

Supplementary Data

SUPPLEMENTARY TABLE S1. NONCURATIVE PROCEDURES WITH POTENTIALLY PALLIATIVE INDICATIONS
FOR PATIENTS WITH PANCREATIC CANCER

<i>Procedure</i>	<i>Procedure codes</i>
Ascites	
Intraperitoneal drain placement	ICD-9-CM 54.93; CPT 49324, 49418, 49419, 49421; ICD-10-CM 0D9W00Z, 0D9W30Z, 0D9W40Z, 0W1G3J4, 0W1G0J4, 0W1G4J4
Paracentesis	ICD-9-CM 54.91; CPT 49082, 49083; ICD-10-CM 0D9W0ZX, 0D9W0ZZ, 0D9W3ZX, 0D9W3ZZ, 0D9W4ZX, 0D9W4ZZ, 0W9G0ZX, 0W9G0ZZ, 0W9G3ZZ, 0W9G4ZX, 0W9G4ZZ, 0W9G00Z, 0W9G30Z, 0W9G40Z
Peritoneovascular shunt	ICD-9-CM 54.94; CPT 49425; ICD-10-CM 0W1G0JY, 0W1G4JY
Biliary obstruction	
Bile duct incision, excision, exploration, drainage, dilation, stent, or resection or gallbladder drainage	ICD-9-CM 51.01, 51.02, 51.03, 51.04, 51.42, 51.43, 51.49, 51.51, 51.59, 51.6, 51.62, 51.63, 51.72, 51.79, 51.86, 51.87, 51.94, 51.98, 51.99; CPT 47400, 47420, 47425, 47460, 47480, 47490, 47510, 47511, 47533, 47534, 47537, 47538, 47539, 47540, 47542, 47800, 47801; ICD-10-CM 0F75*, 0F76*, 0F78*, 0F79*, 0F7C*, 0F7D*, 0F7F*, 0F99*, 0F9C*, 0F9D*, 0FB4*, 0FB5*, 0FB6*, 0FB8*, 0FB9*, 0FBC*, 0FBD*, 0FBF*, 0FBG*, 0FT4*, 0FT5*, 0FT6*, 0FT7*, 0FT8*, 0FTC*, 0FTD*
Biliary bypass	ICD-9-CM 51.31 51.32 51.33 51.34 51.35, 51.36, 51.37, 51.39; CPT 47570, 47720, 47721, 47740, 47741, 47760, 47765, 47780, 47785; ICD-10-CM 0F14*, 0F15*, 0F16*, 0F18*, 0F19*, 0F1D*, 0F1G*
Gastric outlet obstruction or malignant bowel obstruction ^a	
Bypass procedures (gastro-enterostomy; entero-enterostomy)	ICD-9-CM 43.6, 43.7, 43.8, 43.71, 43.89, 44.38, 44.39, 45.91, 45.93, 45.94, 46.93, 46.94; CPT 43810, 43820, 43825, 43860, 44130; ICD-10-CM (excluding to cutaneous) 0D16*, 0D19*, 0D1A*, 0D1B*, 0D1H*, 0D1K*, 0D1L*, 0D1M*, 0D1N*
Stent, decompression, or drainage	ICD-9-CM 46.86; CPT 43266, 44021, 44370, 45327, 45337, 45347, 45389, 45393; ICD-10-CM 0D96*, 0D97*, 0D98*, 0D99*, 0D9A*, 0D9B*, 0D9C*, 0D9E*, 0D9F*, 0D9G*, 0D9H*, 0D9J*, 0D9K*, 0D9L*, 0D9M*, 0D9N*, 0D9P*
Gastric or intestinal resection or excision	ICD-9-CM 43.89, 45.61, 45.62, 45.73, 45.74, 45.76; CPT 43631, 43632, 43633, 44111, 44120, 44121, 44140, 44141, 44143, 44144, 44145, 44146, 44147, 44150, 44151, 44155, 44156, 44157, 44158, 44160, 44202, 44203, 44204, 44206, 44207, 44208, 44210, 44211, 44212, ICD-10-CM 0DB6*, 0DB7*, 0DB8*, 0DB9*, 0DBA*, 0DBB*, 0DBB*, 0DBC*, 0DBE*, 0DBF*, 0DBG*, 0DBH*, 0DBJ*, 0DBK*, 0DBL*, 0DBM*, 0DBN*, 0DBP*, 0DT6*, 0DT7*, 0DT8*, 0DT9*, 0DTA*, 0DTB*, 0DT*, 0DTC*, 0DTE*, 0DTF*, 0DTG*, 0DTH*, 0DTJ*, 0DTK*, 0DTL*, 0DTM*, 0DTN*, 0DTP*
Ostomy	ICD-9-CM 46.1, 46.11, 46.2, 46.21, 46.39; CPT 44125, 44125, 44186, 44187, 44188, ICD-10-CM (to cutaneous, any approach) 0D16*, 0D19*, 0D1A*, 0D1B*, 0D1H*, 0D1K*, 0D1L*, 0D1M*, 0D1N*
Venting gastrostomy, jejunostomy, ileostomy, or colostomy tube placement	ICD-9-CM 43.11, 43.19, 44.32; CPT 43653, 43750, 43820, 43830, 43832, 44015, 44300, 44320, 44373, 49440, 49446, 44615; 0DH60UZ, 0DH63UZ, 0DH64UZ, 0DH67UZ, 0DH68UZ, 0DH80UZ, 0DH83UZ, 0DH84UZ, 0DH87UZ, 0DH88UZ, 0DH90UZ, 0DH93UZ, 0DH94UZ, 0DH97UZ, 0DH98UZ, 0DHA0UZ, 0DHA3UZ, 0DHA4UZ, 0DHA7UZ, 0DHA8UZ, 0DHB0UZ, 0DHB3UZ, 0DHB4UZ, 0DHB7UZ, 0DHB8UZ
Lysis of adhesions	ICD-9-CM 54.51, 54.59; CPT 44005, 44180, ICD-10-CM 0DN8*, 0DN9*, 0DNA*, 0DNB*, 0DNC*, 0DNE*, 0DNF*, 0DNG*, 0DNH*, 0DNK*, 0DNL*, 0DNM*, 0DNN*, 0DNP*
Failure to thrive ^b	
Gastrostomy or jejunostomy tube placement (for feeding)	ICD-9-CM 43.11, 43.19, 44.32; CPT 43653, 43750, 43820, 43830, 43832, 44015, 44300, 44373, 49440, 49446; ICD-10-CM 0DH60UZ, 0DH63UZ, 0DH64UZ, 0DH67UZ, 0DH68UZ, 0DH80UZ, 0DH83UZ, 0DH84UZ, 0DH87UZ, 0DH88UZ, 0DH90UZ, 0DH93UZ, 0DH94UZ, 0DH97UZ, 0DH98UZ, 0DHA0UZ, 0DHA3UZ, 0DHA4UZ, 0DHA7UZ, 0DHA8UZ, 0DHB0UZ, 0DHB3UZ, 0DHB4UZ, 0DHB7UZ, 0DHB8UZ
Malignant pleural effusion	
Thoracentesis	ICD-9-CM 34.91; CPT 32421, 32554, 32555; ICD-10-CM 0B9N00Z, 0B9N00Z
Drain placement	ICD-9-CM 34.0, 34.02, 34.04, 34.05; CPT 32020, 32422, 32550, 32551, 32556, 32557; ICD-10-CM 0B9P00Z, 0B9N00Z, 0B9P30Z, 0B9N30Z, 0B9N40Z, 0B9P40Z
Pleurodesis	ICD-9-CM 34.91, 34.92; CPT 32560, 32650; ICD-10-CM 3E0L3TZ
Surgical drainage or decortication	ICD-9-CM 34.06, 34.09, 34.51, 34.52, 34.6; CPT 32320, 32225; 32664, 32651, 32652, 32656, ICD-10-CM 0B9N0ZZ, 0B9P0ZZ, 0B9P4ZZ, 0B9N4ZZ, 0B9P30ZZ, 0B5N0ZZ, 0B5N3ZZ, 0B5N4ZZ, 0B5P0ZZ, 0B5P3ZZ, 0B5P4ZZ, 0BDN0ZZ, 0BDN3ZZ, 0BDN4ZZ, 0BDP0ZZ, 0BDP3ZZ, 0BDP4ZZ

(continued)

SUPPLEMENTARY TABLE S1. (CONTINUED)

<i>Procedure</i>	<i>Procedure codes</i>
Pain	
Destruction or excision of sympathetic nerve or ganglion	ICD-9-CM 05.0, 05.2, 05.29 05.32, 05.39, 05.89; CPT 32664, 64530, 64680; ICD-10-CM 01BL0ZZ, 01BL3ZZ, 01BL4ZZ, 01B80ZZ, 01B83ZZ, 01B84ZZ, 01BM0ZZ, 01BM3ZZ, 01BM4ZZ, 01880ZZ, 01883ZZ, 01884ZZ, 018L0ZZ, 018L3ZZ, 018L4ZZ, 018M0ZZ, 018M3ZZ, 018M4ZZ, 01580ZZ, 01583ZZ, 01584ZZ, 015L0ZZ, 015L3ZZ, 015L4ZZ, 015M0ZZ, 015M3ZZ, 015M4ZZ, 01D80ZZ, 01D83ZZ, 01D84ZZ, 01DL0ZZ, 01DL3ZZ, 01DL4ZZ, 01DM0ZZ, 01DM3ZZ, 01DM4ZZ

^aIf patient has diagnosis code indicating obstruction: 537.0, 537.3, 560.8, 560.81, 560.89, 560.9, K56, K56.0, K56.5, K56.6, K56.60, K56.69, K56.7.

^bIf patient does not have diagnosis code indicating obstruction.