

Chapter 1 – Introduction to EMS Systems

Emergency care: the prehospital assessment & basic care for ill or injured patients

- First ambulances in 1800s, no on scene care
- First on scene care ambulances in Virginia in 1928 by Julian Stanley Wise

14 key attributes for integrated EMS

- Integration of health services
- EMS research → greater emphasis on evidence based practice
- Legislation & regulation
- System finance
- Human resources – career ladder
- Medical direction – physicians must be involved in all aspects of emergency care. This includes medical oversight
- Education systems
- Public education – EMS can educate the community
- Prevention
- Public access – 911 existed since 1968
- Communication systems
- Clinical care
- Information systems – to collect, link, and analyze data
- Evaluation – EMS systems must continue to evaluate themselves

EMR – trained to render first aid care & to assist higher level providers as they arrive

Scope of Practice = Scope of Care = the care that an EMR, EMT, or Paramedic is allowed & supposed to provide according to local, state, or regional regulations or statutes

Protocols – written guidelines that direct the care EMS provides

- Some protocols have standing orders which give EMS permission to administer specific interventions such as O2 & medications = **offline medical direction** or indirect medical direction
- **Online medical direction** or direct medical direction when EMS contacts medical direction by radio or telephone

The Emergency Medical Responder

- Job: Reach patients, find out what is wrong, provide emergency care at the scene
- Not their job to direct traffic

Roles & Responsibilities

- Personal safety
- PPE: Gloves, Barriers, Eye Protection, Face Masks, Gowns, Vaccinations
- The basics are **gloves and eye protection**

Emergency Medical First Responder Chapter 1

Padhraic Smyth



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