

Table 35.1  
Soft Tissue Sarcomas

Histologic Type at Parenchymatous and Nonparenchymatous Sites (Soft Tissues, Heart and Mediastinum, Retroperitoneum and Peritoneum, Pleura, Spleen) Among Histologically Confirmed Cases  
2005-2009 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)                      | 750                       | 6.3%    | -                                         | -       | -                   | -       | -                                | -       | -                   | -       | 117             | 0.7%    |
| Infantile fibrosarcoma (8814)                  | 27                        | 0.2%    | -                                         | -       | -                   | -       | -                                | -       | -                   | -       | -               | -       |
| Fibrous histiocytoma, malignant (8830)         | 1,425                     | 11.9%   | 54                                        | 2.8%    | -                   | -       | -                                | -       | -                   | -       | 760             | 4.3%    |
| Dermatofibrosarcomas (8832-8833)               | 386                       | 3.2%    | -                                         | -       | -                   | -       | -                                | -       | -                   | -       | 1,581           | 8.9%    |
| Liposarcomas (8850-8855, 8857)                 | 1,980                     | 16.5%   | 389                                       | 19.9%   | -                   | -       | -                                | -       | -                   | -       | 154             | 0.9%    |
| Leiomyosarcomas (8890-8891, 8894-8895, 8897)   | 1,646                     | 13.7%   | 343                                       | 17.6%   | -                   | -       | 20                               | 7.0%    | -                   | -       | 2,071           | 11.7%   |
| Rhabdomyosarcomas (8900-8902, 8912-8921)       | 388                       | 3.2%    | 16                                        | 0.8%    | -                   | -       | -                                | -       | -                   | -       | 239             | 1.3%    |
| Embryonal rhabdomyosarcoma (8910)              | 134                       | 1.1%    | -                                         | -       | -                   | -       | -                                | -       | -                   | -       | 194             | 1.1%    |
| Hemangiosarcomas (9120, 9124, 9170)            | 435                       | 3.6%    | -                                         | -       | -                   | -       | 45                               | 15.8%   | 23                  | 76.7%   | 605             | 3.4%    |
| Hemangioendothelioma, malignant (9130)         | -                         | -       | -                                         | -       | -                   | -       | -                                | -       | -                   | -       | 16              | 0.1%    |
| Hemangiopericytoma, malignant (9150)           | 61                        | 0.5%    | -                                         | -       | -                   | -       | -                                | -       | -                   | -       | 76              | 0.4%    |
| Kaposi sarcoma (9140)                          | 102                       | 0.9%    | -                                         | -       | -                   | -       | -                                | -       | -                   | -       | 2,012           | 11.3%   |
| Malignant peripheral nerve sheath tumor (9540) | 220                       | 1.8%    | -                                         | -       | -                   | -       | -                                | -       | -                   | -       | 382             | 2.2%    |
| Malignant Neurilemmoma (9560-9561)             | 25                        | 0.2%    | -                                         | -       | -                   | -       | -                                | -       | -                   | -       | 79              | 0.4%    |
| Neuroblastomas (9490, 9500-9503, 9505-9506)    | 76                        | 0.6%    | 113                                       | 5.8%    | -                   | -       | 70                               | 24.6%   | -                   | -       | 754             | 4.2%    |
| Malignant granular cell tumors (9580)          | -                         | -       | -                                         | -       | -                   | -       | -                                | -       | -                   | -       | 23              | 0.1%    |
| Synovial sarcomas (9040-9043)                  | 602                       | 5.0%    | -                                         | -       | -                   | -       | -                                | -       | -                   | -       | 88              | 0.5%    |
| Malignant mesotheliomas (9050-9054)            | -                         | -       | 422                                       | 21.6%   | 3,306               | 98.8%   | 17                               | 6.0%    | -                   | -       | 179             | 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 35.1 - continued  
Soft Tissue SarcomasHistologic Type at Parenchymatous and Nonparenchymatous Sites (Soft Tissues, Heart and Mediastinum, Retroperitoneum and Peritoneum, Pleura, Spleen) Among Histologically Confirmed Cases  
2005-2009 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)                       | 451                       | 3.8%    | -                                         | -       | -                   | -       | -                                | -       | -                   | -       | 2,672           | 15.1%   |
| Chordomas (9370-9372)                                                                                                | 23                        | 0.2%    | -                                         | -       | -                   | -       | -                                | -       | -                   | -       | 355             | 2.0%    |
| Malignant Pheochromocytoma, paraganglioma, glomus tumors (8680, 8700, 8710-8711)                                     | 19                        | 0.2%    | -                                         | -       | -                   | -       | -                                | -       | -                   | -       | 214             | 1.2%    |
| Myxosarcomas (8840-8841)                                                                                             | 96                        | 0.8%    | -                                         | -       | -                   | -       | -                                | -       | -                   | -       | -               | -       |
| Sarcomas, NOS (8800-8803)                                                                                            | 2,192                     | 18.3%   | 199                                       | 10.2%   | 16                  | 0.5%    | 39                               | 13.7%   | -                   | -       | 1,114           | 6.3%    |
| Stromal cell sarcomas (8930-8931)                                                                                    | -                         | -       | -                                         | -       | -                   | -       | -                                | -       | -                   | -       | 696             | 3.9%    |
| Alveolar soft part sarcoma (9581)                                                                                    | 56                        | 0.5%    | -                                         | -       | -                   | -       | -                                | -       | -                   | -       | -               | -       |
| Epithelioid sarcoma (8804)                                                                                           | 186                       | 1.6%    | -                                         | -       | -                   | -       | -                                | -       | -                   | -       | 59              | 0.3%    |
| Clear cell sarcoma, NOS (9044)                                                                                       | 74                        | 0.6%    | -                                         | -       | -                   | -       | -                                | -       | -                   | -       | -               | -       |
| Complex mixed and stromal neoplasms (8935-8936, 8964)                                                                | 107                       | 0.9%    | 77                                        | 3.9%    | -                   | -       | -                                | -       | -                   | -       | 2,725           | 15.3%   |
| Miscellaneous other sarcomas (8805, 8858, 8860, 8896, 8990-8991, 9133, 9161, 9182-9187, 9192-9194, 9200, 9221, 9330) | 497                       | 4.1%    | 243                                       | 12.4%   | -                   | -       | -                                | -       | -                   | -       | 559             | 3.1%    |
| Total Sarcomas                                                                                                       | 11,992                    | 100.0%  | 1,953                                     | 100.0%  | 3,346               | 100.0%  | 284                              | 100.0%  | 30                  | 100.0%  | 17,753          | 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              | 11,992                    | 85.6%   | 1,953                                     | 39.6%   | 3,346               | 94.6%   | 284                              | 25.8%   | 30                  | 2.2%    | 17,753          | 1.0%    |
| All other histologies | 2,014                     | 14.4%   | 2,976                                     | 60.4%   | 191                 | 5.4%    | 815                              | 74.2%   | 1,340               | 97.8%   | 1,769,242       | 99.0%   |
| Total                 | 14,006                    | 100.0%  | 4,929                                     | 100.0%  | 3,537               | 100.0%  | 1,099                            | 100.0%  | 1,370               | 100.0%  | 1,786,995       | 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.

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