

APPENDIX 1

Appendix 1: Codes Used in Identifying Cancer-Related and Supportive Care Therapies		
Procedure or Diagnosis	Code Type	Code/Drug Names
<i>Cancer-directed Treatments</i>		
Gastric surgery	SEER Site-specific surgery code	30, 31, 32, 33, 40, 41, 42, 50, 51, 52, 60, 61, 62, 63, 80 43620, 43621, 43622, 43631, 43632, 43633,
	HCPSCS/CPT	43634, 43775, 43845 435, 436, 437, 4381, 4389, 4391,
	ICD-9 procedure	4399
Radiation therapy	ICD-9 diagnosis	V58.0, V66.1, V67.1
	ICD-9 procedure	92.21-92.29
	Revenue center codes	0330, 0333 77401-77499, 77520, 77523, 77750-77799, G0256, G0261
Chemotherapy		
Aldesleukin	HCPSCS/CPT	J9015
Bleomycin	HCPSCS/CPT	J9040
Capecitabine	HCPSCS/CPT	J8520, J8521
	NDC	00004110020, 00004110150
Carboplatin	HCPSCS/CPT	J9045
Cisplatin	HCPSCS/CPT	C9418, J9060, J9062
Cladribine	HCPSCS/CPT	J9065
Cyclophosphamide	HCPSCS/CPT	J9070, J9080, J9090-J9097
Dacarbazine	HCPSCS/CPT	J9130
Dactinomycin	HCPSCS/CPT	J9120
Docetaxel	HCPSCS/CPT	J9170
		J9000, J9001, J9010, Q2048, Q2049, C9415
Doxorubicin	HCPSCS/CPT	C9415
Epirubicin	HCPSCS/CPT	J9178
Eribulin	HCPSCS/CPT	C9280, J9179
	NDC	502420062, 502420063, 502420064, 689560001, 689560002, 689560003, 001313250
Erlotinib		
Etoposide	HCPSCS/CPT	C9414, C9425, J8560, J9181, J9182
Fludarabine	HCPSCS/CPT	J9185
Fluorouracil	HCPSCS/CPT	J9190
Gefitinib	HCPSCS/CPT	J8565
Gemcitabine	HCPSCS/CPT	J9201

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Gemtuzumab	HCPCS/CPT	J9300
Ifosfamide	HCPCS/CPT	C9427, J9208
Irinotecan	HCPCS/CPT	J9206
Ixabepilone	HCPCS/CPT	J9207, C9240
Leucovorin	HCPCS/CPT	J0640
Methotrexate	HCPCS/CPT	J9250, J9260
Mitomycin	HCPCS/CPT	C9432, J9280, J9290, J9291
Mitoxantrone	HCPCS/CPT	J9293
Oxaliplatin	HCPCS/CPT	C9205, J9263
Paclitaxel	HCPCS/CPT	J9264, J9265, C9431
Pemetrexed	HCPCS/CPT	C9213, J9305
Topotecan	HCPCS/CPT	J9350
Vinblastine	HCPCS/CPT	J9360
Vincristine	HCPCS/CPT	J9370, J9375, J9380
Vinorelbine	HCPCS/CPT	J9390
General administration codes	HCPCS/CPT	96400, 96405, 96406, 96408, 96410, 96412, 96414, 96420, 96422, 96423, 96420, 96440, 96445, 96450, C1774, J9999, Q0083, Q0084, Q0085
Biologics (trastuzumab, lapatinib, bevacizumab, cetuximab, and panitumumab)	NDC	50242006001, 50242006101
	HCPCS	J9035, J9055, J9303, J9355, Q2024, S0116, C9214, C9215, C9257, C9235
Supportive/Palliative Medications		
Hematopoietic growth factors		
Filgrastim	HCPCS/CPT	P9050, J1440, J1441
Pegfilgrastim	HCPCS/CPT	C9119, S0135, J2505, Q4053, Q0136, J0885, J0886, Q4081, Q4055, 90788, S5016, S5017, S9494, S9497, S9500, S9502, S9503, S9504, 82668, S9535, S9537, S9538
Erythropoietin (Epoetin)	HCPCS/CPT	
Sargramostim	HCPCS/CPT	J2820
Darbepoetin	HCPCS/CPT	J0880, J0881, J0882, Q0137, Q4054, S0112, C1774
Iron supplements	HCPCS/CPT	J1750, J1755, J1756, J2916, Q0138,

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		Q0139
Antibiotics	NDC	63323023861, 00004196501 J0120, J0278, J1840, J1850, J7682, J7685, J1580, J3000, J0290, J2543, J0295, S0040, J0690, J0692, J2010, Q0144, J0456, J3370, J1364, J0878, J0720, J2020, 0558, J0561, J2540, J2700, J0706, J1956, J1590, J2280, J0694, J0697, J0120, J0698, J0696, J0713, S9504, J0200, S0016, S0021, S0024, S0030, S0032, S0034, S0039, S0040, S0072, S0073, S0074, S0077, S0081, S0085
	HCPCS/CPT	J0133, J0740, J1455, J7310, J1570, G9017, G9019, G9036, G9020, G9018, G9034, S0071, J3485, J3485
Antivirals	HCPCS/CPT	
Antiemetics		
Chlorpromazine	HCPCS/CPT	Q0171, Q0172, J3230
Diphenhydramine	HCPCS/CPT	J1200, Q0163
Dolasetron	HCPCS/CPT	J1260, Q0180
Dronabinol	HCPCS/CPT	Q0167, Q0168
Droperidol	HCPCS/CPT	J1790, J1810
Fosaprepitant	HCPCS/CPT	J1453
Granisetron	HCPCS/CPT	J1626, Q0166
Haloperidol	HCPCS/CPT	J1630, J1631
Hydroxyzine	HCPCS/CPT	J3410, Q0177, Q0178
Metoclopramide	HCPCS/CPT	J2765
Nabilone	HCPCS/CPT	J8650
Ondansetron	HCPCS/CPT	J2405, Q0179
Palonosetron	HCPCS/CPT	J2469
Perphenazine	HCPCS/CPT	J3310, Q0175, Q0176
Prochlorperazine	HCPCS/CPT	J0780, Q0164, Q0165
Promethazine	HCPCS/CPT	Q0169, Q0170
Thiethylperazine	HCPCS/CPT	Q0174, J9340
Trimethobenzamide	HCPCS/CPT	J3250, Q0173

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Antifungals		
Fluconazole	HCPCS/CPT	J1450
Amphotericin B	HCPCS/CPT	J0285, J0287-J0289
Itraconazole	HCPCS/CPT	J1835
Voriconazole	HCPCS/CPT	J3465
Caspofungin	HCPCS/CPT	J0637
Other	HCPCS/CPT	S0096, S0029
Pain Medications		
Morphine	HCPCS/CPT	S0093, J2270, J2271-J2275 J0592, J0595, J0745, J1170, J1230, J1960,
Other opioids	HCPCS/CPT	J2175, J2180, J2300, J2410, J3070, S0109, S0012, S0092, S0167
Ketorolac tromethamine	HCPCS/CPT	J1885
Fentanyl	HCPCS/CPT	J1810, J3010
Codeine	HCPCS/CPT	J0745
Hydrocodone	HCPCS/CPT	
Hydromorphone	HCPCS/CPT	J1170
Levorphanol	HCPCS/CPT	J1960
Methadone	HCPCS/CPT	J1230
Oxycodone	HCPCS/CPT	
Oxymorphone	HCPCS/CPT	J2410
Meperidine	HCPCS/CPT	J2175, J2180
Other Acetaminophen, Dextromethorphan, Propoxyphene, Tramadol	HCPCS/CPT	J0131 N/A (Identified in Part D via generic/brand names)
Nutritional supplements	HCPCS/CPT	B4034, B4035, B4036, B4081, B40821, B4083, B4084, B4085, B4086, B4087, B4088, B4100, B4102, B4103, B4104, B4149, B415, B4160, B4161, B4162, B4164, B4168, B4172, B4176, B4178, B4180, B4184, B4185, B4186, B4189, B4193, B4197, B4199, B4216, B5000, B B5100, B5200
Bisphosphonates		
Zoledronate (Zometa)	HCPCS/CPT	J3487
Ibandronate	HCPCS/CPT	J1740
Pamidronate	HCPCS/CPT	J2430

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Aclasta, Actonel, Alendronate, Aredia, Boniva, Didronel, Etidronate, Fosamax, Ibandronate, Neridronate, Nerixia, Olpadronate, Pamidronate, Reclast, Risedronate, Zoledronate, Zometa	N/A (Identified in Part D via generic/brand names)	
SEER = Surveillance, Epidemiology, and End Results; HCPCS = Healthcare Common Procedure Coding System; CPT = Current Procedural Terminology; ICD = International Classification of Diseases; N/A = not applicable		