



German Childhood Cancer Registry: Short Report 2025 (1980-2024)

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Suggested citation:

Erdmann F, Trübenbach C, Wellbrock M, Ronckers CM, Grabow D. German Childhood Cancer Registry: Short Report 2025 (1980–2024). Institute of Medical Biostatistics, Epidemiology and Informatics (IMBEI), University Medical Center of the Johannes Gutenberg University Mainz; 2026.

Overview of Results

Reported cases among children aged 0-17 years in 2024 (based on reports from 59 hospitals) 2346

Average annual reported cases among children aged 0 - 17 years 2330

(calculated based on reported cases from 2015 to 2024)

diagnosed before the 18th birthday ... one in 323 live-born children

Boys / Girls 1282 / 1048

Reported cases aged 0-4 years 876

Reported cases aged 5-9 years 502

Reported cases aged 10-14 years 542

Reported cases aged 15-17 years 410

Reported cases lymphoid leukaemias (LL) aged 0-17 years 526

Number of reported cases since the start of registration in 1980, through 2024 81323

in long-term surveillance (LTS) 48315

Population aged 0-17 years in millions

in 2024 14.0

average based on the years 2015 to 2024 13.5

Prognosis among children aged 0 - 17 years with cancer

85 % currently survive for at least 15 years after diagnosis

91 % currently survive for at least 15 years after a diagnosis of lymphoid leukaemia (LL)

Second primary neoplasms after an initial childhood cancer diagnosis at age 0-17 years

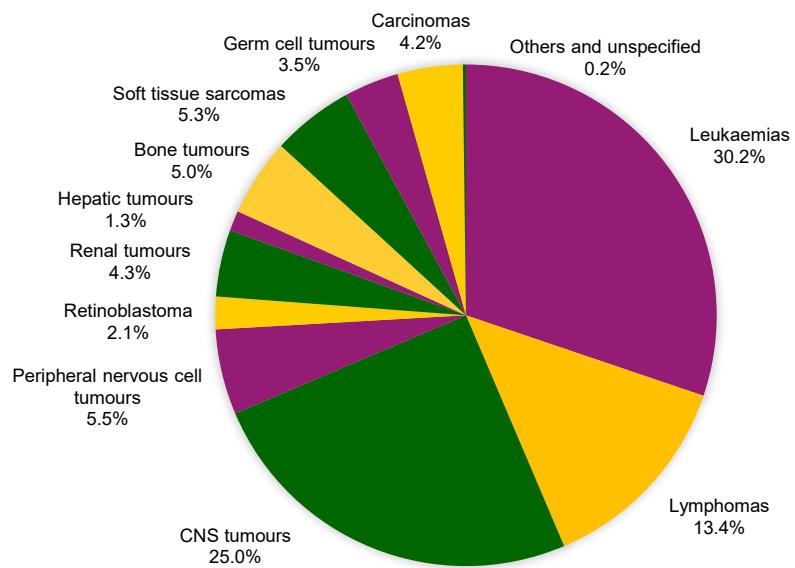
In total, 1792 patients were registered with second primary neoplasms

Average annual reported cases among children aged 0-17 years, by federal state

(calculated based on reported cases from 2015 to 2024)

	All diagnoses	Leukaemias		All diagnoses	Leukaemias
Schleswig-Holstein	92	28	Bavaria	361	107
Hamburg	54	18	Saarland	22	6
Lower Saxony	221	68	Berlin	100	30
Bremen	16	4	Brandenburg	60	19
North Rhine-Westphalia	512	159	Mecklenburg-Western Pomerania	43	11
Hesse	181	57	Saxony	118	33
Rhineland-Palatinate	116	35	Saxony-Anhalt	61	16
Baden-Württemberg	319	95	Thuringia	54	15

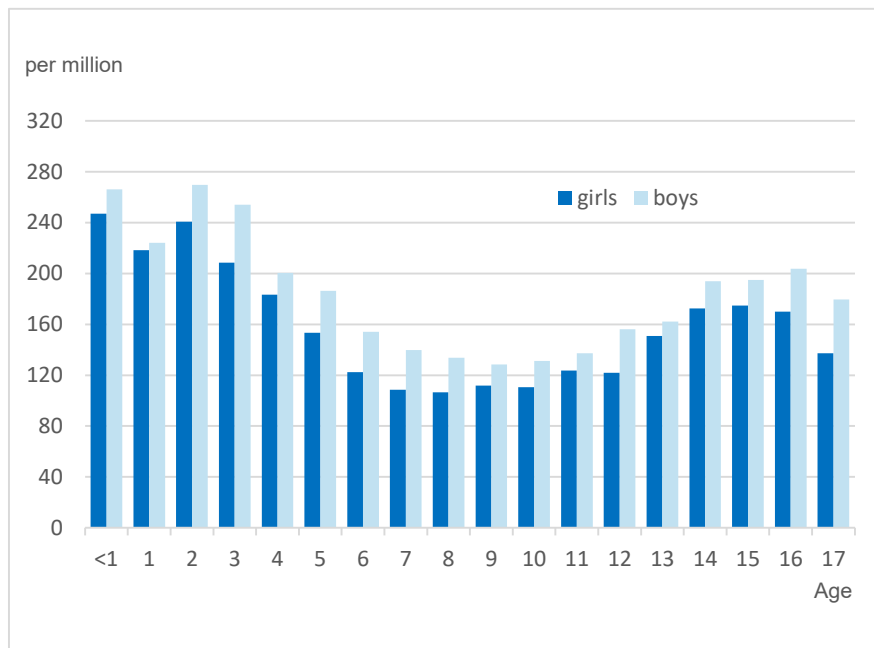
Figure 1: Distribution of childhood cancer diagnoses among children aged 0–17 years in Germany, 2015–2024, by diagnostic group^{a,b}



^aDefined according to the International Classification of Childhood Cancer-third edition (ICCC-3)

^bBased on 23,303 cancer diagnoses

Figure 2: Age- and sex-specific incidence rates per million among children aged 0–17 years in Germany, 2015–2024*



* Based on 23,303 cancer diagnoses

Table 1: Age-specific incidence rates and age-standardised rates of cancer among children aged 0–17 years in Germany, 2015–2024, by diagnostic group^a

	Age-specific incidence rates					ASR ^b by sex			Risk of childhood cancer ^c
	<1 year	1-4 years	5-9 years	10-14 years	15-17 years	boys	girls	both	
All cancer diagnoses	256.8	225.3	135.0	146.5	177.2	188.4	163.3	176.2	323
Leukaemias	46.3	97.9	44.9	33.8	34.2	59.5	48.9	54.4	1071
Lymphoid leukaemias	17.6	83.1	36.9	21.5	18.8	45.5	36.2	41.0	1433
Acute myeloid leukaemias	20.1	10.2	4.1	5.9	7.4	8.4	7.6	7.8	7503
Lymphomas	1.2	8.0	15.1	28.4	54.9	27.6	16.8	21.6	2410
Hodgkin lymphomas	0.0	0.9	4.8	16.8	38.9	12.8	11.0	11.6	4385
Non-Hodgkin lymphomas (incl. Burkitt lymphomas)	1.1	6.8	10.2	11.4	15.4	14.5	5.5	9.7	5486
CNS tumours	42.0	52.0	45.9	39.0	33.7	47.8	41.9	43.7	1290
CNS tumours, malignant	27.3	33.5	25.6	18.7	16.1	25.5	23.6	24.6	2322
CNS tumours, non-malignant	14.7	18.5	20.3	20.3	17.6	20.9	18.2	19.0	2901
Peripheral nervous cell tumours	69.9	18.5	3.3	1.5	1.2	12.2	10.7	11.2	5826
Retinoblastoma	29.6	8.8	0.2	0.1	0.0	4.6	4.5	4.4	15124
Renal tumours	18.8	18.6	6.0	1.4	0.9	8.3	8.7	8.3	7532
Hepatic tumours	9.6	4.7	0.9	0.9	0.7	3.0	2.1	2.5	25202
Bone tumours	0.8	1.9	5.7	14.9	14.3	9.4	7.0	8.0	6486
Soft tissue sarcomas	16.4	9.7	7.3	7.8	10.9	10.7	8.2	9.2	6126
Germ cell tumours	19.6	3.2	2.4	6.2	10.6	6.6	5.7	6.0	9337
Carcinomas	1.2	1.4	3.0	12.3	15.6	5.4	8.3	6.7	7694
Other and unspecified	1.3	0.6	0.2	0.3	0.4	0.4	0.5	0.4	139486

^aDefined according to the International Classification of Childhood Cancer-third edition (ICCC-3)

^bASR: age-standardised incidence rate (standardised according to the Segi World Standard Population) per 1,000,000 children aged 0-17 years.

^cRisk of a cancer diagnosis before the age of 18 years (calculation: 1 divided by the cumulative incidence per million x 1 million).

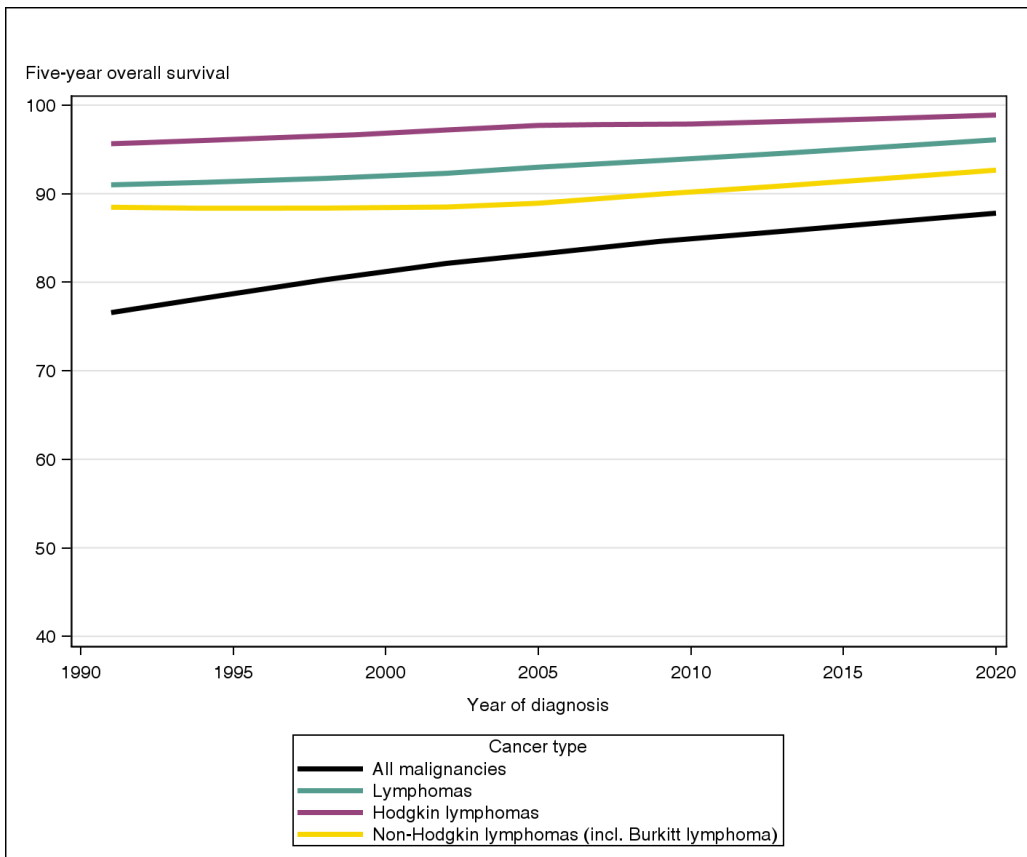
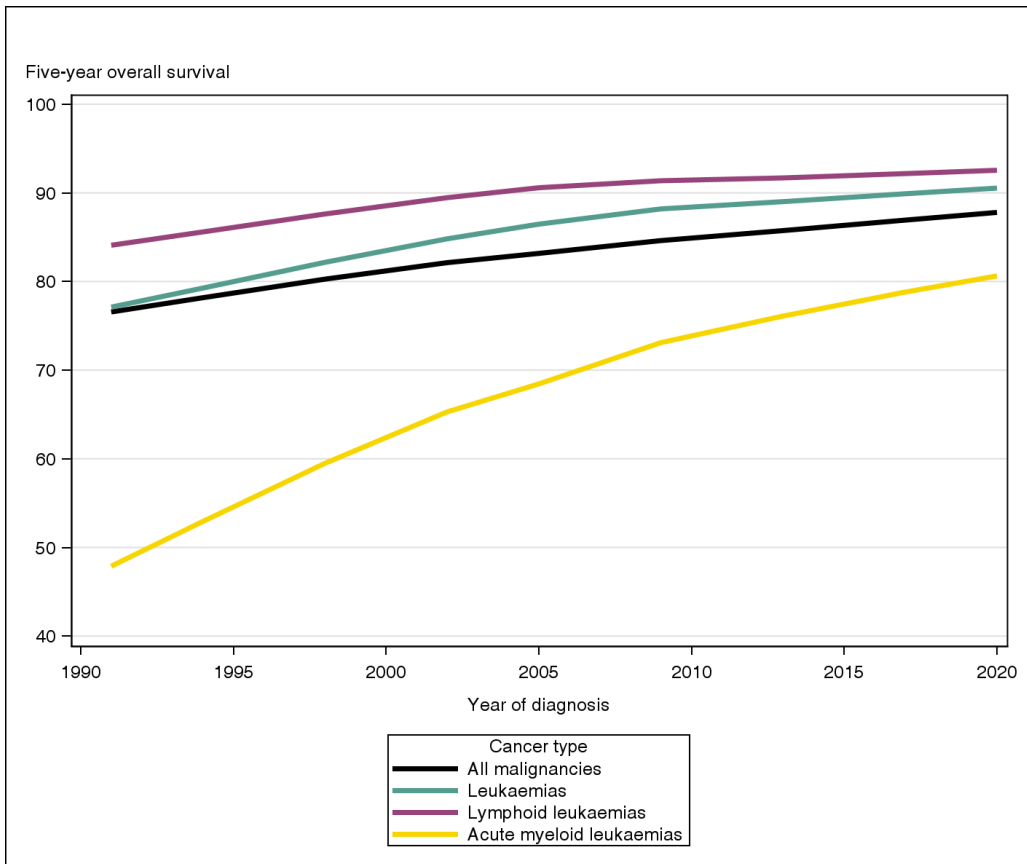
Table 2: Overall survival^a among children aged 0–17 years with cancer in Germany, by diagnostic group^b and year of diagnosis

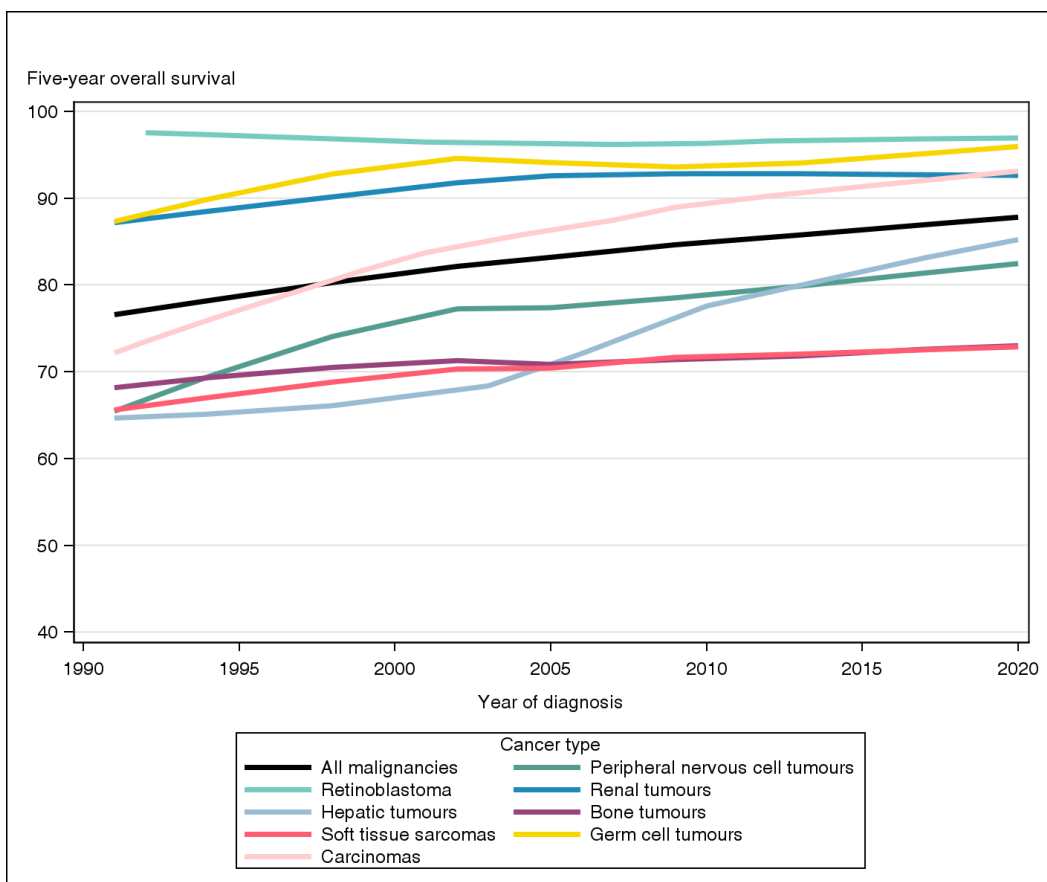
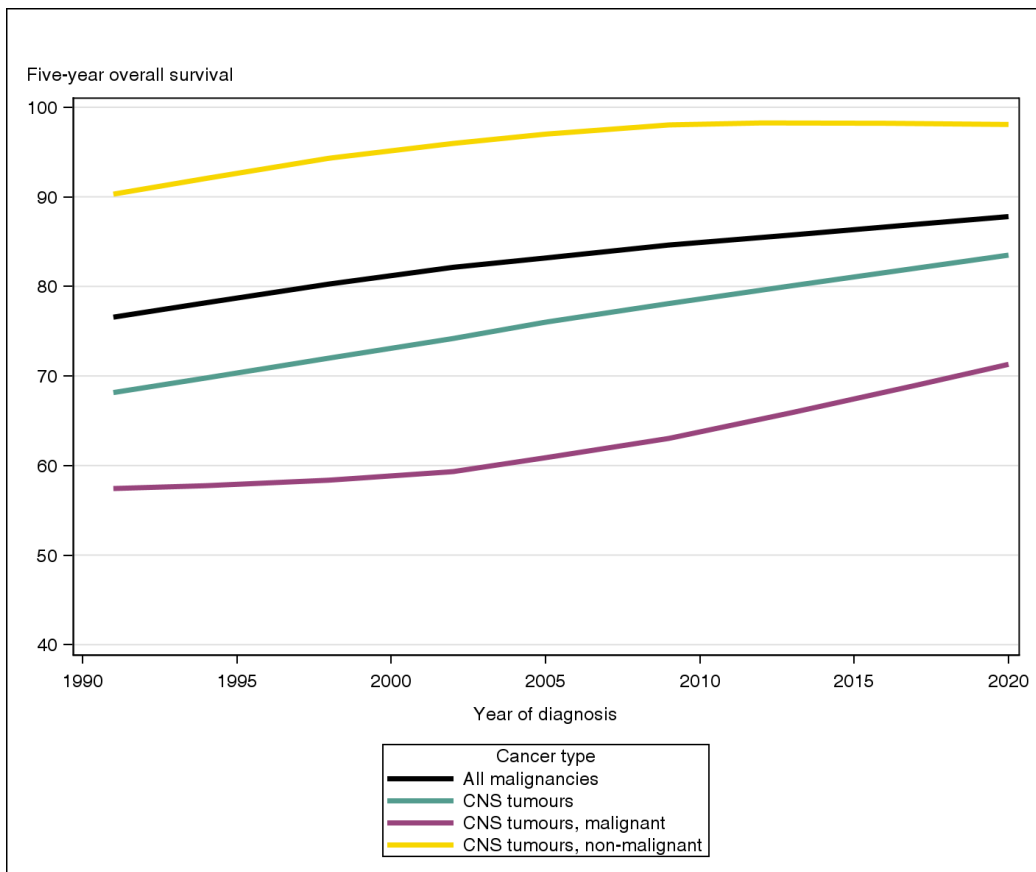
	Year of diagnosis	Survival probabilities (%)	
		5-year	10-year
All cancer diagnoses	1991-2000	79.0	76.6
	2001-2010	83.5	81.5
	2011-2020	86.6	84.3
Leukaemias	1991-2000	80.1	77.9
	2001-2010	87.1	85.8
	2011-2020	89.7	88.5
Lymphoid leukaemias	1991-2000	86.2	83.7
	2001-2010	90.9	89.7
	2011-2020	92.0	90.7
Acute myeloid leukaemias	1991-2000	54.8	53.7
	2001-2010	69.3	68.1
	2011-2020	78.5	76.9
Lymphomas	1991-2000	91.2	90.2
	2001-2010	93.4	92.5
	2011-2020	95.0	94.2
Hodgkin lymphomas	1991-2000	96.2	94.9
	2001-2010	98.5	97.6
	2011-2020	98.3	97.5
Non-Hodgkin lymphomas (incl. Burkitt lymphoma)	1991-2000	88.3	87.4
	2001-2010	89.2	88.2
	2011-2020	91.5	90.8
CNS tumours	1991-2000	70.4	66.3
	2001-2010	76.9	73.4
	2011-2020	81.2	77.7
CNS tumours, malignant	1991-2000	57.1	51.8
	2001-2010	61.8	56.9
	2011-2020	67.5	62.8
CNS tumours, non-malignant	1991-2000	93.7	91.7
	2001-2010	97.3	95.9
	2011-2020	98.4	96.6
Peripheral nervous cell tumours	1991-2000	73.0	70.4
	2001-2010	77.2	75.2
	2011-2020	81.0	76.7
Retinoblastoma	1991-2000	98.3	97.8
	2001-2010	97.8	97.6
	2011-2020	98.1	98.1
Renal tumours	1991-2000	89.2	88.6
	2001-2010	92.8	91.8
	2011-2020	92.8	91.7
Hepatic tumours	1991-2000	66.9	65.5
	2001-2010	70.9	67.9
	2011-2020	82.7	80.1
Bone tumours	1991-2000	70.1	66.5
	2001-2010	70.2	65.5
	2011-2020	73.0	68.4
Soft tissue sarcomas	1991-2000	68.2	65.4
	2001-2010	70.0	67.3
	2011-2020	73.1	68.1
Germ cell tumours	1991-2000	91.5	90.6
	2001-2010	94.3	93.4
	2011-2020	94.8	93.9
Carcinomas	1991-2000	81.5	77.6
	2001-2010	87.8	84.1
	2011-2020	92.4	91.1

^aUsing the Kaplan-Meier estimator

^bDefined according to the International Classification of Childhood Cancer-third edition (ICCC-3)

Figure 3: Five-year overall survival among children aged 0–17 years with cancer, by cancer type^a





^aTo summarise the temporal development graphically, a locally estimated scatterplot smoothing (LOESS) with linear interpolation was applied to the five-year overall survival estimates by calendar year