Documentation and ICD-10 Coding

Jeffrey D. Lehrman, DPM, FASPS, MAPWCA

APMA Coding Committee
Expert Panelist, Codingline
APMA MACRA Task Force
Fellow, American Academy of Podiatric Practice Management
Board of Directors, ASPS
Board of Directors, APWCA
Twitter: @DrLehrman
DFU Coding

Type 2 diabetic patient with a chronic diabetic left lateral midfoot ulcer with necrosis of muscle. The patient takes insulin on a daily basis.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>ICD-9 Link</th>
</tr>
</thead>
<tbody>
<tr>
<td>R29.2</td>
<td>Abnormal reflex (e.g., knee, Achilles, or plantar foot)</td>
<td>[ ICD-9 ] Show ICD-10 Shortcut</td>
</tr>
<tr>
<td>S90.51-</td>
<td>Abrasion (ankle)</td>
<td>[ ICD-9 ] Show ICD-10 Shortcut</td>
</tr>
<tr>
<td>S90.51-</td>
<td>Abrasion (ankle), (also code L08.89 or L08.9) with infection</td>
<td>[ ICD-9 ] Show ICD-10 Shortcut</td>
</tr>
<tr>
<td>S90.81-</td>
<td>Abrasion (foot)</td>
<td>[ ICD-9 ] Show ICD-10 Shortcut</td>
</tr>
<tr>
<td>S90.81-</td>
<td>Abrasion (foot), (also code L08.89 or L08.9) with infection</td>
<td>[ ICD-9 ] Show ICD-10 Shortcut</td>
</tr>
<tr>
<td>S80.81-</td>
<td>Abrasion (lower leg)</td>
<td>[ ICD-9 ] Show ICD-10 Shortcut</td>
</tr>
<tr>
<td>S80.81-</td>
<td>Abrasion (lower leg), (also code L08.89 or L08.9) with infection</td>
<td>[ ICD-9 ] Show ICD-10 Shortcut</td>
</tr>
<tr>
<td>S90.41-</td>
<td>Abrasion (toe)</td>
<td>[ ICD-9 ] Show ICD-10 Shortcut</td>
</tr>
<tr>
<td>S90.41-</td>
<td>Abrasion (toe), (also code L08.89 or L08.9) with infection</td>
<td>[ ICD-9 ] Show ICD-10 Shortcut</td>
</tr>
<tr>
<td>M86.17-</td>
<td>Abscess (bone) (acute), ankle and foot</td>
<td>[ ICD-9 ] Show ICD-10 Shortcut</td>
</tr>
</tbody>
</table>
• L97.423
• Non-pressure chronic ulcer of left heel and midfoot with necrosis of muscle
L97 Non-pressure chronic ulcer of lower limb, not elsewhere classified

Includes: chronic ulcer of skin of lower limb NOS
          non-healing ulcer of skin
          non-infected sinus of skin
          trophic ulcer NOS
          tropical ulcer NOS
          ulcer of skin of lower limb NOS

Code first any associated underlying condition, such as:
          any associated gangrene (I96)
          atherosclerosis of the lower extremities (I70.23-, I70.24-, I70.33-, I70.34-, I70.43-, I70.44-, I70.53-, I70.54-, I70.63-, I70.64-, I70.73-, I70.74-)
          chronic venous hypertension (I87.31-, I87.33-)
          postphlebitic syndrome (I87.01-, I87.03-)
          postthrombotic syndrome (I87.01-, I87.03-)
          varicose ulcer (I83.0-, I83.2-)

Excludes2: pressure ulcer (pressure area) (L89.-)
          skin infections (L00-L08)
          specific infections classified to A00-B99
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>E10.52</td>
<td>Gangrene, with diabetes type 1 angiopathy</td>
</tr>
<tr>
<td>E10.61-</td>
<td>Diabetes mellitus, type I, with diabetic arthropathy</td>
</tr>
<tr>
<td>E10.62-</td>
<td>Diabetes mellitus, type I, with skin complications</td>
</tr>
<tr>
<td>E10.621</td>
<td>Diabetes mellitus, type I, with foot ulcer</td>
</tr>
<tr>
<td>E10.622</td>
<td>Diabetes mellitus, type I, with other skin ulcer</td>
</tr>
<tr>
<td>E10.65</td>
<td>Diabetes mellitus, type I, with hyperglycemia</td>
</tr>
<tr>
<td>E10.8</td>
<td>Diabetes mellitus, type I, with unspecified complications</td>
</tr>
<tr>
<td>E10.9</td>
<td>Diabetes mellitus, type I, without complications</td>
</tr>
<tr>
<td>E11.4-</td>
<td>Diabetes mellitus, type II, with neurological complications</td>
</tr>
<tr>
<td>E11.42</td>
<td>Diabetes mellitus, type 2, with diabetic polyneuropathy</td>
</tr>
<tr>
<td>E11.42</td>
<td>Polyneuropathy, diabetic, type 2</td>
</tr>
<tr>
<td>E11.5-</td>
<td>Diabetes mellitus, type II, with circulatory complications</td>
</tr>
<tr>
<td>E11.52</td>
<td>Gangrene, with diabetes type 2 angiopathy</td>
</tr>
<tr>
<td>E11.61-</td>
<td>Diabetes mellitus, type II, with diabetic arthropathy</td>
</tr>
<tr>
<td>E11.62-</td>
<td>Diabetes mellitus, type II, with skin complications</td>
</tr>
<tr>
<td>E11.621</td>
<td>Diabetes mellitus, type II, with foot ulcer</td>
</tr>
<tr>
<td>E11.622</td>
<td>Diabetes mellitus, type II, with other skin ulcer</td>
</tr>
<tr>
<td>E11.65</td>
<td>Diabetes mellitus, type II, with hyperglycemia</td>
</tr>
<tr>
<td>E11.69</td>
<td>Diabetes mellitus, type II, with other specified complication</td>
</tr>
<tr>
<td>E11.8</td>
<td>Diabetes mellitus, type II, with unspecified complications</td>
</tr>
<tr>
<td>E11.9</td>
<td>Diabetes mellitus, type II, without complications</td>
</tr>
</tbody>
</table>
E11.6 Type 2 diabetes mellitus with other specified complications

E11.61 Type 2 diabetes mellitus with diabetic arthropathy

E11.610 Type 2 diabetes mellitus with diabetic neuropathic arthropathy

Inclusion Term: Type 2 diabetes mellitus with Charcot's joints

E11.618 Type 2 diabetes mellitus with other diabetic arthropathy

E11.62 Type 2 diabetes mellitus with skin complications

E11.620 Type 2 diabetes mellitus with diabetic dermatitis

Inclusion Term: Type 2 diabetes mellitus with diabetic necrobiosis lipoidica

E11.621 Type 2 diabetes mellitus with foot ulcer

Use additional code to identify site of ulcer (L97.4-, L97.5-)

E11.622 Type 2 diabetes mellitus with other skin ulcer

Use additional code to identify site of ulcer (L97.1-L97.9, L98.41-L98.49)

E11.628 Type 2 diabetes mellitus with other skin complications

E11.63 Type 2 diabetes mellitus with oral complications

E11.630 Type 2 diabetes mellitus with periodontal disease

E11.638 Type 2 diabetes mellitus with other oral complications

E11.64 Type 2 diabetes mellitus with hypoglycemia

E11.641 Type 2 diabetes mellitus with hypoglycemia with coma

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

Use additional code to identify complication

E11.8 Type 2 diabetes mellitus with unspecified complications
• E11.621
• Type 2 diabetes mellitus with foot ulcer
E11.0 Type 2 diabetes mellitus with hyperosmolarity
  E11.00 Type 2 diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)
  E11.01 Type 2 diabetes mellitus with hyperosmolarity with coma

E11.2 Type 2 diabetes mellitus with kidney complications
  E11.21 Type 2 diabetes mellitus with diabetic nephropathy
    Inclusion Term: Type 2 diabetes mellitus with intercapillary glomerulosclerosis
    Type 2 diabetes mellitus with intracapillary glomerulonephrosis
    Type 2 diabetes mellitus with Kimmerstiel-Wilson disease
    E11.22 Type 2 diabetes mellitus with diabetic chronic kidney disease
      Use additional code to identify stage of chronic kidney disease (N18.1-N18.6)
  E11.29 Type 2 diabetes mellitus with other diabetic kidney complication
    Inclusion Term: Type 2 diabetes mellitus with renal tubular degeneration

E11.3 Type 2 diabetes mellitus with ophthalmic complications
  E11.31 Type 2 diabetes mellitus with unspecified diabetic retinopathy
Z79.0 Long term (current) use of anticoagulants and antithrombotics/antiplatelets

Excludes2: long term (current) use of aspirin (Z79.82)

Z79.01 Long term (current) use of anticoagulants

Z79.02 Long term (current) use of antithrombotics/antiplatelets

Z79.1 Long term (current) use of non-steroidal anti-inflammatories (NSAID)

Excludes2: long term (current) use of aspirin (Z79.82)

Z79.2 Long term (current) use of antibiotics

Z79.3 Long term (current) use of hormonal contraceptives

Inclusion Term: Long term (current) use of birth control pill or patch

Z79.4 Long term (current) use of insulin

Z79.5 Long term (current) use of steroids

Z79.51 Long term (current) use of inhaled steroids

Z79.52 Long term (current) use of systemic steroids

Z79.8 Other long term (current) drug therapy

Z79.81 Long term (current) use of agents affecting estrogen receptors and estrogen levels

Code first, if applicable:
- malignant neoplasm of breast (C50-)
- malignant neoplasm of prostate (C61)
DFU Coding

Type 2 diabetic patient with chronic diabetic left foot lateral midfoot ulcer with necrosis of muscle. The patient takes insulin on a daily basis.

- **E11.621**  Type 2 diabetes mellitus with left foot ulcer
- **Z79.4**    Long term (current) use of insulin
- **L97.423**  Non-pressure chronic ulcer of left heel and midfoot with necrosis of muscle
DFU Documentation

ICD 9
Chronic Midfoot ulcer in Type 2 diabetic

ICD 10
Chronic, non-pressure left midfoot ulcer with necrosis of muscle in a type 2 diabetic with long term insulin use
ICD 9 vs. ICD 10

Initial encounter for a closed, nondisplaced, Left 2\textsuperscript{nd} toe proximal phalanx fracture

ICD 9: 826.0: Closed fracture of phalanx of foot

ICD 9 documentation:

X-ray shows fracture of phalanx
Fracture, phalanx, closed
Quick Index Crosswalk

The APMA ICD-9/ICD-10 crosswalk tool allows you to cross reference compare ICD-9 to ICD-10 codes found in the Quick Index.

- **ICD-9 to ICD-10**
- **ICD-10 to ICD-9**

Enter Code: 826.0

826.0
Quick Index Crosswalk

The APMA ICD-9/ICD-10 crosswalk tool allows you to cross reference compare ICD-9 to ICD-10 codes found in the Quick Index.

- ICD-9 to ICD-10
- ICD-10 to ICD-9

Enter Code: 826.0

ICD-9 826.0 > ICD-10

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<tr>
<th>Code</th>
<th>Diagnosis</th>
</tr>
</thead>
<tbody>
<tr>
<td>S92.4</td>
<td>Fracture, (hallux) phalanx, closed</td>
</tr>
<tr>
<td>S92.4</td>
<td>Phalangeal fracture (hallux), closed</td>
</tr>
<tr>
<td>S92.5</td>
<td>Fracture, (lesser toe) phalanx, closed</td>
</tr>
<tr>
<td>S92.5</td>
<td>Phalangeal fracture (lesser toe), closed</td>
</tr>
</tbody>
</table>
5+ \textbf{S92.5} Fracture of lesser toe(s)

6+ \textbf{S92.50} Unspecified fracture of lesser toe(s)

7+ \textbf{S92.501} Displaced unspecified fracture of right lesser toe(s)

7+ \textbf{S92.502} Displaced unspecified fracture of left lesser toe(s)

7+ \textbf{S92.503} Displaced unspecified fracture of unspecified lesser toe(s)

7+ \textbf{S92.504} Nondisplaced unspecified fracture of right lesser toe(s)

7+ \textbf{S92.505} Nondisplaced unspecified fracture of left lesser toe(s)

7+ \textbf{S92.506} Nondisplaced unspecified fracture of unspecified lesser toe(s)

6+ \textbf{S92.51} Fracture of proximal phalanx of lesser toe(s)

7+ \textbf{S92.511} Displaced fracture of proximal phalanx of right lesser toe(s)

7+ \textbf{S92.512} Displaced fracture of proximal phalanx of left lesser toe(s)

7+ \textbf{S92.513} Displaced fracture of proximal phalanx of unspecified lesser toe(s)

7+ \textbf{S92.514} Nondisplaced fracture of proximal phalanx of right lesser toe(s)

7+ \textbf{S92.515} Nondisplaced fracture of proximal phalanx of left lesser toe(s)

7+ \textbf{S92.516} Nondisplaced fracture of proximal phalanx of unspecified lesser toe(s)

6+ \textbf{S92.52} Fracture of medial phalanx of lesser toe(s)

7+ \textbf{S92.521} Displaced fracture of medial phalanx of right lesser toe(s)

7+ \textbf{S92.522} Displaced fracture of medial phalanx of left lesser toe(s)

7+ \textbf{S92.523} Displaced fracture of medial phalanx of unspecified lesser toe(s)

7+ \textbf{S92.524} Nondisplaced fracture of medial phalanx of right lesser toe(s)

7+ \textbf{S92.525} Nondisplaced fracture of medial phalanx of left lesser toe(s)

7+ \textbf{S92.526} Nondisplaced fracture of medial phalanx of unspecified lesser toe(s)

6+ \textbf{S92.53} Fracture of distal phalanx of lesser toe(s)

7+ \textbf{S92.531} Displaced fracture of distal phalanx of right lesser toe(s)

7+ \textbf{S92.532} Displaced fracture of distal phalanx of left lesser toe(s)

7+ \textbf{S92.533} Displaced fracture of distal phalanx of unspecified lesser toe(s)
S92 Fracture of foot and toe, except ankle

NOTE
A fracture not indicated as displaced or nondisplaced should be coded to displaced
A fracture not indicated as open or closed should be coded to closed

Excludes1: traumatic amputation of ankle and foot (S98-)

Excludes2: fracture of ankle (S82-)
fracture of malleolus (S82-)

The appropriate 7th character is to be added to each code from category S92
A  initial encounter for closed fracture
B  initial encounter for open fracture
D  subsequent encounter for fracture with routine healing
G  subsequent encounter for fracture with delayed healing
K  subsequent encounter for fracture with nonunion
P  subsequent encounter for fracture with malunion
S  sequela
ICD 9 vs. ICD 10

• Initial encounter for a closed, nondisplaced, Left 2\textsuperscript{nd} toe proximal phalanx fracture

• ICD 10: S92.515A (nondisplaced fracture of proximal phalanx of left lesser toe(s), initial encounter for closed fracture

• Documentation:
• Closed, nondisplaced left 2\textsuperscript{nd} toe proximal phalanx fracture
ICD 9 vs. ICD 10

<table>
<thead>
<tr>
<th>ICD 9</th>
<th>ICD 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fracture, phalanx, closed</td>
<td>Closed, nondisplaced left 2\textsuperscript{nd} toe proximal phalanx fracture</td>
</tr>
</tbody>
</table>
• Non-fracture care
  • A – initial encounter
  • D – subsequent encounter
  • S – sequela

• Fracture care
  • A – initial encounter for closed fracture
  • B – initial encounter for open fracture
  • D – subsequent encounter for normal healing fracture
  • G – subsequent encounter for delayed healing fracture
  • K – subsequent encounter for fracture with non-union
  • P – subsequent encounter for fracture with mal-union
  • S – sequela of fracture
Sequela

• Generally 2 codes need to be used in the following order:
  • The condition or nature of the sequela is coded first.
  • Then the sequela code (what caused it) is second.

———
Sequela of Prior Ankle Sprain

• Chronic left ankle instability following Grade III sprain of the calcaneofibular ligament six months prior.

ICD – 9: 728.4 – Ligamentous Laxity, Ankle
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- ICD-10 User FAQs
- ICD-10 Guidelines
- ICD-10-CM Documentation Library
- ICD Crosswalk

**Feedback / Suggestion:**
M24.3 Pathological dislocation of joint, not elsewhere classified

Excludes1: congenital dislocation or displacement of joint- see congenital malformations and deformations of the musculoskeletal system (Q79)

- current injury - see injury of joints and ligaments by body region
- recurrent dislocation of joint (M24.4-)

M24.30 Pathological dislocation of unspecified joint, not elsewhere classified

M24.31 Pathological dislocation of shoulder, not elsewhere classified

M24.311 Pathological dislocation of right shoulder, not elsewhere classified

M24.312 Pathological dislocation of left shoulder, not elsewhere classified

M24.319 Pathological dislocation of unspecified shoulder, not elsewhere classified

M24.32 Pathological dislocation of elbow, not elsewhere classified

M24.321 Pathological dislocation of right elbow, not elsewhere classified

M24.322 Pathological dislocation of left elbow, not elsewhere classified

M24.329 Pathological dislocation of unspecified elbow, not elsewhere classified

M24.33 Pathological dislocation of wrist, not elsewhere classified

M24.331 Pathological dislocation of right wrist, not elsewhere classified

M24.332 Pathological dislocation of left wrist, not elsewhere classified
• M24.272
**Sprain (ankle), other ligament**

**Sprain (calcaneofibular ligament), ankle**

**Sprain (deloid ligament), ankle**

**Sprain (foot), other**

**Sprain (foot), unspecified**

**Sprain (tibiofibular ligament), ankle**

**Sprain, anterior talofibular ligament**

**Sprain, interphalangeal joint**

**Sprain, metatarsophalangeal joint**
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6+ S93.41 Sprain of calcaneofibular ligament
  7+ S93.411 Sprain of calcaneofibular ligament of right ankle
  7+ S93.412 Sprain of calcaneofibular ligament of left ankle
  7+ S93.419 Sprain of calcaneofibular ligament of unspecified ankle

6+ S93.42 Sprain of deltoid ligament
  7+ S93.421 Sprain of deltoid ligament of right ankle
  7+ S93.422 Sprain of deltoid ligament of left ankle
  7+ S93.429 Sprain of deltoid ligament of unspecified ankle

6+ S93.43 Sprain of tibiofibular ligament
  7+ S93.431 Sprain of tibiofibular ligament of right ankle
  7+ S93.432 Sprain of tibiofibular ligament of left ankle
  7+ S93.439 Sprain of tibiofibular ligament of unspecified ankle

6+ S93.49 Sprain of other ligament of ankle

Inclusion Term: Sprain of internal collateral ligament Sprain of talofibular ligament
  7+ S93.491 Sprain of other ligament of right ankle
  7+ S93.492 Sprain of other ligament of left ankle
  7+ S93.499 Sprain of other ligament of unspecified ankle

5+ S93.5 Sprain of toe
  6+ S93.50 Unspecified sprain of toe
    7+ S93.501 Unspecified sprain of right great toe
    7+ S93.502 Unspecified sprain of left great toe
    7+ S93.503 Unspecified sprain of unspecified great toe
    7+ S93.504 Unspecified sprain of right lesser toe(s)
    7+ S93.505 Unspecified sprain of left lesser toe(s)
S93 Dislocation and sprain of joints and ligaments at ankle, foot and toe level

Includes:
- avulsion of joint or ligament of ankle, foot and toe
- laceration of cartilage, joint or ligament of ankle, foot and toe
- sprain of cartilage, joint or ligament of ankle, foot and toe
- traumatic hemorrhasis of joint or ligament of ankle, foot and toe
- traumatic rupture of joint or ligament of ankle, foot and toe
- traumatic subluxation of joint or ligament of ankle, foot and toe
- traumatic tear of joint or ligament of ankle, foot and toe

Code also any associated open wound

Excludes2: strain of muscle and tendon of ankle and foot (S96.-)

The appropriate 7th character is to be added to each code from category S93
A initial encounter
D subsequent encounter
S sequela
Sequela of Prior Ankle Sprain

ICD-10

- **M24.272**: Disorder of ligament, left ankle
- **S93.412S**: Sprain of calcaneofibular ligament of the left ankle, sequela
<table>
<thead>
<tr>
<th></th>
<th>ICD 9</th>
<th>ICD 10</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Assessment:</strong></td>
<td><em>Ligamentous Laxity, Ankle</em></td>
<td><em>Ligamentous laxity, left ankle as a result of a calcaneofibular ligament sprain</em></td>
</tr>
</tbody>
</table>

**Ligamentous Laxity Documentation**
Thank You!!
Jeffrey D. Lehrman, DPM, FASPS, MAPWCA

APMA Coding Committee
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Resources

• Fife, C.E., MD, FAAFP, CWS. The debridement dilemma returns, http://www.todayswoundclinic.com/debridement-dilemma-returns?page=4,


• Just Coding News. (August 8, 2012). Differentiate between types of wound debridement. JustCoding News: Outpatient

Resources

- Kesselman, P., DPM. (September, 2013). Wound care billing update, Podiatry Management pg 53-59
- Noridian Medicare, Wound care and debridement – Provided by physician, NPP or as incident-to services, https://www.noridianmedicare.com/cgi-bin/coranto/viewnews.cgi?id=EFFZFZyyEpAJGDJCxK&tmpl=part_a_viewnews&style=part_ab_viewnews