

**Biosketch**  
**Nadine Levick MD, MPH, FACEM, FRACG, DABFP**  
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Dr. Nadine Levick, MD MPH, is an Emergency Medicine physician, clinician, academic and researcher. She is acknowledged as a national and international leader in the multidisciplinary field of EMS transport safety. Dr. Levick has held senior Faculty positions in preeminent academic centers in the USA and Australia. These include Assistant Professor at Johns Hopkins University in Baltimore, Assistant Professor at Columbia University and Director of Pediatric Emergency Services at Harlem Hospital in New York, Director of Emergency Medicine Research at Maimonides Medical Center, and Faculty at the Royal Melbourne Hospital Emergency Department, as well as a physician with the Royal Australian Flying Doctor Service in Australia. She is an Australian trained board certified Emergency Medicine physician, and board certified Family Practice physician with a Masters of Public Health in Health Policy and Management focused on Injury Prevention and Control, from Johns Hopkins University. She was also Adjunct Faculty in the Johns Hopkins School of Public Health and established a credit course at the Johns Hopkins Whiting School of Engineering.

Dr. Levick has been awarded in excess of \$2 million in USA Federal grants and also industry grants for her cross disciplinary and knowledge transfer research in Emergency Medical Services. She established PEDNET, the first major regional pediatric emergency care research network globally, as part of the Federal PECARN demonstration project, and she was the first to receive federal funds for EMS transport safety research. Dr. Levick is the inaugural Chair of the new National Academies Transportation Research Board (TRB) EMS Transport Safety Subcommittee and coordinated the inaugural TRB Ambulance Transport Safety Summit in November 2008. She also chairs the American Public Health Association (APHA) Injury Control and Emergency Services Section's subcommittee on Disaster and Emergency Health Services and is the current Editor of Transactions, the American Society of Safety Engineers (ASSE) Transport Practice Specialty newsletter. Dr. Levick is also appointed as a member of the Safety Committee of the federally convened National EMS Advisory Council (NEMSAC).

Dr. Levick has been awarded a number of prestigious national and international research and leadership awards for her EMS and transport research, the 2009 EMS Physician of Excellence for New York City, 2006 AMBEX research Award in the UK for ambulance transport research most likely to change practice, the 2005 Society of Academic Emergency Medicine regional research award, the 2004 American Medical Response Research Award, the prestigious International Society of Automotive Engineers 2003 Women's Leadership Award, and the 2002 Center for Creative Leadership's Public Health and Emergency Services National Award, amongst others. Dr. Levick is also a review panel member for federally funded research and an advisor to the Occupational Safety and Health Administration (OSHA) and the National Institute of Occupational Safety and Health (NIOSH) on EMS Best Practices in the USA, and a reviewer for Canada's Networks of Centres of Excellence in Transportation research. Dr. Levick is an active member of the Regional Emergency Medical Services Council (REMSCO) of New York and has established research collaborations with key EMS industry leaders nationally and internationally. She is a founding member of the cross disciplinary national Mobile Medical Transportation Safety (MMTS) task force, since January 2003. She has been keynote speaker at numerous national and international conferences, including the United Kingdom Pediatric Critical Care Symposium in November 2006 and also at the Annual Scandinavian EMS Congress in

October 2006 and the January 2006 National Association of EMS Physicians (NAEMSP) Congress, as well as at the 2005 - 2008 Ambulance Association of America (AAA) Congress and Professional Standards meeting. She also presented at the ASSE PDC in 2006-2008 and at the inaugural ASSE Fleet Safety Symposium in 2007. She has represented EMS transport safety in Europe at the World Health Organization (WHO) in 2004 in Vienna and the World Organization for Economic Co-operation and Development (OECD) in Paris in 2005. Dr. Levick conducted the first vehicle to vehicle ambulance crash tests and also established and coordinated the first international SAE TOPTEC symposium on Emergency Vehicle Safety in 2001, and has been responsible for major enhancements in emergency vehicle transport safety and the implementation of federal safety initiatives in the USA and Australia.

Dr. Levick is a member of a number of professional societies within the realms of Emergency Medicine, EMS, automotive engineering and safety engineering. Dr. Levick has published the lead scientific papers globally on EMS vehicle safety and numerous other publications on EMS systems safety. She has been a contributor to the development of ambulance vehicle and fleet standards and guidelines across the USA, Australia and Europe. She has also presented many dozens of peer reviewed papers at scientific meetings around the world, in addition to keynote addresses and grand rounds, at Critical Care, Public Health, Automotive, EMS and Federal meetings. She established the [www.objectivesafety.net](http://www.objectivesafety.net) EMS Safety information web portal, and is also the founder of the not-for-profit non-government organization, the Emergency Medical Services Safety Foundation [www.EMSSafetyFoundation.org](http://www.EMSSafetyFoundation.org), an EMS safety innovation and knowledge transfer consortium launched in 2008.

Dr. Levick is also a sought after trainer and public speaker in the field of Emergency Medical Services safety. She has an active role regionally, federally and internationally in the field of EMS safety research and policy. Dr. Levick's work highlights the triad of clinical care, teaching and research. Her research is characterized by interdisciplinary knowledge transfer, and the interface of scientific data with safety guideline and policy development.

Some selected papers of interest:

- Levick NR, Swanson J, An Optimal Solution for Enhancing Ambulance Safety: Implementing a Driver Performance Feedback and Monitoring Device in Ground Ambulances. Proceedings - 49th Annual Conference of the Association for the Advancement of Automotive Medicine, September 2005, <http://www.objectivesafety.net/LevickAAAM2005.pdf>
- Levick NR, MD MPH, Wiersch L, , Nagel ME, Real World Application Of An Aftermarket Driver Human Factors Real Time Auditory Monitoring And Feedback Device: An Emergency Service Perspective Vehicles, International Enhanced Safety of Vehicles Technical Paper 07-0254, Lyon, France June 2007 <http://www.objectivesafety.net/LevickESVDriverFeedbackpaper07-0254-O.pdf>
- Levick NR, Emergency Medical Services: Unique Transportation Safety Challenge, Report No. 08-3010, Transportation Research Board, January 2008, [www.trb.org](http://www.trb.org) or <http://www.objectivesafety.net/LevickTRB08-3010CD.pdf>
- Levick NR, MD MPH, Grzebieta R, BE MEngSci PhD, Ambulance vehicle crashworthiness and passive safety design: A comparative vehicle evaluation, Society of Automotive Engineering, ComVec Technical paper, October, 2008-01-2695, [www.sae.org](http://www.sae.org)
- Levick NR, MD MPH, Grzebieta R, BE MEngSci PhD, USA Ambulance Crashworthiness Frontal Impact Testing, International Enhanced Safety of Vehicles Technical Paper, 09-0471, Stuttgart, Germany June 2009, <http://www-nrd.nhtsa.dot.gov/pdf/esv/esv21/09-0471.pdf>