

## Supplemental Digital Content 1

### ICD-9 Codes

- ICD-9 Codes for infection:
  - 680.3: Carbuncle of arm/forearm
  - 680.4: Carbuncle of hand
  - 681.01: Felon
  - 681.02: Paronychia of finger
  - 683.0: Acute lymphadenitis
  - 684.0: Impetigo
  - 686.0: Pyoderma
  - 686.9: Finger (skin)
    - 681.00: Abscess (with lymphangitis)
    - 681.01: Pulp
    - 681.00: Cellulitis (with lymphangitis)
    - 681.00: Distal closed space (with lymphangitis)
    - 681.02: Nail
  - 686.9: Thumb (skin)
  - 719.80: Joint
    - 711.93: Unspecified infective arthritis, forearm
    - 711.94: Unspecified infective arthritis, hand
    - 711.92: Unspecified infective arthritis, upper arm
    - 711.91: Unspecified infective arthritis, shoulder region
  - 704.8: Folliculitis
  - 711: Arthropathy associated with infections
    - 711.01: Pyogenic arthritis, shoulder
    - 711.02: Pyogenic arthritis, upper arm
    - 711.03: Pyogenic arthritis, forearm
    - 711.04: Pyogenic arthritis, hand
  - 726.10: Disorders of bursae and tendons in shoulder region, unspecified
  - 726.33: Olecranon bursitis
  - 726.40: Bursitis of hand or wrist
  - 726.80: Bursitis of fingers (other peripheral enthesopathies)

- 728.86: Necrotizing fasciitis
- 730.02: Acute osteomyelitis, upper arm
- 730.03: Acute osteomyelitis, forearm
- 730.04: Acute osteomyelitis, hand
- 730.12: Chronic osteomyelitis, upper arm
- 730.13: Chronic osteomyelitis, forearm
- 730.14: Chronic osteomyelitis, hand
- Open wound of shoulder and upper arm
  - 880.12: Open wound axillary region, complicated
  - 880.19: Open wound multiple sites shoulder and upper arm, complicated
  - 880.10: Open wound shoulder, complicated
  - 880.13: Open wound upper arm, complicated
- Open wound of elbow forearm and wrist
  - 881.10: Open wound forearm, complicated
  - 881.11: Open wound elbow, complicated
  - 881.12: Open wound wrist, complicated
- Open wound of hand except finger(s) alone
  - 882.1: Open wound of hand except finger(s) alone, complicated
- 883: Open wound of finger(s)
  - 883.1: Open wound of finger(s), complicated
- 884.1: Multiple and unspecified open wound of upper limb
- 912.1: Abrasion, shoulder/arm, infected
- 912.3: Blister, shoulder/arm, infected
- 912.7: Foreign body, shoulder/arm, infected
- 913.1: Abrasion, forearm, infected
- 913.3: Blister, forearm, infected
- 913.7: Foreign body, forearm, infected
- 913.9: Other unspecified superficial injury of elbow, forearm, wrist, infected
- 914.1: Abrasion, hand, infected
- 914.3: Blister, hand, infected
- 914.7: Foreign body, hand, infected
- 915.1: Abrasion, finger, infected
- 915.3: Blister, finger, infected

- 915.7: Foreign body, finger, infected
- 958.3: Posttraumatic wound infection
- 997.62: Infection of amputated stump
- Postoperative abscess
  - 998.51: infected postoperative seroma
  - 998.59: other postoperative infection
- 729.71: Nontraumatic compartment syndrome of unspecified upper extremity
- ICD-9 Codes for abscess:
  - 682.4: Hand (except finger or thumb)
  - 681.00: Finger (any) (intrathecal) (periosteal) (subcutaneous) (subcuticular)
  - 682.3: Elbow
  - 682.3: Arm (any part, above wrist)
  - 682.3: Shoulder
  - 681.00: Thumb (intrathecal) (periosteal) (subcutaneous) (subcuticular)
  - 682.4: Wrist

#### *CPT Codes*

- CPT Codes for emergency department visit:
  - 99281: Emergency department visit; self-limited or minor
  - 99282: Emergency department visit; low to moderate severity
  - 99283: Emergency department visit; moderate severity
  - 99284: Emergency department visit; threat to life or physiologic function
  - 99285: Emergency department visit; threat to life or physiologic function