**SUPPLEMENTARY TABLE AND LEGEND:**

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| CPT-22600 | Arthrodesis, posterior or posterolateral technique, single level |
| CPT-25800 | Arthrodesis procedures on forearm or wrist |
| CPT-25805 | Arthrodesis procedures on forearm or wrist |
| CPT-25810 | Arthrodesis procedures on forearm or wrist |
| CPT-25820 | Arthrodesis procedures on forearm or wrist |
| CPT-25825 | Arthrodesis procedures on forearm or wrist |
| CPT-25830 | Arthrodesis procedures on forearm or wrist |
| CPT-26841 | Arthrodesis procedures on hand or fingers |
| CPT-26842 | Arthrodesis procedures on hand or fingers |
| CPT-26843 | Arthrodesis procedures on hand or fingers |
| CPT-26844 | Arthrodesis procedures on hand or fingers |
| CPT-26850 | Arthrodesis procedures on hand or fingers |
| CPT-26852 | Arthrodesis procedures on hand or fingers |
| CPT-26860 | Arthrodesis procedures on hand or fingers |
| CPT-26861 | Arthrodesis procedures on hand or fingers |
| CPT-26862 | Arthrodesis procedures on hand or fingers |
| CPT-26863 | Arthrodesis procedures on hand or fingers |
| CPT-27870 | Arthrodesis procedures on the leg (tibia and fibula) and ankle joint |
| CPT-27871 | Arthrodesis procedures on the leg (tibia and fibula) and ankle joint |
| CPT-28705 | Arthrodesis procedures on the foot and toes |
| CPT-28715 | Arthrodesis procedures on the foot and toes |
| CPT-28725 | Arthrodesis procedures on the foot and toes |
| CPT-28730 | Arthrodesis procedures on the foot and toes |
| CPT-28735 | Arthrodesis procedures on the foot and toes |
| CPT-28737 | Arthrodesis procedures on the foot and toes |
| CPT-28740 | Arthrodesis procedures on the foot and toes |
| CPT-28750 | Arthrodesis procedures on the foot and toes |
| CPT-28755 | Arthrodesis procedures on the foot and toes |
| CPT-28760 | Arthrodesis procedures on the foot and toes |
| ICD-9-D-73382 | Nonunion of fracture |
| ICD-9-D-E887 | Fracture, cause unspecified |
| ICD-9-D-V1351 | Personal history of pathological fracture |
| ICD-9-D-V1352 | Personal history of stress fracture |
| ICD-9-D-V1551 | Personal history of traumatic fracture |
| ICD-9-D-8290 | Fracture of unspecified bone, closed |
| ICD-9-D-8291 | Fracture of unspecified bone, open |
| ICD-10-D-Z87310 | Personal history of (healed) osteoporosis fracture |
| ICD-10-D-Z87311 | Personal history of (healed) other pathological fracture |
| ICD-10-D-Z87312 | Personal history of (healed) other stress fracture |
| ICD-10-D-Z8781 | Personal history of (healed) traumatic fracture |
| ICD-10-D-M960 | Pseudarthrosis after fusion or arthrodesis |

**Supplementary Table 1:** Exclusion criteria; patients who had undergone planned or concurrent posterior arthrodesis, had a previous history of arthrodesis of hand, foot, or ankle, or had a fracture history within one year of index procedure.