

# Tonsillectomy (TONSIL) 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 Tonsillectomy, sometimes abbreviated TONSIL, is a procedural episode. The Tonsillectomy episode includes services related to the procedure such as a facility stay, anesthesia services, as well as services within the 30-day pre- and 90-day post-operative care time window, such as diagnostic services, (imaging, labs etc.), office visits, and ancillary services.

## Episode Components

Triggers	A Tonsillectomy 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"> <li>• Streptococcal Sore Throat</li> <li>• Sleep Apnea</li> <li>• Tonsillectomy +/- Adenoidectomy</li> </ul>

# Code Tables

Table 1: Trigger Codes

Trigger Type	Code Value
CPT / HCPCS Triggers	42820, 42821, 42825, 42826, 42830, 42831, 42835, 42836
ICD-10-CM (DX) Qualifying Diagnosis	G4730, G4733, G4739, J020, J0301, J0381, J0391, J311, J312, J3501, J3502, J3503, J351, J352, J353, J358, J359, J36, R1311, R1312, R4922
ICD-10-PCS (PX) Triggers	0C5P0ZZ, 0C5P3ZZ, 0C5PXZZ, 0C5Q0ZZ, 0C5Q3ZZ, 0C5QXZZ, 0CTP0ZZ, 0CTPXZZ, 0CTQ0ZZ, 0CTQXZZ

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Table 2: ICD-10 Typical Diagnosis

Group ID	Group Name	Code Value
DXX0020	Superficial injury; contusion	S00501D, S00502D, S00511D, S00512D, S00531D, S00541D, S00542D, S00571D, S00572D, S100XXD, S1010XD, S1011XD, S1014XD
DXX01185	NS - chronic pain - post op	G8928
DXX03128	Resp - throat pain	R070
DXX03129	Resp - voice disturbance	R4921, R4922
DXX03131	Resp - head / neck symptoms	R065, R067, R196
DXX03252	Acute otitis media	H6500, H6501, H6502, H6503, H6504, H6505, H6506, H6507, H65111, H65112, H65113, H65114, H65115, H65116, H65117, H65119, H6590, H6591, H6592, H6593
DXX03258	Acute tonsillitis	J0381, J0391
DXX03266	Streptococcal sore throat	J020, J0300, J0301
DXX03275	Acute URI	J028, J029
DXX03276	Chronic ENT/ Upper Respiratory Problems	J311, J312
DXX03277	Disease of Tonsils and Adenoids	J3501, J3502, J3503, J351, J352, J353, J358, J359
DXX03284	Dislocation of Jaw	S0300XD, S0301XD, S0302XD, S0303XD, S030XXD
DXX0382	Ear - otalgia	H9201, H9202, H9203, H9209
DXX04187	Other lung problems	R0689
DXX05299	Shock / Cardiac Arrest	T882XXD
DXX05345	Orthostatic Hypotension / Dizziness	I951, R42
DXX05373	Shock during or post-procedure	T8119XD
DXX0588	CV - other heart ds	I00
DXX06267	Nausea, vomiting	R110
DXX06316	Achalasia, Esophageal Spasm, Stricture, Dysphagia	R1310
DXX06332	Dysphagia	R130, R1311, R1312
DXX09187	Wound Infections	T814XXD
DXX09190	Wound Dehiscence	T8130XD, T8131XD, T8132XD
DXX10108	Sleep Apnea	G4730, G4739
DXX10113	Obstructive sleep apnea	G4733
DXX1963	Anxiety Disorders	F064
DXX2008	Tobacco Use	T65212D, T65214D, T65221D, T65222D, T65224D, T65291D, T65292D, T65294D

DXX2104	NS - acute pain - post op	G8918
DXX2170	Frostbite Chillblains	T33011D, T33012D, T33019D, T3302XD, T3309XD, T331XXD, T332XXD, T333XXD, T3340XD, T3341XD, T3342XD, T33511D, T33512D, T33519D, T33521D, T33522D, T33529D, T33531D, T33532D, T33539D, T3360XD, T3361XD, T3362XD, T3370XD, T3371XD, T3372XD, T33811D, T33812D, T33819D, T33821D, T33822D, T33829D, T33831D, T33832D, T33839D, T3390XD, T3399XD, T34011D, T34012D, T34019D, T3402XD, T3409XD, T341XXD, T342XXD, T343XXD, T3440XD, T3441XD, T3442XD, T34511D, T34512D, T34519D, T34521D, T34522D, T34529D, T34531D, T34532D, T34539D, T3460XD, T3461XD, T3462XD, T3470XD, T3471XD, T3472XD, T34811D, T34812D, T34819D, T34821D, T34822D, T34829D, T34831D, T34832D, T34839D, T3490XD, T3499XD, T68XXD, T691XXD
DXX2171	Adverse effects of drugs	R502, T383X5D, T405X5D, T410X5D, T411X5D, T41205D, T41295D, T413X5D, T4145XD, T50A15D, T50A25D, T50A95D
DXX2175	Complications of anesthesia	T8852XD, T8853XD, T8859XD
DXX2340	Prvn - pre-op exam	Z0130, Z0131, Z01810, Z01811, Z01812, Z01818, Z0183
DXX2342	Prvn - encounter for lab test	Z0184
DXX2350	Othr - post-surgical states nec	Z9621, Z9622, Z974, Z978, Z983, Z9862, Z98891
DXX2354	Othr - aftercare	S00521D, S00522D, S00551D, S00552D, S00561D, S00562D, S01421D, S01422D, S01429D, S01441D, S01442D, S01449D, S01502D, S01512D, S01521D, S01522D, S01532D, S01541D, S01542D, S01552D, S0340XD, S0341XD, S0342XD, S0343XD, S0450XD, S0451XD, S0452XD, S1012XD, S1015XD, S1016XD, S1017XD, T180XXD
DXX2358	Othr - post op care	Z4803
DXX2359	Othr - other aftercare	Z48810, Z48813, Z5181
DXX2361	complications of surgical procedures	R5082, T888XXD

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DXX2362	complications of medical care	T7849XD, T788XXD, T887XXD, T889XXD
DXX2370	Fever & Chills	R5081, R509, R6883
DXX2378	Pain, unspecified	R52
DXX2379	Observation/Examination	Z0000, Z0189
DXX2380	Follow up after cancer treatment	Z08
DXX2381	Aftercare	Z09, Z4889, Z5189
DXX2387	Post-surgical states	Z9889, Z98890
DXX2395	Foreign body left during procedure	T81500D, T81501D, T81502D, T81503D, T81504D, T81505D, T81506D, T81507D, T81508D, T81509D, T81510D, T81511D, T81512D, T81513D, T81514D, T81515D, T81516D, T81517D, T81518D, T81519D, T81520D, T81521D, T81522D, T81523D, T81524D, T81525D, T81526D, T81527D, T81528D, T81529D, T81530D, T81531D, T81532D, T81533D, T81534D, T81535D, T81536D, T81537D, T81538D, T81539D, T81590D, T81591D, T81592D, T81593D, T81594D, T81595D, T81596D, T81597D, T81598D, T81599D, T8160XD, T8161XD, T8169XD
XX0000	Ungrouped Codes	S034XXD, Z0489

Table 3: ICD-10 Actionable Adverse Events

Group ID	Group Name	Code Value
DXX0019	Skin and subcutaneous tissue infections	L0889
DXX01391	Meningitis / Encephalitis	G038
DXX01395	Other cerebral complications	G060, G972, I676, I97810, I97811, I97820, I97821
DXX03252	Acute otitis media	H66001, H66002, H66003, H66004, H66005, H66006, H66007, H66009, H6640, H6641, H6642, H6643, H6690, H6691, H6692, H6693, H671, H672, H673, H679
DXX03254	Peritonsillar abscess	J36
DXX03271	Paralysis of vocal cords or larynx	J3800, J3801, J3802
DXX03278	Retropharyngeal and parapharyngeal abscess	J390

DXX03280	Acute otitis media w rupture ear drum	H66011, H66012, H66013, H66014, H66015, H66016, H66017, H66019
DXX03284	Dislocation of Jaw	S0300XA, S0301XA, S0302XA, S0303XA, S030XXA
DXX04126	other lung complications	J954, J955, J95859, J9588
DXX04130	Aspiration Pneumonia	J690, J691, J698
DXX04138	Viral Pneumonia	B012, J120, J122, J123, J1289, J129
DXX04142	Respiratory Failure	J80, J9584, J9600, J9601, J9602, J9610, J9611, J9612, J9620, J9621, J9622, J9690, J9691, J9692, R092
DXX04154	Respiratory Insufficiency	R0681, R0901, R0902, Y654, Z9981
DXX04155	laryngeal problems	J384, J385, J386
DXX04157	Hemoptysis	R042, R0489, R049
DXX04164	Chronic Fungal and Other Pneumonias	A70, B390, B391, B392, B440, B7781
DXX04170	Ventilator Associated Pneumonia	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, J953, J95821, J95822
DXX04177	Ventilator Dependence	Z9911, Z9912
DXX04187	Other lung problems	R063
DXX04188	Other Bacterial Pneumonia	J158, J159, J17, J188, J189
DXX04189	Debilitating Viral Pneumonia	J09X1
DXX04190	Influenza with Pneumonia	J1000, J1001, J1008, J1100, J1108
DXX05272	dic, coagulation, hemorrhagic disorders	D7582
DXX05274	Transfusion, Infusion related complications	D6951, E8771, R5084, T8029XA, T8030XA, T80310A, T80311A, T80319A, T8039XA, T8040XA, T80410A, T80411A, T80419A, T8049XA, T8051XA, T8059XA, T8061XA, T8069XA, T80818A, T8089XA, T8090XA, T80910A, T80911A, T80919A, T8092XA, T80A0XA, T80A10A, T80A11A, T80A19A, T80A9XA, Y620, Y621, Y623, Y630, Y631, Y640, Y650, Y651
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, T782XXA, T882XXA, T886XXA
DXX05373	Shock during or post-procedure	I97711, I97791, I9788, T8110XA, T8111XA, T8112XA, T8119XA

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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
DXX09190	Wound Dehiscence	T8130XA, T8131XA, T8132XA
DXX09193	Cellulitis, Skin Infection	B781, E832, K122, L0201, L0211, L03211, L03212, L03213, L03221, L03222, L0882, L089
DXX16296	Hemorrhage	R58
DXX1770	Complications from chemotherapy	T80810D
DXX1846	Opportunistic Infections	B395, B399
DXX1849	Other bacterial infections	A4901, A491, A493, A498, A499, B950, B951, B952, B953, B954, B955, B9561, B957, B958, B960, B966, B967, B9681, B9682, B9689, I76, J200, J202, 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
DXX1851	Sepsis	A392, A394, A400, A401, A403, A408, A409, A4101, A4102, A411, A412, A413, A414, A4150, A4151, A4152, A4153, A4159, A4181, A4189, A419, A5486, B007, B377
DXX1852	Severe Sepsis	A483, R6511, R6520, R6521
DXX1853	Bacteremia, SIRS, no organ dysfunction	R6510, R7881
DXX2161	Complications from Central Line	T80211A, T80211D, T80212A, T80212D, T80218A, T80218D, T80219A, T80219D, T8022XA
DXX2164	Accidental Falls	V00811A, V00811D, V00812A, V00812D, V00818A, V00818D, V00831A, V00831D, W050XXA, W050XXD, W051XXA, W051XXD, W052XXA, W052XXD, W06XXXA, W06XXXD, W07XXXA, W07XXXD, W08XXXA, W08XXXD, W102XXA, W102XXD, W108XXA, W108XXD, W109XXA, W109XXD, W1811XA, W1811XD, W1812XA, W1812XD
DXX2171	Adverse effects of drugs	G4440, G4441, K1232, T360X5A, T360X5D, T361X5A, T361X5D, T362X5A, T362X5D, T363X5A, T363X5D, T364X5A, T364X5D, T365X5A, T365X5D, T366X5A, T366X5D, T367X5A, T368X5A,

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DXX2175	Complications of anesthesia	T410X5A, T411X5A, T41205A, T41295A, T413X5A, T4145XA, T883XXA, T883XXD, T884XXA, T884XXD, T8851XD, T8852XA, T8853XA, T8859XA, Y653, Y700, Y701, Y702, Y703, Y708
DXX2361	complications of surgical procedures	D7801, D7802, D7811, D7812, D7821, D7822, D7831, D7832, D7833, D7834, E3601, E3602, E3611, E3612, E89810, E89811, E89820, E89821, E89822, E89823, G970, G9731, G9732, G9748, G9749, G9751, G9752, G9761, G9762, G9763, G9764, G9781, G9782, 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, J9589, 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,

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DXX2362	complications of medical care	D7881, D7889, E368, E8989, I973, J95850, L7681, L7682, M9689, T801XXA, T801XXD, T8052XD, T8062XD, T8181XA, T8181XD, T880XXA, T880XXD, T881XXA, T881XXD, T887XXA, T889XXA, Y633, Y635, Y636, Y638, Y639, Y641, Y648, Y649, Y658, Y66, Y69, Y844, Y847
DXX2395	Foreign body left during procedure	T81500A, T81501A, T81502A, T81503A, T81504A, T81505A, T81506A, T81507A, T81508A, T81509A, T81510A, T81511A, T81512A, T81513A, T81514A, T81515A, T81516A, T81517A, T81518A, T81519A, T81520A, T81521A, T81522A, T81523A, T81524A, T81525A, T81526A, T81527A, T81528A, T81529A, T81530A, T81531A, T81532A, T81533A, T81534A, T81535A, T81536A, T81537A, T81538A, T81539A, T81590A, T81591A, T81592A, T81593A, T81594A, T81595A, T81596A, T81597A, T81598A, T81599A, T8160XA, T8161XA, T8169XA
DXX9910	HAC 02: Air Embolism	T800XXA
XX000	Ungroup Codes	A0471, A0472, J95861, J95863, T40411A, T40411D, T40414A, T40414D, T40415A, T40415D, T40416A, T40416D, T40421A, T40421D, T40424A, T40424D, T40425A, T40425D, T40426A, T40426D, T40491A, T40491D, T40494A, T40494D, T40495A,

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		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
PXX01192	Diagnostic ultrasound of head and neck - 192	B040ZZZ, BH4CZZZ, BW4FZZZ
PXX02220	Ophthalmologic and otologic diagnosis and treatment - 220	F13Z0ZZ
PXX03231	Other therapeutic procedures - 231	5A05121, 5A05221, 5A19054, 6A0Z0ZZ, 6A0Z1ZZ, 6A150ZZ, 6A151ZZ
PXX0330	Tonsillectomy and/or adenoidectomy - 030	0CTP0ZZ, 0CTPXZZ, 0CTQ0ZZ, 0CTQXZZ, 0W330ZZ, 0W333ZZ, 0W334ZZ, 0W337ZZ, 0W338ZZ, 0W33XZZ
PXX0331	Diagnostic procedures on nose, mouth and pharynx - 031	0C9P0ZX, 0C9P3ZX, 0C9PXZX, 0C9Q0ZX, 0C9Q3ZX, 0C9QXZX, 0CBP0ZX, 0CBP3ZX, 0CBPXZX, 0CBQ0ZX, 0CBQ3ZX, 0CBQXZX, 0CJY0ZZ, 0CJY3ZZ, 0CJY4ZZ, 0CJY7ZZ, 0CJY8ZZ, 0CJYXZZ
PXX0333	Other OR therapeutic procedures on nose, mouth and pharynx - 033	0C5P0ZZ, 0C5P3ZZ, 0C5PXZZ, 0C5Q0ZZ, 0C5Q3ZZ, 0C5QXZZ, 0C9P00Z, 0C9P0ZZ, 0C9P30Z, 0C9P3ZZ, 0C9PX0Z, 0C9PXZZ, 0C9Q00Z, 0C9Q0ZZ, 0C9Q30Z, 0C9Q3ZZ, 0C9QX0Z, 0C9QXZZ, 0CBP0ZZ, 0CBP3ZZ, 0CBPXZZ, 0CBQ0ZZ, 0CBQ3ZZ, 0CBQXZZ, 0CNP0ZZ, 0CNP3ZZ, 0CNPXZZ, 0CNQ0ZZ, 0CNQ3ZZ, 0CNQXZZ, 0CQP0ZZ, 0CQP3ZZ, 0CQPXZZ, 0CQQ0ZZ, 0CQQ3ZZ, 0CQQXZZ
PXX04216	Respiratory intubation and mechanical ventilation - 216	5A09357, 5A09457, 5A09557
PXX04217	Other respiratory therapy - 217	3E0F73Z, 3E0F76Z, 3E0F77Z, 3E0F7BZ, 3E0F7GC, 5A09358, 5A09359, 5A0935B, 5A0935Z, 5A09458, 5A09459, 5A0945B, 5A0945Z, 5A09558, 5A09559, 5A0955B, 5A0955Z

PXX05227	Other diagnostic procedures (interview, evaluation, consultation) - 227	4A0ZXQZ, 4A1ZXQZ, 8E0KXY7
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Table 5: Relevant Procedure Codes CPT/HCPCS

Group ID	Group Name	Code Value
CT0025	Preventive Medicine, Care Coordination	98966, 98967, 98968, 99361, 99362, 99366, 99367, 99368, 99371, 99372, 99373, 99441, 99442, 99443, 99446, 99447, 99448, 99449, 99499, G0175, G0406, G0407, G0408, G0425, G0426, G0427, S0220, S0221, S0320
CT0089	Metabolic Renal Hepatic Chemistry Panel	80047, 80048, 80049, 80050, 80052
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
CT0092	Physician Services - Inpatient	99221, 99222, 99223, 99238, 99239, 99252, 99253, 99254, 99255
CT01394	Medications (Injections, infusions and other forms)	J0714, J0875, J7121
CT01395	DME and supplies	E0433, E0446, L8607
CT0141	Rx - central nervous system - benzodiazepines	J2250
CT0147	Imaging - ct - soft tissues neck	70490
CT02386	Ophthalmologic and otologic diagnosis and treatment	92537, 92538
CT0316	Procedure - control of nosebleed	42970
CT0324	Procedure - nasopharyngoscopy - dx	92511
CT0326	Procedure - tonsillectomy + / - adenoidectomy - tonsillectomy + / - adenoidectom	42860
CT0330	Procedure - other or rx on nose / mouth / pharynx - other	42842, 42962, 42971, 42972, 42999
CT0332	Procedure - other non - or rx on nose / mouth / pharynx	42960
CT0335	Procedure - laryngoscopy - dx	31575
CT0348	Procedure - anesthesia	00170, 00176
CT0349	Therapy - speech therapy	92506
CT0369	Imaging - x-ray - head/neck - other	70360, 70370, 70371
CT0371	Tests - ent - audiometry	92551, 92553, 92555, 92556, 92557, 92570, V5008
CT0380	Tests - ent - other dx	92502

CT0387	Tonsillectomy +/- Adenoidectomy; age 12 or over	42821, 42826, 42831, 42836
CT0388	Tonsillectomy +/- Adenoidectomy; younger than 12	42820, 42825, 42830, 42835
CT04281	Blood Gases, Pulse Oximetry	94762
CT04282	Chest X-Ray	71010, 71015, 71020, 71022, 71023, 71030, 71034, 71035
CT0433	Other care - respiratory - ventilator management	31500, 94660
CT0434	Other care - respiratory - oxygen / oxygen concentrator	E0430, E0441
CT0435	Other care - respiratory - equipment / supplies - ventilator	E0450, E0460, E0463, E0464
CT0441	Other care - respiratory - equipment / supplies - apnea monitor	94774, 94775, 94777, A4556, A4557, E0618, E0619
CT0442	Other care - respiratory - equipment / supplies	E0445, E0455, E0470, E0472, E0480, E0481, E0482, E0485, E0486, E0487
CT05195	Rx - cardiovascular system - antiarrhythmic rx	J0150, J0152, J0282, J2690
CT05196	Rx - cardiovascular system - beta blockers	J1800
CT05202	Rx - diuretics, loop diuretics	J1940, J3265, S0171
CT05203	Rx - diuretics, osmotic	J2150, J3350
CT05204	Rx - diuretics, thiazides / related	J1205
CT05205	Rx - diuretics - diuretic, carb anhydrase inhib	J1120
CT05307	Electrocardiogram - EKG monitoring	93000, 93005, 93010, G0403, G0404, G0405
CT0694	Rx - gi - antiemetics	J2550, J2765
CT1016	Rx - corticosteroids	J7622, J7624, J7626, J7627, J7633, J7634, J7637, J7638, J7641, J7683, J7684
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
CT1166	Lab - urinalysis	81007, 81015, 81020, 81050, 81099
CT1616	Therapy - transfusion - blood	P9010, P9011, P9016, P9021, P9022, P9038, P9039, P9040, P9051, P9054, P9056, P9057, P9058
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

CT16297	Blood Count	85004, 85007, 85008, 85009, 85013, 85014, 85018, 85025, 85027, 85032, 85041, 85048, 85049, G0306, G0307
CT16299	Bleeding Status	85002, 85598, 85730
CT16316	Blood transfusion	P9070, P9071, P9072
CT1632	Rx - coagulation system - hemostatics	P9012
CT1638	Rx - administration - injection	96374, 96375
CT1639	Rx - administration - infusion	96361
CT1805	Rx - antibiotics / antivirals / antifungals - infusion	S9345, S9494, S9497, S9500, S9501, S9502, S9503, S9504
CT1806	Rx - antibiotics - aminoglycosides	J0278, J1580, J1840, J1850, J3000, J3260, J7682, J7685
CT1807	Rx - antibiotics - cephalosporins	J0690, J0692, J0694, J0696, J0697, J0698, J0710, J0713, J0715, J1890
CT1809	Rx - antibiotics - chloramphenicol / comb	J0720
CT1810	Rx - antibiotics - macrolides	J0456, J1364, Q0144
CT1811	Rx - antibiotics - penicillins	J0290, J0295, J2510, J2540, J2543, J2700, S0032, S0040, S0081
CT1812	Rx - antibiotics - tetracyclines	J0120, J2460
CT1813	Rx - antibiotics, misc	J0770, J2010, J2020, J2770, J3320, J3370, S0021, S0074, S0077, S0142
CT1814	Rx - antibiotics - quinolones	J0744, J1590, J1956, J2280, S0034
CT1815	Rx - antibiotics - sulfonamides / comb	S0039
CT1816	Rx - antibiotics - anti-infectives, misc	J2545, J3305, J7676, S0030, S0080, S9061
CT1817	Rx - antivirals	90378, 90379, G9018, G9034, J0133, J0740, J1324, J1452, J1455, J1570, J3465, J3485, J7310, S0104, S0137, S0140, S9562
CT1825	Lab - microbiology - c & s	87040, 87045, 87046, 87070, 87071, 87073, 87075, 87076, 87077, 87081, 87084, 87086, 87088, 87101, 87102, 87103, 87106, 87107, 87109, 87116, 87118, 87140, 87143, 87147, 87149, 87150, 87152, 87153, 87158, 87181, 87184, 87185, 87186, 87187, 87188, 87190, 87197
CT1826	Lab - microbiology - microscopic exam	87205, 87206, 87207, 87209, 87210, 87220
CT1828	Lab - microbiology	P7001
CT18302	CHLAMYDIA SCREENING	87110
CT1907	Tests - neuro - sleep studies	95803, 95805, 95806, 95807, 95808, 95810, 95811, G0398, G0399, G0400
CT2331	Other care - observation	G0379
CT23398	Ancillary Services	99415, 99416
CT9902	E & M - consultation	Q3014, T1014

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CT9903	E & M - hospital	99217, 99218, 99219, 99220, 99231, 99232, 99233, 99234, 99235, 99236, 99291, 99292, 99293, 99294, 99298, 99299, 99300, 99466, 99475, 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
CT9908	E & M - other	99026, 99027, 99056, 99060, 99150, 99288, 99289, 99290, 99360, 99455, 99456, 99485, 99486, 99488, S0260
CT9910	Procedure - anesthesia	99140
CT99109	Imaging - mri - contrast agent	A9576, A9577, A9578, A9579, A9581, A9583, Q9953, Q9954
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
CT99148	Lab - surgical pathology	88300, 88304, 88311, 88312, 88313, 88314, 88318, 88319, 88321, 88323, 88325, 88329, 88331, 88332, 88333, 88334, 88342, 88346, 88347, 88365, 88367, 88368, 88371, 88372, 88380, 88381, 88384, 88385, 88386, 88387, 88388, 88399
CT99169	Lab - specimen collection - blood - venous - venipuncture	36400, 36405, 36406, 36410, 36415, S9529
CT99173	Lab - specimen collection - specimen handling	99000
CT99176	Lab - stat request	S3600, S3601
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, S9975, S9992, T2001, T2002, T2003, T2004, T2005, T2007, T2049
CT99186	DME - beds / accessories	E0462
CT99191	Supplies	A4206, A4207, A4208, A4209, A4210, A4211, A4212, A4213, A4215, A4216, A4217, A4218, A4244, A4245, A4246, A4247, A4248, A4265, A4270, A4280, A4450, A4452, A4455, A4456, A4461, A4463, A4465, A4470, A4480, A4550, A4649, A4651, A4652, A6000, A6010, A6011, A6021, A6022, A6023, A6024,

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		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, A6410, A6411, A6413, A6441, A6442, A6443, A6444, A6445, A6446, A6447, A6448, A6449, A6450, A6451, A6452, A6453, A6454, A6455, A6456, A6457, A6550, A7000, A7001, A7002, C1751, C1769, C1883, C1894, C9898, J1642, S8430, S8431, T2028
CT99309	Physician Services	99251
CT99311	Urine Protein	81000, 81001, 81002, 81003, 81005
CT99314	Robotic Surgery	S2900
CT99316	Physician Services - Inpatient	99356, 99357
CT99392	Other diagnostic procedures (interview, evaluation, consultation)	0203T, 0204T, G0438, G0439
CT99402	Care Plan Oversight	99340, 99374, 99375, 99377, 99378, 99379, 99380
CT99408	Chronic Care Management	99487, 99489
CT99411	Medication Therapy Management Services	99605, 99606, 99607
CT99415	Physician Services - Outpatient	99358, 99359
CT99416	Procedures and Reporting	99080, 99090, 99091
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
CT9952	Rx - electrolytic, caloric, water - sodium chlor preps	J7030
CT9956	Rx - electrolytic, caloric, water - hydration - unspecified	90760, 90761
CT9957	Rx - miscellaneous rx	J3490
CT9960	Rx - miscellaneous rx - anesthetics, local	J0670, J2001, J2400, J2795, S0020
XX0000	Ungrouped Codes	2018F, 2031F, 33951, 33952, 33953, 33954, 33957, 33958, 33959, 33962, 33965, 33966, 33969, 33984, 37191, 37192, 37193, 37619, 6030F, 96360, 97610, C9443, C9444, C9446, C9742,

		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, G8916, G8917, G8918, G8961, G8962, G8967, G8968, G8969, G8970, G8971, G8972, G9199, G9200, G9201, G9298, G9299, G9307, G9308, G9309, G9310, G9311, G9312, G9362, G9363, G9497, G9540, G9558, G9559, G9560, G9642, G9644, G9645, G9654, G9655, G9656, G9657, G9658, J2274, J2704, Q9974, S0144, 36415, 62320, 90674, 90682, 90750, 90756, 98970, 98971, 98972, 99152, 99153, 99155, 99156, 99157, 99421, 99422, 99423, 99451, 99452, 99453, 99454, 99457, 99458, 0004U, 0006U, 0011U, 0116U, 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, G9707, G9709, G9710, G9712, G9713, G9714, G9715, G9718, G9720, G9723, G9725, G9740, G9741, G9758, G9760, G9761, G9768, G9775, G9776, G9777, G9801, G9802, G9805, G9809, G9816, G9819, G9856, G9857, G9858, G9860, G9861, G9898, G9901, G9910, G9916, G9917, G9918, G9919, G9920, G9921, G9922, G9923, G9938, G9954, 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
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RX001	contrast media
RX002	diagnostic agents
RX0111	parasympathomimetics
RX016	antimigraine preparations
RX017	hypnotics and sedatives
RX0320	cough and cold preparations
RX0321	decongestants and other nasal preparations for topical use
RX0322	other otologicals
RX0323	otologicals - antiinfectives
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
RX0532	antiarrhythmics class i and iii
RX0533	antiarrhythmics class 1c
RX0538	diuretics
RX0539	i.v. solutions & additives
RX0645	antacids
RX0647	antiemetics and antinauseants
RX0648	digestives incl. enzymes
RX0857	antiinflammatory and antirheumatic products
RX0860	muscle relaxants
RX0861	opioids
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
RX0976	irrigating solutions
RX0977	medicated dressings
RX0979	preparations for treatment of wounds and ulcers
RX1086	corticosteroids for systemic use
RX16106	iron preparations
RX16109	vitamin b12 and folic acid
RX18117	antibacterials for systemic use
RX18118	antifungals for systemic use

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RX18119	antiinfectives
RX18121	antimycobacterials
RX18122	antivirals for systemic use
RX19125	anxiolytics
RX23131	mineral supplements
RX23133	other nutrients
RX23135	vitamins
RX99136	anesthetics general
RX99137	anesthetics local
RX99138	medical gas