

Appendix B
Clinical Classification Software—PROCEDURES
(with all coding changes valid from January 1980 through September 2003¹)

This document provides a listing of ICD-9-CM codes included in each CCS procedure category.

1	Incision and excision of CNS											
	0101	0109	0121	0122	0123	0124	0125	0131	0132	0139	0141	0142
	0151	0152	0153	0159								
2	Insertion, replacement, or removal of extracranial ventricular shunt											
	0231	0232	0233	0234	0235	0239	0242	0243				
3	Laminectomy, excision intervertebral disc											
	0302	0309	805	8050	8051	8059						
4	Diagnostic spinal tap											
	0331											
5	Insertion of catheter or spinal stimulator and injection into spinal canal											
	038	0390	0391	0392	0393	0394						
6	Decompression peripheral nerve											
	0443	0444	0449									
7	Other diagnostic nervous system procedures											
	0111	0112	0113	0114	0115	0118	0119	0332	0339	0411	0412	0419
	0511	0519										
8	Other non-OR or closed therapeutic nervous system procedures											
	0102	0241	0295	0321	0395	0396	0480	0481	0489	0531	0532	0539
9	Other OR therapeutic nervous system procedures											
	016	0201	0202	0203	0204	0205	0206	0207	0211	0212	0213	0214
	022	0291	0292	0293	0294	0296	0299	0301	031	0329	034	0351
	0352	0353	0359	036	0371	0372	0379	0397	0398	0399	0401	0402
	0403	0404	0405	0406	0407	042	043	0441	0442	045	046	0471
	0472	0473	0474	0475	0476	0479	0491	0492	0493	0499	050	0521
	0522	0523	0524	0525	0529	0581	0589	059				
10	Thyroidectomy, partial or complete											
	062	0631	0639	064	0650	0651	0652	066				
11	Diagnostic endocrine procedures											
	0611	0612	0613	0619	0700	0701	0702	0711	0712	0713	0714	0715
	0716	0717	0719	0751	0771	0791						
12	Other therapeutic endocrine procedures											

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	0601	0602	0609	067	0681	0689	0691	0692	0693	0694	0695	0698
	0699	0721	0722	0729	073	0741	0742	0743	0744	0745	0749	0752
	0753	0754	0759	0761	0762	0763	0764	0765	0768	0769	0772	0779
	0780	0781	0782	0792	0793	0794	0799					
13	Corneal transplant											
	1160	1161	1162	1163	1164	1169						
14	Glaucoma procedures											
	1251	1252	1253	1254	1255	1259	1261	1262	1263	1264	1265	1266
	1269	1271	1272	1273	1274	1279						
15	Lens and cataract procedures											
	1311	1319	132	133	1341	1342	1343	1351	1359	1361	1362	1363
	1364	1365	1366	1369	1370	1371	1372	138	139			
16	Repair of retinal tear, detachment											
	1431	1432	1433	1434	1435	1439	1441	1449	1451	1452	1453	1454
	1455	1459										
17	Destruction of lesion of retina and choroid											
	1421	1422	1423	1424	1425	1426	1427	1429				
18	Diagnostic procedures on eye											
	0811	0819	0911	0912	0919	1021	1029	1121	1122	1129	1221	1222
	1229	1411	1419	1501	1509	1621	1622	1623	1629			
19	Other therapeutic procedures on eyelids, conjunctiva, cornea											
	0801	0802	0809	0820	0821	0822	0823	0824	0825	0831	0832	0833
	0834	0835	0836	0837	0838	0841	0842	0843	0844	0849	0851	0852
	0859	0861	0862	0863	0864	0869	0870	0871	0872	0873	0874	0881
	0882	0883	0884	0885	0886	0887	0889	0891	0892	0893	0899	090
	0920	0921	0922	0923	093	0941	0942	0943	0944	0949	0951	0952
	0953	0959	096	0971	0972	0973	0981	0982	0983	0991	0999	100
	101	1031	1032	1033	1041	1042	1043	1044	1049	105	106	1091
	1099	110	111	1131	1132	1139	1141	1142	1143	1149	1151	1152
	1153	1159	1171	1172	1173	1174	1175	1176	1179	1191	1192	1199
	9651	9731										
20	Other intraocular therapeutic procedures											
	1200	1201	1202	1211	1212	1213	1214	1231	1232	1233	1234	1235
	1239	1240	1241	1242	1243	1244	1281	1282	1283	1284	1285	1286
	1287	1288	1289	1291	1292	1293	1297	1298	1299	1300	1301	1302
	1400	1401	1402	146	1471	1472	1473	1474	1475	1479	149	
21	Other extraocular muscle and orbit therapeutic procedures											

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	1511	1512	1513	1519	1521	1522	1529	153	154	155	156	157
	159	1601	1602	1609	161	1631	1639	1641	1642	1649	1651	1652
	1659	1661	1662	1663	1664	1665	1666	1669	1671	1672	1681	1682
	1689	1691	1692	1693	1698	1699						
22	Tympanoplasty											
	194	1952	1953	1954	1955	196						
23	Myringotomy											
	2001	2009										
24	Mastoidectomy											
	2041	2042	2049									
25	Diagnostic procedures on ear											
	1811	1812	1819	2031	2032	2039						
26	Other therapeutic ear procedures											
	1801	1802	1809	1821	1829	1831	1839	184	185	186	1871	1872
	1879	189	190	1911	1919	1921	1929	193	199	201	2021	2022
	2023	2051	2059	2061	2062	2071	2072	2079	208	2091	2092	2093
	2094	2095	2096	2097	2098	2099	9611	9652				
27	Control of epistaxis											
	2100	2101	2102	2103	2104	2105	2106	2107	2109			
28	Plastic procedures on nose											
	215	2181	2182	2183	2184	2185	2186	2187	2188	2189		
29	Dental procedures											
	2301	2309	2311	2319	232	233	2341	2342	2343	2349	235	236
	2370	2371	2372	2373	244	245	246	247	248	2491	2499	9654
	9722	9733	9734	9735	9997							
30	Tonsillectomy and/or adenoidectomy											
	282	283	286	287								
31	Diagnostic procedures on nose, mouth and pharynx											
	2121	2122	2129	2211	2212	2219	2411	2412	2419	2501	2502	2509
	2611	2612	2619	2721	2722	2723	2724	2729	2811	2819	2911	2912
	2919											
32	Other non-OR therapeutic procedures on nose, mouth and pharynx											

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	211	2130	2131	2132	2171	2191	2200	2201	2202	222	2264	240
	2431	2432	2439	2551	2591	2592	2593	260	2691	2741	2751	2752
	2791	2991	9621	9653	9721	9732						
33	Other OR therapeutic procedures on nose, mouth and pharynx											
	214	2161	2162	2169	2172	2199	2231	2239	2241	2242	2250	2251
	2252	2253	2260	2261	2262	2263	2271	2279	229	242	251	252
	253	254	2559	2594	2599	2621	2629	2630	2631	2632	2641	2642
	2649	2699	270	271	2731	2732	2742	2743	2749	2753	2754	2755
	2756	2757	2759	2761	2762	2763	2769	2771	2772	2773	2779	2792
	2799	280	284	285	2891	2892	2899	290	292	293	2931	2932
	2933	2939	294	2951	2952	2953	2954	2959	2992	2999		
34	Tracheostomy, temporary and permanent											
	311	3121	3129									
35	Tracheoscopy and laryngoscopy with biopsy											
	3142	3143	3144									
36	Lobectomy or pneumonectomy											
	3221	3222	3229	323	324	325						
37	Diagnostic bronchoscopy and biopsy of bronchus											
	3322	3323	3324	3326	3327							
38	Other diagnostic procedures on lung and bronchus											
	3325	3328	3329	3402								
39	Incision of pleura, thoracentesis, chest drainage											
	3404	3409	3491									
40	Other diagnostic procedures of respiratory tract and mediastinum											
	3141	3145	3148	3149	3321	3421	3422	3423	3424	3425	3426	3427
	3428	3429										
41	Other non-OR therapeutic procedures on respiratory system											
	310	3193	3194	3195	3201	3228	3331	3332	3333	3391	3471	3472
	3492	9655	9656	9723	9737	9741	9742	9743	9749			
42	Other OR therapeutic procedures on respiratory system											
	3001	3009	301	3021	3022	3029	303	304	313	315	3161	3162
	3163	3164	3169	3171	3172	3173	3174	3175	3179	3191	3192	3198
	3199	320	3209	321	326	329	330	331	3334	3339	3341	3342
	3343	3348	3349	3392	3393	3398	3399	3401	3403	3405	341	343
	344	3451	3459	346	3473	3474	3479	3481	3482	3483	3484	3485

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	3489	3493	3499									
43	Heart valve procedures											
	3500	3501	3502	3503	3504	3510	3511	3512	3513	3514	3520	3521
	3522	3523	3524	3525	3526	3527	3528	3596	3599			
44	Coronary artery bypass graft (CABG)											
	3610	3611	3612	3613	3614	3615	3616	3617	3619	362	363	3631
	3632	3639										
45	Percutaneous transluminal coronary angioplasty (PTCA)											
	3601	3602	3605									
46	Coronary thrombolysis											
	3604											
47	Diagnostic cardiac catheterization, coronary arteriography											
	3721	3722	3723	8852	8853	8854	8855	8856	8857			
48	Insertion, revision, replacement, removal of cardiac pacemaker or cardioverter/defibrillator											
	0050	0051	0052	0053	0054	3770	3771	3772	3773	3774	3775	3776
	3777	3778	3779	3780	3781	3782	3783	3785	3786	3787	3789	3794
	3795	3796	3797	3798								
49	Other OR heart procedures											
	3531	3532	3533	3534	3535	3539	3541	3542	3550	3551	3552	3553
	3554	3560	3561	3562	3563	3570	3571	3572	3573	3581	3582	3583
	3584	3591	3592	3593	3594	3595	3598	3600	3603	3609	3691	3699
	3710	3711	3712	3731	3732	3733	3734	3735	374	3761	3762	3763
	3764	3765	3766	3767	3791	3799						
50	Extracorporeal circulation auxiliary to open heart procedures											
	3961	3962	3963	3964	3965	3966						
51	Endarterectomy, vessel of head and neck											
	3812											
52	Aortic resection, replacement or anastomosis											
	3834	3844	3864	3971	3979							
53	Varicose vein stripping, lower limb											
	3859											
54	Other vascular catheterization, not heart											

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	3891	3892	3893									
55	Peripheral vascular bypass											
	3925	3929										
56	Other vascular bypass and shunt, not heart											
	390	391	3921	3922	3923	3924	3926	3928				
57	Creation, revision and removal of arteriovenous fistula or vessel-to-vessel cannula for dialysis											
	3927	3942	3943	3993								
58	Hemodialysis											
	3995											
59	Other OR procedures on vessels of head and neck											
	3801	3802	3811	3831	3832	3841	3842	3851	3852	3861	3862	3881
	3882	3972										
60	Embolectomy and endarterectomy of lower limbs											
	3808	3818										
61	Other OR procedures on vessels other than head and neck											
	0055	3800	3803	3804	3805	3806	3807	3809	3810	3813	3814	3815
	3816	3830	3833	3835	3836	3837	3838	3839	3840	3843	3845	3846
	3847	3848	3849	3850	3853	3855	3857	3860	3863	3865	3866	3867
	3868	3869	387	3880	3883	3884	3885	3886	3887	3888	3889	3930
	3931	3932	3941	3949	3950	3951	3952	3953	3954	3955	3956	3957
	3958	3959	397	398	3990	3991	3992	3994	3998	3999		
62	Other diagnostic cardiovascular procedures											
	3724	3725	3726	3727	3728	3729	3821	3822	3829			
63	Other non-OR therapeutic cardiovascular procedures											
	3606	3607	370	3792	3793	3894	3895	3996	3997	9744		
64	Bone marrow transplant											
	410	4100	4101	4102	4103	4104	4105	4106	4107	4108	4109	
65	Bone marrow biopsy											
	4131											
66	Procedures on spleen											

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	411	412	4141	4142	4143	415	4193	4195	4199			
67	Other therapeutic procedures, hemic and lymphatic system											
	400	4011	4019	4021	4022	4023	4024	4029	403	4040	4041	4042
	4050	4051	4052	4053	4054	4059	4061	4062	4063	4064	4069	409
	4132	4133	4138	4139	4191	4192	4198					
68	Injection or ligation of esophageal varices											
	4291											
69	Esophageal dilatation											
	4292											
70	Upper gastrointestinal endoscopy, biopsy											
	4223	4224	4413	4414	4513	4514	4516					
71	Gastrostomy, temporary and permanent											
	431	4311	4319	432	4432							
72	Colostomy, temporary and permanent											
	4610	4611	4612	4613	4614							
73	Ileostomy and other enterostomy											
	4620	4621	4622	4623	4624	4631	4632	4639				
74	Gastrectomy, partial and total											
	435	436	437	4381	4389	4391	4399					
75	Small bowel resection											
	4561	4562	4563									
76	Colonoscopy and biopsy											
	4523	4524	4525									
77	Proctoscopy and anorectal biopsy											
	4823	4824	4826	4921	4922	4923						
78	Colorectal resection											
	4571	4572	4573	4574	4575	4576	4579	458	4841	4849	485	4861
	4862	4863	4864	4865	4866	4869						
79	Local excision of large intestine lesion (not endoscopic)											

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	4221	4222	4225	4229	4411	4412	4415	4419	4511	4512	4515	4519
	4521	4522	4526	4527	4528	4529	4821	4822	4825	4829	4929	5425
93	Other non-OR upper GI therapeutic procedures											
	4233	4281	4341	4422	4443	4444	4449	4462	4493	4494	9606	9631
	9632	9633	9634	9635	9701	9702	9751					
94	Other OR upper GI therapeutic procedures											
	4201	4209	4210	4211	4212	4219	4231	4232	4239	4240	4241	4242
	4251	4252	4253	4254	4255	4256	4258	4259	4261	4262	4263	4264
	4265	4266	4268	4269	427	4282	4283	4284	4285	4286	4287	4289
	4299	430	433	4342	4349	4400	4401	4402	4403	442	4421	4429
	4431	4439	4440	4441	4442	445	4461	4463	4464	4465	4466	4469
	4491	4492	4499									
95	Other non-OR lower GI therapeutic procedures											
	4530	4542	4543	4685	4695	4696	4831	4832	4833	4834	4836	4903
	4931	9609	9619	9622	9623	9626	9629	9637	9638	9639	9703	9704
	9752	9753	9993									
96	Other OR lower GI therapeutic procedures											
	4500	4501	4502	4503	4531	4532	4533	4534	4549	4550	4551	4552
	4590	4591	4592	4593	4594	4595	4601	4602	4603	4604	4640	4641
	4642	4643	4650	4651	4652	4660	4661	4662	4663	4664	4671	4672
	4673	4674	4675	4676	4679	4680	4681	4682	4691	4692	4693	4694
	4699	472	4791	4792	4799	480	481	4835	4871	4872	4873	4874
	4875	4876	4879	4881	4882	4891	4892	4893	4899	4901	4902	4904
	4911	4912	493	4939	4951	4952	4959	496	4971	4972	4973	4974
	4975	4976	4979	4991	4992	4993	4994	4995	4999			
97	Other gastrointestinal diagnostic procedures											
	5019	5112	5113	5114	5115	5119	5211	5212	5214	5219	5422	5423
	5424	5429										
98	Other non-OR gastrointestinal therapeutic procedures											
	5091	5092	5093	5094	5099	5101	5164	5184	5185	5186	5187	5188
	5196	5198	5221	5293	5294	5297	5298	5496	5497	5499	9608	9624
	9627	9628	9636	9641	9642	9643	9705	9754	9755	9756	9759	9782
	9786											
99	Other OR gastrointestinal therapeutic procedures											
	500	5021	5022	5029	503	504	5061	5069	5102	5103	5104	5131
	5132	5133	5134	5135	5136	5137	5139	5161	5162	5163	5169	5171
	5172	5179	5181	5182	5183	5189	5191	5192	5193	5194	5195	5199
	5201	5209	522	5222	523	524	5251	5252	5253	5259	526	527
	5292	5295	5296	5299	540	5412	5419	543	544	5461	5462	5463

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	5464	5471	5472	5473	5474	5475	5492	5493	5494	5495		
100	Endoscopy and endoscopic biopsy of the urinary tract											
	5521	5522	5631	5633	5732	5733	5822	5823				
101	Transurethral excision, drainage, or removal of urinary obstruction											
	560	570	5741	5749								
102	Ureteral catheterization											
	598											
103	Nephrotomy and nephrostomy											
	5501	5502	5503	5504	5511	5512						
104	Nephrectomy, partial or complete											
	554	5551	5552	5553	5554							
105	Kidney transplant											
	5561	5569										
106	Genitourinary incontinence procedures											
	593	594	595	596	5971	5972	5979					
107	Extracorporeal lithotripsy, urinary											
	5995	5996	9851									
108	Indwelling catheter											
	5794											
109	Procedures on the urethra											
	580	581	583	5831	5839	5841	5842	5843	5844	5845	5846	5847
	5849	585	586	5891	5892	5893	5899					
110	Other diagnostic procedures of urinary tract											
	5523	5524	5529	5632	5634	5635	5639	5731	5734	5739	5821	5824
	5829	5921	5929									
111	Other non-OR therapeutic procedures of urinary tract											
	5592	5593	5594	5595	5596	5691	5711	5717	5792	5795	5993	5994
	5999	9625	9645	9646	9647	9648	9649	9761	9762	9763	9764	9765
	9769											

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112	Other OR therapeutic procedures of urinary tract											
	5531	5539	557	5581	5582	5583	5584	5585	5586	5587	5589	5591
	5597	5598	5599	561	562	5640	5641	5642	5651	5652	5661	5662
	5671	5672	5673	5674	5675	5679	5681	5682	5683	5684	5685	5686
	5689	5692	5693	5694	5695	5699	5712	5718	5719	5721	5722	5751
	5759	576	5771	5779	5781	5782	5783	5784	5785	5786	5787	5788
	5789	5791	5793	5796	5797	5798	5799	5900	5901	5902	5903	5909
	5911	5912	5919	5991	5992							
113	Transurethral resection of prostate (TURP)											
	602	6021	6029	6096	6097							
114	Open prostatectomy											
	603	604	605	6061	6062	6069						
115	Circumcision											
	640											
116	Diagnostic procedures, male genital											
	6011	6012	6013	6014	6015	6018	6019	6111	6119	6211	6212	6219
	6301	6309	6411	6419								
117	Other non-OR therapeutic procedures, male genital											
	6071	6091	6092	6095	610	613	6141	6191	6291	6292	6352	636
	6370	6371	6372	6373	6384	6391	6491	6494	9994	9995	9996	
118	Other OR therapeutic procedures, male genital											
	600	6072	6073	6079	6081	6082	6093	6094	6099	612	6142	6149
	6192	6199	620	622	623	6241	6242	625	6261	6269	627	6299
	631	632	633	634	6351	6353	6359	6381	6382	6383	6385	6389
	6392	6393	6394	6395	6399	642	643	6441	6442	6443	6444	6445
	6449	645	6492	6493	6495	6496	6497	6498	6499			
119	Oophorectomy, unilateral and bilateral											
	653	6531	6539	654	6541	6549	6551	6552	6553	6554	6561	6562
	6563	6564										
120	Other operations on ovary											
	650	6501	6509	6521	6522	6523	6524	6525	6529	6571	6572	6573
	6574	6575	6576	6579	658	6581	6589	6591	6592	6593	6594	6595
	6599											
121	Ligation of fallopian tubes											

Appendix B
Clinical Classification Software—PROCEDURES
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This document provides a listing of ICD-9-CM codes included in each CCS procedure category.

	6621	6622	6629	6631	6632	6639						
122	Removal of ectopic pregnancy											
	6662	6911	743									
123	Other operations on fallopian tubes											
	664	6651	6652	6661	6663	6669	6671	6672	6673	6674	6679	668
	6691	6692	6693	6694	6695	6696	6697	6699				
124	Hysterectomy, abdominal and vaginal											
	683	684	685	6851	6859	686	687	689				
125	Other excision of cervix and uterus											
	672	6731	6732	6733	6739	674	6821	6822	6823	6829	6919	
126	Abortion (termination of pregnancy)											
	6901	6951	7491	750								
127	Dilatation and curettage (D&C), aspiration after delivery or abortion											
	6902	6952										
128	Diagnostic dilatation and curettage (D&C)											
	6909											
129	Repair of cystocele and rectocele, obliteration of vaginal vault											
	7050	7051	7052	708								
130	Other diagnostic procedures, female organs											
	6511	6512	6513	6514	6519	6611	6619	6711	6712	6719	6811	6812
	6813	6814	6815	6816	6819	7021	7022	7023	7024	7029	7111	7119
131	Other non-OR therapeutic procedures, female organs											
	670	6751	6759	6959	696	697	6991	6992	6993	6994	6996	700
	7011	7121	9614	9615	9616	9617	9618	9644	9724	9725	9726	9771
	9772	9773	9774	9775								
132	Other OR therapeutic procedures, female organs											
	660	6601	6602	675	6761	6762	6769	680	688	6921	6922	6923
	6929	693	6941	6942	6949	6995	6997	6998	6999	7012	7013	7014
	7031	7032	7033	704	7061	7062	7071	7072	7073	7074	7075	7076
	7077	7079	7091	7092	7101	7109	7122	7123	7124	7129	713	714
	715	7161	7162	7171	7172	7179	718	719				

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

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(with all coding changes valid from January 1980 through September 2003¹)

This document provides a listing of ICD-9-CM codes included in each CCS procedure category.

133	Episiotomy											
	736											
134	Cesarean section											
	740	741	742	744	7499							
135	Forceps, vacuum, and breech delivery											
	720	721	7221	7229	7231	7239	724	7251	7252	7253	7254	726
	7271	7279	728	729	733							
136	Artificial rupture of membranes to assist delivery											
	7309											
137	Other procedures to assist delivery											
	7301	731	7321	7322	734	7351	7359	738	7391	7392	7393	7394
	7399											
138	Diagnostic amniocentesis											
	751											
139	Fetal monitoring											
	7531	7532	7533	7534	7535	7538						
140	Repair of current obstetric laceration											
	7550	7551	7552	7561	7562	7569						
141	Other therapeutic obstetrical procedures											
	752	7536	7537	754	757	758	7591	7592	7593	7594	7599	
142	Partial excision bone											
	7601	762	7631	7639	7760	7761	7762	7763	7764	7765	7766	7767
	7768	7769	7770	7771	7772	7773	7774	7775	7776	7777	7778	7779
	7780	7781	7782	7783	7784	7785	7786	7787	7788	7789		
143	Bunionectomy or repair of toe deformities											
	7751	7752	7753	7754	7756	7757	7758	7759				
144	Treatment, facial fracture or dislocation											
	7670	7671	7672	7673	7674	7675	7676	7677	7678	7679	7693	7694
	7697	7699										

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This document provides a listing of ICD-9-CM codes included in each CCS procedure category.

145	Treatment, fracture or dislocation of radius and ulna											
	7853	7863	7902	7912	7922	7932	7942	7952	7962	7972	7973	7982
	7983	7992										
146	Treatment, fracture or dislocation of hip and femur											
	7855	7865	7905	7915	7925	7935	7945	7955	7965	7975	7985	7995
147	Treatment, fracture or dislocation of lower extremity (other than hip or femur)											
	7856	7857	7858	7866	7867	7868	7906	7907	7908	7916	7917	7918
	7926	7927	7928	7936	7937	7938	7946	7956	7966	7967	7968	7976
	7977	7978	7986	7987	7988	7996	7997	7998				
148	Other fracture and dislocation procedure											
	7850	7851	7852	7854	7859	7860	7861	7862	7864	7869	7900	7901
	7903	7904	7909	7910	7911	7913	7914	7919	7920	7921	7923	7924
	7929	7930	7931	7933	7934	7939	7940	7941	7949	7950	7951	7959
	7960	7961	7963	7964	7969	7970	7971	7974	7979	7980	7981	7984
	7989	7990	7991	7993	7994	7999						
149	Arthroscopy											
	8020	8021	8022	8023	8024	8025	8026	8027	8028	8029		
150	Division of joint capsule, ligament or cartilage											
	8040	8041	8042	8043	8044	8045	8046	8047	8048	8049		
151	Excision of semilunar cartilage of knee											
	806											
152	Arthroplasty knee											
	8141	8142	8143	8144	8145	8146	8147	8154	8155			
153	Hip replacement, total and partial											
	8151	8152	8153	8161	8162	8163	8164	8169				
154	Arthroplasty other than hip or knee											
	8148	8149	8156	8157	8159	8171	8172	8173	8174	8175		
	8179	8180	8181	8182	8183	8184	8185	8186	8187	8197		
155	Arthrocentesis											
	8191											
156	Injections and aspirations of muscles, tendons, bursa, joints and soft tissue											
	8292	8293	8294	8295	8296	8394	8395	8396	8397	8398		

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

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Clinical Classification Software—PROCEDURES
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This document provides a listing of ICD-9-CM codes included in each CCS procedure category.

157	Amputation of lower extremity											
	8410	8411	8412	8413	8414	8415	8416	8417	8418	8419		
158	Spinal fusion											
	8100	8101	8102	8103	8104	8105	8106	8107	8108	8109	8130	8131
	8132	8133	8134	8135	8136	8137	8138	8139	8451			
159	Other diagnostic procedures on musculoskeletal system											
	7611	7619	7740	7741	7742	7743	7744	7745	7746	7747	7748	7749
	7880	7881	7882	7883	7884	7885	7886	7887	7888	7889	8030	8031
	8032	8033	8034	8035	8036	8037	8038	8039	8321	8329		
160	Other therapeutic procedures on muscles and tendons											
	8201	8202	8203	8204	8209	8211	8212	8219	8221	8222	8229	8231
	8232	8233	8234	8235	8236	8239	8241	8242	8243	8244	8245	8246
	8251	8252	8253	8254	8255	8256	8257	8258	8259	8261	8269	8271
	8272	8279	8281	8282	8283	8284	8285	8286	8289	8291	8299	8301
	8302	8303	8309	8311	8312	8313	8314	8319	8331	8332	8339	8341
	8342	8343	8344	8345	8349	835	8361	8362	8363	8364	8365	8371
	8372	8373	8374	8375	8376	8377	8379	8381	8382	8383	8384	8385
	8386	8387	8388	8389	8391	8392	8393	8399				
161	Other OR therapeutic procedures on bone											
	7700	7701	7702	7703	7704	7705	7706	7707	7708	7709	7710	7711
	7712	7713	7714	7715	7716	7717	7718	7719	7720	7721	7722	7723
	7724	7725	7726	7727	7728	7729	7730	7731	7732	7733	7734	7735
	7736	7737	7738	7739	7790	7791	7792	7793	7794	7795	7796	7797
	7798	7799	7800	7801	7802	7803	7804	7805	7806	7807	7808	7809
	7810	7811	7812	7813	7814	7815	7816	7817	7818	7819	7820	7822
	7823	7824	7825	7827	7828	7829	7830	7831	7832	7833	7834	7835
	7837	7838	7839	7840	7841	7842	7843	7844	7845	7846	7847	7848
	7849	7870	7871	7872	7873	7874	7875	7876	7877	7878	7879	7890
	7891	7892	7893	7894	7895	7896	7897	7898	7899			
162	Other OR therapeutic procedures on joints											
	8000	8001	8002	8003	8004	8005	8006	8007	8008	8009	8010	8011
	8012	8013	8014	8015	8016	8017	8018	8019	8052	8070	8071	8072
	8073	8074	8075	8076	8077	8078	8079	8080	8081	8082	8083	8084
	8085	8086	8087	8088	8089	8090	8091	8092	8093	8094	8095	8096
	8097	8098	8099	8111	8112	8113	8114	8115	8116	8117	8118	8120
	8121	8122	8123	8124	8125	8126	8127	8128	8129	8140	8193	8194
	8195	8196	8198	8199								
163	Other non-OR therapeutic procedures on musculoskeletal system											
	7695	7696	8192	8441	8442	8443	8445	8446	8447	8452	9711	9712
	9713	9714	9736	9788								
164	Other OR therapeutic procedures on musculoskeletal system											

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

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This document provides a listing of ICD-9-CM codes included in each CCS procedure category.

	7609	7641	7642	7643	7644	7645	7646	765	7661	7662	7663	7664
	7665	7666	7667	7668	7669	7691	7692	8400	8401	8402	8403	8404
	8405	8406	8407	8408	8409	8421	8422	8423	8424	8425	8426	8427
	8428	8429	843	8440	8444	8448	8491	8492	8493	8499		
165	Breast biopsy and other diagnostic procedures on breast											
	8511	8512	8519									
166	Lumpectomy, quadrantectomy of breast											
	8520	8521	8522	8523								
167	Mastectomy											
	8541	8542	8543	8544	8545	8546	8547	8548				
168	Incision and drainage, skin and subcutaneous tissue											
	8604											
169	Debridement of wound, infection or burn											
	8622	8628										
170	Excision of skin lesion											
	863	864										
171	Suture of skin and subcutaneous tissue											
	8651	8659										
172	Skin graft											
	8660	8661	8662	8663	8664	8665	8666	8667	8669	8670	8671	8672
	8673	8674	8675									
173	Other diagnostic procedures on skin and subcutaneous tissue											
	8611	8619										
174	Other non-OR therapeutic procedures on skin and breast											
	850	8551	8552	8581	8591	8592	8601	8602	8603	8605	8607	8609
	8623	8624	8626	8627	8692	8699						
175	Other OR therapeutic procedures on skin and breast											
	8524	8525	8531	8532	8533	8534	8535	8536	8550	8553	8554	856
	857	8582	8583	8584	8585	8586	8587	8589	8593	8594	8595	8596
	8599	8606	8621	8625	8681	8682	8683	8684	8685	8686	8689	8691
	8693											

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

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Clinical Classification Software—PROCEDURES
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This document provides a listing of ICD-9-CM codes included in each CCS procedure category.

176	Other organ transplantation											
		335	3350	3351	3352	336	375	4194	4697	5051	5059	5280
		5282	5283	5284	5285	5286						5281
177	Computerized axial tomography (CT) scan head											
		8703										
178	CT scan chest											
		8741										
179	CT scan abdomen											
		8801										
180	Other CT scan											
		8771	8838									
181	Myelogram											
		8721										
182	Mammography											
		8736	8737									
183	Routine chest X-ray											
		8744										
184	Intraoperative cholangiogram											
		8753										
185	Upper gastrointestinal X-ray											
		8761	8762									
186	Lower gastrointestinal X-ray											
		8764										
187	Intravenous pyelogram											
		8773										
188	Cerebral arteriogram											
		8841										

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

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This document provides a listing of ICD-9-CM codes included in each CCS procedure category.

189	Contrast aortogram											
	8842											
190	Contrast arteriogram of femoral and lower extremity arteries											
	8848											
191	Arterio- or venogram (not heart and head)											
	8840	8843	8844	8845	8846	8847	8849	8850	8851	8858	8860	8861
	8862	8863	8864	8865	8866	8867	8868					
192	Diagnostic ultrasound of head and neck											
	8871											
193	Diagnostic ultrasound of heart (echocardiogram)											
	8872											
194	Diagnostic ultrasound of gastrointestinal tract											
	8874											
195	Diagnostic ultrasound of urinary tract											
	8875											
196	Diagnostic ultrasound of abdomen or retroperitoneum											
	8876											
197	Other diagnostic ultrasound											
	8873	8878	8879									
198	Magnetic resonance imaging											
	8891	8892	8893	8894	8895	8896	8897	8899				
199	Electroencephalogram (EEG)											
	8914											
200	Nonoperative urinary system measurements											
	8929											
201	Cardiac stress tests											
	8941	8942	8943	8944								
202	Electrocardiogram											

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

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This document provides a listing of ICD-9-CM codes included in each CCS procedure category.

	8951	8952										
203	Electrographic cardiac monitoring											
	8954											
204	Swan-Ganz catheterization for monitoring											
	8964											
205	Arterial blood gases											
	8960	8965										
206	Microscopic examination (bacterial smear, culture, toxicology)											
	9001	9002	9003	9004	9005	9006	9009	9011	9012	9013	9014	9015
	9016	9019	9021	9022	9023	9024	9025	9026	9029	9031	9032	9033
	9034	9035	9036	9039	9041	9042	9043	9044	9045	9046	9049	9051
	9052	9053	9054	9055	9056	9059	9061	9062	9063	9064	9065	9066
	9069	9071	9072	9073	9074	9075	9076	9079	9081	9082	9083	9084
	9085	9086	9089	9091	9092	9093	9094	9095	9096	9099	9101	9102
	9103	9104	9105	9106	9109	9111	9112	9113	9114	9115	9116	9119
	9121	9122	9123	9124	9125	9126	9129	9131	9132	9133	9134	9135
	9136	9139	9141	9142	9143	9144	9145	9146	9149	9151	9152	9153
	9154	9155	9156	9159	9161	9162	9163	9164	9165	9166	9169	9171
	9172	9173	9174	9175	9176	9179	9181	9182	9183	9184	9185	9186
	9189	9191	9192	9193	9194	9195	9196	9199				
207	Radioisotope bone scan											
	9214											
208	Radioisotope pulmonary scan											
	9215											
209	Radioisotope scan and function studies											
	9201	9202	9203	9204	9205	9209						
210	Other radioisotope scan											
	9211	9212	9213	9216	9217	9218	9219					
211	Therapeutic radiology											
	9221	9222	9223	9224	9225	9226	9227	9228	9229			
212	Diagnostic physical therapy											

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

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	9301	9302	9303	9304	9305	9306	9307	9308	9309			
213	Physical therapy exercises, manipulation, and other procedures											
	9311	9312	9313	9314	9315	9316	9317	9318	9319	9321	9322	9323
	9324	9325	9326	9327	9328	9329	9331	9332	9333	9334	9335	9336
	9337	9338	9339									
214	Traction, splints, and other wound care											
	9341	9342	9343	9344	9345	9346	9351	9352	9353	9354	9355	9356
	9357	9358	9359									
215	Other physical therapy and rehabilitation											
	9361	9362	9363	9364	9365	9366	9367	9371	9372	9373	9374	9375
	9376	9377	9378	9381	9382	9383	9384	9385	9389			
216	Respiratory intubation and mechanical ventilation											
	9390	9392	9601	9602	9603	9604	9605	9670	9671	9672		
217	Other respiratory therapy											
	9391	9394	9396	9399								
218	Psychological and psychiatric evaluation and therapy											
	9401	9402	9403	9408	9409	9411	9412	9413	9419	9421	9422	9423
	9424	9425	9426	9427	9429	9431	9432	9433	9434	9435	9436	9437
	9438	9439	9441	9442	9443	9444	9445	9446	9449	9451	9452	9453
	9454	9455	9459									
219	Alcohol and drug rehabilitation/detoxification											
	9461	9462	9463	9464	9465	9466	9467	9468	9469			
220	Ophthalmologic and otologic diagnosis and treatment											
	9501	9502	9503	9504	9505	9506	9507	9509	9511	9512	9513	9514
	9515	9516	9521	9522	9523	9524	9525	9526	9531	9532	9533	9534
	9535	9536	9541	9542	9543	9544	9545	9546	9547	9548	9549	
221	Nasogastric tube											
	9607											
222	Blood transfusion											
	9900	9901	9902	9903	9904	9905	9906	9907	9908	9909		
223	Enteral and parenteral nutrition											

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

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(with all coding changes valid from January 1980 through September 2003¹)

This document provides a listing of ICD-9-CM codes included in each CCS procedure category.

	966	9915										
224	Cancer chemotherapy											
	0010	9925	9928									
225	Conversion of cardiac rhythm											
	9960	9961	9962	9963	9964	9969						
226	Other diagnostic radiology and related techniques											
	8701	8702	8704	8705	8706	8707	8708	8709	8711	8712	8713	8714
	8715	8716	8717	8722	8723	8724	8729	8731	8732	8733	8734	8735
	8738	8739	8742	8743	8749	8751	8752	8754	8759	8763	8765	8766
	8769	8772	8774	8775	8776	8777	8778	8779	8781	8782	8783	8784
	8785	8789	8791	8792	8793	8794	8795	8799	8802	8803	8804	8809
	8811	8812	8813	8814	8815	8816	8819	8821	8822	8823	8824	8825
	8826	8827	8828	8829	8831	8832	8833	8834	8835	8836	8837	8839
	8881	8882	8883	8884	8885	8886	8889	8890	8898			
227	Other diagnostic procedures (interview, evaluation, consultation)											
	8901	8902	8903	8904	8905	8906	8907	8908	8909	8910	8911	8912
	8913	8915	8916	8917	8918	8919	8921	8922	8923	8924	8925	8926
	8931	8932	8933	8934	8935	8936	8937	8938	8939	8945	8946	8947
	8948	8949	8950	8953	8955	8956	8957	8958	8959	8961	8962	8963
	8966	8967	8968	8969	897	898						
228	Prophylactic vaccinations and inoculations											
	9931	9932	9933	9934	9935	9936	9937	9938	9939	9941	9942	9943
	9944	9945	9946	9947	9948	9951	9952	9953	9954	9955	9956	9957
	9958	9959										
229	Nonoperative removal of foreign body											
	9801	9802	9803	9804	9805	9811	9812	9813	9814	9815	9816	9817
	9818	9819	9820	9821	9822	9823	9824	9825	9826	9827	9828	9829
230	Extracorporeal shock wave lithotripsy, other than urinary											
	9852	9859										
231	Other therapeutic procedures											
	0001	0002	0003	0009	0011	0012	0013	0014	3898	3899	923	9230
	9231	9232	9233	9239	9393	9395	9397	9398	9657	9658	9659	9715
	9716	9729	9738	9739	9779	9781	9783	9784	9785	9787	9789	9910
	9911	9912	9913	9914	9916	9917	9918	9919	9920	9921	9922	9923
	9924	9926	9927	9929	9971	9972	9973	9974	9975	9976	9977	9979
	9981	9982	9983	9984	9985	9986	9988	9991	9992	9998	9999	

¹ All ICD-9-CM coding changes from January 1980 through September 2003 are included in this appendix. However, special treatment is required for code 8159 if data prior to October 1989 are used. After October 1989, code 8159

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This document provides a listing of ICD-9-CM codes included in each CCS procedure category.

(Revision of joint replacement of lower extremity, not elsewhere classified) resides in procedure category 154 Other arthroplasty (as depicted in this appendix).