**Supplemental Digital Content 1. Use of Vancomycin Powder by Fracture Location**

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| **Fracture Location** | **Use of Vancomycin Powder in Open Fractures****N (%)** | **Use of Vancomycin Powder in Closed Fractures****N (%)** | **Use of Vancomycin Powder in Open and Closed Fractures** **N (%)** |
| Shoulder | 14/22 (63.6) | N/A | 14/22 (63.6) |
| Arm | 65/127 (51.2) | N/A | 65/127 (51.2) |
| Elbow | 28/79 (35.4) | N/A | 28/79 (35.4) |
| Forearm and Wrist | 83/260 (31.9) | N/A | 83/260 (31.9) |
| Hand | 3/21 (14.3) | N/A | 3/21 (14.3) |
| Pelvis | 8/9 (88.9) | 123/310 (39.7) | 131/319 (41.1) |
| Hip | 2/4 (50.0) | 151/735 (20.5) | 153/739 (20.7) |
| Femur | 106/257 (41.2) | 126/495 (25.5) | 232/752 (30.9) |
| Knee | 7/38 (18.4) | 16/74 (21.6) | 23/112 (20.5) |
| Tibia and Fibula | 362/948 (38.2) | 351/1282 (27.4) | 713/2230 (32) |
| Hind and Mid Foot | 29/69 (42) | 37/107 (34.6) | 66/176 (37.5) |
| Fore Foot | 19/56 (33.9) | 5/32 (15.6) | 24/88 (27.3) |
| Other lower Extremity | 6/9 (66.7) | 0/1 (0.0) | 6/10 (60.0) |
| **Total**  | **732/1901 (38.5)** | **809/3040 (26.6)** | **1541/4941 (31.2)** |