Munich Cancer Registry



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Munich Cancer Registry at Munich Cancer Center Marchioninistr. 15 Munich, 81377 Germany

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

Cancer statistics: Survival

CLL: Chronic lymph. leukaemia

Year of diagnosis	1988-2013
Patients	3,419
Diseases	3,423
Cases evaluated	1,467
Creation date	05/13/2015
Export date	12/30/2014
Population	4.64 m



http://www.tumorregister-muenchen.de/en/facts/surv/surv_C911_E.pdf

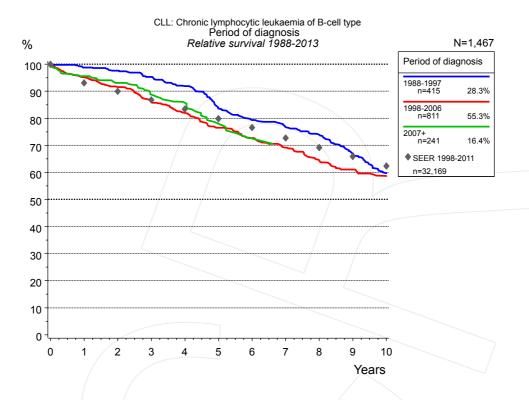


Figure 1a. Relative survival of patients with chronic lymph. leukaemia by period of diagnosis. Included in the evaluation are 1,467 cases diagnosed between 1988 and 2013.

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 1988, 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	1998-	2006	200)7+
	n=4	115	n=8	311	n=2	241
Years	obs. %	rel. %	obs. %	rel. %	obs. %	rel. %
0	100.0	100.0	100.0	100.0	100.0	100.0
1	96.1	98.8	92.6	95.2	92.7	95.6
2	92.5	97.6	86.6	91.6	87.3	93.1
3	88.2	95.3	79.2	85.9	80.8	88.7
4	82.6	91.9	73.8	82.0	76.2	85.7
5	72.9	83.6	67.3	76.5	67.9	78.0
6	67.3	79.4	62.4	72.7	61.5	72.5
7	63.5	76.7	58.0	69.2		
8	59.6	73.9	52.8	64.5		
9	52.5	67.0	49.0	61.1		
10	45.5	59.7	45.5	58.6		

Table 1b. Observed (obs.) and relative (rel.) survival of patients with chronic lymph. leukaemia by period of diagnosis for period 1988-2013 (N=1,467).

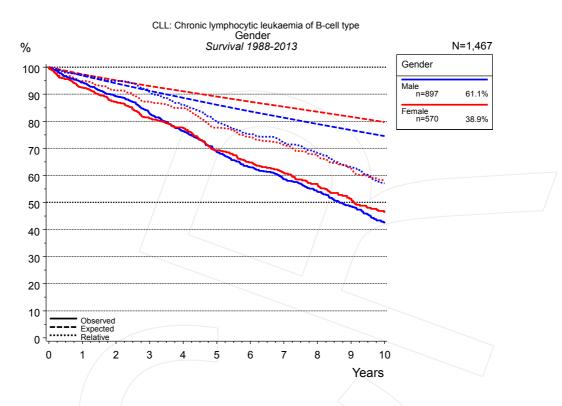


Figure 2a. Survival of patients with chronic lymph. leukaemia by gender. Included in the evaluation are 1,467 cases diagnosed between 1988 and 2013.

Gender								
	Ma	ale	Female					
	n=8	397	n=570					
Years	obs. %	rel. %	obs. %	rel. %				
0	100.0	100.0	100.0	100.0				
1	94.3	97.2	92.5	94.9				
2	89.2	94.9	87.2	91.5				
3	82.9	90.7	81.0	87.1				
4	76.4	86.0	77.5	84.9				
5	68.7	79.7	69.3	77.6				
6	63.0	75.2	64.8	74.1				
7	58.5	72.0	61.0	71.2				
8	54.0	68.2	56.9	67.7				
9	48.5	63.1	51.4	62.5				
10	42.6	57.0	46.4	58.1				

Table 2b. Observed (obs.) and relative (rel.) survival of patients with chronic lymph. leukaemia by gender for period 1988-2013 (N=1,467).

Munich Cancer Registry 05/13/2015 surv_C911_E.pdf

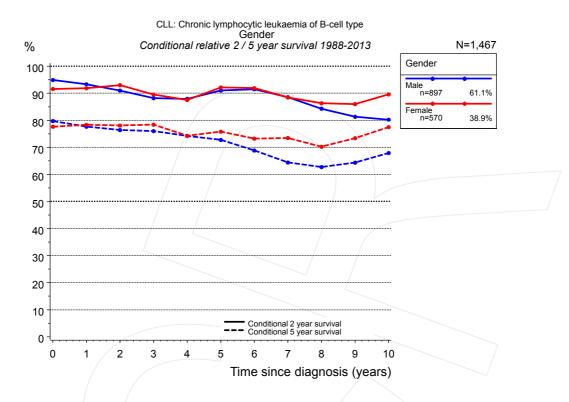


Figure 2c. Conditional relative 2 / 5-year survival of patients with chronic lymph. leukaemia by gender. For 1,467 of 1,467 cases diagnosed between 1988 and 2013 valid data could be obtained for this item.

	Gender							
		Male		Female				
		Cond. s	surv. %	Cond. surv. %				
Years	n	2 yrs	5 yrs	n	2 yrs	5 yrs		
0	897	94.9	79.7	570	91.5	77.6		
1	803	93.3	77.6	504	91.9	78.3		
2	720	91.0	76.4	451	93.0	78.1		
3	626	88.2	76.0	391	89.5	78.4		
4	531	87.9	74.2	338	87.5	74.3		
5	422	91.0	72.7	280	92.1	75.8		
6	341	91.5	68.8	232	91.9	73.2		
7	296	88.5	64.4	200	88.4	73.5		
8	253	84.3	62.7	172	86.3	70.2		
9	212	81.3	64.4	140	86.0	73.4		
10	168	80.2	67.9	113	89.6	77.5		

Table 2d. Conditional relative 2 / 5-year survival of patients with chronic lymph. leukaemia by gender for period 1988-2013 (N=1,467).

Conditional relative survival rates refer to the relative survival probability, in this case for 2 and 5 years after cancer diagnosis, compared to the age- and sex-matched population (=100%) under the condition of being alive for a certain time period (x-axis in Figure 2a). The results illustrate to what extent the cancer induced mortality of particular subgroups declines in the subsequent years after detection of the malignancy. For instance, according to the presented survival statistics, patients in the subgroup gender="Male", who are alive at least 3 years after cancer diagnosis, the conditional relative 2-year survival rate is 88.2% (n=626).

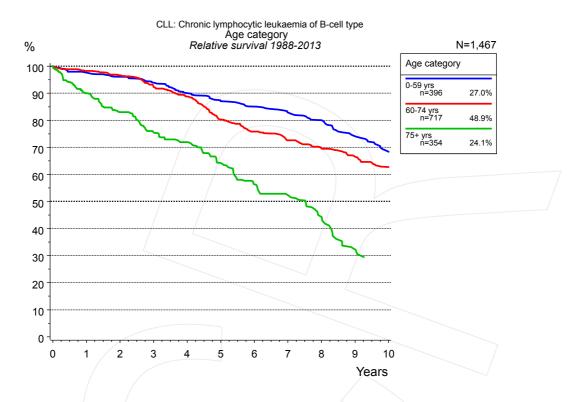


Figure 3a. Relative survival of patients with chronic lymph. leukaemia by age category. Included in the evaluation are 1,467 cases diagnosed between 1988 and 2013.

Age category								
	0-59	yrs	60-74	4 yrs	75+ yrs			
	n=396		n=7	17	n=354			
Years	obs. %	rel. %	obs. %	rel. %	obs. %	rel. %		
0	100.0	100.0	100.0	100.0	100.0	100.0		
1	97.2	97.6	96.5	98.3	83.5	90.0		
2	95.1	96.1	92.9	96.6	71.2	83.1		
3	92.3	93.9	86.9	92.3	59.7	75.5		
4	87.9	90.1	81.5	88.8	53.0	71.9		
5	84.2	87.1	71.9	80.3	42.5	64.2		
6	81.8	85.1	66.2	75.8	33.9	56.4		
7	78.9	82.9	61.5	72.6	28.7	52.3		
8	75.7	80.0	57.3	69.6	22.0	44.3		
9	69.3	74.1	52.9	66.5	14.4	32.2		
10	63.1	68.4	48.1	62.7				
7 8 9	78.9 75.7 69.3	82.9 80.0 74.1	61.5 57.3 52.9	72.6 69.6 66.5	28.7 22.0	52.3 44.3		

Table 3b. Observed (obs.) and relative (rel.) survival of patients with chronic lymph. leukaemia by age category for period 1988-2013 (N=1,467).

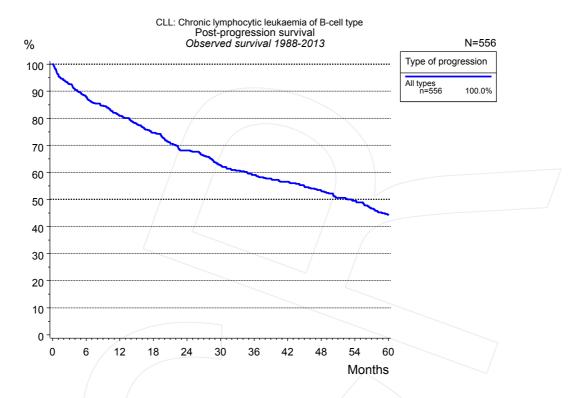


Figure 5a. Observed post-progression survival of 556 patients with chronic lymph. leukaemia diagnosed between 1988 and 2013 (incl. M1). These 556 patients with documented progression events during their course of disease represent 37.9% of the totally 1,467 evaluated cases. Patients with cancer relapse documented via death certificates only were excluded (n=104, 7.1%).

Medical record documentation often lacks the linguistic severity to distinguish between local relapse, regional lymph node metastasis and distant spread in solid cancers. Frequently, the statement "not specified" is the only information in registries regarding relapse of the disease. The category "All types" denotes all cases who suffered from at least one relapse during the course of disease (incl. primary M1-status). Although, the real number of relapsed patients is likely to be much higher. The accumulated percentage of patients with local relapse or distant metastasis exceeds the 100% value because patients are potientially considered in more than one subgroup.

Type of progression				
	All types			
	n=556			
Months	%			
0	100.0			
12	80.9			
24	68.1			
36	59.1			
48	53.2			
60	44.3			

Table 5b. Observed post-progression survival of patients with chronic lymph. leukaemia for period 1988-2013 (N=556).

Shortcuts

MCR N	/lunich Cancer	Registry,	Germany	(Tumorregister	München)
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NCI National Cancer Institute, USA

SEER Surveillance, Epidemiology, and End Results, USA UICC Union for International Cancer Control, Geneva

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

NA Not available

NOS Not otherwise specified

OS Observed/overall survival (Kaplan-Meier estimate)
RS Relative survival, compared to the general population,
ratio of observed to expected survival (Ederer II method),

roflecting evenes mertality among concernationts

reflecting excess mortality among cancer patients
Assembled survival chart (observed, expected, relative)

AS Assembled survival chart (observed, expected, relative)
PPS Post-progression survival, survival since first relapse (Kaplan-Meier estimate)

Date of entry: Date of first locoregional recurrence, distant metastasis, unspecified

progression

Event: Death of all causes

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

Recommended Citation

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