and NRCC to RMH
- Final Deceased (Black) Count: 33
- 14 Agencies, 27 ALS Ambulances, 120+ EMS Personnel
 - · Blacksburg Rescue Squad
 - · Virginia Tech Rescue Squad
 - Christiansburg Rescue Squad
 - Shawsville Rescue Squad
 - Longshop/McCoy Fire/Rescue
 - Carilion Patient Transportation Services
 - Salem Rescue Squad
- · Giles Rescue Squad
- Newport Rescue Squad
- · Lifeline Ambulance Service
- Roanoke Fire/EMS
- · Vinton First Aid Crew
- · Radford University EMS
- · City of Radford EMS

EMS RESPONSE



"Overall the EMS response was excellent and the lives of many were saved.... The results in terms of patient care are a testimony to their medical education and training for mass casualty events, dedication, and ability to perform at a high level in the face of the disaster that struck so many people."

Review Panel

HOSPITAL RESPONSE





Hospital Timeline of Events



- > 0750 0755: Two GSW victims arrive at MRH ED from Virginia Tech Campus.
 - Victim #1 is dead on arrival.
 - Victim #2 two GSWs to head evaluated and quickly transferred to RMH (Level One Trauma Center) at 0830 (Pronounced dead at RMH)
- ➤ 0945: Emergency Department notified of gunshots being fired on Virginia Tech campus.
 - Multiple Physicians Called STAT to ER
 - Hospital initiated controlled access.

- ➤ 1000: Further information relayed from EMT at scene "Prepare for Multiple GSW victims"
 - Condition Green (Disaster Code) called.
 - MRH Command Center opened
 - ED placed on divert to other EMS calls.
 - Elective OR procedures cancelled
 - 3 General Surgeons waiting in ED

HOSPITAL RESPONSE



- ➤1005: First patient arrives from Norris Hall
 -Stopped local transit bus drove patient to ED
- ➤1014 -1015: Two patients (YELLOW) arrive via EMS
- ➤ 1005 -1020: Stable ED patients (not involved in incident) transferred to outpatient surgery area to free ED beds.



- ➤ 1030: Blood supply assessed at hospital and Red Cross notified
- ➤ 1030: Pharmaceutical Supply assessed. Pharmacist responded to ED
- ➤ 1030: Trauma materials and supplies assessed.

 Disaster Carts moved to area behind ED



HOSPITAL RESPONSE ➤ 1030 – 1040: Four GSW (RED) victims arrive via EMS. ➤ 1036: Media calls began and were forwarded to Public Information Officer (PIO)

HOSPITAL RESPONSE



- ▶1040: ED notified of 5 more victims on the way
 - MRH ER put on DIVERT
 - All further victims diverted to other area hospitals
 - Decision jointly by ER triage team
 - · CNO
 - ED and Triage Physicians
 - EMT/RN Triage/Communication liaison
 - 4 Victims to CNRVMC
 - 5 Victims to LGMC



- ➤ 1044 1056: Five more victims arrive via EMS.
- ➤ 1045: Chief of Surgery/Triage Officer takes critically wounded patient straight to OR
 - All 3 available general surgeons are now caring for critically ill patients who need to go to OR
 - ED Physician takes over as Triage Officer
 - Request goes out to Lewis Gale to send General Surgeon to MRH



- >1100: Disaster/Trauma Counselors en route to MRH
- ➤ 1115: Unclear communications regarding number of additional patients to expect (ED had been put on divert status)
- ➤ 1120: Hospital liaison (Director of Emergency Medical Services) sent to Command Center at VT
 - -Information relayed directly back to hospital

HOSPITAL RESPONSE



- ➤1130: Additional Surgeon arrives from LGMC
- ➤1151: Hospital Liaison at VT confirmed all patients had been transferred from scene



- ▶1212: MRH ED taken off divert.
- ➤1304 1310: Arrival of two patients who self-transported and were injured at scene, but not GSWs.
- ➤1330: Condition Green (Disaster Code) cleared



- Hospital remained on controlled access until last patient was discharged.
- ➤ Disaster/Trauma Counselors remained at MRH for a week after incident and were available to patients, families, EMTs, and hospital staff

HOSPITAL RESPONSE



MRH Medical Staff Response

- > Physician/PA/NP Availability Waiting in ED
 - 3 General Surgeons (2/3 Chest, 3/3 Vascular)
 - 2 Orthopedic Surgeons
 - 1 ENT Surgeon
 - 1 Urologist
 - 1 ED Physician
 - 2 Additional ED physicians
 - 2 Physician's Assistants
 - 1 Nurse Practitioner

HOSPITAL RESPONSE



MRH Operating Room Capabilities

- 6 Operating Rooms
- 3 Anesthesiologists
- 4 CRNAS

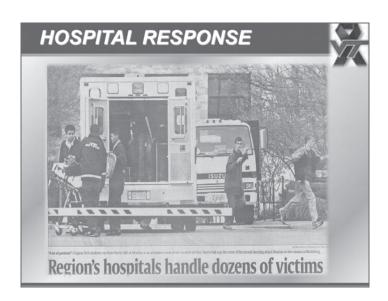
	ARRIVAL	TRANSPORT STATUS	INJURY	DISPOSITION
1	7:50 am	DOA	GSW to head	DOA
2	7:50 am	Red	GSW to head	Transported to Roanoke Memorial Hospi by 8RS
3	10:05 am	NA.	Jumped from 2 rd floor: Fracture Mid Tibia-fibula	Discharged 4/21
4	10:09 am	Green	Asthma attack induced by running from building	Discharged 4/16
5	10:14 am	Willow	3 GSW (Thigh x 2, Elbow)	Discharged 4/19
6	10:15 am	Yellow	1 GSW (Upper arm)	Discharged 12:35
7	10:30 am	Red	2 GSW (Right chest, Right flank/chest)	Discharged 4/23
8	10:35 am	Red	3 GSW (Abdomen, Buttocks, Scalp)	Discharged 4/23
9	10:38 am	Red	3 GSW (Jaw/Face, Head, Wrist)	Transferred to Roanoke Memorial by EM
10	10:40 am	Vellow Red Yellow Hilly, Organizated Egipt fark-scharteriar abdominated MESED OF RESIDE	4 GSW (Flank, Buttocks, Flank, Toe)	Discharged 4/21
11	10:44 am	Willow	3 GSW (Arm. Hand, Abdomen)	Discharged 4/17
12	10:45 am	Red	2 GSW (Upper thigh, Mid thigh)	Discharged 4/27
13	10:50 am	Willow	2 GSW (Arm, Forehead)	Discharged 4/17
14	10:55 am	Green	1 GSW (Hand)	Discharged 4/19
15	10:56 am	Yellow	2 GSW (Left thigh x 2)	Discharged 4/20
16	1:04 pm	Green	Burned at VT dining during tragedy	Discharged from ER
17	1:10 pm	Green	Jumped from 2 rd floor: Back pain	Discharged from ER



1020 am: Early Mid-Disaster Reevaluation

- ➤1st two patients had been taken immediately into the two major monitored Trauma Rooms
- ➤EMT Liaison at scene notified us that multiple RED victims were on their way
- Trauma Victims #5 and #6 injuries had been assessed as non life threatening
 - Both patients immediately moved to smaller non-monitored rooms

Triage team moved to ED Entrance: Allowed more appropriate room assignment



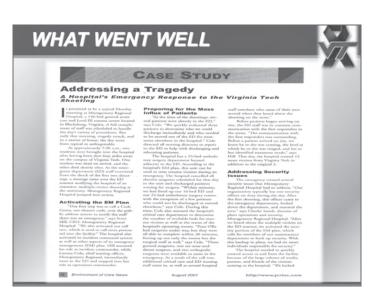
➤ The Numbers

- 26 Patients transported by EMS

Hospital	Trauma Center	Red	Yellow	
MRH	III	6	5	5
NRVMC	III	1	3	0
Lewis-Gale MC	NA	0	4	1
Roanoke Memorial	I	3		



Nurses Respond to the Virginia Tech Disaster Published May 2007 "American Nurse Today" If they you work in on Energymy Digartness (ED) you expect the surpeyed, but what largous when the unfinished occurr? As the night shift was ending, a call come over the recues upant radio to repost on an incident of legislar Tech. As the calls for antistance increased, the Utility of the Comment of the Co



➤ Event occurred on Monday morning when hospital fully staffed, surgeons in-house, shift change for nursing staff, and ED not yet swamped. ➤ Incredible teamwork hospital-wide ➤ Trauma Designation

WHAT WENT WELL



Regular Drills

- ➤ Usually 1-2 small disaster drills per year
- ≥10/2007 County Wide Disaster Drill
 - Explosion of hazard waste truck outside local area hotel
 - Wanted 80 casualties but could only manage 50
 - All EMS in County involved and staged in the MRH ED including decontamination showers located outside ED
 - Multiple emergency squads, ambulances, and EMTs took part.
 - ED physicians actively involved
 - MRH staff actively involved
 - Other physicians called to check communications and see if available

WHAT WENT WELL



- ➤ Patient re-triage and room assignment at ED door (Triage MD and EMT/RN)
- ➤ Patient received immediate screening in room and care was prioritized
- Disaster carts were already made up and easily available

WHAT WENT WELL



- >Excellent Physician response
- Excellent Staff Response many responded prior to receiving call.
- Pre-established contacts and planning with community partners.
- Overwhelming Response from Community and Nation

WHAT WENT WELL



- ➤ Counselors available quickly
 - Invaluable to patients, families, and to medical responders
- Counselors available for many weeks after the tragedy

LESSONS LEARNED

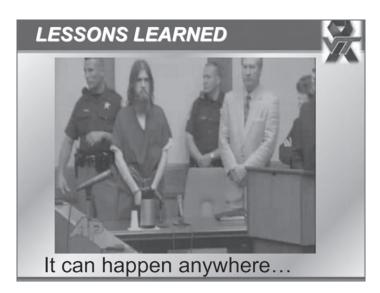


Previous "Emergency Events"

- ➤8/2006 Prisoner overwhelmed his police guard in MRH ED, took his gun, and shot and killed the hospital security guard in front of the entire ED staff
 - MRH reassessed emergency procedures
 - Command issues
 - Staffing issues
 - Communication issues
 - Lock down procedures
 - Counseling issues Emotional trauma, anxiety, depression
 - Disaster Planning trauma carts

August 20, 2006 THE ROANOKE TIMES Shooting leaves 1 dead Shooting leaves 1 dead





▶ Practice and Drills do pay off ▶ Decisions were made early Canceling elective procedures Clearing ED patients to Outpatient area ▶ EMT Liaison (ED staff RN) on scene at VT communicated with ED and Triage Team We knew what type of injuries were coming prior to arrival

LESSONS LEARNED



- ► Enhanced Patient Tracking
 - All victims need Triage Tags
 - Green Yellow Red
 - Injuries on tags helpful
- ➤ Speedy paper documentation essential or it is impossible to handle volume
 - Extra staff needed for paper work
- >Trauma packets essential
- ➤ Patient ID essential (especially if unresponsive)
 - Must be able to track patients

LESSONS LEARNED



- >Better Communications needed
 - -Internal and external
 - -EMS Radiofrequencies need to be the same
 - -Cell phones/Nextel systems overburdened
 - -Cannot count on cell phones in an Emergency
 - -Campus alert systems

LESSONS LEARNED



- ➤ Administrative Liaison from hospital needs to be dispatched to scene Command Center immediately
- ➤ Police liaison needs to be at Command Center
- University liaison needs to be at Command Center

LESSONS LEARNED



- ➤ Need for improved communication between University and Healthcare System
- **>**JIC
- ➤ Noble Training Center

➤ Need consistent logical room ID system ➤ Consultants unfamiliar with layout of ED were "lost" in ED. - Named rooms hard to find • "Trauma", 'Cardiac", "ENT", "Suture", etc. ➤ Rooms changed to "Numbers" post event

LESSONS LEARNED



- Larger waiting area for family and friends.
- ➤ Delegation of assignments not normally in employees daily job duties.

LESSONS LEARNED



- Lockdown and controlled access is a challenge for limited security personnel.
- ➤ Virginia State Police helped with lockdown

LESSONS LEARNED



Again, practice and drills do pay off!!!

LESSONS LEARNED



Panel Recommendations for EMS

- ➤ Countywide Communications Center

 —To improve interoperability
- ➤ Unified Command Post to NIMS standards
 —Include Law and University Officials
- >Stricter adherence to NIMS nomenclature
- ➤ Early opening of Emergency Operations Center (EOC) Web based to coordinate all EMS in area

Panel Recommendations for EMS

- >Annual Regional Disaster Drills
 - More inclusive
 - · Regional Hospital Coordinators
 - State Agencies
 - Medical Examiner
- ➤ Accurately Completed
 - Triage Tags
 - Patient Care Forms Trauma forms
 - Incident Command Service Forms
- >Do not transport deceased in emergency mode
- ➤ Critical Incident Stress Debriefing (CISD) resources readily available as needed

LESSONS LEARNED



Emotional and Psychological Impact

>www.PsychHealthRoanoke.com -John Heil, DA, LCP, FAPA

>>30 Counselors, Local and National

LESSONS LEARNED

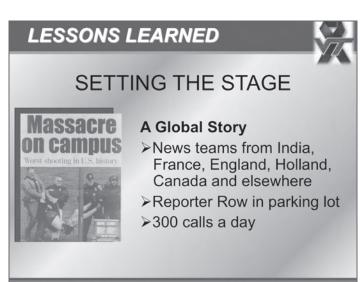


Hospital as a "Sanctuary"

- ➤Information as "Dilemma"
 - -Safe Harbor Provisions
 - -VHHA WebEOC for patient tracking
- ➤ Ownership and Partnerships
 - -Who is in charge?
 - -Opportunism
 - -Screening of Volunteers

Thursday	April 28	2011	Norwood	ΜΔ





SETTING THE STAGE A Who's Who of Media Katie, Stone, Matt, Larry, Oprah, Greta NY Times, LA Times, Washington Post, USA Today, People, Newsweek Associated Press, NPR Healthcare publications



UNIQUE CHALLENGES

Overwhelming Media Call Volume

The Solution

- ➤ Staff up
 - HIM and Accounting handled family calls
- ➤ Use all available tools
 - Reporter hotline
 - Internet link
 - Proactive wire service releases
- ➤ Provide updates every 2-3 hours

DON'T HUNKER DOWN

LESSONS LEARNED

LESSONS LEARNED



UNIQUE CHALLENGES

The Glare of the Spotlight

The Solution

- > Find the right spokesperson
 - Administrative and clinical (Two isn't always better than one)
- ➤ Dive into the pool
- Let your employees tell their story
 - Choose wisely and trust





Patient and Family Ambivalence

The Solution

- ➤ Explain their options
- ➤ Be open with reporters



LESSONS LEARNED



UNIQUE CHALLENGES

The Search for the Elusive Exclusive

The Solution

- >Find them a home
- >Monitor their behavior
- >Make tough choices about access
- >Remember the hometown reporters

LESSONS LEARNED



UNIQUE CHALLENGES

Where does reasonable involvement end...

And objectionable self-promotion begin?



Other Considerations

- ➤Visual Image
- ➤ Media Impact
 - -Understand motivations
 - -Restriction of access
 - -Local versus international
 - -Maintain a therapeutic milieu

LESSONS LEARNED



Long Term Impact

- >Acute need peaked in day four
- ➤Ongoing issues of fear, anger and uncertainty

 —Turnover
- >Do not underestimate multitude and magnitude
- >Address in EM Plan



We Are Virginia Tech Nikki Giovanni's Address, Delivered April 17, 2007 d we will be sad for quite a while. We are not moving on, we are embracing

We are sad today, and we will be sad for quite a while. We are not moving on, we are embracing our mourning
We are Virginia Tech

We are strong enough to stand tall tearlessly, we are brave enough to bend to cry, and we are sad enough to know that we must laugh again.

We are Virginia Tech.

We do not understand this tragedy. We know we did nothing to deserve it, but neither does a child in Africa dying of AIDS, neither do the invisible children walking the night away to avoid being captured by the rogue army, neither does the baby elephant watching his community being devastated for ivory, neither does the Mexican child looking for fresh water, neither does the Appalachian infant killed in the middle of the night in his crib in the home his father built with his own hands being run over by a boulder because the land was destabilized. No one deserves a tragedy.

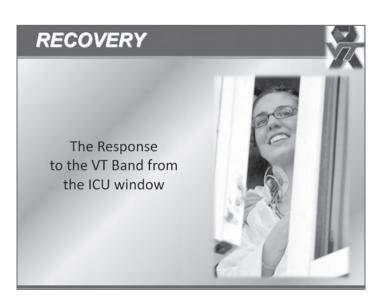
We are Virginia Tech.

The Hokie Nation embraces our own and reaches out with open heart and hands to those who offer their hearts and minds. We are strong, and brave, and innocent, and unafraid. We are better than we think and not quite what we want to be. We are alive to the imaginations and the possibilities. We will continue to invent the future through our blood and tears and through all our sadness.

We are the Hokies.

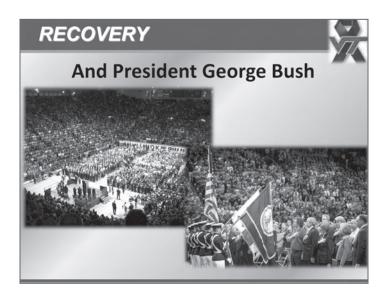
We will prevail. We will prevail. We are Virginia Tech



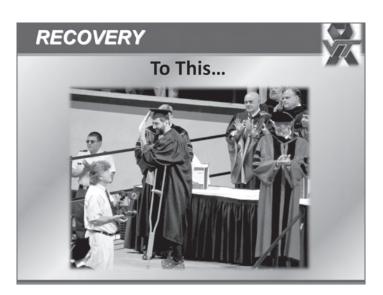
















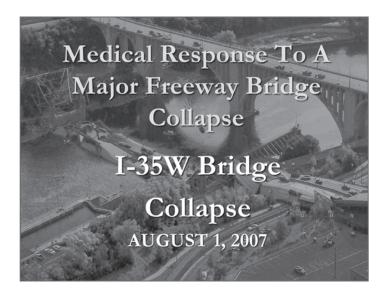


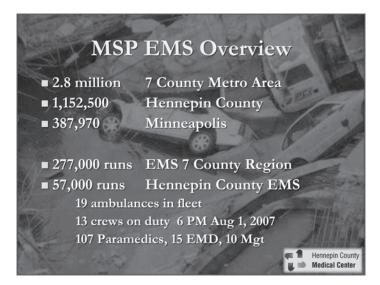






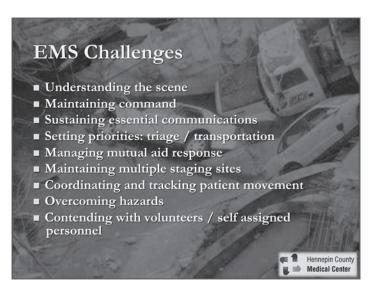


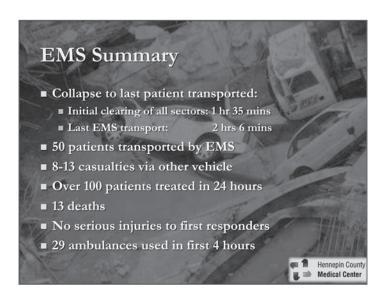




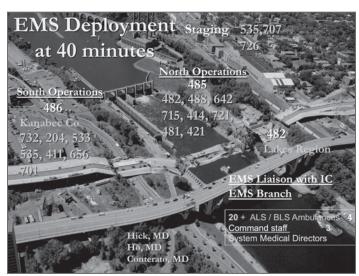


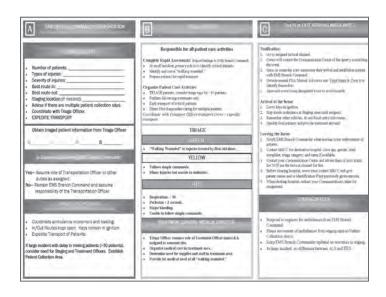




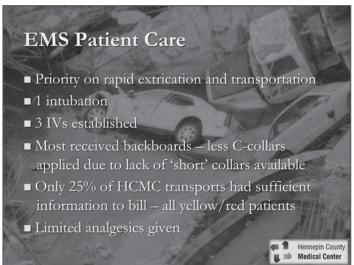


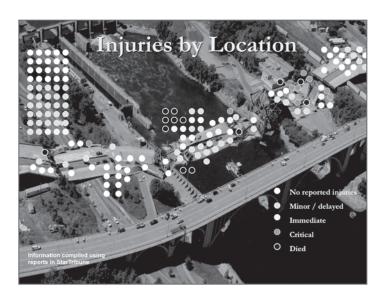


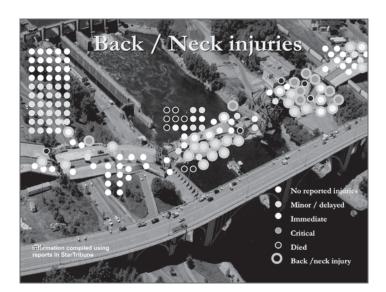


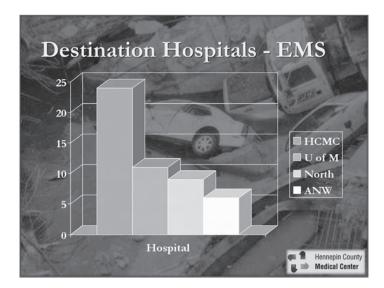


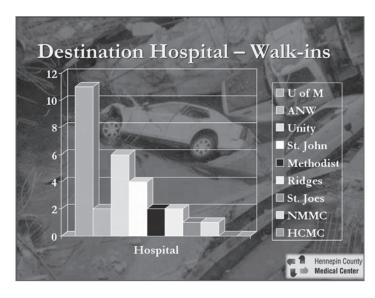










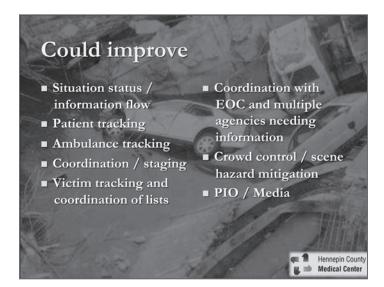


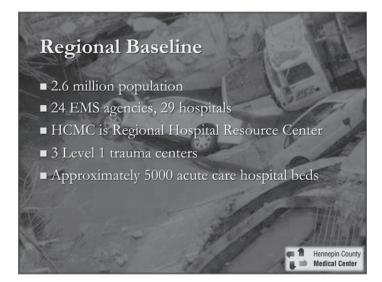
Hennepin County

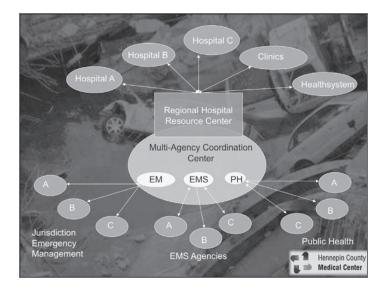
Delayed Patient Presentations Significant numbers following day, tapering next 2 days Total 48 additional patients = 127 1 admission in this group Mainly muscular back / neck pain Often behavioral health related (headaches, behavioral issues especially children)

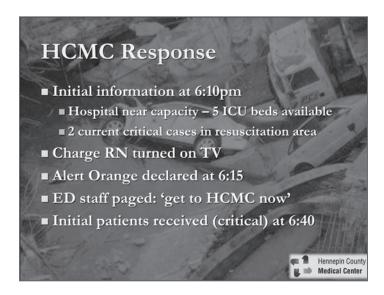
Mitigating Factors Weather Traffic / lack of forward motion of vehicles Use of automobile restraints 'Cushion' of bridge collapsing under vehicles and shocks, seats Location of event (proximity to hospitals and resources) Luck!

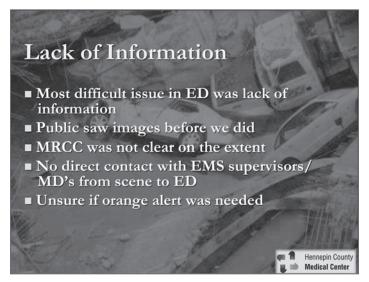
Worked well Regional EMS response plan / mutual aid TF-1 collapse rescue team deployment Incident management overall Civilian assistance (early) Public Safety teamwork Adaptation to challenges (pickups) Communications systems Rapid patient care and transport

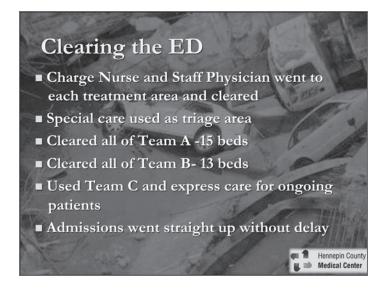




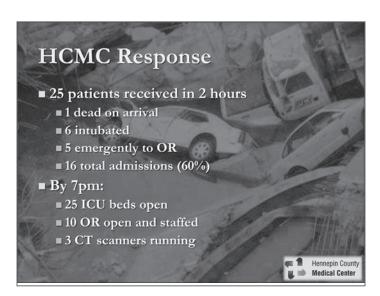


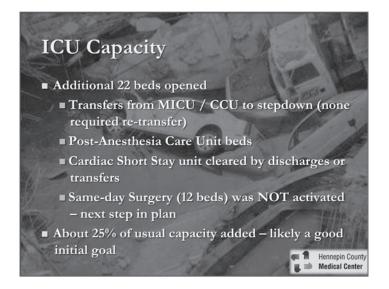


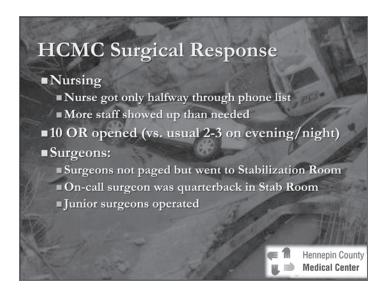




	Key Injuries	ISS	Disposition
	Cardiac arrest	34	Expired
2 /	Head and abdominal injury	30	OR
3	Abdominal injury	34	OR
1	Head and spinal injury	50	CT - OR
5	Head and spinal injury	17	CT - ICU
6	Abdominal injuries	12	CT - ICU
7	Abdominal injuries	22	OR





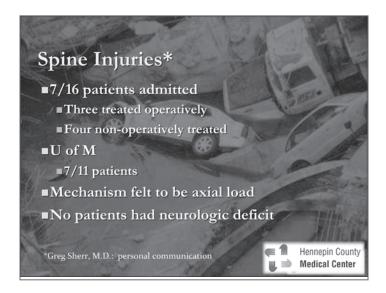


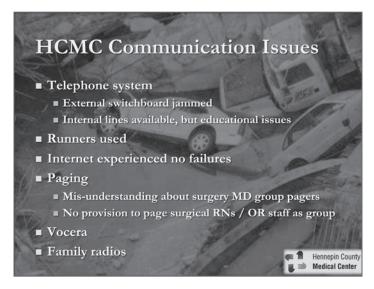




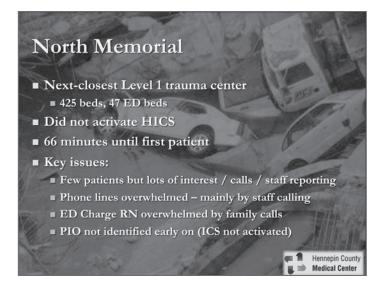
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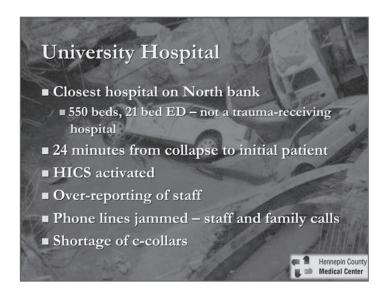
Injury	Severity	Scores		
	Discharged	Admit	Admit ISS range	Admit ISS avg.
нсмс	9	16	1- 50	17
UMMC	14	12	3-14	6
NMMC	6	4	4-14	9.5
	40	70	1	Hennepin Co

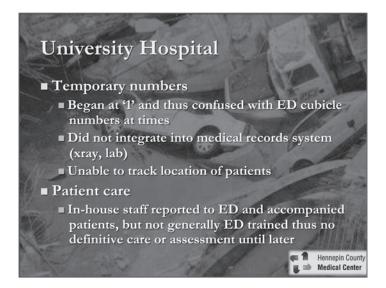


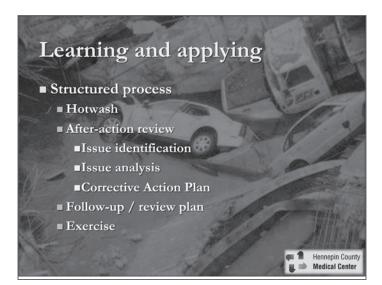


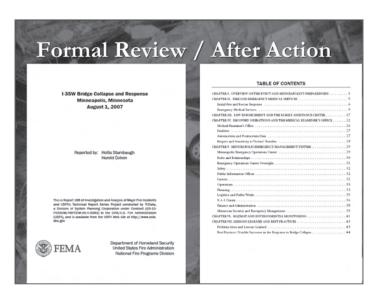
HCMC Other issues Policy about ICS and alcohol use prior to event Charting solutions and patient location in EHR Supply delivery systems Media monitoring PIO role and issues Situational awareness Hennepin County Medical Center

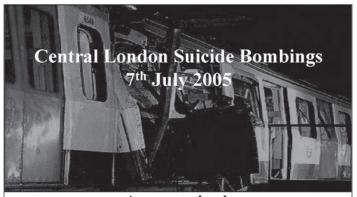












A presentation by
David Whitmore
Senior Clinical Advisor to the Medical Director
London Ambulance Service NHS Trust



London Ambulance Service

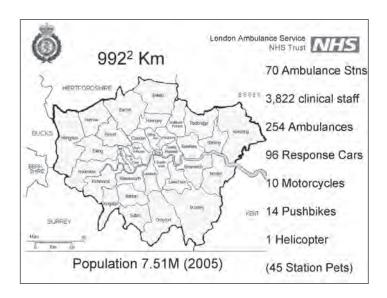


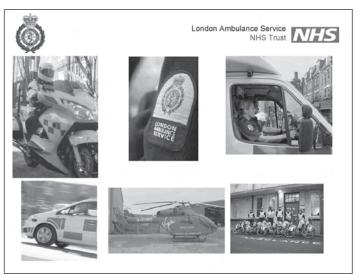
This talk will cover:

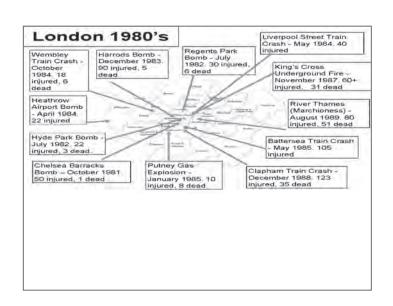
- · A brief overview of The London Ambulance Service (LAS)
- A brief review of major incidents in London 1980 2005
- My personal account of the bombings, and an examination of all four sites
- Overview of LAS approach to major incidents
- · An overview of the London Assembly Enquiry
- An overview of the official Inquest held by HM Coroner
- · Some personal views

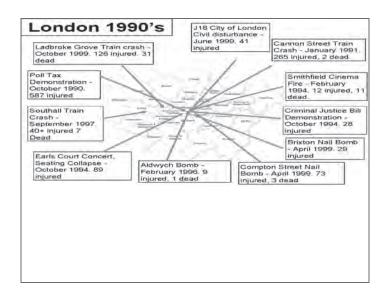


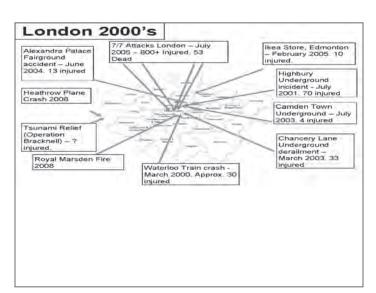
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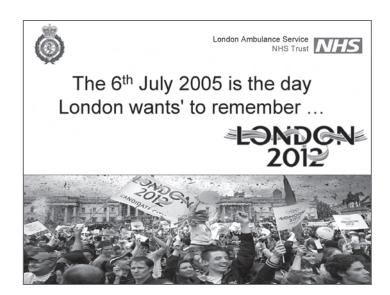


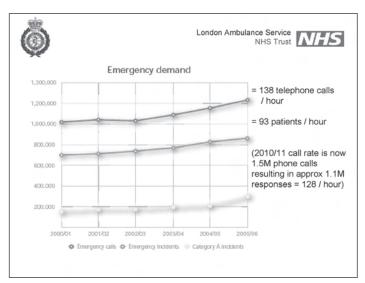


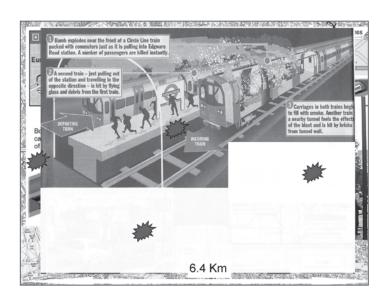


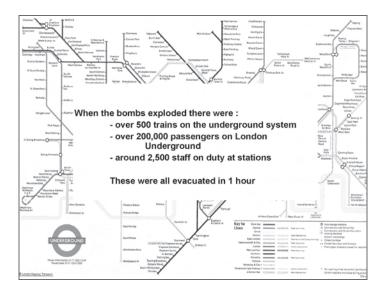


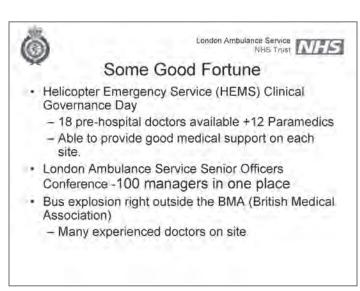


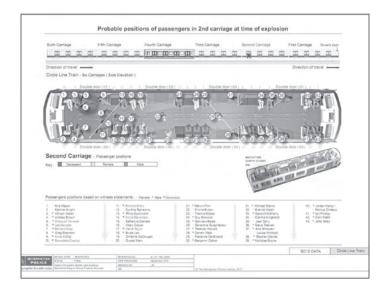






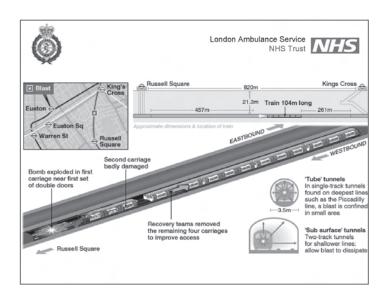








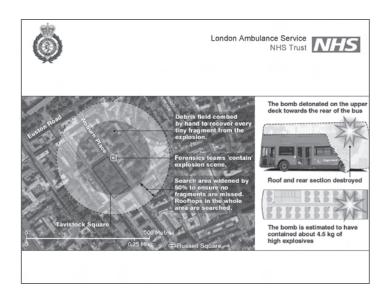










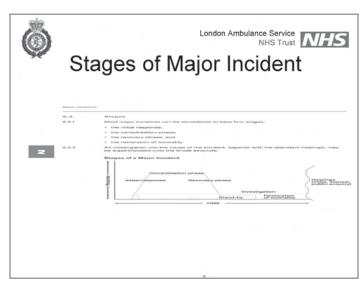




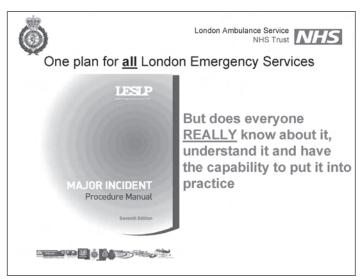


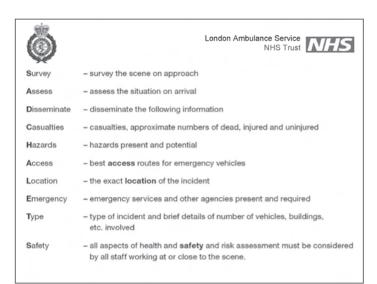










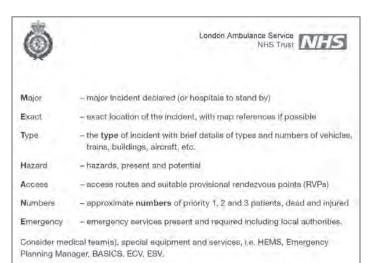




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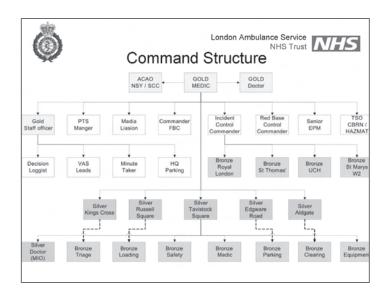
1st Crew / resource on scene

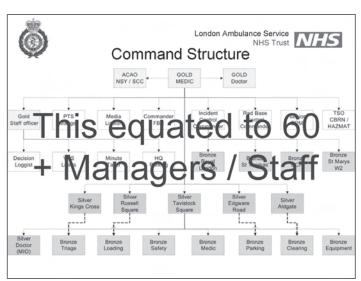
- · report arrival on scene to Emergency Operations Centre;
- · confirm and/or declare a major incident;
- · liaise with other emergency service incident officers;
- provide EOC with a detailed situation report (use CHALET or METHANE); and
- · request ambulance/medical resources required pending the arrival of the AIO.



Incident Control Room



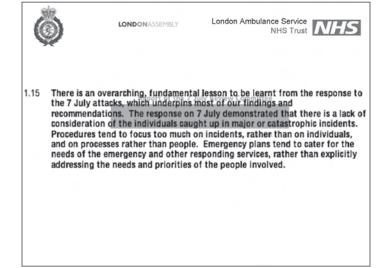


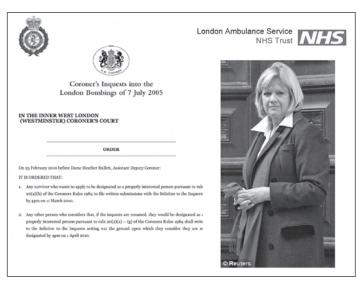


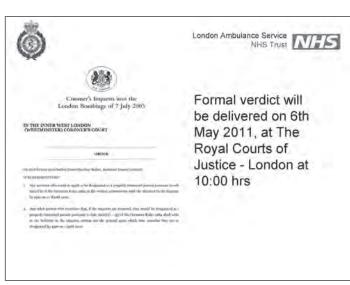
Г			_
	Scrutiny	London Ambulance Service NHS Trust	NHS
	Enquiries		
	Inquests		
	Lessons (Re)Learnt		
	Acknowledging that we same mistakes!	e often make	the

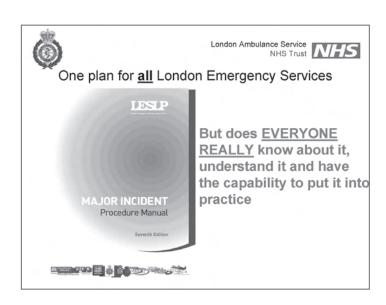
Lessons identified Communications Medical support Management of the incident Business continuity Staff welfare and safety



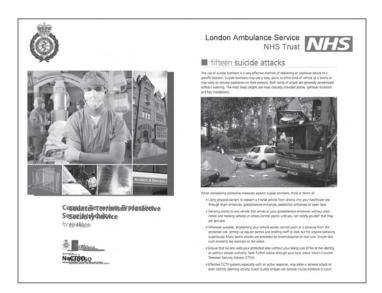




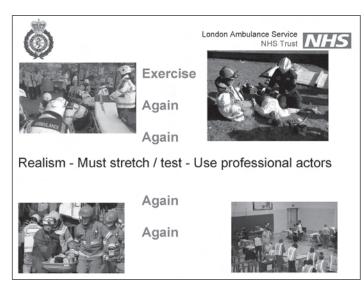


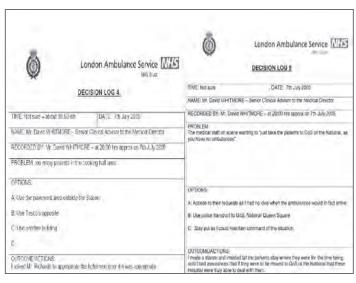














A Patient's Perspective

"We could not communicate with the driver, because communications had been cut, but we needed someone or something to be able to tell us, 'We know you are there.' We were stuck there, for about half an hour, not knowing if we were going to live or die, if someone was going to come and get us or not".



Patient Liaison



Appoint Patient Liaison Officer

To communicate with patients and members of the public, throughout the incident





Critical Incident Logiest

Role responsible for maintaining the critical incident log - a list of critical entries taken from the overall incident log highlighting those requiring urgent action.



Pagers

Need for robust paging services
Kings Cross 1987
By 2005 Pagers considered obsolete and removed from service
Rapidly reintroduced post 7th July 2005
Ease of messaging



Communication problems

Incidents at multiple sites

Delay in despatching resources

Close location of secondary incident

Resources sent to wrong location

Lack of information to local hospitals

Clinical staff self deploy



Communication problems

Incidents at multiple sites
Delay in recognition
Underground locations
Identifying exact location

Access

Multiple egress points

Comms (radio) failure



Communications: in summary

Vast amount of information – failure to highlight critical items

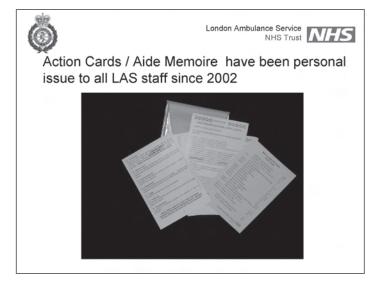
Always a problem – assume they won't work

Avoid use of mobile phones





Voices of Experience: I	Loadorchin	During a	Disactor







Triage cards on 7th July (Over 500 used)



Amendment to Bronze Triage made 2005

Primary Triage Officer

Formalised as a bronze role responsible for the initial triage of patients at the forward incident site.

Secondary Triage Officer

Formalised as a bronze role responsible for the triage sort of patients in the Casualty Clearing Station.





Unknown

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Gill is a testament to the success of Triage principles, multi-disciplinary teamwork (none of whom had ever met each other before the bombings), all allied to determination not to give up if there was even a slight

Although I made a number of Triage decisions regarding Gill. I always assumed that she had not survived overall.

My joy on seeing a newspaper article about her some months later, literally gave me palpitations.



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Gill's own words

And then I heard two words, two of the best words that I could ever hear - "P(rjority) One" - and a tag of some sort was placed on me. That sounded fantastic!



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Gold Command

Initial Actions

- · Understanding what is happening !
 - How many incidents/locations
 - Scale of the likely casualties
 - Command teams deployed
 - Resources deployed
 - Information flows. Communication Issues
 - What might happen next



Gold Command

Initial Actions

- Establishing Gold Command Team
- Establishing meeting Structures
- · Liaising with other emergency services
- · Liaising with Health Gold/Dept.Health/Government
- · Alerting/Communicating with Hospitals



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Gold Command

Dealing with "ordinary" incoming "999" (911) workload = 144/hour (2005 figure)

(2011 call rate approx 180 / hour)



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On 7/7 Estimated at 50% of normal:

still equates to 70 telephone calls resulting in 50 patients:

(estimate average 1.4 calls/patient)



Emergency Operations Centre (Main Control Room)

- · Major Incident procedures instigated
- Major incident Control Room opened to manage incidents.
- · Incident Commander appointed
- · Back Up control opened and team established
- Decisions to restrict normal 999 responses implemented quickly.

Mutual Aid/Support

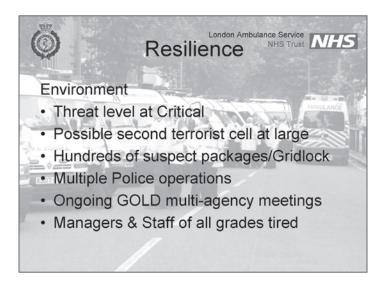
- Voluntary Aid Societies
 - Outstanding support from St John and Red Cross providing large numbers of vehicles and staff.
 - Close working over many years and involvement in our planning ensured excellent response.
- NHS Mutual Aid provided over 50 available ambulances from the five counties surrounding London

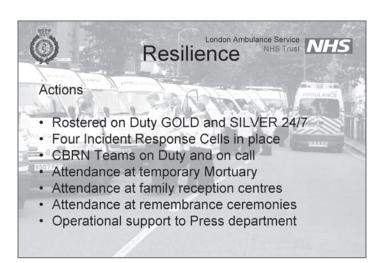


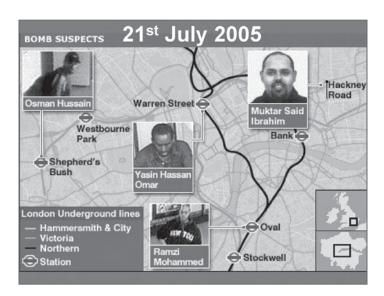
















Impact on public transport

In contrast to 7 July there was not a complete shutdown of the London Underground system and parts of the network continued to operate.

- The Visiona Line was entirely suspended and partially reopened later the same day
- The Northern Line was unlimity suspended and reopened the following day
- ■The Hammersmith and City Line was full conded
- In I was ly the was suspended and reopened the following pay are pt the portions still closed due to 7 July attacks
- The Bakerloo Line was entirely suspended and reopened later the same day
- The Antiro offian Line was suspended between Baker Street and Moorgate and reopened into the articly
 The Circle Line was already suspended due to 7 July attacks.



LAS Over Capacity Arrangements Feb 2009 Red 1 Level 1 - Only dispatch on Red or Amber Red 2 Red 3 Level 2 - Only dispatch on Red or Amber 1 Amber 1 Amber 2 Level 3 – Only dispatch on Red 1 or Red 2 Green 1 Green 2 Invoked with clinical oversight and Non-urgent safeguards

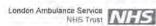




What went well: (Despite 6 years of scrutiny & debate)

- Tried and Tested Procedures for London worked well
- · Established relationships were important
- Command Structures at Gold (Strategic) and Silver (Tactical)
- · Mutual Aid
- · Media management
- · Staff welfare
- · Resilience Planning
- · Team Working across the Lond Amb Ser





What did not go so well

- · Communications/Mobile Phones
- Some delays in getting second wave of ambulances to one scene.
- Some Confusion for crews when two explosions (scenes) were close together.
- · Issues with distribution of casualties
- Information Management



Key Messages NHS Trust

- Western Europe has now seen its first suicide bombers. Mindsets must change
- Multiple simultaneous incidents designed to maximise casualties must be expected
- Extensive Planning before the event is essential – "Role <u>not</u> Rank" needs extensive exercising
- Communications, Communications, Communications

Voices of Experience: Leadership During a Disaste				
	Voices of Evperience:	l aadarahin	During	Diccoto









