

Osteosarcomas

Region: Germany (Data from Eastern Germany are available since 1991.)

Time period: 1980 to 2015

Date: 07.2016

Selected characteristics

Incidence rates per million children less than 15 years

Relative frequency: 1393 (2,4 %)

Relative frequency of trial patients: 95.3 %

Incidence rates per million:

	Girls	Boys	Total
Number of cases:	693	700	1393
Standardized rate*:	3.0	2.9	2.9
Cumulative Incidence:	50	48	49
Sex ratio (m/f):			1.0

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Incidence rate - Girls:	0.0	0.4	2.6	7.1
Incidence rate - Boys:	0.0	0.4	2.4	6.9
Incidence rate - Total:	0.0	0.4	2.5	7.0

Median age at diagnosis: 12 years 2 months

* Standard: Segi world standard population

Age- and sex-specific incidence rates

Incidence rates per million children less than 15 years

Age	Number of cases			Incidence rates		
	Boys	Girls	Total	Boys	Girls	Total
0	0	0	0	0.0	0.0	0.0
1	0	2	2	0.0	0.2	0.1
2	4	0	4	0.3	0.0	0.2
3	7	5	12	0.5	0.4	0.5
4	7	10	17	0.5	0.8	0.7
5	21	16	37	1.6	1.2	1.4
6	25	22	47	1.8	1.7	1.8
7	24	27	51	1.7	2.1	1.9
8	41	47	88	2.9	3.6	3.2
9	52	59	111	3.7	4.4	4.0
10	69	73	142	4.8	5.3	5.1
11	69	85	154	4.7	6.1	5.4
12	86	108	194	5.7	7.6	6.6
13	131	103	234	8.5	7.1	7.8
14	162	134	296	10.3	9.0	9.7

Annual number of registered cases and incidence rates by sex

Incidence rates per million children less than 15 years

Year	Number of cases			Incidence rates		
	Boys	Girls	Total	Boys	Girls	Total
1980	15	21	36	2.2	3.2	2.7
1981	24	30	54	3.5	4.1	3.8
1982	16	15	31	2.3	2.3	2.3
1983	18	17	35	2.7	2.8	2.7
1984	17	16	33	3.2	2.8	3.0
1985	20	15	35	3.6	2.9	3.3
1986	18	17	35	3.5	3.4	3.4
1987	14	17	31	2.8	3.5	3.2
1988	14	13	27	2.7	2.8	2.8
1989	10	12	22	1.9	2.5	2.2
1990	12	22	34	2.3	4.4	3.3
1991	15	16	31	2.1	2.4	2.2
1992	29	24	53	3.9	3.4	3.7
1993	25	21	46	3.4	2.9	3.1
1994	23	24	47	3.0	3.3	3.2
1995	23	15	38	3.0	2.0	2.5
1996	28	15	43	3.6	2.0	2.8
1997	24	18	42	3.0	2.5	2.8
1998	16	28	44	2.0	3.7	2.9
1999	20	15	35	2.6	2.1	2.4
2000	13	24	37	1.8	3.3	2.5
2001	21	23	44	2.7	3.2	2.9
2002	24	20	44	3.1	2.8	2.9
2003	13	25	38	1.8	3.6	2.7
2004	27	19	46	3.7	2.8	3.3
2005	19	21	40	2.6	3.1	2.9
2006	30	14	44	4.4	2.1	3.3
2007	25	27	52	3.8	4.1	3.9
2008	11	23	34	1.6	3.5	2.5
2009	22	11	33	3.2	1.7	2.5
2010	15	22	37	2.3	3.4	2.9
2011	16	16	32	2.5	2.6	2.5
2012	16	24	40	2.5	4.0	3.2
2013	24	22	46	3.7	3.7	3.7
2014	20	15	35	3.1	2.5	2.8
2015	23	16	39	3.8	2.7	3.3

For some patients information on age or gender is missing, so that there could be differences if the numbers of cases are summed up.

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