

Pacemaker/Defibrillator (PCMDFR) Episode Description

Signify Health Version 1.1

An episode of care, also known as an episode, groups all relevant services provided to a patient for a particular condition within a confined time range. An episode of care serves as a unit of accounting as well as a unit of accountability for providers who take on financial risk for the episode. Defining an episode in such a manner helps to identify sources of variation and to standardize care.

An episode of care for Pacemaker/Defibrillator, sometimes abbreviated PCMDFR, is a procedural episode. The Pacemaker/Defibrillator episode includes services related to the procedure such as a facility stay, anesthesia services, as well as services within the 7-day pre- and 30-day post-operative care time window, such as diagnostic services, (imaging, labs etc.), office visits, cardiac rehab and ancillary services.

Episode Components

Triggers	A Pacemaker/Defibrillator episode trigger includes an inpatient facility claim with a procedure trigger code in the principal position and a qualifying diagnosis code in the principal position (Table 1). This episode is also triggered by an outpatient facility or professional claim with a procedure trigger code (in any position) and a qualifying diagnosis code (in any position) on the same claim line.
Typical Diagnosis	Typical diagnosis codes (ICD 10 DX codes) indicate typical care. Claims with typical diagnosis codes usually associated with an episode help steer services into this episode. However, a relevant procedure code is required on the same claim/claim line for the indicated diagnosis code to be incorporated into the episode. (Table 2)
Actionable adverse events (AAE)	Actionable adverse events (AAE) are events that are recognized by diagnosis codes (ICD 10 DX codes) and their timing to indicate potential complications of care. They require a relevant procedure code (ICD 10 PX codes; CPT/HCPCS codes) on the same

	claim/claim line to assign the claim to the episode. Additional rules are used to identify AAEs in addition to the presence of AAE diagnosis codes. For example, relevant acute inpatient readmission claims are flagged as actionable adverse events regardless of the presence of AAE codes. (Table 3)
Relevant Procedure Codes	All relevant services within the timeframe of an episode are included within an episode. These include office visits, emergency room visits, inpatient professional or facility services, labs, radiology or ancillary services. Relevant diagnosis and procedure codes help identify which services are included. Some procedure codes are sufficient to stand alone, while others require typical or actionable adverse event (AAE) diagnosis codes on the same claim/claim line to steer services into the episode. (Tables 4 and 5)
Relevant Pharmacy	All relevant pharmacy services are included within an episode. These are identified by National Drug Codes (NDC) on a pharmacy claim and are grouped using the RxNorm grouping classification for ease of assigning them into episodes. (Table 6)
SubTypes	<p>Episode subtypes are used to adjust the target price and/or to subset episode type for reporting purposes. They are specific to the episode and identified from the trigger claim or from claims during the look-back period.</p> <p>Examples of Subtype Groups:</p> <ul style="list-style-type: none"> • Insertion of Pacemaker • Insertion of Defibrillator • Insertion of Generator Alone • Cardiomyopathy • Chronic heart failure, degeneration

Code Tables

Table 1: Trigger Codes

Trigger Type	Code Value
CPT / HCPCS Triggers	0319T, 0321T, 0387T, 33206, 33207, 33208, 33212, 33213, 33214, 33221, 33224, 33225, 33227, 33228, 33229, 33230, 33231, 33240, 33249, 33262, 33263, 33264, 33270, 33271,

	33274, C1721, C1722, C1785, C1786, C1882, C2619, C2620, C2621, G0448, 0571T, 0572T, C1823
ICD-10-CM (DX) Qualifying Diagnosis	A1884, A3681, A3950, A3952, A3953, A5200, A5206, A5483, B3320, B3322, B3323, B570, B572, B5881, C380, C452, D151, I010, I012, I018, I019, I020, I029, I050, I051, I052, I058, I059, I060, I061, I062, I068, I069, I070, I071, I072, I078, I079, I080, I081, I082, I083, I088, I089, I090, I091, I092, I0981, I0989, I099, I110, I119, I130, I160, I161, I169, I200, I201, I208, I209, I2101, I2102, I2109, I2111, I2119, I2121, I2129, I213, I214, I220, I221, I222, I228, I229, I230, I231, I232, I233, I234, I235, I236, I237, I238, I240, I241, I248, I249, I2510, I25110, I25111, I25118, I25119, I252, I253, I2541, I2542, I255, I256, I25700, I25701, I25708, I25709, I25710, I25711, I25718, I25719, I25720, I25721, I25728, I25729, I25730, I25731, I25738, I25739, I25750, I25751, I25758, I25759, I25760, I25761, I25768, I25769, I25790, I25791, I25798, I25799, I25810, I25811, I25812, I2582, I2583, I2584, I2589, I259, I2601, I2602, I2609, I270, I271, I300, I301, I308, I309, I310, I311, I313, I318, I319, I32, I340, I341, I342, I348, I349, I350, I351, I352, I358, I359, I360, I361, I362, I368, I369, I370, I371, I372, I378, I379, I400, I401, I408, I409, I41, I420, I421, I422, I423, I424, I425, I426, I427, I428, I429, I43, I440, I441, I442, I4430, I4439, I444, I445, I4460, I4469, I447, I450, I4510, I4519, I452, I453, I454, I455, I456, I4581, I4589, I459, I462, I468, I469, I470, I471, I472, I479, I480, I481, I482, I483, I484, I4891, I4892, I4901, I4902, I491, I492, I493, I4940, I4949, I495, I498, I499, I501, I5020, I5021, I5022, I5023, I5030, I5031, I5032, I5033, I5040, I5041, I5042, I5043, I509, I510, I511, I512, I513, I514, I515, I517, I5181, I5189, I519, I52, I952, I959, J182, J810, J811, M3212, Q200, Q201, Q202, Q203, Q204, Q205, Q206, Q208, Q209, Q210, Q211, Q212, Q213, Q214, Q218, Q219, Q220, Q221, Q222, Q223, Q224, Q225, Q226, Q228, Q229, Q230, Q231, Q232, Q233, Q234, Q238, Q239, Q240, Q241, Q242, Q243, Q244, Q245, Q246, Q248, Q249, Q262, Q263, Q264, Q269, Q289, Q8740, Q87410, Q87418, Q8742, Q8743, R000, R001, R002, R008, R009, R010, R011, R012, R0601, R072, R0782, R0789, R079, R42, R55, R570, R571, R578, R579, R600, R601, R609, R9430, R9431, R9439, T8201XA, T8202XA, T8203XA, T8209XA, T82110A, T82110D, T82111A, T82111D, T82118A, T82118D, T82119A, T82119D, T82120A, T82120D, T82121A, T82121D, T82128A, T82128D, T82129A, T82129D, T82190A, T82190D, T82191A, T82191D, T82198A, T82198D, T82199A, T82199D, T82211A, T82212A, T82213A, T82218A, T82221A, T82222A, T82223A, T82228A, T82512A, T82518A, T82518D, T82519A, T82519D, T82522A, T82528A, T82528D, T82529A, T82529D, T82532A, T82538A, T82538D, T82539A, T82539D, T82592A, T82598A, T82598D, T82599A, T82599D, T826XXA, T827XXA, T827XXD, T82817A, T82817D, T82818A, T82818D, T82827A, T82827D, T82837A, T82847A, T82855A, T82855D, T82856A, T82857A, T82857D, T82858A, T82867A, T82867D, T82868A, T82897A, T82897D, T82898A, T829XXA, T829XXD, T836XXD, T85698D, T85898D, T859XXD, T8620, T8621, T8622, T8623, T86290, T86298, T8630, T8631, T8632, T8633, T8639, Z45010, Z45018, Z4502, Z4509, Z4821, Z48280,

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	Z8674, Z9282, Z941, Z943, Z950, Z951, Z952, Z953, Z954, Z955, Z95810, Z95811, Z95812, Z95818, Z959, Z9861
ICD-10-PCS (PX) Triggers	02H40JZ, 02H43JZ, 02H44JZ, 02H60JZ, 02H60KZ, 02H63JZ, 02H63KZ, 02H64JZ, 02H64KZ, 02H70KZ, 02H73KZ, 02H74KZ, 02HK0JZ, 02HK0KZ, 02HK3JZ, 02HK3KZ, 02HK4JZ, 02HK4KZ, 02HL0JZ, 02HL0KZ, 02HL3JZ, 02HL3KZ, 02HL4JZ, 02HL4KZ, 0JH604Z, 0JH605Z, 0JH606Z, 0JH607Z, 0JH608Z, 0JH609Z, 0JH60PZ, 0JH634Z, 0JH635Z, 0JH636Z, 0JH637Z, 0JH638Z, 0JH639Z, 0JH63PZ, 0JH804Z, 0JH805Z, 0JH806Z, 0JH807Z, 0JH808Z, 0JH809Z, 0JH80PZ, 0JH834Z, 0JH835Z, 0JH836Z, 0JH837Z, 0JH838Z, 0JH839Z, 0JH83PZ, 0JWT0PZ, 0JWT3PZ

Table 2: ICD-10 Typical Diagnosis

Group ID	Group Name	Code Value
DXX01111	NS - headache - symptom	G441, R51
DXX01405	Personal history of TIA	Z8673
DXX04105	Resp - hyperventilation	R064
DXX04112	Resp - abnormal chest sounds	R0989
DXX0497	Resp - shortness of breath	R0602, R0682
DXX0510	Essential Hypertension	I10
DXX05104	CV - atherosclerosis - aorta	I700
DXX05158	CV - edema	R600, R601, R609
DXX05159	CV - abnl ecg	R9431
DXX0516	CV - elevated BP	R030
DXX05160	CV - abnl imaging study	R938
DXX05161	CV - abnl cv test nec nos	R9430, R9439
DXX05164	CV - s/p cv ds nec nos	Z8679
DXX05166	CV - s/p major cv surgery	Z48812
DXX05187	CV - s/p tpa rx	Z9282
DXX05189	Resp - cyanosis	R230
DXX0524	CV - cardiac murmurs	R008, R009, R010, R011, R012
DXX05259	Sxs - symptoms -other - other	R231, R232
DXX05281	STEMI	I2101, I2102, I2109, I2111, I2119, I2121, I2129, I213
DXX05282	Unstable angina	I200, I201, I208, I209, I240, I248, I249, I25110, I25111, I25118, I25119, I2542, I25700, I25701, I25710, I25711, I25720, I25721, I25730, I25731, I25790, I25791, R072, R0782, R0789, R079
DXX05285	Hypertensive Heart Disease w Heart Failure	I110

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DXX05287	Cardiomyopathy	I420, I421, I422, I423, I424, I425, I426, I427, I428, I429, I43
DXX05288	Pulmonary heart disease	I272, I2781, I2789, I279
DXX05289	Subendocardial infarct	I214
DXX05293	Endocarditis	A3951, B3321, B376, I011, I38, I39, M3211
DXX05297	Hypotension / Syncope	I9589
DXX05303	Acute CHF / pulm edema	I5021, I5023, I5031, I5033, I5041, I5043
DXX05313	Acute pericarditis	I010, I300, I301, I308, I309, M3212
DXX05314	Myocarditis	A3952, B3322, B5881, I012, I090, I400, I401, I408, I409, I41, I514
DXX05316	Highgrade Heart Block	I441, I442, I452, I453
DXX05319	Artificial Heart, Assist Device	Z95811, Z95812
DXX05320	Atrial Flutter / Fibrillation	I480, I481, I482, I483, I484, I4891, I4892
DXX05321	Chronic, adhesive, constrictive pericarditis	I092, I310, I311
DXX05323	Heart Aneurysm and other Sequelae of AMI	I230, I231, I232, I233, I234, I235, I236, I237, I238, I241, I253, I510, I511, I512
DXX05325	Heart Valve Disorders	I050, I051, I052, I058, I059, I060, I061, I062, I068, I069, I070, I071, I072, I078, I079, I080, I081, I082, I083, I088, I089, I091, I340, I341, I342, I348, I349, I350, I351, I352, I358, I359, I360, I361, I362, I368, I369, I370, I371, I372, I378, I379
DXX05326	History of Sudden Death	Z8674
DXX05327	Hypertensive Heart Disease	I119
DXX05328	Hypertensive Heart Disease w Heart Failure & CKD	I130
DXX05329	Other Heart Blocks / Conduction Disorders	I4430, I4439, I444, I445, I4460, I4469, I447, I454, I455, I4589, I459, Q246
DXX05330	Other heart disease	A3681, A3950, B3320, B570, B572, I018, I019, I020, I029, I0989, I099, I271
DXX05331	Other pericarditis	A3953, B3323, I313, I318, I319, I32
DXX05332	Pacemaker, Defibrillator in place	Z45010, Z45018, Z4502, Z4509, Z950, Z95810, Z95818, Z959
DXX05333	Previous heart valve replacement	Z952, Z953, Z954
DXX05334	Renovascular and other secondary hypertension	I150, I158
DXX05335	Sinus Node Dysfunction	I495, I498, R001
DXX05336	Supraventricular Tachyarrhythmias	I456, I471, I492
DXX05338	Tumor of the Heart	C380, C452, D151
DXX05339	Ventricular Arrhythmias	I4581, I470, I472
DXX05340	Other cardiac arrhythmias	I479, I499, R000, R002
DXX05341	Coronary Artery Anomaly	Q245
DXX05343	Heart Failure unspecified as acute or chronic	I501, I5020, I5022, I5030, I5032, I5040, I5042, I509

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DXX05344	Chronic Heart Failure, Degeneration	I0981, I515, I517, I5189
DXX05345	Orthostatic Hypotension / Dizziness	I950, I951, R42
DXX05346	Premature Beats	I491, I493, I4940, I4949
DXX05348	Previous CABG	I25708, I25709, I25718, I25719, I25728, I25729, I25738, I25739, I25798, I25799, I25810, Z951
DXX05349	Previous PCI	Z955, Z9861
DXX05351	Other Cardiovascular Disease	I2510, I252, I2541, I255, I256, I2582, I2583, I2584, I2589, I259
DXX05359	Family history of CV disease	Z8249
DXX05368	Marfan's Syndrome	Q8740, Q87410, Q87418, Q8742, Q8743
DXX0554	CV - av block - 1st degree	I440
DXX0559	CV - right bundle branch block	I450, I4510, I4519
DXX0588	CV - other heart ds	I513, I519, I52
DXX0590	CV - hypotension	R031
DXX06203	GI - anorexia	R630
DXX07114	Hepatotoxicity	R740, R748, R749, R945
DXX08949	MS - muscle - nos - muscle weakness	M6281
DXX1094	Sxs - abnormal findings - lab or exam	R7889, R790, R7989, R799
DXX11112	GU - abnrml urinalysis	R825, R826, R827, R8271, R8279, R828, R8290, R8291, R8299
DXX1138	GU - chronic renal failure	I132
DXX1587	Congenital Heart Disease w Structural Defects	Q200, Q201, Q202, Q203, Q204, Q205, Q206, Q208, Q209, Q210, Q211, Q212, Q213, Q214, Q218, Q219, Q220, Q221, Q222, Q223, Q224, Q225, Q226, Q228, Q229, Q230, Q231, Q232, Q233, Q234, Q238, Q239, Q240, Q241, Q242, Q243, Q244, Q248, Q249, Q262, Q263, Q264, Q269
DXX16257	Blood - abnormal coagulation test	R791
DXX1920	BH - personality disorder	R4681
DXX1931	NS - insomnia	G4700
DXX1963	Anxiety Disorders	F064
DXX2008	Tobacco Use	F17200, F17201, F17210, F17211, F17220, F17221, F17290, F17291, T65211A, T65214A, T65221A, T65224A, T65291A, T65294A, Z87891
DXX2104	NS - acute pain - post op	G8918
DXX2328	Sxs - malaise / fatigue	R531, R5381, R5383
DXX2329	Sxs - chronic fatigue syndrome	R5382
DXX2332	Sxs - symptoms -other	R419, R448, R449, R6889, R69
DXX2335	Sxs - abnormal findings - lab or exam	R701, R770, R771, R778, R779, R781, R784, R785, R786, R789, R9089

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DXX2337	Prvn - routine medical exam	Z0001
DXX2340	Prvn - pre-op exam	Z0130, Z0131, Z01810, Z01811, Z01812, Z01818, Z0183
DXX2352	Othr - other	Z7409, Z77118, Z77128, Z7721, Z7722, Z779, Z789, Z8241, Z9284, Z9289
DXX2356	Othr - long-term use other medication	Z7984, Z79891, Z79899
DXX2357	Othr - longterm anticoagulation	Z7901
DXX2358	Othr - post op care	Z4803
DXX2359	Othr - other aftercare	Z4800, Z4801, Z4802, Z481, Z5181, Z7902, Z792, Z7982
DXX2369	Abnormal weight loss	R634
DXX2370	Fever & Chills	R5081, R509, R6883
DXX2378	Pain, unspecified	R52
DXX2379	Observation/Examination	Z0000, Z0189, Z0389
DXX2381	Aftercare	Z09, Z4889, Z5189
DXX2382	Preventive Screening	Z136
DXX2384	Other personal risk factors	Z9189
XX0000	Ungrouped Codes	I4811, I4819, I4820, I4821, Z0489, Z8342, J90

Table 3: ICD-10 Actionable Adverse Events

Group ID	Group Name	Code Value
DXX01384	Hemorrhagic Stroke	I60, I600, I6000, I6001, I6002, I601, I6010, I6011, I6012, I602, I6020, I6021, I6022, I603, I6030, I6031, I6032, I604, I605, I6050, I6051, I6052, I606, I607, I608, I609, I610, I611, I612, I613, I614, I615, I616, I618, I619, I6200, I6201, I6202, I621, I629
DXX01385	Thromboembolic Stroke	I6310, I63111, I63112, I63113, I63119, I6312, I63131, I63132, I63133, I63139, I6319, I6320, I63211, I63212, I63213, I63219, I6322, I63231, I63232, I63233, I63239, I6329, I6340, I63411, I63412, I63413, I63419, I63421, I63422, I63423, I63429, I63431, I63432, I63433, I63439, I63441, I63442, I63443, I63449, I6349, I6350, I63511, I63512, I63513, I63519, I63521, I63522, I63523, I63529, I63531, I63532, I63533, I63539, I63541, I63542, I63543, I63549, I6359, I636, I638, I639
DXX01388	Transient cerebral ischemia, TIA	G450, G451, G452, G458, G459, G460, G461, G462, I67841, I67848

DXX01390	Coma, persistent vegetative state	G931, G936, R4020, R402110, R402111, R402112, R402113, R402114, R402120, R402121, R402122, R402123, R402124, R402210, R402211, R402212, R402213, R402214, R402220, R402221, R402222, R402223, R402224, R402310, R402311, R402312, R402313, R402314, R402320, R402321, R402322, R402323, R402324, R402340, R402341, R402342, R402343, R402344, R403
DXX01392	Delirium, Encephalopathy	F05, G92, G9340, G9341, G9349, I674, I6783
DXX01395	Other cerebral complications	I97810, I97811, I97820, I97821
DXX04126	other lung complications	J940, J941, J942, J949, J954, J955, J95811, J95859, J9588, R091
DXX04130	Aspiration Pneumonia	J690, J698
DXX04142	Respiratory Failure	J80, J9584, J9600, J9601, J9602, J9620, J9621, J9622, J9690, J9691, J9692, R092
DXX04154	Respiratory Insufficiency	R0681, R0901, R0902, Y654, Z9981
DXX04162	Interstitial Emphysema	J982
DXX04170	Ventilator Associated Pnuemonia	J95851
DXX04172	Gram Negative Pneumonia	J155, J156
DXX04173	MRSA Pneumonia	J15212
DXX04174	Other Staph Pneumonia	J1520, J15211, J1529
DXX04176	Resp Failure following trauma / surgery	J951, J952, J95821, J95822
DXX04177	Ventilator Dependence	Z9911, Z9912
DXX04187	Other lung problems	J182, J918, J9811, J9819, R063
DXX04188	Other Bacterial Pneumonia	J158, J159, J17, J188, J189
DXX05264	arterial thromboembolism	I742, I743, I744, I745, I748, I749, I75011, I75012, I75013, I75019, I75021, I75022, I75023, I75029, I7581, I7589
DXX05272	dic, coagulation, hemorrhagic disorders	D65, D688, D689, D7582
DXX05274	Transfusion, Infusion related complications	D6951, E8771, R5084, T8029XA, T8029XD, T8030XA, T8030XD, T80310A, T80310D, T80311A, T80311D, T80319A, T80319D, T8039XA, T8039XD, T8040XA, T8040XD, T80410A, T80410D, T80411A, T80411D, T80419A, T80419D, T8049XA, T8049XD, T8051XA, T8051XD, T8059XA, T8059XD, T8061XA, T8061XD, T8069XA, T8069XD, T80818A, T80818D, T8089XA, T8089XD, T8090XA, T8090XD, T80910A, T80910D, T80911A, T80911D,

		T80919A, T80919D, T8092XA, T8092XD, T80A0XA, T80A0XD, T80A10A, T80A10D, T80A11A, T80A11D, T80A19A, T80A19D, T80A9XA, T80A9XD, Y620, Y621, Y623, Y630, Y631, Y640, Y650, Y651
DXX05275	Phlebitis, Deep vein thrombosis (DVT)	I8000, I8001, I8002, I8003, I8010, I8011, I8012, I8013, I80201, I80202, I80203, I80209, I80211, I80212, I80213, I80219, I80221, I80222, I80223, I80229, I80231, I80232, I80233, I80239, I80291, I80292, I80293, I80299, I803, I809, I821, I82401, I82402, I82403, I82409, I82411, I82412, I82413, I82419, I82421, I82422, I82423, I82429, I82431, I82432, I82433, I82439, I82441, I82442, I82443, I82449, I82491, I82492, I82493, I82499, I824Y1, I824Y2, I824Y3, I824Y9, I824Z1, I824Z2, I824Z3, I824Z9, I82811, I82812, I82813, I82819, I82890, I8290, I87001, I87002, I87003, I87009, I87011, I87012, I87013, I87019, I87021, I87022, I87023, I87029, I87031, I87032, I87033, I87039, I87091, I87092, I87093, I87099
DXX05293	Endocarditis	I330, I339
DXX05297	Hypotension / Syncope	I952, I9581, I959, R55
DXX05298	Fluid Electrolyte Acid Base Problems	E8330, E8339, E8340, E8341, E8342, E8349, E870, E871, E872, E873, E874, E875, E876, E8770, E8779, E878
DXX05299	Shock / Cardiac Arrest	I462, I468, I469, I4901, I4902, R570, R571, R578, R579, T882XXD
DXX05303	Acute CHF / pulm edema	J810, R0601
DXX05307	Peripheral Embolism	I7401, I7409, I7410, I7419
DXX05308	Pulmonary Embolism	I2690, I2692, I2699
DXX05311	Other Phlebitis, Lymphangitis, varices	I808, I82210, I82290, I82601, I82602, I82603, I82609, I82611, I82612, I82613, I82619, I82621, I82622, I82623, I82629, I82A11, I82A12, I82A13, I82A19, I82B11, I82B12, I82B13, I82B19, I82C11, I82C12, I82C13, I82C19, I891
DXX05317	Complications after heart procedures	I312, I314, I97110, I97111, I97130, I97190
DXX05342	Acute cor pulmonale	I2601, I2602, I2609
DXX05360	Peripheral Angiopathy w Gangrene	E0852, E0952, E1052, E1152, E1352, I96
DXX05367	Hypertensive Urgency	I160, I161, I169
DXX05372	Shock during or following cardiac surgery	I97120, I97121, I97710, I97790
DXX05373	Shock during or post-procedure	I97711, I97791, I9788, T8110XA, T8110XD, T8111XA, T8111XD,

		T8112XA, T8112XD, T8119XA, T8119XD
DXX05375	Dehydration	E860, E861, E869
DXX06160	Gastroenteritis	A080, A0811, A0819, A082, A0831, A0832, A0839, A084, A088, A09, K5289, K529
DXX06305	C-Difficile Infection	A047
DXX06306	GI Bleed	K2901, K2961, K2971, K2981, K2991, K625, K920, K921, K922
DXX06317	Acute esophagitis, acute gastritis, duodenitis	K2900, K2970, K2980, K2990
DXX07110	Hepatorenal Syndrome	K767
DXX09187	Wound Infections	A4852, T814XXA, T814XXD, T8183XA, T8183XD
DXX09190	Wound Dehiscence	T8130XA, T8130XD, T8131XA, T8131XD, T8132XA, T8132XD, T8133XA, T8133XD
DXX09191	Decubitus Ulcer	L89000, L89001, L89002, L89009, L89010, L89011, L89012, L89019, L89020, L89021, L89022, L89029, L89100, L89101, L89102, L89109, L89110, L89111, L89112, L89119, L89120, L89121, L89122, L89129, L89130, L89131, L89132, L89139, L89140, L89141, L89142, L89149, L89150, L89151, L89152, L89159, L89200, L89201, L89202, L89209, L89210, L89211, L89212, L89219, L89220, L89221, L89222, L89229, L89300, L89301, L89302, L89309, L89310, L89311, L89312, L89319, L89320, L89321, L89322, L89329, L8940, L8941, L8942, L8945, L89500, L89501, L89502, L89509, L89510, L89511, L89512, L89519, L89520, L89521, L89522, L89529, L89600, L89601, L89602, L89609, L89610, L89611, L89612, L89619, L89620, L89621, L89622, L89629, L89810, L89811, L89812, L89819, L89890, L89891, L89892, L89899, L8990, L8991, L8992, L8995
DXX09192	Dermatitis, Urticaria	T7841XA
DXX1030	Diabetes, poor control	E0811, E08641, E08649, E0865, E0911, E09641, E0965, E1011, E10641, E1065, E11641, E1165, E1311, E13641, E160, E161, E162
DXX11137	rhabdomyolysis	M6282
DXX11143	Urinary Tract Infection	N10, N3000, N3001, N3030, N3031, N3080, N3081, N3090, N3091, N340, N341, N342, N343, N35111, N35112,

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		N35113, N35114, N35119, N3512, N390, R309
DXX11147	Complication of genitourinary device	T83510A, T83510D, T83511A, T83511D, T83512A, T83512D, T83518A, T83518D, T8351XA, T8351XD
DXX11152	Urinary Frequency & other symptoms	R300, R34
DXX11167	Acute Kidney Failure	N170, N171, N172, N178, N179, N19, N990
DXX16296	Hemorrhage	R58, R710
DXX1849	Other bacterial infections	A4901, A498
DXX1850	MRSA, Drug Resistant Infections	A4902, B9562, Z1610, Z1611, Z1612, Z1619, Z1620, Z1621, Z1622, Z1623, Z1624, Z1629, Z1630, Z1631, Z1632, Z1633, Z16341, Z16342, Z1635, Z1639
DXX1851	Sepsis	A400, A401, A403, A408, A409, A4101, A4102, A411, A412, A413, A414, A4150, A4151, A4152, A4153, A4159, A4181, A4189, A419
DXX1852	Severe Sepsis	A483, R6511, R6520, R6521
DXX1853	Bacteremia, SIRS, no organ dysfunction	R6510, R7881
DXX19103	Altered mental status	F060, F061, F062, R400, R401, R440, R442, R443
DXX19105	Other Mental Disorders	F068
DXX2161	Complications from Central Line	T80211A, T80211D, T80212A, T80212D, T80218A, T80218D, T80219A, T80219D, T8022XA, T8022XD
DXX2164	Accidental Falls	V00811A, V00811D, V00812A, V00812D, V00818A, V00818D, W050XXA, W050XXD, W051XXA, W051XXD, W06XXXA, W06XXXD, W07XXXA, W07XXXD, W08XXXA, W08XXXD, W102XXA, W102XXD, W108XXA, W108XXD, W109XXA, W109XXD, W1811XA, W1811XD, W1812XA, W1812XD
DXX2171	Adverse effects of drugs	G4440, G4441, K1232, R502, T360X5A, T360X5D, T361X5A, T361X5D, T362X5A, T362X5D, T363X5A, T363X5D, T364X5A, T364X5D, T365X5A, T365X5D, T366X5A, T366X5D, T367X5A, T367X5D, T368X5A, T368X5D, T3695XA, T3695XD, T370X5A, T370X5D, T371X5A, T371X5D, T372X5A, T372X5D, T373X5A, T373X5D, T374X5A, T374X5D, T375X5A, T375X5D, T378X5A, T378X5D, T3795XA, T3795XD, T380X5A,

		T380X5D, T381X5A, T381X5D, T382X5A, T382X5D, T383X5A, T383X5D, T384X5D, T385X5D, T386X5A, T386X5D, T387X5A, T387X5D, T38805A, T38805D, T38815A, T38815D, T38895A, T38895D, T38905A, T38905D, T38995A, T38995D, T39015A, T39015D, T39095A, T39095D, T391X5A, T391X5D, T392X5A, T392X5D, T39315A, T39315D, T39395A, T39395D, T394X5A, T394X5D, T398X5A, T398X5D, T3995XA, T3995XD, T402X5A, T402X5D, T404X5A, T404X5D, T40605A, T40605D, T40695A, T40695D, T407X5D, T40905D, T40995D, T415X5A, T415X5D, T420X5A, T420X5D, T421X5A, T421X5D, T422X5A, T422X5D, T423X5A, T423X5D, T424X5A, T424X5D, T425X5A, T425X5D, T426X5A, T426X5D, T4275XA, T4275XD, T428X5A, T428X5D, T43015A, T43015D, T43025A, T43025D, T431X5A, T431X5D, T43205A, T43205D, T43215A, T43215D, T43225A, T43225D, T43295A, T43295D, T433X5A, T433X5D, T434X5A, T434X5D, T43505A, T43505D, T43595A, T43595D, T43605D, T43615D, T43625D, T43635A, T43635D, T43695D, T438X5D, T4395XD, T440X5A, T440X5D, T441X5A, T441X5D, T442X5A, T442X5D, T443X5A, T443X5D, T444X5A, T444X5D, T445X5A, T445X5D, T446X5A, T446X5D, T447X5A, T447X5D, T448X5A, T448X5D, T44905A, T44905D, T44995A, T44995D, T450X5A, T450X5D, T451X5D, T452X5A, T452X5D, T453X5A, T453X5D, T454X5A, T454X5D, T45515A, T45515D, T45525A, T45525D, T45605A, T45605D, T45615A, T45615D, T45625A, T45625D, T45695A, T45695D, T457X5A, T457X5D, T458X5A, T458X5D, T4595XA, T4595XD, T460X5A, T460X5D, T461X5A, T461X5D, T462X5A, T462X5D, T463X5A, T463X5D,
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DXX2175	Complications of anesthesia	T410X5A, T411X5A, T41205A, T41295A, T413X5A, T4145XA, T883XXA, T883XXD, T884XXA, T884XXD, T8851XA, T8851XD, T8852XA, T8852XD, T8853XA, T8853XD, T8859XA, T8859XD, Y653, Y700, Y701, Y702, Y703, Y708
DXX2360	Complication of Implanted device, graft	T836XXD, T85698D, T85898D, T859XXD
DXX2361	complications of surgical procedures	I97131, I97191, I97410, I97418, I9742, I9751, I9752, I97610, I97618, I9762, I97620, I97621, I97622, I97630, I97638, I97640, I97648, I9789, L7601, L7602, L7611, L7612, L7621, L7622, L7631, L7632, L7633, L7634, M96810, M96811, R5082, T81718A, T81718D, T81719A, T81719D, T8172XA, T8172XD, T8182XA, T8182XD, T8189XA, T8189XD, T819XXA, T819XXD,

		T888XXA, T888XXD, Y625, Y626, Y628, Y629, Y652, Y6551, Y6552, Y710, Y711, Y712, Y713, Y718, Y828, Y829, Y848
DXX2362	complications of medical care	I973, J95850, L7681, L7682, R680, T7841XD, T801XXA, T801XXD, T8181XA, T8181XD, T880XXA, T880XXD, T881XXA, T881XXD, T887XXA, T889XXA, T889XXD, Y633, Y635, Y636, Y638, Y639, Y641, Y648, Y649, Y658, Y66, Y69, Y844, Y846, Y847
DXX2367	Malfunction / Complication of Heart Device	T82110A, T82110D, T82111A, T82111D, T82118A, T82118D, T82119A, T82119D, T82120A, T82120D, T82121A, T82121D, T82128A, T82128D, T82129A, T82129D, T82190A, T82190D, T82191A, T82191D, T82198A, T82198D, T82199A, T82199D, T82513A, T82513D, T82514A, T82514D, T82518A, T82518D, T82519A, T82519D, T82523A, T82523D, T82524A, T82524D, T82528A, T82528D, T82529A, T82529D, T82533A, T82533D, T82534A, T82534D, T82538A, T82538D, T82539A, T82539D, T82593A, T82593D, T82594A, T82594D, T82598A, T82598D, T82599A, T82599D, T827XXA, T827XXD, T82817A, T82817D, T82818A, T82818D, T82827D, T82837A, T82837D, T82847A, T82847D, T82855A, T82855D, T82856A, T82856D, T82857A, T82857D, T82867A, T82867D, T82897A, T82897D, T829XXA, T829XXD
DXX2395	Foreign body left during procedure	T81500A, T81500D, T81501A, T81501D, T81503A, T81503D, T81505A, T81505D, T81506A, T81506D, T81507A, T81507D, T81508A, T81508D, T81509A, T81509D, T81510A, T81510D, T81511A, T81511D, T81513A, T81513D, T81515A, T81515D, T81516A, T81516D, T81517A, T81517D, T81518A, T81518D, T81519A, T81519D, T81520A, T81520D, T81521A, T81521D, T81523A, T81523D, T81525A, T81525D, T81526A, T81526D,

		T81527A, T81527D, T81528A, T81528D, T81529A, T81529D, T81530A, T81530D, T81531A, T81531D, T81533A, T81533D, T81535A, T81535D, T81536A, T81536D, T81537A, T81537D, T81538A, T81538D, T81539A, T81539D, T81590A, T81590D, T81591A, T81591D, T81593A, T81593D, T81595A, T81595D, T81596A, T81596D, T81597A, T81597D, T81598A, T81598D, T81599A, T81599D, T8160XA, T8160XD, T8161XA, T8161XD, T8169XA, T8169XD
DXX9910	HAC 02: Air Embolism	T800XXA, T800XXD
DXX9912	HAC 04: Stage III and IV Pressure Ulcers	L89003, L89004, L89013, L89014, L89023, L89024, L89103, L89104, L89113, L89114, L89123, L89124, L89133, L89134, L89143, L89144, L89153, L89154, L89203, L89204, L89213, L89214, L89223, L89224, L89303, L89304, L89313, L89314, L89323, L89324, L8943, L8944, L89503, L89504, L89513, L89514, L89523, L89524, L89603, L89604, L89613, L89614, L89623, L89624, L89813, L89814, L89893, L89894, L8993, L8994
DXX9914	HAC 09: Manifestations of Poor Glycemic Control	E0800, E0801, E0810, E0900, E0901, E0910, E1010, E1100, E1101, E1300, E1301, E1310, E15
XX0000	Ungrouped Codes	A0471, A0472, I2693, I2694, I97638, I97648, J95861, J95863, L89006, L89016, L89026, L89106, L89116, L89126, L89136, L89146, L89156, L89206, L89216, L89226, L89306, L89316, L89326, L8946, L89506, L89516, L89526, L89606, L89616, L89626, L89816, L89896, T40411A, T40411D, T40414A, T40414D, T40415A, T40415D, T40416A, T40416D, T40421A, T40421D, T40424A, T40424D, T40425A, T40425D, T40426A, T40426D, T40491A, T40491D, T40494A, T40494D, T40495A, T40495D, T40496A, T40496D, T8140XA, T8140XD, T8140XS, T8141XA, T8141XD, T8141XS, T8142XA, T8142XD, T8142XS, T8143XA, T8143XD, T8143XS, T8144XA, T8144XD, T8144XS, T8149XA,

		T8149XD, T8149XS, T8853XA, T8853XS
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Table 4: ICD-10 Relevant Procedure Codes

Group ID	Group Name	Code Value
PXX0101	Incision and excision of CNS - 001	3E0Q03Z, 3E0Q33Z
PXX0105	Insertion of catheter or spinal stimulator and injection into spinal canal - 005	3E0R33Z, 3E0R3NZ, 3E0S33Z, 3E0S3NZ
PXX0109	Other OR therapeutic nervous system procedures - 009	0JPT0MZ, 0JPT3MZ
PXX01192	Diagnostic ultrasound of head and neck - 192	B343ZZ3, B344ZZ3, B345ZZ3, B346ZZ3, B347ZZ3, B348ZZ3
PXX01198	Magnetic resonance imaging - 198	B030Y0Z, B030YZZ, B231Y0Z, B231YZZ, B231ZZZ, B233Y0Z, B233YZZ, B233ZZZ, B236Y0Z, B236YZZ, B236ZZZ, B330Y0Z, B330YZZ, B330ZZZ, B538Y0Z, B538YZZ, B538ZZZ, B539Y0Z, B539YZZ, B539ZZZ, B53SY0Z, B53SYZZ, B53SZZZ, BY31Y0Z, BY31YZZ, BY31ZZZ
PXX01199	Electroencephalogram (EEG) - 199	4A0004Z, 4A0034Z, 4A00X4Z, 4A1004Z, 4A1034Z, 4A10X4Z
PXX03231	Other therapeutic procedures - 231	039300Z, 03930ZZ, 039330Z, 03933ZZ, 039340Z, 03934ZZ, 039400Z, 03940ZZ, 039430Z, 03943ZZ, 039440Z, 03944ZZ, 059530Z, 05953ZZ, 059540Z, 05954ZZ, 059630Z, 05963ZZ, 059640Z, 05964ZZ, 0JWTXMZ, 0W2DX0Z, 0W2DXYZ, 3E00X29, 3E00XNZ, 3E01329, 3E0133Z, 3E013GC, 3E013NZ, 3E02329, 3E0233Z, 3E023NZ, 3E03029, 3E0303Z, 3E0307Z, 3E030FZ, 3E030KZ, 3E030NZ, 3E030PZ, 3E030RZ, 3E030VH, 3E030WK, 3E030XZ, 3E03329, 3E0333Z, 3E0337Z, 3E033FZ, 3E033KZ, 3E033NZ, 3E033PZ, 3E033RZ, 3E033VH, 3E033WK, 3E033XZ, 3E04029, 3E0403Z, 3E0407Z, 3E040FZ, 3E040KZ, 3E040NZ, 3E040PZ, 3E040RZ, 3E040VH, 3E040WK, 3E040XZ, 3E04329, 3E0433Z, 3E0437Z, 3E043FZ, 3E043KZ, 3E043NZ, 3E043PZ, 3E043RZ, 3E043VH, 3E043WK, 3E043XZ, 3E05029, 3E0503Z, 3E0507Z, 3E050FZ, 3E050KZ, 3E050NZ, 3E050PZ,

		3E050RZ, 3E050TZ, 3E050VH, 3E050WK, 3E050XZ, 3E05329, 3E0533Z, 3E0537Z, 3E053FZ, 3E053KZ, 3E053NZ, 3E053PZ, 3E053RZ, 3E053TZ, 3E053VH, 3E053WK, 3E053XZ, 3E06029, 3E0603Z, 3E0607Z, 3E060FZ, 3E060NZ, 3E060PZ, 3E060RZ, 3E060TZ, 3E060VH, 3E060WK, 3E060XZ, 3E06329, 3E0633Z, 3E0637Z, 3E063FZ, 3E063NZ, 3E063PZ, 3E063RZ, 3E063TZ, 3E063VH, 3E063WK, 3E063XZ, 3E080PZ, 3E083PZ, 3E09329, 3E0933Z, 3E0934Z, 3E093BZ, 3E093GC, 3E093KZ, 3E093NZ, 3E093TZ, 3E09729, 3E0973Z, 3E0974Z, 3E097BZ, 3E097GC, 3E097KZ, 3E097NZ, 3E097TZ, 3E09X29, 3E09X3Z, 3E09X4Z, 3E09XBZ, 3E09XKZ, 3E09XNZ, 3E09XTZ, 3E0D329, 3E0D33Z, 3E0D34Z, 3E0D36Z, 3E0D37Z, 3E0D3BZ, 3E0D3GC, 3E0D3KZ, 3E0D3NZ, 3E0D3RZ, 3E0D3TZ, 3E0D729, 3E0D73Z, 3E0D74Z, 3E0D76Z, 3E0D77Z, 3E0D7BZ, 3E0D7GC, 3E0D7KZ, 3E0D7NZ, 3E0D7RZ, 3E0D7TZ, 3E0DX29, 3E0DX3Z, 3E0DX4Z, 3E0DX6Z, 3E0DX7Z, 3E0DXBZ, 3E0DXKZ, 3E0DXNZ, 3E0DXRZ, 3E0DXTZ, 3E0F329, 3E0F33Z, 3E0F3NZ, 3E0F3SD, 3E0F3SF, 3E0F729, 3E0F7NZ, 3E0F7SD, 3E0F7SF, 3E0F829, 3E0F8NZ, 3E0F8SD, 3E0F8SF, 3E0Y329, 3E0Y33Z, 3E0Y3NZ, 3E1038X, 3E10X8X, 3E10X8Z, 3E1U38X, 3E1U38Z, 5A19054, 6A750Z5, 6A751Z5, 8E0H300, 8E0H30Z, XW03321, XW03331, XW03341, XW03372, XW03392, XW04321, XW04331, XW04341, XW04372, XW04392
PXX0326	Other therapeutic ear procedures - 026	0HQ2XZZ, 0HQ3XZZ, 0JB10ZZ
PXX0333	Other OR therapeutic procedures on nose, mouth and pharynx - 033	0HQ4XZZ, 0JB40ZZ
PXX04178	CT scan chest - 178	B22600Z, B2260ZZ, B22610Z, B2261ZZ, B226Y0Z, B226YZZ, B226ZZZ, B32S0ZZ, B32S1ZZ, B32SYZZ, B32SZZZ, B32T0ZZ, B32T1ZZ, B32TYZZ, B32TZZZ

PXX04216	Respiratory intubation and mechanical ventilation - 216	09HN7BZ, 09HN8BZ, 0B717DZ, 0B718DZ, 0BH072Z, 0BH073Z, 0BH07DZ, 0BH17EZ, 0BH18EZ, 0CHY7BZ, 0CHY8BZ, 0DH57BZ, 0DH58BZ, 0WHQ73Z, 0WHQ7YZ, 5A09357, 5A09457, 5A09557, 5A1935Z, 5A1945Z, 5A1955Z
PXX04217	Other respiratory therapy - 217	3E0F73Z, 3E0F76Z, 3E0F77Z, 3E0F7BZ, 3E0F7GC, 5A09358, 5A0935Z, 5A09458, 5A0945Z, 5A09558, 5A0955Z
PXX0439	Incision of pleura, thoracentesis, chest drainage - 039	0B9N00Z, 0B9N0ZZ, 0B9N30Z, 0B9N3ZZ, 0B9N40Z, 0B9N4ZZ, 0B9P00Z, 0B9P0ZZ, 0B9P30Z, 0B9P3ZZ, 0B9P40Z, 0B9P4ZZ, 0BCN0ZZ, 0BCN3ZZ, 0BCN4ZZ, 0BCP0ZZ, 0BCP3ZZ, 0BCP4ZZ, 0BPQ00Z, 0BPQ02Z, 0BPQ30Z, 0BPQ32Z, 0BPQ40Z, 0BPQ42Z, 0BPQ70Z, 0BPQ72Z, 0BPQ80Z, 0BPQ82Z, 0BWQ00Z, 0BWQ02Z, 0BWQ30Z, 0BWQ32Z, 0BWQ40Z, 0BWQ42Z, 0BWQ70Z, 0BWQ72Z, 0BWQ80Z, 0BWQ82Z, 0W190J4, 0W190JY, 0W193J4, 0W194J4, 0W194JY, 0W1B0J4, 0W1B0JY, 0W1B3J4, 0W1B4J4, 0W1B4JY, 0W9900Z, 0W990ZZ, 0W9930Z, 0W993ZZ, 0W9940Z, 0W994ZZ, 0W9B00Z, 0W9B0ZZ, 0W9B30Z, 0W9B3ZZ, 0W9B40Z, 0W9B4ZZ, 0WC90ZZ, 0WC93ZZ, 0WC94ZZ, 0WCB0ZZ, 0WCB3ZZ, 0WCB4ZZ, 0WCQ0ZZ, 0WCQ3ZZ, 0WCQ4ZZ, 0WH903Z, 0WH90YZ, 0WH933Z, 0WH93YZ, 0WH943Z, 0WH94YZ, 0WHB03Z, 0WHB0YZ, 0WHB33Z, 0WHB3YZ, 0WHB43Z, 0WHB4YZ, 0WHQ03Z, 0WHQ0YZ, 0WP900Z, 0WP903Z, 0WP90JZ, 0WP90YZ, 0WP930Z, 0WP933Z, 0WP93JZ, 0WP93YZ, 0WP940Z, 0WP943Z, 0WP94JZ, 0WP94YZ, 0WPB00Z, 0WPB03Z, 0WPB0JZ, 0WPB0YZ, 0WPB30Z, 0WPB33Z, 0WPB3JZ, 0WPB3YZ, 0WPB40Z, 0WPB43Z, 0WPB4JZ, 0WPB4YZ, 0WPQ03Z, 0WPQ0YZ, 0WW900Z, 0WW903Z, 0WW90JZ, 0WW90YZ, 0WW930Z, 0WW933Z, 0WW93JZ, 0WW93YZ, 0WW940Z, 0WW943Z, 0WW94JZ, 0WW94YZ, 0WWB00Z, 0WWB03Z, 0WWB0JZ, 0WWB0YZ, 0WWB30Z,

		0WWB33Z, 0WWB3JZ, 0WWB3YZ, 0WWB40Z, 0WWB43Z, 0WWB4JZ, 0WWB4YZ, 0WWQ03Z, 0WWQ0YZ
PXX0441	Other non-OR therapeutic procedures on respiratory system - 041	02PYXDZ
PXX0442	Other OR therapeutic procedures on respiratory system - 042	0W390ZZ, 0W3B0ZZ, 0W3D0ZZ
PXX05191	Arterio- or venogram (not heart and head) - 191	B2000ZZ, B2001ZZ, B200YZZ, B201YZZ, B202YZZ, B203YZZ, B2060ZZ, B2061ZZ, B206YZZ, B2100ZZ, B2101ZZ, B210YZZ, B2110ZZ, B2111ZZ, B211YZZ, B2120ZZ, B2121ZZ, B212YZZ, B2130ZZ, B2131ZZ, B213YZZ, B2160ZZ, B2161ZZ, B216YZZ, B5080ZZ, B5081ZZ, B508YZZ, B5090ZZ, B5091ZZ, B509YZZ, B5130ZA, B5131ZA, B513YZA, B5140ZA, B5141ZA, B514YZA, B5150ZA, B5151ZA, B515YZA, B5160ZA, B5161ZA, B516YZA, B5170ZA, B5171ZA, B517YZA, B5180ZA, B5180ZZ, B5181ZA, B5181ZZ, B518YZA, B518YZZ, B518ZZA, B5190ZA, B5190ZZ, B5191ZA, B5191ZZ, B519YZA, B519YZZ, B519ZZA
PXX05193	Diagnostic ultrasound of heart (echocardiogram) - 193	B240YZZ, B240ZZ3, B240ZZ4, B240ZZZ, B241YZZ, B241ZZ3, B241ZZ4, B241ZZZ, B244YZZ, B244ZZ3, B244ZZ4, B244ZZZ, B245YZZ, B245ZZ3, B245ZZ4, B245ZZZ, B246YZZ, B246ZZ3, B246ZZ4, B246ZZZ, B24BYZZ, B24BZZ4, B24BZZZ, B24CYZZ, B24CZZ4, B24CZZZ, B24DYZZ, B24DZZ3, B24DZZ4, B24DZZZ
PXX05197	Other diagnostic ultrasound - 197	B24BZZ3, B24CZZ3, B340ZZ3, B340ZZZ, B341ZZ3, B341ZZZ, B342ZZ3, B342ZZZ, B34SZZ3, B34SZZZ, B34TZZ3, B34TZZZ, B546ZZ3, B546ZZA, B546ZZZ, B547ZZ3, B547ZZA, B547ZZZ
PXX05201	Cardiac stress tests - 201	4A0234Z, 4A02XM4, 4A1234Z, 4A12XM4
PXX05202	Electrocardiogram - 202	4A0204Z, 4A020FZ, 4A02X4A, 4A02X4Z, 4A02XFZ
PXX05203	Electrographic cardiac monitoring - 203	4A1204Z, 4A12X4Z
PXX05204	Swan-Ganz catheterization for monitoring - 204	02HP02Z, 02HP32Z, 02HP42Z, 02HQ02Z, 02HQ32Z, 02HQ42Z, 02HR02Z, 02HR32Z, 02HR42Z,

		02HV02Z, 02HV32Z, 02HV42Z, 4A0239Z, 4A1239Z
PXX05205	Arterial blood gases - 205	4A030R1, 4A033R1, 4A03XR1, 4A130R1, 4A133R1, 4A13XR1
PXX05226	Other diagnostic radiology and related techniques - 226	4A12XSH, 8E023DZ, B210010, B210110, B210Y10, B211010, B211110, B211Y10, B212010, B212110, B212Y10, B213010, B213110, B213Y10, B221Z2Z, B223Z2Z, B226Z2Z, B320Z2Z, B32SZ2Z, B32TZ2Z, B516ZZA, B517ZZA, B52QZ2Z, B52RZ2Z, B52SZ2Z, BB0DZZZ, BB12ZZZ, BB13ZZZ, BB14ZZZ, BB16ZZZ, BB1CZZZ, BB1DZZZ, BW00ZZZ, BW01ZZZ, BW11ZZZ
PXX05227	Other diagnostic procedures (interview, evaluation, consultation) - 227	02HW00Z, 02HW30Z, 02HW40Z, 02HX00Z, 02HX30Z, 02HX40Z, 3E063KZ, 4A0209Z, 4A020CZ, 4A020HZ, 4A020PZ, 4A023CZ, 4A023HZ, 4A023PZ, 4A02X9Z, 4A02XCZ, 4A02XHZ, 4A02XPZ, 4A03051, 4A03053, 4A0305C, 4A030B3, 4A030BC, 4A030H1, 4A030J1, 4A030J3, 4A030JC, 4A03351, 4A03353, 4A0335C, 4A033B3, 4A033BC, 4A033H1, 4A033J1, 4A033J3, 4A033JC, 4A03X51, 4A03XB1, 4A03XH1, 4A03XJ1, 4A04050, 4A04051, 4A04052, 4A04053, 4A040B0, 4A040B2, 4A040J0, 4A040J1, 4A040J2, 4A040J3, 4A040R1, 4A04350, 4A04351, 4A04352, 4A04353, 4A043B0, 4A043B2, 4A043J0, 4A043J1, 4A043J2, 4A043J3, 4A043R1, 4A04XB1, 4A04XJ1, 4A04XR1, 4A0971Z, 4A0975Z, 4A097CZ, 4A097DZ, 4A097LZ, 4A097MZ, 4A0981Z, 4A098CZ, 4A098DZ, 4A098LZ, 4A098MZ, 4A09X1Z, 4A09X5Z, 4A09XCZ, 4A09XDZ, 4A09XLZ, 4A09XMZ, 4A0B78Z, 4A0B7GZ, 4A0B88Z, 4A0B8GZ, 4A0Z76Z, 4A0Z7KZ, 4A0ZX6Z, 4A1209Z, 4A120CZ, 4A120FZ, 4A120HZ, 4A123CZ, 4A123FZ, 4A123HZ, 4A12X45, 4A12X9Z, 4A12XCZ, 4A12XFZ, 4A12XHZ, 4A13051, 4A13053, 4A1305C, 4A130B1, 4A130B3, 4A130BC, 4A130H1, 4A130J1, 4A130J3, 4A130JC, 4A13351, 4A13353, 4A1335C, 4A133B1, 4A133B3, 4A133BC, 4A133H1, 4A133J1, 4A133J3, 4A133JC, 4A13X51,

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PXX05228	Electrophysiology Studies, Cryoablation	02JA3ZZ, 02JY3ZZ, 02K80ZZ, 02K83ZZ, 02K84ZZ, 0WJD0ZZ, 0WJD3ZZ, 4A023FZ
PXX05232	Insertion of Defibrillator	02PA0MZ, 02PA3MZ, 02PA4MZ, 02PAXMZ
PXX05233	Insertion of Generator alone	0JH602Z, 0JH607Z, 0JH608Z, 0JH609Z, 0JH632Z, 0JH637Z, 0JH638Z, 0JH639Z, 0JH807Z, 0JH808Z, 0JH809Z, 0JH837Z, 0JH838Z, 0JH839Z, 0JWT02Z, 0JWT32Z
PXX05234	Insertion of leads	02H40JZ, 02H40KZ, 02H40MZ, 02H43JZ, 02H43KZ, 02H43MZ, 02H44JZ, 02H44KZ, 02H44MZ, 02H60JZ, 02H60KZ, 02H60MZ, 02H63JZ, 02H63KZ, 02H63MZ, 02H64JZ, 02H64KZ, 02H64MZ, 02H70JZ, 02H70KZ, 02H70MZ, 02H73JZ, 02H73KZ, 02H73MZ, 02H74JZ, 02H74KZ, 02H74MZ, 02HK00Z, 02HK02Z, 02HK0JZ, 02HK0KZ, 02HK0MZ, 02HK30Z, 02HK32Z, 02HK3JZ, 02HK3KZ, 02HK3MZ, 02HK40Z, 02HK42Z, 02HK4JZ, 02HK4KZ, 02HK4MZ, 02HLOJZ, 02HLOKZ, 02HLOMZ, 02HL3JZ, 02HL3KZ, 02HL3MZ, 02HL4JZ, 02HL4KZ, 02HL4MZ, 02HNOJZ, 02HNOKZ, 02HNOMZ, 02HN3JZ, 02HN3KZ, 02HN3MZ, 02HN4JZ, 02HN4KZ, 02HN4MZ, 02WA0MZ, 02WA3MZ, 02WA4MZ
PXX05235	Insertion of Pacemaker	0JH600Z, 0JH604Z, 0JH605Z, 0JH606Z, 0JH60PZ, 0JH630Z, 0JH634Z, 0JH635Z, 0JH636Z, 0JH63PZ, 0JH800Z, 0JH804Z, 0JH805Z, 0JH806Z, 0JH80PZ, 0JH830Z, 0JH834Z, 0JH835Z, 0JH836Z, 0JH83PZ, 0JWT0PZ, 0JWT3PZ, 5A1213Z, 5A1223Z

PXX05236	Other Surgery of Heart & Valve	02B73ZZ, 02QA0ZZ
PXX05240	Ventricular Repair, Postinfarct VSD	02B63ZZ, 02BL3ZZ
PXX05245	Removal of Cardiac Rhythm Device	0JPT0PZ, 0JPT3PZ
PXX0547	Diagnostic cardiac catheterization, coronary arteriography - 047	4A020N6, 4A020N7, 4A023N6, 4A023N7, B2010ZZ, B2011ZZ, B2020ZZ, B2021ZZ, B2030ZZ, B2031ZZ, B2040ZZ, B2041ZZ, B204YZZ, B2050ZZ, B2051ZZ, B205YZZ, B2140ZZ, B2141ZZ, B214YZZ, B2150ZZ, B2151ZZ, B215YZZ
PXX0549	Other OR heart procedures - 049	02540ZZ, 02543ZZ, 02544ZZ, 02553ZZ, 02563ZZ, 02573ZZ, 02583ZZ, 02593ZZ, 025F3ZZ, 025G3ZZ, 025H3ZZ, 025J3ZZ, 025K3ZZ, 025L3ZZ, 025M3ZZ, 02B40ZZ, 02B43ZZ, 02B44ZZ, 02B53ZZ, 02B83ZZ, 02B93ZZ, 02BF3ZZ, 02BG3ZZ, 02BH3ZZ, 02BJ3ZZ, 02BM3ZZ, 02C40ZZ, 02C43ZZ, 02C44ZZ, 02H40ZZ, 02H403Z, 02H40DZ, 02H432Z, 02H433Z, 02H43DZ, 02H442Z, 02H443Z, 02H44DZ, 02L70CK, 02L70DK, 02L73CK, 02L73DK, 02L74CK, 02L74DK, 02N60ZZ, 02N63ZZ, 02N64ZZ, 02N70ZZ, 02N73ZZ, 02N74ZZ, 02Q00ZZ, 02Q03ZZ, 02Q04ZZ, 02Q10ZZ, 02Q13ZZ, 02Q14ZZ, 02Q20ZZ, 02Q23ZZ, 02Q24ZZ, 02Q30ZZ, 02Q33ZZ, 02Q34ZZ, 02Q40ZZ, 02Q43ZZ, 02Q44ZZ, 02S00ZZ, 02S10ZZ, 02T83ZZ, 02UA0JZ, 02UA3JZ, 02UA4JZ
PXX0554	Other vascular catheterization, not heart - 054	02H633Z, 02HK33Z, 02HP03Z, 02HP33Z, 02HP43Z, 02HQ03Z, 02HQ33Z, 02HQ43Z, 02HR03Z, 02HR33Z, 02HR43Z, 02HS03Z, 02HS33Z, 02HS43Z, 02HT03Z, 02HT33Z, 02HT43Z, 02HV03Z, 02HV33Z, 02HV43Z, 02HW03Z, 02HW33Z, 02HW43Z, 02HX03Z, 02HX33Z, 02HX43Z, 03H003Z, 03H033Z, 03H043Z, 03H103Z, 03H133Z, 03H143Z, 03H203Z, 03H233Z, 03H243Z, 03H303Z, 03H333Z, 03H343Z, 03H403Z, 03H433Z, 03H443Z, 03H503Z, 03H533Z, 03H543Z, 03H603Z, 03H633Z, 03H643Z, 03H703Z, 03H733Z, 03H743Z, 03H803Z, 03H833Z, 03H843Z, 03H903Z,

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PXX0559	Other OR procedures on vessels of head and neck - 059	03PY0MZ, 03PY3MZ, 03PY4MZ, 03WY0MZ, 03WY3MZ, 03WY4MZ, 0JWT0MZ, 0JWT3MZ
PXX0561	Other OR procedures on vessels other than head and neck - 061	02QP0ZZ, 02QP3ZZ, 02QP4ZZ, 02QQ0ZZ, 02QQ3ZZ, 02QQ4ZZ,

		02QR0ZZ, 02QR3ZZ, 02QR4ZZ, 02QS0ZZ, 02QS3ZZ, 02QS4ZZ, 02QT0ZZ, 02QT3ZZ, 02QT4ZZ, 02QV0ZZ, 02QV3ZZ, 02QV4ZZ, 02QW0ZZ, 02QW3ZZ, 02QW4ZZ, 02QX0ZZ, 02QX3ZZ, 02QX4ZZ, 03H30DZ, 03H33DZ, 03H34DZ, 03H40DZ, 03H43DZ, 03H44DZ, 03Q30ZZ, 03Q33ZZ, 03Q34ZZ, 03Q40ZZ, 03Q43ZZ, 03Q44ZZ, 05H50DZ, 05H53DZ, 05H54DZ, 05H60DZ, 05H63DZ, 05H64DZ, 05Q50ZZ, 05Q53ZZ, 05Q54ZZ, 05Q60ZZ, 05Q63ZZ, 05Q64ZZ, 0W3D3ZZ, 0W3D4ZZ, 4A1BXSH, 4A1GXSH, B310010, B310110, B310Y10, B311010, B311110, B311Y10, B312010, B312110, B312Y10, B313010, B313110, B313Y10, B314010, B314110, B314Y10, B315010, B315110, B315Y10, B316010, B316110, B316Y10, B317010, B317110, B317Y10, B318010, B318110, B318Y10, B319010, B319110, B319Y10, B31B010, B31B110, B31BY10, B31C010, B31C110, B31CY10, B31D010, B31D110, B31DY10, B31F010, B31F110, B31FY10, B31G010, B31G110, B31GY10, B31H010, B31H110, B31HY10, B31J010, B31J110, B31JY10, B31K010, B31K110, B31KY10, B31L010, B31L110, B31LY10, B31M010, B31M110, B31MY10, B31N010, B31N110, B31NY10, B31P010, B31P110, B31PY10, B31Q010, B31Q110, B31QY10, B31R010, B31R110, B31RY10, B31S010, B31S110, B31SY10, B31T010, B31T110, B31TY10, B410010, B410110, B410Y10, B412010, B412110, B412Y10, B413010, B413110, B413Y10, B414010, B414110, B414Y10, B415010, B415110, B415Y10, B416010, B416110, B416Y10, B417010, B417110, B417Y10, B418010, B418110, B418Y10, B419010, B419110, B419Y10, B41B010, B41B110, B41BY10, B41C010, B41C110, B41CY10, B41D010, B41D110, B41DY10, B41F010, B41F110, B41FY10, B41G010, B41G110, B41GY10, B41J010, B41J110, B41JY10
PXX0562	Other diagnostic cardiovascular procedures - 062	02B40ZX, 02B43ZX, 02B44ZX, 02B50ZX, 02B53ZX, 02B54ZX,

		02B60ZX, 02B63ZX, 02B64ZX, 02B70ZX, 02B73ZX, 02B74ZX, 02B80ZX, 02B83ZX, 02B84ZX, 02B90ZX, 02B93ZX, 02B94ZX, 02BD0ZX, 02BD3ZX, 02BD4ZX, 02BF0ZX, 02BF3ZX, 02BF4ZX, 02BG0ZX, 02BG3ZX, 02BG4ZX, 02BH0ZX, 02BH3ZX, 02BH4ZX, 02BJ0ZX, 02BJ3ZX, 02BJ4ZX, 02BK0ZX, 02BK3ZX, 02BK4ZX, 02BL0ZX, 02BL3ZX, 02BL4ZX, 02BM0ZX, 02BM3ZX, 02BM4ZX, 02BN0ZX, 02BN3ZX, 02BN4ZX, 02BP0ZX, 02BP3ZX, 02BP4ZX, 02BQ0ZX, 02BQ3ZX, 02BQ4ZX, 02BR0ZX, 02BR3ZX, 02BR4ZX, 02BS0ZX, 02BS3ZX, 02BS4ZX, 02BT0ZX, 02BT3ZX, 02BT4ZX, 02BV0ZX, 02BV3ZX, 02BV4ZX, 02BW0ZX, 02BW3ZX, 02BW4ZX, 02BX0ZX, 02BX3ZX, 02BX4ZX, 02H400Z, 02H430Z, 02H440Z, 02H600Z, 02H630Z, 02H640Z, 02H700Z, 02H730Z, 02H740Z, 02HL00Z, 02HL30Z, 02HL40Z, 02HP00Z, 02HP30Z, 02HP40Z, 02HQ00Z, 02HQ30Z, 02HQ40Z, 02HR00Z, 02HR30Z, 02HR40Z, 02HS00Z, 02HS30Z, 02HS40Z, 02HT00Z, 02HT30Z, 02HT40Z, 02HV00Z, 02HV30Z, 02HV40Z, 03930ZX, 03933ZX, 03934ZX, 03940ZX, 03943ZX, 03944ZX, 03B30ZX, 03B33ZX, 03B34ZX, 03B40ZX, 03B43ZX, 03B44ZX, 05950ZX, 05953ZX, 05954ZX, 05960ZX, 05963ZX, 05964ZX, 05B50ZX, 05B53ZX, 05B54ZX, 05B60ZX, 05B63ZX, 05B64ZX
PXX0563	Other non-OR therapeutic cardiovascular procedures - 063	059500Z, 05950ZZ, 059600Z, 05960ZZ, 0W9D30Z, 0W9D3ZX, 0W9D3ZZ, 0W9D40Z, 0W9D4ZX, 0W9D4ZZ, 3E070GC, 3E070KZ, 3E073GC, 3E073KZ, 3E080KZ, 3E083KZ
PXX06223	Enteral and parenteral nutrition - 223	3E0306Z, 3E0336Z, 3E0406Z, 3E0436Z, 3E0506Z, 3E0536Z, 3E0606Z, 3E0636Z
PXX08164	Other OR therapeutic procedures on musculoskeletal system - 164	0HQBXZZ, 0HQCXZZ, 0HQDXZZ, 0HQEXZZ, 0HQFXZZ, 0HQGXZZ, 0HQHXZZ, 0HQJXZZ, 0HQKXZZ, 0HQLXZZ, 0HQMXXZ, 0HQNXZZ
PXX10209	Radioisotope scan and function studies - 209	C2161ZZ, C216YZZ, C21G1ZZ, C21GDZZ, C21GSZZ, C21GYZZ, C21GZZZ, C21YYZZ, C2261ZZ,

		C226YZZ, C22G1ZZ, C22GDZZ, C22GKZZ, C22GSZZ, C22GYZZ, C22GZZZ, C22YYZZ, C23GKZZ, C23GMZZ, C23GQZZ, C23GRZZ, C23GYZZ, C23YYZZ, C2561ZZ, C256YZZ, C25YYZZ, C51B1ZZ, C51BYZZ, C51C1ZZ, C51CYZZ, C51D1ZZ, C51DYZZ, C51N1ZZ, C51NYZZ, C51P1ZZ, C51PYZZ, C51Q1ZZ, C51QYZZ, C51R1ZZ, C51RYZZ, C51YYZZ, C7101ZZ, C710DZZ, C710YZZ, C7121ZZ, C712YZZ, C713DZZ, C713YZZ, C7221ZZ, C722YZZ, C7631ZZ, C7637ZZ, C763CZZ, C763DZZ, C763HZZ, C763WZZ, C763YZZ
PXX11108	Indwelling catheter - 108	0T9B70Z, 0T9B80Z, 0T9C70Z, 0T9C80Z
PXX16222	Blood transfusion - 222	30230H0, 30230H1, 30230J0, 30230J1, 30230K0, 30230K1, 30230L0, 30230L1, 30230M0, 30230M1, 30230N0, 30230N1, 30230P0, 30230P1, 30230Q0, 30230Q1, 30230R0, 30230R1, 30230S0, 30230T0, 30230T1, 30230V0, 30230V1, 30230W0, 30230W1, 30233H0, 30233H1, 30233J0, 30233J1, 30233K0, 30233K1, 30233L0, 30233L1, 30233M0, 30233M1, 30233N0, 30233N1, 30233P0, 30233P1, 30233Q0, 30233Q1, 30233R0, 30233R1, 30233S0, 30233T0, 30233T1, 30233V0, 30233V1, 30233W0, 30233W1, 30240H0, 30240H1, 30240J0, 30240J1, 30240K0, 30240K1, 30240L0, 30240L1, 30240M0, 30240M1, 30240N0, 30240N1, 30240P0, 30240P1, 30240Q0, 30240Q1, 30240R0, 30240R1, 30240S0, 30240T0, 30240T1, 30240V0, 30240V1, 30240W0, 30240W1, 30243H0, 30243H1, 30243J0, 30243J1, 30243K0, 30243K1, 30243L0, 30243L1, 30243M0, 30243M1, 30243N0, 30243N1, 30243P0, 30243P1, 30243Q0, 30243Q1, 30243R0, 30243R1, 30243S0, 30243T0, 30243T1, 30243V0, 30243V1, 30243W0, 30243W1, 30250H0, 30250H1, 30250J0, 30250J1, 30250K0, 30250K1, 30250L0, 30250L1, 30250M0, 30250M1, 30250N0, 30250N1, 30250P0, 30250P1, 30250Q0, 30250Q1, 30250R0, 30250R1, 30250S0, 30250T0, 30250T1, 30250V0, 30250V1, 30250W0, 30250W1, 30253H0, 30253H1, 30253J0,

		30253J1, 30253K0, 30253K1, 30253L0, 30253L1, 30253M0, 30253M1, 30253N0, 30253N1, 30253P0, 30253P1, 30253Q0, 30253Q1, 30253R0, 30253R1, 30253S0, 30253T0, 30253T1, 30253V0, 30253V1, 30253W0, 30253W1, 30260H0, 30260H1, 30260J0, 30260J1, 30260K0, 30260K1, 30260L0, 30260L1, 30260M0, 30260M1, 30260N0, 30260N1, 30260P0, 30260P1, 30260Q0, 30260Q1, 30260R0, 30260R1, 30260S0, 30260T0, 30260T1, 30260V0, 30260V1, 30260W0, 30260W1, 30263H0, 30263H1, 30263J0, 30263J1, 30263K0, 30263K1, 30263L0, 30263L1, 30263M0, 30263M1, 30263N0, 30263N1, 30263P0, 30263P1, 30263Q0, 30263Q1, 30263R0, 30263R1, 30263S0, 30263T0, 30263T1, 30263V0, 30263V1, 30263W0, 30263W1, 3E030GC, 3E033GC, 3E040GC, 3E043GC, 3E050GC, 3E053GC, 3E060GC, 3E063GC
XX0000	Ungrouped Codes	4A0274Z, 4A0279Z, 4A027CZ, 4A027FZ, 4A027HZ, 4A027N6, 4A027N7, 4A027N8, 4A027PZ, 4A0284Z, 4A0289Z, 4A028CZ, 4A028FZ, 4A028HZ, 4A028N6, 4A028N7, 4A028N8, 4A028PZ, 4A1274Z, 4A1279Z, 4A127CZ, 4A127FZ, 4A127HZ, 4A1284Z, 4A1289Z, 4A128CZ, 4A128FZ, 4A128HZ, 0JH60FZ, 0JH63FZ, 0JPT0FZ, 0JPT3FZ, 0JWT0FZ, 0JWT3FZ, 0JWTXFZ

Table 5: Relevant Procedure Codes CPT/HCPCS

Group ID	Group Name	Code Value
CT0025	Preventive Medicine, Care Coordination	93790, 93797, 93798, 98960, 98961, 98962, 98966, 98967, 98968, 99078, 99366, 99367, 99368, 99382, 99383, 99384, 99385, 99386, 99387, 99392, 99393, 99394, 99395, 99396, 99397, 99401, 99402, 99403, 99404, 99411, 99412, 99429, 99441, 99442, 99443, 99446, 99447, 99448, 99449, 99499, G0108, G0109, G0175, G0406, G0407, G0408, G0422, G0423, G0424, G0425, G0426, G0427, G8686, G8688, G8690,

		G8692, G9458, S0220, S0221, S0315, S0316, S0317, S0320, S0340, S0341, S0342
CT0026	Anesthesia and pain meds	J0780, J1630, J1631, J2270, J2310, J2680, J2794, J3010, J3070, J3230, J3486, S0012, S0092, S0093, S0136, S0166
CT0059	LVEF < 40% or LV systolic dysfunction	3021F, 3055F, G8027, G8028, G8030, G8031, G8450, G8451, G8452, G8468, G8469, G8472, G8694, G8738, G8923, G8934
CT0076	Coronary Thrombolysis	92977
CT0080	Imaging Abdomen	76999
CT0082	Medications for pain	96372, J0592, J1230, J2315
CT0083	Blood Type, Coomb's test	86077, 86880, 86900, 86901
CT0089	Metabolic Renal Hepatic Chemistry Panel	80047, 80048, 80050, 80051, 80053, 80069, 80074, 80076, 82040, 82247, 82248, 82310, 82330, 82374, 82435, 82565, 82575, 82947, 84132, 84155, 84295, 84450, 84460, 84520, 84550
CT0091	Physician Services - Outpatient	99050, 99051, 99053, 99201, 99202, 99203, 99204, 99205, 99211, 99212, 99213, 99214, 99215, 99241, 99242, 99243, 99244, 99245, 99354, 99355, 99381, 99391, T1015
CT0092	Physician Services - Inpatient	99221, 99222, 99223, 99238, 99239, 99252, 99253, 99254, 99255
CT0096	Subsequent Physician Services Inpatient	99462
CT0097	Vitamin K administration	J3430
CT0131	Procedure - anesthesia	1992
CT0134	Rx - central nervous system - vascular 5ht1 agonists	J3030
CT0136	Rx - central nervous system - antidepressants	S0106
CT0137	Rx - central nervous system - tranq/antipsychotics	J1790, J2950, J3310, J3400
CT01394	Medications (Injections, infusions and other forms)	J0171, J0695, J0714, J0875, J1680, J7121, J7131
CT01395	DME and supplies	E1012
CT0140	Rx - central nervous system - barbiturates	J2515, J2560
CT0141	Rx - central nervous system - benzodiazepines	J1990, J2060, J2250, J3360
CT0142	Rx - central nervous system - anxiolytic/sedative/hypnot nec	J3410
CT0144	Imaging - ct - head / brain	70450, 70470
CT02387	Pathology	81280, 81281, 81282

CT0415	Procedure - chest tube / thoracentesis - thoracentesis	32421
CT0416	Procedure - chest tube / thoracentesis - insertion of chest tube	32422, 32550, 32551, 32552
CT0424	Rx - respiratory - beta agonists	J7606
CT0425	Rx - respiratory - phenylephrine	J2370
CT0427	Rx - respiratory - methylxanthines	J1180, J2810
CT04280	Lung Function Tests	94010
CT04281	Blood Gases, Pulse Oximetry	82800, 82803, 82805, 82810, 94760, 94761, 94762
CT04282	Chest X-Ray	71010, 71015, 71020, 71021, 71022, 71023, 71030, 71034, 71035
CT0429	Other care - respiratory therapy	94667, 94668, 99503, S5180, S5181
CT0431	Other care - respiratory - rehabilitation	G0237, G0238, G0239, S9473
CT0433	Other care - respiratory - ventilator management	31500, 94660, 94662, 99504
CT04356	Other diagnostic ultrasound	37252, 37253
CT0439	Other care - respiratory - equipment / supplies - peak flow meter	S8096
CT0441	Other care - respiratory - equipment / supplies - apnea monitor	A4556, A4557
CT0443	Other care - respiratory - other	94002, 94003, 94004, 94776, 95012, A4483, A4604, A4605, A4606, A4608, S8999
CT0444	Other care - prevention - smoking cessation	S9453
CT0449	Imaging - nuclear - lung scan	78580, 78582, 78584, 78585, 78586, 78587, 78588, 78591, 78593, 78594, 78596, 78599, A9536, A9558
CT0453	Tests - pulmonary - peak flow	S8110
CT0463	Tests - pulmonary - other	94770
CT05112	Procedure - artery - extremity - angioplasty - transluminal / percutaneous	75962, 75964
CT05114	Procedure - artery - extremity - exploration	35860
CT05115	Procedure - artery - extremity - ligation	37618
CT05116	Procedure - artery - extremity - injection of thrombin	36002
CT05124	Procedure - artery - nos - thrombolysis	75896
CT0513	Procedure - pacemaker / defibrillator - transcutaneous pacing	92953
CT05133	Procedure - artery / vein - nos - closure / closure device	C1760, G0269
CT05134	Procedure - artery / vein - nos - thrombectomy catheter	C1757
CT05135	Procedure - artery / vein - nos - other	75961

CT0514	Procedure - pacemaker / defibrillator - transesophageal pacing	C1756
CT05150	Procedure - vein - vena cava - filter	C1880
CT05159	Procedure - vein - nos - angioplasty	75978
CT05171	Procedure - central venous catheter - insertion	36556, 36557, 36558, 36560, 36561, 36563, 36565, 36566, 36568, 36569, 36570, 36571, S5522, S5523
CT05172	Procedure - central venous catheter - fluoroscopy - guidance	77001
CT05173	Procedure - central venous catheter - replacement	36578, 36580, 36581, 36582, 36583, 36584, 36585
CT05174	Procedure - central venous catheter - repair / maintenance	36575, 36576, 36595, 36596, 36597, 36598, 75901, 75902
CT05175	Procedure - central venous catheter - removal	36589, 36590
CT05176	Procedure - peripheral venous catheter	36000
CT05177	Procedure - catheter - venous - other - vena cava or selective branch catheter	36010
CT05178	Procedure - catheter - venous - other - other	36425, 36500
CT05179	Procedure - catheter - arterial - arterial line for monitoring	36620, 36625
CT0518	Procedure - pacemaker / defibrillator - other - pacemaker / defibrillator proced	33202, 33203, 33215, 33216, 33217, 33218, 33220, 33222, 33223, 33226, 33233, 33234, 33235, 33236, 33237, 33238, 33241, 33243, 33244, 93745
CT05180	Procedure - catheter - arterial - catheter in aorta	36200
CT05183	Procedure - catheter - arterial - other	36140
CT05184	Procedure - vascular access - port / pump - insertion	C1772, C2626, E0782, E0783, E0786
CT05190	Procedure - anesthesia	00530, 00534, 00537, 00560
CT05192	Therapy - cardiac rehab	S9472
CT05193	Rx - cardiovascular system - cardiac drugs	J1742, J2260
CT05194	Rx - cardiovascular system - cardiac glycosides	J1160
CT05195	Rx - cardiovascular system - antiarrhythmic rx	J0150, J0152, J0282, J2690
CT05196	Rx - cardiovascular system - beta blockers	J1800
CT05197	Rx - cardiovascular system - hypotensive rx	J0360, J0735, J1730, J2760, S0139
CT05199	Rx - cardiovascular system - vasodilating rx	J2440, J2670, J3285, K0455, S0155
CT05201	Rx - cardiovascular system - natriuretic peptides	J2325
CT05202	Rx - diuretics, loop diuretics	J1940, J3265, S0171
CT05203	Rx - diuretics, osmotic	J2150, J3350

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CT05204	Rx - diuretics, thiazides / related	J1205
CT05205	Rx - diuretics - diuretic, carb anhydrase inhib	J1120
CT05208	Other care - other - pacemaker - monitor	E0610, E0615
CT05209	Other care - other - external defibrillator	E0617, K0606, K0607, K0608, K0609
CT0521	Procedure - pericardiocentesis	33010, 33011, 76930
CT05210	Other care - other - pvd - compressor	E0675
CT05213	Imaging - ct - cardiac	75571, 75572, 75573, S8092
CT05214	Imaging - cta - coronary	75574
CT05216	Imaging - us - intravascular	37250, 37251, 75945, 75946, C1753
CT05219	Imaging - angiography - aortogram	75600, 75605, 75625, 75630
CT05221	Imaging - venography - extremities	36005
CT05222	Imaging - venography - vena cava	75825
CT05223	Imaging - venography - other	75827
CT0523	Procedure - cardioversion	92960, 92961
CT05230	Tests - cardiac stress tests - cardiac stress tests - other	78459, 78491, 78492, 78499, S3904
CT05231	Tests - other cardiac scans - infarct scan	78466, 78468, 78469
CT05232	Tests - other cardiac scans	78414, 78428, 78445
CT05233	Tests - cardiac - ecg - ecg - 12 lead	R0076
CT05234	Tests - cardiac - ecg - other	93025, 93278, S9025
CT05236	Tests - cardiac - ecg monitoring - event recorder	C1764, E0616
CT05239	Tests - cardiac - echo - intracardiac	C1759
CT05240	Tests - cardiac - echo - contrast agent	A9700, Q9955, Q9956
CT05241	Tests - cardiac - doppler	93320, 93321, 93325
CT05249	Tests - cardiac - electrophysiology - tilt table evaluation	93660
CT0525	Procedure - cardiac assist device - intra - aortic balloon	33967, 33968, 33970, 33971, 33973, 33974
CT05250	Tests - cardiac - electrophysiology - other	93615, 93616, 93662
CT05251	Tests - cardiac - electrophysiology - supplies - other	C1730, C1731, C1732, C1733, C1766, C1892, C1893, C2629, C2630
CT05252	Tests - cardiac - swan ganz	93503
CT05253	Tests - cardiac - analysis - pace / defib	93727
CT05254	Tests - cardiac - monitoring - chf	S9109
CT05255	Tests - cardiac - other	93799, Q0035, S3902
CT05256	Tests - cardiac - radiopharmaceuticals	A9500, A9501, A9502, A9505, A9526, A9555
CT05257	Tests - vascular - arterial - extremity	93923, 93924, 93925, 93926

CT05258	Tests - vascular - venous	93965, 93970, 93971
CT0526	Procedure - cardiac assist device - lvad	93750, Q0480, Q0481, Q0482, Q0483, Q0484, Q0485, Q0486, Q0487, Q0488, Q0489, Q0490, Q0491, Q0492, Q0493, Q0494, Q0495, Q0496, Q0497, Q0498, Q0499, Q0500, Q0501, Q0502, Q0503, Q0504, Q0505, Q0506
CT05260	Tests - cardiovascular - other	93701, 93740, 93760, 93762, 93770, 93784, 93786, 93788
CT05262	Electrophysiology Studies, Cryoablation	93600, 93602, 93603, 93609, 93610, 93612, 93613, 93618, 93619, 93620, 93621, 93622, 93623, 93624, 93631, 93650, 93651, 93652
CT05265	Insertion of Defibrillator	0319T, 33240, 33249, 33262, 33263, 33264, 33270, 33271, C1721, C1722, C1882, G0448
CT05266	Insertion of Generator alone	0321T, 33212, 33213, 33221, 33227, 33228, 33229, 33230, 33231
CT05267	Insertion of leads	33224, 33225, C1777, C1779, C1895, C1896, C1898, C1899, C1900
CT05268	Insertion of Pacemaker	0387T, 33206, 33207, 33208, 33214, 71090, C1785, C1786, C2619, C2620, C2621
CT0527	Procedure - extracorporeal circulation	92970, 92971
CT05271	Shock / Cardiac Arrest	32160, 92950
CT05273	Transvenous Pacemaker	33210, 33211
CT05305	Pacemaker Defibrillator Check	93279, 93281, 93282, 93283, 93284, 93285, 93286, 93287, 93288, 93289, 93290, 93291, 93292, 93293, 93294, 93295, 93296, 93297, 93298, 93299, 93640, 93641, 93642, 93724, 93731, 93732, 93733, 93734, 93735, 93736, 93741, 93742, 93743, 93744
CT05306	Heart Echo / Ultrasound	93303, 93304, 93305, 93306, 93307, 93308, 93312, 93313, 93314, 93315, 93316, 93317, 93318, C8921, C8922, C8923, C8924, C8925, C8926, C8927, C8928, C8929, C8930, G8395
CT05307	Electrocardiogram - EKG monitoring	0178T, 0179T, 0180T, 93000, 93005, 93010, 93040, 93041, 93042, 93224, 93225, 93226, 93227, 93228, 93229, 93268, 93270, 93271, 93272, G0403, G0404, G0405
CT05308	Cardiac Stress Test	78451, 78452, 78453, 78454, 78472, 78473, 78481, 78483, 78494, 78496, 93015, 93016, 93017, 93018, 93350, 93351, 93352
CT05309	Cardiac cath & Angiogram	36013, 75756, 92978, 92979, 93451, 93452, 93453, 93454, 93455, 93456, 93457, 93458, 93459, 93460, 93461,

		93462, 93530, 93531, 93532, 93533, 93561, 93562, 93571, 93572
CT0531	Procedure - pericardial procedures - pericardial window / pericardiectomy	33025, 33030, 33031
CT0534	Procedure - cardiac - other	33282, 33284
CT05379	Diagnostic ultrasound of heart (echocardiogram)	0399T
CT05381	Electrographic cardiac monitoring	0389T, 0390T, 0391T
CT05385	Other diagnostic cardiovascular procedures	93050
CT0594	Procedure - artery - iliac - repair / graft - endovascular	75954
CT0693	Rx - gi - antichol/antispasmodics	J1980
CT0694	Rx - gi - antiemetics	J1240, J2405, J2469, J2550, J2765, J3250, J3280, J8501, S0091, S0174, S0181, S0183
CT0695	Rx - gi - h2 antagonists	J2780, S0023, S0028
CT0697	Rx - gi - ppis	C9113, S0164
CT08108	Imaging - arteriography - extremities	75710, 75716
CT0959	Procedure - other non - or rx - other non - or skin procedures	15850, 15851, 15852, 97602, S0630
CT0965	Other care - wound care	97597, 97598, 97605, 97606, E0769, G0281, G0282, S9097
CT0966	Other care - wound care - hyperbaric oxygen	A4575
CT0967	Other care - wound care - electromagnetic therapy	G0295, G0329
CT0968	Other care - wound care - growth factor	S9055
CT0969	Other care - chronic edema - surgical stockings	A4490, A4495, A4500, A4510
CT0973	Other care - chronic edema - compression stocking	A6530, A6531, A6532, A6533, A6534, A6535, A6536, A6537, A6538, A6539, A6540, A6541, A6544, A6545, A6549
CT1017	Rx - vitamins - vitamin b / b complex	J3411, J3415, J3420
CT1019	Rx - vitamins - vitamin d	J0636, J2501
CT1021	Rx - vitamins - multivit prep	S0194
CT10295	Thyroid Function Tests	84436, 84439, 84442, 84443, 84479, 84480, 84481, 84482
CT10296	Low dose steroids	J0702, J1020, J1094, J1100, J1700, J1710, J1720, J2650, J3300, J3301, J3302, J3303, J7506, J7509, J7510, J8540
CT10297	High dose steroids	J1030, J1040, J2920, J2930, Q0138
CT1036	Other care - nutrition - assessment	97802, 97803, G0270, G0271
CT1044	Other care - nutrition - parenteral - pump	E0791
CT1046	Other care - nutrition - education	S9452

CT1048	Other care - nutrition - counseling - dietician	S9470
CT1049	Other care - other - weight management	S9449
CT1166	Lab - urinalysis	81007, 81015, 81020, 81050, 81099
CT1167	Lab - specimen collection - urine	P9612, P9615
CT1168	Prosthetics - implant	L8604
CT14388	Magnetic resonance imaging	75558, 75560, 75562, 75564
CT1615	Therapy - transfusion - administration	36430
CT1616	Therapy - transfusion - blood	P9010, P9011, P9016, P9021, P9022, P9038, P9039, P9040, P9051, P9054, P9056, P9057, P9058, S9538
CT1617	Therapy - transfusion - plasma	P9017, P9023, P9043, P9044, P9048, P9059, P9060
CT1618	Therapy - transfusion - granulocytes	P9050
CT1619	Therapy - transfusion - platelets	P9019, P9020, P9031, P9032, P9033, P9034, P9035, P9036, P9037, P9052, P9053, P9055
CT1620	Therapy - phlebotomy	99195
CT1626	Rx - blood derivatives	P9041, P9045, P9046, P9047
CT16296	Lipid Level Monitoring	80061, 82465, 83695, 83698, 83700, 83701, 83704, 83718, 83719, 83721, 84478
CT16297	Blood Count	83540, 83550, 85004, 85007, 85008, 85009, 85013, 85014, 85018, 85025, 85027, 85032, 85041, 85044, 85045, 85046, 85048, 85049, 85060, G0306, G0307
CT16299	Bleeding Status	85002, 85345, 85347, 85348, 85598, 85610, 85611, 85670, 85675, 85705, 85730, 85732, 99363, 99364, G0248, G0250, S9401
CT1630	Rx - coagulation system - anticoagulants	C9121, J0583, J1644, J1645, J1650, J1652, J1655, J1945, J7197
CT1631	Rx - coagulation system - antiheparin agnt	J2720
CT16316	Blood transfusion	P9070, P9071, P9072
CT1632	Rx - coagulation system - hemostatics	J0365, J7185, J7186, J7189, J7190, J7191, J7192, J7193, J7194, J7195, J7196, J7198, J7199, P9012, S0017
CT1633	Rx - coagulation system - thrombolytic rx	J0350, J2993, J2995, J2997, J3101, J3364, J3365
CT1634	Rx - coagulation system - antiplatelet rx	J0130, J1245, J1327, J3246
CT1638	Rx - administration - injection	90772, 90773, 90774, 90775, 96373, 96374, 96375, 96376, 99506
CT1639	Rx - administration - infusion	90765, 90766, 90767, 90768, 90779, 96361, 96365, 96366, 96367, 96368, 96369, 96370, 96371, 96379, 96523,

		99601, 99602, A4220, A4221, A4222, A4223, A4305, A4306, E0776, E0779, E0780, E0781, K0552, K0601, K0602, K0603, K0604, K0605, S1015, S1016, S5035, S5036, S5497, S5498, S5501, S5502, S5517, S5518, S5520, S5521
CT1646	Lab - hematology - coagulation	85170, 85175, 85210, 85220, 85230, 85240, 85244, 85245, 85246, 85247, 85250, 85260, 85270, 85280, 85290, 85291, 85292, 85293, 85300, 85301, 85302, 85303, 85305, 85306, 85307, 85335, 85337, 85360, 85362, 85366, 85370, 85378, 85379, 85380, 85384, 85385, 85390, 85396, 85397, 85400, 85410, 85415, 85420, 85421, 85612, 85613, 85635, G0249
CT1647	Lab - hematology - blood count	85055
CT1648	Lab - hematology - blood count - eosinophil count	S3630
CT1649	Lab - other hematology	85475, 85520, 85525, 85530, 85536, 85547, 85549, 85555, 85557, 85576, 85597, 85660, 85810, 85999, 88738, 88740, 88741
CT1651	Lab - immunology	86060, 86063, 86078, 86079, 86146, 86147
CT1652	Lab - transfusion medicine	86850, 86860, 86870, 86885, 86886, 86890, 86891, 86903, 86904, 86905, 86906, 86910, 86911, 86920, 86921, 86922, 86923, 86927, 86930, 86931, 86932, 86940, 86941, 86945, 86950, 86960, 86965, 86970, 86971, 86972, 86975, 86976, 86977, 86978, 86985, 86999
CT1797	Lab - tumor marker	S3711
CT1806	Rx - antibiotics - aminoglycosides	J1840, J1850, J3000, J3260
CT1807	Rx - antibiotics - cephalosporins	J0690, J0692, J0694, J0696, J0697, J0698, J0710, J0713, J0715, J1890
CT1808	Rx - b-lactam antibiotics	J0743, J2185, S0073
CT1810	Rx - antibiotics - macrolides	Q0144
CT1811	Rx - antibiotics - penicillins	J2510, J2540, J2543, J2700, S0032, S0040, S0081
CT1812	Rx - antibiotics - tetracyclines	J2460
CT1813	Rx - antibiotics, misc	J0770, J2010, J2020, J2770, J3320, J3370, S0021, S0074, S0077, S0142
CT1814	Rx - antibiotics - quinolones	J0744, J1956, J2280, S0034
CT1815	Rx - antibiotics - sulfonamides / comb	S0039
CT1816	Rx - antibiotics - anti-infectives, misc	J3305, S0030, S0080
CT1820	Other care - other - infection control	S8301

CT1905	Therapy - behavior - partial hospitalization	S0201
CT1907	Tests - neuro - sleep studies	95803
CT19303	Psychiatry Evaluations	T1023
CT19304	Psychiatry Services	90862, 97535, H0031, S3005
CT19381	Smoking / Tobacco Cessation	99406, 99407
CT2009	Alcohol / Drug Use Screening	99408, 99409
CT20376	Other Laboratory	G9143
CT2101	Lab - therapeutic drug assay	80154, 80162, 80176, 80185, 80186, 80190, 80192, 80196, 80198, 80202, 80299
CT2304	Therapy - pt - exercises / activities	97537, 97542, S8990
CT23309	Markers for Inflammation	85651, 85652, 86140, 86141
CT2331	Other care - observation	G0379
CT2338	Other care - other - education	S9445, S9446
CT23398	Ancillary Services	99415, 99416, G9473, G9474, G9475, G9476, G9477, G9478, G9479
CT2341	Other care - other - exercise classes	S9451
CT9902	E & M - consultation	Q3014, T1014
CT9903	E & M - hospital	99217, 99218, 99219, 99220, 99231, 99232, 99233, 99234, 99235, 99236, 99291, 99292, 99466, 99481, 99482, G0378, G0390, S0310
CT9904	E & M - emergency care	99058, 99281, 99282, 99283, 99284, 99285, G0380, G0381, G0382, G0383, G0384, S9083, S9088
CT9905	E & M - home visit	99224, 99225, 99226, 99341, 99342, 99343, 99344, 99345, 99347, 99348, 99349, 99350, S0273
CT9906	E & M - nursing home	99304, 99305, 99306, 99307, 99308, 99309, 99310, 99315, 99316, 99318, 99324, 99325, 99326, 99327, 99328, 99334, 99335, 99336, 99337
CT9907	E & M - prevention	99420, S0302
CT9908	E & M - other	96040, 99026, 99027, 99056, 99060, 99150, 99288, 99360, 99450, 99455, 99456, 99485, 99486, 99488, S0260, S0265
CT9910	Procedure - anesthesia	99100, 99140
CT99101	Other care - other - lead assessment	T1029
CT99102	Other care - other	H0043, H0044, S1001, S1002, T2025, T2035, T2038, T2040, T2041
CT99107	Imaging - mri - other	75552, 75553, 75554, 75555, 75556, 75557, 75559, 75561, 75563, 75565, 76498
CT9911	Procedure - sedation	99143, 99144, 99145, 99148, 99149

CT99114	Imaging - us - guide - other	76936, 76937, 76940, 76998
CT99115	Imaging - us - other	76604, 76970
CT99129	Imaging - nuclear - radiopharmaceutical - radiopharmaceutical - other	A4641, A4642, A9507, A9512, A9521, A9538, A9540, A9541, A9547, A9550, A9553, A9556, A9560, A9566, A9568, A9569, A9570, A9571, A9572, A9582
CT99131	Imaging - venography - other	75872, 75893
CT99133	Imaging - other imaging - fluoroscopy	76000, 76001, 76496, 93280
CT99134	Imaging - other imaging - fluoroscopy - guidance	77002, 77003
CT99136	Imaging - other imaging	75900, 78579, 78597, 78598, Q0092, R0075
CT99137	Imaging - therapeutic procedure - abscess drainage	75989
CT99138	Imaging - therapeutic procedure - other therapeutic procedure	75898, 75970, 75984
CT99139	Imaging - supplies - contrast agent - low osmolar	Q9951, Q9965, Q9966, Q9967
CT99140	Imaging - supplies - contrast agent - high osmolar	A9698, Q9958, Q9959, Q9960, Q9961, Q9962, Q9963, Q9964
CT99141	Imaging - supplies - ultrasound related	A4559
CT99143	Lab - chemistry	82003, 82045, 82150, 82163, 82164, 82172, 82190, 82205, 82271, 82272, 82273, 82274, 82306, 82307, 82382, 82383, 82384, 82528, 82530, 82533, 82540, 82541, 82543, 82544, 82550, 82552, 82553, 82554, 82570, 82626, 82627, 82633, 82634, 82977, 83491, 83615, 83690, 83735, 83788, 83874, 83880, 84075, 84134, 84156, 84165, 84166, 84466, 84484, 84512, 84525, 84540, 84545, 84560, 84585, 84681, 84999
CT99169	Lab - specimen collection - blood - venous - venipuncture	36400, 36405, 36406, 36410, 36415, S9529
CT9917	Procedure - related supplies - access catheter	A4300, A4301
CT99171	Lab - specimen collection - blood - venous - venous port	36540, 36591, 36592
CT99172	Lab - specimen collection - blood - arterial - arterial puncture	36600
CT99173	Lab - specimen collection - specimen handling	99000
CT99176	Lab - stat request	S3600, S3601
CT99182	Transportation - paramedic	S0207, S0208
CT99183	Transportation - other transportation	A0021, A0080, A0090, A0100, A0110, A0120, A0130, A0140, A0160, A0170, A0180, A0190, A0200, A0210, A0225, A0380, A0382, A0384, A0390, A0392, A0394, A0396, A0398, A0420, A0422,

		A0424, A0425, A0426, A0427, A0428, A0429, A0430, A0431, A0432, A0433, A0434, A0435, A0436, A0888, A0998, A0999, P9603, P9604, S0209, S0215, T2001, T2002, T2003, T2004, T2005, T2007, T2049
CT99187	DME - safety equipment	E0700
CT99191	Supplies	A4206, A4207, A4208, A4209, A4210, A4211, A4212, A4213, A4215, A4216, A4217, A4218, A4244, A4245, A4246, A4247, A4265, A4450, A4452, A4455, A4456, A4461, A4463, A4465, A4470, A4480, A4550, A4601, A4649, A6000, A6010, A6011, A6021, A6022, A6023, A6024, A6025, A6154, A6196, A6197, A6198, A6199, A6203, A6204, A6205, A6206, A6207, A6208, A6209, A6210, A6211, A6212, A6213, A6214, A6215, A6216, A6217, A6218, A6219, A6220, A6221, A6222, A6223, A6224, A6228, A6229, A6230, A6231, A6232, A6233, A6234, A6235, A6236, A6237, A6238, A6239, A6240, A6241, A6242, A6243, A6244, A6245, A6246, A6247, A6248, A6250, A6251, A6252, A6253, A6254, A6255, A6256, A6257, A6258, A6259, A6260, A6261, A6262, A6266, A6402, A6403, A6404, A6407, A6413, A6441, A6442, A6443, A6444, A6445, A6446, A6447, A6448, A6449, A6450, A6451, A6452, A6453, A6454, A6455, A6456, A6457, C1751, C1769, C1883, C1894, C9898, J1642
CT99195	Prosthetics - other	K0462
CT99197	Other - non - covered	G0293, G0294
CT99198	PQRI	G8396, G8417, G8418, G8419, G8420, G8421, G8422, G8427, G8428, G8430, G8442, G8447, G8448, G8470, G8471, G8473, G8474, G8475, G8476, G8477, G8478, G8506, G8509, G8542, G8543, G9016, G9019
CT9920	Procedure - related supplies - catheter	C1887
CT9926	Procedure - related supplies - retrieval - device	C1773
CT99309	Physician Services	99251
CT99311	Urine Protein	81000, 81001, 81002, 81003, 81005, 82042, 82043, 82044
CT99314	Robotic Surgery	S2900
CT99316	Physician Services - Inpatient	99356, 99357

CT9937	Therapy - neurostimulator - tens - leads	A4595
CT9938	Therapy - neurostimulator - tens - supplies	A4558
CT99392	Other diagnostic procedures (interview, evaluation, consultation)	G0436, G0437, G0438, G0439, G0446
CT9940	Therapy - other	36299, 99024
CT99400	Advance care planning	1123F, 1124F, 1157F, 1158F, 4553F, 99497, 99498, S0255, S0257, S0311
CT99401	Bundled Payment / Medical Home	G9187, S0280, S0281
CT99402	Care Plan Oversight	94005, 99339, 99340, 99374, 99375, 99377, 99378, 99379, 99380
CT99403	Case Management Services	0513F, 0518F, 0557F, 4050F, 5050F, G0162, G0463, G9012, S0250, T1001, T1016, T1017, T2022, T2023, T2024
CT99404	Case Management Services - Behavioral	96116, G0503, G0507, H0023, H1011
CT99408	Chronic Care Management	99487, 99489, 99490, G0506
CT99409	Home Health / Hospice	G0179, G0180, G0181, G0182
CT9941	Rx - allergy - antihistamines / comb	J0945, J1200
CT99410	Coordinated Care Fees/Services	G9001, G9002, G9003, G9004, G9005, G9006, G9007, G9008, G9009, G9010, G9011
CT99411	Medication Therapy Management Services	99605, 99606, 99607
CT99412	Online Management	98969, 99444
CT99413	Personal Care Services	T1019, T1020
CT99415	Physician Services - Outpatient	99358, 99359
CT99416	Procedures and Reporting	99080, 99090, 99091
CT99417	Risk Assessment	G9316
CT99418	Transitional Care Management	99495, 99496
CT99419	Wellness Assessment	S5190
CT9942	Rx - gi - antichol/antispasmodics	J0461
CT9943	Rx - autonomic rx - parasympathomimetics	J2710, S0014
CT9944	Rx - autonomic rx - sympathomimetic rx	J0170, J1250, J1265, J3105
CT9945	Rx - autonomic rx - nicotine preps	S4990, S4991, S4995
CT9946	Rx - analg/antipy/nsaids - nsaids	J1885
CT9947	Rx - analg/antipy/nsaids - narcotics	J0364, J0595, J0745, J1170, J1810, J2175, J2180, J2271, J2275, J2300, J2410, S0109
CT9949	Rx - electrolytic, caloric, water - calcium supplements	J0610, J0620
CT9950	Rx - electrolytic, caloric, water - potassium supp	J3480, S5012

CT9951	Rx - electrolytic, caloric, water - multi-mineral prep	J7120, S5014
CT9952	Rx - electrolytic, caloric, water - sodium chlor preps	J7030, J7040, J7050, J7130
CT9953	Rx - electrolytic, caloric, water - replacement preparations, misc	J7100, J7110
CT9955	Rx - electrolytic, caloric, water - caloric rx dextrose / rel	J7042, J7060, J7070, S5010, S5011, S5013
CT9956	Rx - electrolytic, caloric, water - hydration - unspecified	90760, 90761
CT9960	Rx - miscellaneous rx - anesthetics, local	J0670, J2001, J2400, J2795, S0020
CT9963	Rx - pharmacy fee	Q0513, Q0514, S9430
CT9964	Other care - home care - specialized visit	99507, 99509, 99510, 99511, 99600
CT9965	Other care - home care - physician supervision	G0372, S0270, S0272
CT9966	Other care - home care - nursing care	T1000, T1002, T1003, T1004
CT9967	Other care - home care - nursing care - rn	S9123, T1030
CT9968	Other care - home care - nursing care - lpn	S9124, T1031
CT9969	Other care - home care - nursing care - np	S0274
CT9973	Other care - home care - social worker	S9127
CT9974	Other care - home care - home health aide	S9122, T1021
CT9975	Other care - home care - other care - day care	S5100, S5101, S5102, S5105
CT9976	Other care - home care - other care - chore care	S5120, S5121
CT9977	Other care - home care - other care - attendant care	S5125, S5126
CT9978	Other care - home care - other care - homemaker	S5130, S5131
CT9979	Other care - home care - other care - companion care	S5135, S5136
CT9980	Other care - home care - other care - respite care	S5150, S5151, S9125, T1005
CT9981	Other care - home care - other care	S5165, S5185, S5199, T1022
CT9982	Other care - home care - training	S5108, S5109, S5110, S5111, S5115, S5116
CT9983	Other care - home care - emergency response system	S5160, S5161, S5162
CT9984	Other care - home care - meals	S5170
CT9986	Other care - hospice	G0337, Q5001, Q5002, Q5003, Q5004, Q5005, Q5006, Q5007, Q5008, Q5009, S0271, S9126, T2042, T2043, T2044, T2045, T2046

CT9987	Other care - long term care - residential care	T2010, T2011, T2032, T2033
CT9988	Other care - long term care - assisted living	T2030, T2031
CT9990	Other care - other - ancillary services	97804, 99001, 99002, 99070, 99071, 99075, 99082, 99199
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		G9413, G9459, G9460, G9497, G9500, G9501, G9507, G9508, G9539, G9540, G9541, G9542, G9543, G9544, G9558, G9559, G9560, G9642, G9643, G9644, G9645, G9654, G9655, G9656, G9657, G9658, G9662, G9663, G9664, G9665, G9666, G9667, G9668, G9673, G9674, G9675, G9677, G9746, G9929, J0153, J2274, J2704, Q9974, S0144, 33016, 33017, 33018, 33019, 36415, 62320, 78429, 78430, 78431, 78432, 78433, 78434, 90674, 90682, 90750, 90756, 93356, 98970, 98971, 98972, 99152, 99153, 99155, 99156, 99157, 99421, 99422, 99423, 99451, 99452, 99453, 99454, 99457, 99458, 99473, 99474, 0004U, 0006U, 0011U, 0093U, 0116U, 0119U, 0515T, 0516T, 0517T, 0518T, 0519T, 0520T, 0521T, 0522T, 0571T, 0572T, 0573T, 0574T, 0575T, 0576T, 0577T, 0578T, 0579T, 0580T, C1823, C1824, C9762, C9763, G0068, G0069, G0493, G0494, G0495, G0496, G0499, G0508, G0509, G0511, G0512, G0513, G0514, G2058, G2061, G2062, G2063, G2064, G2065, G2066, G9679, G9683, G9684, G9685, G9686, G9687, G9688, G9690, G9691, G9692, G9693, G9694, G9700, G9702, G9707, G9709, G9710, G9713, G9714, G9715, G9718, G9720, G9723, G9725, G9740, G9741, G9758, G9760, G9761, G9768, G9782, G9793, G9794, G9800, G9801, G9802, G9805, G9809, G9816, G9819, G9856, G9857, G9858, G9860, G9861, G9898, G9901, G9910, G9916, G9917, G9918, G9919, G9920, G9921, G9922, G9923, G9938, G9955, G9956, G9957, G9958, G9959, G9960, G9961, M1022, M1025, M1026, M1042, M1043, M1044, M1045, M1046, M1048, M1050, M1056, M1059, M1064, M1065, M1066, M1067, M1068, M1069
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Table 6: Relevant Typical Drug Groups

Group ID	Group Name
RX001	contrast media
RX002	diagnostic agents
RX0111	parasympathomimetics

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RX015	antiepileptics
RX016	antimigraine preparations
RX017	hypnotics and sedatives
RX0320	cough and cold preparations
RX0321	decongestants and other nasal preparations for topical use
RX0324	throat preparations
RX0425	antihistamines for systemic use
RX0426	Bronchodilators: adrenergics for systemic use
RX0427	drugs for obstructive airway diseases - inhalants
RX0429	other systemic drugs for obstructive airway diseases
RX0530	agents acting on the renin-angiotensin system
RX0531	Agents for hypertensive emergencies
RX0532	antiarrhythmics class i and iii
RX0533	antiarrhythmics class 1c
RX0534	Other Anticoagulants
RX0535	beta blocking agents
RX0536	calcium channel blockers
RX0537	cardiac glycosides and cardiac stimulants
RX0538	diuretics
RX0539	i.v. solutions & additives
RX0540	Nitrates and other antianginals
RX0541	other antihypertensives
RX0542	other cardiac preparations
RX0543	peripheral vasodilators
RX0544	statins and lipid modifying agents
RX0545	Pulm hypertension drugs
RX0546	Antiplatelet agents, thrombin inhibitors
RX0547	Heparin group
RX0645	antacids
RX0646	antidiarrheals intestinal adsorbents
RX0647	antiemetics and antinauseants
RX0648	digestives incl. enzymes
RX0649	drugs for constipation
RX0651	drugs for peptic ulcer and gerd
RX0652	intestinal antiinfectives
RX0857	antiinflammatory and antirheumatic products
RX0861	opioids
RX0862	other analgesics and antipyretics
RX0864	topical products for joint and muscular pain

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RX0968	antibiotics and chemotherapeutics for dermatological use
RX0969	antifungals for dermatological use
RX0970	antipruritics incl. antihistamines anesthetics etc.
RX0971	antiseptics and disinfectants
RX0973	corticosteroids dermatological preparations
RX0976	irrigating solutions
RX0977	medicated dressings
RX0978	other dermatological preparations
RX0979	preparations for treatment of wounds and ulcers
RX0980	Moisturizers and skin protective agents
RX1083	antithyroid preparations
RX1086	corticosteroids for systemic use
RX1092	thyroid preparations
RX16106	iron preparations
RX16109	vitamin b12 and folic acid
RX16110	vitamin k and other hemostatics
RX16111	Agents to stop bleeding
RX18117	antibacterials for systemic use
RX18119	antiinfectives
RX18122	antivirals for systemic use
RX19123	antidepressants
RX19125	anxiolytics
RX19126	drugs used in addictive disorders
RX23131	mineral supplements
RX23133	other nutrients
RX23135	vitamins
RX23136	Smoking Cessation Agents
RX99136	anesthetics general
RX99137	anesthetics local
RX99138	medical gas