

Munich Cancer Registry



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ICD-10 D33: CNS neoplasm

Survival

Year of diagnosis	1988-1997	1998-2016
Patients	53	1,393
Diseases	53	1,397
Cases evaluated	47	1,206
Creation date	08/22/2018	
Export date	08/09/2018	
Population	4.81 m	



Munich Cancer Registry
Cancer Registry Bavaria - Upper Bavaria Regional Center
at Klinikum Grosshadern/IBE
Marchioninstr. 15
Munich, 81377
Germany

<https://www.tumorregister-muenchen.de/en>

https://www.tumorregister-muenchen.de/en/facts/surv/sD33__E-ICD-10-D33-CNS-neoplasm-survival.pdf

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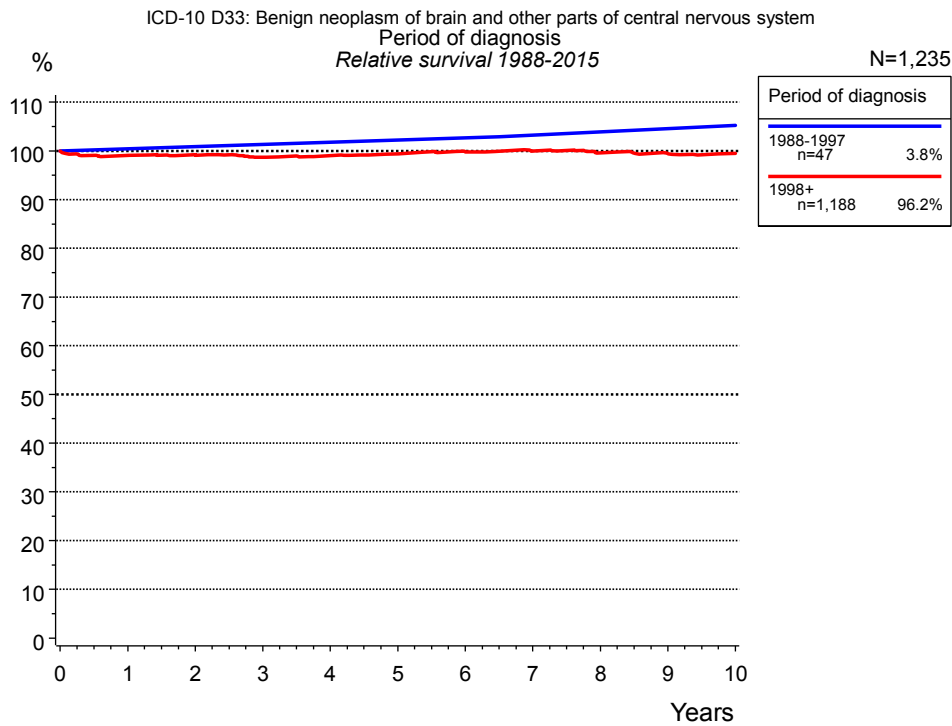


Figure 1a. Relative survival of patients with cNS neoplasm by period of diagnosis. Included in the evaluation are 1,235 cases diagnosed between 1988 and 2015.

The presented survival curves are derived from clinical records with valid follow-up informations, which means that death certificate cases (DCO) cases are omitted from the analysis. With this one restriction, the MCR has provided population-based statistics since 1998, collecting data on all cancer cases in the region of southern Bavaria. Historical data of previous time periods can be heavily selected, therefore, univariate survival comparisons of the presented time periods must be carefully considered. Nonetheless, all calculable survival curves are depicted to facilitate the comparison of long time follow-up analyses of relative survival between particular cancers.

Years	Period of diagnosis			
	1988-1997 n=47		1998+ n=1,188	
	obs. %	rel. %	obs. %	rel. %
0	100.0	100.0	100.0	100.0
1	100.0	100.5	98.1	99.0
2	100.0	100.9	97.3	99.2
3	100.0	101.4	95.8	98.7
4	100.0	101.8	95.0	99.0
5	100.0	102.3	94.4	99.4
6	100.0	102.7	93.6	99.8
7	97.9	103.3	92.5	100.0
8	97.9	103.9	90.9	99.6
9	97.9	104.6	89.6	99.4
10	97.9	105.3	88.3	99.5

Table 1b. Observed (obs.) and relative (rel.) survival of patients with cNS neoplasm by period of diagnosis for period 1988-2015 (N=1,235).

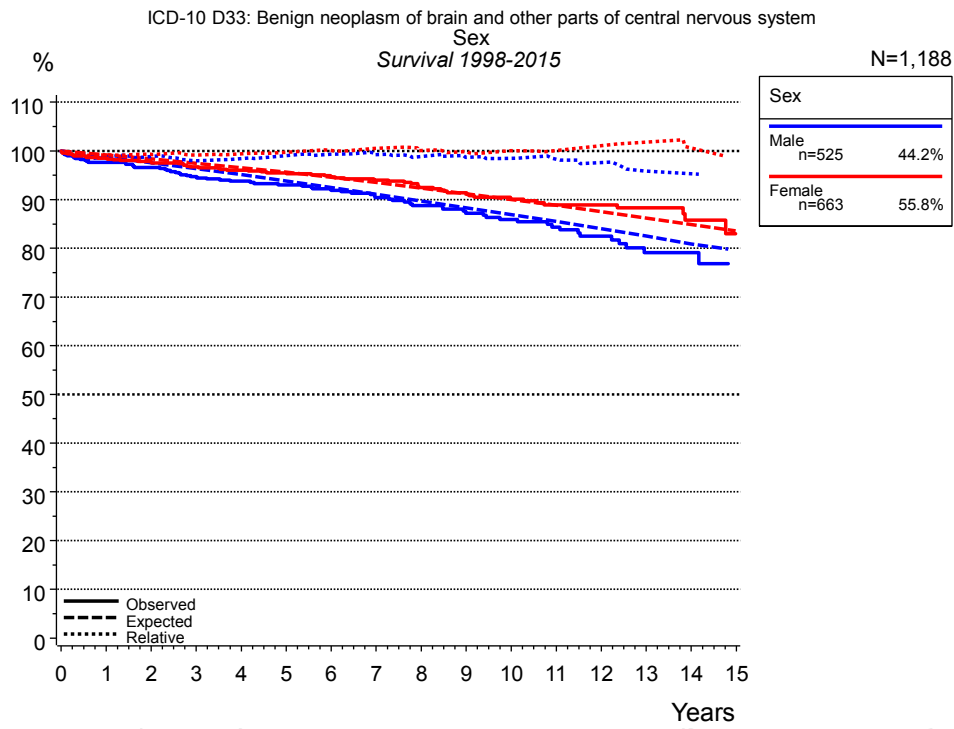


Figure 2a. Survival of patients with cNS neoplasm by sex. Included in the evaluation are 1,188 cases diagnosed between 1998 and 2015.

Years	Sex			
	Male n=525		Female n=663	
	obs. %	rel. %	obs. %	rel. %
0	100.0	100.0	100.0	100.0
1	97.6	98.7	98.5	99.2
2	96.6	98.8	97.8	99.3
3	94.7	98.0	96.7	99.1
4	93.8	98.4	96.0	99.3
5	93.0	99.0	95.5	99.7
6	92.2	99.4	94.7	100.1
7	90.4	99.2	94.0	100.5
8	88.8	98.9	92.5	100.1
9	87.2	98.7	91.4	99.8
10	85.9	98.4	90.1	100.0
11	84.4	98.3	88.9	100.0
12	82.5	97.6	88.9	101.1
13	79.1	95.8	88.3	101.8
14	79.1	95.3	85.8	100.6
15			82.9	97.5

Table 2b. Observed (obs.) and relative (rel.) survival of patients with cNS neoplasm by sex for period 1998-2015 (N=1,188).

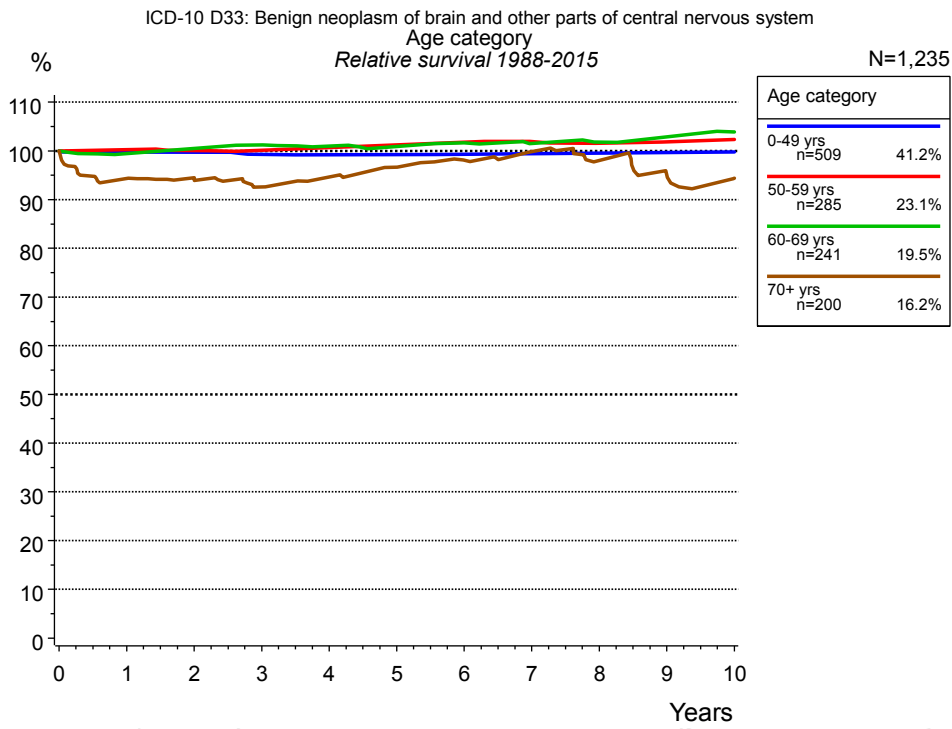


Figure 3a. Relative survival of patients with CNS neoplasm by age category. Included in the evaluation are 1,235 cases diagnosed between 1988 and 2015.

Years	Age category							
	0-49 yrs n=509		50-59 yrs n=285		60-69 yrs n=241		70+ yrs n=200	
	obs. %	rel. %	obs. %	rel. %	obs. %	rel. %	obs. %	rel. %
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1	99.8	99.8	100.0	100.3	98.3	99.4	91.4	94.3
2	99.6	99.8	99.3	100.1	98.3	100.5	88.3	94.5
3	98.9	99.3	98.5	100.1	97.8	101.2	83.1	92.6
4	98.7	99.2	98.5	100.7	96.0	101.0	81.4	94.6
5	98.7	99.3	98.5	101.2	94.4	100.9	79.7	96.7
6	98.4	99.3	98.5	101.8	93.9	101.6	76.5	98.1
7	98.4	99.5	97.5	101.9	91.6	101.5	73.7	99.8
8	98.4	99.6	96.4	101.6	90.2	101.8	68.3	98.0
9	98.4	99.7	95.7	101.8	89.5	102.9	62.7	95.0
10	98.0	99.8	95.7	102.3	88.6	103.9	57.7	94.4

Table 3b. Observed (obs.) and relative (rel.) survival of patients with CNS neoplasm by age category for period 1988-2015 (N=1,235).

Shortcuts

MCR Munich Cancer Registry, Germany

NCI National Cancer Institute, USA

SEER Surveillance, Epidemiology, and End Results, USA

UICC Union for International Cancer Control, Geneva

DCO Death certificate only Death certificate provides the only notification to the registry.

NA Not available

NOS Not otherwise specified

OS Overall/Observed survival Overall/Observed survival (Kaplan-Meier estimate)
Date of entry: diagnosis
Event: death from any cause

RS Relative survival Survival compared to “general population”,
ratio of observed to expected survival (Ederer II method),
reflecting cancer specific survival

AS Assembled survival Assembled chart of
observed, expected, relative survival

CS Conditional survival Survival probability under the condition of surviving
a given period of time

TTP Time to progression Time to first progression / relapse
Date of entry: diagnosis
Event: (progression / relapse): first local-, lymph node recurrence,
distant metastasis or unspecified progression

1-KM 1 minus Kaplan-Meier estimator
 (“inverse” Kaplan-Meier estimator)

CI Cumulative incidence
Death as competing risk (according to Kalbfleisch und Prentice)

PPS Post-progression survival Survival since first progression / relapse (Kaplan-Meier estimate)
Date of entry (progression / relapse): first local-, lymph node
recurrence, distant metastasis or unspecified progression
Event: death from any cause

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