



Much To Do About the New Educational Standards

Heather Davis, MS, NREMT-P
Paramedic Program Director
UCLA Center for Prehospital Care
hdavis@mednet.ucla.edu

Objectives

- Identify important resource documents guiding the future of EMS education and practice
- Determine how the Educational Standards will impact your program
- Establish a plan to implement necessary changes

Pop Quiz!

1. Approximately how many years ago was the Agenda for the Future published?
2. Which NHTSA document is designed to promote quality and consistency of EMS educational programs?

Pop Quiz!

3. What is the term for the description of what EMS professionals are legally permitted to do?
4. Which is the only allied health profession that does not currently require accreditation of their educational programs?

Pop Quiz!

5. What are the four levels of EMS Providers in the new Education Standards?
6. Which document defines the tasks of EMS based on frequency and criticality?

Pop Quiz!

7. Who publishes the document regarding frequency and criticality?
8. What is the term for how much detail will be taught to students?
9. What is the term for the number of topics in a category that will be taught to students?

Pop Quiz!

10. Suggested number of hours for EMT?
11. Document that does have declarative information for instructors about the new Education Standards?
12. Year in which it is thought that Paramedic programs will have to be accredited?

Pop Quiz!

1. Approximately how many years ago was the Agenda for the Future published?

1996
10-13 YEARS AGO

Pop Quiz!

2. Which NHTSA document is designed to promote quality and consistency of EMS educational programs?

**EMS EDUCATION
AGENDA FOR THE FUTURE**

Pop Quiz!

3. What is the term for the description of what EMS professionals are legally permitted to do?

SCOPE OF PRACTICE

Pop Quiz!

4. Which is the only allied health profession that does not currently require accreditation of their educational programs?

EMS

Pop Quiz!

5. What are the four levels of EMS Providers in the new Education Standards?

EMR EMT

ADVANCED EMT

PARAMEDIC

Pop Quiz!

6. Which document defines the tasks of EMS based on frequency and criticality?

**PRACTICE ANALYSIS
(AKA FUNCTIONAL JOB ANALYSIS)**

Pop Quiz!

7. Who publishes the document regarding frequency and criticality?

NATIONAL REGISTRY

Pop Quiz!

8. What is the term for how much detail will be taught to students?

DEPTH

Pop Quiz!

9. What is the term for the number of topics in a category that will be taught to students?

BREADTH

Pop Quiz!

10. Suggested number of hours for EMT?

150-190

Pop Quiz!

11. Document that does have declarative information for instructors about the new Education Standards?

**INSTRUCTIONAL
GUIDELINES**

Pop Quiz!

12. Year in which it is thought that Paramedic programs will have to be accredited?

2013

How Did You Do?

- 12 Correct
Genius! Bravo! EMS Expert!
- 9+ Correct
Wonderful! You Pass! Go Home!
- 6-8 Correct
Good thing you are here! We'll get you up to speed!
- <5 Correct
Where have you been? Get out from under your rock!

The Plan for EMS

- Agenda for the Future in 1996
- Education Agenda in 2000
 - Core Content in 2005
 - Scope of Practice in 2007
 - Education Standards in 2009
 - Program Accreditation in 2013
 - National Credentialing in ???

The Plan for EMS

- Education Agenda in 2000
 - Promote quality and consistency
 - Common entry-level requirements
 - Framework for national certification
 - Better align with other allied health professions
 - Improve credibility of EMS

The Plan for EMS

- Education Agenda in 2000
 - Core Content in 2005
 - Defines total body of what EMS professionals should **KNOW** at each level

The Plan for EMS

- Education Agenda in 2000
 - Core Content in 2005
 - Scope of Practice in 2007
 - Description of what EMS professionals can legally **DO**
 - Should be based on medical **evidence**

The Plan for EMS

- Education Agenda in 2000
 - Core Content in 2005
 - Scope of Practice in 2007
 - Education Standards in 2009
 - Will allow greater instructor flexibility
 - Greater ability to adapt to local needs
 - Allow for new technology
 - Standardizes provider levels

The Plan for EMS

- Education Agenda in 2000
 - Core Content in 2005
 - Scope of Practice in 2007
 - Education Standards in 2009
 - Program Accreditation in 2013
 - Similar to air and ground credentialing
 - CAAHEP and CoAEMSP
 - EMS is only profession that does not currently require

The Plan for EMS

- Education Agenda in 2000
 - Core Content in 2005
 - Scope of Practice in 2007
 - Education Standards in 2009
 - Program Accreditation in 2013
 - National Credentialing in ???
 - Reciprocity
 - Movement between states
 - Disasters

Who Says?

American Academy of Pediatrics, American College of Cardiology, American College of Emergency Physicians, American College of Osteopathic Emergency Physicians, American College of Surgeons, American Society of Anesthesiologists, National Association of EMS Educators, National Association of EMS Physicians, National Association of EMTs, National Association of State EMS Officials, National Registry of EMTs, International Association of Fire Chiefs, American Ambulance Association.

That's Who!

Scope of Practice

- Why standardize
 - 800,000 providers
 - 20 million patients per year
 - 39 different licensure levels
 - Public confusion
 - Reciprocity challenges
 - Limited professional mobility
 - Duplication of efforts

Scope of Practice

- Legal description of what licensed professionals can do
- Authority vested by states
- Does not define every activity
 - Invasive or significant risk to public
- Does not define what must be done
 - Protocols
 - Standards of care

Four Levels

- EMR
 - Emergency life saving care while awaiting EMS
 - Basic interventions with minimal equipment
- EMT
- Advanced EMT
- Paramedic

Four Levels

- EMR
- EMT
 - Basic care for critical and emergent pts
 - Patient care and transport
 - Part of EMS System with medical oversight
 - Basic equipment found on an ambulance
- Advanced EMT
- Paramedic

Four Levels

- EMR
- EMT
- Advanced EMT
 - For systems who cannot justify paramedics
 - Basic and limited advanced emergency medical care and transportation
 - Basic and advanced equipment found on an ambulance
- Paramedic

Four Levels

- EMR
- EMT
- Advanced EMT
- Paramedic
 - Allied health professional
 - Advanced assessment and field impression
 - Complex medical knowledge and skills
 - Part of a comprehensive EMS system
 - Must come from a nationally accredited EMS training program with certificate or associates degree

EMR

Taught

- OPA/NPA/BVM
- Suctioning
- Oxygen
- Auto injectors
- AED
- Manual stabilization of spine and fractures
- Bleeding control

Tested (Proposed NR)

- Trauma Pt Assess
- Medical Pt Assess
- BVM of Apneic Pt
- O2 by NRB
- Cardiac Arrest
 - CPR, AED

EMT

Taught

- EMR PLUS
 - Demand valve
 - Assist with own meds
 - OTC meds
 - PASG
 - Splinting
 - Spinal immob

Tested

- EMR PLUS
 - Spinal Immob
 - supine
 - Random Basic
 - KED
 - Long bone
 - Joint
 - Assist with med
 - Peds respiratory failure

AEMT

Taught

- EMR, EMT, PLUS
 - Dual lumen
 - Tracheal suction
 - IV, Peds IO, Fluid
 - Nitro
 - IM/SQ Epi
 - Glucagon
 - D50
 - Nebulized meds
 - Narcan
 - Nitrous Oxide

Tested

- EMT PLUS
 - IV
 - IV Bolus
 - Peds IO

Paramedic Taught

- Intubation
- Needle cric
- Needle thoracostomy
- Gastric decompression
- Foley catheter
- Adult IO
- Enteral medications
- Parenteral medications
- PVAD access
- IVPB
- Blood product monitoring
- Cardioversion
- Pacing
- Defibrillation
- Assessment devices

Paramedic Tested

- Accredited Programs Only
 - Portfolio of skill development
 - Prescribed skills and number of attempts
 - Scenario-based practical
 - Four stations
 - Trauma, Peds, Cardiac, Medical

Test Blueprint

- 85% adult, 15% peds in every category
- Effective Fall 2011
- Actual test questions will change when NASEMSO agrees to adoption

Categories and Weight

Airway, Respiration and Vent	17-21%
Cardiology and Resuscitation	16-20%
Trauma	19-23%
Medical and OB/GYN	26-30%
EMS Operations	12-16%

Number of Questions

- EMR 80-110
- EMT 70-120
- AEMT 85-135
- Paramedic 80-150

Depth and Breadth-History

EMR	EMT	AEMT	PM
C/C MOI/NOI Assoc S/S	Questions related to C/C MOI/NOI PMH Assoc S/S Pert. Neg	Same as EMT	Comp Hx Social and family Hx Interview techniques Therapeutic Comm

Depth and Breadth-Neurology

EMR	EMT	AEMT	PM
Anatomy Presentation Mgmt ALOC Seizure Stroke	A&P, Patho, Assess Mgmt ALOC Sz Stroke HA	Same as EMT	A&P, Epidemiology Patho Psychosocila Presentation Prognosis Assess Mgmt Diff types of stroke Sz/status Dementia Neoplasm Demyelinating Parkinsons Cranial nerve Infection Hydrocephalus Encephalopathy