

Table 7B.7: Tumors of the Musculoskeletal System, by Age, United States

	Age Distribution [1] (%), in Years, by Site, 2010-2014								All Cases
	< 20	20-34	35-44	45-54	55-64	65-74	75-84	85+	
Diagnosis									
Bones and Joints	26.4%	15.7%	9.5%	11.8%	13.1%	11.7%	8.0%	3.7%	4,126
Myeloma	0.0%	0.6%	2.9%	10.8%	23.3%	29.2%	24.1%	9.2%	30,340
Soft Tissue	8.3%	9.0%	8.8%	14.6%	19.2%	17.7%	14.8%	7.5%	15,454
Death									
Bones and Joints	12.2%	14.5%	5.6%	9.7%	13.3%	15.5%	16.4%	12.8%	7,203
Myeloma	0.0%	0.1%	0.9%	5.2%	15.9%	27.0%	32.3%	18.6%	58,167
Soft Tissue	3.5%	6.1%	6.0%	12.8%	19.7%	20.8%	19.2%	11.9%	22,683
Prevalence of Childhood [2] Bone Cancers by Age, United States, January 1, 2014									
		0-19	20-29	30-39	40-49	50-59	60 & Over	All Ages	
Osteosarcoma [3]	Number	2,048	2,585	1,772	1,440	1,323	1,077	10,245	
	% of Total	20%	25%	17%	14%	13%	11%		
Ewing's Sarcoma [4]	Number	1,487	1,482	1,115	692	450	258	5,484	
	% of Total	27%	27%	20%	13%	8%	5%		

[1] Age-adjusted to the 2000 US Standard Population (19 age groups - Census P25-1130).

[2] Number of people diagnosed with cancer as children (ages 0-19) in the United States and alive on January 1, 2014.

[3] The most common type of primary bone cancer is found in the matrix that forms normal bones. Most osteosarcomas occur in children and young adults in areas where bone is growing rapidly. The most common sites for tumors are the arms, legs, and pelvis.

[4] Most Ewing tumors occur in bones, with the most common sites being the pelvis, chest wall (ribs or shoulder blades), and the legs, mainly the middle of the long bones. Most Ewing tumors occur in children and teens.

Source: Howlader N, Noone AM, Krapcho M, Miller D, Bishop K, Kosary CL, Yu M, Ruhl J, Tatalovich Z, Mariotto A, Lewis DR, Chen HS, Feuer EJ, Cronin KA (eds). SEER Cancer Statistics Review, 1975-2014, National Cancer Institute. Bethesda, MD, https://seer.cancer.gov/csr/1975_2014/, based on November 2016 SEER data submission, posted to the SEER web site, April 2017. Table 1.11: Age Distribution of Diagnosis by Site, 2010-2014, All races, Both Sexes and Table 1.13: Age Distribution of Deaths by Site, 2010-2014, All races, Both Sexes. Accessed January 22, 2018.