**Supplemental Materials (available online only).**

Supplemental Table 1.

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|  | Pre-protocol change (n=55) | Post-protocol change (n=21) |
| Admitting Diagnosis | Abscess  Acute hypoxic respiratory failure likely due to cocaine overdose  Acute respiratory failure with hypoxia (2)  Acute respiratory failure with hypoxia; motor vehicle collision; alcohol intoxication without complication  Acute respiratory failure; pneumonia d/t infectious organism, unspecified laterality, unspecified part of lung  Acute substance intoxication, amphetamine and psychostimulant-induced psychosis with delusions  Agitated delirium (6)  Agitation/Respiratory Failure  Agitation, Rhabdomyolysis, AMS  Agitation requiring sedation protocol  Alcohol withdrawal syndrome, with delirium  Altered mental status (6)  Altered mental status, non-traumatic rhabdomyolysis, bizarre behavior  Altered mental status, unspecified altered mental status type; drug ingestion, undetermined intent; pneumonia of left lower lobe d/t infectious organisms  Cardiac arrest  Cocaine Overdose  Drug Overdose (3)  Hyponatremia  Non-traumatic rhabdomyolysis (2)  Pancreatitis, Renal Failure  Poisoning by dextromethorphan, accidental or unintentional  Polysubstance abuse  Polysubstance abuse, delirium  Polysubstance Overdose  Respiratory Failure (2)  Restlessness and agitation  Rhabdomyolysis/Delirium  Seizure (2)  Sternal Fracture  Substance Abuse with Intoxication and Delirium  Sepsis  Sepsis, pneumonia of left lower lobe due to infectious organisms, seizures  Somnolence  Serotonin Syndrome  Stab wound  Stab wound, Acute Respiratory Failure  Stab wound left chest; acute respiratory failure with hypoxia | Acute encephalopathy, delirium  Acute respiratory failure; seizure  Agitation (3)  Alcohol intoxication  Altered mental status (2)  Delirium  Encephalopathy  Encephalopathy, altered mental status  Intoxication by drug, uncomplicated  Mandible fracture  Motor vehicle accident (victim) initial encounter  Overdose (3)  Pneumonia  Rhabdomyolysis  Rhabdomyolysis, acute delirium  Rhabdomyolysis, synthetic cannabinoid abuse, agitation requiring sedation protocol |
|  | Substance intoxication with delirium; non-traumatic rhabdomyolysis  Trauma |  |

Supplemental Table 2.

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|  | Pre-protocol change (n=47) | Post-protocol change (n=17) |
| Adverse Effects | Bradypnea/Apnea (12) | Emergence reaction (5) |
|  | Emergence reaction (12) | Bradypnea/Apnea (less than 10 seconds) (2) |
|  | Hypersalivation (12) | Hypersalivation (6) |
|  | Oxygen desaturation (12) | Oxygen desaturation/hypoxia (2) |
|  | Clonus/hyperreflexia (6) | Clonus/hyperreflexia (2) |
|  | Laryngospasm (2) |  |
|  | Seizure (2) |  |
|  | Bradycardia (1) |  |
|  | Cardiac Arrest (1) |  |
|  | QRS prolongation to 100ms (1) |  |
|  | Trismus (1) |  |

Supplemental Table 3.

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| **Assault Type** | **Pre-protocol** | **Post-protocol** |
| EMS | 20 | 28 |
| Hospital | 4 | 2 |
| EMS & Hospital | 2 | 5 |
| Not documented | 15 | 0 |