

## CURRICULUM VITAE

# DAVID EUGENE CLARK

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### Personal Information

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### Current Positions

Attending Surgeon	Department of Surgery, Maine Medical Center, Portland ME	1980-present
Professor	Department of Surgery, College of Medicine University of Vermont, Burlington VT	2005-present
Core Faculty	Harvard Injury Control Research Center Harvard School of Public Health, Boston MA	1998-present

### Education

AB, 1971	Dartmouth College, Hanover NH - Government major	1967-1971
MD, 1975	George Washington University, Washington DC	1971-1975
MS, 1995	University of Southern Maine, Portland ME - Statistics	1990-1995
MPH, 1995	Harvard University, Boston MA - Quantitative Methods	1994-1995

### Clinical Training

Surgical Intern	Dartmouth Affiliated Hospitals, Hanover NH	1976-1977
Surgical Resident	Maine Medical Center, Portland ME	1977-1980
Trauma Fellow	Shock-Trauma Center, University of Maryland, Baltimore MD	1981-1982
Endoscopy Fellow	Kitasato University Hospital, Kanazawa, Japan	1986

### Licensure

Maine, #10200	1980, Renewed 2006
Maryland, #D26624	1981, Inactive
DEA, #AC1706108	1980, Renewed 2007

## Certification

National Board of Medical Examiners, #155830	1976
American Board of Surgery, #27139	1981, Recertified 2000
Added Qualifications in Surgical Critical Care, #51	1987, Recertified 2005
American College of Surgeons, Advanced Trauma Life Support Instructor	1982, Recertified 2004
American Heart Association, Advanced Cardiac Life Support Provider	1983, Recertified 2005
American Burn Association, Advanced Burn Life Support Instructor	1987, Recertified 2008
American Society for Quality, Certified Quality Engineer	1998, Recertified 2007
Advanced Trauma Operative Management, Instructor	2006

## Academic Appointments

Professor	University of Vermont College of Medicine, Burlington VT	2005-present
Clinical		
Associate Professor	University of Vermont College of Medicine, Burlington VT	1990-2005
Clinical		
Assistant Professor	University of Vermont College of Medicine, Burlington VT	1983-1990
Instructor	Department of Health Policy & Management, Harvard School of Public Health, Boston MA	1998-present
Visiting Scientist	Ludwig-Maximilians Universität, Munich, Germany	1998-1999

## Hospital Appointments

Active Staff	Maine Medical Center, Portland ME	1983-present
Associate Staff	Maine Medical Center, Portland ME	1982-1983
Courtesy Staff	Maine Medical Center, Portland ME	1980-1982
Consulting Staff	New England Rehabilitation Hospital, Portland ME	1986-present
Courtesy Staff	Mercy Hospital, Portland ME	1987-2001
Associate Staff	Mercy Hospital, Portland ME	1980-1987

## Maine Medical Center Committees and Assignments

### Standing Committees

Operating Room	1985-1990
Medical Research	1985-1994
Chairman, Medical Research	1988-1993
Institutional Animal Care and Use	1986-1994
Medical Executive	1986-1988, 2003-2008
Transfusion	1984-1994, 1998-present
Chairman, Transfusion	2003-2008

### Special Committees

Trauma, Chairman	1982-1984
Emergency Department Review and Search	1986
Emergency Department Renovation	1987-1989
Surgery Department Internal Review	1988
Trauma Center Planning, Chairman	1988-1989

Breast Care Center Planning	1995-1996
Wound Center Planning	1998-1999
Geriatric Planning/Steering	2003-2006

#### Department of Surgery

Medical Student Coordinator	1982-1986
Director, Burn Unit	1984-1988
Director, Trauma Services	1984-1988
Director, Division of Trauma and Surgical Critical Care	1988-1994
Director, Maine Medical Center Surgical Associates	1988-1992
Residency Curriculum Committee	1996-1999
Co-Director, Maine Wound Center	1999-2001
Quality Assurance Committee	1999-2005
Outreach Education Coordinator	2005-present
Residency Director Search, Chairman	2007-2008

#### Memberships in Professional Societies

American Burn Association	1983-present
American College of Surgeons, Fellow	1985-present
Maine Committee on Trauma	1982-present
Vice-Chairman	1983-1988
Chairman	1988-1994
Committee on Trauma (National)	2002-2010
Judge for Resident Paper Competition	2002-2004
Subcommittee on Injury Prevention	2002-2010
Subcommittee on National Trauma Data Bank	2002-2010
Chairman, NTDB Subcommittee	2006-2008
Ad Hoc Subcommittee on Outcomes	2004-2010
Executive Committee	2006-2008
Special Member	2008-2010
American Public Health Association	1999-present
Section on Injury Control & Emergency Health Services	1999-present
Program abstract reviewer	2004-2005, 2007-2008
Boston Surgical Society	2005-present
Eastern Association for the Surgery of Trauma	1991-present
Publications Committee	2006-present
Maine Medical Association	1982-present
Public Health Committee	1997-present
New England Surgical Society	1989-present
Program Committee	2000-2005
Chairman, Program Committee	2004-2005
International Society of Surgery	1991-present
International Association for the Surgery of Trauma & Surgical Intensive Care	1991-present

#### Memberships in Other Organizations

American Guild of Organists	1981-present
American Society for Quality	1997-present
Andean Rural Health Care, Director	1980-1988
Maine Crash Outcome Data Evaluation System (CODES), Advisory Committee	1993-1995, 1998-1999, 2001-present
Maine EMS Trauma Advisory Committee	1992-present
Chairman	1992-1994

Maine Seatbelt Coalition, Director	1986-1988
Medical Mutual Insurance Company of Maine, Underwriting Committee	2005-present
Physicians for Social Responsibility	1982-present
Pine Tree Foundation for Burns, Trustee	1984-1994, 1996-1998

## Honors

AB <i>magna cum laude</i> , Dartmouth College	1971
Young Doctor of the Year, Maine Medical Association	1985
Award of Appreciation, Andean Rural Health Care	1988
Teaching Award, MMC Chief Surgical Residents	1990
Certificate of Appreciation, Pine Tree Burn Foundation	1998
Governor's Award, Maine Emergency Medical Services	1998
Biographical listing, <i>Who's Who in America</i>	2001
Recognition Award, Maine CODES Project	2002
Award of Excellence, Harvard Injury Control Research Center	2005
Biographical listing, <i>Who's Who in Medicine and Healthcare</i>	2006-2007

## Journal Manuscript Reviewer

<i>Medical Decision Making</i>	1998
<i>Journal of Trauma</i>	2000-2008
<i>Injury Prevention</i>	2000, 2003-2005, 2007
<i>Lancet</i>	2001
<i>Social Science &amp; Medicine</i>	2002-2003
<i>Annals of Family Medicine</i>	2002
<i>Journal of the College of Physicians and Surgeons Pakistan</i>	2003
<i>Health Services Research</i>	2003, 2005
<i>American Journal of Public Health</i>	2004, 2006
<i>World Journal of Surgery</i>	2004
<i>Journal of Rural Health</i>	2005-2007
<i>American Journal of Epidemiology</i>	2005-2007
<i>Journal of the American Geriatrics Society</i>	2006
<i>Annals of Emergency Medicine</i>	2007
<i>Critical Care Medicine</i>	2007-2008
<i>Academic Emergency Medicine</i>	2008

## Current and Prior Extramural Grants and Contracts

Principal Investigator	Effect of organized burn care in Maine Pine Tree Burn Foundation	1989-1990
Co-Author & Co-Director	Development on a statewide trauma registry Maine Health Care Finance Commission	1990-1992
Author & Co-Director	Trauma Referral Quality Assurance Program (with Eastern Maine Medical Center) Dana Outreach Education Foundation	1992-1993

Co-Author & Chairman of Advisory Board	Development of a state trauma system (with Maine EMS) Health Resources and Services Administration	1992-1993
Principal Investigator, Subcontractor	Pathogenesis of secondary brain injury Subcontractor to University of Vermont National Institute of Neurological Disorders and Stroke	1993-1995
Author & Co-Director	ATLS Instructor Update Course Dana Outreach Education Foundation	1996-1997
Principal Investigator	Analysis of injury data using control charts American Society for Quality	1999-2000
Principal Investigator, Subcontractor	Impediments to patient flow in a rural trauma system Small project, Harvard Injury Control Research Center Centers for Disease Control R49/CCR115279	1999-2000
Principal Investigator, Subcontractor	National Violent Injury Statistics System Principal investigator for one pilot site Joyce Foundation (and other private foundations)	1999-2004
Principal Investigator	Injury Surveillance using linked population-based data Centers for Disease Control R49/CCR119798	2001-2003
Principal Investigator, Subcontractor	Outcomes of elderly patients hospitalized after injury Major project, Harvard Injury Control Research Center Centers for Disease Control R49/CCR115279 Renewed	2001-2006 2006-2007
Principal Investigator	Hospital length of stay after serious injury Agency for Healthcare Research and Quality R03/HS13939	2004-2006
Principal Investigator, Subcontractor	Maine injury surveillance using linked population-based data, 2001-2004 (small project through Maine EMS) Health Resources and Services Administration	2006-2007
Principal Investigator	Evaluating hospital outcomes for injured patients Agency for Healthcare Research and Quality R01/HS15656	2007-2009

- 1) Clark DE. Surgical suture materials. *Contemporary Surgery* 1980; 17:33-48.
- 2) Clark DE, Curci MR. Management of the injured spleen without splenectomy. *J Maine Med Assoc* 1980; 17:271-273.
- 3) Clark DE, Georgitis JW, Ray FS. Renal arterial injuries caused by blunt trauma. *Surgery* 1981; 90:87-96.
- 4) Clark DE, Wiles CS, Lim MK, Dunham CM, Rodriguez A. Traumatic rupture of the pericardium. *Surgery* 1983; 93:495-503.
- 5) *Chisholm CD*, Clark DE. Effect of the pneumatic antishock garment on intramuscular pressure. *Ann Emerg Med* 1984; 13:581-583.
- 6) Clark DE, Stocks JF, Wilkis JL. Mesoappendiceal paraganglioma. *Amer J Gastroenterol* 1985; 80:340-342.
- 7) *Leavitt BJ*, Meyer JA, Morton JR, Clark DE, Herbert WE, Hiebert CA. Survival following non-penetrating traumatic rupture of cardiac chambers. *Ann Thorac Surg* 1987; 44:532-535.
- 8) Clark DE, Igarashi M, Hiki Y, Okabe H. Education in gastroenterology at a Japanese hospital. *J Clin Gastroenterol* 1988; 10:205-209.
- 9) *Lemos MJ*, Clark DE. Scalp lacerations resulting in hemorrhagic shock: Case reports and recommended management. *J Emerg Med* 1988; 6:377-379.
- 10) Clark DE, *Demers ML*. Lower body positive pressure. *Surg Gyn Obstet* 1989; 168:81-97.
- 11) *Elmore JR*, Clark DE, Isler RJ, Horner WR. Selective nonoperative management of blunt splenic trauma in adults. *Arch Surg* 1989; 124:581-586.
- 12) Clark DE, *Zeiger MA*, Wallace KL, Packard AB, Nowicki ER. Blunt aortic trauma: Signs of high risk. *J Trauma* 1990; 30:701-705.
- 13) *Federico JA*, Horner WR, Clark DE, Isler RJ. Blunt hepatic trauma: Nonoperative management in adults. *Arch Surg* 1990; 125:905-909.
- 14) *Zeiger MA*, Clark DE, Morton JR. Reappraisal of surgical treatment of traumatic transection of the thoracic aorta. *J Cardiovasc Surg* 1990; 31:607-610.
- 15) *Martin RF*, Eldrup-Jorgensen J, Clark DE, Bredenberg CE. Blunt trauma to the carotid arteries. *J Vasc Surg* 1991; 14:789-795.
- 16) Clark DE, *Katz MS*, Campbell SM. Decreasing mortality and morbidity rates after the institution of a statewide burn program. *J Burn Care Rehabil* 1992; 13:261-270.
- 17) *Sampson LN*, *Britton JC*, Eldrup-Jorgensen J, Clark DE, Rosenberg JM, Bredenberg CE. The neurovascular outcome of scapulothoracic dissociation. *J Vasc Surg* 1993; 17:1083-1089.
- 18) Herlihy KA, Molin M, Clark D. Multi-system organ failure: New developments in trauma care. *J Amer Acad Phys Asst* 1993; 6:561-566.
- 19) Clark DE. Development of a statewide trauma registry using multiple linked sources of data. *Proc Annu Symp Computer Applic Med Care* 1993; 17:654-658.
- 20) *Kohn JS*, Clark DE, Isler RJ, Pope CF. Is CT grading of splenic injury useful in the nonoperative management of blunt trauma? *J Trauma* 1994; 36:385-389.
- 21) *Camp PC*, Rogers FB, Shackford SR, Leavitt BJ, Cobean RA, Clark DE. Blunt traumatic thoracic aortic lacerations in the elderly: An analysis of outcome. *J Trauma* 1994; 37:418-425.
- 22) Clark DE, Hahn DR, Hall RW, Quaker RE. Optimal location for a helicopter in a rural trauma system: Prediction using discrete-event computer simulation. *Proc Annu Symp Computer Applic Med Care* 1994; 18:888-892.
- 23) Clark DE, Cobean RA, Radke FR, Abourjaily GS, Curci MR. Management of major hepatic trauma involving interhospital transfer. *Amer Surg* 1994; 60:881-885.
- 24) Clark DE, Hahn DR. Comparison of probabilistic and deterministic record linkage in the development of a statewide trauma registry. *Proc Annu Symp Computer Applic Med Care* 1995; 19:397-401.
- 25) *Farrell TM*, Sutton JE, Clark DE, Horner WR, Morris KI, Finison KS, Menchen GE, Cohn KH. Moose - Motor Vehicle Collisions: An increasing hazard in northern New England. *Arch Surg* 1996; 131:377-381.
- 26) Clark DE. Computational methods for probabilistic decision trees. *Computers Biomed Research* 1997; 30:19-33.
- 27) Clark DE, Ryan LM. Modeling injury outcomes using time-to-event methods. *J Trauma* 1997; 42:1129-1134.
- 28) Cushing BM, Clark DE, Cobean R, *Schenarts PJ*, *Rutstein LA*. Blunt and penetrating trauma -- Has anything changed? *Surg Clin North Amer* 1997; 77:1321-1332.

- 29) Shackford SR, Bourguignon PR, Wald SL, Rogers FB, Osler TM, Clark DE. Hypertonic saline resuscitation of patients with head injury: A prospective, randomized clinical trial. *J Trauma* 1998; 44:50-58.
- 30) Clark DE, Cushing BM, Bredenberg CE. Monitoring hospital trauma mortality using statistical process control methods. *J Amer Coll Surg* 1998; 186:630-635.
- 31) Clark DE, El-Taha M. Generation of correlated logistic-normal random variates for medical decision trees. *Meth Inform Med* 1998; 37:235-238.
- 32) Clark DE, Cushing BM. Predicting regional variations in mortality from motor vehicle crashes. *Acad Emerg Med* 1999; 6: 125-130.
- 33) Wildner M, Clark DE, Casper W, Bergmann KE. An indirect method for the estimation of osteoporotic fractures from injury and fracture profiles. *Sozial- und Präventivmed* 1999; 44:78-84.
- 34) Clark DE, Hahn DR. Hospital trauma registries linked with population-based data. *J Trauma* 1999; 47: 448-454.
- 35) Clark DE. Comparing institutional trauma survival to a standard: Current limitations and suggested alternatives. *J Trauma* 1999; 47: S92-S98.
- 36) Rogers FB, Rozycki GS, Osler TM, Shackford SR, Jalbert J, Kirton O, Scalea T, Morris J, Ross S, Cipolle M, Fildes J, Cogbill T, Bergstein J, Clark D, et al. A multi-institutional study of factors associated with fetal death in injured pregnant patients. *Arch Surg* 1999; 134:1274-1277.
- 37) Clark DE, Wildner M. Violence and fear of violence in East and West Germany. *Soc Sci Med* 2000; 51:373-379.
- 38) Clark DE, Wildner M, Bergmann KE. Injury mortality in East Germany. *Amer J Pub Health* 2000; 90:1761-1764.
- 39) Clark DE, Dainiak CN, Reeder S. Decreasing incidence of burn injury in a rural state. *Inj Prev* 2000; 6:259-262.
- 40) Wildner M, Clark DE. Hip fracture incidence in East and West Germany: Reassessment ten years after unification. *Osteoporosis International* 2001; 12:136-139.
- 41) Clark DE. Motor vehicle crash fatalities in the elderly: Rural versus urban. *J Trauma* 2001; 51:896-900.
- 42) Clark DE, Chu MK. Increasing importance of the elderly in a trauma system. *Amer J Emerg Med* 2002; 20:108-111.
- 43) Hochheiser GM, Clark DE, Morton JR. Operative technique, paraplegia, and mortality after blunt traumatic aortic injury. *Arch Surg* 2002; 137:434-438.
- 44) Clark DE, Cushing BM. Predicted effect of automatic crash notification on traffic mortality. *Accid Anal Prev* 2002; 34:103-109.
- 45) Clark DE, Ryan LM. Concurrent prediction of hospital mortality and length of stay from risk factors on admission. *Health Services Research* 2002; 37:631-645.
- 46) Wildner M, Sangha O, Clark DE, Döring A, Manstetten A. Independent living after fractures in the elderly. *Osteoporosis International* 2002; 13:579-585.
- 47) Clark DE. Trauma system evaluation using the Fatality Analysis Reporting System. *J Trauma* 2003; 54:1199-1204.
- 48) Dunham CM, Barraco RD, Clark DE, et al. Guidelines for emergency tracheal intubation immediately after traumatic injury. *J Trauma* 2003; 55:162-179.
- 49) Hartnett KL, Winchell RJ, Clark DE. Management of adult splenic injury: A 20-year perspective. *Amer Surg* 2003; 69:608-611.
- 50) Clark DE. Effect of population density on mortality after motor vehicle collisions. *Accid Anal Prev* 2003; 35:965-971.
- 51) Shinoda-Tagawa T, Clark DE. Trends in hospitalization after injury: Older women are displacing young men. *Inj Prev* 2003; 9:214-219.
- 52) Clark DE, Winchell RJ. Risk adjustment for injured patients using administrative data. *J Trauma* 2004; 57:130-140.
- 53) Clark DE. Practical introduction to record linkage for injury research. *Inj Prev* 2004; 10:186-191.
- 54) Clark DE, Cushing BM. Rural and urban traffic fatalities, vehicle miles, and population density. *Accid Anal Prev* 2004; 36:967-972.
- 55) Clark DE, Anderson KA, Hahn DR. Evaluation of an inclusive trauma system using linked population-based data. *J Trauma* 2004; 57:501-509.
- 56) Clark DE, DeLorenzo MA, Lucas FL, Wennberg DE. Epidemiology and short-term outcomes of injured Medicare patients. *J Amer Geriatric Soc* 2004; 52:2023-2030.
- 57) Clark DE, DeLorenzo MA, Lucas FL, Wennberg DE. Injuries in older Americans with and without Medicare. *Amer J Pub Health* 2005; 95:273-278.

- 58) Clark DE, Ahmad S. Is the number of traffic fatalities in American hospitals decreasing? *Accid Anal Prev* 2005; 37:755-760.
- 59) Wildner M, Döring A, Meisinger C, Clark DE. Frakturen im höheren Lebensalter - Eine Herausforderung für Prävention und Gesundheitsförderung. *Gesundheitswesen* 2005; 67:S180-S186.
- 60) Clark DE, Ahmad S. Estimating injury severity using the Barell matrix. *Inj Prev* 2006; 12:111-116.
- 61) Donohue JT, Clark DE, DeLorenzo MA. Long-term survival of Medicare patients with head injury. *J Trauma* 2007; 62:419-423.
- 62) Clark DE, Lucas FL, Ryan LM. Predicting hospital mortality, length of stay, and transfer to long-term care for injured patients. *J Trauma* 2007; 62:592-600.
- 63) Clark DE, DeLorenzo MA, Lucas FL, Cushing BM. Initial presentation of older injured patients to high-volume hospitals is not associated with lower 30-day mortality in Medicare data. *Crit Care Med* 2007; 35:1829-1836.
- 64) Clark DE, Ryan LM, Lucas FL. A multi-state piecewise exponential model of hospital outcomes after injury. *J Appl Stat* 2007; 34:1225-1239.
- 65) Phillips B, Clark DE, Nathens AB, Shiloach M, Freel AC. Comparison of injury patient information from hospitals with records in both the National Trauma Data Bank and the Nationwide Inpatient Sample. *J Trauma* 2008; 64:768-780.
- 66) Gorra AS, Clark DE, Mullins RJ, DeLorenzo MA. Regional variation in hospital mortality and 30-day mortality for injured Medicare patients. *World J Surg* 2008; 32:954-959.
- 67) Moore L, Clark DE. The value of trauma registries. *Injury* 2008; 39:686-695.

## OTHER PUBLICATIONS

(Excluding abstracts later published as full-length articles)

- 1) Clark DE, McCarthy E, Robinson E. Trauma as a symptom of alcoholism. *Ann Emerg Med* 1985; 14:274 (editorial).
- 2) Ray FS, Clark DE. Renal arterial injury secondary to blunt trauma. In Stipa S, Vollmar JF, Cavallaro A, editors: *Arterial Trauma*. Rome, Ares-Serono Symposia, 1986, pp 85-90 (abstract).
- 3) *Garde JR*, Clark DE. Percutaneous endoscopic jejunal tube placement for nutrition after acute trauma. *J Trauma* 1991; 31:1716 (abstract).
- 4) Clark DE. Discussion of "The epidemiology of traumatic death", by Shackford SR, et al. *Arch Surg* 1993; 128:575 (invited discussion).
- 5) *Kershman L*, Adams C, Reeder S, Clark D. Complete analgesia with burn debridements and dressing changes using alfentanil hydrochloride and propofol. *Proceedings of the American Burn Association* 1993; 25:139 (abstract).
- 6) Clark DE. Status of trauma registry development in Maine. *J Maine Emerg Med Services* 1993; 4:28-29 (review).
- 7) Clark DE. *Probabilistic Analysis of Medical Decision Trees*. University of Southern Maine 1995 (thesis).
- 8) *Harmatz AS*, Reeder S, Clark DE. Herpes simplex virus burn wound infection. Program for the Annual Meeting of the New England Surgical Society 1995; 76:76 (abstract).
- 9) Clark DE. Discussion of "Selective nonoperative management of liver and spleen injuries in neurologically impaired adult patients", by Archer LP, et al. *Arch Surg* 1996; 131:314-315 (invited discussion).
- 10) Siebert U, Peeters J, Clark D, Wildner M. The prevalence of back pain among employed and unemployed persons and its effect upon dissatisfaction with health status, drug utilization, and need for ambulatory health care: An analysis of the German Health Surveys 1987-89 and 1990-91. In Victor N (Editor), *Medical Informatics, Biostatistics and Epidemiology for Efficient Health Care and Medical Research*. Heidelberg: Urban und Vogel, 1999 (abstract).
- 11) *Rothstein DH*, Clark DE. Should doctors police patients for driving defects? Portland (ME) *Maine Sunday Telegram*. 26 December 1999 (letter to editor).
- 12) Clark DE, Cushing BM. Reduced hospital length of stay after head injury. *Shock* 2000; 13:135 (abstract).
- 13) Clark DE, Anderson K. MMC gathers facts on gunshot deaths. Portland (ME) *Maine Sunday Telegram*. 7 May 2000 (letter to editor).
- 14) Reeder S, Clark DE. Decreasing burn mortality and morbidity in the elderly. *J Burn Care Rehabil* 2000; 22:S169 (abstract).
- 15) Clark DE. Skiing and Snowboarding Injury. ACS Committee on Trauma Quarterly Injury Prevention Summary, Winter 2002. Accessible at [www.facs.org/dept/trauma/skiing.html](http://www.facs.org/dept/trauma/skiing.html) (review for ACS website).
- 16) Clark DE, *Shinoda-Tagawa T*. Avoidable mortality. *Amer J Public Health*, 2003; 93:186 (letter to editor).
- 17) Anderson K, Clark D. Violent Death in Maine, 2000-2002. November 2003 (report of National Violent Injury Statistics System findings for Maine, updated November 2005).
- 18) Ad hoc Subcommittee on the NTDB, ACS Committee on Trauma. National Trauma Data Bank Reference Manual: Background, caveats, and resources. December 2003. Accessible at [www.facs.org/trauma/ntdb.html](http://www.facs.org/trauma/ntdb.html) (principal author of document for NTDB users, updated annually 2004-2007).
- 19) *Donaldson JH*, Clark DE, Attwood JA. Decreasing incidence of facial fractures treated in US hospitals. Program for the Annual Meeting of the Northeastern Society of Plastic Surgeons 2006; 18:72-73 (abstract).
- 20) Expert Group on Injury Severity Measurement, National Center for Health Statistics. Discussion document on injury severity measurement in administrative datasets. May 2005. Accessible at [www.cdc.gov/nchs/injury.htm](http://www.cdc.gov/nchs/injury.htm) (contributor to working document).
- 21) Anderson KL, Clark DE. Enhanced NVISS/NVDRS reporting using additional data and graphs. Program for the Annual Meeting of the American Public Health Association 2006 (abstract).
- 22) Fantus RJ, Clark DE. NTDB data points - Annual Report 2006: New cover, new report. *Bull Amer Coll Surg* 2007; 92:72 (announcement of new NTDB report).
- 23) Clark DE. Discussion of "The National Study on Costs and Outcomes of Trauma", by MacKenzie EJ et al. *J Trauma* 2007; 63:S81-S82 (invited discussion).
- 24) Fantus RJ, Clark DE. NTDB data points - Annual Report 2007: More than 2.7 in 2007. *Bull Amer Coll Surg* 2008; 93:62-63 (announcement of new NTDB report).

## INVITED LECTURES AND CONFERENCES

- 1) Priorities in trauma. Maine Medical Association, Annual Meeting. Dixville Notch, New Hampshire, June 1982.
- 2) Trauma topics. Eastern Maine Medical Center. Bangor, Maine. January 1983.
- 3) Thoracotomy in resuscitation. Maine Chapter, American College of Emergency Physicians, Winter Symposium. Carrabassett, Maine. March 1983.
- 4) Trauma Clinical-Pathologic Conference. Mid-Maine Medical Center. Waterville, Maine. April 1983.
- 5) Management of pelvic fractures. Webber Hospital. Biddeford, Maine. May 1983.
- 6) Cricothyrotomy and cricothyrostomy. Annual Surgical Symposium. Maine Medical Center. Portland, Maine. June 1983.
- 7) Playing the odds in trauma. Waldo County Hospital. Belfast, Maine. September 1983.
- 8) Saving patients and saving spleens. Annual Surgical Symposium. Maine Medical Center. Portland, Maine. April 1984.
- 9) Emergency thoracotomy in trauma. Colby College Emergency Medicine Update. Waterville, Maine. August 1984.
- 10) Shock. Multiple Trauma Nursing Workshop. Waterville, Maine. January 1985.
- 11) Multiple trauma. Aroostook Medical Center. Presque Isle, Maine. March 1985.
- 12) MMC Trauma Service. Maine Academy of Orthopedic Surgeons, Annual Meeting. Portland, Maine. October 1985.
- 13) Massive transfusion. Cary Medical Center. Caribou, Maine. November 1985.
- 14) Pelvic fractures. Kitasato University Hospital. Kanagawa, Japan. February 1986.
- 15) Splenic injury. Kitasato University Hospital. Kanagawa, Japan. February 1986.
- 16) Liver and spleen injuries. Aroostook Medical Center. Presque Isle, Maine. April 1986.
- 17) Thoracic trauma. Colby College Emergency Medicine Update. Waterville, Maine. July 1986.
- 18) Trauma transfers. Franklin Memorial Hospital. Farmington, Maine. December 1986.
- 19) Measuring trauma mortality. American College of Surgeons Tri-State Meeting. Carrabassett, Maine. February 1987.
- 20) Changing patterns of trauma mortality. New England Surgical Society. Portland, Maine. March 1987.
- 21) Complications of trauma. Blue Hill Hospital. Blue Hill, Maine. May 1987.
- 22) Early gastric cancer: An oriental orientation; an occidental accident. Annual Surgical Symposium, Maine Medical Center. Portland, Maine. May 1987.
- 23) Trauma and surgery in the elderly. Colby College Emergency Medicine Update. Waterville, Maine. June 1987.
- 24) Frostbite. Annual Burn Symposium. Worcester City Hospital. Worcester, Massachusetts. May 1988.
- 25) Multiple trauma. Maine Chapter, National Association of Orthopedic Nurses. Portland, Maine. June 1988.
- 26) Traumatic rupture of the thoracic aorta. Central Maine Medical Center. Lewiston, Maine. October 1988.
- 27) Trauma in Maine: The big picture. Outreach Education Council. Portland, Maine. January 1989.
- 28) Thoracic trauma. Emergency Medicine Winter Symposium. Carrabassett, Maine. March 1989.
- 29) Reducing mortality from traumatic rupture of the thoracic aorta. American College of Surgeons Tri-State Meeting. Portsmouth, New Hampshire. May 1989.
- 30) Annual trauma audit, discussant. Mid-Maine Medical Center. Waterville, Maine. May 1989.
- 31) Trauma in Maine. Annual Meeting, Maine Society of Radiologic Technologists. Sebasco, Maine. June 1989.
- 32) Blunt aortic trauma: Signs of high risk. Eastern Association for the Surgery of Trauma. Naples, Florida. January 1990.
- 33) Massive hemorrhage and transfusion. University of North Carolina Hospitals. Chapel Hill and Raleigh, North Carolina. April 1990.
- 34) Trauma care in the rural setting. Haywood County Hospital. Waynesville, North Carolina. April 1990.
- 35) Multidisciplinary management of the burn patient. Aroostook Medical Center. Presque Isle, Maine. November 1990.
- 36) Aortic injuries. Outreach Education Council. Portland, Maine. January 1991.
- 37) Decreasing morbidity and mortality following the institution of a statewide burn program. American Burn Association. Baltimore, Maryland. April 1991.

- 38) Decreasing morbidity and mortality following the institution of a statewide burn program. American College of Surgeons Tri-State Meeting. Vergennes, Vermont. June 1991.
- 39) Nonoperative management of blunt splenic trauma in adults. International Surgical Society. Stockholm, Sweden. August 1991.
- 40) Trauma transfers. Stephens Memorial Hospital. Norway, Maine. January 1992.
- 41) Burn prevention in Maine. Burn Survivors Sunday. Portland, Maine. February 1992.
- 42) Trauma in rural Maine. Cary Medical Center. Caribou, Maine. April 1992.
- 43) MAST trousers - Inflated claims? Maryland Institute for Emergency Medical Services Systems. Baltimore, Maryland. May 1992.
- 44) Trauma transfers. Parkview Memorial Hospital. Brunswick, Maine. May 1992.
- 45) Invited discussant for "A population-based study of trauma mortality in a trauma system" by Shackford SR et al. New England Surgical Society. Dixville Notch, New Hampshire. September 1992.
- 46) Shock: A case of poor perfusion. Illinois Valley EMS Conference. Streator, Illinois. May 1993.
- 47) The MAST suit -- A device for the museum of medical history? Topics in Emergency Medicine, Dartmouth-Hitchcock Medical Center. Hanover, New Hampshire. June 1993.
- 48) A conservative approach to major hepatic trauma after interhospital transfer. New England Surgical Society. Cambridge, Massachusetts. October 1993.
- 49) Development of a statewide trauma registry using multiple linked sources of data. Annual Symposium on Computer Applications in Medical Care. Washington, D.C. November 1993.
- 50) Challenging trauma cases. Colby College Emergency Medicine Update. Waterville, Maine. August 1994.
- 51) Use of multiple linked data sources for a statewide trauma registry. Harvard School of Public Health. Boston, Massachusetts. October 1994.
- 52) Optimal location for a helicopter in a rural trauma system: Prediction using discrete-event computer simulation. Annual Symposium on Computer Applications in Medical Care. (Semifinalist for Mayden Award.) Washington, D.C. November 1994.
- 53) Nonoperative management of blunt abdominal trauma. Maine Committee on Trauma. Lewiston, Maine. May 1995.
- 54) Invited discussant for "Selective non-operative management of liver and spleen injuries in adult patients with neurological impairment", by Archer L et al. New England Surgical Society. Montreal, Canada. September 1995.
- 55) Pitfalls in nonoperative management of blunt abdominal trauma. University of Vermont. Burlington, Vermont. October 1995.
- 56) Comparison of probabilistic and deterministic record linkage in the development of a statewide trauma registry. Annual Symposium on Computer Applications in Medical Care. New Orleans, Louisiana. October 1995.
- 57) Trauma system development in Maine. New England Regional Trauma Conference. Burlington, Massachusetts. November 1996.
- 58) New approaches to head injury. Fall Surgical Symposium, Maine Medical Center. Portland, Maine. November 1996.
- 59) Massive hemorrhage and massive transfusion. Red Cross Donor Recruitment Workshop. Portland, Maine. April 1997.
- 60) Monitoring trauma mortality using statistical process control methods. Spring Meeting, New England Surgical Society. Portland, Maine. April 1997.
- 61) Invited discussant for "Financial aspects of providing trauma care at the extremes of life", by Rogers FB et al. New England Surgical Society. Bolton Harbor, New York. September 1997.
- 62) MAST trousers -- A device for the museum of surgical history? Fall Meeting, ACS Maine Committee on Trauma. Brewer, Maine. November 1997.
- 63) Computational methods for probabilistic decision trees. Eastern Association for the Surgery of Trauma, Technology Fair. Sanibel, Florida. January 1998.
- 64) Traumatic rupture of the thoracic aorta. Outreach Education Council, Maine Medical Center. Portland, Maine. January 1998.
- 65) Generation of correlated logistic-normal random variates for medical decision trees. Mathematics Department Conference, University of Southern Maine. Portland, Maine. April 1998.
- 66) Use of trauma registry data for injury control. Maine Childhood Injury Prevention and Control Program, Bureau of Health. Portland and Bangor, Maine. April and May 1998.

- 67) History of surgery at Maine Medical Center. Annual Spring Surgical Symposium, Maine Medical Center. Portland, Maine. May 1998.
- 68) The past, the present, the future. Annual Conference, Pine Tree Burn Foundation. South Portland, Maine. October 1998.
- 69) Record linkage in epidemiology. Graduate Program in Public Health, Ludwig-Maximilians Universität. Munich, Germany. December 1998.
- 70) Injury surveillance using multiple linked data sources. Seminar, Harvard Injury Control Research Center. Boston, Massachusetts. February 1999.
- 71) Invited discussant for "Is hospital admission for pediatric trauma patients with isolated head injury and normal head CT scan necessary?" by Benedetto B et al. New England Surgical Society. Newport, Rhode Island. September 1999.
- 72) Graphical population-based analysis of a regional trauma system. Poster presentation, American Public Health Association. Chicago, Illinois. November 1999.
- 73) Methods and applications of dataset linkage for injury research. Johns Hopkins School of Public Health. Baltimore, Maryland. February 2000.
- 74) Reduced hospital length of stay after head injury. Poster presentation, World Conference on Trauma, Shock, Inflammation, and Sepsis. Munich, Germany. March 2000.
- 75) Predicting hospital outcomes after severe injuries using a piecewise exponential model. Poster presentation, World Conference on Trauma, Shock, Inflammation, and Sepsis. Munich, Germany. March 2000.
- 76) Violence and fear of violence in East and West Germany. World Conference on Injury Prevention and Control. New Delhi, India. March 2000.
- 77) Monitoring the trauma system in the new millennium. Maine Committee on Trauma. Portland, Maine. April 2000.
- 78) Firearm fatalities in Maine. Gun violence and suicide prevention conferences. Portland and Augusta, Maine. October 2000.
- 79) Predicted effect of automatic crash notification. American Public Health Association. Boston, Massachusetts. November 2000.
- 80) Motor vehicle crash fatalities in the elderly. Poster presentation, Eastern Association for the Surgery of Trauma. Palm Harbor, Florida. January 2001.
- 81) Decreasing burn mortality and morbidity in the elderly. Poster presentation, American Burn Association. Boston, Massachusetts. April 2001.
- 82) Maine injury studies using hospital discharge data. Maine Health Information Management Association. Waterville, Maine. May 2001.
- 83) Increasing importance of the elderly in a trauma system. Poster presentation, International Surgical Society. Brussels, Belgium. August 2001.
- 84) Comparison of CODES, FARS, and an independently-linked database for injury surveillance. Poster presentation, American Public Health Association. Atlanta, Georgia. October 2001.
- 85) Increasing importance of the elderly in a trauma system. Poster presentation, World Conference on Injury Prevention and Control. Montreal, Canada. May 2002.
- 86) Rural and urban traffic fatalities, vehicle miles, and population density. Poster presentation. American Public Health Association. Philadelphia, Pennsylvania. November 2002.
- 87) The Maine trauma system. EMS Conference. Portland, Maine. November 2002.
- 88) Geriatric surgery and surgical gerontology. Medical Grand Rounds, MMC. Portland, Maine. January 2003.
- 89) Maine trauma system. Maine Society of Orthopedic Surgeons. Dixville Notch, New Hampshire. September 2003.
- 90) Trauma in the elderly population. Nursing Outreach Education Conference. Portland, Maine. December 2003.
- 91) Evaluating an inclusive trauma system using linked population-based data. Poster presentation. Eastern Association for the Surgery of Trauma. Amelia Island, Florida. January 2004.
- 92) Development of a violent injury surveillance system in the USA. World Conference on Injury Control. Vienna, Austria. June 2004.
- 93) Injuries in older Americans with and without Medicare. Poster presentation. World Conference on Injury Control. Vienna, Austria. June 2004.
- 94) Long-term survival after head injury in Medicare patients. Poster presentation. American Public Health Association. Washington, DC. November 2004.

- 95) Injuries in the older population. New England Regional Trauma Conference. Burlington, Massachusetts. November 2004.
- 96) Injuries in the older population. Harvard Injury Control Research Center Seminar. Boston, Massachusetts. January 2005.
- 97) Effect of hospital volume on outcomes of older patients with serious injuries. Poster presentation. National Injury Prevention and Control Conference. Denver, Colorado. May 2005.
- 98) Injuries in the older population. Northeast Injury Prevention Coalition. Newton, Massachusetts. July 2005.
- 99) Predicting hospital mortality, length of stay, and transfer to long-term care for injured patients. Poster presentation. Eastern Association for the Surgery of Trauma. Orlando, Florida. January 2006.
- 100) Geographic variations of injuries in the older population. World Conference on Injury Prevention and Safety Promotion. Durban, South Africa. April 2006.
- 101) Management of the burn wound. Central Maine Medical Center. Lewiston, Maine. December 2006.
- 102) Invited discussant for "The National Study on Costs and Outcomes of Trauma", by MacKenzie EJ, et al. Conference on Pediatric Trauma, Washington, DC. March 2007.
- 103) State trauma registries, the NTDB, and risk adjustment. Massachusetts State Trauma Registry Committee. Framingham, Massachusetts. June 2007.
- 104) Regional variations in hospital mortality and 30-day mortality for older injured patients. International Surgical Society. Montreal, Quebec. August 2007.
- 105) Effect of data management methods on hospital evaluation using a national trauma registry. International Surgical Society. Montreal, Quebec. August 2007.
- 106) Collecting data through the National Trauma Data Bank. American College of Surgeons Clinical Congress. New Orleans, Louisiana. October 2007.
- 107) Geriatric traumatology and surgical gerontology. Surgical Grand Rounds, Oregon Health & Science University. Portland, Oregon. October 2007.
- 108) Geriatric traumatology and surgical gerontology. Medical Staff Symposium, Redington-Fairview Hospital, Skowhegan, Maine. October 2007.
- 109) Multi-state piecewise exponential model of hospital outcomes after injury. American Public Health Association. Washington, DC. November 2007.
- 110) Computer programs for injury categorization and scoring using International Classification of Diseases (ICD) diagnosis codes. World Conference on Injury Prevention and Safety Promotion. Merida, Mexico. March 2008.