Munich Cancer Registry

ICD-10 D46: Myelodysplastic syndrome

Survival

Year of diagnosis	1988-1997	1998-2014
Patients	71	2,342
Diseases	71	2,346
Cases evaluated	55	791
Creation date	04/11/2016	
Export date	12/23/2015	
Population	4.64 m	

BERLIN

GERMANY

BAVARIA

MUNICH

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http://www.tumorregister-muenchen.de/en

http://www.tumorregister-muenchen.de/en/facts/surv/sD46__E-ICD-10-D46-Myelodysplastic-syndrome-survival.pdf

ICD-10 D46: Myelodysplastic syndrome
Period of diagnosis
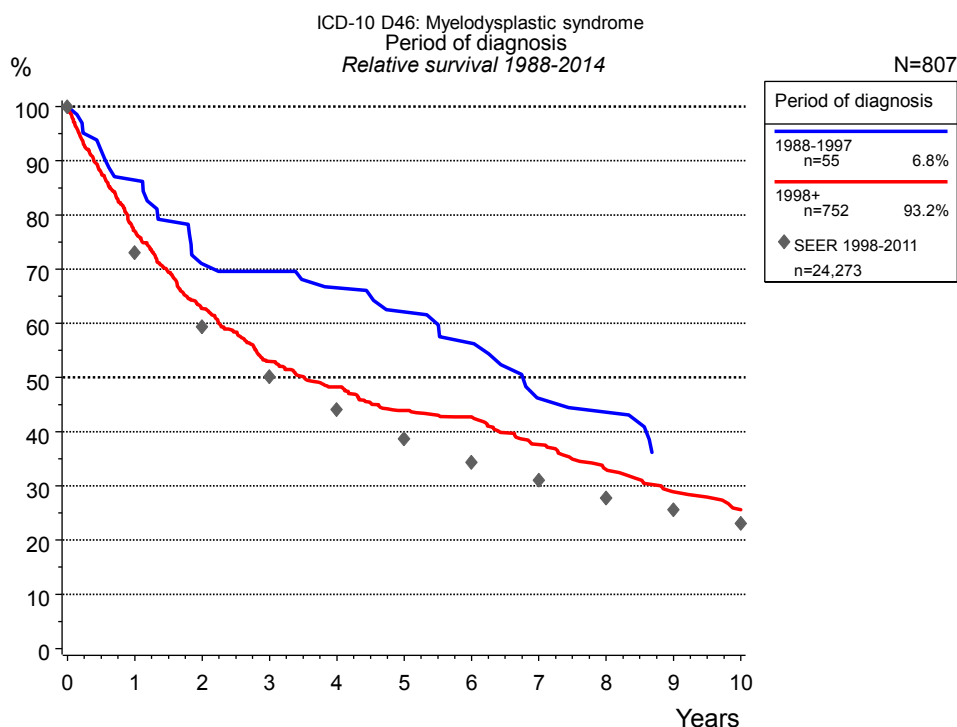*Relative survival 1988-2014*

Figure 1a. Relative survival of patients with myelodysplastic syndrome by period of diagnosis. Included in the evaluation are 807 cases diagnosed between 1988 and 2014.

The survival results of the SEER program (Surveillance, Epidemiology, and End Results) of the American National Cancer Institute (NCI) are summarized as the period of diagnosis from 1998 to 2011, and are represented by gray diamonds in order to facilitate comparisons between MCR and SEER.

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.

| | Period of diagnosis | | | |
| | 1988-1997 n=55 | | 1998+ n=752 | |
Years	obs. %	rel. %	obs. %	rel. %
0	100.0	100.0	100.0	100.0
1	85.5	86.5	73.9	77.0
2	67.3	71.0	58.2	62.8
3	65.5	69.6	47.5	53.0
4	60.0	66.6	42.0	48.2
5	54.5	62.1	37.0	43.9
6	48.9	56.4	35.2	42.7
7	37.6	46.2	30.1	37.6
8	35.7	43.6	25.9	33.0
9	28.2	35.4	22.0	28.9
10			19.3	25.6

Table 1b. Observed (obs.) and relative (rel.) survival of patients with myelodysplastic syndrome by period of diagnosis for period 1988-2014 (N=807).
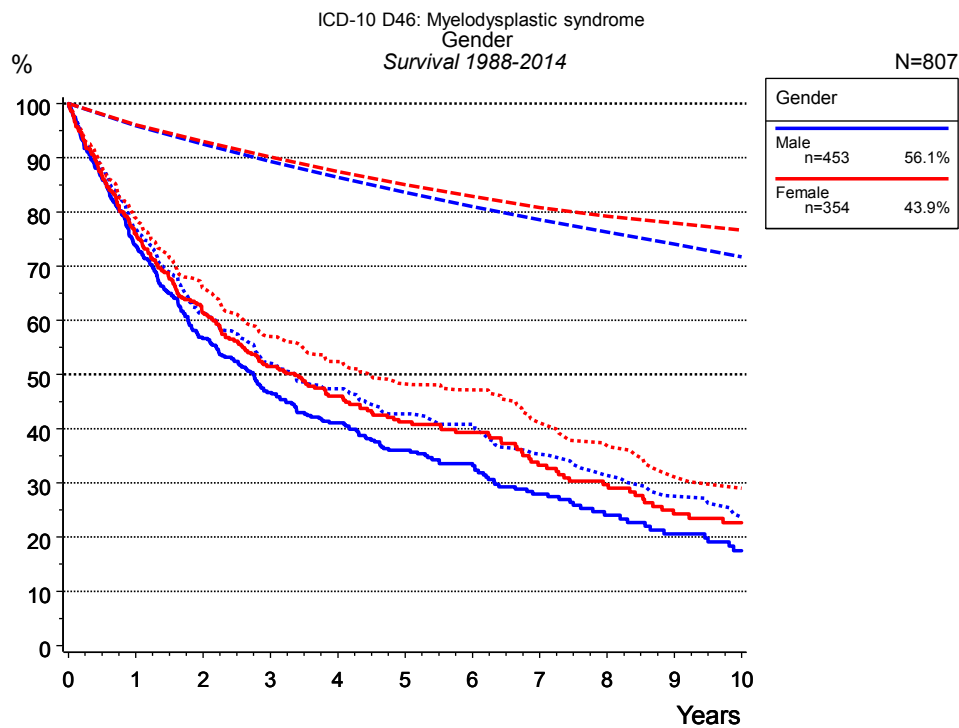
ICD-10 D46: Myelodysplastic syndrome
Gender
Survival 1988-2014

Figure 2a. Survival of patients with myelodysplastic syndrome by gender. Included in the evaluation are 807 cases diagnosed between 1988 and 2014.

	Gender			
	Male n=453		Female n=354	
Years	obs. %	rel. %	obs. %	rel. %
0	100.0	100.0	100.0	100.0
1	73.7	76.8	76.1	78.9
2	56.7	61.2	61.4	65.9
3	46.7	52.1	51.5	57.0
4	41.1	47.4	46.1	52.4
5	36.0	42.7	41.3	48.3
6	33.6	40.8	39.4	47.2
7	27.9	35.3	33.3	41.1
8	24.1	31.4	29.7	36.9
9	20.6	27.5	24.3	31.1
10	17.5	23.7	22.6	29.0

Table 2b. Observed (obs.) and relative (rel.) survival of patients with myelodysplastic syndrome by gender for period 1988-2014 (N=807).

ICD-10 D46: Myelodysplastic syndrome
Age category
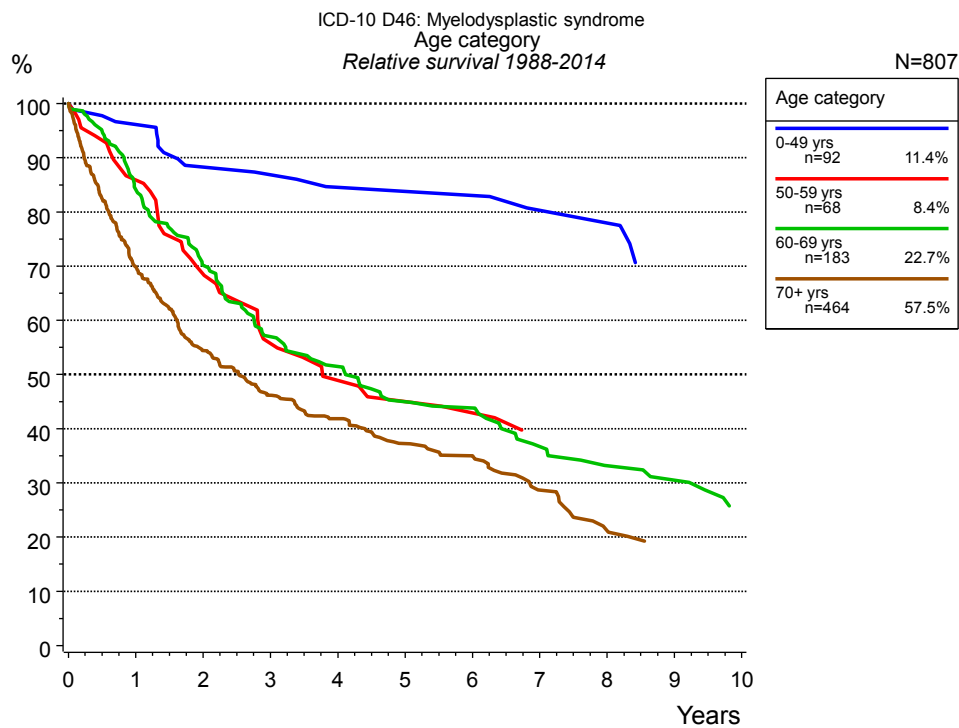*Relative survival 1988-2014*

Figure 3a. Relative survival of patients with myelodysplastic syndrome by age category. Included in the evaluation are 807 cases diagnosed between 1988 and 2014.

	Age category							
	0-49 yrs n=92		50-59 yrs n=68		60-69 yrs n=183		70+ yrs n=464	
Years	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	96.6	96.1	86.2	85.9	83.4	84.1	65.5	69.8
2	88.4	88.3	69.0	68.5	68.1	70.1	48.0	54.4
3	87.1	86.9	55.6	55.7	54.6	57.0	38.4	46.2
4	84.3	84.5	48.4	48.9	48.6	51.5	32.8	41.9
5	84.3	83.8	44.5	45.0	41.8	45.0	27.3	37.3
6	84.3	83.1	42.4	42.9	40.2	43.8	24.2	35.0
7	80.0	80.3	37.7	38.8	32.8	36.7	18.2	28.7
8	80.0	78.0			28.6	33.2	13.0	21.2
9	69.8	69.8			26.4	30.5		
10	69.8	68.4			21.2	25.6		

Table 3b. Observed (obs.) and relative (rel.) survival of patients with myelodysplastic syndrome by age category for period 1988-2014 (N=807).

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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