

# Breast Biopsy (BSTBIO) 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 Breast Biopsy, sometimes abbreviated BSTBIO, is a procedural episode. The Breast Biopsy episode includes services related to the procedure within the 7-day pre- and 7-day post-operative care time window, such as diagnostic services, (imaging, labs etc.), office visits, surgery itself and ancillary services.

## Episode Components

Triggers	A Breast Biopsy episode is 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 (Table 1).
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"> <li>• Cancer Breast</li> <li>• Secondary Cancer to Breast</li> <li>• Carcinoma in Situ of Breast</li> <li>• Overweight</li> </ul>

# Code Tables

Table 1: Trigger Codes

Trigger Type	Code Value
CPT / HCPCS Triggers	10005, 10006, 10007, 10008, 10009, 10010, 10011, 10012, 10021, 10022, 19081, 19082, 19083, 19084, 19085, 19086, 19100, 19101, 19102, 19103, 19110, 19120, 19125, 19126, 19290, 19291, 19295, 10004
ICD-10-CM (DX) Qualifying Diagnosis	C50011, C50012, C50019, C50111, C50112, C50119, C50211, C50212, C50219, C50311, C50312, C50319, C50411, C50412, C50419, C50511, C50512, C50519, C50611, C50612, C50619, C50811, C50812, C50819, C50911, C50912, C50919, C7981, D0500, D0501, D0502, D0510, D0511, D0512, D0580, D0581,

	D0582, D0590, D0591, D0592, D4860, D4861, D4862, D493, N6001, N6002, N6009, N6011, N6012, N6019, N6021, N6022, N6029, N6031, N6032, N6039, N6041, N6042, N6049, N6081, N6082, N6089, N6091, N6092, N6099, N61, N610, N611, N63, N630, N6310, N6311, N6312, N6313, N6314, N6320, N6321, N6322, N6323, N6324, N6331, N6332, N6341, N6342, N644, N6451, N6452, N6453, N6459, N6489, R920, R921, R922, R928, Z1239, Z1289, Z129, Z1501, Z803
ICD-10-PCS (PX) Triggers	0H9T0ZX, 0H9T3ZX, 0H9T7ZX, 0H9T8ZX, 0H9TXZX, 0H9U0ZX, 0H9U3ZX, 0H9U7ZX, 0H9U8ZX, 0H9UXZX, 0H9V0ZX, 0H9V3ZX, 0H9V7ZX, 0H9V8ZX, 0H9VXZX, 0H9W0ZX, 0H9W3ZX, 0H9W7ZX, 0H9W8ZX, 0H9WXZX, 0H9X0ZX, 0H9X3ZX, 0H9X7ZX, 0H9X8ZX, 0H9XXZX, 0HBT0ZX, 0HBT3ZX, 0HBT7ZX, 0HBT8ZX, 0HBTXZX, 0HBU0ZX, 0HBU3ZX, 0HBU7ZX, 0HBU8ZX, 0HBUXZX, 0HBV0ZX, 0HBV3ZX, 0HBV7ZX, 0HBV8ZX, 0HBVXZX, 0HBW0ZX, 0HBW3ZX, 0HBW7ZX, 0HBW8ZX, 0HBWXZX, 0HBX0ZX, 0HBX3ZX, 0HBX7ZX, 0HBX8ZX, 0HBXXZX, 0HBY0ZX, 0HBY3ZX, 0HBY7ZX, 0HBY8ZX, 0HBYXZX

Table 2: ICD-10 Typical Diagnosis

Group ID	Group Name	Code Value
DXX05345	Orthostatic Hypotension / Dizziness	I951, R42
DXX0917	Neoplsm - malignant neoplsm - breast	C50021, C50022, C50029, C50121, C50122, C50129, C50221, C50222, C50321, C50322, C50329, C50421, C50422, C50429, C50521, C50522, C50529, C50621, C50622, C50629, C50821, C50822, C50829, C50921, C50922, C50929
DXX0918	Neoplsm - malignant neoplsm - personal hx - breast	Z853
DXX09196	Benign Breast Disease	N6001, N6002, N6009, N6011, N6012, N6019, N6021, N6022, N6029, N6031, N6032, N6039, N6041, N6042, N6049, N6081, N6082, N6089, N6091, N6092, N6099, N61, N610, N611
DXX09197	Cancer Breast	C50011, C50012, C50019, C50111, C50112, C50119, C50211, C50212, C50219, C50229, C50311, C50312, C50319, C50411, C50412, C50419, C50511, C50512, C50519, C50611, C50612, C50619, C50811, C50812,

		C50819, C50911, C50912, C50919
DXX09198	Cancer Breast, uncertain behavior	D4860, D4861, D4862, D493
DXX09199	Carcinoma in situ of breast	D0500, D0501, D0502, D0510, D0511, D0512, D0580, D0581, D0582, D0590, D0591, D0592
DXX09200	Secondary Cancer to Breast	C7981
DXX0921	Neoplsm - benign neoplsm - breast	D241, D242, D249
DXX0922	Neoplsm - abnrml findings - breast	N63, R920, R921, R922, R928
DXX0942	Breast - hypertrophy	N62
DXX0943	Breast - symptoms	N643, N644, N6451, N6452, N6453, N6459
DXX0948	Breast - other ds	N640, N641, N642, N6481, N6482, N6489, N649
DXX0991	Cngntl - integument - other	Q830, Q831, Q832, Q833, Q838, Q839
DXX1340	Neoplsm - screening - reproduction female - nos	Z01411, Z01419
DXX1343	Neoplsm - screening - breast	Z1231, Z1239
DXX1763	Neoplsm - screening - nos	Z1289, Z129
DXX1768	Secondary malignancies	C792
DXX1963	Anxiety Disorders	F064
DXX2104	NS - acute pain - post op	G8918
DXX2337	Prvn - routine medical exam	Z0001
DXX2352	Othr - other	Z1501, Z803
DXX2370	Fever & Chills	R5081, R509, R6883
DXX2379	Observation/Examination	Z0000, Z0489
XX0000	Ungrouped Codes	N630, N6310, N6311, N6312, N6313, N6314, N6320, N6321, N6322, N6323, N6324, N6331, N6332, N6341, N6342

Table 3: ICD-10 Actionable Adverse Events

Group ID	Group Name	Code Value
DXX01403	Complication of nervous system device	T85191A, T85199A
DXX05274	Transfusion, Infusion related complications	Y620
DXX05275	Phlebitis, Deep vein thrombosis (DVT)	I8000, I8001, I8002, I8003, I8010, I8011, I8012, I8013, I80201, I80202, I80203, I80209, I80221, I80222, I80223, I80229, I80231, I80232, I80233, I80239, I80291, I80292, I80293, I80299, I803, I82811, I82812, I82813, I82819, I82890, I8290

DXX05297	Hypotension / Syncope	I952, I9581, 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, T782XXA, T882XXA, T886XXA
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
DXX05373	Shock during or post-procedure	I97711, I97791, I9788
DXX05375	Dehydration	E860, E861, E869
DXX06160	Gastroenteritis	A080, A0811, A0819, A082, A0831, A0832, A0839, A084, A088, A09, K5289, K529
DXX06305	C-Difficile Infection	A047
DXX09187	Wound Infections	A4852, K6811, T814XXA, T814XXD, T8183XA, T8183XD
DXX09190	Wound Dehiscence	T8130XA, T8130XD, T8131XA, T8131XD, T8132XA, T8132XD
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
DXX11143	Urinary Tract Infection	N10, N110, N111, N118, N119, N12, N136, N151, N159, N16, N2884, N2885, N2886, N3000, N3001, N3010, N3011, N3020, N3021, N3030, N3031, N3080, N3081, N3090, N3091, N340, N341, N342, N343, N35111, N35112, N35113, N35114, N35119, N3512, N37, N390, R309
DXX11147	Complication of genitourinary device	T83510A, T83510D, T83511A, T83511D, T83512A, T83512D, T83518A, T83518D, T8351XA, T8351XD
DXX16296	Hemorrhage	R58, R710
DXX1849	Other bacterial infections	R899
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
DXX1852	Severe Sepsis	R6511
DXX1853	Bacteremia, SIRS, no organ dysfunction	R6510, R7881
DXX2161	Complications from Central Line	T80218A, T80219A
DXX2171	Adverse effects of drugs	G4440, G4441, 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, T384X5A, T384X5D, T385X5A, T385X5D, T386X5A, T386X5D, T387X5A, T387X5D, T38805A, T38805D, T38815A,

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		T465X5A, T465X5D, T466X5A, T466X5D, T467X5A, T467X5D, T468X5A, T468X5D, T46905A, T46905D, T46995A, T46995D, T470X5A, T470X5D, T471X5A, T471X5D, T472X5A, T472X5D, T473X5A, T473X5D, T474X5A, T474X5D, T475X5A, T475X5D, T476X5A, T476X5D, T477X5A, T477X5D, T478X5A, T478X5D, T4795XA, T4795XD, T480X5A, T480X5D, T481X5A, T481X5D, T48205A, T48205D, T48295A, T48295D, T483X5A, T483X5D, T484X5A, T484X5D, T485X5A, T485X5D, T486X5A, T486X5D, T48905A, T48905D, T48995A, T48995D, T490X5A, T490X5D, T491X5A, T491X5D, T492X5A, T492X5D, T493X5A, T493X5D, T494X5A, T494X5D, T495X5A, T495X5D, T496X5A, T496X5D, T497X5A, T497X5D, T498X5A, T498X5D, T4995XA, T4995XD, T500X5A, T500X5D, T501X5A, T501X5D, T502X5A, T502X5D, T503X5A, T503X5D, T504X5A, T504X5D, T505X5A, T505X5D, T506X5A, T506X5D, T507X5A, T507X5D, T508X5A, T508X5D, T50905A, T50905D, T50995A, T50995D, T50A15A, T50A25A, T50A95A, T50B15A, T50B15D, T50B95A, T50B95D, T50Z15A, T50Z15D, T50Z95A, T50Z95D
DXX2175	Complications of anesthesia	T410X5A, T411X5A, T41205A, T41295A, T413X5A, T4145XA, T884XXA, T8852XA, T8853XA, T8859XA, T8859XD, Y700, Y701, Y702, Y703, Y708
DXX2360	Complication of Implanted device, graft	T836XXD, T8541XA, T8541XD, T8542XA, T8542XD, T8543XA, T8543XD, T8544XA, T8544XD, T8549XA, T8549XD, T85613A, T85623A, T85693A, T8572XA, T8579XA, T85818A, T8581XA, T85828A, T8582XA, T85838A, T8583XA, T85848A, T8584XA, T85858A, T8585XA, T85868A, T8586XA, T85898A, T8589XA, T86820, T86821, T86822, T86828, T86829, T86842, T86848, T86849



DX2361	complications of surgical procedures	D7801, D7802, D7811, D7812, D7821, D7822, D7831, D7832, D7833, D7834, E3601, E3602, E3611, E3612, E89810, E89811, E89820, E89821, E89822, E89823, G9731, G9732, G9748, G9749, G9751, G9752, G9761, G9762, G9763, G9764, H9521, H9522, H9531, H9532, H9541, H9542, H9551, H9552, H9553, H9554, I97131, I97191, I97410, I97411, I97418, I9742, I9751, I9752, I97610, I97611, I97618, I9762, I97620, I97621, I97622, I97630, I97631, I97638, I97640, I97641, I97648, I9789, J9561, J9562, J9571, J9572, J95830, J95831, J95860, J95861, J95862, J95863, K9161, K9162, K9171, K9172, K91840, K91841, K91870, K91871, K91872, K91873, L7601, L7602, L7611, L7612, L7621, L7622, L7631, L7632, L7633, L7634, M96810, M96811, M96820, M96821, M96830, M96831, M96840, M96841, M96842, M96843, N9961, N9962, N9971, N9972, N99820, N99821, N99840, N99841, N99842, N99843, R5082, T81718D, T81719D, T8172XD, T8182XA, T8182XD, T8189XA, T8189XD, T819XXA, T819XXD, T888XXA, T888XXD, Y626, Y628, Y629, Y652, Y6551, Y6552, Y6553, Y710, Y711, Y712, Y713, Y718, Y730, Y731, Y732, Y733, Y738, Y740, Y741, Y742, Y743, Y748, Y750, Y751, Y752, Y753, Y758, Y760, Y761, Y762, Y763, Y768, Y770, Y771, Y772, Y773, Y778, Y780, Y781, Y782, Y783, Y788, Y790, Y791, Y792, Y793, Y798, Y800, Y801, Y802, Y803, Y808, Y810, Y811, Y812, Y813, Y818, Y828, Y829, Y848
DX2362	complications of medical care	D7881, D7889, E368, E8989, H95811, H95812, H95813, H95819, H9588, H9589, I973, L7681, L7682, M9689, T7841XD, T801XXA, T8181XA, T8181XD, T881XXA, T887XXA, T889XXA,

		T889XXD, Y633, Y658, Y66, Y69, Y847
DXX2395	Foreign body left during procedure	T81500A, T81500D, T81501A, T81502A, T81503A, T81504A, T81505A, T81506A, T81507A, T81508A, T81508D, T81509A, T81509D, T81510A, T81510D, T81511A, T81512A, T81513A, T81514A, T81515A, T81516A, T81517A, T81518A, T81518D, T81519A, T81519D, T81520A, T81520D, T81521A, T81522A, T81523A, T81524A, T81525A, T81526A, T81527A, T81528A, T81528D, T81529A, T81529D, T81530A, T81530D, T81531A, T81532A, T81533A, T81534A, T81535A, T81536A, T81537A, T81538A, T81538D, T81539A, T81539D, T81590A, T81590D, T81591A, T81592A, T81593A, T81594A, T81595A, T81596A, T81597A, T81598A, T81598D, T81599A, T81599D, T8160XA, T8160XD, T8161XA, T8169XA, T8169XD
DXX9910	HAC 02: Air Embolism	T800XXA
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
XX0000	Ungrouped Codes	A0471, A0472, L7632, L7634, M96841, M96843, 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
PXX03231	Other therapeutic procedures - 231	3E00XGC
PXX03235	Robotic Assisted Procedure	8E0W0CZ, 8E0W3CZ, 8E0W7CZ, 8E0WXCZ
PXX05247	Computer Assisted Procedure	8E0WXBF, 8E0WXBG, 8E0WXBH, 8E0WXBZ
PXX09165	Breast biopsy and other diagnostic procedures on breast - 165	0H9T0ZX, 0H9T3ZX, 0H9T7ZX, 0H9T8ZX, 0H9TXZX, 0H9U0ZX, 0H9U3ZX, 0H9U7ZX, 0H9U8ZX, 0H9UXZX, 0H9V0ZX, 0H9V3ZX, 0H9V7ZX, 0H9V8ZX, 0H9VXZX, 0H9W0ZX, 0H9W3ZX, 0H9W7ZX, 0H9W8ZX, 0H9WXZX, 0H9X0ZX, 0H9X3ZX, 0H9X7ZX, 0H9X8ZX, 0H9XXZX, 0HBT0ZX, 0HBT3ZX, 0HBT7ZX, 0HBT8ZX, 0HBTXZX, 0HBU0ZX, 0HBU3ZX, 0HBU7ZX, 0HBU8ZX, 0HBUXZX, 0HBV0ZX, 0HBV3ZX, 0HBV7ZX, 0HBV8ZX, 0HBVXZX, 0HBW0ZX, 0HBW3ZX, 0HBW7ZX, 0HBW8ZX, 0HBWXZX, 0HBX0ZX, 0HBX3ZX, 0HBX7ZX, 0HBX8ZX, 0HBXXZX, 0HBY0ZX, 0HBY3ZX, 0HBY7ZX, 0HBY8ZX, 0HBYXZX, 0HJT0ZZ, 0HJT3ZZ, 0HJT7ZZ, 0HJT8ZZ, 0HJU0ZZ, 0HJU3ZZ, 0HJU7ZZ, 0HJU8ZZ
PXX09169	Debridement of wound, infection or burn - 169	0HB0XZZ, 0HB1XZZ, 0HB4XZZ, 0HB5XZZ, 0HB6XZZ, 0HB7XZZ, 0HB8XZZ, 0HBAXZZ, 0HBBXZZ, 0HBCXZZ, 0HBDXZZ, 0HBEXZZ, 0HBFXZZ, 0HBGXZZ, 0HBHXZZ, 0HBJXZZ, 0HBKXZZ, 0HBLXZZ, 0HBMXZZ, 0HBNXZZ
PXX09171	Suture of skin and subcutaneous tissue - 171	0HQTXZZ, 0HQUXZZ
PXX09174	Other non-OR therapeutic procedures on skin and breast - 174	0H0T3JZ, 0H0U3JZ, 0H0V3JZ, 0H9T30Z, 0H9T3ZZ, 0H9T70Z, 0H9T7ZZ, 0H9T80Z, 0H9T8ZZ, 0H9TXZZ, 0H9U30Z, 0H9U3ZZ,

		0H9U70Z, 0H9U7ZZ, 0H9U80Z, 0H9U8ZZ, 0H9UXZZ, 0H9V30Z, 0H9V3ZZ, 0H9V70Z, 0H9V7ZZ, 0H9V80Z, 0H9V8ZZ, 0H9VXZZ, 0H9W30Z, 0H9W3ZZ, 0H9W70Z, 0H9W7ZZ, 0H9W80Z, 0H9W8ZZ, 0H9X30Z, 0H9X3ZZ, 0H9X70Z, 0H9X7ZZ, 0H9X80Z, 0H9X8ZZ, 0HQT0ZZ, 0HQT3ZZ, 0HQU0ZZ, 0HQU3ZZ
PXX09175	Other OR therapeutic procedures on skin and breast - 175	0HBY0ZZ, 0HBY3ZZ, 0HBY7ZZ, 0HBY8ZZ, 0HBYXZZ
PXX09182	Mammography - 182	BH00ZZZ, BH01ZZZ, BH02ZZZ, BH03ZZZ, BH04ZZZ, BH05ZZZ, BH06ZZZ

Procedure Codes which will be used in combination with diagnosis codes to identify relevant services.

Table 5: Relevant Procedure Codes CPT/HCPSCS

Group ID	Group Name	Code Value
CT0010	Breast Biopsy	19081, 19082, 19083, 19084, 19085, 19086, 19101, 19102, 19103
CT0011	Breast placement of localization device	19281, 19282, 19283, 19284, 19285, 19286, 19287, 19288, 19290, 19291, 19295
CT0013	Other Breast Procedures	19110
CT0015	Excision of Breast Tissue, Cyst	19120, 19125, 19126
CT0025	Preventive Medicine, Care Coordination	98966, 98967, 98968, 99361, 99362, 99366, 99367, 99368, 99371, 99372, 99373, 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, G0175, G0406, G0407, G0408, G0425, G0426, G0427, S0220, S0221, S0320
CT0089	Metabolic Renal Hepatic Chemistry Panel	80010, 80047, 80048, 80049, 80050, 80051, 80053, 80069, 80074, 80076, 82040, 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, 99271, 99272, 99273, 99274, 99275, 99354, 99355, 99381, 99391
CT0092	Physician Services - Inpatient	99252, 99253, 99254, 99255
CT02387	Pathology	81162, 81211, 81212, 81213, 81214, 81215, 81216, 81217, 81432, 81433, 81540
CT04282	Chest X-Ray	71010, 71015, 71020, 71021, 71022, 71023, 71030, 71034, 71035
CT0743	Other diagnostic radiology and related techniques	0422T
CT0916	Procedure - other breast - drainage of breast lesion	19000, 19001
CT09343	Other diagnostic procedures on skin and subcutaneous tissue	10035, 10036
CT09349	MAMMOGRAM	77055, 77056, 77057, G0202, G0204, G0206, S8080
CT0943	Procedure - suture - skin - delayed wound closure	12020, 12021
CT0959	Procedure - other non - or rx - other non - or skin procedures	S0630
CT0962	Procedure - anesthesia	00400, 00402, 00404, 00406
CT0965	Other care - wound care	97597, 97598
CT0983	Imaging - mri - breast	77058, 77059, C8903, C8904, C8905, C8906, C8907, C8908
CT0984	Imaging - us - breast	76645
CT0986	Imaging - pet - breast cancer - treatment planning	G0252
CT0989	Imaging - mammography - bx localization	77031, 77032
CT0990	Imaging - mammography - specimen	76098
CT0992	Lab - gene expression - breast cancer	S3854
CT10295	Thyroid Function Tests	84432, 84436, 84437, 84439, 84442, 84443, 84445, 84479, 84480, 84481, 84482
CT1166	Lab - urinalysis	81007, 81015
CT1337	Lab - genetic testing - brac1	S3818
CT1338	Lab - genetic testing - brac2	S3819
CT1339	Lab - genetic testing - brac1 / brac2	S3820, S3823
CT1603	Procedure - biopsy / exploration - lymph nodes	38500, 38505, 38530
CT16296	Lipid Level Monitoring	80061, 82465, 83701, 83704, 84478
CT16297	Blood Count	82728, 83540, 83550, 85004, 85007, 85008, 85009, 85013, 85014, 85018, 85025, 85027, 85032, 85041, 85044, 85045,

		85046, 85048, 85049, G0306, G0307
CT1647	Lab - hematology - blood count	85055
CT1651	Lab - immunology	86300, 86316
CT1794	Imaging - pet - tumor imaging	78811, 78812, 78813, 78814, 78815, 78816
CT1795	Imaging - pet - lymphoma - staging	G0164
CT1797	Lab - tumor marker	S3711
CT1806	Rx - antibiotics - aminoglycosides	J7682, J7685
CT19304	Psychiatry Services	H0031, S3005
CT19381	Smoking / Tobacco Cessation	99406, 99407
CT2009	Alcohol / Drug Use Screening	99408, 99409
CT23309	Markers for Inflammation	85651, 85652
CT23398	Ancillary Services	99415, 99416
CT2351	Lab - single mutation analysis	S3822
CT9902	E & M - consultation	Q3014, T1014
CT9903	E & M - hospital	99481, 99482
CT9905	E & M - home visit	99224, 99225, 99226
CT9907	E & M - prevention	99420, G0101, S0302, S0610, S0612, S0613
CT9908	E & M - other	96040, 99056, 99060, 99150, 99170, 99360, 99450, 99455, 99456, 99485, 99486, 99488, S0260, S0265
CT99107	Imaging - mri - other	C1770, S8035, S8042
CT99109	Imaging - mri - contrast agent	A9576, A9577, A9578, A9579, A9581, A9583, Q9953, Q9954
CT9911	Procedure - sedation	99143, 99144, 99145, 99148, 99149
CT99113	Imaging - us - guide - biopsy	76942
CT99135	Imaging - other imaging - inject / infuse contrast for x-ray	38792
CT99136	Imaging - other imaging	77051, 77052, 77053, 77054
CT9914	Procedure - fine needle aspiration	10021, 10022, 19100
CT99142	Lab - pathology consultation	80500, 80502
CT99143	Lab - chemistry	82045, 82157, 82160, 82190, 82232, 82261, 82378, 82382, 82383, 82384, 82436, 82438, 82487, 82488, 82489, 82491, 82492, 82528, 82530, 82533, 82540, 82541, 82542, 82543, 82544, 82570, 82607, 82608, 82626, 82627, 82633, 82634, 82646, 82664, 82670, 82671, 82672, 82677, 82679, 82690, 82746, 82747, 82784, 82785,

		82787, 82962, 83001, 83002, 83069, 83090, 83491, 83498, 83499, 83516, 83518, 83519, 83520, 83528, 83582, 83586, 83593, 83615, 83625, 83788, 83789, 83890, 83891, 83892, 83893, 83894, 83896, 83897, 83898, 83900, 83901, 83902, 83903, 83904, 83905, 83906, 83907, 83908, 83909, 83912, 83913, 83914, 83930, 83935, 84133, 84134, 84135, 84140, 84143, 84144, 84146, 84150, 84156, 84157, 84160, 84163, 84165, 84166, 84181, 84182, 84233, 84234, 84235, 84238, 84252, 84270, 84300, 84311, 84315, 84375, 84402, 84403, 84425, 84525, 84540, 84560, 84577, 84578, 84580, 84583, 84590, 84591, 84597, 84681, 84702, 84703, 84704, 84830
CT99148	Lab - surgical pathology	88300, 88302, 88304, 88305, 88307, 88309, 88311, 88312, 88313, 88314, 88318, 88319, 88321, 88323, 88325, 88329, 88331, 88332, 88333, 88334, 88342, 88346, 88347, 88348, 88349, 88355, 88356, 88358, 88360, 88361, 88362, 88365, 88367, 88368, 88371, 88372, 88380, 88381, 88384, 88385, 88386, 88387, 88388, 88399
CT99169	Lab - specimen collection - blood - venous - venipuncture	36415, S9529
CT99173	Lab - specimen collection - specimen handling	99000
CT99174	Lab - microscopic - wet mount	Q0111
CT99175	Lab - microscopic - koh prep	Q0112
CT99191	Supplies	A4206, A4207, A4208, A4209, A4210, A4211, A4213, A4215, A4216, A4217, A4218, A4244, A4245, A4246, A4247, A4248, A4265, A4280, A4450, A4452, A4455, A4456, A4458, A4461, A4463, A4465, A4470, A4480, A4550, A4561, A4562, A4649, A4651, A4652, 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, A6412, A6413, A6441, A6442, A6443, A6444, A6445, A6446, A6447, A6448, A6449, A6450, A6451, A6452, A6453, A6454, A6455, A6456, A6457, J1642, S8415, S8430, S8431, T2028
CT99198	PQRI	G8440, G8458, G8508, G8540
CT99309	Physician Services	99251
CT99311	Urine Protein	82042, 82043, 82044
CT99314	Robotic Surgery	S2900
CT99392	Other diagnostic procedures (interview, evaluation, consultation)	G0438, G0439
CT9940	Therapy - other	99024, M0075
CT99403	Case Management Services	0518F, G9012
CT99407	Case Management Services - Oncology	G9054, S0353, S0354
CT99408	Chronic Care Management	99487, 99489
CT99410	Coordinated Care Fees/Services	G9003, G9004, G9011
CT99411	Medication Therapy Management Services	99607
CT99413	Personal Care Services	T1019, T1020
CT99415	Physician Services - Outpatient	99358, 99359
CT99416	Procedures and Reporting	99080, 99090, 99091
CT9960	Rx - miscellaneous rx - anesthetics, local	J0670, J2001, J2400, J2795, S0020
CT9963	Rx - pharmacy fee	G0333, Q0513, Q0514, S9430
CT9990	Other care - other - ancillary services	99001, 99070, 99071
CT9991	Other care - other - lightbox	E0203
XX0000	Ungrouped Codes	0351T, 0352T, 0353T, 0354T, 10005, 10006, 10007, 10008, 10009, 10010, 10011, 10012, 33952, 33954, 33958, 33962, 33966, 33984, 37191, 37192, 37193, 37619, 38900, 6030F, 76641, 76642, 77061, 77062, 77063, 81519, 97610, C9443,



		C9444, C9446, G0299, G0300, G0472, G0473, G6045, G6046, G8152, G8153, G8154, G8155, G8156, G8157, G8193, G8196, G8204, G8209, G8214, G8217, G8219, G8220, G8221, G8696, G8697, G8698, G8702, G8703, G8704, G8705, G8706, G8707, G8875, G8916, G8917, G8918, G8946, G8961, G8962, G8967, G8968, G8969, G8970, G8971, G8972, G9199, G9200, G9201, G9298, G9299, G9307, G9308, G9309, G9310, G9311, G9312, G9362, G9363, G9500, G9501, J2274, J2704, Q9974, S0144, 10004, 36415, 62320, 77046, 77047, 77048, 77049, 77065, 77066, 77067, 81163, 81164, 81165, 81166, 81167, 81518, 81520, 81521, 90674, 90682, 90750, 90756, 98970, 98971, 98972, 99152, 99153, 99155, 99156, 99157, 99421, 99422, 99423, 99451, 99452, 99453, 99454, 99457, 99458, 0004U, 0006U, 0009U, 0011U, 0045U, 0045U, 0110U, 0116U, 0129U, 0131U, 0132U, 0134U, 0135U, 0137U, 0138U, C8937, G0068, G0069, G0493, G0494, G0495, G0496, G0499, G0508, G0509, G0511, G0512, G0513, G0514, G2061, G2062, G2063, G2064, G2065, G9679, G9683, G9684, G9685, G9686, G9687, G9688, G9690, G9691, G9692, G9693, G9694, G9700, G9702, G9704, G9705, G9707, G9708, G9709, G9710, G9713, G9714, G9715, G9718, G9720, G9723, G9725, G9740, G9741, G9758, G9760, G9761, G9768, G9801, G9802, G9805, G9809, G9816, G9819, G9825, G9827, G9828, G9830, G9831, G9832, G9856, G9857,
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		G9858, G9860, G9861, G9898, G9899, G9900, G9901, G9910, G9911, 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, 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
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
RX0539	i.v. solutions & additives
RX0540	Nitrates and other antianginals
RX0541	other antihypertensives
RX0645	antacids
RX0647	antiemetics and antinauseants
RX0648	digestives incl. enzymes
RX0649	drugs for constipation
RX0857	antiinflammatory and antirheumatic products
RX0862	other analgesics and antipyretics
RX0864	topical products for joint and muscular pain
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
RX0974	ectoparasitocides incl. scabicides insecticides and repellents
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
RX1090	endocrine therapy
RX1092	thyroid preparations
RX13101	other gynecologicals
RX13102	progestogens
RX13103	sex hormones and modulators of the genital system
RX1398	estrogens
RX1399	gonadotropins and other ovulation stimulants
RX16106	iron preparations
RX16109	vitamin b12 and folic acid
RX18117	antibacterials for systemic use
RX18119	antiinfectives
RX18122	antivirals for systemic use
RX19125	anxiolytics
RX23129	immune sera and immunoglobulins
RX23131	mineral supplements
RX23133	other nutrients
RX23134	vaccines
RX23135	vitamins
RX99136	anesthetics general
RX99137	anesthetics local
RX99138	medical gas