

The following content was supplied by the authors as supporting material and has not been copy-edited or verified by JBJS.

Supplemental Table 1 - ICD Diagnosis and Procedure Codes

ICD-9 Diagnosis Codes	ICD-10 Diagnosis Codes
820.00 Closed fracture of intracapsular section of neck of femur, unspecified	S72.019A Unspecified intracapsular fracture of unspecified femur, initial encounter for closed fracture
820.01 Closed fracture of epiphysis (separation) (upper) of neck of femur	S72.023A Displaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for closed fracture S72.026A Nondisplaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for closed fracture
820.02 Closed fracture of midcervical section of neck of femur	S72.033A Displaced midcervical fracture of unspecified femur, initial encounter for closed fracture S72.036A Nondisplaced midcervical fracture of unspecified femur, initial encounter for closed fracture
820.03 Closed fracture of base of neck of femur	S72.043A Displaced fracture of base of neck of unspecified femur, initial encounter for closed fracture S72.046A Nondisplaced fracture of base of neck of unspecified femur, initial encounter for closed fracture
820.09 Other closed transcervical fracture of neck of femur	S72.099A Other fracture of head and neck of unspecified femur, initial encounter for closed fracture
820.10 Open fracture of intracapsular section of neck of femur, unspecified	S72.019B Unspecified intracapsular fracture of unspecified femur, initial encounter for open fracture type I or II S72.019C Unspecified intracapsular fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
820.11 Open fracture of epiphysis (separation) (upper) of neck of femur	S72.023B Displaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type I or II S72.023C Displaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC S72.026B Nondisplaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type I or II S72.026C Nondisplaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
820.12 Open fracture of midcervical section of neck of femur	S72.033B Displaced midcervical fracture of unspecified femur, initial encounter for open fracture type I or II S72.033C Displaced midcervical fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC

	S72.036B Nondisplaced midcervical fracture of unspecified femur, initial encounter for open fracture type I or II S72.036C Nondisplaced midcervical fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
820.13 Open fracture of base of neck of femur	S72.043B Displaced fracture of base of neck of unspecified femur, initial encounter for open fracture type I or II S72.043C Displaced fracture of base of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC S72.046B Nondisplaced fracture of base of neck of unspecified femur, initial encounter for open fracture type I or II S72.046C Nondisplaced fracture of base of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
820.19 Other open transcervical fracture of neck of femur	S72.099B Other fracture of head and neck of unspecified femur, initial encounter for open fracture type I or II S72.099C Other fracture of head and neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC
820.8 Closed fracture of unspecified part of neck of femur	S72.009A Fracture of unspecified part of neck of unspecified femur, initial encounter for closed fracture
820.9 Open fracture of unspecified part of neck of femur	S72.009B Fracture of unspecified part of neck of unspecified femur, initial encounter for open fracture type I or II S72.009C Fracture of unspecified part of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC

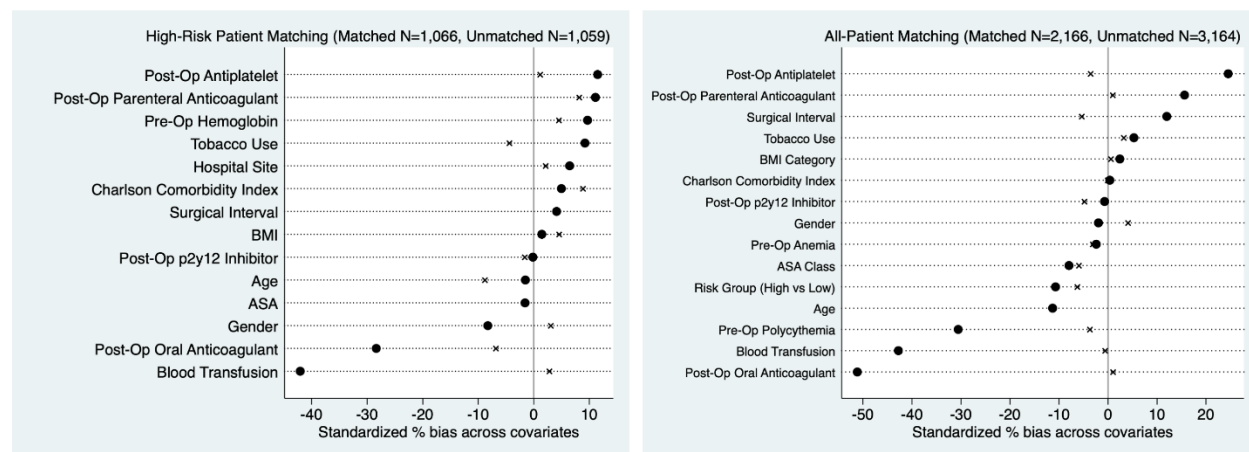
ICD-9 Procedure Codes	ICD-10 Procedure Codes
00.74 Hip bearing surface, metal-on-polyethylene	n/a
00.75 Hip bearing surface, metal-on-metal	n/a
00.76 Hip bearing surface, ceramic-on-ceramic	n/a
00.77 Hip bearing surface, ceramic-on-polyethylene	n/a
81.51 Total hip replacement	0SR90J9 Replacement of Right Hip Joint with Synthetic Substitute, Cemented, Open Approach 0SR90JA Replacement of Right Hip Joint with Synthetic Substitute, Uncemented, Open Approach 0SR90JZ Replacement of Right Hip Joint with Synthetic Substitute, Open Approach 0SRB0J9 Replacement of Left Hip Joint with Synthetic Substitute, Cemented, Open Approach 0SRB0JA Replacement of Left Hip Joint with Synthetic Substitute, Uncemented, Open Approach 0SRB0JZ Replacement of Left Hip Joint with Synthetic Substitute, Open Approach

81.52 Partial hip replacement	OSRA009 Replacement of Right Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Cemented, Open Approach OSRA00A Replacement of Right Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Uncemented, Open Approach OSRA00Z Replacement of Right Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Open Approach OSRA019 Replacement of Right Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Cemented, Open Approach OSRA01A Replacement of Right Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Uncemented, Open Approach OSRA01Z Replacement of Right Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Open Approach OSRA039 Replacement of Right Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Cemented, Open Approach OSRA03A Replacement of Right Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Uncemented, Open Approach OSRA03Z Replacement of Right Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Open Approach OSRA0J9 Replacement of Right Hip Joint, Acetabular Surface with Synthetic Substitute, Cemented, Open Approach OSRA0JA Replacement of Right Hip Joint, Acetabular Surface with Synthetic Substitute, Uncemented, Open Approach OSRA0JZ Replacement of Right Hip Joint, Acetabular Surface with Synthetic Substitute, Open Approach OSRE009 Replacement of Left Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Cemented, Open Approach OSRE00A Replacement of Left Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Uncemented, Open Approach OSRE00Z Replacement of Left Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Open Approach OSRE019 Replacement of Left Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Cemented, Open Approach OSRE01A Replacement of Left Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Uncemented, Open Approach OSRE01Z Replacement of Left Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Open Approach OSRE039 Replacement of Left Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Cemented, Open Approach OSRE03A Replacement of Left Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Uncemented, Open Approach OSRE03Z Replacement of Left Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Open Approach
-------------------------------	---

	OSRE0J9 Replacement of Left Hip Joint, Acetabular Surface with Synthetic Substitute, Cemented, Open Approach
	OSRE0JA Replacement of Left Hip Joint, Acetabular Surface with Synthetic Substitute, Uncemented, Open Approach
	OSRE0JZ Replacement of Left Hip Joint, Acetabular Surface with Synthetic Substitute, Open Approach
	OSRR019 Replacement of Right Hip Joint, Femoral Surface with Metal Synthetic Substitute, Cemented, Open Approach
	OSRR01A Replacement of Right Hip Joint, Femoral Surface with Metal Synthetic Substitute, Uncemented, Open Approach
	OSRR01Z Replacement of Right Hip Joint, Femoral Surface with Metal Synthetic Substitute, Open Approach
	OSRR039 Replacement of Right Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Cemented, Open Approach
	OSRR03A Replacement of Right Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Uncemented, Open Approach
	OSRR03Z Replacement of Right Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Open Approach
	OSRR0J9 Replacement of Right Hip Joint, Femoral Surface with Synthetic Substitute, Cemented, Open Approach
	OSRR0JA Replacement of Right Hip Joint, Femoral Surface with Synthetic Substitute, Uncemented, Open Approach
	OSRR0JZ Replacement of Right Hip Joint, Femoral Surface with Synthetic Substitute, Open Approach
	OSRS019 Replacement of Left Hip Joint, Femoral Surface with Metal Synthetic Substitute, Cemented, Open Approach
	OSRS01A Replacement of Left Hip Joint, Femoral Surface with Metal Synthetic Substitute, Uncemented, Open Approach
	OSRS01Z Replacement of Left Hip Joint, Femoral Surface with Metal Synthetic Substitute, Open Approach
	OSRS039 Replacement of Left Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Cemented, Open Approach
	OSRS03A Replacement of Left Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Uncemented, Open Approach
	OSRS03Z Replacement of Left Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Open Approach
	OSRS0J9 Replacement of Left Hip Joint, Femoral Surface with Synthetic Substitute, Cemented, Open Approach
	OSRS0JA Replacement of Left Hip Joint, Femoral Surface with Synthetic Substitute, Uncemented, Open Approach
	OSRS0JZ Replacement of Left Hip Joint, Femoral Surface with Synthetic Substitute, Open Approach

Supplemental Table 2. Post-Operative Anticoagulants and Antiplatelet Agents

Drug Category	Drug Name
Oral anticoagulant agents	Warfarin
	Dabigatran
	Rivaroxaban
	Apixaban
	Edoxaban
Parenteral anticoagulant agents	Heparin
	Enoxaparin
	Fondaparinux
	Argatroban
	Bivalirudin
	Dalteparin
Antiplatelet agents	Aspirin
	Cilostazol
	Vorapaxar
	Dipyridamole
P2Y12 inhibitors	Clopidogrel
	Prasugrel
	Ticagrelor
	Cangrelor



Supplemental Figure 1:

Title: Standardized Mean Differences Pre vs. Post Matching

Legend: Unmatched ●, Matched ×