The Registry of Senior Australians (ROSA)
South Australian Health and Medical Research Institute
PO Box 11060

Adelaide, South Australia 5001 Ph: +61 8 8128 4662

E: ROSA@sahmri.com

Indicator: Fractures

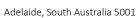
Data Sources	Definition	Numerator	Denominator	Comments	Covariates
SA APC,	Proportion of home	Number of home care	Number of		Age, sex,
SA NAEC,	care recipients who	recipients who had a	home care		number of
NSW APDC,	had experienced at	fracture requiring an	recipients.		health
NSW EDDC,	least one fracture.	emergency department			conditions,
VAED,		presentation or			dementia,
VAMD,		hospitalisation (Table 1),			osteoporosis*
QLD EDC,		or secondary diagnosis			(Table 3).
QHAPDC,		where onset is not during			
MBS,		the hospitalisation, the			
NDI.		external cause of the			
		hospitalisation is fall,			
		treatment for which MBS			
		paid for (Table 2), and			
		deaths from fractures			
		(Table 1).			

^{*}Osteoporosis diagnosis ascertained from Rx-Risk-V in 6 months prior to home care episode (for list of osteoporosis medications, see Table 3).

SA APC: South Australian Admitted Patient Care; SA NAEC: South Australian Non-Admitted Emergency Care; NSW APDC: New South Wales Admitted Patient Data Collection; NSW EDDC: New South Wales Emergency Department Data Collection; VAED: Victorian Admitted Episodes Dataset; VEMD: Victorian Emergency Minimum Dataset; QLD EDC: Queensland Emergency Department Collection; QHAPDC: Queensland Hospital Admitted Patient Data Collection; MBS: Medicare Benefits Schedule; NDI: National Death Index.

Table 1. Fractures, Descriptions and ICD-10-AM Codes.

Description	Code
Open wound (of any part of head) communicating with a fracture	S01.81
Fractures of skull and facial bones	S02*
Fractures of neck	S12*
Open wound (of any part of thorax) communicating with a fracture	S21.81
Fracture of rib(s), sternum and thoracic spine	S22*
Open wound (of any part of lower back and pelvis) communicating with a fracture	S31.81
Fracture of lumbar spine and pelvis	S32*
Open wound (of any part of shoulder and upper arm) communicating with a fracture	S41.81
Fracture of shoulder and upper arm	S42*
Open wound (of any part of forearm) communicating with a fracture	S51.81
Fracture of forearm	S52*
Open wound (of any part of wrist and hand) communicating with a fracture	S61.81
Fracture of wrist and hand level	S62*
Open wound (of any part of hip and thigh) communicating with a fracture	S71.81
Fracture of femur	S72*



W.	ROSA
1/1/4	REGISTRY OF SENIOR AUSTRALIANS

Open wound (of any part of lower leg) communicating with a fracture	S81.81
Fracture of lower leg including ankle	S82*
Open wound (of any part of ankle and foot) communicating with a fracture	S91.81
Fracture of foot, except ankle	S92*
Fractures involving multiple body regions	T02*
Fracture of spine, level unspecified	T08*
Fracture of upper limb, level unspecified	T10*
Fracture of lower limb, level unspecified	T12*
Fracture of unspecified body region	T14.2*

ICD-10-AM: International Classification of Diseases, Tenth Revision, Australian Modification.

Table 2. Non-surgical and Surgical Treatment of Fractures, Descriptions and MBS Codes.

Description	Code
FRACTURED SKULL, depressed or comminuted, operation for	39606
FRACTURED SKULL, compound, without dural penetration, operation for	39609
FRACTURED SKULL, compound, depressed or complicated, with dural penetration and brain	
laceration, operation for	39612
FRACTURED SKULL with rhinorrhoea or otorrhoea, repair of by cranioplasty or endoscopic approach	39615
MAXILLA, unilateral or bilateral, treatment of fracture of, not requiring splinting	45975
MANDIBLE, treatment of fracture of, not requiring splinting	45978
ZYGOMATIC BONE, treatment of fracture of, not requiring surgical reduction	45981
MAXILLA, treatment of a complicated fracture of, involving viscera, blood vessels or nerves requiring open reduction not involving plate(s)	45984
MANDIBLE, treatment of a complicated fracture of, involving viscera, blood vessels or nerves,	13301
requiring open reduction not involving plate(s)	45987
MAXILLA, treatment of a complicated fracture of, involving viscera, blood vessels or nerves requiring open reduction involving the use of plate(s)	45990
MANDIBLE, treatment of a complicated fracture of, involving viscera, blood vessels or nerves,	
requiring open reduction involving the use of plate(s)	45993
MANDIBLE, treatment of a closed fracture of, involving a joint surface	45996
MALLET FINGER with intra articular fracture involving more than one third of base of terminal phalanx - open reduction	46442
RADIOULNAR JOINT, DISTAL or PROXIMAL, treatment of dislocation of, by closed reduction, not being a service associated with fracture or dislocation in the same region	47024
RADIOULNAR JOINT, DISTAL or PROXIMAL, treatment of dislocation of, by open reduction, not being	-
a service associated with fracture or dislocation in the same region	47027
DISTAL PHALANX of FINGER or THUMB, treatment of fracture of, by closed reduction, including	
percutaneous fixation where used	47300
Phalanx, middle or proximal, treatment of fracture of, by closed reduction, requiring anaesthesia, not provided on the same occasion as a service described in item 47304, 47307, 47310, 47313,	
47316 or 47319	47301
DISTAL PHALANX of FINGER or THUMB, treatment of intra-articular fracture of, by closed reduction	47303





DISTAL PHALANX of FINGER or THUMB, treatment of fracture of, by open reduction	47306
Phalanx or metacarpal, treatment of fracture of, by closed reduction with percutaneous K wire fixation	47307
DISTAL PHALANX of FINGER or THUMB, treatment of intra-articular fracture of, by open reduction	47309
Phalanx or metacarpal, treatment of fracture of, by open reduction with fixation	47310
MIDDLE PHALANX of FINGER, treatment of fracture of, by closed reduction	47312
Phalanx or metacarpal, treatment of intra articular fracture of, by closed reduction with percutaneous K wire fixation	47313
MIDDLE PHALANX of FINGER, treatment of intra-articular fracture of, by closed reduction	47315
Phalanx or metacarpal, treatment of intra articular fracture of, by open reduction with fixation, not provided on the same occasion as a service to which item 47319 applies	47316
MIDDLE PHALANX OF FINGER, treatment of fracture of, by open reduction	47318
MIDDLE PHALANX OF FINGER, treatment of intra-articular fracture of, by open reduction	47321
PROXIMAL PHALANX OF FINGER OR THUMB, treatment of fracture of, by closed reduction	47324
PROXIMAL PHALANX OF FINGER OR THUMB, treatment of intra-articular fracture of, by closed reduction	47327
PROXIMAL PHALANX OF FINGER OR THUMB, treatment of fracture of, by open reduction	47330
PROXIMAL PHALANX OF FINGER OR THUMB, treatment of intra-articular fracture of, by open operation	47333
METACARPAL, treatment of fracture of, by closed reduction	47336
METACARPAL, treatment of intra-articular fracture of, by closed reduction	47339
METACARPAL, treatment of fracture of, by open reduction	47342
METACARPAL, treatment of intra-articular fracture of, by open reduction	47345
CARPUS (excluding scaphoid), treatment of fracture of, not being a service to which item 47351 applies	47348
CARPUS (excluding scaphoid), treatment of fracture of, by open reduction	47351
CARPAL SCAPHOID, treatment of fracture of, not being a service to which item 47357 applies	47354
CARPAL SCAPHOID, treatment of fracture of, by open reduction	47357
RADIUS OR ULNA, distal end of, treatment of fracture of, by cast immobilisation, not being a service to which item 47363 or 47366 applies	47360
Radius or ulna, or radius and ulna, distal end of, treatment of fracture of, by cast immobilisation, other than a service associated with a service to which item 47362, 47364, 47367, 47370 or 47373 applies	47361
Radius or ulna, or radius and ulna, distal end of, treatment of fracture of, by closed reduction, requiring general or major regional anaesthesia, but excluding local infiltration, other than a service associated with a service to which item 47361, 47364, 47367, 47370 or 47373 applies	47362
RADIUS OR ULNA, distal end of, treatment of fracture of, by closed reduction	47363
Radius or ulna, distal end of, not involving joint surface, treatment of fracture of, by open reduction with fixation, other than a service associated with a service to which item 47361 or 47362 applies	47364
RADIUS OR ULNA, distal end of, treatment of fracture of, by open reduction	47366
Radius, distal end of, treatment of fracture of, by closed reduction with percutaneous fixation, other	
than a service associated with a service to which item 47361 or 47362 applies	47367





RADIUS, distal end of, treatment of Colles', Smith's or Barton's fracture of, by cast immobilisation,	47260
not being a service to which item 47372 or 47375 applies	47369
Radius, distal end of, treatment of intra articular fracture of, by open reduction with fixation, other than a service associated with a service to which item 47361 or 47362 applies	47370
RADIUS, distal end of, treatment of Colles', Smith's or Barton's fracture, by closed reduction	47372
Ulna, distal end of, treatment of intra articular fracture of, by open reduction with fixation, other than a service associated with a service to which item 47361 or 47362 applies	47373
RADIUS, distal end of, treatment of Colles', Smith's or Barton's fracture of, by open reduction	47375
RADIUS OR ULNA, shaft of, treatment of fracture of, by cast immobilisation, not being a service to which item 47381, 47384, 47385 or 47386 applies	47378
RADIUS OR ULNA, shaft of, treatment of fracture of, by closed reduction undertaken in the operating theatre of a hospital	47381
RADIUS OR ULNA, shaft of, treatment of fracture of, by open reduction	47384
RADIUS OR ULNA, shaft of, treatment of fracture of, in conjunction with dislocation of distal radio- ulnar joint or proximal radio-humeral joint (Galeazzi or Monteggia injury), by closed reduction undertaken in the operating theatre of a hospital	47385
RADIUS OR ULNA, shaft of, treatment of fracture of, in conjunction with dislocation of distal radio- ulnar joint or proximal radio-humeral joint (Galeazzi or Monteggia injury), by open reduction or	
internal fixation	47386
RADIUS AND ULNA, shafts of, treatment of fracture of, by cast immobilisation, not being a service to which item 47390 or 47393 applies	
RADIUS AND ULNA, shafts of, treatment of fracture of, by closed reduction undertaken in the operating theatre of a hospital	47390
RADIUS AND ULNA, shafts of, treatment of fracture of, by open reduction	47393
OLECRANON, treatment of fracture of, not being a service to which item 47399 applies	47396
OLECRANON, treatment of fracture of, by open reduction	47399
OLECRANON, treatment of fracture of, involving excision of olecranon fragment and reimplantation of tendon	47402
RADIUS, treatment of fracture of head or neck of, closed reduction of	47405
RADIUS, treatment of fracture of head or neck of, open reduction of, including internal fixation and excision where performed	47408
HUMERUS, treatment of fracture of tuberosity of, not being a service to which item 47417 applies	47411
HUMERUS, treatment of fracture of tuberosity of, by open reduction	47414
HUMERUS, treatment of fracture of tuberosity of, and associated dislocation of shoulder, by closed reduction	47417
HUMERUS, treatment of fracture of tuberosity of, and associated dislocation of shoulder, by open reduction	47420
HUMERUS, proximal, treatment of fracture of, not being a service to which item 47426, 47429 or 47432 applies	47423
HUMERUS, proximal, treatment of fracture of, by closed reduction, undertaken in the operating theatre of a hospital	47426
HUMERUS, proximal, treatment of fracture of, by open reduction	47429
HUMERUS, proximal, treatment of intra-articular fracture of, by open reduction	47432





HUMERUS, proximal, treatment of fracture of, and associated dislocation of shoulder, by closed	
reduction	47435
HUMERUS, proximal, treatment of fracture of, and associated dislocation of shoulder, by open	
reduction	47438
HUMERUS, proximal, treatment of intra-articular fracture of, and associated dislocation of shoulder,	
by open reduction	47441
HUMERUS, shaft of, treatment of fracture of, not being a service to which item 47447 or 47450	
applies	47444
HUMERUS, shaft of, treatment of fracture of, by closed reduction, undertaken in the operating	47447
theatre of a hospital	47447
HUMERUS, shaft of, treatment of fracture of, by internal or external fixation	47450
HUMERUS, shaft of, treatment of fracture of, by intramedullary fixation	47451
HUMERUS, distal, (supracondylar or condylar), treatment of fracture of, not being a service to which item 47456 or 47459 applies	47453
HUMERUS, distal (supracondylar or condylar), treatment of fracture of, by closed reduction,	
undertaken in the operating theatre of a hospital	47456
HUMERUS, distal (supracondylar or condylar), treatment of fracture of, by open reduction,	
undertaken in the operating theatre of a hospital	47459
CLAVICLE, treatment of fracture of, not being a service to which item 47465 applies	47462
CLAVICLE, treatment of fracture of, by open reduction	47465
STERNUM, treatment of fracture of, not being a service to which item 47467 applies	47466
STERNUM, treatment of fracture of, by open reduction	47467
SCAPULA, neck or glenoid region of, treatment of fracture of, by open reduction	47468
RIBS (1 or more), treatment of fracture of - each attendance	47471
PELVIC RING, treatment of fracture of, not involving disruption of pelvic ring or acetabulum	47474
PELVIC RING, treatment of fracture of, with disruption of pelvic ring or acetabulum	47477
PELVIC RING, treatment of fracture of, requiring traction	47480
PELVIC RING, treatment of fracture of, requiring control by external fixation	47483
PELVIC RING, treatment of fracture of, by open reduction and involving internal fixation of anterior	
segment, including diastasis of pubic symphysis	47486
PELVIC RING, treatment of fracture of, by open reduction and involving internal fixation of posterior	
segment (including sacro-iliac joint), with or without fixation of anterior segment	47489
ACETABULUM, treatment of fracture of, and associated dislocation of hip	47492
ACETABULUM, treatment of fracture of, and associated dislocation of hip, requiring traction	47495
ACETABULUM, treatment of fracture of, and associated dislocation of hip, requiring internal fixation,	
with or without traction	47498
ACETABULUM, treatment of single column fracture of, by open reduction and internal fixation,	
including any osteotomy, osteectomy or capsulotomy required for exposure and subsequent repair,	.==::
and excluding services to which item 47933 or 47936 apply	47501
ACETABULUM, treatment of T-shape fracture of, by open reduction and internal fixation, including	
any osteotomy, osteectomy or capsulotomy required for exposure and subsequent repair, and excluding services to which item 47933 or 47936 apply	47504
excluding services to willer term 47555 or 47550 appro	F/304





ACETABULUM, treatment of transverse fracture of, by open reduction and internal fixation, including	
any osteotomy, osteectomy or capsulotomy required for exposure and subsequent repair, and	47507
excluding services to which item 47933 or 47936 apply	47507
ACETABULUM, treatment of double column fracture of, by open reduction and internal fixation, including any osteotomy, osteectomy or capsulotomy required for exposure and subsequent repair,	
and excluding services to which item 47933 or 47936 apply	47510
	47516
FEMUR, treatment of fracture of, by closed reduction or traction	
FEMUR, treatment of trochanteric or subcapital fracture of, by internal fixation	47519
FEMUR, treatment of subcapital fracture of, by hemi-arthroplasty	47522
FEMUR, treatment of fracture of, for slipped capital femoral epiphysis	47525
FEMUR, treatment of fracture of, by internal fixation or external fixation	47528
FEMUR, treatment of fracture of shaft, by intramedullary fixation and cross fixation	47531
FEMUR, condylar region of, treatment of intra-articular (T-shaped condylar) fracture of, requiring	
internal fixation, with or without internal fixation of 1 or more osteochondral fragments	47534
FEMUR, condylar region of, treatment of fracture of, requiring internal fixation of 1 or more	
	47537
TIBIA, plateau of, treatment of medial or lateral fracture of, not being a service to which item 47546	
or 47549 applies	47543
TIBIA, plateau of, treatment of medial or lateral fracture of, by closed reduction	47546
TIBIA, plateau of, treatment of medial or lateral fracture of, by open reduction	47549
TIBIA, plateau of, treatment of both medial and lateral fractures of, not being a service to which item	
47555 or 47558 applies	47552
TIBIA, plateau of, treatment of both medial and lateral fractures of, by closed reduction	47555
TIBIA, plateau of, treatment of both medial and lateral fractures of, by open reduction	47558
TIBIA, shaft of, treatment of fracture of, by cast immobilisation, not being a service to which item	
47564, 47567, 47570 or 47573 applies	47561
TIBIA, shaft of, treatment of fracture of, by closed reduction, with or without treatment of fibular	
fracture	47564
TIBIA, shaft of, treatment of fracture of, by internal fixation or external fixation	47565
TIBIA, shaft of, treatment of fracture of, by intramedullary fixation and cross fixation	47566
TIBIA, shaft of, treatment of intra-articular fracture of, by closed reduction, with or without	
treatment of fibular fracture	47567
TIBIA, shaft of, treatment of fracture of, by open reduction, with or without treatment of fibular	
fracture	47570
TIBIA, shaft of, treatment of intra-articular fracture of, by open reduction, with or without treatment of fibula fracture	47573
FIBULA, treatment of fracture of	47576
PATELLA, treatment of fracture of, not being a service to which item 47582 or 47585 applies	47579
PATELLA, treatment of fracture of, by excision of patella or pole with reattachment of tendon	47582
PATELLA, treatment of fracture of, by internal fixation	47585
KNEE JOINT, treatment of fracture of, by internal fixation of intra-articular fractures of femoral	
condylar or tibial articular surfaces and requiring repair or reconstruction of 1 or more ligaments	47588





KNEE JOINT, treatment of fracture of, by internal fixation of intra-articular fractures of femoral	47504
condylar and tibial articular surfaces and requiring repair or reconstruction of 1 or more ligaments	47591
ANKLE JOINT, treatment of fracture of, not being a service to which item 47597 applies	47594
ANKLE JOINT, treatment of fracture of, by closed reduction	47597
ANKLE JOINT, treatment of fracture of, by internal fixation of 1 of malleolus, fibula or diastasis	47600
ANKLE JOINT, treatment of fracture of, by internal fixation of more than 1 of malleolus, fibula or diastasis	47603
CALCANEUM OR TALUS, treatment of fracture of, not being a service to which item 47609, 47612, 47615 or 47618 applies, with or without dislocation	47606
CALCANEUM OR TALUS, treatment of fracture of, by closed reduction, with or without dislocation	47609
CALCANEUM OR TALUS, treatment of intra-articular fracture of, by closed reduction, with or without dislocation	47612
CALCANEUM OR TALUS, treatment of fracture of, by open reduction, with or without dislocation	47615
CALCANEUM OR TALUS, treatment of intra-articular fracture of, by open reduction, with or without	
dislocation	47618
TARSO-METATARSAL, treatment of intra-articular fracture of, by closed reduction, with or without dislocation	47621
TARSO-METATARSAL, treatment of fracture of, by open reduction, with or without dislocation	47624
TARSUS (excluding calcaneum or talus), treatment of fracture of	47627
TARSUS (excluding calcaneum or talus), treatment of fracture of, by open reduction, with or without dislocation	47630
METATARSAL, 1 of, treatment of fracture of	47633
METATARSAL, 1 of, treatment of fracture of, by closed reduction	47636
METATARSAL, 1 of, treatment of fracture of, by open reduction	47639
METATARSALS, 2 of, treatment of fracture of	47642
METATARSALS, 2 of, treatment of fracture of, by closed reduction	47645
METATARSALS, 2 of, treatment of fracture of, by open reduction	47648
METATARSALS, 3 or more of, treatment of fracture of	47651
METATARSALS, 3 or more of, treatment of fracture of, by closed reduction	47654
METATARSALS, 3 or more of, treatment of fracture of, by open reduction	47657
PHALANX OF GREAT TOE, treatment of fracture of, by closed reduction	47663
PHALANX OF GREAT TOE, treatment of fracture of, by open reduction	47666
PHALANX OF TOE (other than great toe), 1 of, treatment of fracture of, by open reduction	47672
PHALANX OF TOE (other than great toe), more than 1 of, treatment of fracture of, by open reduction	47678
SPINE (excluding sacrum), treatment of fracture of transverse process, vertebral body, or posterior	
elements - each attendance	47681
SPINE, treatment of fracture, dislocation or fracture-dislocation, without spinal cord involvement, with immobilisation by calipers or halo	47684
SPINE, treatment of fracture, dislocation or fracture-dislocation, with spinal cord involvement, with	
immobilisation by calipers or halo, and including up to 14 days post-operative care	47687
SPINE, treatment of fracture, dislocation or fracture-dislocation, without cord involvement, with	47600
immobilisation by calipers or halo, requiring reduction by closed manipulation	47690



Ph: +61 8 8128 4662

E: ROSA@sahmri.com



SPINE, treatment of fracture, dislocation or fracture-dislocation, with cord involvement, with	
immobilisation by calipers or halo, requiring reduction by closed manipulation, including up to 14	
, , , ,	47693
SPINE, reduction of fracture or dislocation of, without cord involvement, undertaken in the	
	47696
SPINE, treatment of fracture, dislocation or fracture-dislocation, without cord involvement, requiring	
	47699
SPINE, treatment of fracture, dislocation or fracture-dislocation, with cord involvement, requiring open reduction with or without internal fixation, including up to 14 days post-operative care	47702
	47703
	47703
NASAL BONES, treatment of fracture of, not being a service to which item 47738 or 47741 applies - each attendance	47735
NASAL BONES, treatment of fracture of, by reduction	47738
	47741
MAXILLA, treatment of fracture of, requiring splinting, wiring of teeth, circumosseous fixation or	
external fixation	47753
MANDIBLE, treatment of fracture of, requiring splinting, wiring of teeth, circumosseous fixation or external fixation	47756
ZYGOMATIC BONE, treatment of fracture of, requiring surgical reduction by a temporal, intra-oral or other approach	47762
ZYGOMATIC BONE, treatment of fracture of, requiring surgical reduction and involving internal or	47702
	47765
ZYGOMATIC BONE, treatment of fracture of, requiring surgical reduction and involving internal or	
	47768
ZYGOMATIC BONE, treatment of fracture of, requiring surgical reduction and involving internal or external fixation or both at 3 sites	47771
MAXILLA, treatment of fracture of, requiring open operation	47774
MANDIBLE, treatment of fracture of, requiring open reduction	47777
MAXILLA, treatment of fracture of, requiring open reduction and internal fixation not involving	
	47780
MANDIBLE, treatment of fracture of, requiring open reduction and internal fixation not involving	
plate(s)	47783
MAXILLA, treatment of fracture of, requiring open reduction and internal fixation involving plate(s)	47786
MANDIBLE, treatment of fracture of, requiring open reduction and internal fixation involving plate(s)	47789
HIP, treatment of a fracture of the femur where revision total hip replacement is required as part of	
the treatment of the fracture (not including intra-operative fracture), being a service associated with	
a service to which items 49324 to 49333 apply	49336
MAXILLA, unilateral or bilateral, treatment of fracture of, not requiring splinting	53400
MANDIBLE, treatment of fracture of, not requiring splinting	53403
MAXILLA, treatment of fracture of, requiring splinting, wiring of teeth, circumosseous fixation or	
	53406
MANDIBLE, treatment of fracture of, requiring splinting, wiring of teeth, circumosseous fixation or external fixation	53409
ZYGOMATIC BONE, treatment of fracture of, not requiring surgical reduction	53410



The Registry of Senior Australians (ROSA) South Australian Health and Medical Research Institute PO Box 11060

Adelaide, South Australia 5001 Ph: +61 8 8128 4662

E: ROSA@sahmri.com

ZYGOMATIC BONE, treatment of fracture of, requiring surgical reduction by a temporal, intra-oral or	
other approach	53411
ZYGOMATIC BONE, treatment of fracture of, requiring surgical reduction and involving internal or	
external fixation at 1 site	53412
ZYGOMATIC BONE, treatment of fracture of, requiring surgical reduction and involving internal or	
external fixation or both at 2 sites	53413
ZYGOMATIC BONE, treatment of fracture of, requiring surgical reduction and involving internal or	
external fixation or both at 3 sites	53414
MAXILLA, treatment of fracture of, requiring open reduction	53415
MANDIBLE, treatment of fracture of, requiring open reduction	53416
MAXILLA, treatment of fracture of, requiring open reduction and internal fixation not involving	
plate(s)	53418
MANDIBLE, treatment of fracture of, requiring open reduction and internal fixation not involving	
plate(s)	53419
MAXILLA, treatment of fracture of, requiring open reduction and internal fixation involving plate(s)	53422
MANDIBLE, treatment of fracture of, requiring open reduction and internal fixation involving plate(s)	53423
MAXILLA, treatment of a complicated fracture of, involving viscera, blood vessels or nerves,	
requiring open reduction not involving plate(s)	53424
MANDIBLE, treatment of a complicated fracture of, involving viscera, blood vessels or nerves,	
requiring open reduction not involving plate(s)	53425
MAXILLA, treatment of a complicated fracture of, involving viscera, blood vessels or nerves,	
requiring open reduction involving the use of plate(s)	53427
MANDIBLE, treatment of a complicated fracture of, involving viscera, blood vessels or nerves,	
requiring open reduction involving the use of plate(s)	53429
MANDIBLE, treatment of a closed fracture of, involving a joint surface	53439
NASAL BONES, treatment of fracture of, not being a service to which item 53459 or 53460 applies	53458
NASAL BONES, treatment of fracture of, by reduction	53459
NASAL BONES, treatment of fractures of, by open reduction involving osteotomies	53460
MADS: Madienra Danefite Schodula, NDI: National Dooth Indov	•

MBS: Medicare Benefits Schedule. NDI: National Death Index.

The Registry of Senior Australians (ROSA)
South Australian Health and Medical Research Institute
PO Box 11060

Adelaide, South Australia 5001 Ph: +61 8 8128 4662

E: ROSA@sahmri.com

Table 3. Osteoporosis Medications, Descriptions and ATC Codes.

Description*	Code
Bisphosphonates and bisphosphonates combinations	M05BA01-M05BB05
Strontium ranelate	M05BX03
Denosumab	M05BX04
Raloxifene	G03XC01
Teriparatide	H05AA02

^{*}Determined using 6 months of PBS prescription data prior to prior to home care episode (Rx-Risk-V).

ATC: Anatomical Therapeutic Chemical Classification System.

Suggested citation: Registry of Senior Australians. Home Care Outcome Monitoring System Technical Specification - Fractures. Version 2.0. South Australian Health and Medical Research Institute. Adelaide, Australia; February 2024, 10 pages.

Any enquires about, or comments on, this Technical Specification document should be directed to:

Registry of Senior Australians (ROSA) South Australian Health and Medical Research Institute PO Box 11060, Adelaide SA 5001

Ph: +61 (08) 8128 4662 Email: ROSA.OMS@sahmri.com

Website: https://rosaresearch.org/