**Supplemental Digital Content 1. Multicenter Perioperative Outcomes Group (MPOG) Locations Classification**

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| **MPOG Location** | **Grouping for Location-Specific Analyses** |
| Acute care hospital - mixed use operating room | **Acute Care Hospital Main OR** |
| Acute care hospital - outpatient operating room |
| Acute care hospital - minor procedure room |
| Acute care hospital - remote interventional radiology procedure room   | **Acute Care Hospital Remote Location** |
| Acute care hospital - remote diagnostic radiology procedure room   |
| Acute care hospital - remote minor procedure room   |
| Attached ambulatory surgery center - outpatient operating room | **ASC Attached** |
| Attached ambulatory surgery center - minor procedure room   |
| Attached ambulatory surgery center - remote minor procedure room   |
| Freestanding ambulatory surgery center - outpatient operating room   | **ASC Free** |
| Freestanding ambulatory surgery center - minor procedure room   |
| Freestanding ambulatory surgery center - remote minor procedure room   |
| Pediatric acute care hospital - mixed use operating room  | **Ped Hospital Main** |
| Pediatric acute care hospital - outpatient operating room   |
| Pediatric acute care hospital - minor procedure room   |
| Pediatric acute care hospital - remote interventional radiology procedure room   | **Ped Hospital Remote Location** |
| Pediatric acute care hospital - remote diagnostic radiology procedure room   |
| Pediatric acute care hospital - remote minor procedure room   |
| Obstetrics - operating room   | **Obstetrics OR** |
|  |
| Acute care hospital - intensive care unit procedurea | Not included in location specific analyses |
| Pediatric acute care hospital - intensive care unit procedurea   |
| Office based anesthesia operating roomb   |
| Obstetrics - labor and delivery roomc |
| Other procedure room type |
| Unknown procedure room type |

a = small n, n < 800

b = non-specific location mapping, limited number of contributing institutions (three), n=8,000

c = Succinylcholine usage was >1% for this location, which is not consistent with normal clinical experience and is suggestive of location mapping error. n=138,039 anesthetics with this location