

Table 9A.8.2: Demographic Descriptive Statistics by Bone Cancer Type, by Age, United States, 1998-2011

Type	Total N	Age Category (N (% in Age Group))						
		18-29	30-39	40-49	50-59	60-69	70-79	80+
Chondrosarcoma, NOS	6993	620 (8.9%)	953 (13.6%)	1401 (20%)	1452 (20.8%)	1166 (16.7%)	920 (13.2%)	481 (6.9%)
Osteosarcoma, NOS	3876	1297 (33.5%)	501 (12.9%)	556 (14.3%)	506 (13.1%)	438 (11.3%)	358 (9.2%)	220 (5.7%)
Ewing sarcoma	1956	1240 (63.4%)	327 (16.7%)	208 (10.6%)	94 (4.8%)	51 (2.6%)	25 (1.3%)	11 (0.6%)
Chondroblastic osteosarcoma	920	364 (39.6%)	136 (14.8%)	128 (13.9%)	108 (11.7%)	94 (10.2%)	53 (5.8%)	37 (4%)
Sarcoma, Spindle Cell, Undifferentiated and NOS	882	71 (8%)	84 (9.5%)	101 (11.5%)	153 (17.3%)	172 (19.5%)	173 (19.6%)	128 (14.5%)
Myxoid chondrosarcoma	616	57 (9.3%)	85 (13.8%)	115 (18.7%)	126 (20.5%)	100 (16.2%)	90 (14.6%)	43 (7%)
Dedifferentiated chondrosarcoma	563	5 (0.9%)	17 (3%)	65 (11.5%)	101 (17.9%)	144 (25.6%)	134 (23.8%)	97 (17.2%)
Fibrous histiocytoma, malignant	543	26 (4.8%)	49 (9%)	74 (13.6%)	112 (20.6%)	119 (21.9%)	90 (16.6%)	73 (13.4%)
Fibroblastic osteosarcoma	422	129 (30.6%)	66 (15.6%)	85 (20.1%)	57 (13.5%)	42 (10%)	27 (6.4%)	16 (3.8%)
Parosteal osteosarcoma	334	155 (46.4%)	79 (23.7%)	55 (16.5%)	27 (8.1%)	8 (2.4%)	4 (1.2%)	6 (1.8%)
Hemangiosarcoma	310	9 (2.9%)	14 (4.5%)	30 (9.7%)	38 (12.3%)	77 (24.8%)	86 (27.7%)	56 (18.1%)
Leiomyosarcoma, NOS	187	12 (6.4%)	20 (10.7%)	30 (16%)	38 (20.3%)	38 (20.3%)	32 (17.1%)	17 (9.1%)
Fibrosarcoma, NOS	174	23 (13.2%)	18 (10.3%)	29 (16.7%)	28 (16.1%)	34 (19.5%)	26 (14.9%)	16 (9.2%)
Telangiectatic osteosarcoma	150	73 (48.7%)	27 (18%)	25 (16.7%)	5 (3.3%)	8 (5.3%)	7 (4.7%)	5 (3.3%)
Peripheral/Primitive neuroectodermal and Askin tumor	150	80 (53.3%)	28 (18.7%)	20 (13.3%)	9 (6%)	6 (4%)	6 (4%)	1 (0.7%)
Mesenchymal chondrosarcoma	128	46 (35.9%)	28 (21.9%)	24 (18.8%)	12 (9.4%)	8 (6.3%)	6 (4.7%)	4 (3.1%)
Clear cell chondrosarcoma	104	16 (15.4%)	18 (17.3%)	28 (26.9%)	19 (18.3%)	16 (15.4%)	5 (4.8%)	2 (1.9%)
Adamantinoma of long bones	101	39 (38.6%)	21 (20.8%)	15 (14.9%)	16 (15.8%)	6 (5.9%)	3 (3%)	1 (1%)
Juxtacortical chondrosarcoma	97	14 (14.4%)	25 (25.8%)	24 (24.7%)	10 (10.3%)	11 (11.3%)	9 (9.3%)	4 (4.1%)
Periosteal osteosarcoma	74	40 (54.1%)	16 (21.6%)	10 (13.5%)	3 (4.1%)	2 (2.7%)	2 (2.7%)	1 (1.4%)
Total	21,922							

Source: American College of Surgeons National Cancer Data Base (NCDB).

NOTE: NCDB Adult Bone Sarcoma Data Summary

Demographic data was available on adult (18 years old and older) cases diagnosed from 1998 – 2011. A total of 21,922 cases were available, of which we selected the 18,580 cases with the greatest frequency of diagnosis. Two- and 5-year mortality was only available for 11,684 cases from 1998 – 2006. We selected the following 9,997 cases to report in tabular form. The sample size by cancer type is provided in the tables. The difference in sample size is related to excluding cases without follow up data. Per NCDB, mortality data is not available for the last five years of collection (2007-2011). Also, per NCDB, cases were excluded if they had multiple cancer types.

The NCDB is a joint project of the Commission on Cancer of the American College of Surgeons and the American Cancer Society. The data used in this study and this report are derived from a de-identified NCDB file. The American College of Surgeons and the Commission on Cancer have not verified and are not responsible for the analytic or statistical methodology employed, or the conclusions drawn from these data by the investigator and authors of this work.