Emergency Medical Response System

BLS Project Update

February 6, 2017
Joint Recommendation: The Right Resources at the Right Time

**Partnership**
Collaborative solutions build-out

**Defined Roles**
Denver Health remains ALS services expert & system medical control
Denver Fire becomes full BLS services expert

**Innovation**
Joint Advocacy for Innovative Response Models
Joint Endorsement of the Medical Unit
EMRS BLS Project Plan Update

Focus on Partnership & Defined Roles

- Scope of BLS Services
- Metrics: Baseline, Tier 1 & 2
- Infrastructure: Training, Software
- Quality Assurance
- Phased Rollout
- Communications Plan: Internal & External
Scope of BLS Services Project

**Foundation**
- **Infrastructure & Training Needs**
  - Reporting system and procedure adoption
  - Needs, resources, scheduling

**First Milestone**
- **Medical Director Approval**
  - 30 Basic Life Support skillsets
  - Balance risk of harm vs. potential for good

**Phase 1**
- **Attain Reporting Compliance**
  - Baseline metrics and skills evaluation
  - Leverage QA process and benchmarks

**Phase 2**
- **Phased Rollout of New Skillsets**
  - Leverage learning management systems
  - Prioritized skills rollout

**Phase 3**
- **Sustainability**
  - Evaluate BLS Certifications (IV capabilities)
  - Ongoing QA/QI
Metrics: Baseline, Tier 1 & 2

Priority Metric: EPCR Compliance (Baseline Requirement)
- Current State: 0% (no requirement, no ability to report)
- Goal 1: Establish baseline of current BLS services & patient outcomes
- Goal 2: Compliance rate of 99%

Tier 1 Metrics: Implementation Activities
- Trainer capacity/training completion
- DFD & DH on-scene time
- DFD & DH unit availability

Tier 2 Metrics: Patient Outcomes (Surrogate Markers)
- Vital sign variability
- Aspirin use
- Time to chest compressions
- Medical Documentation

Metric Development in Progress. Examples Include:
# Key Milestones

*Next Update: May 2017*

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QA Example 1: Regional Concerns about Co-Administration of Powerful Painkillers

Co-Administration Occurred Infrequently, but Has Substantial Risk of Harm.
QA Example 2: Airway Management (Tracheal Intubation)

Pre- and Post-Intervention Intubation Success Rate

- **2015 (Pre-Intervention)**
  - Correct Intubations: 80%
  - Incorrect Intubations: 20%

- **2016 (Post-Intervention)**
  - Capnography Compliant: 100%
  - Capnography Non-Compliant: 0%

- **etCO₂: 35-45 mmHg**

CO₂ (mmHg)
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