

# Supplemental Information

**SUPPLEMENTAL TABLE 2** List of ICD-10 Fracture Diagnostic Codes

ICD-10 Code	Description
S02	Skull fracture
S12	Cervical spine fracture
S220	Thoracic spine fracture
S221	Thoracic spine fracture
S222	Sternum fracture
S223	Rib fracture
S224	Rib fracture
S225	Rib fracture
S228	Rib fracture
S229	Rib fracture
S320	Lumbar spine fracture
S321	Sacrum fracture
S323	Pelvic fracture
S324	Pelvic fracture
S325	Pelvic fracture
S327	Multiple fractures of lumbar spine and pelvis
S328	Other fractures of lumbar spine and pelvis
S4200	Medial clavicle fracture
S4201	Clavicle shaft fracture
S4202	Lateral clavicle fracture
S4209	Other clavicle fracture
S421	Scapula fracture
S422	Proximal humerus fracture
S4230	Humerus shaft fracture
S4239	Other humerus fracture
S424	Distal humerus fracture
S427	Multiple fractures of upper arm
S428	Other fracture of upper arm
S429	Unspecified shoulder girdle fracture
S5200	Proximal ulna fracture (olecranon)
S5201	Proximal ulna fracture (coronoid)
S5202	Monteggia fracture
S5208	Other proximal ulna fracture
S5209	Unspecified proximal ulna fracture
S5210	Proximal radius fracture
S5211	Proximal radius fracture
S5212	Proximal radius and ulna fracture
S5218	Other proximal radius fracture
S5219	Unspecified proximal radius fracture
S522	Ulna shaft fracture
S523	Radius shaft fracture
S524	Ulna and radius shaft fracture
S525	Distal radius fracture
S526	Distal ulna and radius fracture
S527	Multiple forearm fractures
S528	Other forearm fractures
S529	Unspecified forearm fractures
S620	Carpal fracture (navicular/scaphoid)
S621	Carpal fracture (other)
S622	First metacarpal fracture
S623	Metacarpal fracture (other)
S624	Multiple metacarpal fractures
S625	Phalanx fracture
S626	Phalanx fracture
S627	Multiple phalanx fractures
S628	Other wrist and hand fracture
S720	Proximal femur fracture (neck and/or head)
S721	Proximal femur fracture (trochanteric and/or intertrochanteric)
S722	Femur shaft fracture (subtrochanteric)
S723	Femur shaft fracture (shaft)
S724	Metaphyseal femur fracture

SUPPLEMENTAL TABLE 2 Continued

ICD-10 Code	Description
S727	Multiple femur fractures
S728	Other femur fracture
S729	Unspecified femur fracture
S820	Patella fracture
S821	Proximal tibia fracture
S822	Tibia shaft fracture
S823	Distal tibia fracture
S824	Fibula shaft fracture
S825	Medial malleolus fracture
S826	Lateral malleolus fracture
S827	Multiple lower leg fractures
S828	Ankle fracture (bimalleolar, trimalleolar, plafond, and/or NOS)
S829	Unspecified lower leg fracture
S920	Calcaneus fracture
S921	Talus fracture
S922	Tarsal fracture (navicular, cuboid, cuneiform, or other)
S923	Metatarsal fracture
S924	Great toe fracture
S925	Other toe fracture
S927	Multiple foot fractures
S929	Unspecified foot fracture
T02	Polytrauma (multiple fractures of different body segments)
T08	Spine fracture (unspecified)
T10	Upper limb fracture (unspecified)
T12	Lower limb fracture (unspecified)
T14	Unspecified fracture

NOS, not otherwise specified.

SUPPLEMENTAL TABLE 3 Adjusted IRRs From Multivariable Poisson Regression Stratified by Age (Years) During Baseline Year With 95% CIs

Age	Male Versus Female, IRR (95% CI)	Rural Versus Urban, IRR (95% CI)	History of Previous Fracture (Yes Versus No), IRR (95% CI)	Baseline Fracture (Yes Versus No), IRR (95% CI)	Head Injury (Yes Versus No), IRR (95% CI)	Soft-tissue Injury (Yes Versus No), IRR (95% CI)
0	1.11 (1.07–1.15)	1.16 (1.09–1.23)	1.27 (0.66–1.88)	1.72 (1.43–2.01)	1.72 (1.48–1.96)	1.96 (1.87–2.05)
1	1.11 (1.07–1.15)	1.06 (1.01–1.11)	1.78 (1.45–2.11)	1.82 (1.59–2.05)	1.56 (1.35–1.77)	1.97 (1.89–2.05)
2	1.05 (1.01–1.09)	1.05 (1.00–1.10)	1.78 (1.58–1.98)	1.60 (1.40–1.80)	1.34 (1.16–1.52)	2.07 (2.00–2.14)
3	1.07 (1.04–1.10)	1.01 (0.97–1.05)	1.54 (1.40–1.68)	1.70 (1.52–1.88)	1.50 (1.34–1.66)	2.22 (2.15–2.29)
4	1.15 (1.11–1.19)	1.01 (0.97–1.05)	1.69 (1.58–1.80)	1.79 (1.63–1.95)	1.38 (1.25–1.51)	2.24 (2.17–2.31)
5	1.29 (1.25–1.33)	0.95 (0.92–0.98)	1.65 (1.56–1.74)	1.67 (1.53–1.81)	1.52 (1.41–1.63)	2.38 (2.31–2.45)
6	1.51 (1.47–1.55)	0.98 (0.95–1.01)	1.55 (1.48–1.62)	1.49 (1.37–1.61)	1.55 (1.45–1.65)	2.35 (2.29–2.41)
7	1.73 (1.69–1.77)	1.03 (0.99–1.07)	1.51 (1.45–1.57)	1.49 (1.38–1.60)	1.62 (1.53–1.71)	2.32 (2.27–2.37)
8	1.90 (1.86–1.94)	1.01 (0.98–1.04)	1.47 (1.41–1.53)	1.53 (1.42–1.64)	1.51 (1.43–1.59)	2.41 (2.35–2.47)
9	2.13 (2.08–2.18)	1.02 (0.99–1.05)	1.45 (1.40–1.50)	1.54 (1.45–1.63)	1.68 (1.59–1.77)	2.38 (2.32–2.44)
10	2.39 (2.33–2.45)	1.04 (1.01–1.07)	1.45 (1.40–1.50)	1.56 (1.47–1.65)	1.65 (1.57–1.73)	2.32 (2.27–2.37)
11	2.64 (2.57–2.71)	1.05 (1.02–1.08)	1.41 (1.37–1.45)	1.55 (1.47–1.63)	1.60 (1.52–1.68)	2.32 (2.26–2.38)
12	2.69 (2.61–2.77)	1.14 (1.10–1.18)	1.44 (1.39–1.49)	1.55 (1.47–1.63)	1.64 (1.55–1.73)	2.33 (2.27–2.39)
13	2.53 (2.45–2.61)	1.12 (1.08–1.16)	1.44 (1.39–1.49)	1.48 (1.40–1.56)	1.72 (1.62–1.82)	2.35 (2.29–2.41)
14	2.39 (2.31–2.47)	1.18 (1.13–1.23)	1.45 (1.40–1.50)	1.53 (1.44–1.62)	1.74 (1.63–1.85)	2.37 (2.30–2.44)
15	2.34 (2.26–2.42)	1.15 (1.11–1.19)	1.38 (1.33–1.43)	1.50 (1.40–1.60)	1.95 (1.82–2.08)	2.37 (2.30–2.44)