

Table 34.1  
Soft Tissue Sarcomas

Histologic Type at Parenchymatous and Nonparenchymatous Sites (Soft Tissues, Heart and Mediastinum, Retroperitoneum and Peritoneum, Pleura, Spleen) Among Histologically Confirmed Cases  
2008-2012 All Races, Both Sexes

Histologic Type	Nonparenchymatous Sites											
	Soft Tissues <sup>a</sup>		Retroperitoneum & Peritoneum <sup>b</sup>		Pleura <sup>c</sup>		Heart & Mediastinum <sup>d</sup>		Spleen <sup>e</sup>		All Other Sites	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Fibrosarcomas (8810-8813)	939	7.2%	-	-	-	-	-	-	-	-	115	0.6%
Infantile fibrosarcoma (8814)	21	0.2%	-	-	-	-	-	-	-	-	-	-
Fibrous histiocytoma, malignant (8830)	1,065	8.2%	26	1.2%	-	-	-	-	-	-	747	3.9%
Dermatofibrosarcomas (8832-8833)	506	3.9%	-	-	-	-	-	-	-	-	1,539	8.1%
Liposarcomas (8850-8855,8857)	2,226	17.1%	445	21.3%	-	-	17	5.7%	-	-	181	1.0%
Leiomyosarcomas (8890-8891,8894-8895,8897)	1,772	13.6%	389	18.6%	-	-	17	5.7%	-	-	2,223	11.7%
Rhabdomyosarcomas (8900-8902,8912-8921)	381	2.9%	16	0.8%	-	-	-	-	-	-	226	1.2%
Embryonal rhabdomyosarcoma (8910)	168	1.3%	-	-	-	-	-	-	-	-	183	1.0%
Hemangiosarcomas (9120,9124,9170)	475	3.6%	17	0.8%	-	-	59	19.8%	16	72.7%	654	3.4%
Hemangioendothelioma, malignant (9130)	-	-	-	-	-	-	-	-	-	-	19	0.1%
Hemangiopericytoma, malignant (9150)	78	0.6%	-	-	-	-	-	-	-	-	96	0.5%
Kaposi sarcoma (9140)	104	0.8%	-	-	-	-	-	-	-	-	1,969	10.4%
Malignant peripheral nerve sheath tumor (9540)	187	1.4%	-	-	-	-	-	-	-	-	375	2.0%
Malignant Neurilemmoma (9560-9561)	19	0.1%	-	-	-	-	-	-	-	-	47	0.2%
Neuroblastomas (9490,9500-9503,9505-9506)	74	0.6%	119	5.7%	-	-	59	19.8%	-	-	724	3.8%
Malignant granular cell tumors (9580)	-	-	-	-	-	-	-	-	-	-	19	0.1%
Synovial sarcomas (9040-9043)	594	4.6%	-	-	-	-	-	-	-	-	91	0.5%
Malignant mesotheliomas (9050-9054)	-	-	425	20.3%	3,401	98.4%	20	6.7%	-	-	183	1.0%

Source: SEER 18 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG). Percents may not sum to 100 due to rounding.

<sup>a</sup> Soft tissues (Connective, subcutaneous & other soft tissue) includes primary site codes C49.0-C49.9.

<sup>b</sup> Retroperitoneum & peritoneum includes primary site codes C48.0-C48.2, C48.8.

<sup>c</sup> Pleura is primary site code C38.4.

<sup>d</sup> Heart & mediastinum includes primary site codes C38.0-C38.3, C38.8.

<sup>e</sup> Spleen is primary site code C42.2.

- Statistic not shown due to fewer than 16 cases during the time period.

Table 34.1 - continued  
Soft Tissue Sarcomas

Histologic Type at Parenchymatous and Nonparenchymatous Sites (Soft Tissues, Heart and Mediastinum, Retroperitoneum and Peritoneum, Pleura, Spleen) Among Histologically Confirmed Cases  
2008-2012 All Races, Both Sexes

Histologic Type	Nonparenchymatous Sites											
	Soft Tissues <sup>a</sup>		Retroperitoneum & Peritoneum <sup>b</sup>		Pleura <sup>c</sup>		Heart & Mediastinum <sup>d</sup>		Spleen <sup>e</sup>		All Other Sites	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Giant cell and extraskeletal bone sarcomas (9180-9181, 9220,9231,9240-9243, 9250-9252,9260)	456	3.5%	18	0.9%	-	-	-	-	-	-	2,829	14.9%
Chordomas (9370-9372)	25	0.2%	-	-	-	-	-	-	-	-	395	2.1%
Malignant Pheochromocytoma, paraganglioma, glomus tumors (8680,8700,8710-8711)	-	-	18	0.9%	-	-	-	-	-	-	215	1.1%
Myxosarcomas (8840-8841)	83	0.6%	-	-	-	-	-	-	-	-	-	-
Sarcomas, NOS (8800-8803)	2,605	20.0%	184	8.8%	23	0.7%	43	14.4%	-	-	1,252	6.6%
Stromal cell sarcomas (8930-8931)	-	-	-	-	-	-	-	-	-	-	688	3.6%
Alveolar soft part sarcoma (9581)	68	0.5%	-	-	-	-	-	-	-	-	-	-
Epithelioid sarcoma (8804)	200	1.5%	-	-	-	-	-	-	-	-	66	0.3%
Clear cell sarcoma, NOS (9044)	77	0.6%	-	-	-	-	-	-	-	-	-	-
Complex mixed and stromal neoplasms (8935-8936,8964)	75	0.6%	96	4.6%	-	-	-	-	-	-	3,505	18.4%
Miscellaneous other sarcomas (8805,8858,8860,8896,8990-8991,9133,9161,9182-9187, 9192-9194,9200,9221,9330)	767	5.9%	281	13.4%	-	-	19	6.4%	-	-	638	3.4%
Total Sarcomas	13,024	100.0%	2,092	100.0%	3,455	100.0%	298	100.0%	22	100.0%	19,005	100.0%

Histologic Type	Nonparenchymatous Sites											
	Soft Tissues <sup>a</sup>		Retroperitoneum & Peritoneum <sup>b</sup>		Pleura <sup>c</sup>		Heart & Mediastinum <sup>d</sup>		Spleen <sup>e</sup>		All Other Sites	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Sarcomas	13,024	85.9%	2,092	42.0%	3,455	94.1%	298	25.9%	22	1.6%	19,005	1.0%
All other histologies	2,130	14.1%	2,885	58.0%	218	5.9%	852	74.1%	1,391	98.4%	1,860,386	99.0%
Total	15,154	100.0%	4,977	100.0%	3,673	100.0%	1,150	100.0%	1,413	100.0%	1,879,391	100.0%

Source: SEER 18 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG). Percents may not sum to 100 due to rounding.

<sup>a</sup> Soft tissues (Connective, subcutaneous & other soft tissue) includes primary site codes C49.0-C49.9.

<sup>b</sup> Retroperitoneum & peritoneum includes primary site codes C48.0-C48.2, C48.8.

<sup>c</sup> Pleura is primary site code C38.4.

<sup>d</sup> Heart & mediastinum includes primary site codes C38.0-C38.3, C38.8.

<sup>e</sup> Spleen is primary site code C42.2.

- Statistic not shown due to fewer than 16 cases during the time period.

Table 34.2

Site Distribution of Sarcomas and Other Histologies at Parenchymatous and  
Nonparenchymatous sites (Soft Tissues, Heart and Mediastinum, Retroperitoneum and peritoneum, Pleura, Spleen)  
Among Histologically Confirmed Cases  
2008-2012, All Races, Both Sexes

Primary Site (ICD-O-3 Site Code)	All Sarcomas <sup>a</sup>		Epidermoid Carcinoma <sup>b</sup>		Adenocarcinoma <sup>c</sup>		Other Specified Types <sup>d</sup>	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
All Nonparenchymatous Sites (C38.0-C38.4, C38.8, C42.2, C48.0-C48.2, C48.8, C49.0-C49.9)	18,892	49.8%	138	0.1%	2,190	0.2%	5,147	1.1%
Soft tissues (Connective, Subcutaneous & Other Soft Tissue) (C49.0-C49.9)	13,025	34.4%	132	0.1%	68	0.0%	1,929	0.4%
Retroperitoneum & Peritoneum (C48.0-C48.2, C48.8)	2,092	5.5%	-	-	2,121	0.2%	758	0.2%
Pleura (C38.4)	3,455	9.1%	-	-	-	-	218	0.0%
Heart & Mediastinum (C38.0-C38.3, C38.8)	298	0.8%	-	-	-	-	851	0.2%
Spleen (C42.2)	22	0.1%	-	-	-	-	1,391	0.3%
Parenchymatous Sites (All Other Primary Sites)	19,006	50.2%	238,721	99.9%	1,153,443	99.8%	468,221	98.9%
All Sites	37,898	100.0%	238,859	100.0%	1,155,633	100.0%	473,368	100.0%

Source: SEER 18 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG). Percents may not sum to 100 due to rounding.

<sup>a</sup> Sarcomas include histologies 8680, 8700-8711, 8800-8805, 8810-8814, 8830, 8832-8833, 8840-8841, 8850-8860, 8890-8931, 8935-8936, 8964, 8990-8991, 9040-9054, 9120-9124, 9130-9150, 9161-9221, 9231-9260, 9330, 9370-9372, 9490-9506, 9540, 9560-9561, 9580-9581.

<sup>b</sup> Epidermoid Carcinoma includes histologies 8051-8131.

<sup>c</sup> Adenocarcinoma includes histologies 8050, 8140-8147, 8160-8162, 8180-8221, 8250-8507, 8514, 8520-8560, 8570-8574, 8576, 8940-8941.

<sup>d</sup> Other Specified Types includes all histologies not included in Sarcomas, Epidermoid Carcinoma and Adenocarcinoma.

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