National EMS Advisory Council

NHTSA Update

December 15, 2009

NEMSAC

Appointment

Re-appointment

Who we Are

- Drew Dawson, Director
- Susan McHenry, MS
  - NEMSIS, EMS Research, State Assessments
- David Bryson, EMT-B
  - Education, Ground Ambulance Safety
- Gamunu Wijetunge, NREMT-P, MPM
  - Workforce, Preparedness, Pandemic Flu
- Laurie Flaherty, RN, MS
  - 9-1-1, Technology
- Cathy Gotschall, ScD
  - Evidence-based practice guidelines, AACN
  - National EMS assessment
- Cynthia McNair

EMS
EMERGENCY MEDICAL SERVICES
nhtsa
National Highway Traffic Safety Administration

Who we Are

- Hector Williams
  - 9-1-1
  - Workforce Data
  - AACN
- Vacant
  - NEMSAC
  - FICEMS

Public Health Fellows

- Anthony Oliver, MPH

Student Intern

Overview of Federal Budget Process

Managing the Expectations

Fiscal Year 2010

October 1, 2009 - September 30, 2010

- President's budget request is public information
- Final budget not yet adopted by Congress
  - Amounts in Omnibus Bill known
- Contracts and agreements now under development
  - Many will not be awarded until late in the fiscal year
  - Specifics are not public until awarded

Fiscal Year 2011

October 1, 2010 - September 30, 2011

- Department began budget development
  - Spring and Summer of 2009
  - Final Instructions from OMB in July, 2009
- Department budget to OMB - September 2009
- OMB "passed back" to agency – November, 2009
- President's FY 11 budget to Congress by first Monday in February, 2010
- Congress deliberates budget
  - Sometimes not passed until the Fiscal Year has already started

Fiscal Year 2012

October 1, 2011 - September 30, 2012

- Department begins budget development
  - Spring and Summer of 2010

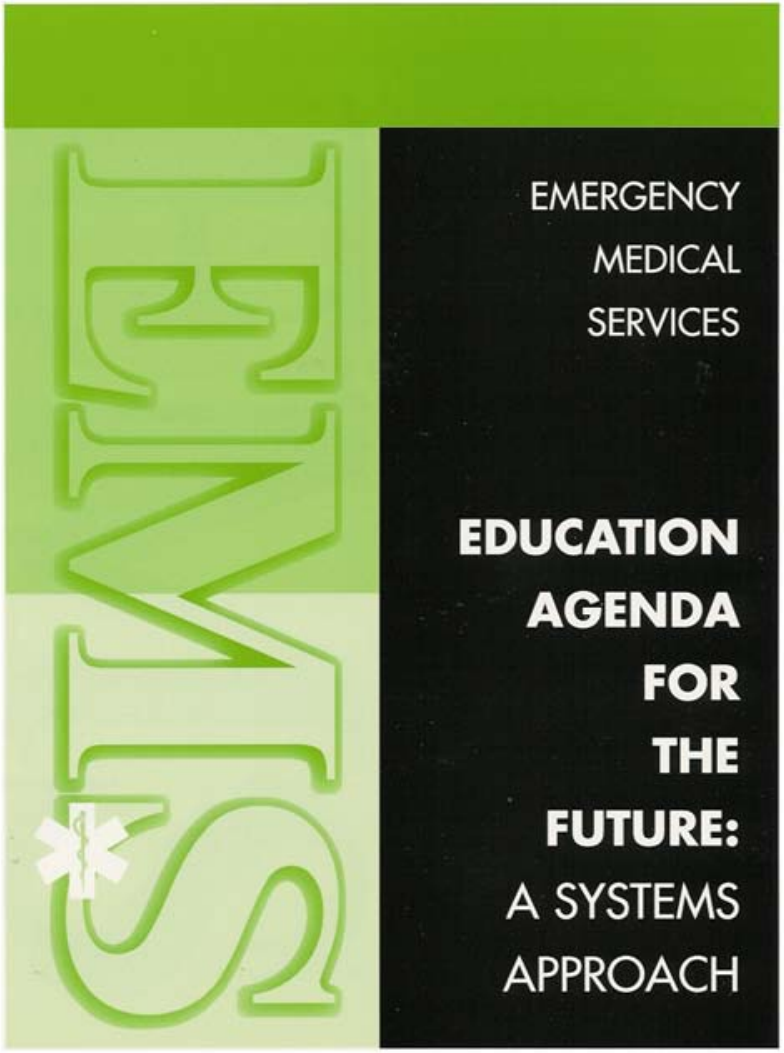
FY 10 Budget

(As of 12/13/09)

	FY 09 Actual	FY 10 Executive Budget	FY 10 Omnibus Bill
OEMS Operational Budget	$2.144M	$2.144M	$2.144M
NEMSIS	$750,000	$750,000	$1,500,000
9-1-1	$1.25M	$1.25M	$1.25M
911 Grant	$43.5M	0	0

Federal Budget Development

It doesn’t turn on a dime!!


EMS
EMERGENCY
MEDICAL
SERVICES
EDUCATION
AGENDA
FOR
THE
FUTURE:
A SYSTEMS
APPROACH

The EMS Education Agenda for the Future: A Systems Approach

The Universe of EMS Knowledge and Skills

National EMS Core Content

Completed

Delineation of provider practice levels

National EMS Scope of Practice Model

Completed

Replaces the current National Standard Curricula

National EMS Education Standards

Completed

National EMS Certification

National EMS Education Program Accreditation

Education Agenda Implementation

- National Association of State EMS Officials (NASEMSO) is leading the coordinated effort
  - Toolkit available at www.nasemso.org
    - Education Gap Analysis Template
    - Frequently Asked Questions
    - Talking points
    - Other information
  - Timetable (draft) available at www.nasemso.org
  - Educator Survey completed

Education Agenda Implementation

- State “Report Cards”
  - NASEMSO will provide dashboards for NEMSAC based on the annual DOTS surveys.
- Publisher Materials
  - Several publishers have done “rollouts” and new texts may be available as early as 2010.
- Overall Implementation Status
  - NASEMSO DOTS survey has been revised and results will be posted for 2009 soon.

Ground Ambulance Safety

- NIOSH 4-year project to improve GSA KKK, AMD and other standards.
  - Crash signature for Type I and III ambulances
  - Minimum strength standard for seating and seat mounts
  - Minimum strength standards for stretcher and mounts
- NFPA Ambulance Standards Development
- Safely Transporting Children in Ambulances project
- NHTSA and NIOSH Ambulance Crash Investigations
- NAEMSP Meeting, January 5-6, 2010

Workforce

- EMS Workforce for the 21st Century
  - www.emsworkforce.com
  - *EMS Workforce for the 21st Century: A National Assessment*, (June 2008)
  - *EMS Workforce Agenda for the Future* (2010)
- *Feasibility for an EMS Workforce Safety and Health Surveillance System*, (June 2007)
- EMS Workforce Data Definitions Project
- EMS Workforce Injury and Illness Surveillance Program (EMS-WIISP)
  - National Electronic Injury Surveillance System (NEISS)
  - NIOSH pilot study
  - Approved by OMB – will begin collected data soon

Preparedness

- Work with DHS
  - NIMS credentialing for EMS
  - Infrastructure Protection
  - Capabilities Assessment
- Work with HHS
  - ESF 8 – coordination and planning
- Participation in DHS/HHS Grants coordination Committee
- National Health Security Strategy

National Association of State EMS Officials

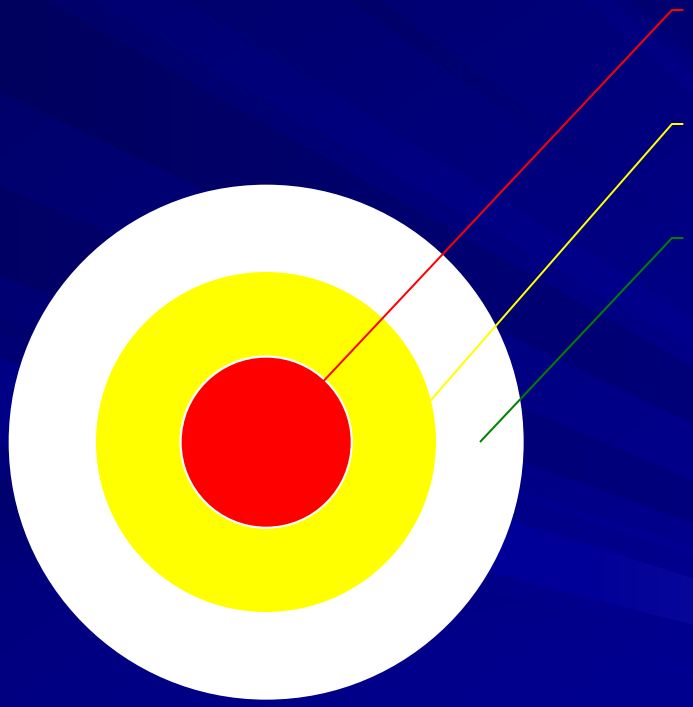
National Association of State EMS Officials

- Leadership Skills Workshop
- Monograph Series
- Communications and Preparedness Technical Assistance
- Model State EMS Plan and Evaluation Document
- Model State EMS Legislation

National EMS Information System

www.nemsis.org

National EMS Information System



National Database to be housed at NCSA

Revision to NHTSA 3.0

- The revision process began Spring 2008
  - Lead by Greg Mears
    - Fix existing errors in the 2.2.1 dataset
    - Consider the additional of modules (e.g., workforce)
    - Facilitate national research (e.g., CDC triage scheme)
  - Process will be more electronic
    - Wiki, teleconferences, involve vendors
  - Product available in 2010

National EMS Information System

- 23 States submitting data to National EMS Database
- 7 million records submitted
- Version 3.0 under development
- Harmonizing with HL7 (Health Level 7) Standard Development Organization
- Collaborating with National Fire Incident Reporting System (NFIRS)

www.nemsis.org

EMS Research

- *Guide for Using the Exception from Informed Consent for Emergency Research*
  - To be published simultaneously in Prehospital Emergency Care and Academic Emergency Medicine
  - FICEMS working on plan to disseminate to hospital Internal Review Boards

EMS Research Agenda

- National EMS Research Agenda -2002
- EMS Research Strategic Plan -2005
- EMS Research Ethics Conference -2007
- EMS Research Guide for IRB's - 2010

- EMS Cost Analysis Project

Cost of EMS

- Developing EMS system cost analysis electronic template for use by local EMS systems
- Piloted template with three communities – Richmond, VA; Osh Cosh, WI; and Livingston County, NY
- Final publication in Annals of Emergency Medicine and final Toolkit available mid-2010

EMS Systems Configuration/Typology

- Johns Hopkins Bloomberg School of Public Health
- Initial Pilot with States in Atlantic EMS Council region
- Now conducting analysis on national basis
- Have administered interviews with all States & received local contact info from ~40 States

Collaboration with CDC

- Pandemic Influenza
- Trauma Field Triage Guidelines
- Automatic Advanced Crash Notification (AACN)

Advanced Automatic Crash Notification

- AACN data can be used to predict injury severity, conveyed to EMS services and trauma centers, and integrated into the field triage process.
- CDC and NHTSA
  - Working together
  - Team to estimate potential lives saved

Advanced Automatic Crash Notification

- Additional information helpful to dispatch, response and triage to final destination
  - Velocity change of vehicle
  - Principle Direction of Force
  - Seat belt usage
  - Crash with multiple impacts
  - Vehicle type
  - Voice (GCS proxy)

AACN

- Shows promise in improving outcomes in severely injured crash patients by:
  - Predicting the likelihood of serious injury
  - Decreasing response time
  - Assisting with field triage decisions
  - Decreasing time to trauma center
  - Decreasing death and disability

RECOMMENDATIONS FROM THE EXPERT PANEL:

ADVANCED AUTOMATIC COLLISION NOTIFICATION AND TRIAGE OF THE INJURED PATIENT

—PREPARED BY THE—
CENTERS FOR DISEASE CONTROL AND PREVENTION,
NATIONAL CENTER FOR INJURY PREVENTION AND CONTROL, DIVISION OF INJURY RESPONSE

—WITH SUPPORT FROM—
ONSTAR, THE GENERAL MOTORS FOUNDATION, AND THE CDC FOUNDATION

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention

Telematics

Combine and integrate directly into the vehicle's electrical architecture
- Cellular technology
- GPS location capability
- Sophisticated voice recognition technology

Call center-based services
- Safety, security and peace of mind
- Routing and point of interest

One button hands-free calling (OnStar)

About 6.5 million subscribers
- Multiple languages
- TTY (OnStar)

Telematics Availability

OnStar – 5.7 million

- General Motors –
  - 50+ models
  - Standard 2008
- Lexus Link

Ford SYNC

- "911 Assist"
- Integrated with personal cell phones
- Not embedded
- No call center
- No data currently

ATX – nearly 1 Million

- BMW (Assist)
- Mercedes (Teleaid)
- Maybach
- Rolls Royce
- Toyota/Lexus (Safety Connect)

National 9-1-1 Program

- 9-1-1 Grants to States/Territories
  - 30 grantees
- National NG9-1-1 Migration Plan: Report to Congress
- 9-1-1 Resource Center
  - Information Clearinghouse
  - Technical Assistance Center
- Model State 9-1-1 Plan
- NTSB Recommendation
- Coming: NG9-1-1 Standards Gap Analysis
- Coming: Model State 9-1-1 Legislation

Next Generation 9-1-1 Initiative

- Architecture to update basic infrastructure within 9-1-1 Public Safety Answering Point
- Proof of Concept demo
- Transition Plan
- Analysis of Cost, Value & Risk
- “What’s Next?” forum

http://www.its.dot.gov/ng911/index.htm

NEMSAC Recommendations

Brief Status Report

www.EMS.gov

EMS
EMERGENCY
MEDICAL
SERVICES
nhtsa
National Highway Traffic
Safety Administration