



Prevention Quality Indicator 16 (PQI 16) Lower-Extremity Amputation Among Patients with Diabetes Rate July 2019 Area-Level Indicator Type of Score: Rate

Prepared by:

Agency for Healthcare Research and Quality

U.S. Department of Health and Human Services

www.qualityindicators.ahrq.gov

DESCRIPTION

Admissions for any-listed diagnosis of diabetes and any-listed procedure of lower-extremity amputation (except toe amputations) per 100,000 population, ages 18 years and older. Excludes any-listed diagnosis of traumatic lower-extremity amputation admissions, obstetric admissions, and transfers from other institutions.

[NOTE: The software provides the rate per population. However, common practice reports the measure as per 100,000 population. The user must multiply the rate obtained from the software by 100,000 to report admissions per 100,000 population.]

NUMERATOR

Discharges, for patients ages 18 years and older, with any-listed ICD-10-PCS procedure codes for lower-extremity amputation (*ACSLEAP**) and any-listed ICD-10-CM diagnosis codes for diabetes (*ACSLEAD**).

NUMERATOR EXCLUSIONS

Exclude cases:

- with any-listed ICD-10-CM diagnosis codes for traumatic amputation of the lower extremity (*ACLEA2D* *)
- with admission source for transferred from a different hospital or other health care facility (*Appendix A*) (UB04 Admission source - 2, 3)
- with a point of origin code for transfer from a hospital, skilled nursing facility (SNF) or intermediate care facility (ICF), or other healthcare facility (*Appendix A*) (UB04 Point of Origin - 4, 5, 6)
- with a major diagnostic category for pregnancy, childbirth and puerperium, (MDC 14)
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing), principal diagnosis (DX1=missing), or county (PSTCO=missing)

[Appendix A – Admission Codes for Transfers](#)

DENOMINATOR

Population ages 18 years and older in metropolitan area*** or county. Discharges in the numerator are assigned to the denominator based on the metropolitan area or county of the patient residence, not the metropolitan area or county of the hospital where the discharge occurred.**

*** The term “metropolitan area” (MA) was adopted by the U.S. Census in 1990 and referred collectively to metropolitan statistical areas (MSAs), consolidated metropolitan statistical areas (CMSAs), and primary metropolitan statistical areas (PMSAs). In addition, “area” could refer to either 1) FIPS county, 2) modified FIPS county, 3) 1999 OMB Metropolitan Statistical Area, or 4) 2003 OMB Metropolitan Statistical Area. Micropolitan Statistical Areas are not used in the QI software.

** The previous version of this indicator allowed the denominator to be specified with the diabetic population only and calculated with the SAS QI software through the condition-specific denominator at the state-level feature. However, the disease-specific denominator file has been temporarily removed from the software for further review and refinement.

* See below for code list

Lower-extremity amputation procedure codes: (ACSLEAP)

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|---------|---|---------|---|
| 0Y620ZZ | Detachment at Right Hindquarter, Open Approach | 0Y6M0Z5 | Detachment at Right Foot, Complete 2nd Ray, Open Approach |
| 0Y630ZZ | Detachment at Left Hindquarter, Open Approach | 0Y6M0Z6 | Detachment at Right Foot, Complete 3rd Ray, Open Approach |
| 0Y640ZZ | Detachment at Bilateral Hindquarter, Open Approach | 0Y6M0Z7 | Detachment at Right Foot, Complete 4th Ray, Open Approach |
| 0Y670ZZ | Detachment at Right Femoral Region, Open Approach | 0Y6M0Z8 | Detachment at Right Foot, Complete 5th Ray, Open Approach |
| 0Y680ZZ | Detachment at Left Femoral Region, Open Approach | 0Y6M0Z9 | Detachment at Right Foot, Partial 1st Ray, Open Approach |
| 0Y6C0Z1 | Detachment at Right Upper Leg, High, Open Approach | 0Y6M0ZB | Detachment at Right Foot, Partial 2nd Ray, Open Approach |
| 0Y6C0Z2 | Detachment at Right Upper Leg, Mid, Open Approach | 0Y6M0ZC | Detachment at Right Foot, Partial 3rd Ray, Open Approach |
| 0Y6C0Z3 | Detachment at Right Upper Leg, Low, Open Approach | 0Y6M0ZD | Detachment at Right Foot, Partial 4th Ray, Open Approach |
| 0Y6D0Z1 | Detachment at Left Upper Leg, High, Open Approach | 0Y6M0ZF | Detachment at Right Foot, Partial 5th Ray, Open Approach |
| 0Y6D0Z2 | Detachment at Left Upper Leg, Mid, Open Approach | 0Y6N0Z0 | Detachment at Left Foot, Complete, Open Approach |
| 0Y6D0Z3 | Detachment at Left Upper Leg, Low, Open Approach | 0Y6N0Z4 | Detachment at Left Foot, Complete 1st Ray, Open Approach |
| 0Y6F0ZZ | Detachment at Right Knee Region, Open Approach | 0Y6N0Z5 | Detachment at Left Foot, Complete 2nd Ray, Open Approach |
| 0Y6G0ZZ | Detachment at Left Knee Region, Open Approach | 0Y6N0Z6 | Detachment at Left Foot, Complete 3rd Ray, Open Approach |
| 0Y6H0Z1 | Detachment at Right Lower Leg, High, Open Approach | 0Y6N0Z7 | Detachment at Left Foot, Complete 4th Ray, Open Approach |
| 0Y6H0Z2 | Detachment at Right Lower Leg, Mid, Open Approach | 0Y6N0Z8 | Detachment at Left Foot, Complete 5th Ray, Open Approach |
| 0Y6H0Z3 | Detachment at Right Lower Leg, Low, Open Approach | 0Y6N0Z9 | Detachment at Left Foot, Partial 1st Ray, Open Approach |
| 0Y6J0Z1 | Detachment at Left Lower Leg, High, Open Approach | 0Y6N0ZB | Detachment at Left Foot, Partial 2nd Ray, Open Approach |
| 0Y6J0Z2 | Detachment at Left Lower Leg, Mid, Open Approach | 0Y6N0ZC | Detachment at Left Foot, Partial 3rd Ray, Open Approach |
| 0Y6J0Z3 | Detachment at Left Lower Leg, Low, Open Approach | 0Y6N0ZD | Detachment at Left Foot, Partial 4th Ray, Open Approach |
| 0Y6M0Z0 | Detachment at Right Foot, Complete, Open Approach | 0Y6N0ZF | Detachment at Left Foot, Partial 5th Ray, Open Approach |
| 0Y6M0Z4 | Detachment at Right Foot, Complete 1st Ray, Open Approach | | |

Diabetes diagnosis codes: (ACSLEAD)

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| E1010 | Type 1 diabetes mellitus with ketoacidosis without coma | E113532 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye |
| E1011 | Type 1 diabetes mellitus with ketoacidosis with coma | E113533 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral |
| E1021 | Type 1 diabetes mellitus with diabetic nephropathy | E113539 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye |
| E1022 | Type 1 diabetes mellitus with diabetic chronic kidney disease | E113541 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye |
| E1029 | Type 1 diabetes mellitus with other diabetic kidney complication | E113542 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye |
| E10311 | Type 1 diabetes mellitus with unspecified diabetic retinopathy with macular edema | E113543 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral |
| E10319 | Type 1 diabetes mellitus with unspecified diabetic retinopathy without macular edema | E113549 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye |
| E10321 | Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema | E113551 | Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, right eye |
| E103211 | Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye | E113552 | Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, left eye |
| E103212 | Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye | E113553 | Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral |

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| E103213 | Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral | E113559 | Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye |
| E103219 | Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye | E11359 | Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema |
| E10329 | Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema | E113591 | Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye |
| E103291 | Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye | E113592 | Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye |
| E103292 | Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye | E113593 | Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral |
| E103293 | Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral | E113599 | Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye |
| E103299 | Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye | E1136 | Type 2 diabetes mellitus with diabetic cataract |
| E10331 | Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema | E1137X1 | Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye |
| E103311 | Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye | E1137X2 | Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye |
| E103312 | Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye | E1137X3 | Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral |
| E103313 | Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral | E1137X9 | Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye |
| E103319 | Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye | E1139 | Type 2 diabetes mellitus with other diabetic ophthalmic complication |

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| E10339 | Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema | E1140 | Type 2 diabetes mellitus with diabetic neuropathy, unspecified |
| E103391 | Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye | E1141 | Type 2 diabetes mellitus with diabetic mononeuropathy |
| E103392 | Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye | E1142 | Type 2 diabetes mellitus with diabetic polyneuropathy |
| E103393 | Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral | E1143 | Type 2 diabetes mellitus with diabetic autonomic (poly)neuropathy |
| E103399 | Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye | E1144 | Type 2 diabetes mellitus with diabetic amyotrophy |
| E10341 | Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema | E1149 | Type 2 diabetes mellitus with other diabetic neurological complication |
| E103411 | Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye | E1151 | Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene |
| E103412 | Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye | E1152 | Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene |
| E103413 | Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral | E1159 | Type 2 diabetes mellitus with other circulatory complications |
| E103419 | Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye | E11610 | Type 2 diabetes mellitus with diabetic neuropathic arthropathy |
| E10349 | Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema | E11618 | Type 2 diabetes mellitus with other diabetic arthropathy |
| E103491 | Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye | E11620 | Type 2 diabetes mellitus with diabetic dermatitis |
| E103492 | Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye | E11621 | Type 2 diabetes mellitus with foot ulcer |

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| E103493 | Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral | E11622 | Type 2 diabetes mellitus with other skin ulcer |
| E103499 | Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye | E11628 | Type 2 diabetes mellitus with other skin complications |
| E10351 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema | E11630 | Type 2 diabetes mellitus with periodontal disease |
| E103511 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye | E11638 | Type 2 diabetes mellitus with other oral complications |
| E103512 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye | E11641 | Type 2 diabetes mellitus with hypoglycemia with coma |
| E103513 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral | E11649 | Type 2 diabetes mellitus with hypoglycemia without coma |
| E103519 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye | E1165 | Type 2 diabetes mellitus with hyperglycemia |
| E103521 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye | E1169 | Type 2 diabetes mellitus with other specified complication |
| E103522 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye | E118 | Type 2 diabetes mellitus with unspecified complications |
| E103523 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral | E119 | Type 2 diabetes mellitus without complications |
| E103529 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye | E1300 | Other specified diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC) |
| E103531 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye | E1301 | Other specified diabetes mellitus with hyperosmolarity with coma |

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| E103532 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye | E1310 | Other specified diabetes mellitus with ketoacidosis without coma |
| E103533 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral | E1311 | Other specified diabetes mellitus with ketoacidosis with coma |
| E103539 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye | E1321 | Other specified diabetes mellitus with diabetic nephropathy |
| E103541 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye | E1322 | Other specified diabetes mellitus with diabetic chronic kidney disease |
| E103542 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye | E1329 | Other specified diabetes mellitus with other diabetic kidney complication |
| E103543 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral | E13311 | Other specified diabetes mellitus with unspecified diabetic retinopathy with macular edema |
| E103549 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye | E13319 | Other specified diabetes mellitus with unspecified diabetic retinopathy without macular edema |
| E103551 | Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, right eye | E13321 | Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema |
| E103552 | Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, left eye | E133211 | Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye |
| E103553 | Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral | E133212 | Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye |

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| E103559 | Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye | E133213 | Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral |
| E10359 | Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema | E133219 | Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye |
| E103591 | Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye | E13329 | Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema |
| E103592 | Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye | E133291 | Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye |
| E103593 | Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral | E133292 | Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye |
| E103599 | Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye | E133293 | Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral |
| E1036 | Type 1 diabetes mellitus with diabetic cataract | E133299 | Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye |
| E1037X1 | Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye | E13331 | Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema |
| E1037X2 | Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye | E133311 | Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye |
| E1037X3 | Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral | E133312 | Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye |
| E1037X9 | Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye | E133313 | Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral |

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| E1039 | Type 1 diabetes mellitus with other diabetic ophthalmic complication | E133319 | Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye |
| E1040 | Type 1 diabetes mellitus with diabetic neuropathy, unspecified | E13339 | Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema |
| E1041 | Type 1 diabetes mellitus with diabetic mononeuropathy | E133391 | Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye |
| E1042 | Type 1 diabetes mellitus with diabetic polyneuropathy | E133392 | Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye |
| E1043 | Type 1 diabetes mellitus with diabetic autonomic (poly)neuropathy | E133393 | Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral |
| E1044 | Type 1 diabetes mellitus with diabetic amyotrophy | E133399 | Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye |
| E1049 | Type 1 diabetes mellitus with other diabetic neurological complication | E13341 | Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema |
| E1051 | Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene | E133411 | Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye |
| E1052 | Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene | E133412 | Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye |
| E1059 | Type 1 diabetes mellitus with other circulatory complications | E133413 | Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral |
| E10610 | Type 1 diabetes mellitus with diabetic neuropathic arthropathy | E133419 | Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye |

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| E10618 | Type 1 diabetes mellitus with other diabetic arthropathy | E13349 | Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema |
| E10620 | Type 1 diabetes mellitus with diabetic dermatitis | E133491 | Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye |
| E10621 | Type 1 diabetes mellitus with foot ulcer | E133492 | Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye |
| E10622 | Type 1 diabetes mellitus with other skin ulcer | E133493 | Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral |
| E10628 | Type 1 diabetes mellitus with other skin complications | E133499 | Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye |
| E10630 | Type 1 diabetes mellitus with periodontal disease | E13351 | Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema |
| E10638 | Type 1 diabetes mellitus with other oral complications | E133511 | Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye |
| E10641 | Type 1 diabetes mellitus with hypoglycemia with coma | E133512 | Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye |
| E10649 | Type 1 diabetes mellitus with hypoglycemia without coma | E133513 | Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral |
| E1065 | Type 1 diabetes mellitus with hyperglycemia | E133519 | Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye |
| E1069 | Type 1 diabetes mellitus with other specified complication | E133521 | Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye |

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| E108 | Type 1 diabetes mellitus with unspecified complications | E133522 | Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye |
| E109 | Type 1 diabetes mellitus without complications | E133523 | Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral |
| E1100 | Type 2 diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC) | E133529 | Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye |
| E1101 | Type 2 diabetes mellitus with hyperosmolarity with coma | E133531 | Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye |
| E1121 | Type 2 diabetes mellitus with diabetic nephropathy | E133532 | Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye |
| E1122 | Type 2 diabetes mellitus with diabetic chronic kidney disease | E133533 | Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral |
| E1129 | Type 2 diabetes mellitus with other diabetic kidney complication | E133539 | Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye |
| E11311 | Type 2 diabetes mellitus with unspecified diabetic retinopathy with macular edema | E133541 | Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye |

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| E11319 | Type 2 diabetes mellitus with unspecified diabetic retinopathy without macular edema | E133542 | Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye |
| E11321 | Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema | E133543 | Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral |
| E113211 | Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye | E133549 | Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye |
| E113212 | Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye | E133551 | Other specified diabetes mellitus with stable proliferative diabetic retinopathy, right eye |
| E113213 | Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral | E133552 | Other specified diabetes mellitus with stable proliferative diabetic retinopathy, left eye |
| E113219 | Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye | E133553 | Other specified diabetes mellitus with stable proliferative diabetic retinopathy, bilateral |
| E11329 | Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema | E133559 | Other specified diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye |
| E113291 | Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye | E13359 | Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema |
| E113292 | Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye | E133591 | Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye |
| E113293 | Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral | E133592 | Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye |

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| E113299 | Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye | E133593 | Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral |
| E11331 | Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema | E133599 | Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye |
| E113311 | Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye | E1336 | Other specified diabetes mellitus with diabetic cataract |
| E113312 | Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye | E1337X1 | Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, right eye |
| E113313 | Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral | E1337X2 | Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, left eye |
| E113319 | Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye | E1337X3 | Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral |
| E11339 | Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema | E1337X9 | Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye |
| E113391 | Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye | E1339 | Other specified diabetes mellitus with other diabetic ophthalmic complication |
| E113392 | Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye | E1340 | Other specified diabetes mellitus with diabetic neuropathy, unspecified |
| E113393 | Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral | E1341 | Other specified diabetes mellitus with diabetic mononeuropathy |
| E113399 | Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye | E1342 | Other specified diabetes mellitus with diabetic polyneuropathy |

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| E11341 | Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema | E1343 | Other specified diabetes mellitus with diabetic autonomic (poly)neuropathy |
| E113411 | Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye | E1344 | Other specified diabetes mellitus with diabetic amyotrophy |
| E113412 | Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye | E1349 | Other specified diabetes mellitus with other diabetic neurological complication |
| E113413 | Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral | E1351 | Other specified diabetes mellitus with diabetic peripheral angiopathy without gangrene |
| E113419 | Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye | E1352 | Other specified diabetes mellitus with diabetic peripheral angiopathy with gangrene |
| E11349 | Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema | E1359 | Other specified diabetes mellitus with other circulatory complications |
| E113491 | Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye | E13610 | Other specified diabetes mellitus with diabetic neuropathic arthropathy |
| E113492 | Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye | E13618 | Other specified diabetes mellitus with other diabetic arthropathy |
| E113493 | Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral | E13620 | Other specified diabetes mellitus with diabetic dermatitis |
| E113499 | Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye | E13621 | Other specified diabetes mellitus with foot ulcer |
| E11351 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema | E13622 | Other specified diabetes mellitus with other skin ulcer |
| E113511 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye | E13628 | Other specified diabetes mellitus with other skin complications |
| E113512 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye | E13630 | Other specified diabetes mellitus with periodontal disease |
| E113513 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral | E13638 | Other specified diabetes mellitus with other oral complications |

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|---------|---|--------|---|
| E113519 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye | E13641 | Other specified diabetes mellitus with hypoglycemia with coma |
| E113521 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye | E13649 | Other specified diabetes mellitus with hypoglycemia without coma |
| E113522 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye | E1365 | Other specified diabetes mellitus with hyperglycemia |
| E113523 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral | E1369 | Other specified diabetes mellitus with other specified complication |
| E113529 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye | E138 | Other specified diabetes mellitus with unspecified complications |
| E113531 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye | E139 | Other specified diabetes mellitus without complications |

Traumatic amputation of the lower extremity diagnosis codes: (ACLEA2D)

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| S78011A | Complete traumatic amputation at right hip joint, initial encounter | S98011A | Complete traumatic amputation of right foot at ankle level, initial encounter |
| S78012A | Complete traumatic amputation at left hip joint, initial encounter | S98012A | Complete traumatic amputation of left foot at ankle level, initial encounter |
| S78019A | Complete traumatic amputation at unspecified hip joint, initial encounter | S98019A | Complete traumatic amputation of unspecified foot at ankle level, initial encounter |
| S78021A | Partial traumatic amputation at right hip joint, initial encounter | S98021A | Partial traumatic amputation of right foot at ankle level, initial encounter |
| S78022A | Partial traumatic amputation at left hip joint, initial encounter | S98022A | Partial traumatic amputation of left foot at ankle level, initial encounter |
| S78029A | Partial traumatic amputation at unspecified hip joint, initial encounter | S98029A | Partial traumatic amputation of unspecified foot at ankle level, initial encounter |
| S78111A | Complete traumatic amputation at level between right hip and knee, initial encounter | S98111A | Complete traumatic amputation of right great toe, initial encounter |
| S78112A | Complete traumatic amputation at level between left hip and knee, initial encounter | S98112A | Complete traumatic amputation of left great toe, initial encounter |
| S78119A | Complete traumatic amputation at level between unspecified hip and knee, initial encounter | S98119A | Complete traumatic amputation of unspecified great toe, initial encounter |
| S78121A | Partial traumatic amputation at level between right hip and knee, initial encounter | S98121A | Partial traumatic amputation of right great toe, initial encounter |
| S78122A | Partial traumatic amputation at level between left hip and knee, initial encounter | S98122A | Partial traumatic amputation of left great toe, initial encounter |
| S78129A | Partial traumatic amputation at level between unspecified hip and knee, initial encounter | S98129A | Partial traumatic amputation of unspecified great toe, initial encounter |
| S78911A | Complete traumatic amputation of right hip and thigh, level unspecified, initial encounter | S98131A | Complete traumatic amputation of one right lesser toe, initial encounter |
| S78912A | Complete traumatic amputation of left hip and thigh, level unspecified, initial encounter | S98132A | Complete traumatic amputation of one left lesser toe, initial encounter |

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| S78919A | Complete traumatic amputation of unspecified hip and thigh, level unspecified, initial encounter | S98139A | Complete traumatic amputation of one unspecified lesser toe, initial encounter |
| S78921A | Partial traumatic amputation of right hip and thigh, level unspecified, initial encounter | S98141A | Partial traumatic amputation of one right lesser toe, initial encounter |
| S78922A | Partial traumatic amputation of left hip and thigh, level unspecified, initial encounter | S98142A | Partial traumatic amputation of one left lesser toe, initial encounter |
| S78929A | Partial traumatic amputation of unspecified hip and thigh, level unspecified, initial encounter | S98149A | Partial traumatic amputation of one unspecified lesser toe, initial encounter |
| S88011A | Complete traumatic amputation at knee level, right lower leg, initial encounter | S98211A | Complete traumatic amputation of two or more right lesser toes, initial encounter |
| S88012A | Complete traumatic amputation at knee level, left lower leg, initial encounter | S98212A | Complete traumatic amputation of two or more left lesser toes, initial encounter |
| S88019A | Complete traumatic amputation at knee level, unspecified lower leg, initial encounter | S98219A | Complete traumatic amputation of two or more unspecified lesser toes, initial encounter |
| S88021A | Partial traumatic amputation at knee level, right lower leg, initial encounter | S98221A | Partial traumatic amputation of two or more right lesser toes, initial encounter |
| S88022A | Partial traumatic amputation at knee level, left lower leg, initial encounter | S98222A | Partial traumatic amputation of two or more left lesser toes, initial encounter |
| S88029A | Partial traumatic amputation at knee level, unspecified lower leg, initial encounter | S98229A | Partial traumatic amputation of two or more unspecified lesser toes, initial encounter |
| S88111A | Complete traumatic amputation at level between knee and ankle, right lower leg, initial encounter | S98311A | Complete traumatic amputation of right midfoot, initial encounter |
| S88112A | Complete traumatic amputation at level between knee and ankle, left lower leg, initial encounter | S98312A | Complete traumatic amputation of left midfoot, initial encounter |
| S88119A | Complete traumatic amputation at level between knee and ankle, unspecified lower leg, initial encounter | S98319A | Complete traumatic amputation of unspecified midfoot, initial encounter |
| S88121A | Partial traumatic amputation at level between knee and ankle, right lower leg, initial encounter | S98321A | Partial traumatic amputation of right midfoot, initial encounter |

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| S88122A | Partial traumatic amputation at level between knee and ankle, left lower leg, initial encounter | S98322A | Partial traumatic amputation of left midfoot, initial encounter |
| S88129A | Partial traumatic amputation at level between knee and ankle, unspecified lower leg, initial encounter | S98329A | Partial traumatic amputation of unspecified midfoot, initial encounter |
| S88911A | Complete traumatic amputation of right lower leg, level unspecified, initial encounter | S98911A | Complete traumatic amputation of right foot, level unspecified, initial encounter |
| S88912A | Complete traumatic amputation of left lower leg, level unspecified, initial encounter | S98912A | Complete traumatic amputation of left foot, level unspecified, initial encounter |
| S88919A | Complete traumatic amputation of unspecified lower leg, level unspecified, initial encounter | S98919A | Complete traumatic amputation of unspecified foot, level unspecified, initial encounter |
| S88921A | Partial traumatic amputation of right lower leg, level unspecified, initial encounter | S98921A | Partial traumatic amputation of right foot, level unspecified, initial encounter |
| S88922A | Partial traumatic amputation of left lower leg, level unspecified, initial encounter | S98922A | Partial traumatic amputation of left foot, level unspecified, initial encounter |
| S88929A | Partial traumatic amputation of unspecified lower leg, level unspecified, initial encounter | S98929A | Partial traumatic amputation of unspecified foot, level unspecified, initial encounter |