

- (a) Lymphoid leukaemias
- (b) Acute myeloid leukaemias
- (c) Chronic myeloproliferative diseases

- (d) Myelodysplastic syndrome and other myeloproliferative disease
- (e) Unspecified and other specified leukaemias

Cases in Germany aged under 15 years (1980-2008): 15537

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency: 6201 / 18195 = 34.1 %

Relative frequency of trial patients: 99.2 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	2791	3410	6201
Standardized rate *:	51.4	58.8	55.2
Cumulative incidence:	729	842	787
Sex ratio (m/f):	1.2		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	306	2816	1705	1374
Incidence rate:	42.6	93.8	42.6	31.2

Median age at diagnosis: 5 years 0 months

Survival probabilities:	5-year	10-year	15-year
	86 %	83 %	82 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
1321	33.2 %	11.0	160

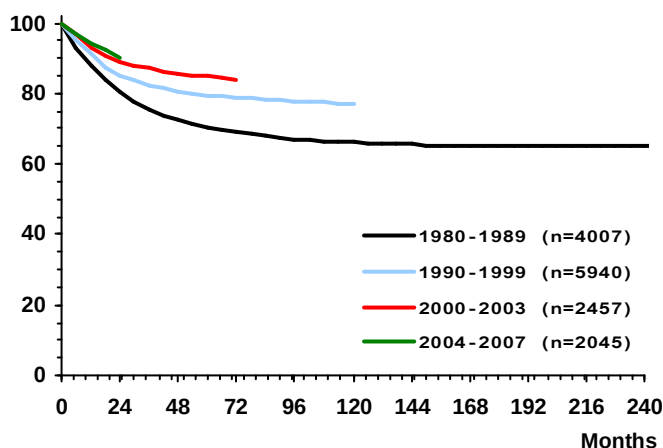
Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

I Leukaemias, myeloproliferative and myelodysplastic diseases

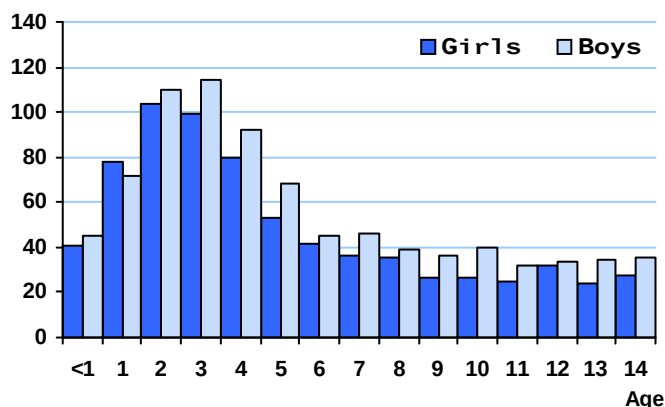
SN after I			I as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
246	38.0 %	3.0 %	196	30.3 %	0.7 %

* Standard: Segi world standard population

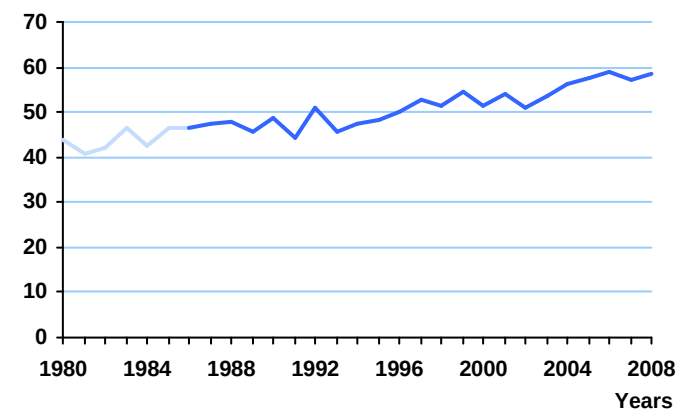
Survival probabilities by year of diagnosis (Germany 1980-2007)



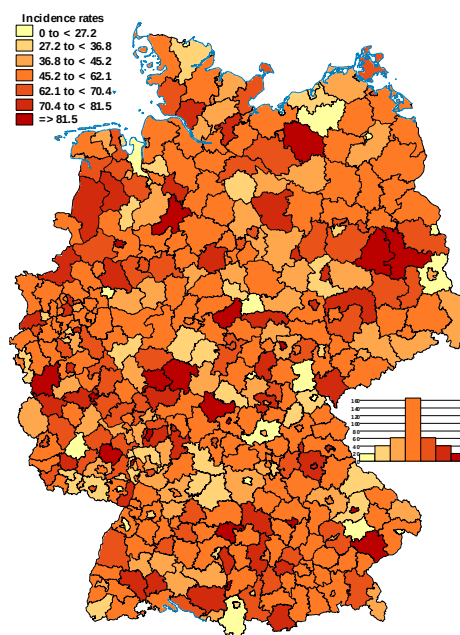
Age- and sex-specific incidence rates per million (Germany 1999-2008)



Standardized* annual incidence rates per million (Germany 1980-2008)



Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)



Cases in Germany aged under 15 years (1980-2008): 12436

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 4858 / 18195 = 26.7 %**Relative frequency of trial patients:** 99.7 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	2172	2686	4858
Standardized rate *:	40.3	46.6	43.6
Cumulative incidence:	569	665	618
Sex ratio (m/f):	1.2		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	122	2419	1385	932
Incidence rate:	17.0	80.6	34.6	21.2

Median age at diagnosis: 4 years 9 months

Survival probabilities:	5-year	10-year	15-year
	90 %	87 %	86 %

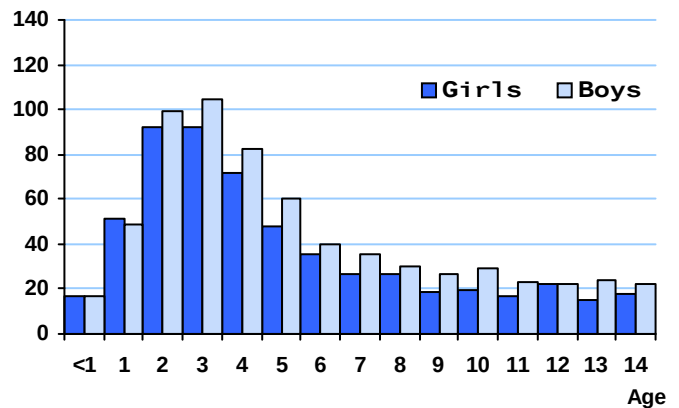
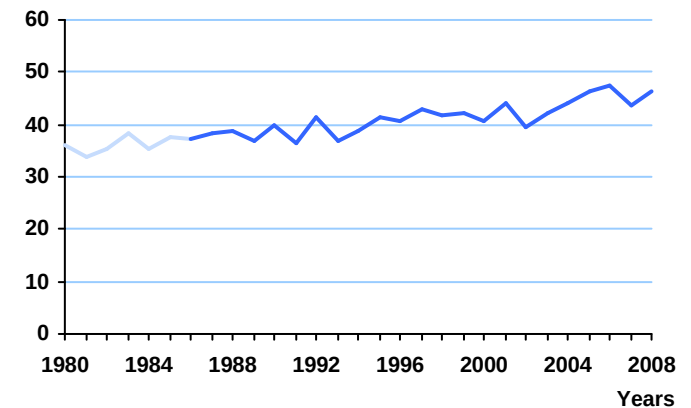
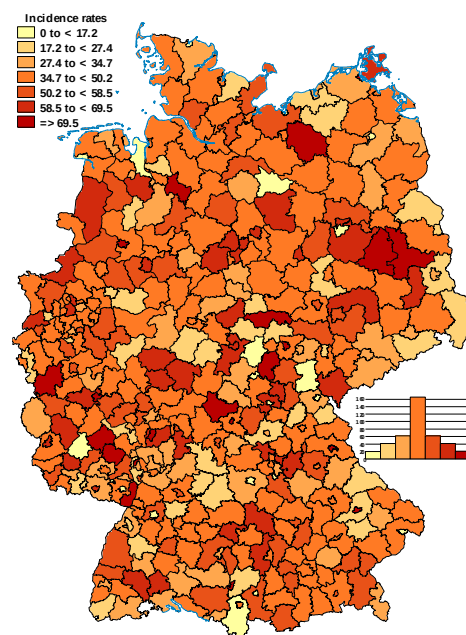
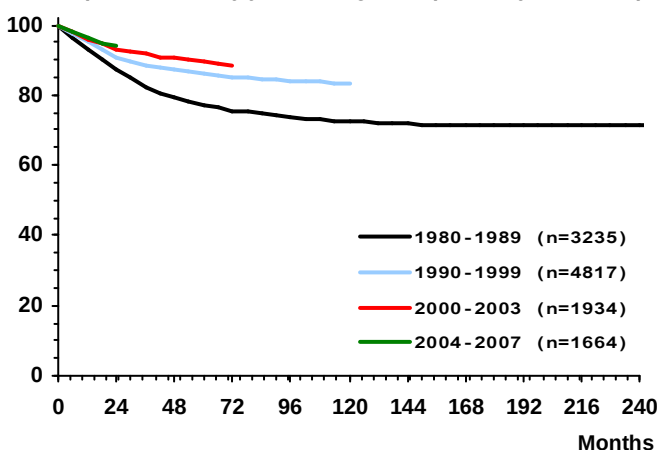
Mortality per million within 10 yrs. of diagnosis (1989-1998):

Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
794	20.0 %	6.6	96

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):**I (a) Lymphoid leukaemias**

SN after I (a)			I (a) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
210	32.5 %	3.1 %	34	5.3 %	0.1 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

Germany (1999-2008)	N	%
Lymphoid leukaemias	4858	100.0
Precursor cell leukaemias	4733	97.4
Mature B-cell leukaemias	124	2.6
Mature T-cell and NK cell leukaemias	1	0.0
Lymphoid leukaemia, NOS	0	0.0

1 Precursor cell leukaemias

Cases in Germany aged under 15 years (1980-2008): 12138

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency:	4733 / 18195 = 26.0 %		
Relative frequency of trial patients:	99.8 %		
Incidence rates per million:	Girls	Boys	Total
Number of cases:	2141	2592	4733
Standardized rate *:	39.8	45.2	42.5
Cumulative incidence:	561	642	603
Sex ratio (m/f):	1.2		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases:	119	2394	1332	888
Incidence rate:	16.6	79.7	33.3	20.2

Median age at diagnosis: 4 years 8 months

* Standard: Segi world standard population

2 Mature B-cell leukaemias

Cases in Germany aged under 15 years (1980-2008): 297

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency:	124 / 18195 = 0.7 %		
Relative frequency of trial patients:	97.6 %		
Incidence rates per million:	Girls	Boys	Total
Number of cases:	30	94	124
Standardized rate *:	0.5	1.5	1.0
Cumulative incidence:	8	22	15
Sex ratio (m/f):	3.1		

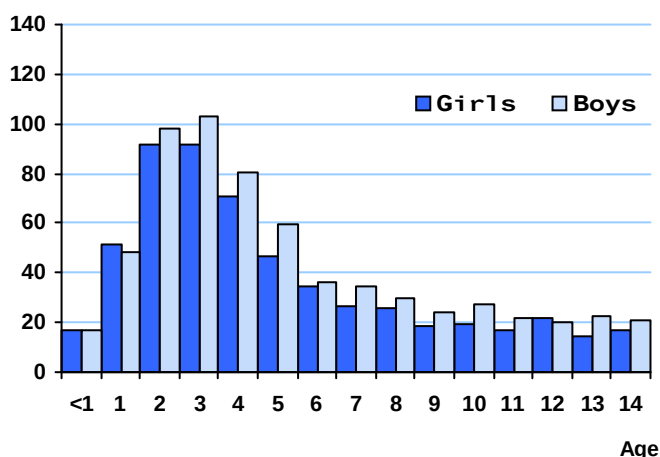
Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases:	3	25	53	43
Incidence rate:	0.4	0.8	1.3	1.0

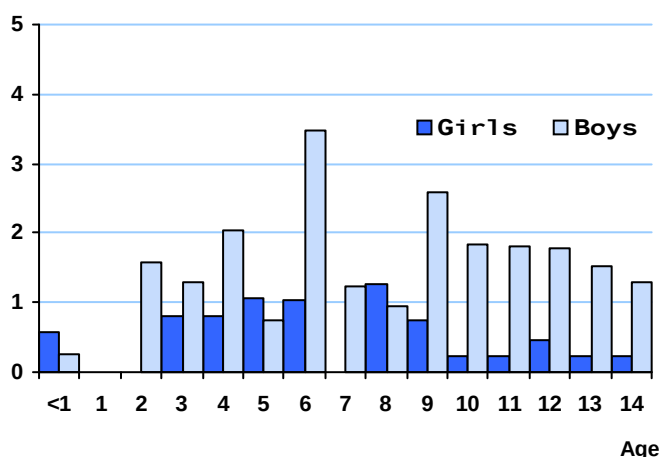
Median age at diagnosis: 8 years 2 months

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)



Age- and sex-specific incidence rates per million (Germany 1999-2008)



Cases in Germany aged under 15 years (1980-2008): 2228

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 839 / 18195 = 4.6 %**Relative frequency of trial patients:** 98.0 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	397	442	839
Standardized rate *:	7.3	7.5	7.4
Cumulative incidence:	103	108	106
Sex ratio (m/f):	1.1		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	128	271	181	259
Incidence rate:	17.8	9.0	4.5	5.9

Median age at diagnosis: 5 years 9 months

Survival probabilities:	5-year	10-year	15-year
	66 %	64 %	63 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

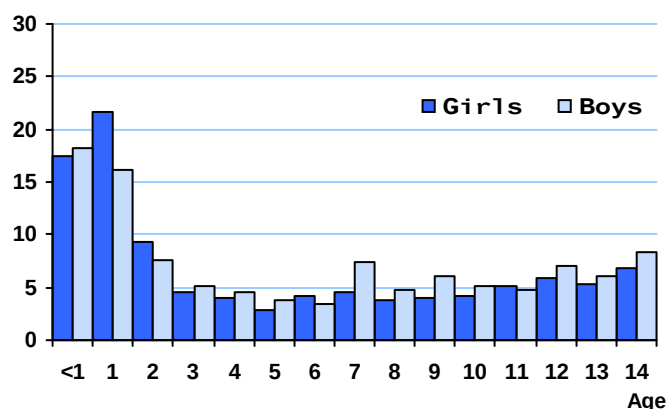
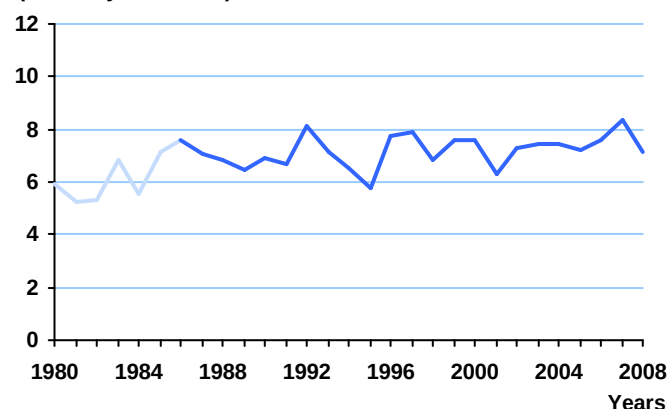
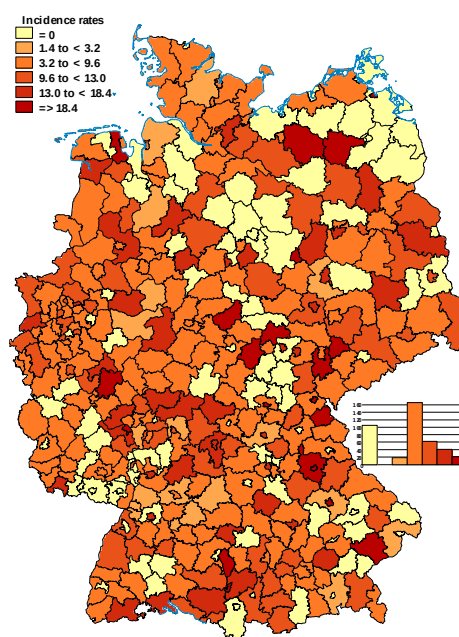
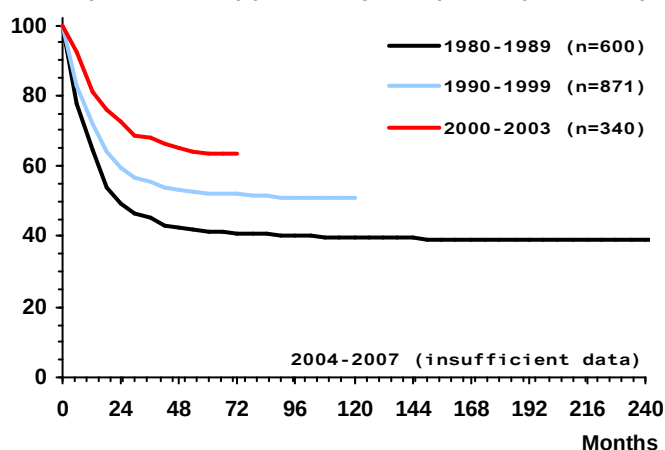
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
411	10.3 %	3.4	50

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

I (b) Acute myeloid leukaemias

SN after I (b)			I (b) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
24	3.7 %	2.5 %	117	18.1 %	0.4 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

Cases in Germany aged under 15 years (1980-2008): 208

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 82 / 18195 = 0.5 %**Relative frequency of trial patients:** 87.8 %**Incidence rates per million:**

	Girls	Boys	Total
Number of cases:	46	36	82
Standardized rate *:	0.7	0.5	0.6
Cumulative incidence:	11	8	10
Sex ratio (m/f):			0.8

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	1	7	29	45
Incidence rate:	0.1	0.2	0.7	1.0

Median age at diagnosis: 11 years 3 months

	5-year	10-year	15-year
Survival probabilities:	-	-	-

Mortality per million within 10 yrs. of diagnosis (1989-1998):

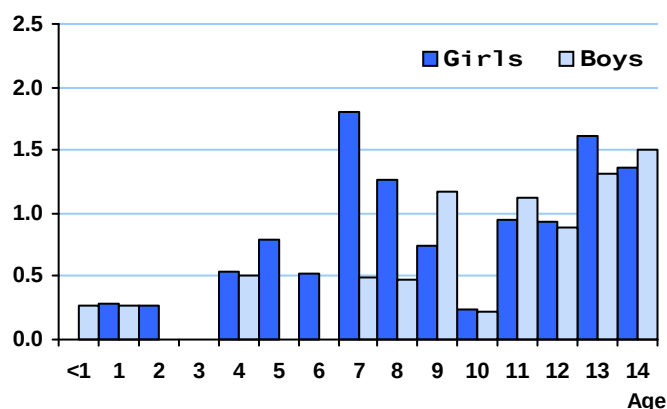
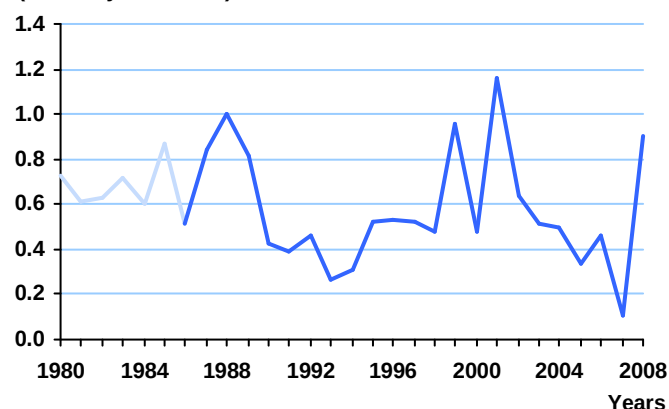
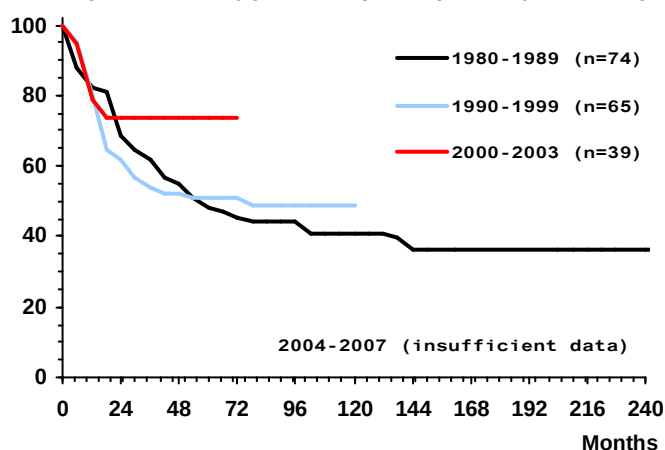
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
31	0.8 %	0.2	4

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

I (c) Chronic myeloproliferative diseases

SN after I (c)			I (c) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
1	0.2 %	0.5 %	1	0.2 %	0.0 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

No map due to sparse data

Cases in Germany aged under 15 years (1980-2008): 522

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 356 / 18195 = 2.0 %**Relative frequency of trial patients:** 98.3 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	148	208	356
Standardized rate *:	2.6	3.5	3.1
Cumulative incidence:	38	51	45
Sex ratio (m/f):	1.4		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	38	108	91	119
Incidence rate:	5.3	3.6	2.3	2.7

Median age at diagnosis: 7 years 1 month

Survival probabilities:	5-year	10-year	15-year
	75 %	75 %	-

Mortality per million within 10 yrs. of diagnosis (1989-1998):

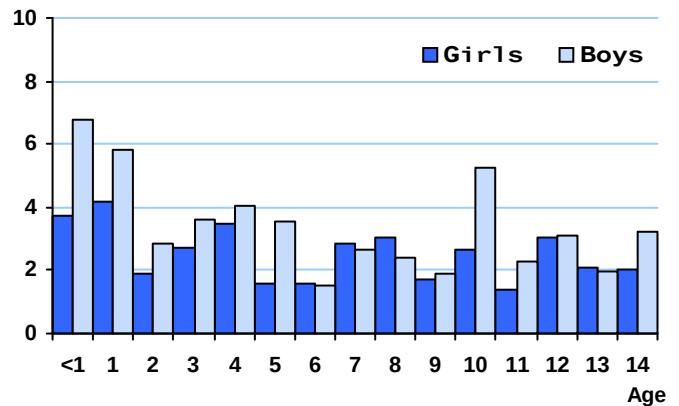
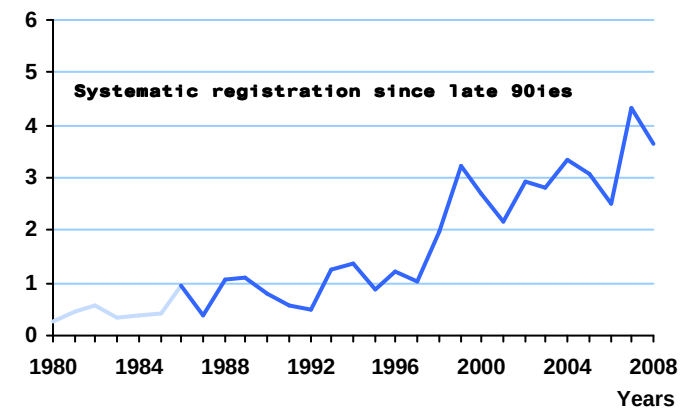
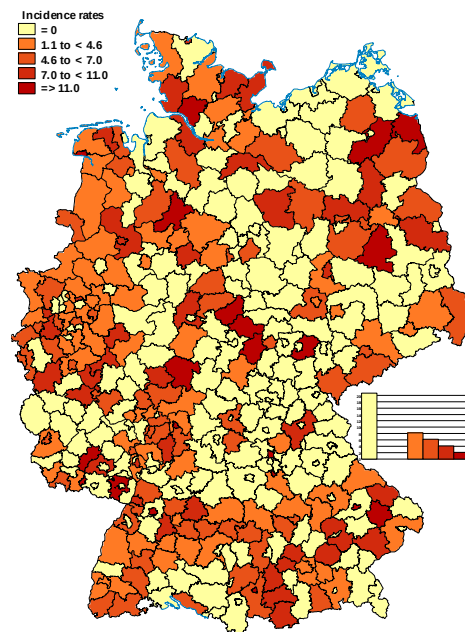
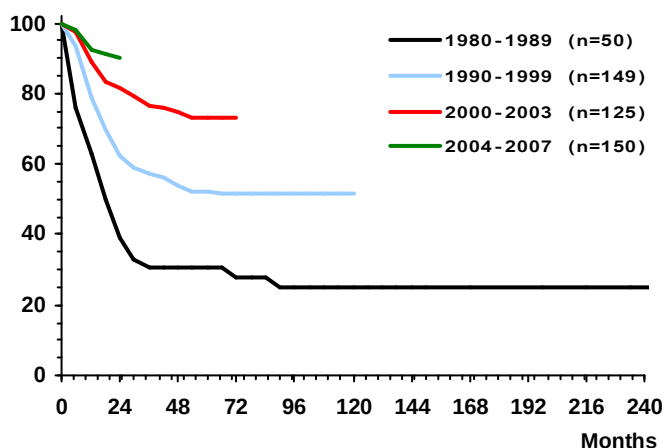
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
67	1.7 %	0.6	8

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

I (d) Myelodysplastic syndrome and other myeloproliferative diseases

SN after I (d)			I (d) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
5	0.8 %	9.2 %	43	6.6 %	0.1 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

- (a) Hodgkin lymphomas
- (b) Non-Hodgkin lymphomas (except Burkitt lymphoma)
- (c) Burkitt lymphoma

- (d) Miscellaneous lymphoreticular neoplasms
- (e) Unspecified lymphomas

Cases in Germany aged under 15 years (1980-2008): 5356

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency: 2079 / 18195 = 11.4 %

Relative frequency of trial patients: 96.8 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	702	1377	2079
Standardized rate *:	10.6	20.4	15.6
Cumulative incidence:	171	323	249
Sex ratio (m/f):	2.0		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	21	236	681	1141
Incidence rate:	2.9	7.9	17.0	25.9

Median age at diagnosis: 10 years 7 months

Survival probabilities:	5-year	10-year	15-year
	93 %	92 %	92 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

Number of deaths		Standardized*	Cumulative
N	% of all 3973 deaths	mortality rate	mortality
217	5.5 %	1.7	28

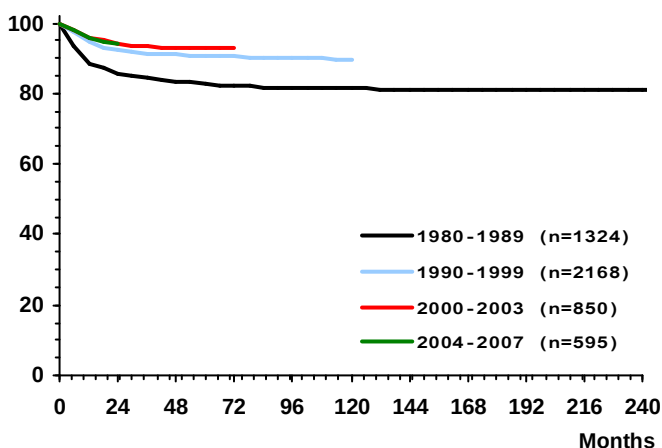
Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

II Lymphomas and reticuloendothelial neoplasms

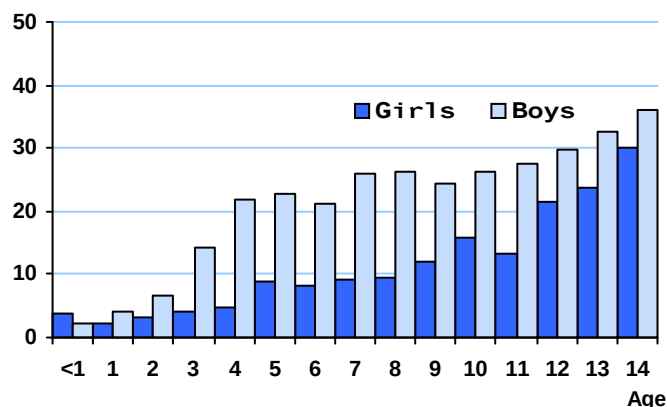
SN after II			II as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
104	16.1 %	5.0 %	71	11.0 %	0.3 %

* Standard: Segi world standard population

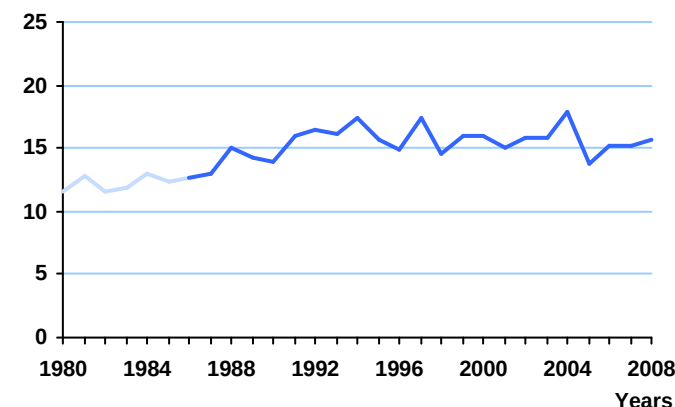
Survival probabilities by year of diagnosis (Germany 1980-2007)



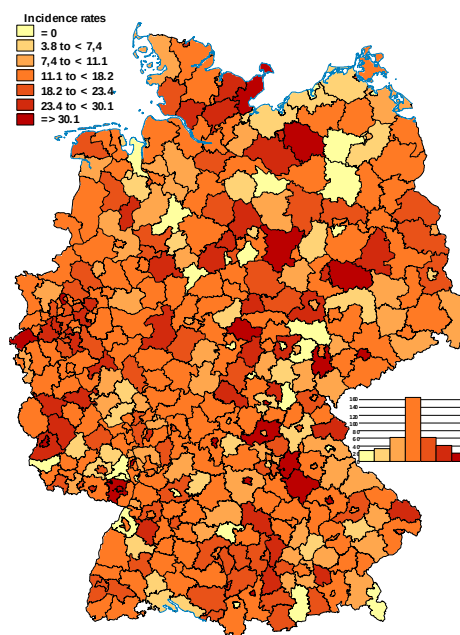
Age- and sex-specific incidence rates per million (Germany 1999-2008)



Standardized* annual incidence rates per million (Germany 1980-2008)



Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)



Cases in Germany aged under 15 years (1980-2008): 2194

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 878 / 18195 = 4.8 %**Relative frequency of trial patients:** 97.6 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	363	515	878
Standardized rate *:	5.1	7.2	6.2
Cumulative incidence:	86	118	103
Sex ratio (m/f):	1.4		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	0	33	198	647
Incidence rate:	0.0	1.1	4.9	14.7

Median age at diagnosis: 12 years 6 months

Survival probabilities:	5-year	10-year	15-year
	98 %	97 %	96 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

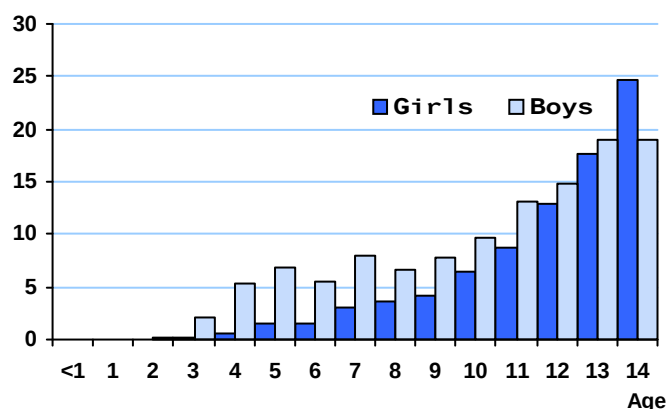
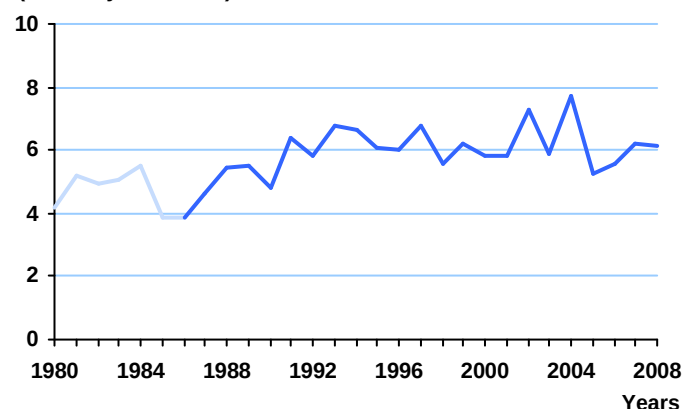
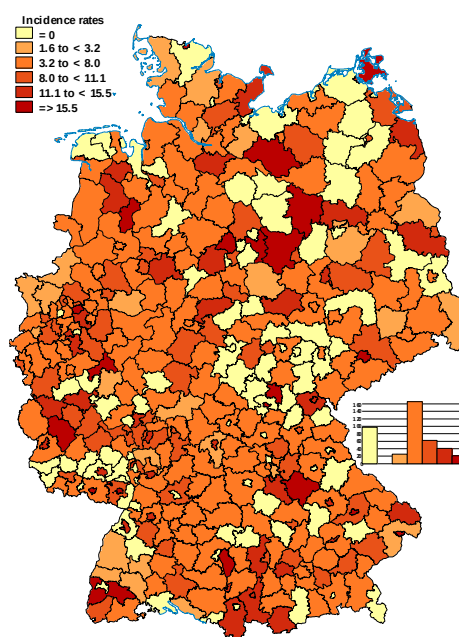
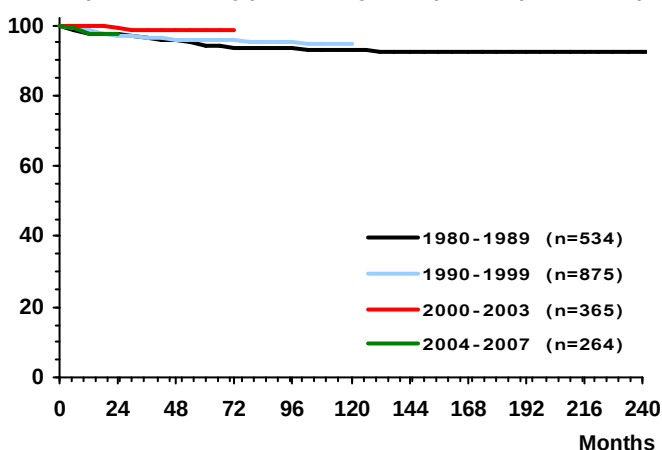
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
46	1.2 %	0.3	6

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

II (a) Hodgkin lymphomas

SN after II (a)			II (a) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
51	7.9 %	7.6 %	15	2.3 %	0.1 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

Cases in Germany aged under 15 years (1980-2008): 2085

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency: 796 / 18195 = 4.4 %

Relative frequency of trial patients: 95.2 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	264	532	796
Standardized rate *:	4.2	8.1	6.2
Cumulative incidence:	66	126	97
Sex ratio (m/f):	2.0		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	13	123	302	358
Incidence rate:	1.8	4.1	7.5	8.1

Median age at diagnosis: 9 years 4 months

Survival probabilities:	5-year	10-year	15-year
	89 %	88 %	86 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
112	2.8 %	0.9	13

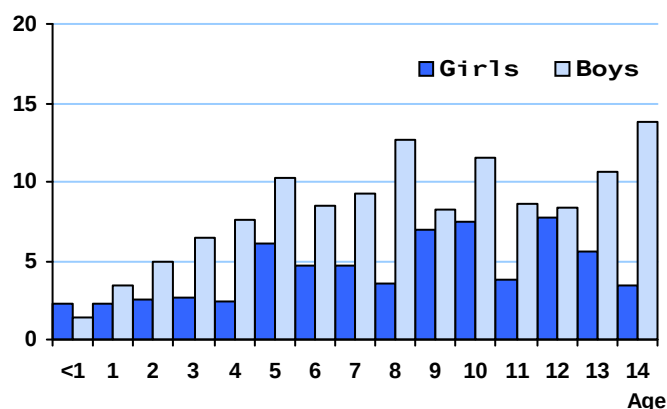
Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

II (b) Non-Hodgkin lymphomas

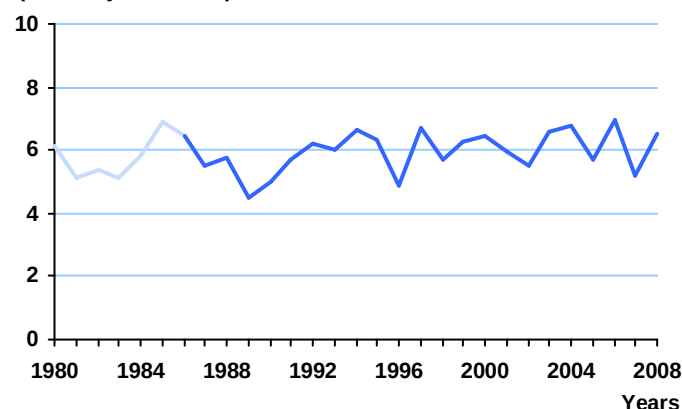
SN after II (b)			II (b) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
39	6.0 %	3.3 %	47	7.3 %	0.2 %

* Standard: Segi world standard population

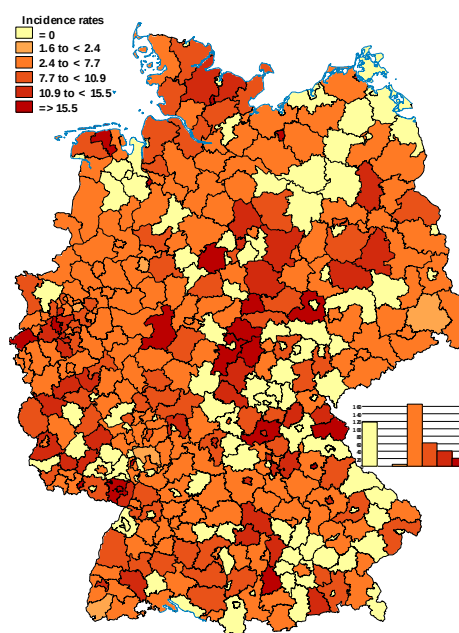
Age- and sex-specific incidence rates per million (Germany 1999-2008)



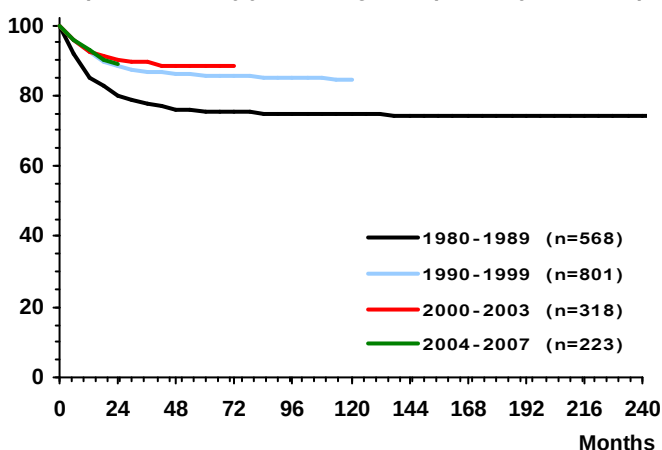
Standardized* annual incidence rates per million (Germany 1980-2008)



Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)



Survival probabilities by year of diagnosis (Germany 1980-2007)



Germany (1999-2008)	N	%
Non-Hodgkin lymphomas	796	100.0
Precursor cell lymphomas	360	45.2
Mature B-cell lymphomas (except Burkitt lymphoma)	161	20.2
Mature T-cell and NK-cell lymphomas	162	20.4
Non-Hodgkin lymphomas, NOS	113	14.2

1 Precursor cell lymphomas

Cases in Germany aged under 15 years (1980-2008): 849

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency:	360 / 18195 = 2.0 %		
Relative frequency of trial patients:	96.9 %		
Incidence rates per million:	Girls	Boys	Total
Number of cases:	128	232	360
Standardized rate *:	2.1	3.6	2.9
Cumulative incidence:	33	55	44
Sex ratio (m/f):	1.8		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases:	9	72	152	127
Incidence rate:	1.3	2.4	3.8	2.9

Median age at diagnosis: 8 years 2 months

* Standard: Segi world standard population

2 Mature B-cell lymphomas (except Burkitt lymphoma)

Cases in Germany aged under 15 years (1980-2008): 318

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency:	161 / 18195 = 0.9 %		
Relative frequency of trial patients:	97.5 %		
Incidence rates per million:	Girls	Boys	Total
Number of cases:	52	109	161
Standardized rate *:	0.8	1.6	1.2
Cumulative incidence:	13	25	19
Sex ratio (m/f):	2.1		

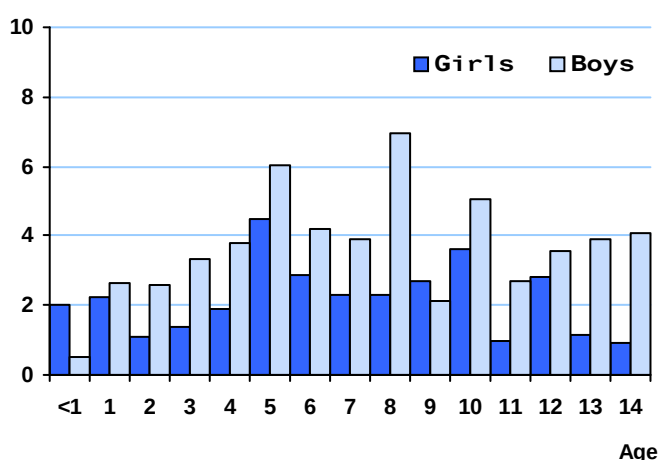
Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases:	0	15	51	95
Incidence rate:	0.0	0.5	1.3	2.2

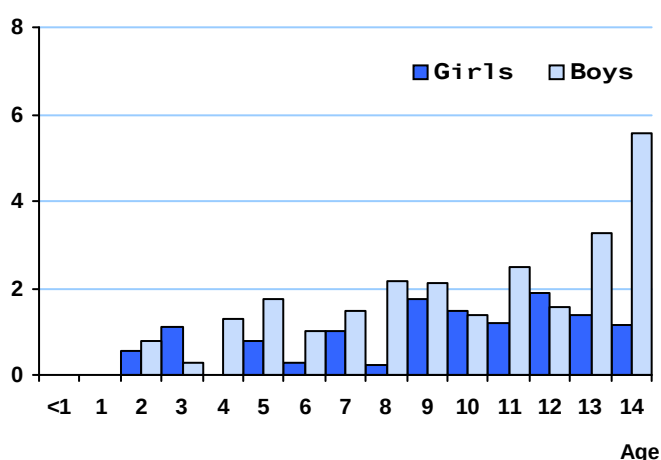
Median age at diagnosis: 11 years 1 month

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)



Age- and sex-specific incidence rates per million (Germany 1999-2008)



Germany (1999-2008)	N	%
Non-Hodgkin lymphomas	796	100.0
Precursor cell lymphomas	360	45.2
Mature B-cell lymphomas (except Burkitt lymphoma)	161	20.2
Mature T-cell and NK-cell lymphomas	162	20.4
Non-Hodgkin lymphomas, NOS	113	14.2

3 Mature T-cell and NK-cell lymphomas

Cases in Germany aged under 15 years (1980-2008): 361

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency:	162 / 18195 = 0.9 %		
Relative frequency of trial patients:	95.1 %		
Incidence rates per million:	Girls	Boys	Total
Number of cases:	51	111	162
Standardized rate *:	0.8	1.7	1.2
Cumulative incidence:	12	26	20
Sex ratio (m/f):	2.2		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases:	3	22	56	81
Incidence rate:	0.4	0.7	1.4	1.8
Median age at diagnosis:	9 years 12 months			

* Standard: Segi world standard population

4 Non-Hodgkin lymphomas, NOS

Cases in Germany aged under 15 years (1980-2008): 557

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

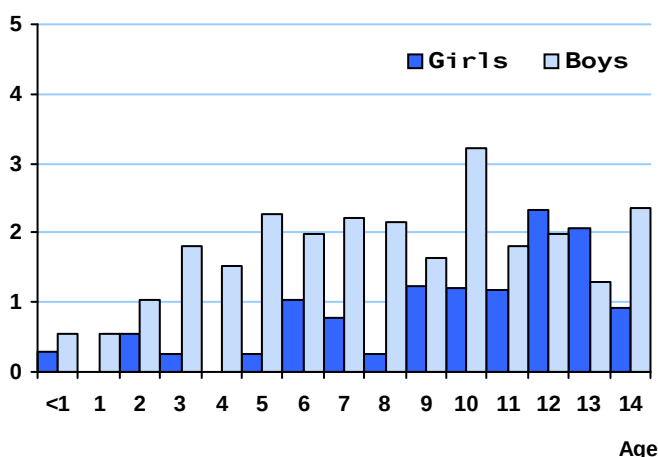
Relative frequency:	113 / 18195 = 0.6 %		
Relative frequency of trial patients:	86.7 %		
Incidence rates per million:	Girls	Boys	Total
Number of cases:	33	80	113
Standardized rate *:	0.5	1.2	0.9
Cumulative incidence:	8	19	14
Sex ratio (m/f):	2.4		

Age-specific incidence rates per million:

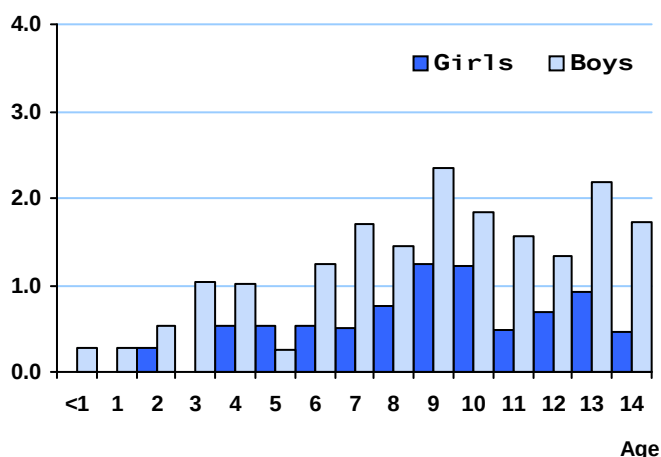
	<1	1-4	5-9	10-14
Number of cases:	1	14	43	55
Incidence rate:	0.1	0.5	1.1	1.3
Median age at diagnosis:	9 years 11 months			

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)



Age- and sex-specific incidence rates per million (Germany 1999-2008)



Cases in Germany aged under 15 years (1980-2008): 958

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency: 390 / 18195 = 2.1 %

Relative frequency of trial patients: 98.7 %

Incidence rates per million:

	Girls	Boys	Total
Number of cases:	68	322	390
Standardized rate *:	1.1	5.0	3.1
Cumulative incidence:	17	77	48
Sex ratio (m/f):	4.7		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	1	76	180	133
Incidence rate:	0.1	2.5	4.5	3.0

Median age at diagnosis: 8 years 3 months

Survival probabilities:

5-year	10-year	15-year
94 %	94 %	93 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
39	1.0 %	0.3	5

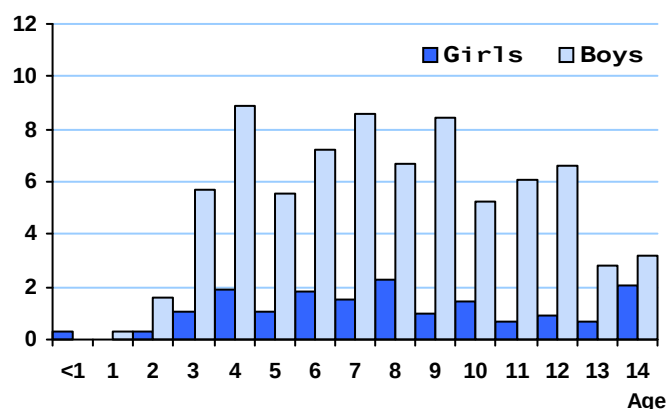
Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

II (c) Burkitt lymphoma

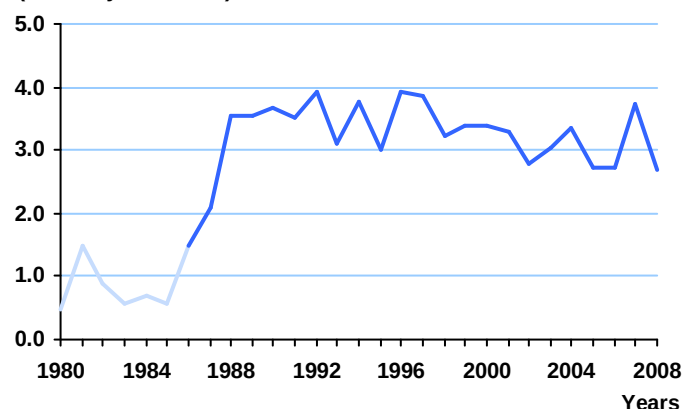
SN after II (c)			II (c) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
14	2.2 %	2.5 %	3	0.5 %	0.0 %

* Standard: Segi world standard population

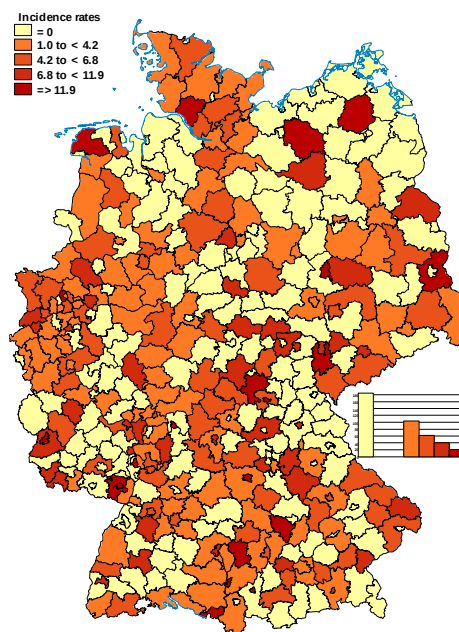
Age- and sex-specific incidence rates per million (Germany 1999-2008)



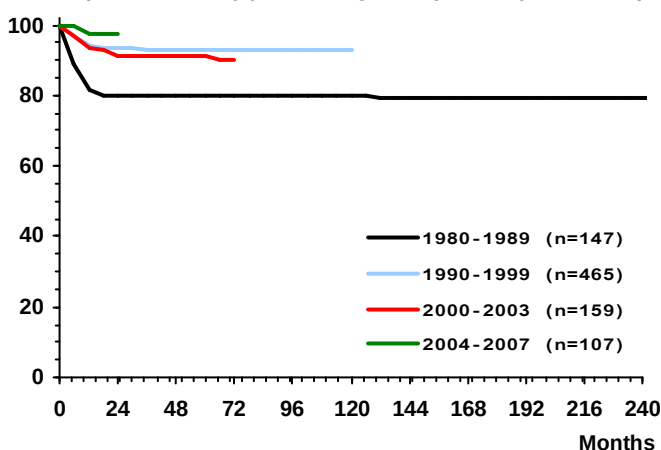
Standardized* annual incidence rates per million (Germany 1980-2008)



Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)



Survival probabilities by year of diagnosis (Germany 1980-2007)



- (a) Ependymomas and choroid plexus tumour
- (b) Astrocytomas
- (c) Intracranial and intraspinal embryonal tumours

- (d) Other gliomas
- (e) Other specified intracranial and intraspinal neoplasms
- (f) Unspecified intracranial and intraspinal neoplasms

Cases in Germany aged under 15 years (1980-2008): 9317

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency:	4171 / 18195 = 22.9 %		
Relative frequency of trial patients:	86.3 %		
Incidence rates per million:	Girls	Boys	Total
Number of cases:	1885	2286	4171
Standardized rate *:	32.8	37.8	35.3
Cumulative incidence:	484	557	521
Sex ratio (m/f):	1.2		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	301	1206	1412	1252
Incidence rate:	41.9	40.2	35.3	28.5

Median age at diagnosis: 7 years 0 months

Survival probabilities:	5-year	10-year	15-year
	75 %	70 %	67 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

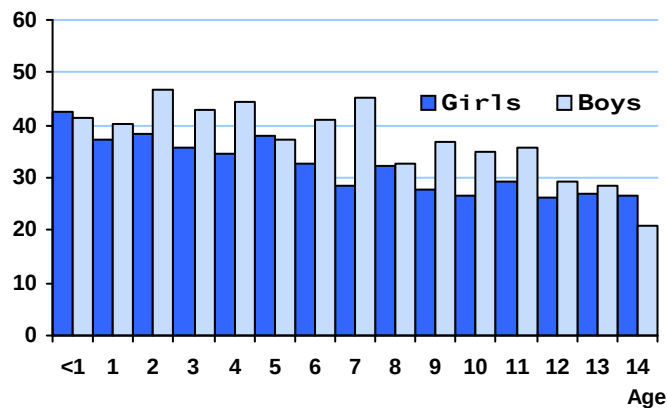
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
1075	27.1 %	8.9	132

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008): III CNS and miscellaneous intracranial and intraspinal neoplasms

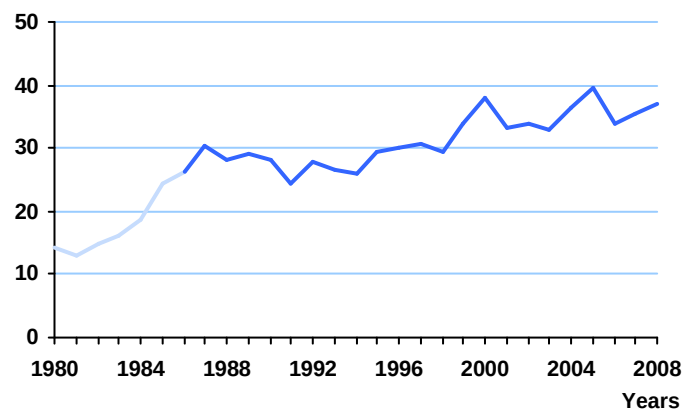
SN after III			III as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
108	16.7 %	3.1 %	143	22.1 %	0.7 %

* Standard: Segi world standard population

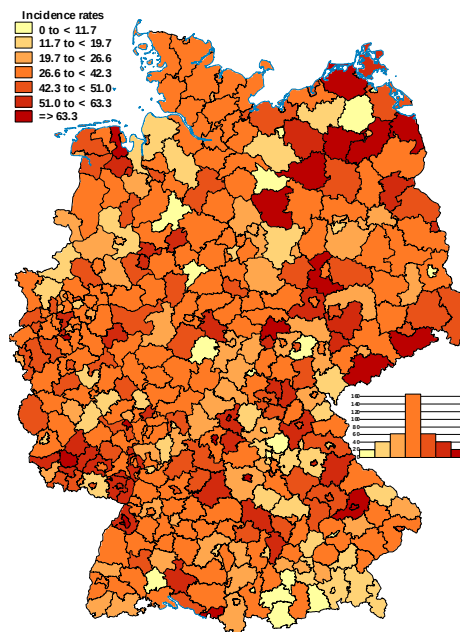
Age- and sex-specific incidence rates per million (Germany 1999-2008)



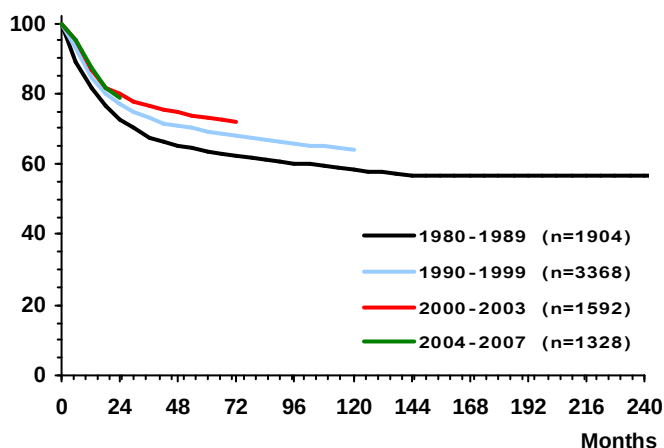
Standardized* annual incidence rates per million (Germany 1980-2008)



Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)



Survival probabilities by year of diagnosis (Germany 1980-2007)



Cases in Germany aged under 15 years (1980-2008): 945

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 412 / 18195 = 2.3 %**Relative frequency of trial patients:** 87.1 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	178	234	412
Standardized rate *:	3.4	4.1	3.8
Cumulative incidence:	47	58	53
Sex ratio (m/f):	1.3		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	60	181	70	101
Incidence rate:	8.4	6.0	1.7	2.3

Median age at diagnosis: 4 years 0 months

Survival probabilities:	5-year	10-year	15-year
	77 %	68 %	66 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

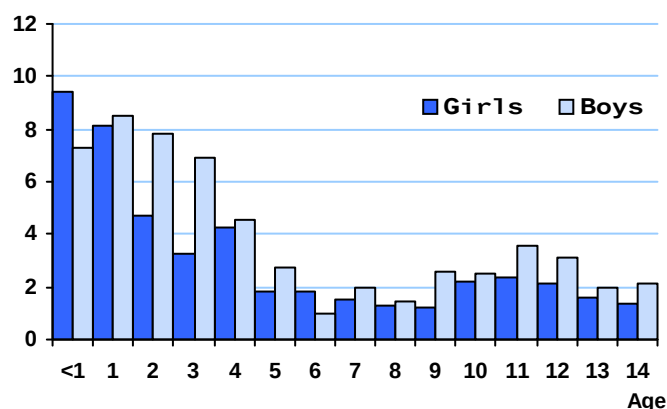
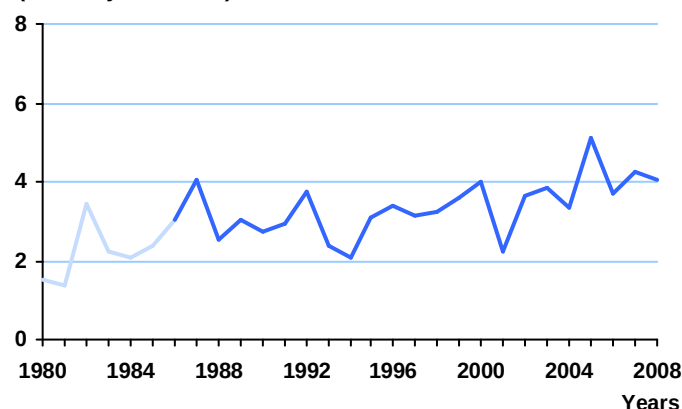
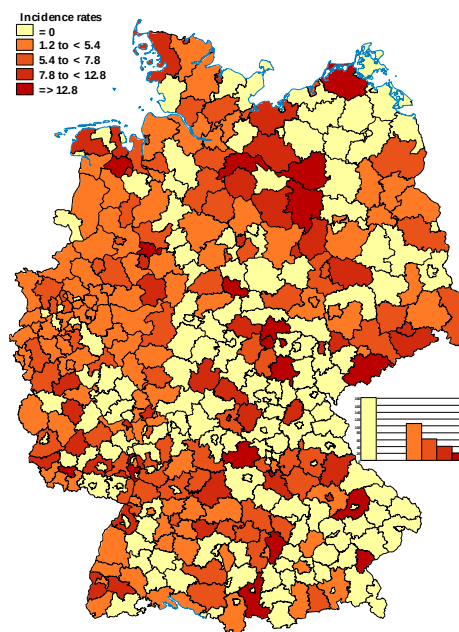
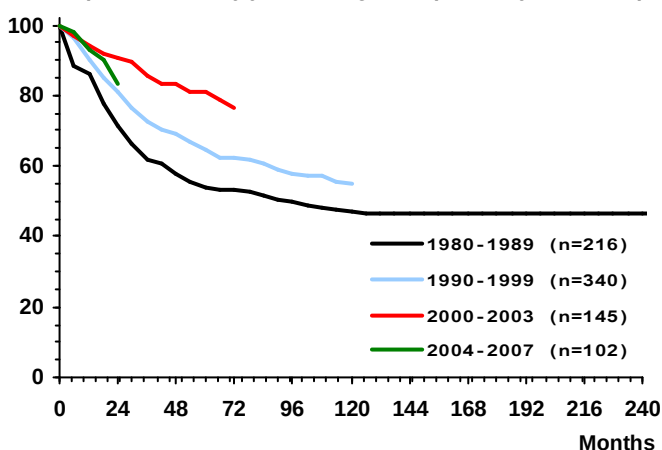
Number of deaths	Standardized* mortality rate	Cumulative mortality
N % of all 3973 deaths		
133 3.3 %	1.2	16

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

III (a) Ependymomas and choroid plexus tumour

SN after III (a)			III (a) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
14	2.2 %	3.5 %	5	0.8 %	0.0 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

Germany (1999-2008)	N	%
Ependymomas and choroid plexus tumour	412	100.0
Ependymomas	324	78.6
Choroid plexus tumour	88	21.4

1 Ependymomas

Cases in Germany aged under 15 years (1980-2008): 765

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency:	324 / 18195 = 1.8 %		
Relative frequency of trial patients:	90.4 %		
Incidence rates per million:	Girls	Boys	Total
Number of cases:	136	188	324
Standardized rate *:	2.5	3.3	2.9
Cumulative incidence:	35	46	41
Sex ratio (m/f):	1.4		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases:	23	152	63	86
Incidence rate:	3.2	5.1	1.6	2.0

Median age at diagnosis: 4 years 5 months

* Standard: Segi world standard population

2 Choroid plexus tumour

Cases in Germany aged under 15 years (1980-2008): 180

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency:	88 / 18195 = 0.5 %		
Relative frequency of trial patients:	75.0 %		
Incidence rates per million:	Girls	Boys	Total
Number of cases:	42	46	88
Standardized rate *:	0.9	0.9	0.9
Cumulative incidence:	12	12	12
Sex ratio (m/f):	1.1		

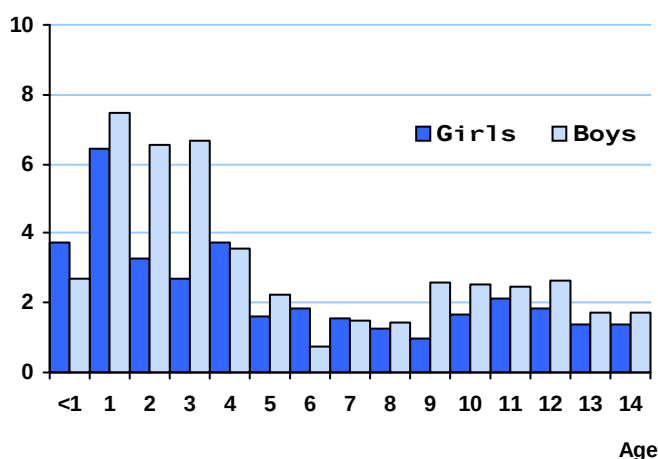
Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases:	37	29	7	15
Incidence rate:	5.2	1.0	0.2	0.3

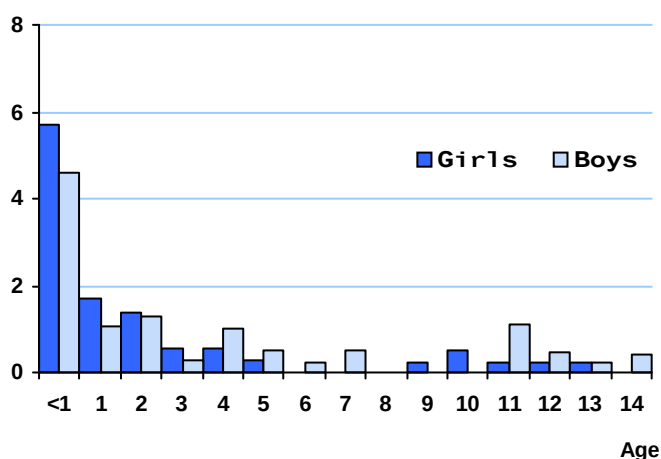
Median age at diagnosis: 1 year 9 months

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)



Age- and sex-specific incidence rates per million (Germany 1999-2008)



Cases in Germany aged under 15 years (1980-2008): 4000

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 1929 / 18195 = 10.6 %**Relative frequency of trial patients:** 87.5 %**Incidence rates per million:**

	Girls	Boys	Total
Number of cases:	922	1007	1929
Standardized rate *:	15.9	16.3	16.1
Cumulative incidence:	236	244	240
Sex ratio (m/f):			1.1

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	97	527	696	609
Incidence rate:	13.5	17.6	17.4	13.8

Median age at diagnosis: 7 years 3 months

	5-year	10-year	15-year
Survival probabilities:	79 %	76 %	73 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

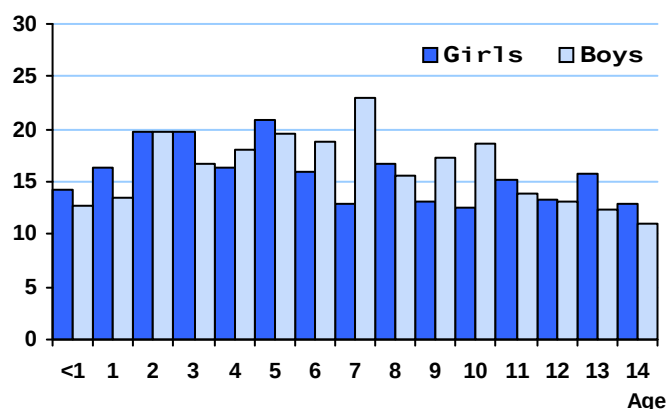
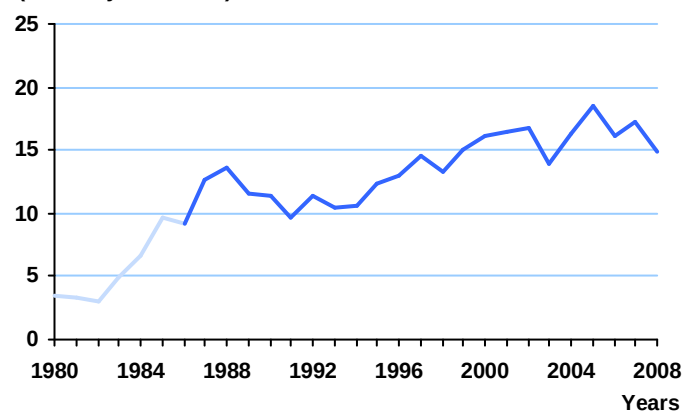
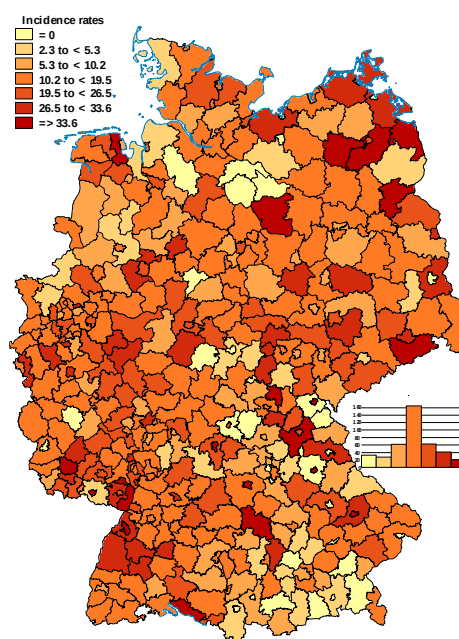
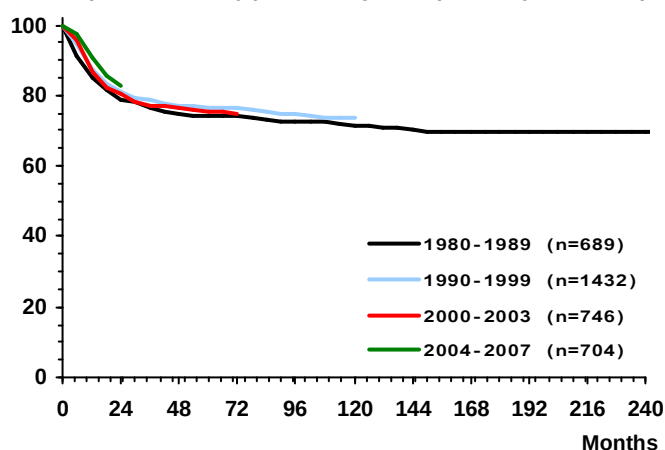
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
336	8.5 %	2.7	40

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

III (b) Astrocytomas

SN after III (b)			III (b) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
21	3.2 %	1.7 %	66	10.2 %	0.3 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

Cases in Germany aged under 15 years (1980-2008): 2222

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 901 / 18195 = 5.0 %**Relative frequency of trial patients:** 90.5 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	348	553	901
Standardized rate *:	6.3	9.5	8.0
Cumulative incidence:	91	137	114
Sex ratio (m/f):	1.6		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	93	305	328	175
Incidence rate:	13.0	10.2	8.2	4.0

Median age at diagnosis: 5 years 10 months

Survival probabilities:	5-year	10-year	15-year
	65 %	57 %	54 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

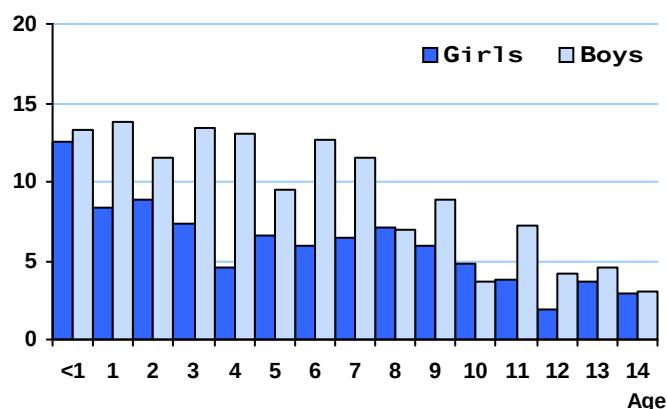
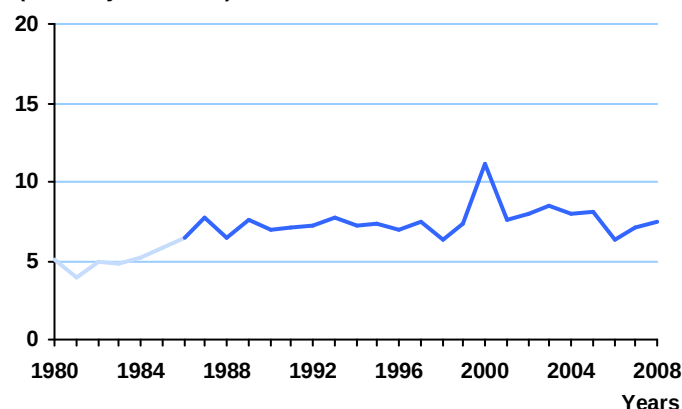
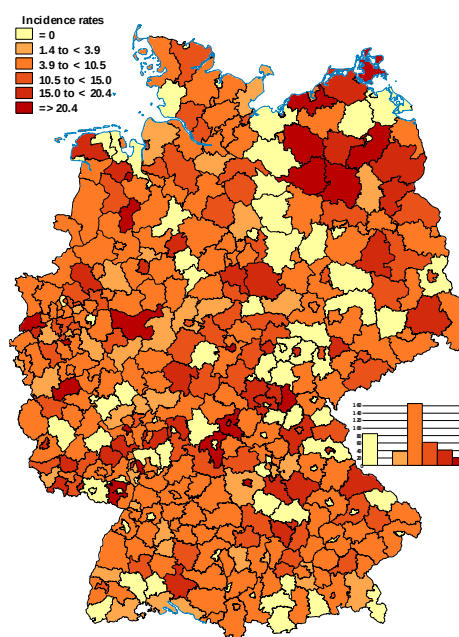
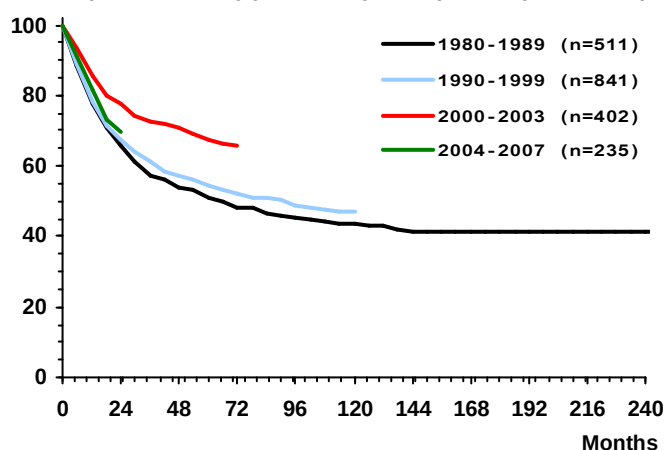
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
422	10.6 %	3.6	51

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

III (c) Intracranial and intraspinal embryonal tumours

SN after III (c)			III (c) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
60	9.3 %	6.0 %	13	2.0 %	0.1 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

Germany (1999-2008)	N	%
Intracranial and intraspinal embryonal tumours	901	100.0
Medulloblastomas	653	72.5
Primitive neuroectodermal tumour (PNET)	134	14.9
Medulloepithelioma	7	0.8
Atypical teratoid/rhabdoid tumour	107	11.9

1 Medulloblastomas

Cases in Germany aged under 15 years (1980-2008): 1720

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency:	653 / 18195 = 3.6 %		
Relative frequency of trial patients:	96.9 %		
Incidence rates per million:	Girls	Boys	Total
Number of cases:	249	404	653
Standardized rate *:	4.3	6.7	5.6
Cumulative incidence:	64	99	82
Sex ratio (m/f):	1.6		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases:	33	191	281	148
Incidence rate:	4.6	6.4	7.0	3.4

Median age at diagnosis: 6 years 9 months

* Standard: Segi world standard population

2 Primitive neuroectodermal tumour (PNET)

Cases in Germany aged under 15 years (1980-2008): 363

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency:	134 / 18195 = 0.7 %		
Relative frequency of trial patients:	85.8 %		
Incidence rates per million:	Girls	Boys	Total
Number of cases:	54	80	134
Standardized rate *:	1.0	1.4	1.2
Cumulative incidence:	14	20	17
Sex ratio (m/f):	1.5		

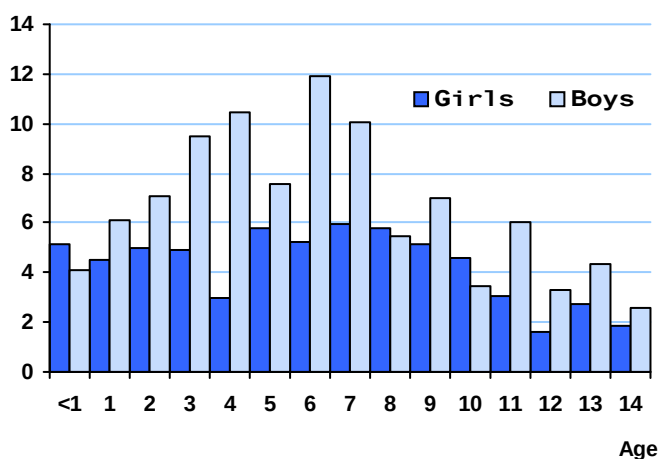
Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases:	13	66	33	22
Incidence rate:	1.8	2.2	0.8	0.5

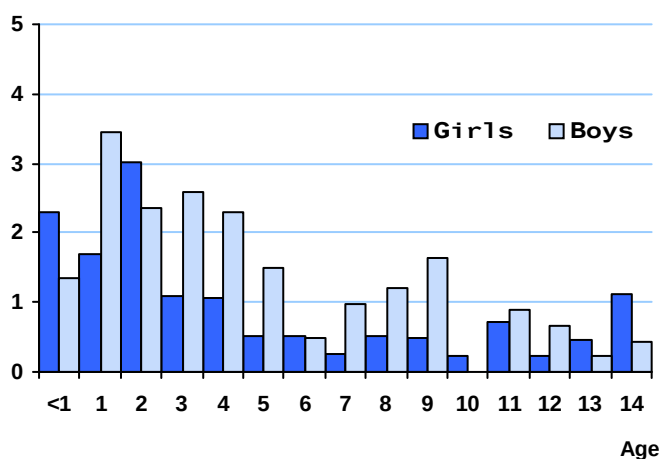
Median age at diagnosis: 4 years 1 month

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)



Age- and sex-specific incidence rates per million (Germany 1999-2008)



Germany (1999-2008)	N	%
Intracranial and intraspinal embryonal tumours	901	100.0
Medulloblastomas	653	72.5
Primitive neuroectodermal tumour (PNET)	134	14.9
Medulloepithelioma	7	0.8
Atypical teratoid/rhabdoid tumour	107	11.9

4 Atypical teratoid/rhabdoid tumour

Cases in Germany aged under 15 years (1980-2008): 124

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency: 107 / 18195 = 0.6 %

Relative frequency of trial patients: 56.1 %

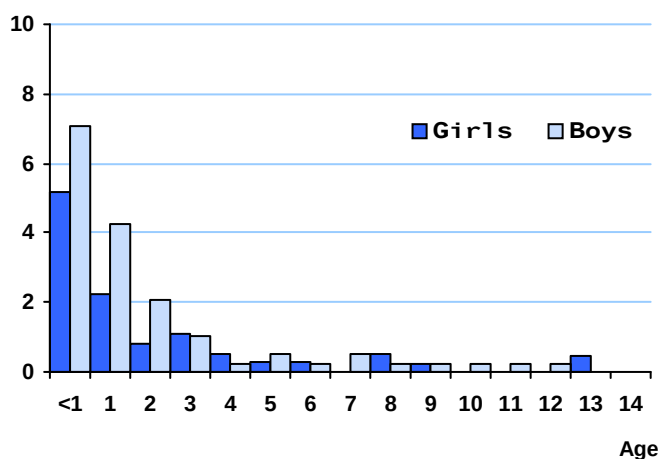
Incidence rates per million:	Girls	Boys	Total
Number of cases:	42	65	107
Standardized rate *:	0.9	1.3	1.1
Cumulative incidence:	12	17	14
Sex ratio (m/f):	1.5		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases:	44	46	12	5
Incidence rate:	6.1	1.5	0.3	0.1
Median age at diagnosis:	1 year 3 months			

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)



Cases in Germany aged under 15 years (1980-2008): 675

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 342 / 18195 = 1.9 %**Relative frequency of trial patients:** 81.6 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	171	171	342
Standardized rate *:	2.9	2.7	2.8
Cumulative incidence:	44	41	42
Sex ratio (m/f):	1.0		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	16	83	129	114
Incidence rate:	2.2	2.8	3.2	2.6

Median age at diagnosis: 7 years 9 months

Survival probabilities:	5-year	10-year	15-year
	43 %	42 %	42 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

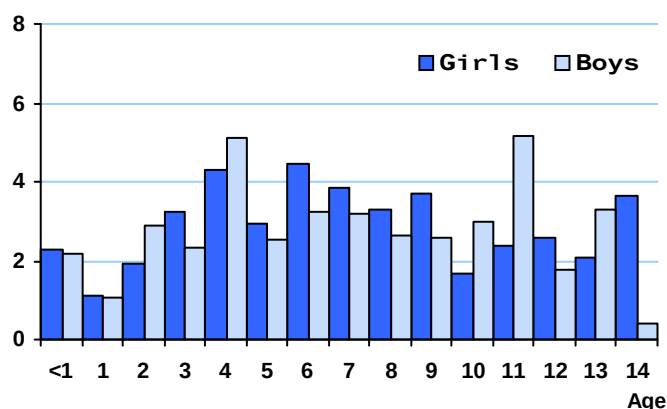
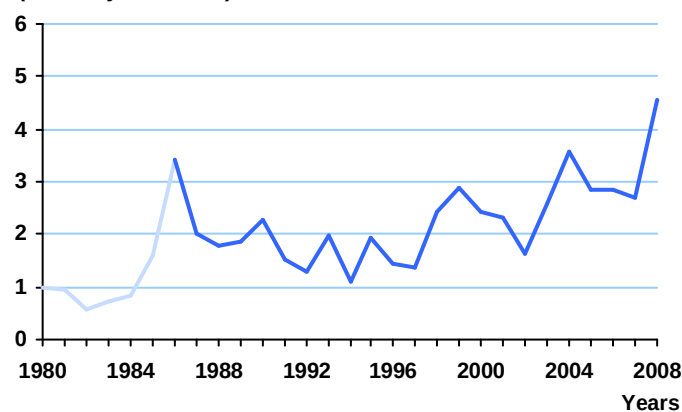
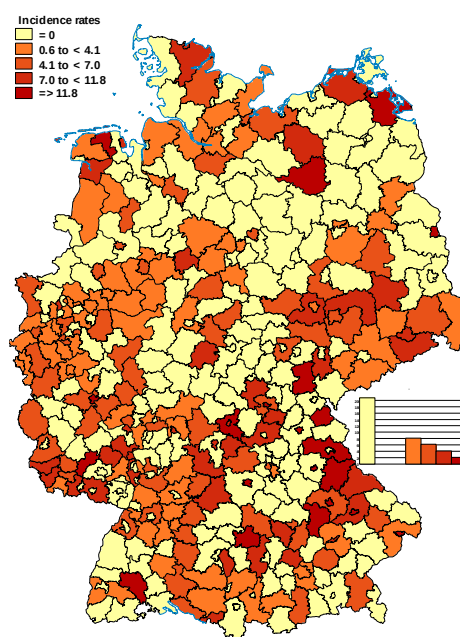
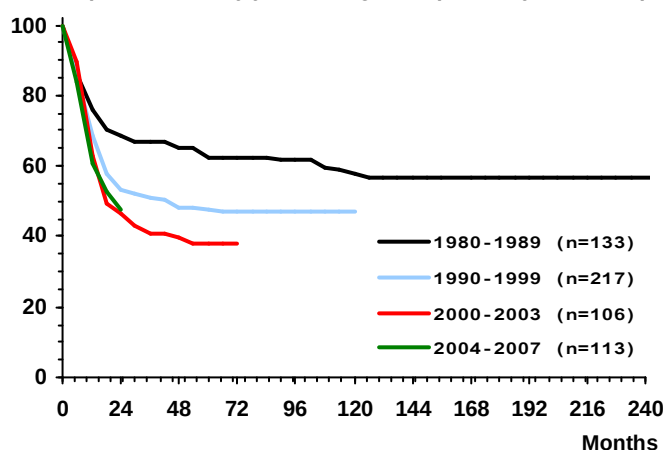
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
96	2.4 %	0.8	12

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

III (d) Other gliomas

SN after III (d)			III (d) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
6	0.9 %	1.7 %	17	2.6 %	0.1 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

Germany (1999-2008)	N	%
Other gliomas	342	100.0
Oligodendrogliomas	30	8.8
Mixed and unspecified gliomas	301	88.0
Neuroepithelial glial tumours of uncertain origin	11	3.2

1 Oligodendrogliomas

Cases in Germany aged under 15 years (1980-2008): 109

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency:	30 / 18195 = 0.2 %		
Relative frequency of trial patients:	63.3 %		
Incidence rates per million:	Girls	Boys	Total
Number of cases:	17	13	30
Standardized rate *:	0.3	0.2	0.2
Cumulative incidence:	4	3	4
Sex ratio (m/f):	0.8		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases:	0	3	10	17
Incidence rate:	0.0	0.1	0.2	0.4

Median age at diagnosis: 11 years 2 months

* Standard: Segi world standard population

2 Mixed and unspecified gliomas

Cases in Germany aged under 15 years (1980-2008): 548

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency:	301 / 18195 = 1.7 %		
Relative frequency of trial patients:	83.4 %		
Incidence rates per million:	Girls	Boys	Total
Number of cases:	149	152	301
Standardized rate *:	2.5	2.5	2.5
Cumulative incidence:	38	37	37
Sex ratio (m/f):	1.0		

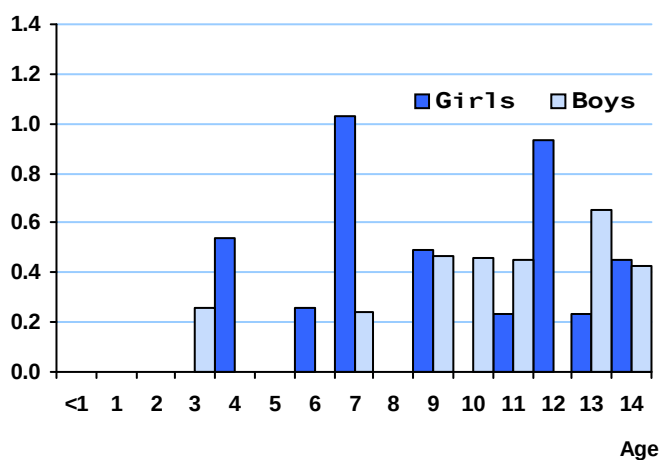
Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases:	15	79	118	89
Incidence rate:	2.1	2.6	2.9	2.0

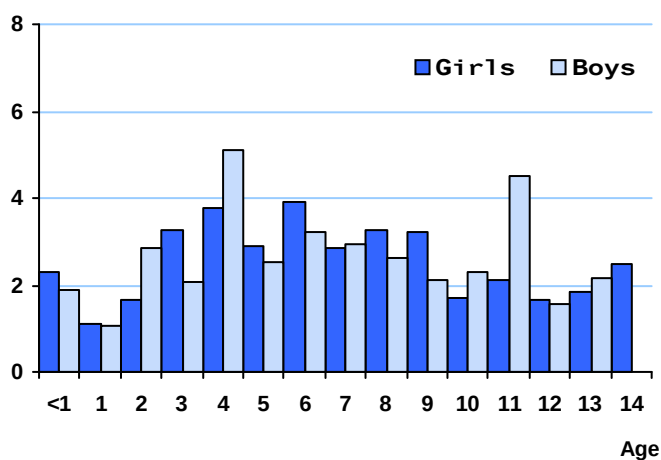
Median age at diagnosis: 7 years 5 months

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)



Age- and sex-specific incidence rates per million (Germany 1999-2008)



Cases in Germany aged under 15 years (1980-2008): 1128

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 531 / 18195 = 2.9 %**Relative frequency of trial patients:** 81.2 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	246	285	531
Standardized rate *:	4.0	4.4	4.2
Cumulative incidence:	62	68	65
Sex ratio (m/f):	1.2		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	23	100	175	233
Incidence rate:	3.2	3.3	4.4	5.3

Median age at diagnosis: 9 years 3 months

Survival probabilities:	5-year	10-year	15-year
	95 %	93 %	90 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

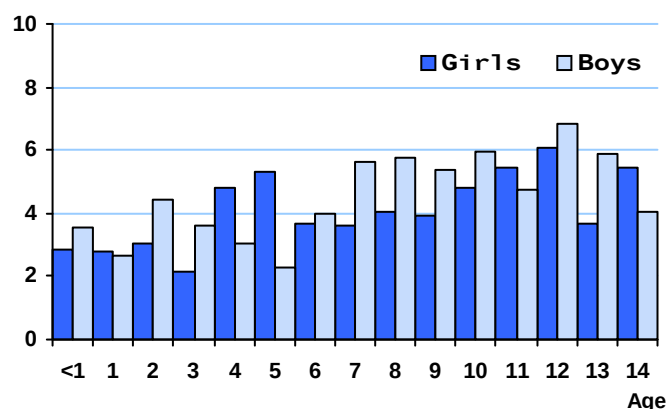
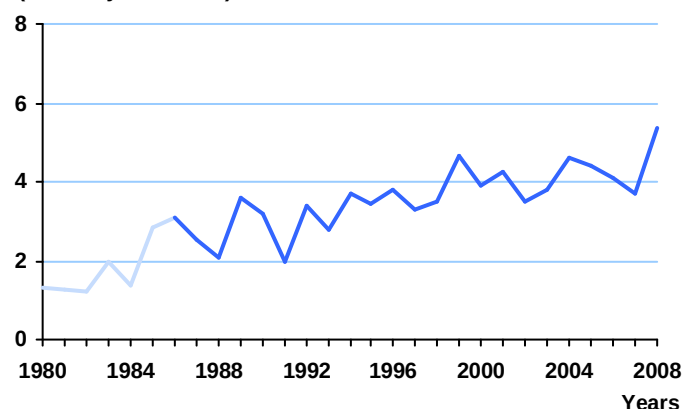
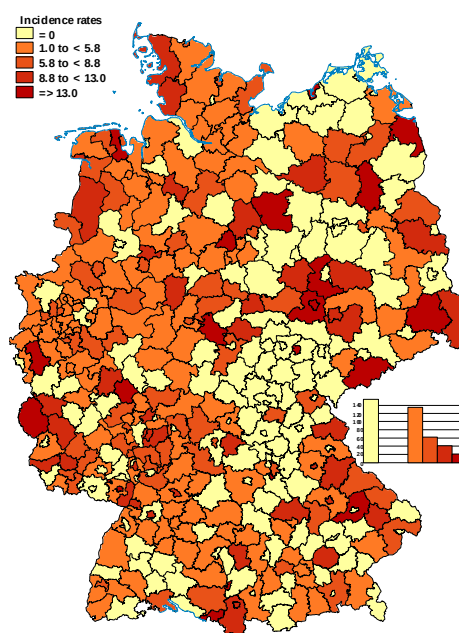
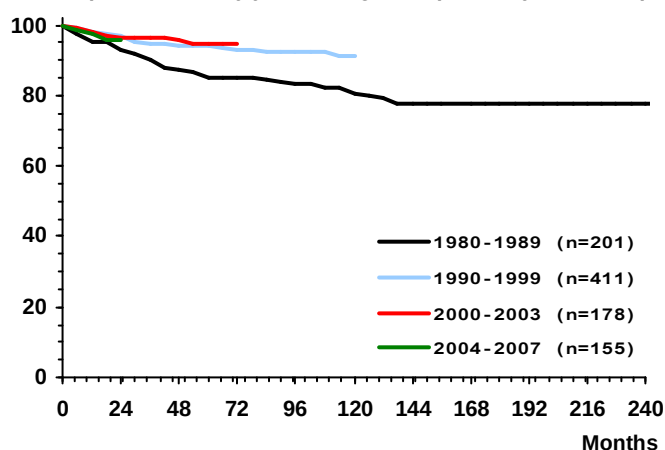
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
30	0.8 %	0.2	4

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

III (e) Other specified intracranial and intraspinal neoplasms

SN after III (e)			III (e) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
6	0.9 %	1.1 %	36	5.6 %	0.2 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

Germany (1999-2008)	N	%
Other specified intracranial and intraspinal neoplasms	531	100.0
Pituitary adenomas and carcinomas	42	7.9
Tumours of the sellar region (craniopharyngiomas)	190	35.8
Pineal parenchymal tumours	33	6.2
Neuronal and mixed neuronal-glial tumours	215	40.5
Meningiomas	51	9.6

1 Pituitary adenomas and carcinomas

Cases in Germany aged under 15 years (1980-2008): 70

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency:	42 / 18195 = 0.2 %		
Relative frequency of trial patients:	42.9 %		
Incidence rates per million:	Girls	Boys	Total
Number of cases:	22	20	42
Standardized rate *:	0.3	0.3	0.3
Cumulative incidence:	5	4	5
Sex ratio (m/f):	0.9		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases:	0	5	7	30
Incidence rate:	0.0	0.2	0.2	0.7
Median age at diagnosis:	11 years 8 months			

* Standard: Segi world standard population

2 Tumours of the sellar region (craniopharyngiomas)

Cases in Germany aged under 15 years (1980-2008): 476

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

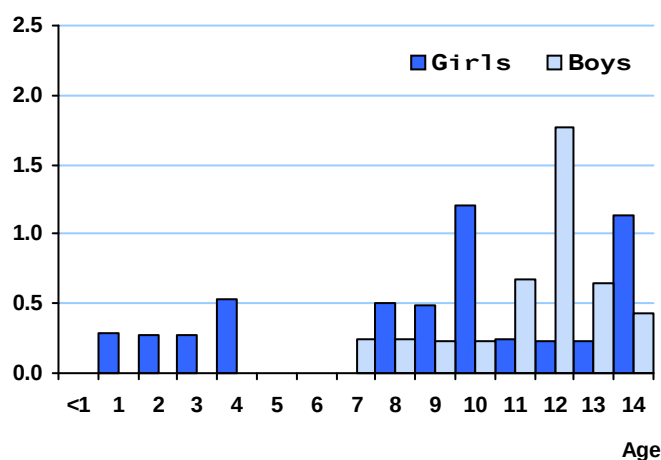
Relative frequency:	190 / 18195 = 1.0 %		
Relative frequency of trial patients:	85.8 %		
Incidence rates per million:	Girls	Boys	Total
Number of cases:	90	100	190
Standardized rate *:	1.4	1.5	1.5
Cumulative incidence:	23	24	23
Sex ratio (m/f):	1.1		

Age-specific incidence rates per million:

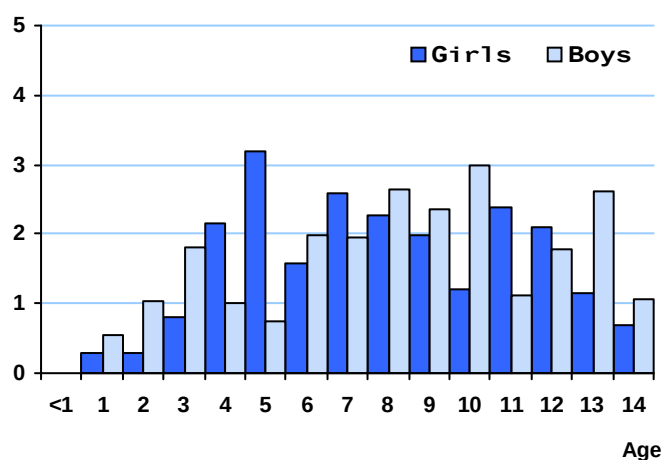
	<1	1-4	5-9	10-14
Number of cases:	0	30	85	75
Incidence rate:	0.0	1.0	2.1	1.7
Median age at diagnosis:	8 years 11 months			

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)



Age- and sex-specific incidence rates per million (Germany 1999-2008)



Germany (1999-2008)	N	%
Other specified intracranial and intraspinal neoplasms	531	100.0
Pituitary adenomas and carcinomas	42	7.9
Tumours of the sellar region (craniopharyngiomas)	190	35.8
Pineal parenchymal tumours	33	6.2
Neuronal and mixed neuronal-glial tumours	215	40.5
Meningiomas	51	9.6

3 Pineal parenchymal tumours

Cases in Germany aged under 15 years (1980-2008): 99

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency:	33 / 18195 = 0.2 %		
Relative frequency of trial patients:	75.8 %		
Incidence rates per million:	Girls	Boys	Total
Number of cases:	16	17	33
Standardized rate *:	0.3	0.3	0.3
Cumulative incidence:	4	4	4
Sex ratio (m/f):	1.1		

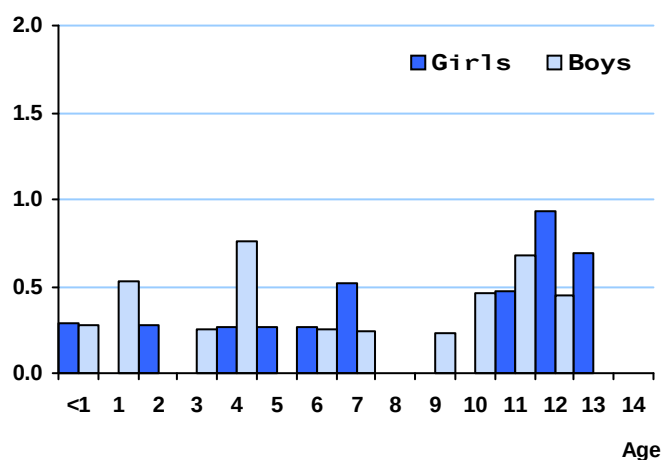
Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases:	2	8	7	16
Incidence rate:	0.3	0.3	0.2	0.4

Median age at diagnosis: 9 years 5 months

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)



4 Neuronal and mixed neuronal-glial tumours

Cases in Germany aged under 15 years (1980-2008): 367

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency:	215 / 18195 = 1.2 %		
Relative frequency of trial patients:	87.0 %		
Incidence rates per million:	Girls	Boys	Total
Number of cases:	93	122	215
Standardized rate *:	1.6	2.0	1.8
Cumulative incidence:	24	29	27
Sex ratio (m/f):	1.3		

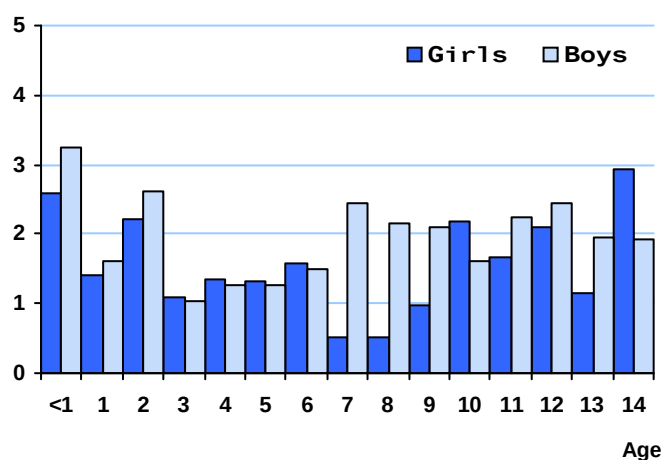
Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases:	21	47	58	89
Incidence rate:	2.9	1.6	1.4	2.0

Median age at diagnosis: 8 years 3 months

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)



Germany (1999-2008)	N	%
Other specified intracranial and intraspinal neoplasms	531	100.0
Pituitary adenomas and carcinomas	42	7.9
Tumours of the sellar region (craniopharyngiomas)	190	35.8
Pineal parenchymal tumours	33	6.2
Neuronal and mixed neuronal-glial tumours	215	40.5
Meningiomas	51	9.6

5 Meningiomas

Cases in Germany aged under 15 years (1980-2008): 116

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency: 51 / 18195 = 0.3 %

Relative frequency of trial patients: 74.5 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	25	26	51
Standardized rate *:	0.4	0.4	0.4
Cumulative incidence:	6	6	6
Sex ratio (m/f):	1.0		

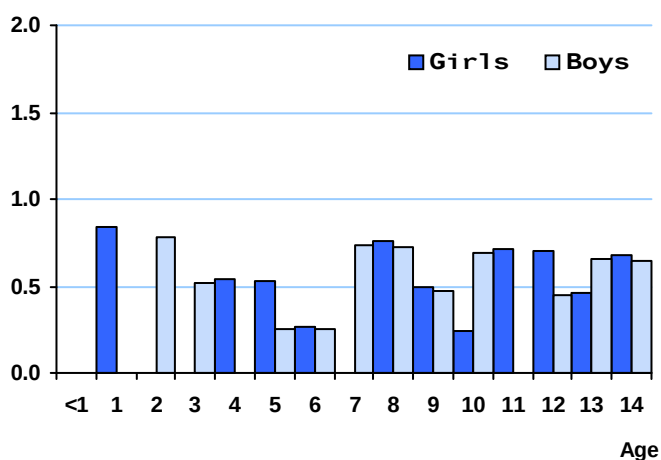
Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases:	0	10	18	23
Incidence rate:	0.0	0.3	0.4	0.5

Median age at diagnosis: 9 years 6 months

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million
(Germany 1999-2008)



Cases in Germany aged under 15 years (1980-2008): 3465

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 1349 / 18195 = 7.4 %**Relative frequency of trial patients:** 99.2 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	616	733	1349
Standardized rate *:	13.0	14.9	14.0
Cumulative incidence:	170	193	182
Sex ratio (m/f):	1.2		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	589	605	120	35
Incidence rate:	82.0	20.2	3.0	0.8

Median age at diagnosis: 1 year 3 months

Survival probabilities:	5-year	10-year	15-year
	79 %	77 %	75 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

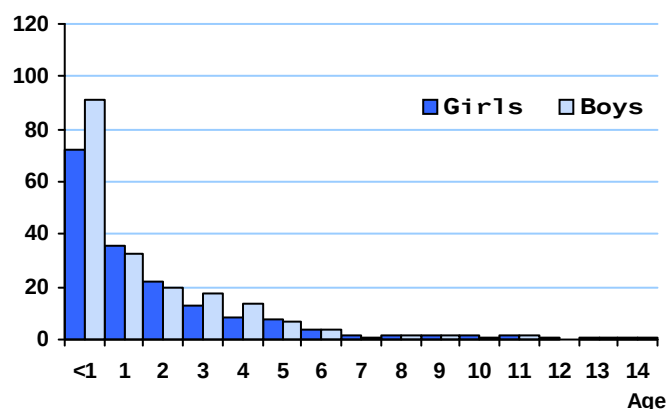
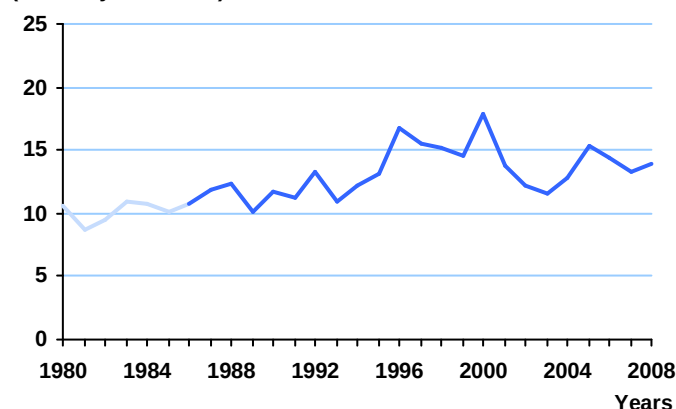
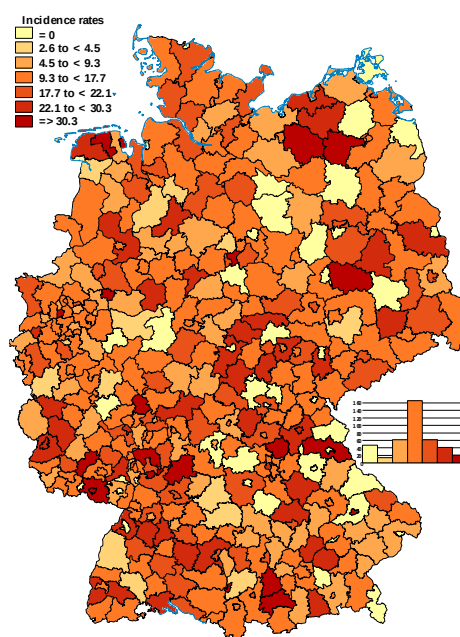
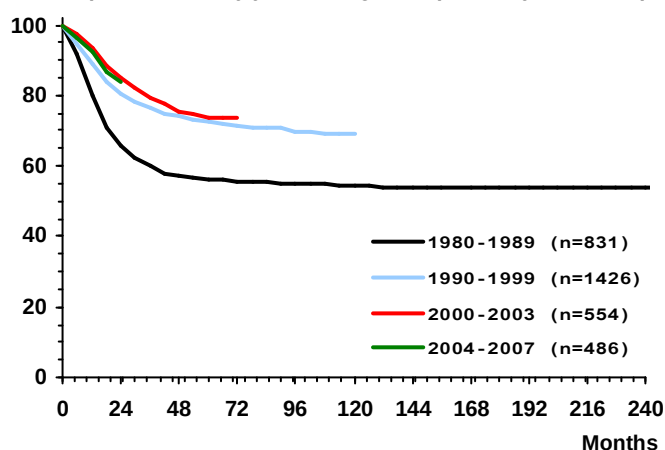
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
429	10.8 %	4.0	53

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

IV (a) Neuroblastoma and ganglioneuroblastoma

SN after IV (a)			IV (a) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
41	6.3 %	2.4 %	6	0.9 %	0.0 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

Cases in Germany aged under 15 years (1980-2008): 1092

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency: 410 / 18195 = 2.3 %

Relative frequency of trial patients: -

Incidence rates per million:	Girls	Boys	Total
Number of cases:	185	225	410
Standardized rate *:	4.0	4.6	4.3
Cumulative incidence:	51	59	56
Sex ratio (m/f):	1.2		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	179	213	16	2
Incidence rate:	24.9	7.1	0.4	0.0

Median age at diagnosis: 1 year 2 months

Survival probabilities:	5-year	10-year	15-year
	98 %	98 %	98 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
10	0.3 %	0.1	1

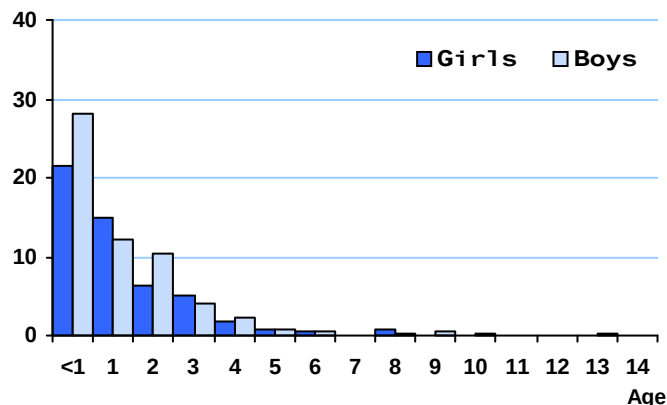
Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

V Retinoblastoma

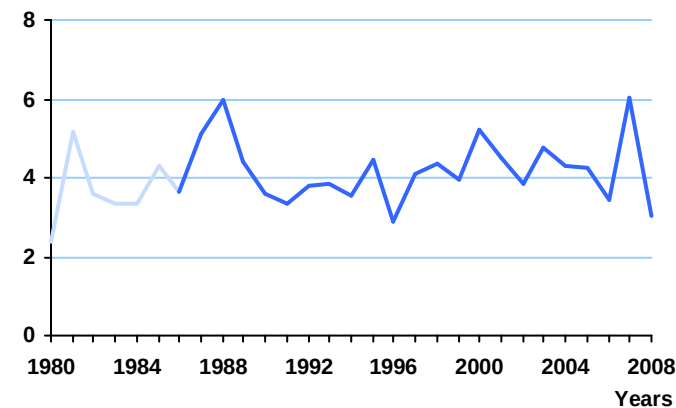
SN after V			V as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
19	2.9 %	2.8 %	3	0.5 %	0.0 %

* Standard: Segi world standard population

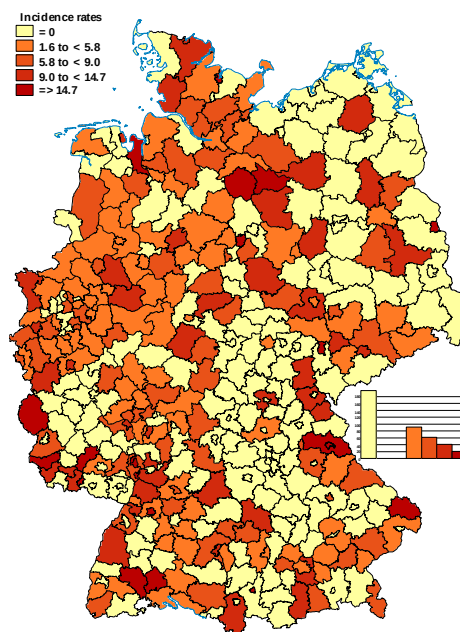
Age- and sex-specific incidence rates per million (Germany 1999-2008)



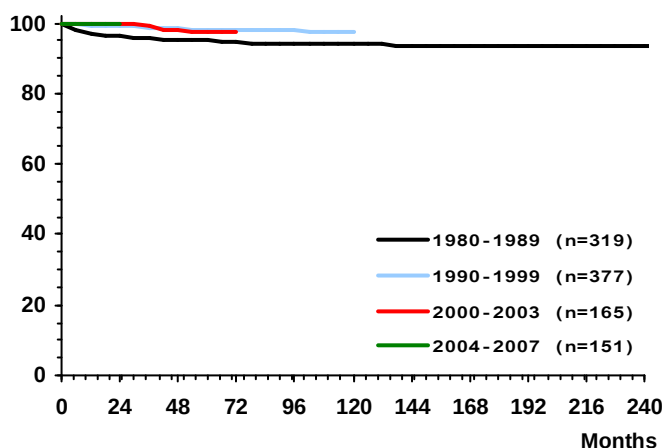
Standardized* annual incidence rates per million (Germany 1980-2008)



Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)



Survival probabilities by year of diagnosis (Germany 1980-2007)



Cases in Germany aged under 15 years (1980-2008): 2632

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 986 / 18195 = 5.4 %**Relative frequency of trial patients:** 97.9 %**Incidence rates per million:**

	Girls	Boys	Total
Number of cases:	519	467	986
Standardized rate *:	10.4	9.0	9.7
Cumulative incidence:	140	120	130
Sex ratio (m/f):	0.9		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	164	566	221	35
Incidence rate:	22.8	18.9	5.5	0.8

Median age at diagnosis: 3 years 2 months

Survival probabilities:	5-year	10-year	15-year
	93 %	92 %	92 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

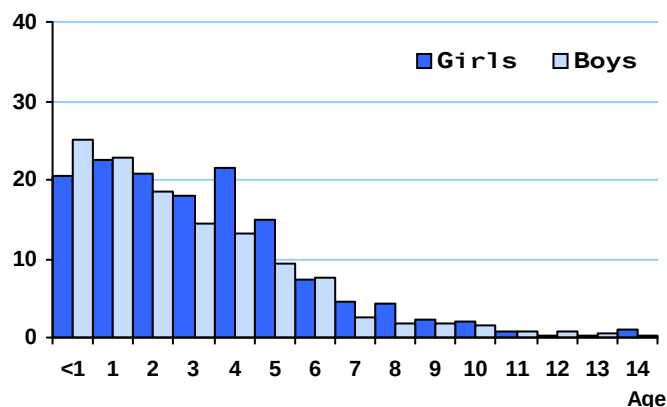
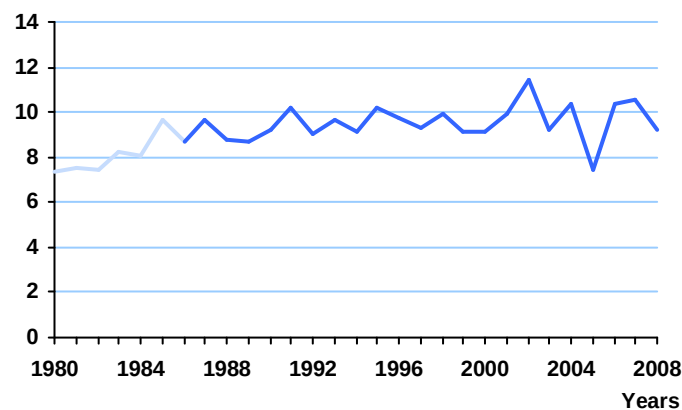
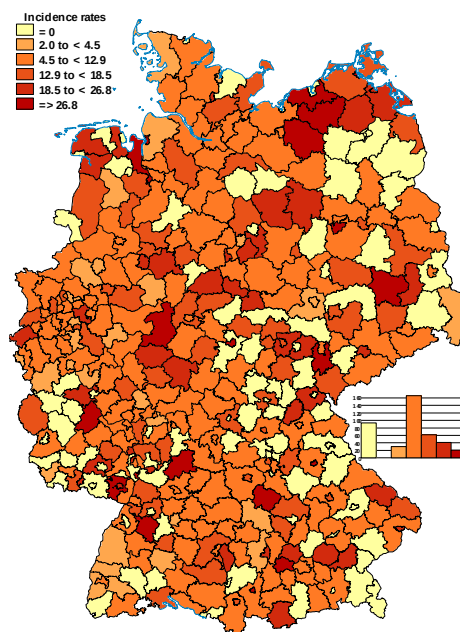
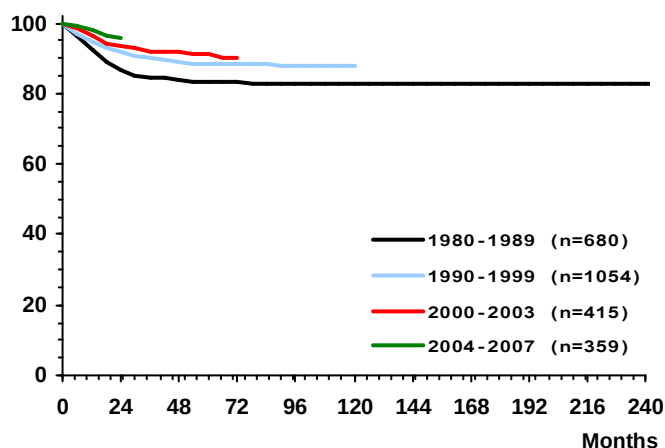
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
128	3.2 %	1.2	16

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

VI (a) Nephroblastoma and other non-epithelial renal tumours

SN after VI (a)			VI (a) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
24	3.7 %	2.0 %	8	1.2 %	0.0 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

Germany (1999-2008)	N	%
Nephroblastoma and other non-epithelial renal tumours	986	100.0
Nephroblastoma	964	97.8
Rhabdoid renal tumour	11	1.1
Kidney sarcomas	10	1.0
Peripheral neuroectodermal tumour (pPNET) of kidney	1	0.1

1 Nephroblastoma

Cases in Germany aged under 15 years (1980-2008): 2549

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency:	964 / 18195 = 5.3 %		
Relative frequency of trial patients:	98.2 %		
Incidence rates per million:	Girls	Boys	Total
Number of cases:	511	453	964
Standardized rate *:	10.2	8.7	9.5
Cumulative incidence:	138	117	127
Sex ratio (m/f):	0.9		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases:	157	557	217	33
Incidence rate:	21.9	18.6	5.4	0.8

Median age at diagnosis: 3 years 2 months

* Standard: Segi world standard population

2 Rhabdoid renal tumour

Cases in Germany aged under 15 years (1980-2008): 41

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency:	11 / 18195 = 0.1 %		
Relative frequency of trial patients:	63.6 %		
Incidence rates per million:	Girls	Boys	Total
Number of cases:	6	5	11
Standardized rate *:	0.1	0.1	0.1
Cumulative incidence:	2	1	1
Sex ratio (m/f):	0.8		

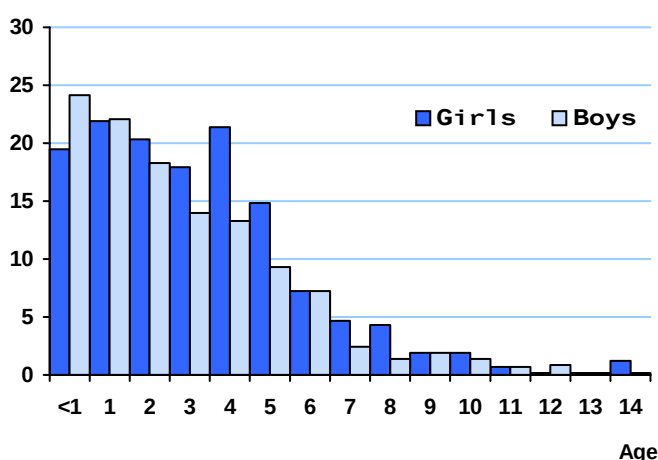
Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases:	7	3	1	0
Incidence rate:	1.0	0.1	0.0	0.0

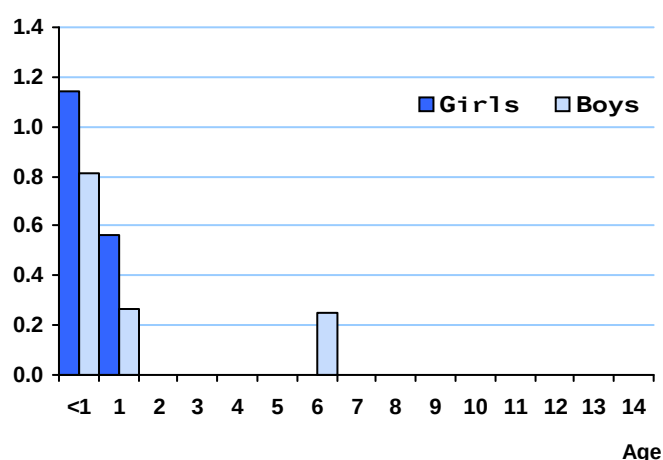
Median age at diagnosis: 0 years 7 months

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)



Age- and sex-specific incidence rates per million (Germany 1999-2008)



Cases in Germany aged under 15 years (1980-2008): 47

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 25 / 18195 = 0.1 %**Relative frequency of trial patients:** 64.0 %**Incidence rates per million:**

	Girls	Boys	Total
Number of cases:	14	11	25
Standardized rate *:	0.2	0.2	0.2
Cumulative incidence:	3	3	3
Sex ratio (m/f):	0.8		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	0	2	8	15
Incidence rate:	0.0	0.1	0.2	0.3

Median age at diagnosis: 11 years 2 months

	5-year	10-year	15-year
Survival probabilities:	-	-	-

Mortality per million within 10 yrs. of diagnosis (1989-1998):

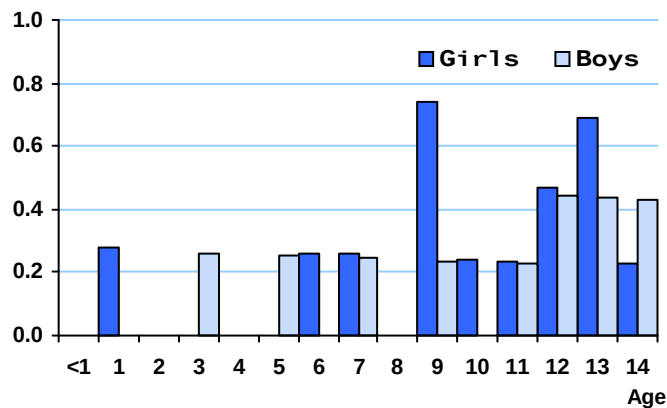
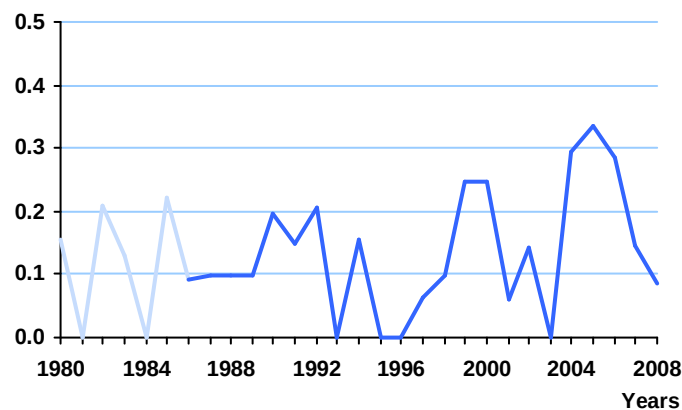
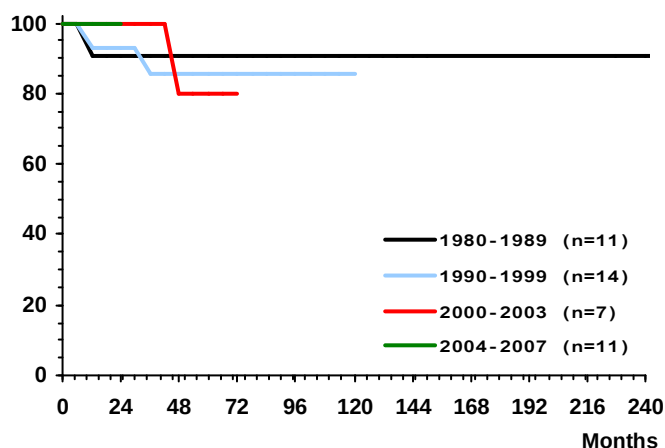
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
1	0.0 %	0.0	0

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

VI (b) Renal carcinomas

SN after VI (b)			VI (b) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
1	0.2 %	2.6 %	4	0.6 %	0.0 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

No map due to sparse data

Cases in Germany aged under 15 years (1980-2008): 365

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 163 / 18195 = 0.9 %**Relative frequency of trial patients:** 98.8 %**Incidence rates per million:**

	Girls	Boys	Total
Number of cases:	59	104	163
Standardized rate *:	1.3	2.1	1.7
Cumulative incidence:	16	27	22
Sex ratio (m/f):	1.8		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	55	93	8	7
Incidence rate:	7.7	3.1	0.2	0.2

Median age at diagnosis: 1 year 4 months**Survival probabilities:**

	5-year	10-year	15-year
	73 %	72 %	72 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

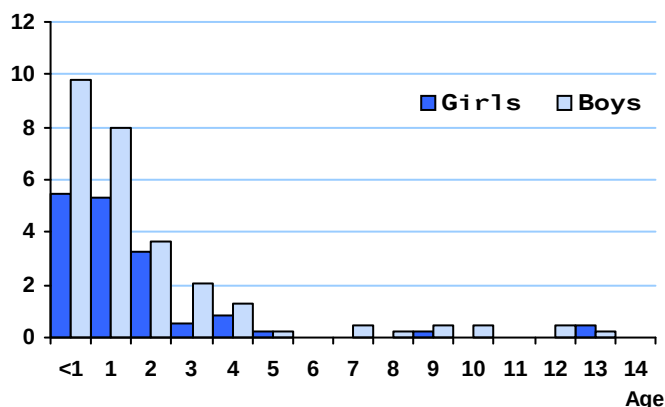
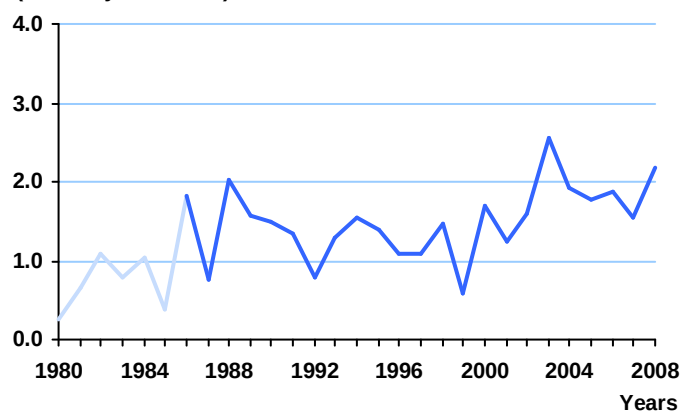
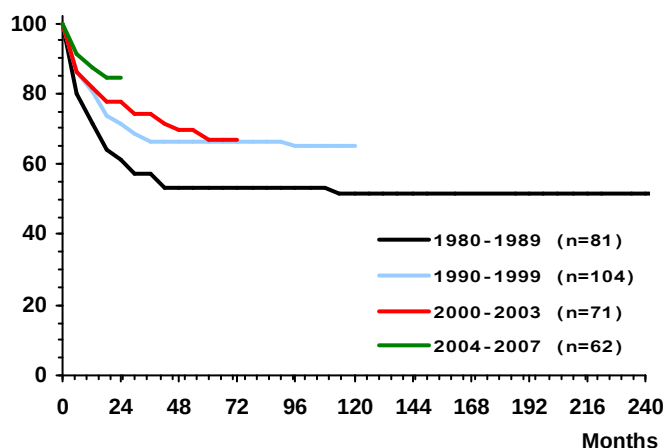
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
39	1.0 %	0.4	5

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

VII (a) Hepatoblastoma

SN after VII (a)			VII (a) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
3	0.5 %	4.3 %	2	0.3 %	0.0 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

No map due to sparse data

Cases in Germany aged under 15 years (1980-2008): 97

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 43 / 18195 = 0.2 %**Relative frequency of trial patients:** 88.4 %**Incidence rates per million:**

	Girls	Boys	Total
Number of cases:	15	28	43
Standardized rate *:	0.2	0.4	0.3
Cumulative incidence:	4	7	5

Sex ratio (m/f): 1.9**Age-specific incidence rates per million:**

	<1	1-4	5-9	10-14
Number of cases :	0	3	17	23
Incidence rate:	0.0	0.1	0.4	0.5

Median age at diagnosis: 10 years 2 months**Survival probabilities:**

5-year	10-year	15-year
47 %	32 %	-

Mortality per million within 10 yrs. of diagnosis (1989-1998):

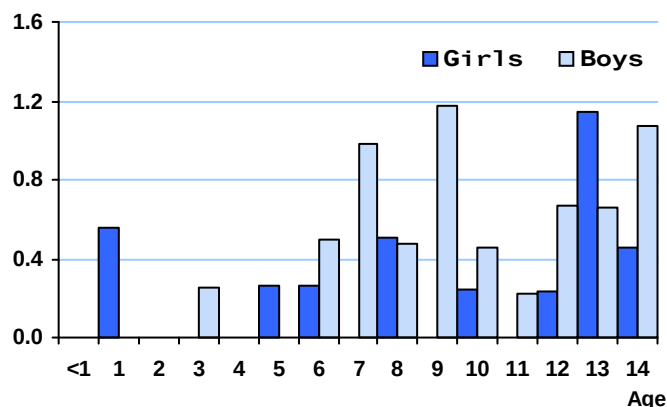
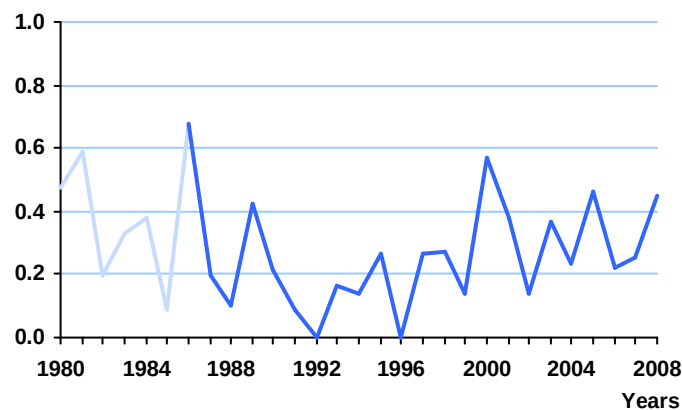
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
16	0.4 %	0.1	2

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

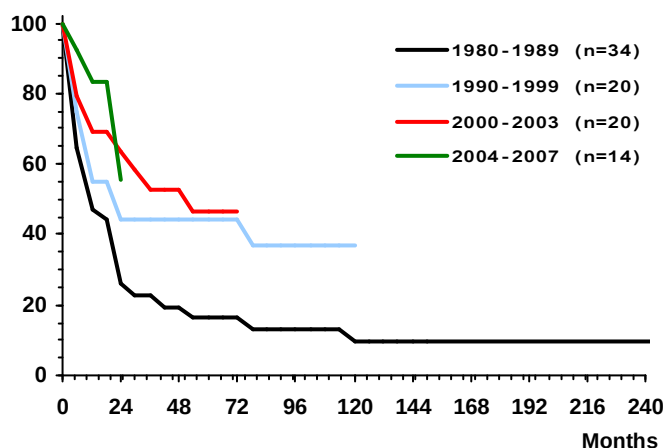
VII (b) Hepatic carcinomas

SN after VII (b)			VII (b) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
0	0.0 %	0.0 %	3	0.5 %	0.0 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)**

No map due to sparse data

Survival probabilities by year of diagnosis (Germany 1980-2007)

- (a) Osteosarcomas
- (b) Chondrosarcomas
- (c) Ewing tumour and related sarcomas of bone

- (d) Other specified malignant bone tumours
- (e) Unspecified malignant bone tumours

Cases in Germany aged under 15 years (1980-2008): 2144

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency: 817 / 18195 = 4.5 %

Relative frequency of trial patients: 98.0 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	397	420	817
Standardized rate *:	5.9	5.9	5.9
Cumulative incidence:	96	97	96
Sex ratio (m/f):	1.1		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	5	51	212	549
Incidence rate:	0.7	1.7	5.3	12.5

Median age at diagnosis: 11 years 7 months

Survival probabilities:	5-year	10-year	15-year
	74 %	70 %	69 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

Number of deaths		Standardized*	Cumulative
N	% of all 3973 deaths	mortality rate	mortality
253	6.4 %	1.9	32

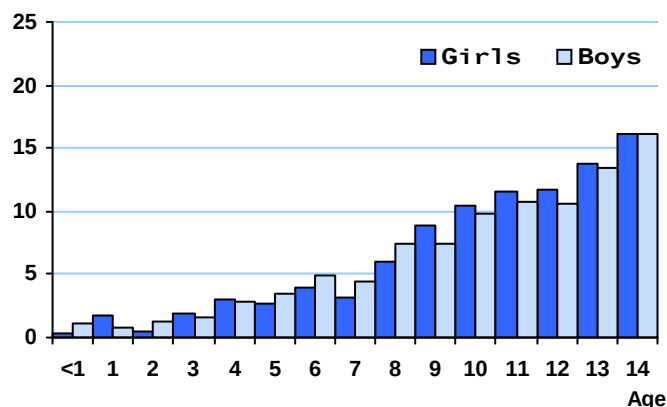
Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

VIII Malignant bone tumours

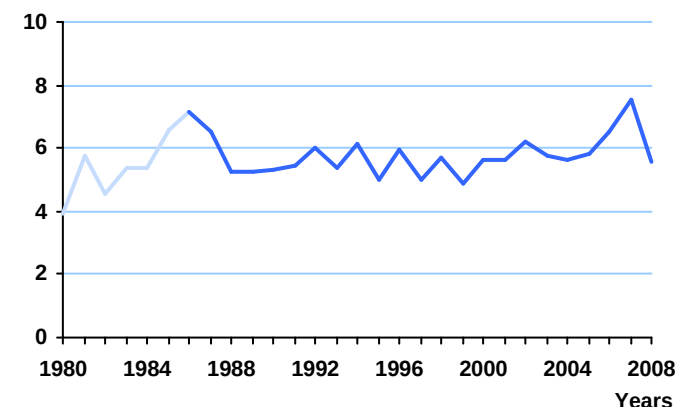
SN after VIII			VIII as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
38	5.9 %	2.8 %	44	6.8 %	0.2 %

* Standard: Segi world standard population

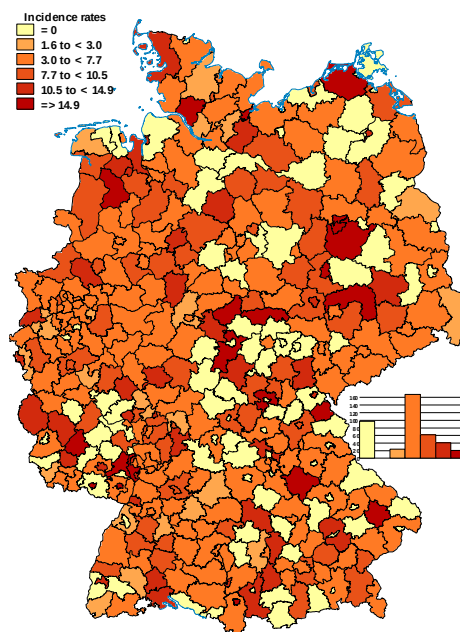
Age- and sex-specific incidence rates per million (Germany 1999-2008)



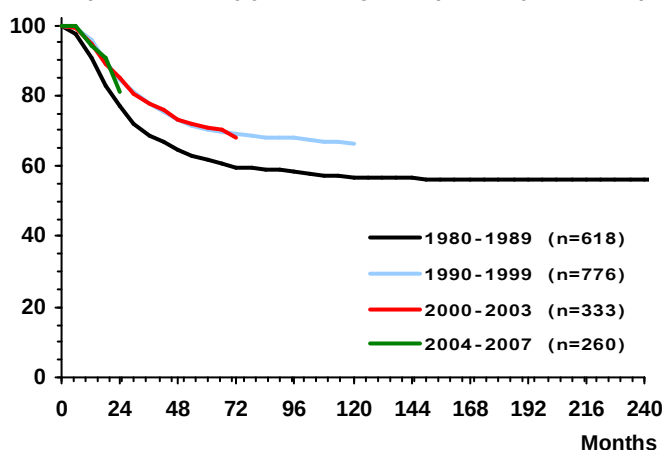
Standardized* annual incidence rates per million (Germany 1980-2008)



Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)



Survival probabilities by year of diagnosis (Germany 1980-2007)



Cases in Germany aged under 15 years (1980-2008): 1128

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 412 / 18195 = 2.3 %**Relative frequency of trial patients:** 98.8 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	210	202	412
Standardized rate *:	3.0	2.8	2.9
Cumulative incidence:	50	46	48
Sex ratio (m/f):	1.0		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	0	13	100	299
Incidence rate:	0.0	0.4	2.5	6.8

Median age at diagnosis: 12 years 1 month

Survival probabilities:	5-year	10-year	15-year
	76 %	72 %	71 %

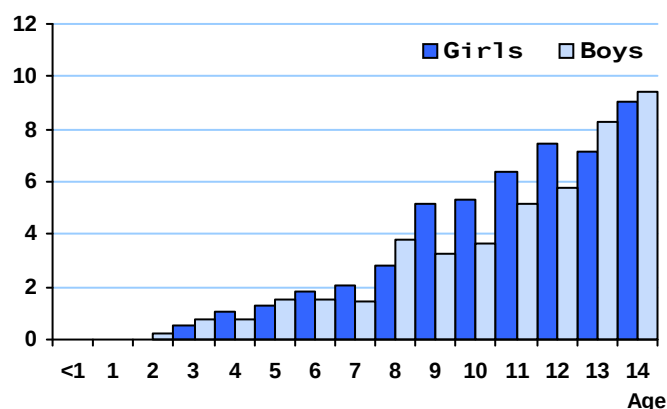
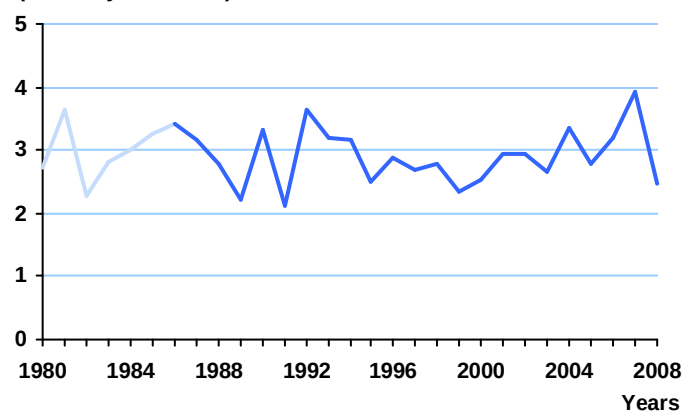
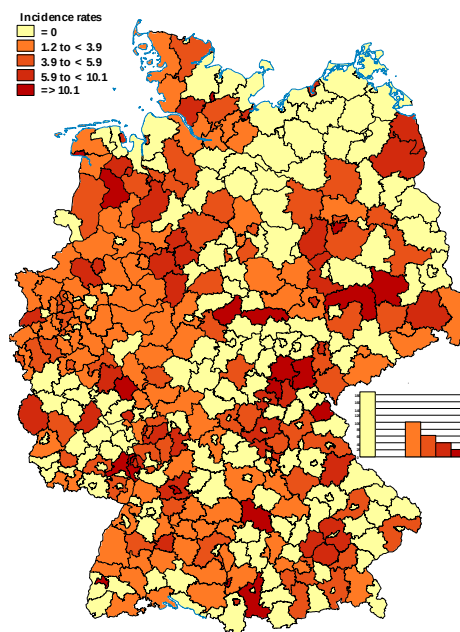
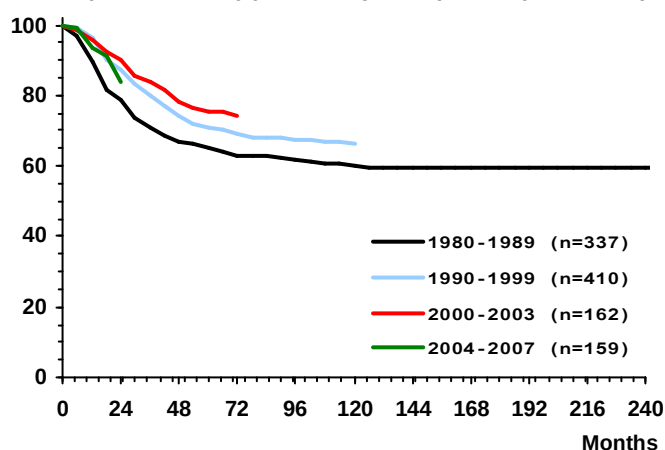
Mortality per million within 10 yrs. of diagnosis (1989-1998):

Number of deaths	Standardized* mortality rate	Cumulative mortality
N % of all 3973 deaths		
135 3.4 %	1.0	16

**Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):
VIII (a) Osteosarcomas**

SN after VIII (a)			VIII (a) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
14	2.2 %	2.2 %	31	4.8 %	0.2 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

Cases in Germany aged under 15 years (1980-2008): 944

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 375 / 18195 = 2.1 %**Relative frequency of trial patients:** 99.2 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	169	206	375
Standardized rate *:	2.6	3.0	2.8
Cumulative incidence:	41	48	45
Sex ratio (m/f):	1.2		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	5	35	106	229
Incidence rate:	0.7	1.2	2.6	5.2

Median age at diagnosis: 10 years 10 months

Survival probabilities:	5-year	10-year	15-year
	72 %	68 %	67 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

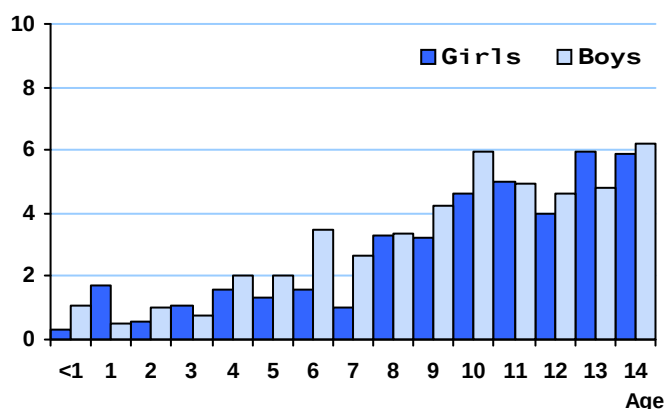
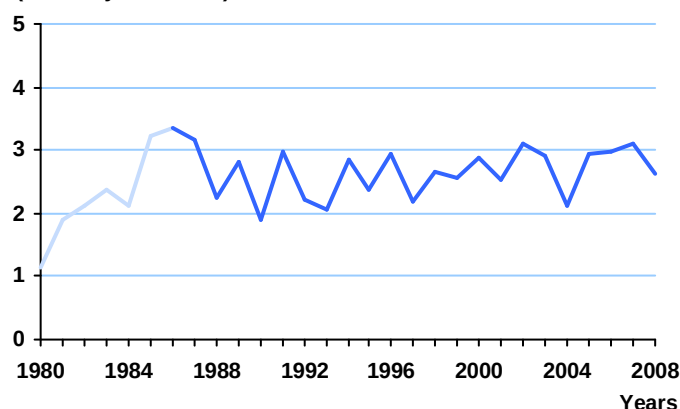
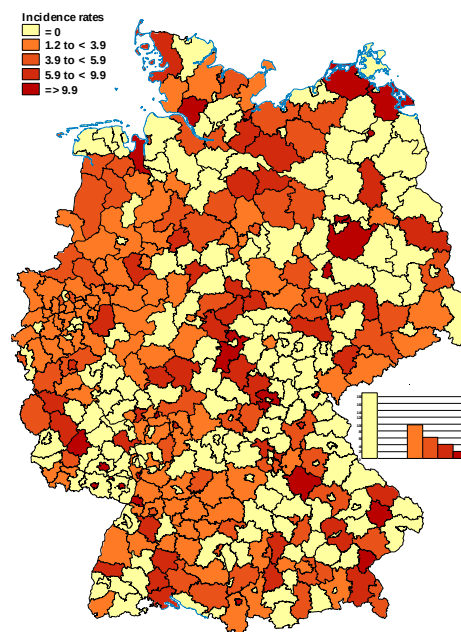
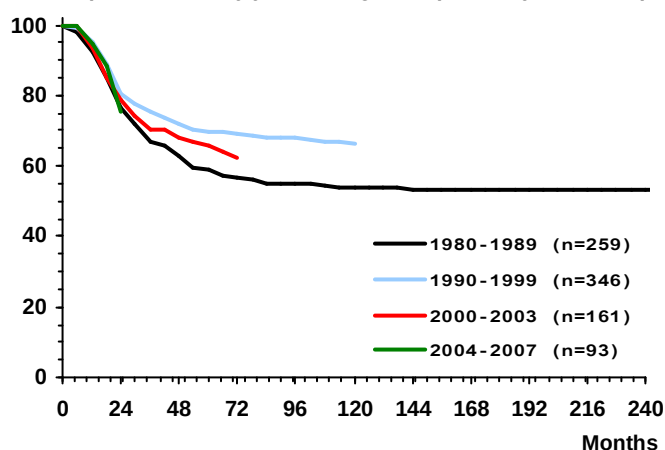
Number of deaths		Standardized*	Cumulative
N	% of all 3973 deaths	mortality rate	mortality
112	2.8 %	0.8	13

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

VIII (c) Ewing tumour and related sarcomas of bone

SN after VIII (c)			VIII (c) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
22	3.4 %	3.5 %	10	1.5 %	0.0 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

(a) Rhabdomyosarcomas

(b) Fibrosarcomas, peripheral nerve sheath tumours and other fibromatous neoplasms

(c) Kaposi sarcoma

(d) Other specified soft tissue sarcomas

(e) Unspecified soft tissue sarcomas

Cases in Germany aged under 15 years (1980-2008): 2789

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency: 1082 / 18195 = 5.9 %

Relative frequency of trial patients: 96.1 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	502	580	1082
Standardized rate *:	8.7	9.8	9.3
Cumulative incidence:	128	142	135
Sex ratio (m/f):	1.2		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	113	327	283	359
Incidence rate:	15.7	10.9	7.1	8.2

Median age at diagnosis: 6 years 6 months

Survival probabilities:	5-year	10-year	15-year
	70 %	67 %	66 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

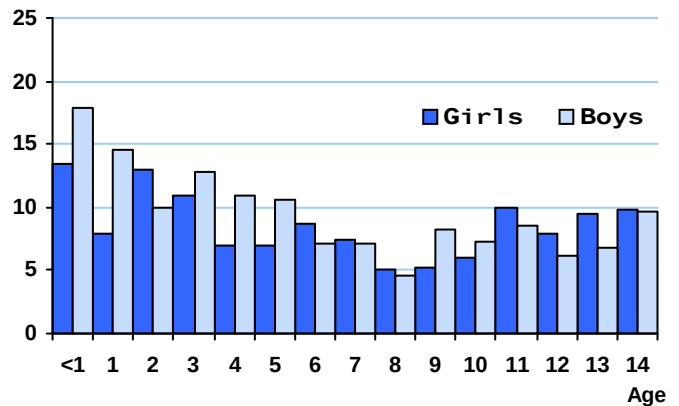
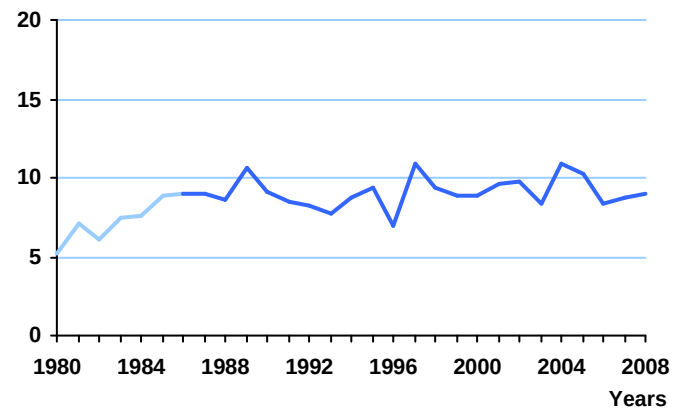
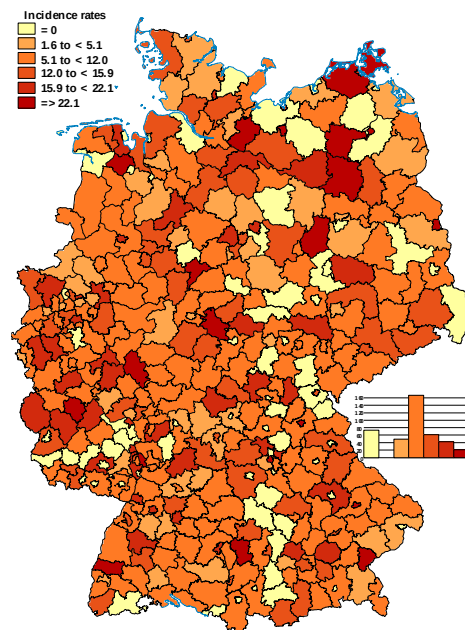
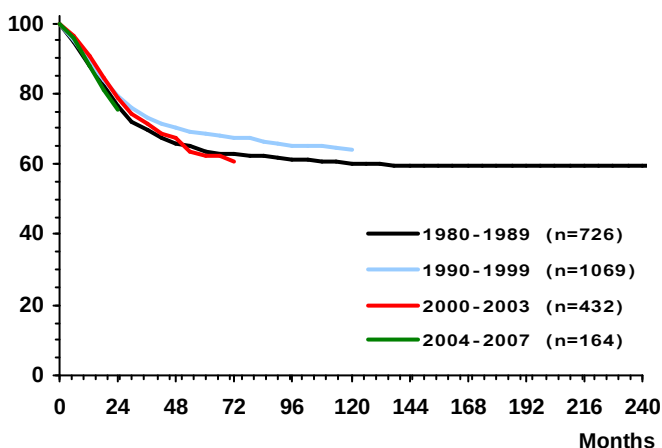
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
368	9.3 %	3.1	44

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

IX Soft tissue and other extraosseous sarcomas

SN after IX			IX as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
46	7.1 %	3.2 %	42	6.5 %	0.2 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

Cases in Germany aged under 15 years (1980-2008): 1630

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 601 / 18195 = 3.3 %**Relative frequency of trial patients:** 98.5 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	265	336	601
Standardized rate *:	4.8	5.9	5.4
Cumulative incidence:	69	83	76
Sex ratio (m/f):	1.3		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	42	255	181	123
Incidence rate:	5.8	8.5	4.5	2.8

Median age at diagnosis: 5 years 1 month

Survival probabilities:	5-year	10-year	15-year
	71 %	69 %	68 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

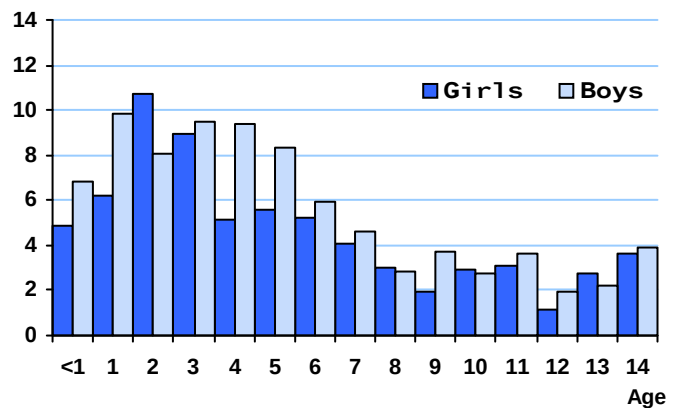
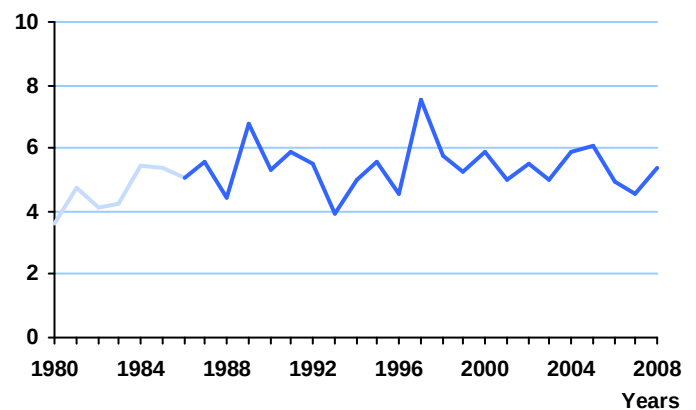
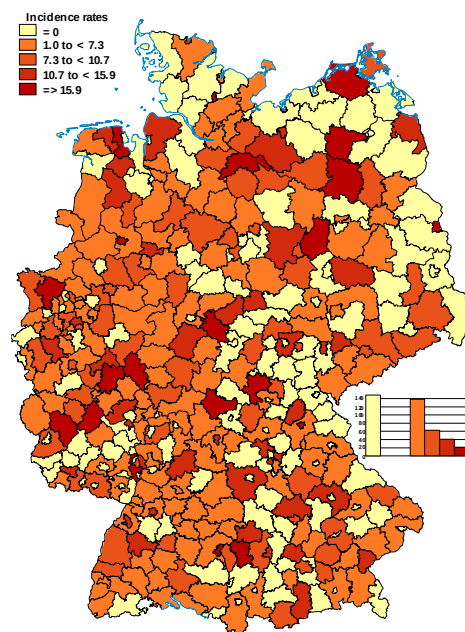
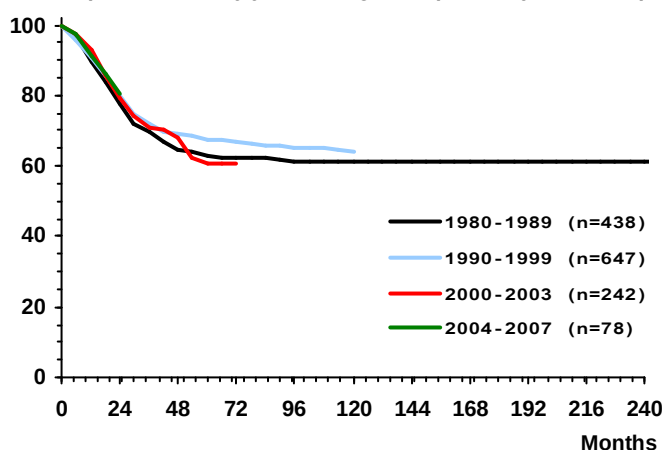
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
224	5.6 %	1.9	27

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

IX (a) Rhabdomyosarcomas

SN after IX (a)			IX (a) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
32	4.9 %	3.7 %	10	1.5 %	0.0 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

Cases in Germany aged under 15 years (1980-2008): 238

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 98 / 18195 = 0.5 %**Relative frequency of trial patients:** 87.8 %**Incidence rates per million:**

Number of cases: Girls 51 Boys 47 Total 98

Standardized rate *: Girls 0.9 Boys 0.8 Total 0.8

Cumulative incidence: Girls 13 Boys 12 Total 12

Sex ratio (m/f): 0.9**Age-specific incidence rates per million:**

Number of cases : <1 1-4 5-9 10-14

Incidence rate: 28 10 18 42

Incidence rate: 3.9 0.3 0.4 1.0

Median age at diagnosis: 8 years 1 month**Survival probabilities:**

5-year 66 % 10-year 61 % 15-year 58 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

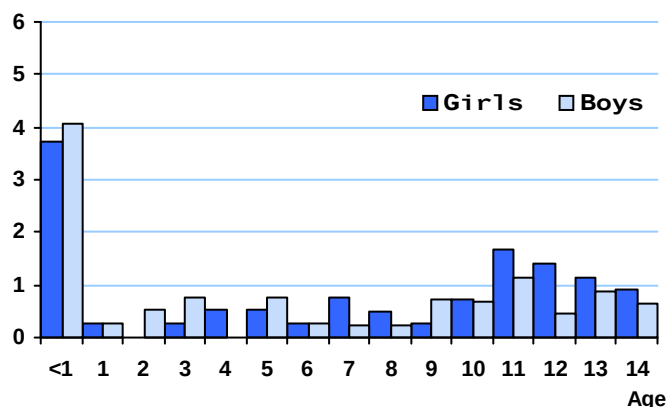
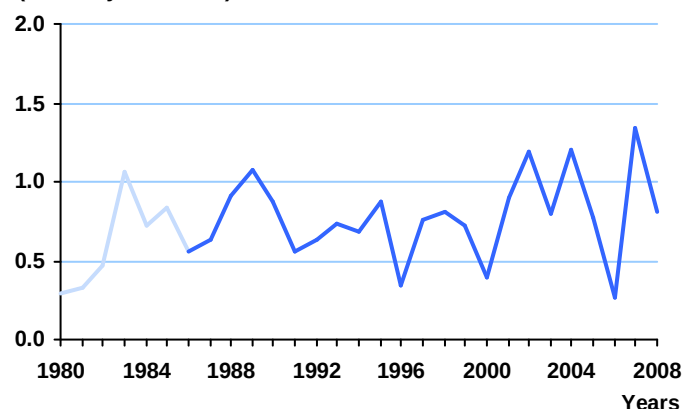
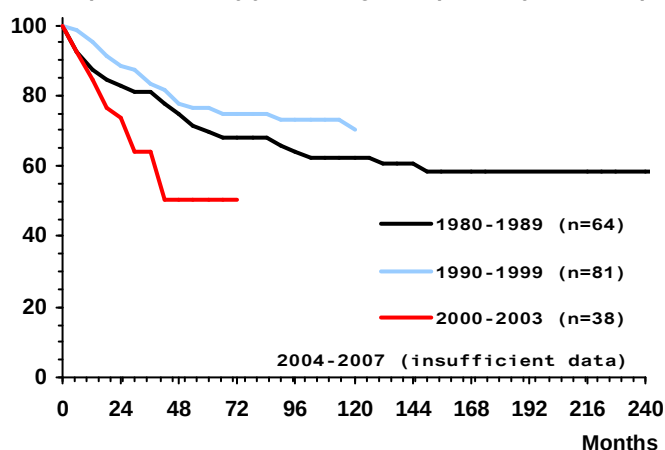
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
24	0.6 %	0.2	3

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

IX (b) Fibrosarcomas, peripheral nerve sheath tumours and other fibrous neoplasms

SN after IX (b)			IX (b) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
4	0.6 %	2.9 %	10	1.5 %	0.1 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

No map due to sparse data

Germany (1999-2008)	N	%
Fibrosarcomas, peripheral nerve sheath tumours and other	98	100.0
Fibroblastic and myofibroblastic tumours	50	51.0
Nerve sheath tumours	47	48.0
Other fibrous neoplasms	1	1.0

1 Fibroblastic and myofibroblastic tumours

Cases in Germany aged under 15 years (1980-2008): 112

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency:	50 / 18195 = 0.3 %		
Relative frequency of trial patients:	98.0 %		
Incidence rates per million:	Girls	Boys	Total
Number of cases:	23	27	50
Standardized rate *:	0.4	0.5	0.5
Cumulative incidence:	6	7	6
Sex ratio (m/f):	1.2		

Age-specific incidence rates per million:	<1	1-4	5-9	10-14
Number of cases:	25	5	6	14
Incidence rate:	3.5	0.2	0.1	0.3
Median age at diagnosis:	1 year 9 months			

* Standard: Segi world standard population

2 Nerve sheath tumours

Cases in Germany aged under 15 years (1980-2008): 125

based on International Classification of Childhood Cancer, 3rd edition

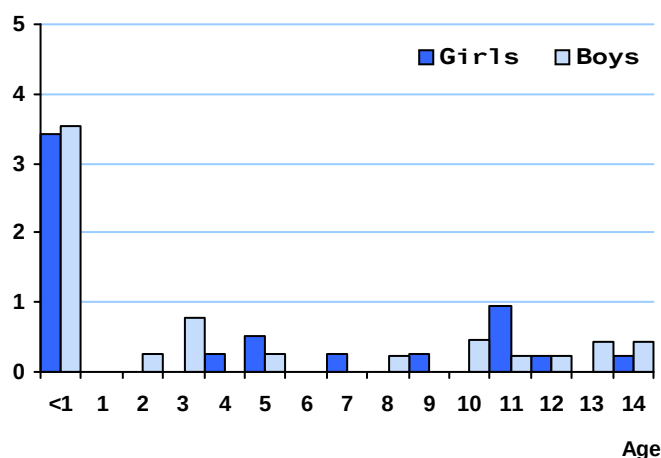
Selected characteristics (Germany 1999-2008)

Relative frequency:	47 / 18195 = 0.3 %		
Relative frequency of trial patients:	76.6 %		
Incidence rates per million:	Girls	Boys	Total
Number of cases:	27	20	47
Standardized rate *:	0.4	0.3	0.4
Cumulative incidence:	7	5	6
Sex ratio (m/f):	0.7		

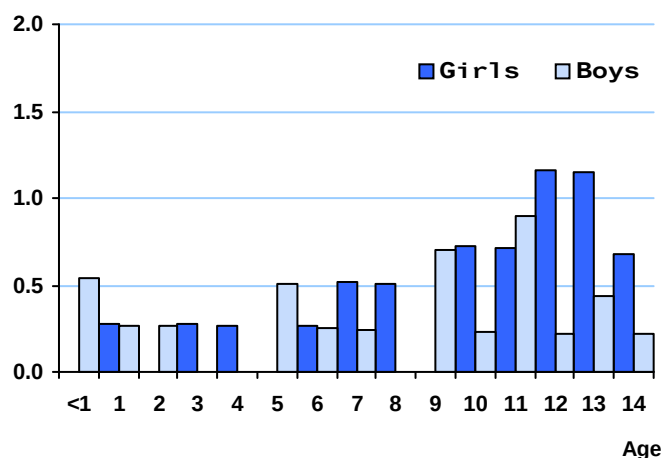
Age-specific incidence rates per million:	<1	1-4	5-9	10-14
Number of cases:	2	5	12	28
Incidence rate:	0.3	0.2	0.3	0.6
Median age at diagnosis:	11 years 4 months			

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)



Age- and sex-specific incidence rates per million (Germany 1999-2008)



Cases in Germany aged under 15 years (1980-2008): 750

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 306 / 18195 = 1.7 %**Relative frequency of trial patients:** 94.8 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	151	155	306
Standardized rate *:	2.4	2.5	2.4
Cumulative incidence:	37	37	37
Sex ratio (m/f):	1.0		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	31	49	69	157
Incidence rate:	4.3	1.6	1.7	3.6

Median age at diagnosis: 10 years 1 month

Survival probabilities:	5-year	10-year	15-year
	73 %	68 %	67 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

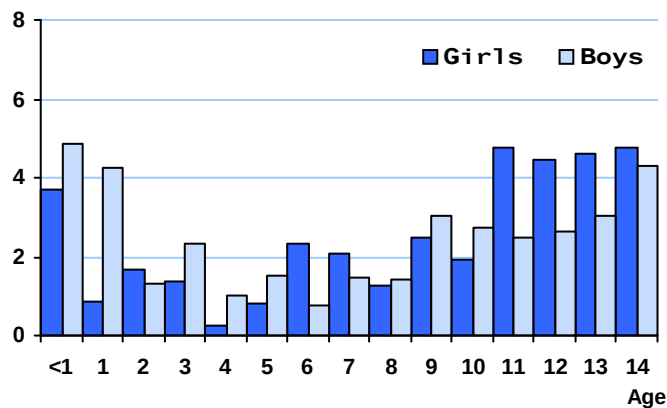
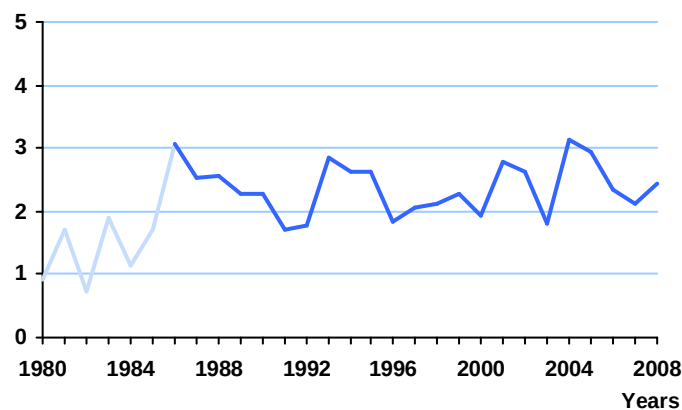
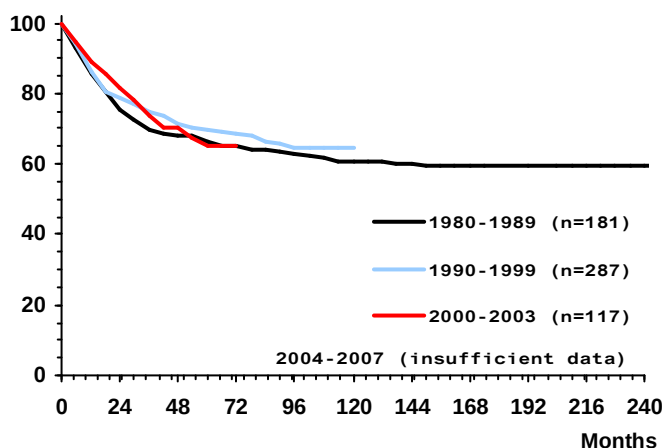
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
99	2.5 %	0.8	12

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

IX (d) Other specified soft tissue sarcomas

SN after IX (d)			IX (d) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
8	1.2 %	1.9 %	19	2.9 %	0.1 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

No map due to sparse data

- (a) Intracranial and intraspinal germ cell tumours
- (b) Malignant extracranial and extragonadal germ cell tumours
- (c) Malignant gonadal germ cell tumours

- (d) Gonadal carcinomas
- (e) Other and unspecified malignant gonadal tumours

Cases in Germany aged under 15 years (1980-2008): 1403

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)

Relative frequency: 535 / 18195 = 2.9 %

Relative frequency of trial patients: 97.0 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	299	236	535
Standardized rate *:	5.1	4.0	4.5
Cumulative incidence:	76	58	67
Sex ratio (m/f):	0.8		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	119	91	87	238
Incidence rate:	16.6	3.0	2.2	5.4

Median age at diagnosis: 9 years 2 months

Survival probabilities:	5-year	10-year	15-year
	95 %	94 %	93 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
67	1.7 %	0.5	8

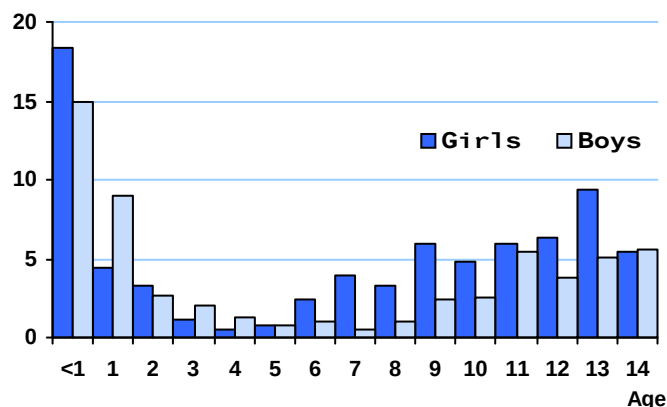
Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

X Germ cell tumours, trophoblastic tumours and neoplasms of gonads

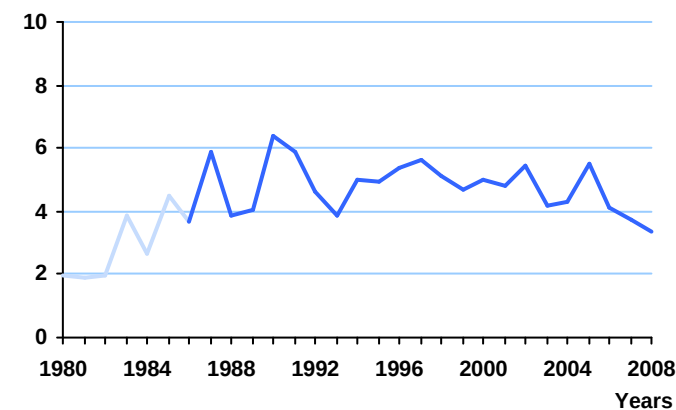
SN after X			X as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
10	1.5 %	1.5 %	5	0.8 %	0.0 %

* Standard: Segi world standard population

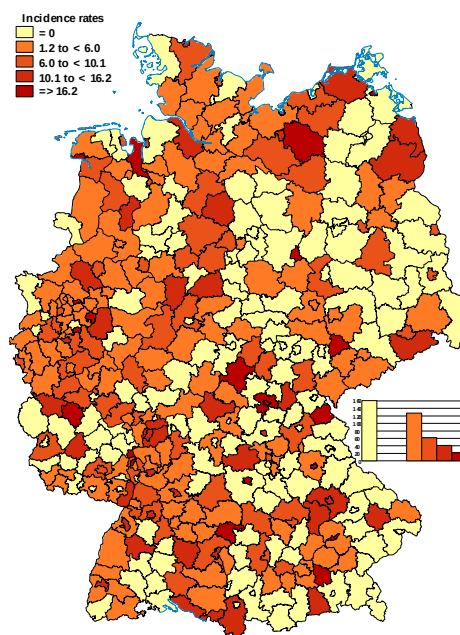
Age- and sex-specific incidence rates per million (Germany 1999-2008)



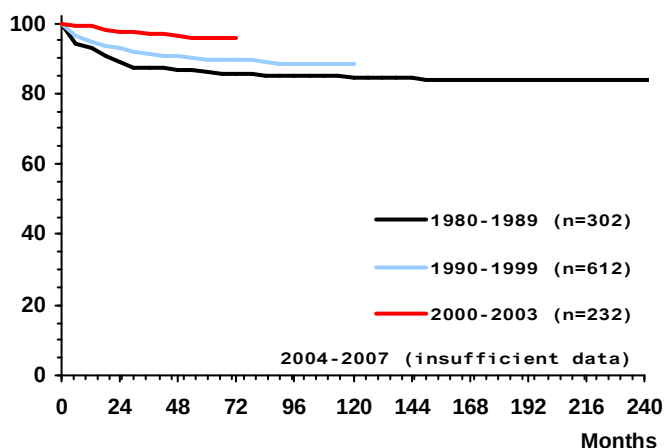
Standardized* annual incidence rates per million (Germany 1980-2008)



Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)



Survival probabilities by year of diagnosis (Germany 1980-2007)



Cases in Germany aged under 15 years (1980-2008): 377

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 157 / 18195 = 0.9 %**Relative frequency of trial patients:** 94.9 %**Incidence rates per million:**

	Girls	Boys	Total
Number of cases:	58	99	157
Standardized rate *:	0.9	1.4	1.1
Cumulative incidence:	14	23	19
Sex ratio (m/f):	1.7		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	6	5	44	102
Incidence rate:	0.8	0.2	1.1	2.3

Median age at diagnosis: 11 years 1 month

	5-year	10-year	15-year
Survival probabilities:	90 %	87 %	84 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

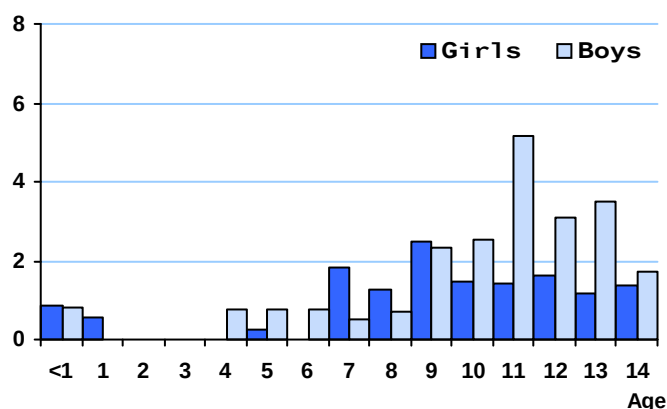
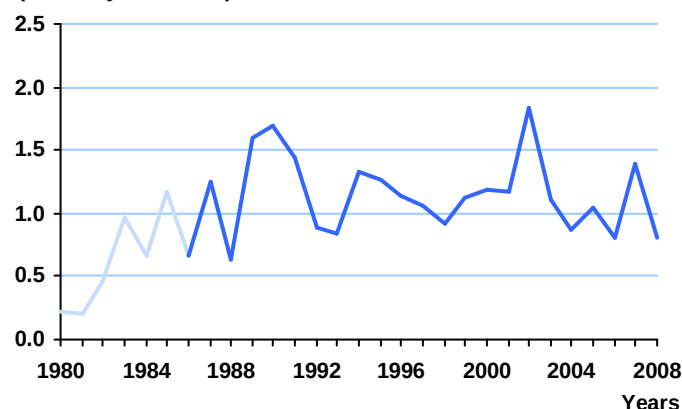
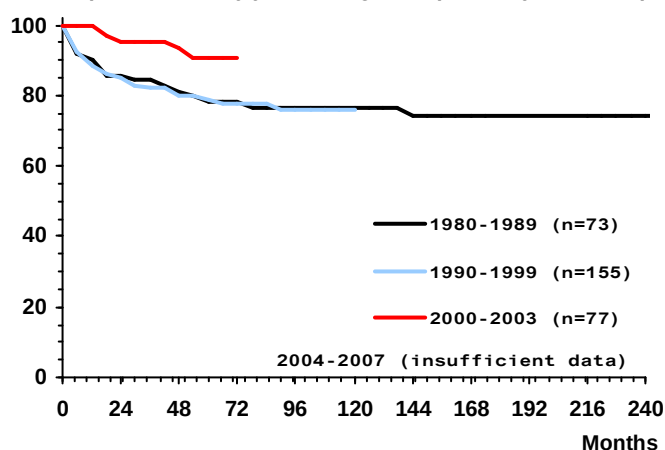
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
37	0.9 %	0.3	4

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

X (a) Intracranial and intraspinal germ cell tumours

SN after X (a)			X (a) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
2	0.3 %	0.8 %	1	0.2 %	0.0 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

No map due to sparse data

Cases in Germany aged under 15 years (1980-2008): 410

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 144 / 18195 = 0.8 %**Relative frequency of trial patients:** 97.2 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	94	50	144
Standardized rate *:	2.0	1.0	1.5
Cumulative incidence:	26	13	19
Sex ratio (m/f):	0.5		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	83	40	5	16
Incidence rate:	11.6	1.3	0.1	0.4

Median age at diagnosis: 0 years 9 months

Survival probabilities:	5-year	10-year	15-year
	97 %	96 %	96 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

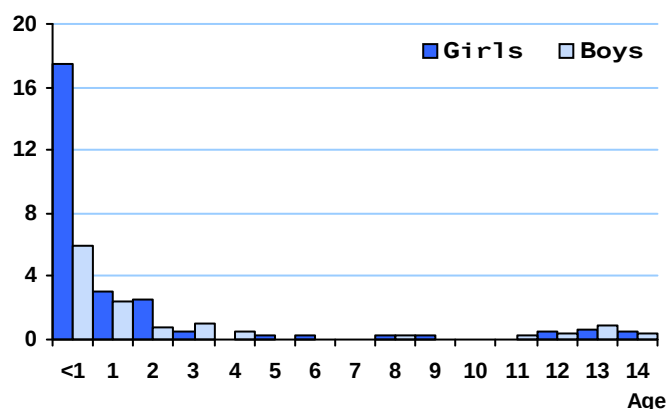
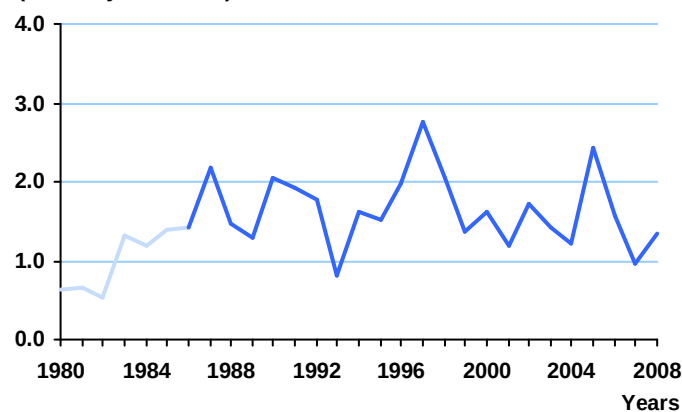
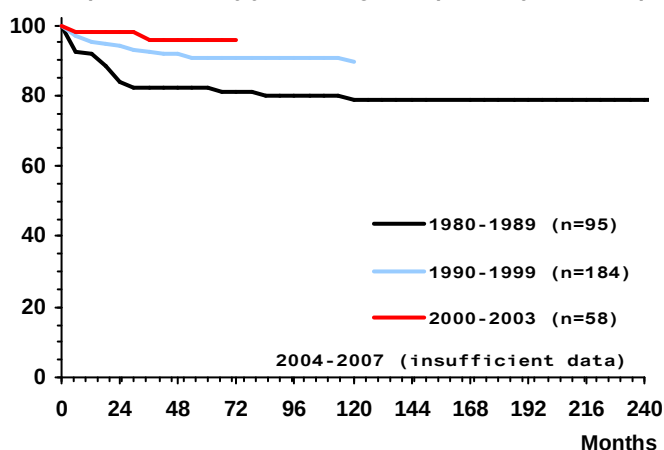
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
18	0.5 %	0.2	2

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

X (b) Malignant extracranial and extragonadal germ cell tumours

SN after X (b)			X (b) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
4	0.6 %	2.0 %	1	0.2 %	0.0 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

No map due to sparse data

Cases in Germany aged under 15 years (1980-2008): 577

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 225 / 18195 = 1.2 %**Relative frequency of trial patients:** 99.6 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	138	87	225
Standardized rate *:	2.0	1.6	1.8
Cumulative incidence:	33	22	28
Sex ratio (m/f):	0.6		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	30	45	36	114
Incidence rate:	4.2	1.5	0.9	2.6

Median age at diagnosis: 10 years 1 month

Survival probabilities:	5-year	10-year	15-year
	99 %	98 %	98 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

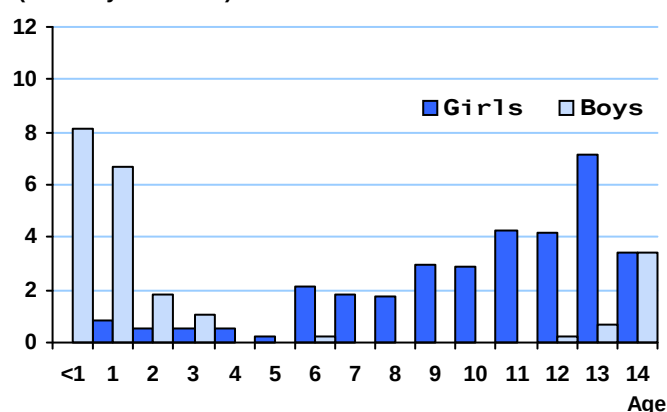
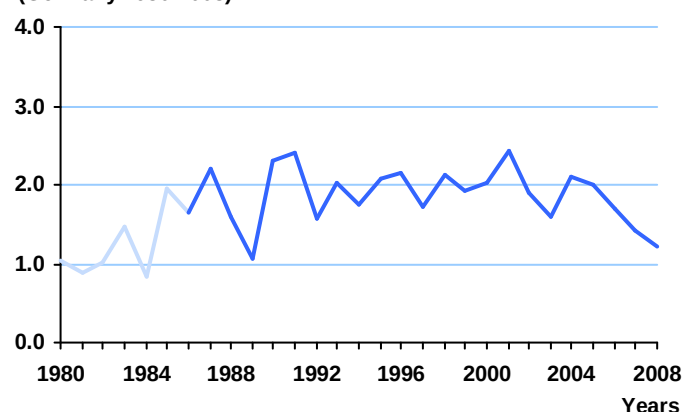
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
8	0.2 %	0.1	1

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

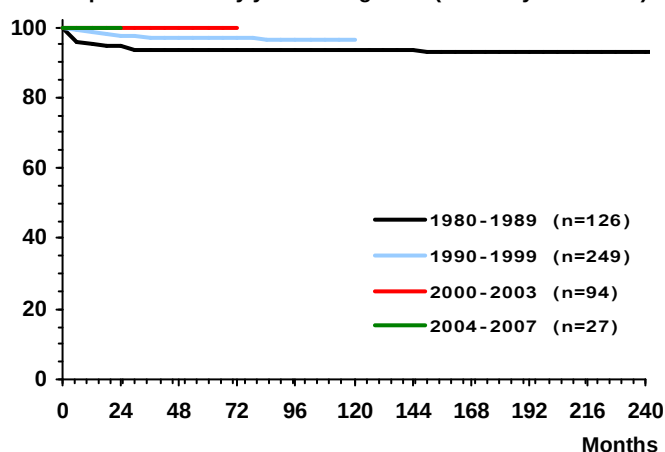
X (c) Malignant gonadal germ cell tumours

SN after X (c)			X (c) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
4	0.6 %	1.5 %	3	0.5 %	0.0 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)**

No map due to sparse data

Survival probabilities by year of diagnosis (Germany 1980-2007)

Cases in Germany aged under 15 years (1980-2008): 60

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 33 / 18195 = 0.2 %**Relative frequency of trial patients:** 93.9 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	23	10	33
Standardized rate *:	0.4	0.2	0.3
Cumulative incidence:	6	3	4
Sex ratio (m/f):	0.4		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	5	13	10	5
Incidence rate:	0.7	0.4	0.2	0.1

Median age at diagnosis: 3 years 7 months

Survival probabilities:	5-year	10-year	15-year
	57 %	-	-

Mortality per million within 10 yrs. of diagnosis (1989-1998):

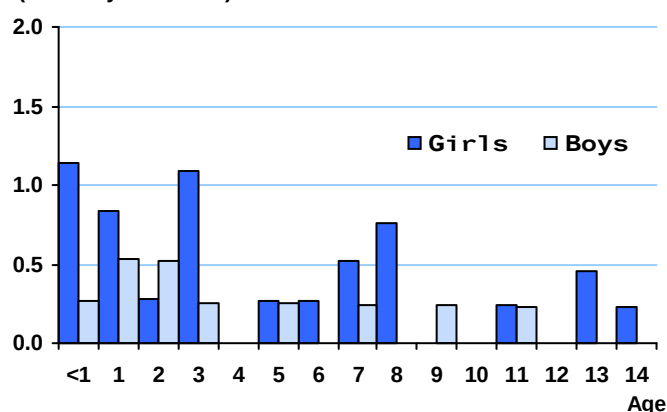
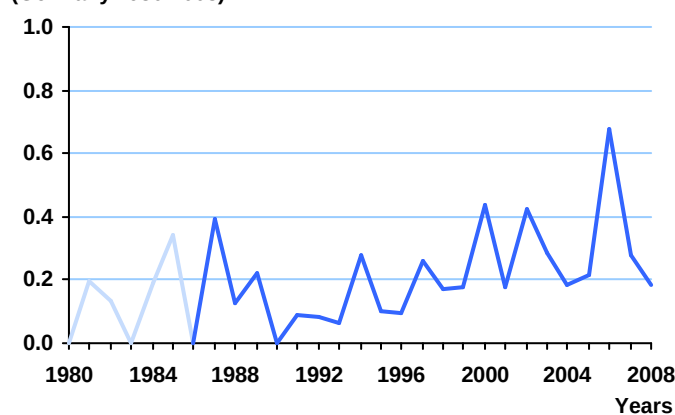
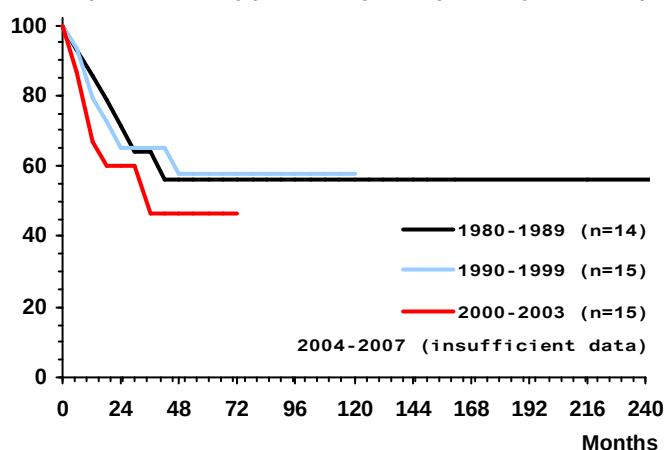
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
6	0.2 %	0.1	1

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

XI (a) Adrenocortical carcinomas

SN after XI (a)			XI (a) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
4	0.6 %	9.1 %	0	0.0 %	0.0 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

No map due to sparse data

Cases in Germany aged under 15 years (1980-2008): 232

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 137 / 18195 = 0.8 %**Relative frequency of trial patients:** 87.6 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	88	49	137
Standardized rate *:	1.3	0.7	1.0
Cumulative incidence:	21	11	16
Sex ratio (m/f):	0.6		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	1	6	30	100
Incidence rate:	0.1	0.2	0.7	2.3

Median age at diagnosis: 12 years 5 months

Survival probabilities:	5-year	10-year	15-year
	94 %	90 %	83 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

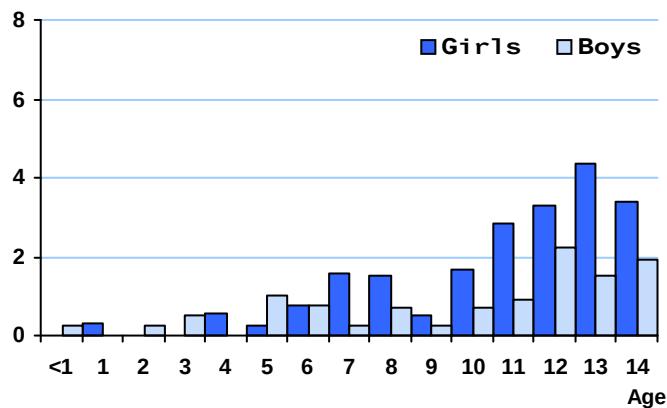
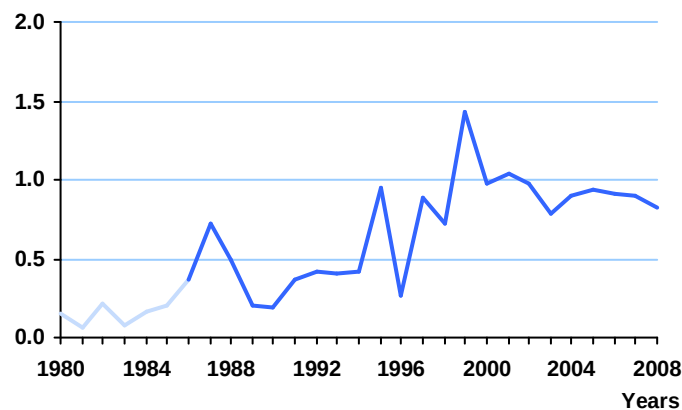
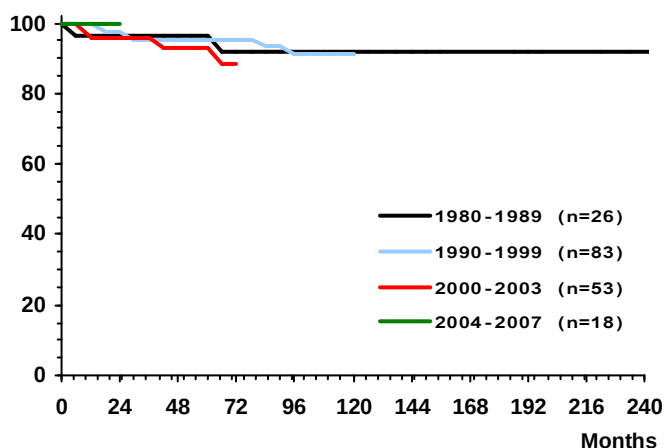
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
6	0.2 %	0.0	1

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

XI (b) Thyroid carcinomas

SN after XI (b)			XI (b) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
1	0.2 %	0.7 %	53	8.2 %	0.4 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

No map due to sparse data

Cases in Germany aged under 15 years (1980-2008): 63

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 26 / 18195 = 0.1 %**Relative frequency of trial patients:** 100.0 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	8	18	26
Standardized rate *:	0.1	0.2	0.2
Cumulative incidence:	2	4	3
Sex ratio (m/f):	2.3		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	0	1	0	25
Incidence rate:	0.0	0.0	0.0	0.6

Median age at diagnosis: 13 years 1 month

Survival probabilities:	5-year	10-year	15-year
	90 %	76 %	76 %

Mortality per million within 10 yrs. of diagnosis (1989-1998):

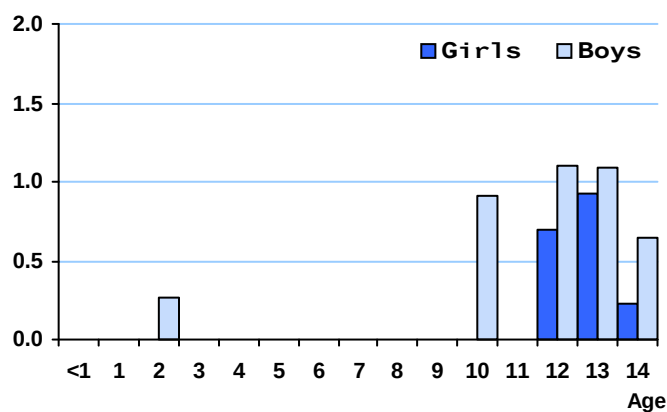
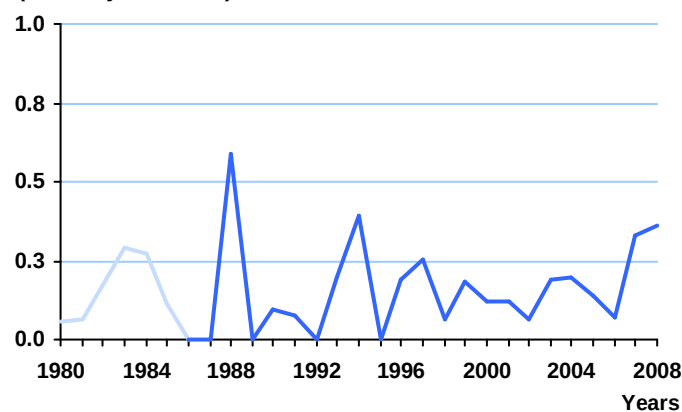
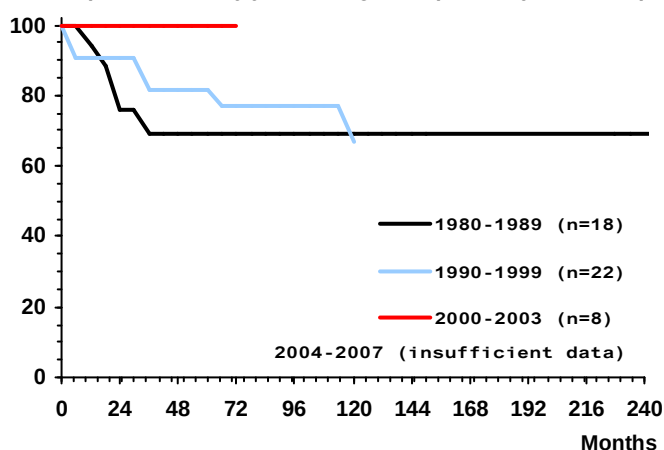
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
6	0.2 %	0.0	1

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

XI (c) Nasopharyngeal carcinomas

SN after XI (c)			XI (c) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
0	0.0 %	0.0 %	2	0.3 %	0.0 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)****Survival probabilities by year of diagnosis (Germany 1980-2007)**

No map due to sparse data

Cases in Germany aged under 15 years (1980-2008): 63

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 36 / 18195 = 0.2 %**Relative frequency of trial patients:** 2.8 %**Incidence rates per million:**

	Girls	Boys	Total
Number of cases:	20	16	36
Standardized rate *:	0.3	0.3	0.3
Cumulative incidence:	5	4	4

Sex ratio (m/f): 0.8**Age-specific incidence rates per million:**

	<1	1-4	5-9	10-14
Number of cases :	2	8	11	15
Incidence rate:	0.3	0.3	0.3	0.3

Median age at diagnosis: 9 years 1 month

Survival probabilities:	5-year	10-year	15-year
	71 %	-	-

Mortality per million within 10 yrs. of diagnosis (1989-1998):

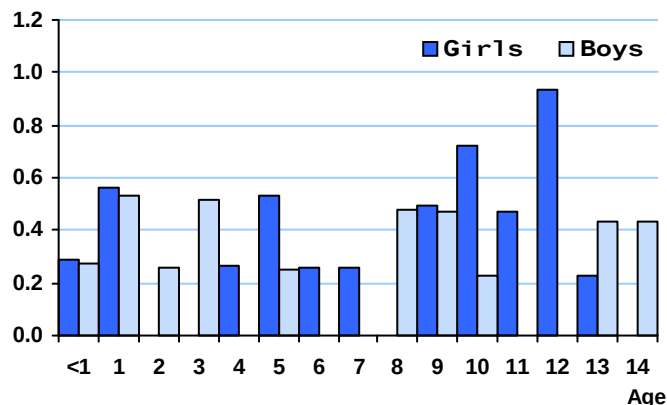
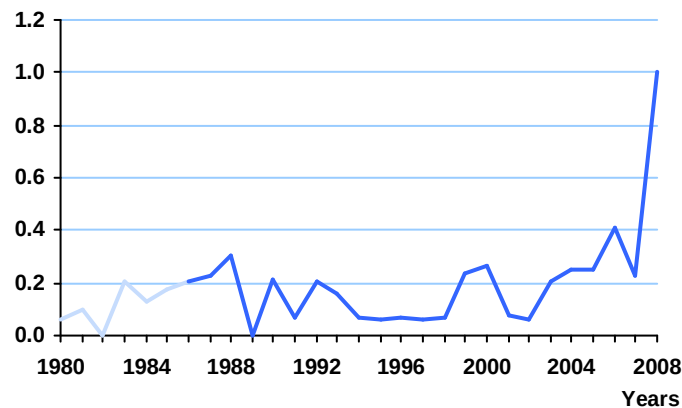
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
9	0.2 %	0.1	1

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

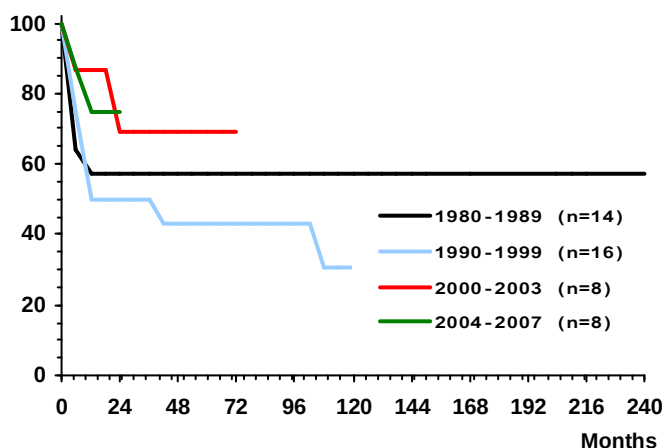
XI (d) Malignant melanomas

SN after XI (d)			XI (d) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
0	0.0 %	0.0 %	12	1.9 %	0.1 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)**

No map due to sparse data

Survival probabilities by year of diagnosis (Germany 1980-2007)

Cases in Germany aged under 15 years (1980-2008): 32

based on International Classification of Childhood Cancer, 3rd edition

Selected characteristics (Germany 1999-2008)**Relative frequency:** 17 / 18195 = 0.1 %**Relative frequency of trial patients:** 64.7 %

Incidence rates per million:	Girls	Boys	Total
Number of cases:	8	9	17
Standardized rate *:	0.1	0.2	0.1
Cumulative incidence:	2	2	2
Sex ratio (m/f):	1.1		

Age-specific incidence rates per million:

	<1	1-4	5-9	10-14
Number of cases :	1	7	4	5
Incidence rate:	0.1	0.2	0.1	0.1

Median age at diagnosis: 6 years 5 months

Survival probabilities:	5-year	10-year	15-year
	84 %	-	-

Mortality per million within 10 yrs. of diagnosis (1989-1998):

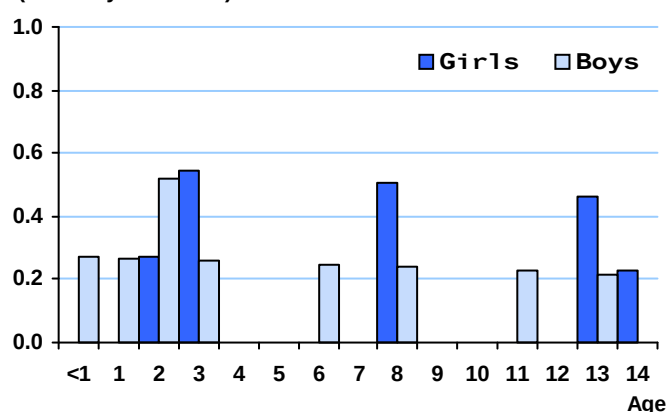
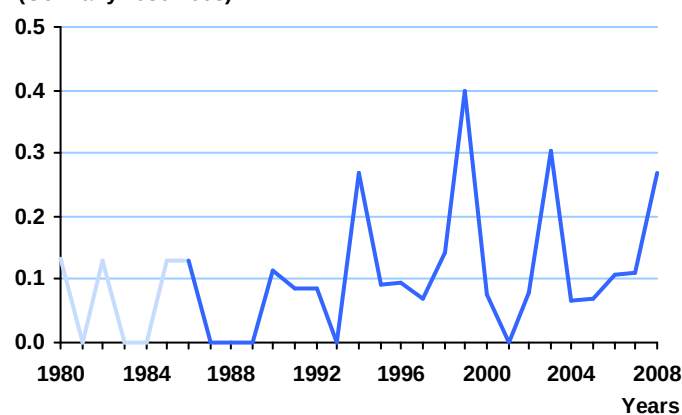
Number of deaths		Standardized* mortality rate	Cumulative mortality
N	% of all 3973 deaths		
3	0.1 %	0.0	0

Second neoplasms (SN) within 20 yrs. of diagnosis (1980-2008):

XII (a) Other specified malignant tumours

SN after XII (a)			XII (a) as SN after any primary		
N	% of all 647 SN	Cumulative incidence	N	% of all 647 SN	Cumulative incidence
1	0.2 %	4.4 %	0	0.0 %	0.0 %

* Standard: Segi world standard population

Age- and sex-specific incidence rates per million (Germany 1999-2008)**Standardized* annual incidence rates per million (Germany 1980-2008)****Standardized* incidence rates per million by districts (Landkreise) (Germany 1999-2008)**

No map due to sparse data

Survival probabilities by year of diagnosis (Germany 1980-2007)