Supplemental Table 1. Interventions administered during medical emergency team calls

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| **Drug interventions** | **Major Teaching** | **Minor Teaching** | **Nonteaching** | **p-value** |
|  | **n = 151,400** | **n = 103,027** | **N = 88,303** |  |
| None | 59,773 (39.5%) | 44,471 (43.2) | 35,662 (40.4%) | <0.001 |
| Other(s) | 41,732 (27.8%) | 24,298 (23.6%) | 20,423 (23.1%) | <0.001 |
| Fluid Bolus(IV) | 32,187 (21.3%) | 17,198 (16.7%) | 16,832 (19.1%) | <0.001 |
| Inhaled Bronchodilator | 12,191 (8.1%) | 9,815 (9.5%) | 7,149 (8.1%) | <0.001 |
| Diuretic(IV) | 9,584 (6.3%) | 7,664 (7.4%) | 6,993 (7.9%) | <0.001 |
| Reversal agent | 6,832 (4.5%) | 4,900 (4.8%) | 4,826 (5.5%) | <0.001 |
| Nitroglycerin(SL) | 5,229 (3.5%) | 4,181 (4.1%) | 4,492 (5.1%) | <0.001 |
| Antiarrhythmic Agent | 8,241 (5.4%) | 4,025 (3.9%) | 3,850 (4.4%) | <0.001 |
| Vasoactive Agent Infusion (not bolus) | 3,880 (2.6%) | 2,001 (1.9%) | 2,407 (2.7%) | <0.001 |
| Glucose Bolus | 3,474 (2.3%) | 2,065 (2.0%) | 2,147 (2.4%) | <0.001 |
| Anti-epileptic | 2,074 (1.4%) | 1,136 (1.1%) | 1,153 (1.3%) | <0.001 |
| Aspirin | 2,085 (1.4%) | 1,007 (1.0%) | 1,102 (1.4%) | <0.001 |
| Atropine | 1,206 (0.8%) | 909 (0.9%) | 1,041 (1.2%) | <0.001 |
| Nitroglycerin(IV) | 1,146 (0.8%) | 606 (0.6%) | 528 (0.6%) | <0.001 |
| Insulin/Glucose | 988 (0.7%) | 527 (0.5%) | 548 (0.6%) | <0.001 |
| Antibiotic\* | 327 (1.5%)  | 198 (1.4%) | 76 (0.5%) | <0.001 |
| Antihistamine\* | 163 (0.7%) | 66 (0.5%) | 91 (0.6%) | 0.005 |
| Epinephrine | 213 (0.1%) | 71 (0.1%) | 94 (0.1%) | <0.001 |
| Sedative\* | 730 (3.3%) | 301 (2.1%) | 427 (3.0%) | <0.001 |
| Steroids\* | 322 (1.4%) | 181 (1.2%) | 218 (1.5%) | 0.09 |
| **Non-Drug interventions** |  |  |  |  |
| None | 10,816 (7.1%) | 6,960 (6.8%) | 4,857 (5.5%) | <0.001 |
| Supplemental Oxygen | 89,698 (59.1%) | 65,041 (63.0%) | 58,507 66.1%) | <0.001 |
| Suctioning | 7,260 (4.8%) | 4,126 (4.0%) | 3,636 (4.1%) | <0.001 |
| Non-invasive ventilation | 17,693 (11.7%) | 12,617 (12.2%) | 11,199 (12.7%) | <0.001 |
|  Bag-Valve-Mask | 6,530 (4.3%) | 3,371 (3.3%) | 2,970 (3.4%) | <0.001 |
|  Mask CPAP/BiPAP | 7,235 (4.8%) | 6,076 (5.9%) | 5,722 (6.5%) | <0.001 |
| Endotracheal Tube | 6,971 (4.6%) | 2,726 (2.6%) | 2,474 (2.8%) | <0.001 |
| Monitoring Apnea | 1,395 (0.9%) | 2,562 (2.5%) | 1,734 (2.0%) | <0.001 |
| Monitoring ECG | 78,564 (51.8%) | 58,702 (56.9%) | 48,815 (56.3%) | <0.001 |
| Monitoring Pulse Oximetry | 103,762 (68.4%) | 66,155 (64.1%) | 58,817 (66.5%) | <0.001 |
| Other Continuous Monitoring | 94,794 (62.5%) | 62,299 (60.4%) | 48,005 (54.3%) | <0.001 |
| Access Central Vein | 13,339 (8.8%) | 5,445 (5.3%) | 4,063 (4.6%) | <0.001 |
| Access Peripheral Vein | 58,409 (38.5%) | 42,011 (40.7%) | 35,381 (40.0%) | <0.001 |
| Access Intraosseous | 204 (0.1%) | 49 (0.1%) | 33 (< 0.1%) | <0.001 |
| Consult Critical Care | 34,814 (23.0%) | 7,187 (7.0%) | 4,094 (4.6% | <0.001 |
| Non-critical care consults2 | 18,125 (12.0%) | 14,096 (13.7%) | 10,258 (11.6%) | <0.001 |
| Monitoring 12-lead ECG | 50,602 (33.4%) | 30,110 (29.2%) | 22,391 (25.3%) | <0.001 |
| Cardioversion | 425 (0.3%) | 94 (0.1%) | 102 (0.1%) | <0.001 |
| Electroencephalogram | 292 (0.2%) | 161 (0.2%) | 122 (0.1%) | 0.004 |
| Imaging | 36,940 (24.4%) | 24,779 (24.0%) | 18,725 (21.2%) | <0.001 |
| Bedside Cardiac Ultrasound (Echo) | 446 (0.3%) | 209 (0.2%) | 195 (0.2%) | <0.001 |
| Chest X-ray | 24,885 (16.4%) | 15,996 (15.5%) | 11,813 (13.4%) | <0.001 |
| Head CT(stat) | 7,143 (4.7%) | 5,779 (5.6%) | 4,098 (4.6%) | <0.001 |
| STAT Labs | 13,550 (8.9%) | 7,183 (7.0%) | 4,849 (5.5%) | <0.001 |
| Transfusion3 | 2,939 (1.9%) | 1,691 (1.6%) | 1,399 (1.6%) | <0.001 |
| Other(s) | 52,297 (34.5%) | 28,940 (28.1%) | 25,383 (28.7%) | <0.001 |

All results are shown as n (%). Only index RRT events are included. 1Includes elective intubation, mechanical ventilation, BVM, CPAP/BiPAP, nasal/oral airway, ET, LMA, combitube. 2Includes cardiology, neurology, pulmonary, surgery, and other consults. 3Includes albumin, fresh frozen plasma, packed red blood cells, platelets, and other.

\*total n=51,204 for categories not available prior to 2010-2011

IV, intravenous

SL, sublingual

CPAP, continuous positive airway pressure

BiPAP, bilevel positive airway pressure

ECG, electrocardiogram

CT, computed tomography

ED, endotracheal

LMA, laryngeal mask airway