

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  
2012-2016 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)	1,525	7.9%	-	-	-	-	-	-	-	-	124	0.5%
Infantile fibrosarcoma (8814)	29	0.2%	-	-	-	-	-	-	-	-	-	-
Fibrous histiocytoma, malignant (8830)	806	4.2%	-	-	-	-	-	-	-	-	939	3.4%
Dermatofibrosarcomas (8832-8833)	831	4.3%	-	-	-	-	-	-	-	-	1,998	7.3%
Liposarcomas (8850-8855,8857)	3,205	16.6%	621	20.7%	-	-	33	7.6%	-	-	276	1.0%
Leiomyosarcomas (8890-8891,8894-8895,8897)	2,462	12.8%	535	17.9%	-	-	19	4.3%	-	-	3,246	11.8%
Rhabdomyosarcomas (8900-8902,8912-8921)	557	2.9%	24	0.8%	-	-	-	-	-	-	337	1.2%
Embryonal rhabdomyosarcoma (8910)	229	1.2%	-	-	-	-	-	-	-	-	254	0.9%
Hemangiosarcomas (9120,9124,9170)	787	4.1%	-	-	-	-	77	17.6%	31	77.5%	1,023	3.7%
Hemangioendothelioma, malignant (9130)	-	-	-	-	-	-	-	-	-	-	29	0.1%
Hemangiopericytoma, malignant (9150)	58	0.3%	-	-	-	-	-	-	-	-	120	0.4%
Kaposi sarcoma (9140)	225	1.2%	-	-	-	-	-	-	-	-	2,630	9.6%
Malignant peripheral nerve sheath tumor (9540)	292	1.5%	17	0.6%	-	-	16	3.7%	-	-	449	1.6%
Malignant Neurilemmoma (9560-9561)	27	0.1%	-	-	-	-	-	-	-	-	74	0.3%
Neuroblastomas (9490,9500-9503,9505-9506)	134	0.7%	157	5.2%	-	-	95	21.7%	-	-	965	3.5%
Malignant granular cell tumors (9580)	23	0.1%	-	-	-	-	-	-	-	-	31	0.1%
Synovial sarcomas (9040-9043)	878	4.6%	-	-	-	-	26	5.9%	-	-	150	0.5%
Malignant mesotheliomas (9050-9054)	-	-	637	21.3%	4,461	98.7%	19	4.3%	-	-	256	0.9%

Source: SEER 21 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, Georgia excluding ATL/RG, Idaho, New York and Massachusetts). 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 SarcomasHistologic Type at Parenchymatous and Nonparenchymatous Sites (Soft Tissues, Heart and Mediastinum, Retroperitoneum and Peritoneum, Pleura, Spleen) Among Histologically Confirmed Cases  
2012-2016 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)	609	3.2%	-	-	-	-	-	-	-	-	3,898	14.2%
Chordomas (9370-9372)	33	0.2%	-	-	-	-	-	-	-	-	696	2.5%
Malignant Pheochromocytoma, paraganglioma, glomus tumors (8680,8700,8710-8711)	23	0.1%	23	0.8%	-	-	-	-	-	-	274	1.0%
Myxosarcomas (8840-8841)	139	0.7%	-	-	-	-	-	-	-	-	-	-
Sarcomas, NOS (8800-8803)	4,309	22.3%	200	6.7%	18	0.4%	78	17.8%	-	-	1,802	6.6%
Stromal cell sarcomas (8930-8931)	-	-	-	-	-	-	-	-	-	-	950	3.5%
Alveolar soft part sarcoma (9581)	78	0.4%	-	-	-	-	-	-	-	-	-	-
Epithelioid sarcoma (8804)	276	1.4%	-	-	-	-	-	-	-	-	85	0.3%
Clear cell sarcoma, NOS (9044)	93	0.5%	-	-	-	-	-	-	-	-	-	-
Complex mixed and stromal neoplasms (8935-8936,8964)	75	0.4%	101	3.4%	-	-	-	-	-	-	5,888	21.4%
Miscellaneous other sarcomas (8805,8858,8860,8896,8990-8991,9133,9161,9182-9187, 9192-9194,9200,9221,9330)	1,562	8.1%	575	19.2%	-	-	33	7.6%	-	-	961	3.5%
Total Sarcomas	19,292	100.0%	2,993	100.0%	4,519	100.0%	437	100.0%	40	100.0%	27,494	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	19,292	86.2%	2,993	45.3%	4,519	91.9%	437	22.3%	40	1.9%	27,494	1.0%
All other histologies	3,089	13.8%	3,619	54.7%	400	8.1%	1,523	77.7%	2,121	98.1%	2,641,262	99.0%
Total	22,381	100.0%	6,612	100.0%	4,919	100.0%	1,960	100.0%	2,161	100.0%	2,668,756	100.0%

Source: SEER 21 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, Georgia excluding ATL/RG, Idaho, New York and Massachusetts). 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.

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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  
2012-2016, 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)	27,284	49.8%	185	0.1%	2,732	0.2%	7,832	1.2%
Soft tissues (Connective, Subcutaneous & Other Soft Tissue) (C49.0-C49.9)	19,295	35.2%	175	0.1%	102	0.0%	2,809	0.4%
Retroperitoneum & Peritoneum (C48.0-C48.2, C48.8)	2,993	5.5%	-	-	2,625	0.2%	986	0.1%
Pleura (C38.4)	4,519	8.2%	-	-	-	-	400	0.1%
Heart & Mediastinum (C38.0-C38.3, C38.8)	437	0.8%	-	-	-	-	1,518	0.2%
Spleen (C42.2)	40	0.1%	-	-	-	-	2,119	0.3%
Parenchymatous Sites (All Other Primary Sites)	27,495	50.2%	345,865	99.9%	1,627,751	99.8%	667,645	98.8%
All Sites	54,779	100.0%	346,050	100.0%	1,630,483	100.0%	675,477	100.0%

Source: SEER 21 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, Georgia excluding ATL/RG, Idaho, New York and Massachusetts). 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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