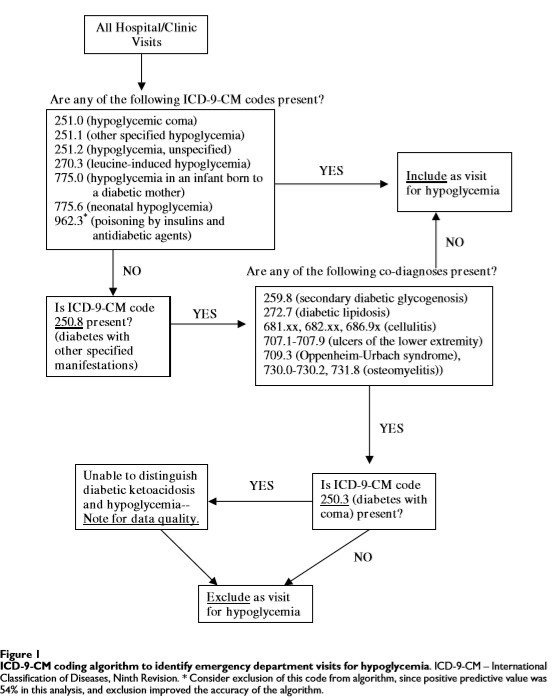
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| --- | --- | --- | --- | --- |
| Lower Extremity Ulcers/inflammation/ infections1 | ICD-9-CM | | ICD-10-CM | |
| 4540 | Varicose Veins of lower extremities with ulcer | I83.009 | Varicose veins of unspecified lower extremity with ulcer of unspecified site |
| I83.019 | Varicose veins of right lower extremity with ulcer of unspecified site |
| I83.029 | Varicose veins of left lower extremity with ulcer of unspecified site |
| 707.1 | Ulcer of lower limb, unspecified | L97.909 | Non-pressure chronic ulcer of unspecified part of unspecified lower leg with unspecified severity |
| 680.6 | Carbuncle and furuncle of leg, except foot | L02.429 | Furuncle of limb, unspecified |
| L02.439 | Carbuncle of limb, unspecifie |
| 680.7 | Carbuncle and furuncle of foot | L02.629 | Furuncle of unspecified foot |
| L02.639 | Carbuncle of unspecified foot |
| 681.1 | Cellulitis and abscess of toe,  unspecified | L03.039 | Cellulitis of unspecified toe |
| L03.049 | Acute lymphangitis of unspecified toe |
| 682.6 | Cellulitis and abscess of leg, except foot | L03.129 | Acute lymphangitis of unspecified part of limb |
| L03.119 | Cellulitis of unspecified part of limb |
| 682.7 | Cellulitis and abscess of foot, except toes | L03.119 | Cellulitis of unspecified part of limb |
| L03.129 | Acute lymphangitis of unspecified part of limb |
| 711.05 | Pyogenic arthritis, pelvic region and thigh | M00.05  9 | Staphylococcal arthritis, unspecified ankle and foot |
| M00.15  9 | Pneumococcal arthritis, unspecified hip |
| M00.25  9 | Other streptococcal arthritis, unspecified hip |
| M00.85  9 | Arthritis due to other bacteria, unspecified hip |

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| --- | --- | --- | --- | --- |
|  | 711.06 | Pyogenic arthritis, lower leg | M00.06  9 | Pneumococcal arthritis, unspecified hip |
| M00.16  9 | Pneumococcal arthritis, unspecified knee |
| M00.26  9 | Other streptococcal arthritis, unspecified knee |
| M00.86  9 | Arthritis due to other bacteria, unspecified knee |
| 711.07 | Pyogenic arthritis, ankle and foot | M00.07  09 | Staphylococcal arthritis, unspecified ankle and foot |
| M00.17  9 | Pneumococcal arthritis, unspecified ankle and foot |
| M00.27  9 | Other streptococcal arthritis, unspecified ankle and foot |
| M00.87  9 | Arthritis due to other bacteria, unspecified ankle and foot |
| 730.05 | Acute osteomyelitis, pelvic region and thigh | M86.15  9 | Other acute osteomyelitis, unspecified femur |
| M86.25  9 | Subacute osteomyelitis, unspecified femur |
| 730.06 | Acute osteomyelitis, lower leg | M86.16  9 | Other acute osteomyelitis, unspecified tibia and fibula |
| M86.26  9 | Subacute osteomyelitis, unspecified tibia and fibula |
| 730.07 | Acute osteomyelitis, ankle and foot | M86.17  9 | Other acute osteomyelitis, unspecified ankle and foot |
| M86.27  9 | Subacute osteomyelitis, unspecified ankle and foot |
| 730.15 | Chronic osteomyelitis, pelvic region and thigh | M86.65  9 | Other chronic osteomyelitis, unspecified thigh |
| 730.16 | Chronic osteomyelitis, lower leg | M86.66  9 | Other chronic osteomyelitis, unspecified tibia and fibula |
| 730.17 | Chronic osteomyelitis, ankle and foot | M86.67  9 | Other chronic osteomyelitis, unspecified ankle and foot |
| 730.25 | Unspecified osteomyelitis, pelvic region and thigh | M86.9 | Osteomyelitis, unspecified |
| 730.26 | Unspecified osteomyelitis, lower leg | M86.9 | Osteomyelitis, unspecified |
| 730.27 | Unspecified osteomyelitis, ankle and foot | M86.9 | Osteomyelitis, unspecified |

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|  | 730.35 | Periostitis, without mention of osteomyelitis, pelvic region and thigh | M86.9 | Osteomyelitis, unspecified |
| 730.36 | Periostitis, without mention of osteomyelitis, lower leg | M86.9 | Osteomyelitis, unspecified |
| 730.37 | Periostitis, without mention of osteomyelitis, ankle and foot | M86.9 | Osteomyelitis, unspecified |
| 730.85 | Other infections involving bone in diseases classified elsewhere, pelvic region and thigh | M90.85  9 | Osteopathy in diseases classified elsewhere, unspecified thigh |
| 730.86 | Other infections involving bone in diseases classified elsewhere, lower leg | M90.86  9 | Osteopathy in diseases classified elsewhere, unspecified lower leg |
| 730.87 | Other infections involving bone in diseases classified elsewhere, ankle and foot | M90.87  9 | Osteopathy in diseases classified elsewhere, unspecified ankle and foot |
| 730.95 | Unspecified infection of bone, pelvic region and thigh | M86.9 | Osteomyelitis, unspecified |
| 730.96 | Unspecified infection of bone, lower leg | M86.9 | Osteomyelitis, unspecified |
| 730.97 | Unspecified infection of bone, ankle and foot | M86.9 | Osteomyelitis, unspecified |
| 785.4 | Gangrene | I96 | Gangrene, not elsewhere classified |
| Proposed PQI:  Hypoglycemia 1Algorithm described by Ginde et al. (Appendix 3) | ICD-9-CM | | ICD-10-CM | |
| 251.0 | Hypoglycemic coma | E15 | Nondiabetic hypoglycemic coma |
| 251.1 | Other specified hypoglycemia | E16.0 | Drug-induced hypoglycemia without coma |
| E16.1 | Other hypoglycemia |
| 251.2 | Hypoglycemia, unspecified | E16.2 | Hypoglycemia, unspecified |
| 270.3 | Leucine-induced hypoglycemia | E71.0 | Maple-syrup-urine disease |
| E71.120 | Methylmalonic acidemia |
| E71.19 | Other disorders of branched-chain aminoacid metabolism |
| E71.2 | Disorder of branched-chain amino-acid metabolism, unspecified |
| 775.0 | Hypoglycemia in an infant born to a diabetic mother | P70.0 | Syndrome of infant of mother with gestational diabetes |
| P70.1 | Syndrome of infant of a diabetic mother |
| 775.6 | Neonatal hypoglycemia | P70.4 | Other neonatal hypoglycemia |
| 962.3 | Poisoning by insulins and antidiabetic agents | T38.3X  1A | Poisoning by insulin and oral hypoglycemic  [antidiabetic] drugs, accidental  (unintentional), initial encounter |
| T38.3X  2A | Poisoning by insulin and oral hypoglycemic [antidiabetic] drugs, intentional self-harm, initial encounter |

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|  |  |  | T38.3X  3A | Poisoning by insulin and oral hypoglycemic  [antidiabetic] drugs, assault, initial encounter |
| T38.3X  4A | Poisoning by insulin and oral hypoglycemic [antidiabetic] drugs, undetermined, initial encounter |
| 250.80 | Diabetes with other specified manifestations, type II or unspecified type, not stated as uncontrolled | E11.618 | Type 2 diabetes mellitus with other diabetic arthropathy |
| E11.620 | Type 2 diabetes mellitus with diabetic dermatitis |
| E11.621 | Type 2 diabetes mellitus with foot ulcer |
| E11.622 | Type 2 diabetes mellitus with other skin ulcer |
| E11.628 | Type 2 diabetes mellitus with other skin complications |
| E11.630 | Type 2 diabetes mellitus with periodontal disease |
| E11.638 | Type 2 diabetes mellitus with other oral complications |
| E11.649 | Type 2 diabetes mellitus with hypoglycemia without coma |
| E11.65 | Type 2 diabetes mellitus with  hyperglycemia |
| E11.69 | Type 2 diabetes mellitus with other specified complication |
| 259.8 | Secondary diabetic glycogenosis | E34.8 | Other specified endocrine disorders |
| 272.7 | Lipidoses | E75.21 | Fabry (-Anderson) disease |
| E75.22 | Gaucher disease |
| E75.249 | Niemann-Pick disease, unspecified |
| E77.0 | Defects in post-translational modification of  lysosomal enzymes |
| E77.1 | Defects in glycoprotein degradation |
| 681.00 | Cellulitis and abscess of finger,  unspecified | L03.019 | Cellulitis of unspecified finger |
| L03.029 | Acute lymphangitis of unspecified finger |
|  | 707.1 | Ulcers of lower extremity | E11.618 | Type 2 diabetes mellitus with other diabetic arthropathy |
| 707.2 | Ulcers of lower extremity | E11.620 | Type 2 diabetes mellitus with diabetic dermatitis |
| 707.3 | Ulcers of lower extremity | E11.621 | Type 2 diabetes mellitus with foot ulcer |
| 707.4 | Ulcers of lower extremity | E11.622 | Type 2 diabetes mellitus with other skin ulcer |
| 707.5 | Ulcers of lower extremity | E11.628 | Type 2 diabetes mellitus with other skin complications |
| 707.6 | Ulcers of lower extremity | E11.630 | Type 2 diabetes mellitus with periodontal disease |
| 707.7 | Ulcers of lower extremity | E11.638 | Type 2 diabetes mellitus with other oral complications |
| 707.8 | Ulcers of lower extremity | E11.649 | Type 2 diabetes mellitus with hypoglycemia without coma |
| 707.9 | Ulcers of lower extremity | E11.65 | Type 2 diabetes mellitus with hyperglycemia |
| 709.3 | Degenerative skin disorders | L92.1 | Necrobiosis lipoidica, not elsewhere classified |
| L94.2 | Calcinosis cutis |
| L98.8 | Other specified disorders of the skin and subcutaneous tissue |
| 730.00 | Acute osteomyelitis, site unspecified | M86.10 | Other acute osteomyelitis, unspecified site |
| M86.20 | Subacute osteomyelitis, unspecified site |
| 730.1 | Chronic osteomyelitis, site unspecified | M86.60 | Other chronic osteomyelitis, unspecified site |
| 730.2 | Unspecified osteomyelitis, site unspecified | M86.9 | Osteomyelitis, unspecified |
| 731.8 | Other bone involvement in  diseases classified elsewhere | M90.80 | Osteopathy in diseases classified elsewhere, unspecified site |
| 250.3 | Diabetes with other coma, type II or unspecified type, not stated as  uncontrolled | E11.641 | Type 2 diabetes mellitus with hypoglycemia with coma |
|  |  | E10.11 | Type 1 diabetes mellitus with ketoacidosis with coma |
| E10.641 | Type 1 diabetes mellitus with hypoglycemia with coma |
| E11.01 | Type 2 diabetes mellitus with hyperosmolarity with coma |
| E11.65 | Type 2 diabetes mellitus with hyperglycemia |
| E10.11 | Type 1 diabetes mellitus with ketoacidosis with coma |
| E10.65 | Type 1 diabetes mellitus with hyperglycemia |

Appendix 3. Figure describing coding algorithm for hypoglycemic events, published by Ginde et al.2



1. Tseng C-L, Soroka O, Pogach LM. An expanded prevention quality diabetes composite: Quantifying the burden of preventable hospitalizations for older adults with diabetes. J Diabetes Complications. 2018 May;32(5):458–64.

2. Ginde AA, Blanc PG, Lieberman RM, Camargo CA. Validation of ICD-9-CM coding algorithm for improved identification of hypoglycemia visits. BMC Endocr Disord. 2008 Apr 1;8:4.