

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  
2013-2017 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)	1,578	8.0%	-	-	-	-	-	-	-	-	114	0.4%
Infantile fibrosarcoma (8814)	29	0.1%	-	-	-	-	-	-	-	-	-	-
Fibrous histiocytoma, malignant (8830)	672	3.4%	-	-	-	-	-	-	-	-	948	3.4%
Dermatofibrosarcomas (8832-8833)	825	4.2%	-	-	-	-	-	-	-	-	2,005	7.2%
Liposarcomas (8850-8855,8857)	3,249	16.5%	604	19.8%	-	-	31	6.7%	-	-	289	1.0%
Leiomyosarcomas (8890-8891,8894-8895,8897)	2,461	12.5%	540	17.7%	-	-	23	5.0%	-	-	3,264	11.7%
Rhabdomyosarcomas (8900-8902,8912-8921)	594	3.0%	29	1.0%	-	-	-	-	-	-	342	1.2%
Embryonal rhabdomyosarcoma (8910)	217	1.1%	16	0.5%	-	-	-	-	-	-	258	0.9%
Hemangiosarcomas (9120,9124,9170)	855	4.3%	-	-	-	-	86	18.7%	31	79.5%	1,030	3.7%
Hemangioendothelioma, malignant (9130)	17	0.1%	-	-	-	-	-	-	-	-	29	0.1%
Hemangiopericytoma, malignant (9150)	42	0.2%	-	-	-	-	-	-	-	-	129	0.5%
Kaposi sarcoma (9140)	241	1.2%	-	-	-	-	-	-	-	-	2,477	8.9%
Malignant peripheral nerve sheath tumor (9540)	295	1.5%	19	0.6%	-	-	-	-	-	-	457	1.6%
Malignant Neurilemmoma (9560-9561)	25	0.1%	-	-	-	-	-	-	-	-	73	0.3%
Neuroblastomas (9490,9500-9503,9505-9506)	135	0.7%	147	4.8%	-	-	95	20.7%	-	-	943	3.4%
Malignant granular cell tumors (9580)	18	0.1%	-	-	-	-	-	-	-	-	26	0.1%
Synovial sarcomas (9040-9043)	882	4.5%	-	-	-	-	26	5.7%	-	-	149	0.5%
Malignant mesotheliomas (9050-9054)	-	-	661	21.7%	4,466	98.9%	17	3.7%	-	-	228	0.8%

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  
2013-2017 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)	631	3.2%	-	-	-	-	-	-	-	-	3,979	14.3%
Chordomas (9370-9372)	28	0.1%	-	-	-	-	-	-	-	-	706	2.5%
Malignant Pheochromocytoma, paraganglioma, glomus tumors (8680,8700,8710-8711)	30	0.2%	25	0.8%	-	-	-	-	-	-	279	1.0%
Myxosarcomas (8840-8841)	166	0.8%	-	-	-	-	-	-	-	-	-	-
Sarcomas, NOS (8800-8803)	4,558	23.1%	206	6.8%	-	-	84	18.3%	-	-	1,879	6.7%
Stromal cell sarcomas (8930-8931)	-	-	-	-	-	-	-	-	-	-	958	3.4%
Alveolar soft part sarcoma (9581)	81	0.4%	-	-	-	-	-	-	-	-	-	-
Epithelioid sarcoma (8804)	280	1.4%	-	-	-	-	-	-	-	-	101	0.4%
Clear cell sarcoma, NOS (9044)	101	0.5%	-	-	-	-	-	-	-	-	-	-
Complex mixed and stromal neoplasms (8935-8936,8964)	65	0.3%	88	2.9%	-	-	-	-	-	-	6,144	22.1%
Miscellaneous other sarcomas (8805,8858,8860,8896,8990-8991,9133,9161,9182-9187, 9192-9194,9200,9221,9330)	1,663	8.4%	629	20.7%	-	-	38	8.3%	-	-	997	3.6%
Total Sarcomas	19,750	100.0%	3,044	100.0%	4,515	100.0%	460	100.0%	39	100.0%	27,843	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	19,750	86.4%	3,044	46.0%	4,515	91.9%	460	22.5%	39	1.7%	27,843	1.0%
All other histologies	3,100	13.6%	3,571	54.0%	400	8.1%	1,583	77.5%	2,209	98.3%	2,690,658	99.0%
Total	22,850	100.0%	6,615	100.0%	4,915	100.0%	2,043	100.0%	2,248	100.0%	2,718,501	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  
2013-2017, 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)	27,810	50.0%	171	0.0%	2,724	0.2%	7,966	1.2%
Soft tissues (Connective, Subcutaneous & Other Soft Tissue) (C49.0-C49.9)	19,752	35.5%	163	0.0%	102	0.0%	2,833	0.4%
Retroperitoneum & Peritoneum (C48.0-C48.2, C48.8)	3,044	5.5%	-	-	2,617	0.2%	948	0.1%
Pleura (C38.4)	4,515	8.1%	-	-	-	-	400	0.1%
Heart & Mediastinum (C38.0-C38.3, C38.8)	460	0.8%	-	-	-	-	1,578	0.2%
Spleen (C42.2)	39	0.1%	-	-	-	-	2,207	0.3%
Parenchymatous Sites (All Other Primary Sites)	27,845	50.0%	350,539	100.0%	1,659,259	99.8%	680,858	98.8%
All Sites	55,655	100.0%	350,710	100.0%	1,661,983	100.0%	688,824	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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