Ongoing Projects from the NHTSA Office of Emergency Medical Services

August 29, 2012
Promoting Comprehensive, Evidence-based EMS and 9-1-1 Systems

- National EMS Data Standardization and Research
- Promoting Safety and a Prepared Workforce
- Promoting a Systems Approach to EMS Education
- Supporting the Federal Role in EMS Disaster Preparedness
- Housing the National 9-1-1 Program
- Coordination with our Federal EMS and 9-1-1 Partners
National EMS Information System

- A national effort to standardize the data collected by EMS agencies
  - 35 States reporting to the National EMS Database
  - 26 million patient care records for research
- Progressing on HL7 certification to integrate the EMS record with the hospital record
State EMS System Assessment Program

- At the request and expense of the State EMS Program and/or State Highway Safety Office
- Evaluates the Statewide EMS System against an objective benchmark, using Subject Matter Experts
  - State Assessment Guidelines
- Provides evidence/leverage for States in improving and enhancing their EMS system
- All 50 States Assessed
- 22 States Reassessed
Evidence-based Guideline Development and Implementation

- NHTSA promotes an evidentiary basis for the practice of EMS

- A model evidence-based guideline process was approved by FICEMS and NEMSAC and is available at www.EMS.gov

- NHTSA and EMSC are pilot testing several EBGs and exploring the long-term feasibility of the model

- Evaluation of pilot-tested EBGs focuses on impact of protocols on patient care and training effectiveness
Emerging Issues in EMS and 9-1-1

- Purpose: Produce up to 5 White Papers on emerging issues in EMS & 911
  - Projects to be identified by NHTSA/OEMS & NEMSAC
  - Describe the current state of the science
  - May include stakeholder input

- 2 white papers under way
  - Successful Strategies for Research in Prehospital Care
  - Essential Services, the Public Good & EMS

- Other topics being considered
  - Emerging technologies in EMS & 911
  - Use of lights and sirens
  - …
National EMS Assessment

2011 National EMS Assessment
- First ever **national** assessment of EMS systems
- “Snapshot” using existing and available data
- Gaps identified in EMS data and availability

Development of Ongoing National EMS Assessment Process
- Process must be sustainable
- Focus on most important variables
- Ability to measure trends over time
Promoting Comprehensive, Evidence-based EMS and 9-1-1 Systems

- National EMS Data Standardization and Research

- Promoting Safety and a Prepared Workforce

- Promoting a Systems Approach to EMS Education

- Supporting the Federal Role in EMS Disaster Preparedness

- Housing the National 9-1-1 Program

- Coordination with our Federal EMS and 9-1-1 Partners
Ground Ambulance Safety

- NHTSA Special Crash Investigations (SCI) doing ground ambulance crash investigations
- NHTSA Office of Defects Investigations (ODI) tracking ground ambulance safety issues
- Working collaboratively with NIOSH in a 4-year effort to improve existing standards
- NFPA 1917 - Ambulance Standards Development
  - Non-voting ex-officio committee member
- Safely Transporting Children in Ambulances
EMS Workforce Agenda for the Future

- Workforce Agenda document published in 2011

- DOT collaborating with DoD and VA on civilian EMS opportunities for returning veterans

- National EMS Workforce Assessment
  - Science to guide policy development

- National EMS Workforce Data Definitions (pending)

- Longitudinal EMT Attributes and Demographics Study (LEADS) - Joint NREMT and NHTSA project

- NIOSH-NHTSA Data collection (NEISS project) on EMS worker injuries
Promoting Comprehensive, Evidence-based EMS and 9-1-1 Systems

- National EMS Data Standardization and Research
- Promoting Safety and a Prepared Workforce
- **Promoting a Systems Approach to EMS Education**
- Supporting the Federal Role in EMS Disaster Preparedness
- Housing the National 9-1-1 Program
- Coordination with our Federal EMS and 9-1-1 Partners
EMS Education Agenda for the Future: A Systems Approach

- Sets a vision for national EMS education standards, core content and scopes of practice

- Implementation Strategy
  - National Association of State EMS Officials (NASEMSO) is leading the coordinated effort
  - Implementation toolkit available at www.nasemso.org

- NEMSAC hosted a Roundtable in March 2012 to explore a possible revision of the EMS Education Agenda for the Future
The EMS Education Agenda for the Future: A Systems Approach

The Universe of EMS Knowledge and Skills
Delineation of provider practice levels
Replaces National Standard Curricula

National EMS Core Content
National EMS Scope of Practice Model
National EMS Education Standards

National EMS Certification

National EMS Program Accreditation

A single agency for each function - Standard exam, minimum competence, consumer protection
Promoting Comprehensive, Evidence-based EMS and 9-1-1 Systems

- National EMS Data Standardization and Research
- Promoting Safety and a Prepared Workforce
- Promoting a Systems Approach to EMS Education
- Supporting the Federal Role in EMS Disaster Preparedness
- Housing the National 9-1-1 Program
- Coordination with our Federal EMS and 9-1-1 Partners
IOM Crisis Standards of Care
IOM Crisis Standards of Care

- Full Chapter on Emergency Medical Services

- “Federal disaster preparedness and response grants, contracts, and programs in [HHS], [DHS], [DoD], [DOT], and the [VA] […] should integrate relevant crisis standards of care functions.”
Emergency Preparedness Grant Coordination MOU

ASPR
ASSISTANT SECRETARY FOR PREPAREDNESS AND RESPONSE

NHTSA
www.nhtsa.gov

CDC
CENTERS FOR DISEASE CONTROL AND PREVENTION

HRSA
Health Resources and Services Administration

FEMA
U.S. DEPARTMENT OF HOMELAND SECURITY

NICOLE LURIE

June 28, 2011

Nicole Lurie, MD, MSPH

Date

2. Approved and accepted by the Director, Centers for Disease Control and Prevention, Department of Health and Human Services.

THOMAS FRIEDEN

July 18, 2011

Thomas R. Frieden, MD, MPH

Date

3. Approved and accepted by the Office of the Administrator, Health Resources and Services Administration, Department of Health and Human Services.

MARY WAKEFIELD

July 11, 2011

Mary Wakefield, PhD, RN

Date

4. Approved and accepted by the Administrator, National Highway Traffic Safety Administration, Department of Transportation.

DAVID L. STRICKLAND

July 14, 2011

J.D.

Date


RICHARD SERINO

June 20, 2011

Date
Promoting Comprehensive, Evidence-based EMS and 9-1-1 Systems

- National EMS Data Standardization and Research
- Promoting Safety and a Prepared Workforce
- Promoting a Systems Approach to EMS Education
- Supporting the Federal Role in EMS Disaster Preparedness
- Housing the National 9-1-1 Program
- Coordination with our Federal EMS and 9-1-1 Partners
National 911 Program

- Facilitate coordination among public and private stakeholders at local, State and Federal/national levels

- Serve as an information clearinghouse

- Administer grant program for the benefit of PSAPs
  - $43.5 Million awarded September 2009

- Provide a Federal focus for 9-1-1

- Promote and support 9-1-1 services
Advanced Automatic Crash Notification

- Area of emphasis for NHTSA Administrator David Strickland
  - Potential of data in reducing crash-related fatalities

- Working with CDC to
  - Identify appropriate data elements
  - Identify appropriate technical methods for transmitting data
  - Identify appropriate protocols for incorporating AACN data into current practice