Supplementary Material 2

Table S1: OPCS-4 codes used to identify hip and knee arthroplasty surgery

PRIMARY TO	TAL HIP REPLACEMENT	
4 Character		
Code	<u>Description</u>	
W37.1	Primary total prosthetic replacement of hip joint using cement	
	Other specified total prosthetic replacement of hip joint using	
W37.8	ement	
	Unspecified total prosthetic replacement of hip joint using	
W37.9	cement	
	Primary total prosthetic replacement of hip joint not using	
W38.1	cement	
	Other specified total prosthetic replacement of hip joint not	
W38.8	using cement	
	Unspecified total prosthetic replacement of hip joint not using	
W38.9	cement	
W39.1	Primary total prosthetic replacement of hip joint NEC	
W39.8	Other specified other total prosthetic replacement of hip joint	
W39.9	Unspecified other total prosthetic replacement of hip joint	
	Primary total prosthetic replacement of other joint using	
W43.1	cement NEC	
	Other specified total prosthetic replacement of other joint using	
W43.8	cement NEC	
	Unspecified total prosthetic replacement of other joint using	
W43.9	cement NEC	
	Primary total prosthetic replacement of other joint not using	
W44.1	cement NEC	
W/44 O	Other specified total prosthetic replacement of other joint not	
W44.8	using cement NEC Unspecified total prosthetic replacement of other joint not using	
W44.9	cement NEC	
W45.1	Other primary total prosthetic replacement of other joint NEC	
	Other specified total prosthetic replacement of other joint NEC	
W45.8	 	
W45.9	Unspecified total prosthetic replacement of other joint NEC	
WED 1	Primary prosthetic replacement of articulation of bone using cement NEC	
W52.1	Other specified prosthetic replacement of articulation of bone	
W52.8	using cement NEC	
vv J2.0	Unspecified prosthetic replacement of articulation of bone using	
W52.9	cement NEC	
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Primary prosthetic replacement of articulation of bone not using	
W53.1	cement NEC	
	Other specified prosthetic replacement of articulation of bone	
W53.8	not using cement NEC	

	Unspecified prosthetic replacement of articulation of bone not		
W53.9	using cement NEC		
W54.1	Primary prosthetic replacement of articulation of bone NEC		
	Other specified prosthetic replacement of articulation of bone		
W54.8	NEC		
W54.9	Unspecified prosthetic replacement of articulation of bone NEC		
W/02 1	Primary hybrid prosthetic replacement of hip joint using		
W93.1	cemented acetabular component Other specified hybrid prosthetic replacement of hip joint using		
W93.8	cemented acetabular component		
VV 33.8	Unspecified hybrid prosthetic replacement of hip joint using		
W93.9	cemented acetabular component		
110010	Primary hybrid prosthetic replacement of hip joint using		
W94.1	cemented femoral component		
	Other specified hybrid prosthetic replacement of hip joint using		
W94.8	cemented femoral component		
	Unspecified hybrid prosthetic replacement of hip joint using		
W94.9	cemented femoral component		
	Primary hybrid prosthetic replacement of hip joint using cement		
W95.1	NEC		
	Other specified hybrid prosthetic replacement of hip joint using		
W95.8	cement		
MOE O	Unspecified hybrid prosthetic replacement of hip joint using		
W95.9	cement		
RESURFACING	 G / RECONSTRUCTION		
4 Character			
<u>Code</u>	Description		
W58.1	Primary resurfacing arthroplasty of joint		
W58.8	Other specified reconstruction of joint		
W58.9	Unspecified other reconstruction of joint		
LOCATION O	F SURGERY		
4 Character			
<u>Code</u>	<u>Description</u>		
Z75.6	Acetabulum		
Z76.1	Head of femur		
Z84.3	Hip joint		
REVISION HI	PREPLACEMENT		
4 Character			
<u>Code</u>	<u>Description</u>		

W37.0 replacement of hip joint Conversion to total prosthetic replacement of hip joint using cement Revision of total prosthetic replacement of hip joint using cement Revision of one component of total prosthetic replacement of hip joint using cement Conversion from previous uncemented total prosthetic replacement of hip joint not using cement Conversion to total prosthetic replacement of hip joint not using cement Revision of total prosthetic replacement of hip joint not using cement Revision of total prosthetic replacement of hip joint not using cement Revision of one component of total prosthetic replacement of hip joint NEC Conversion from previous total prosthetic replacement of hip joint NEC W39.2 Conversion to total prosthetic replacement of hip joint NEC Revision of total prosthetic replacement of hip joint NEC Revision of total prosthetic replacement of hip joint NEC Revision of total prosthetic replacement of hip joint NEC Conversion to total prosthetic replacement of hip joint NEC Revision of one component of total prosthetic replacement of hip joint NEC Revision of one total prosthetic replacement of joint NEC Conversion from previous cemented total prosthetic replacement of piont using cement NEC Seminary NEC Revision of total prosthetic replacement of joint using cement NEC Seminary		Conversion from previous cemented total prosthetic		
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Revision of one component of total prosthetic replacement of hip joint NEC Conversion from previous cemented total prosthetic replacement of joint NEC Conversion to total prosthetic replacement of joint using cement NEC Revision of total prosthetic replacement of joint using cement NEC Revision of one component of total prosthetic replacement of joint using cement NEC Revision of one component of total prosthetic replacement of joint using cement NEC Conversion from previous uncemented total prosthetic replacement of joint not using cement NEC Conversion to total prosthetic replacement of joint not using cement NEC Revision of total prosthetic replacement of joint not using cement NEC Revision of total prosthetic replacement of joint not using cement NEC Revision of one component of total prosthetic replacement of joint not using cement NEC Revision of one component of total prosthetic replacement of joint NEC Conversion from previous total prosthetic replacement of joint NEC W44.4 joint not using cement NEC Conversion from previous total prosthetic replacement of joint NEC W45.0 NEC W45.0 NEC Conversion to total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC				
W39.5 hip joint NEC Conversion from previous cemented total prosthetic replacement of joint NEC Conversion to total prosthetic replacement of joint using cement NEC Revision of total prosthetic replacement of joint using cement NEC Revision of one component of total prosthetic replacement of joint using cement NEC Revision of one component of total prosthetic replacement of joint using cement NEC Conversion from previous uncemented total prosthetic replacement of joint NEC Conversion to total prosthetic replacement of joint not using cement NEC Revision of total prosthetic replacement of joint not using cement NEC Revision of total prosthetic replacement of joint not using cement NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC W44.4 joint not using cement NEC Conversion from previous total prosthetic replacement of joint NEC W45.0 NEC W45.1 Revision of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC	W39.3			
Conversion from previous cemented total prosthetic replacement of joint NEC Conversion to total prosthetic replacement of joint using cement NEC Revision of total prosthetic replacement of joint using cement NEC Revision of one component of total prosthetic replacement of joint using cement NEC Revision of one component of total prosthetic replacement of joint using cement NEC Conversion from previous uncemented total prosthetic replacement of joint NEC Conversion to total prosthetic replacement of joint not using cement NEC Revision of total prosthetic replacement of joint not using cement NEC Revision of one component of total prosthetic replacement of joint not using cement NEC Revision of one component of total prosthetic replacement of joint not using cement NEC Conversion from previous total prosthetic replacement of joint NEC H Site code W45.0 Revision of total prosthetic replacement of joint NEC H Site code Revision of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Revision of prosthetic replacement of joint NEC Revision of one component of total prosthetic replacement of joint NEC Conversion to prosthetic replacement of femur using		· · · · · · · · · · · · · · · · · · ·		
W43.0 replacement of joint NEC + Site code Conversion to total prosthetic replacement of joint using cement NEC + Site code Revision of total prosthetic replacement of joint using cement W43.3 NEC + Site code Revision of one component of total prosthetic replacement of joint using cement NEC + Site code Conversion from previous uncemented total prosthetic replacement of joint NEC + Site code Conversion to total prosthetic replacement of joint not using cement NEC + Site code Revision of total prosthetic replacement of joint not using cement NEC + Site code Revision of total prosthetic replacement of joint not using cement NEC + Site code Revision of one component of total prosthetic replacement of joint not using cement NEC + Site code W44.4 joint not using cement NEC + Site code W45.0 NEC + Site code W45.1 Conversion to total prosthetic replacement of joint NEC + Site code W45.2 Conversion to total prosthetic replacement of joint NEC + Site code W45.3 Revision of total prosthetic replacement of joint NEC + Site code Revision of one component of total prosthetic replacement of joint NEC + Site code Revision of prosthetic replacement of joint NEC + Site code Conversion to prosthetic replacement of head of femur using	W39.5			
Conversion to total prosthetic replacement of joint using cement NEC + Site code Revision of total prosthetic replacement of joint using cement NEC + Site code Revision of one component of total prosthetic replacement of joint using cement NEC + Site code Conversion from previous uncemented total prosthetic replacement of joint NEC + Site code Conversion to total prosthetic replacement of joint not using cement NEC + Site code Revision of total prosthetic replacement of joint not using cement NEC + Site code Revision of total prosthetic replacement of joint not using cement NEC + Site code W44.4 joint not using cement NEC + Site code W45.0 NEC + Site code W45.2 Conversion to total prosthetic replacement of joint NEC + Site code W45.3 Revision of total prosthetic replacement of joint NEC + Site code Revision of one component of total prosthetic replacement of joint NEC + Site code Revision of one component of total prosthetic replacement of joint NEC + Site code Conversion to total prosthetic replacement of joint NEC + Site code Revision of one component of total prosthetic replacement of joint NEC + Site code Conversion to prosthetic replacement of head of femur using		·		
W43.2 cement NEC + Site code Revision of total prosthetic replacement of joint using cement NEC + Site code Revision of one component of total prosthetic replacement of joint using cement NEC + Site code Conversion from previous uncemented total prosthetic replacement of joint NEC + Site code Conversion to total prosthetic replacement of joint not using cement NEC + Site code Revision of total prosthetic replacement of joint not using cement NEC + Site code Revision of one component of total prosthetic replacement of joint not using cement NEC + Site code W44.4 joint not using cement NEC + Site code Conversion from previous total prosthetic replacement of joint W45.0 NEC + Site code W45.2 Conversion to total prosthetic replacement of joint NEC + Site code W45.3 Revision of total prosthetic replacement of joint NEC + Site code Revision of one component of total prosthetic replacement of joint NEC + Site code Conversion to prosthetic replacement of joint NEC + Site code Conversion to prosthetic replacement of head of femur using	W43.0			
Revision of total prosthetic replacement of joint using cement NEC + Site code Revision of one component of total prosthetic replacement of joint using cement NEC + Site code Conversion from previous uncemented total prosthetic replacement of joint NEC + Site code Conversion to total prosthetic replacement of joint not using cement NEC + Site code Revision of total prosthetic replacement of joint not using cement NEC + Site code Revision of one component of total prosthetic replacement of joint not using cement NEC + Site code Conversion from previous total prosthetic replacement of joint NEC + Site code W45.2 Conversion to total prosthetic replacement of joint NEC + Site code Revision of one component of total prosthetic replacement of joint NEC + Site code Revision of total prosthetic replacement of joint NEC + Site code Revision of one component of total prosthetic replacement of joint NEC + Site code Conversion to prosthetic replacement of joint NEC + Site code Revision of one component of total prosthetic replacement of joint NEC + Site code Conversion to prosthetic replacement of head of femur using		· · · · · · · · · · · · · · · · · · ·		
NEC Revision of one component of total prosthetic replacement of joint using cement NEC + Site code	W43.2		+ Site code	
Revision of one component of total prosthetic replacement of joint using cement NEC + Site code Conversion from previous uncemented total prosthetic replacement of joint NEC + Site code Conversion to total prosthetic replacement of joint not using cement NEC + Site code Revision of total prosthetic replacement of joint not using cement NEC + Site code Revision of one component of total prosthetic replacement of joint not using cement NEC + Site code Conversion from previous total prosthetic replacement of joint W44.4 joint not using cement NEC + Site code Conversion from previous total prosthetic replacement of joint NEC + Site code W45.2 Conversion to total prosthetic replacement of joint NEC + Site code Revision of total prosthetic replacement of joint NEC + Site code Revision of one component of total prosthetic replacement of joint NEC + Site code Conversion to prosthetic replacement of joint NEC + Site code Conversion to prosthetic replacement of femur using		· · · · · · · · · · · · · · · · · · ·		
W43.4 joint using cement NEC	W43.3			
Conversion from previous uncemented total prosthetic replacement of joint NEC + Site code Conversion to total prosthetic replacement of joint not using cement NEC + Site code Revision of total prosthetic replacement of joint not using cement NEC + Site code Revision of one component of total prosthetic replacement of joint not using cement NEC + Site code Conversion from previous total prosthetic replacement of joint NEC + Site code W45.2 Conversion to total prosthetic replacement of joint NEC + Site code W45.3 Revision of total prosthetic replacement of joint NEC + Site code Revision of one component of total prosthetic replacement of joint NEC + Site code Conversion to prosthetic replacement of head of femur using	_	·		
W44.0 replacement of joint NEC + Site code Conversion to total prosthetic replacement of joint not using W44.2 cement NEC + Site code Revision of total prosthetic replacement of joint not using W44.3 cement NEC + Site code Revision of one component of total prosthetic replacement of Joint not using cement NEC + Site code Conversion from previous total prosthetic replacement of joint W45.0 NEC + Site code W45.2 Conversion to total prosthetic replacement of joint NEC + Site code W45.3 Revision of total prosthetic replacement of joint NEC + Site code Revision of one component of total prosthetic replacement of Joint NEC + Site code Conversion to prosthetic replacement of head of femur using	W43.4	•	+ Site code	
Conversion to total prosthetic replacement of joint not using cement NEC + Site code Revision of total prosthetic replacement of joint not using cement NEC + Site code Revision of one component of total prosthetic replacement of joint not using cement NEC + Site code Conversion from previous total prosthetic replacement of joint NEC + Site code W45.0 NEC + Site code W45.2 Conversion to total prosthetic replacement of joint NEC + Site code W45.3 Revision of total prosthetic replacement of joint NEC + Site code Revision of one component of total prosthetic replacement of joint NEC + Site code Conversion to prosthetic replacement of head of femur using		·		
W44.2 cement NEC + Site code Revision of total prosthetic replacement of joint not using cement NEC + Site code Revision of one component of total prosthetic replacement of joint not using cement NEC + Site code Conversion from previous total prosthetic replacement of joint NEC + Site code W45.2 Conversion to total prosthetic replacement of joint NEC + Site code W45.3 Revision of total prosthetic replacement of joint NEC + Site code Revision of one component of total prosthetic replacement of joint NEC + Site code Conversion to prosthetic replacement of femur using	W44.0		+ Site code	
Revision of total prosthetic replacement of joint not using cement NEC + Site code Revision of one component of total prosthetic replacement of joint not using cement NEC + Site code Conversion from previous total prosthetic replacement of joint NEC + Site code W45.2 Conversion to total prosthetic replacement of joint NEC + Site code W45.3 Revision of total prosthetic replacement of joint NEC + Site code Revision of one component of total prosthetic replacement of joint NEC + Site code Conversion to prosthetic replacement of head of femur using	_			
W44.3 cement NEC + Site code Revision of one component of total prosthetic replacement of joint not using cement NEC + Site code Conversion from previous total prosthetic replacement of joint NEC + Site code W45.2 Conversion to total prosthetic replacement of joint NEC + Site code W45.3 Revision of total prosthetic replacement of joint NEC + Site code Revision of one component of total prosthetic replacement of joint NEC + Site code Conversion to prosthetic replacement of head of femur using	W44.2		+ Site code	
Revision of one component of total prosthetic replacement of joint not using cement NEC + Site code Conversion from previous total prosthetic replacement of joint NEC + Site code W45.2 Conversion to total prosthetic replacement of joint NEC + Site code W45.3 Revision of total prosthetic replacement of joint NEC + Site code Revision of one component of total prosthetic replacement of joint NEC + Site code Conversion to prosthetic replacement of head of femur using	_	, , , , , , , , , , , , , , , , , , , ,		
W44.4 joint not using cement NEC + Site code Conversion from previous total prosthetic replacement of joint W45.0 NEC + Site code W45.2 Conversion to total prosthetic replacement of joint NEC + Site code W45.3 Revision of total prosthetic replacement of joint NEC + Site code Revision of one component of total prosthetic replacement of joint NEC + Site code Conversion to prosthetic replacement of head of femur using	W44.3		+ Site code	
Conversion from previous total prosthetic replacement of joint W45.0 NEC + Site code W45.2 Conversion to total prosthetic replacement of joint NEC + Site code W45.3 Revision of total prosthetic replacement of joint NEC + Site code Revision of one component of total prosthetic replacement of joint NEC + Site code Conversion to prosthetic replacement of head of femur using		·		
W45.0 NEC + Site code W45.2 Conversion to total prosthetic replacement of joint NEC + Site code W45.3 Revision of total prosthetic replacement of joint NEC + Site code Revision of one component of total prosthetic replacement of joint NEC + Site code Conversion to prosthetic replacement of head of femur using	W44.4		+ Site code	
W45.2 Conversion to total prosthetic replacement of joint NEC + Site code W45.3 Revision of total prosthetic replacement of joint NEC + Site code Revision of one component of total prosthetic replacement of joint NEC + Site code Conversion to prosthetic replacement of head of femur using				
W45.3 Revision of total prosthetic replacement of joint NEC + Site code Revision of one component of total prosthetic replacement of joint NEC + Site code Conversion to prosthetic replacement of head of femur using	W45.0	NEC	+ Site code	
Revision of one component of total prosthetic replacement of joint NEC + Site code Conversion to prosthetic replacement of head of femur using	W45.2	Conversion to total prosthetic replacement of joint NEC	+ Site code	
W45.5 joint NEC + Site code Conversion to prosthetic replacement of head of femur using	W45.3	Revision of total prosthetic replacement of joint NEC	+ Site code	
Conversion to prosthetic replacement of head of femur using		Revision of one component of total prosthetic replacement of		
·	W45.5	joint NEC	+ Site code	
W46.2 cement		Conversion to prosthetic replacement of head of femur using		
	W46.2	cement		

		1	
W46.3	Revision of prosthetic replacement of head of femur using cement		
VV40.5	Conversion to prosthetic replacement of head of femur not		
W47.2	using cement		
VV 47.2	Revision of prosthetic replacement of head of femur not using		
W47.3	cement		
W48.2	Conversion to prosthetic replacement of head of femur NEC		
W48.3	Revision of prosthetic replacement of head of femur NEC		
** 10.5	Conversion from previous cemented prosthetic replacement of		
W52.0	articulation of bone NEC	+ Site code	
	Conversion to prosthetic replacement of articulation of bone	0.000000	
W52.2	using cement NEC	+ Site code	
	Revision of prosthetic replacement of articulation of bone using		
W52.3	cement NEC	+ Site code	
	Conversion from previous uncemented prosthetic replacement		
W53.0	of articulation of bone NEC	+ Site code	
	Conversion to prosthetic replacement of articulation of bone		
W53.2	not using cement NEC	+ Site code	
	Revision of prosthetic replacement of articulation of bone not		
W53.3	using cement NEC	+ Site code	
	Conversion from previous prosthetic replacement of articulation		
W54.0	of bone NEC	+ Site code	
	Conversion to prosthetic replacement of articulation of bone		
W54.2	NEC	+ Site code	
W54.3	Revision of prosthetic replacement of articulation of bone NEC	+ Site code	
W57.4	Conversion to excision arthroplasty of joint	+ Site code	
W58.0	Conversion from previous resurfacing arthroplasty of joint	+ Site code	
W58.2	Revision of resurfacing arthroplasty of joint	+ Site code	
	Conversion from previous hybrid prosthetic replacement of hip		
W93.0	joint using cemented acetabular component		
	Conversion to hybrid prosthetic replacement of hip joint using		
W93.2	cemented acetabular component		
	Revision of hybrid prosthetic replacement of hip joint using		
W93.3	cemented acetabular component		
	Conversion from previous hybrid prosthetic replacement of hip		
W94.0	joint using cemented femoral component		
	Conversion to hybrid prosthetic replacement of hip joint using		
W94.2	cemented femoral component		
	Revision of hybrid prosthetic replacement of hip joint using		
W94.3	cemented femoral component		
14/05 0	Conversion from previous hybrid prosthetic replacement of hip		
W95.0	joint using cement NEC		
14/05 3	Conversion to hybrid prosthetic replacement of hip joint using		
W95.2	cement NEC		
WOE 2	Revision of hybrid prosthetic replacement of hip joint using		
W95.3	cement NEC		

PRIMARY TOTAL KNEE REPLACEMENT	
REPLACEMENT	
l l	
4 Character	
Code Description	
Primary total prosthetic replacement of knee	
W40.1 joint using cement	
Other specified total prosthetic replacement of	
W40.8 knee joint using cement	
Unspecified total prosthetic replacement of	
W40.9 knee joint using cement	
Primary total prosthetic replacement of knee	
W41.1 joint not using cement	
Other specified total prosthetic replacement of	
W41.8 knee joint not using cement	
Unspecified total prosthetic replacement of	
W41.9 knee joint not using cement	
Primary total prosthetic replacement of knee	
W42.1 joint NEC	
Other specified other total prosthetic	
W42.8 replacement of knee joint	
Unspecified other total prosthetic replacement	
W42.9 of knee joint	
Primary hybrid prosthetic replacement of knee	
O18.1 joint using cement	
Other specified hybrid prosthetic replacement	
O18.8 of knee joint using cement	
Unspecified hybrid prosthetic replacement of	
O18.9 knee joint using cement	
PRIMARY UNICONDYLAR / UNICOMPARTMENTAL KNEE	
OPERATIONS	
4 Character	
<u>Code</u> <u>Description</u>	
Require combination	
Primary prosthetic replacement of articulation site + combination c	odes to
W52.1 of bone using cement NEC ID	
Require combination	
Other specified prosthetic replacement of site + combination c	odes to
W52.8 articulation of other bone using cement ID	

		Require combination with
	Unspecified prosthetic replacement of	site + combination codes to
W52.9	articulation of other bone using cement	ID
***************************************	articulation of other some asing coment	Require combination with
	Primary prosthetic replacement of articulation	site + combination codes to
W53.1	of bone not using cement NEC	ID
		Require combination with
	Unspecified prosthetic replacement of	site + combination codes to
W53.9	articulation of other bone not using cement	ID
		Require combination with
	Conversion from previous prosthetic	site + combination codes to
W54.0	replacement of articulation of bone NEC	ID
		Require combination with
	Primary prosthetic replacement of articulation	site + combination codes to
W54.1	of bone NEC	ID
	Other and ified atherman atheris were larger to	Require combination with
\A/F 4 Q	Other specified other prosthetic replacement of articulation of other bone	site + combination codes to
W54.8	articulation of other bone	D Require combination with
	Unspecified other prosthetic replacement of	Require combination with site + combination codes to
W54.9	articulation of other bone	ID
VV34.5	difficultion of other some	Require combination with
		site + combination codes to
W58.1	Primary resurfacing arthroplasty of joint	ID
	, , , ,	
SITE OF		
SURGERY		
Z76.5	Lower end of femur NEC	
Z77.4	Upper end of tibia NEC	
		Will need care in extracting
		as PFJ replacement will be
Z78.7	Patella	coded with this
		Will need care in extracting
704.4	Detaillefour and inter-	as PFJ replacement will be
Z84.4	Patellofemoral joint	coded with this
Z84.5	Tibiofemoral joint	
Z84.6	Knee joint	
DEMICION:		
REVISION		
KNEE REPLACEMENT		
REPLACEIVIEINI		
4 Character		
Code	<u>Description</u>	
2000	Conversion from previous cemented total	
W40.0	prosthetic replacement of knee joint	
.,	production replacement of knee joint	1

		1
	Conversion to total prosthetic replacement of	
W40.2	knee joint using cement	
	Revision of total prosthetic replacement of knee	
W40.3	joint using cement	
	Revision of one component of total prosthetic	
W40.4	replacement of knee joint using cement	
-	Conversion from previous uncemented total	
W41.0	prosthetic replacement of knee joint	
VV-1.0	Conversion to total prosthetic replacement of	
W41.2	·	
VV41.2	knee joint not using cement	
14/44 2	Revision of total prosthetic replacement of knee	
W41.3	joint not using cement	
	Revision of one component of total prosthetic	
W41.4	replacement of knee joint not using cement	
	Conversion from previous total prosthetic	
W42.0	replacement of knee joint NEC	
	Conversion to total prosthetic replacement of	
W42.2	knee joint NEC	
	Revision of total prosthetic replacement of knee	
W42.3	joint NEC	
		Plus Y03.2 (Renewal of
		prosthesis in organ NOC) or
	Attention to total prosthetic replacement of	Y03.7 (Removal of
W42.4	knee joint NEC	prosthesis from organ NOC)
**	Revision of one component of total prosthetic	prostresis from ergan recey
W42.5	replacement of knee joint NEC	
VV 42.5	Arthrolysis of total prosthetic replacement of	
W42.6	knee joint	
VV42.0	Conversion from previous resurfacing	
WEG O	•	
W58.0	arthroplasty of joint	B : 1: :: ::
		Require combination with
		site + combination codes to
W58.2	Revision of resurfacing arthroplasty of joint	ID
	Conversion from previous hybrid prosthetic	
018.0	replacement of knee joint using cement	
	Conversion to hybrid prosthetic replacement of	
018.2	knee joint using cement	
	Revision of hybrid prosthetic replacement of	
O18.3	knee joint using cement	
	Attention to hybrid prosthetic replacement of	
O18.4	knee joint using cement	
		Require combination with
	Conversion from previous cemented prosthetic	site + combination codes to
W52.0	replacement of articulation of bone NEC	ID
	. Spinestine of an abadiation of bottle file	Require combination with
	Conversion to prosthetic replacement of	site + combination codes to
W52.2	articulation of bone using cement NEC	ID
VV JZ.Z	articulation of bothe using certifient NEC	טו ן

		Require combination with
	Revision of prosthetic replacement of	site + combination codes to
W52.3	articulation of bone using cement NEC	ID
	Conversion from previous uncemented	Require combination with
	prosthetic replacement of articulation of bone	site + combination codes to
W53.0	NEC	ID
		Require combination with
	Conversion to prosthetic replacement of	site + combination codes to
W53.2	articulation of bone not using cement NEC	ID
		Require combination with
	Revision of prosthetic replacement of	site + combination codes to
W53.3	articulation of bone not using cement NEC	ID
		Require combination with
	Conversion from previous prosthetic	site + combination codes to
W54.0	replacement of articulation of bone NEC	ID
		Require combination with
	Conversion to prosthetic replacement of	site + combination codes to
W54.2	articulation of bone NEC	ID
		Require combination with
	Revision of prosthetic replacement of	site + combination codes to
W54.3	articulation of bone NEC	ID
		Require combination with
14/5/4/4	Attention to prosthetic replacement of	site + combination codes to
W54.4	articulation of bone NEC	Din a subjection with
	Conversion to prosthatic internacition	Require combination with site + combination codes to
W55.3	Conversion to prosthetic interposition arthroplasty of joint	ID
W55.5	artinoplasty of joint	Require combination with
	Conversion to interposition arthroplasty of joint	site + combination codes to
W56.4	NEC	ID
VV50.4	NEC	Require combination with
		site + combination codes to
W57.4	Conversion to excision arthroplasty of joint	ID
	conversion to excision artimophasty or joint	Require combination with
	Conversion to arthrodesis and extra-articular	site + combination codes to
W60.3	bone graft NEC	ID
		Require combination with
	Conversion to arthrodesis and articular bone	site + combination codes to
W61.3	graft NEC	ID
		Require combination with
	Conversion to arthrodesis and internal fixation	site + combination codes to
W64.1	NEC	ID
		Require combination with
	Conversion to arthrodesis and external fixation	site + combination codes to
W64.2	NEC	ID