

Table Supplement 1. Codes to identify narrow case definition and treatment therapy

Code Type	Narrow Mesothelioma Case Definition Codes	Treatment Therapy Codes
Healthcare Common Procedure Coding System (HCPCS)	-Incision Procedures on the Lungs and Pleura, 32035-32225 -Introduction and Removal procedures of the Lungs and Pleura, 32550-32557 -Thoracoscopy Video Assisted Thoracic Surgery (VATS) on the Lungs and Pleura, 32601-32674 -Diagnostic Radiology Procedures of the Chest, 71045-71555 -Diagnostic Radiology Procedures of the Abdomen, 74018-74190 -Diagnostic Ultrasound Procedures of the Chest, 76604-76642 -Diagnostic Ultrasound Procedures of the Abdomen and Retroperitoneum, 76700-76776	<u>Chemotherapy</u> -Chemotherapy Administration, G0498 -Specific Chemotherapy Drugs Administered Intravenously, J9000-J9999 -Chemotherapy Administration, Q0083-Q0085 -Chemotherapy Administration, 96400-96549 <u>Radiation Oncology</u> -Radiation Treatment Delivery, 77401-77417 -Neutron Beam Treatment Delivery, 77423-77425 -Radiation Treatment Management, 77427-77499 -Proton Beam Radiation Treatment Delivery, 77520, 77523 -Radiation Oncology Treatment, 77750-77799 -High Dose Rate Electronic Brachytherapy Procedure, 0394T, 0395T -Radiation Therapy Services, G6001-G6017 -Stereotactic Radiation Therapy, 32701 <u>Surgical Procedures</u> -Incision Procedures on the Lungs and Pleura, 32035-32225 -Excision/Resection, 32310-32408 -Removal Procedures on the Lungs and Pleura, 32440-32540 -Introduction and Removal procedures of the Lungs and Pleura, 32550-32557 -Destruction Procedures on the Lungs and Pleura, 32560-32562 -Thoracoscopy VATS on the Lungs and Pleura, 32601-32674 -Repair Procedures on the Lungs and Pleura, 32800-32820 -Lung Transplantation Procedures, 32850-32856 -Surgical Collapse Therapy Procedures on the Lungs and Pleura, 32900-32960 -Other Procedures on the Lungs and Pleura, 32994-32999
ICD-10-Procedure Coding System (ICD-10-PCS)	-Any code with “B” as first character indicating “Imaging procedure” (e.g., radiography, fluoroscopy, CT, MRI, ultrasound) of: <ul style="list-style-type: none"> • Upper arteries (B3) • Lower arteries (B4) • Veins (B5) 	<u>Chemotherapy</u> -Introduce Other Antineoplastic in Peripheral Vein, 3E03305 -Introduce Other Antineoplastic in Central Vein, 3E04305 -Introduce Blinatumomab Antineoplastic Immunotherapy into Central Vein, XW03351

	<ul style="list-style-type: none"> • Respiratory system (BB) • Gastrointestinal system (BD) • Hepatobiliary System and Pancreas (BF) • Skin, subcutaneous tissue and breast (BH) • Non-axial upper bones (BP) • Axial skeleton, except skull and facial bones (BR), Urinary System (BT) or • Anatomical Region (BW) <p>-Any code with “0” as first character indicating “Medical and Surgical Procedure” and as the third character, either “9” (Drainage), “B” (Excision), or “D” (Extraction) along with a code “X” indicating “Diagnostic Procedure” in the seventh position</p>	<p>-Introduce Liposome Antineoplastic into Peripheral Vein, XW033B3</p> <p>-Introduce T-cell Immunotherapy into Peripheral Vein, XW033C3</p> <p>-Introduce Antineoplastic Immunotherapy into Central Vein, XW04351</p> <p>-Introduce cytarabine/daunorubicin Antineoplastic in Central Vein, XW043B3</p> <p>-Introduce T-Cell Immunotherapy into Central Vein, XW043C3</p> <p><u>Radiation Oncology</u></p> <p>-Radiation /oncology procedure code, any code with first character value of “D”</p> <p><u>Surgical Procedures</u></p> <p>-Any code with “0” as first character indicating “Medical and Surgical Procedure” and as the third character, either “9” (Drainage), “B” (Excision), or “D” (Extraction)</p>
ICD-10-CM Codes		<p><u>Chemotherapy</u></p> <p>-Encounter for antineoplastic chemotherapy and immunotherapy, Z51.1</p> <p><u>Radiation Oncology</u></p> <p>-Encounter for antineoplastic radiation therapy, Z51.0</p> <p>-Encounter for other specified aftercare, Z51.89</p> <p>-Encounter for follow-up examination after completed treatment for malignant neoplasm, Z08</p>