

# Munich Cancer Registry



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## ICD-10 C14: Other oral and pharynx cancer

### Survival

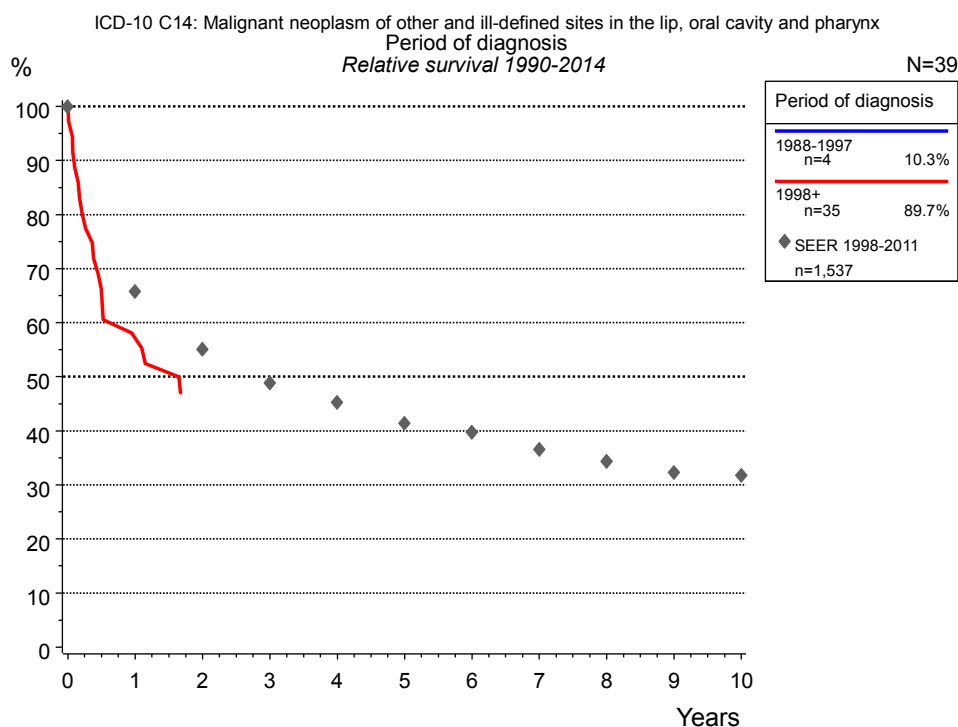
Year of diagnosis	1990-1997	1998-2014
Patients	4	99
Diseases	4	99
Cases evaluated	4	36
Creation date	04/11/2016	
Export date	12/23/2015	
Population	4.64 m	



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

[http://www.tumorregister-muenchen.de/en/facts/surv/sC14\\_\\_E-ICD-10-C14-Other-oral-and-pharynx-cancer-survival.pdf](http://www.tumorregister-muenchen.de/en/facts/surv/sC14__E-ICD-10-C14-Other-oral-and-pharynx-cancer-survival.pdf)



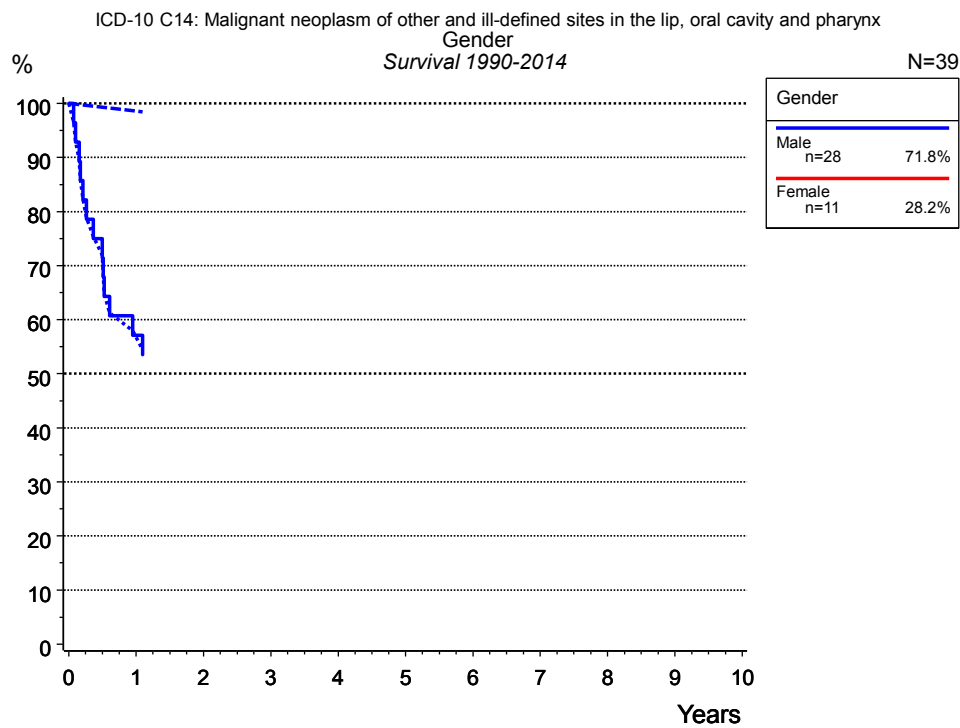
**Figure 1a.** Relative survival of patients with other oral and pharynx cancer by period of diagnosis. Included in the evaluation are 39 cases diagnosed between 1990 and 2014. Subgroups with sample size <15 are dropped from the chart.

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=4		1998+ n=35	
Years	obs. %	rel. %	obs. %	rel. %
0	100.0	100.0	100.0	100.0
1			57.1	57.1
2			45.7	44.7

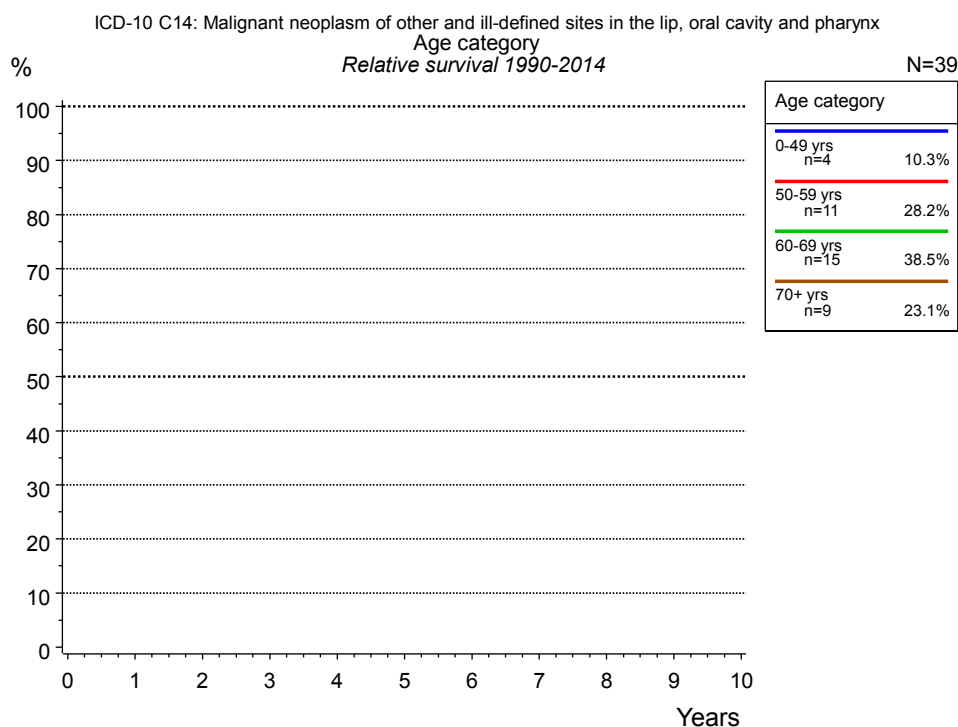
**Table 1b.** Observed (obs.) and relative (rel.) survival of patients with other oral and pharynx cancer by period of diagnosis for period 1990-2014 (N=39).



**Figure 2a.** Survival of patients with other oral and pharynx cancer by gender. Included in the evaluation are 39 cases diagnosed between 1990 and 2014. Subgroups with sample size <15 are dropped from the chart.

Years	Gender			
	Male n=28		Female n=11	
	obs. %	rel. %	obs. %	rel. %
0	100.0	100.0	100.0	100.0
1	57.1	56.7		

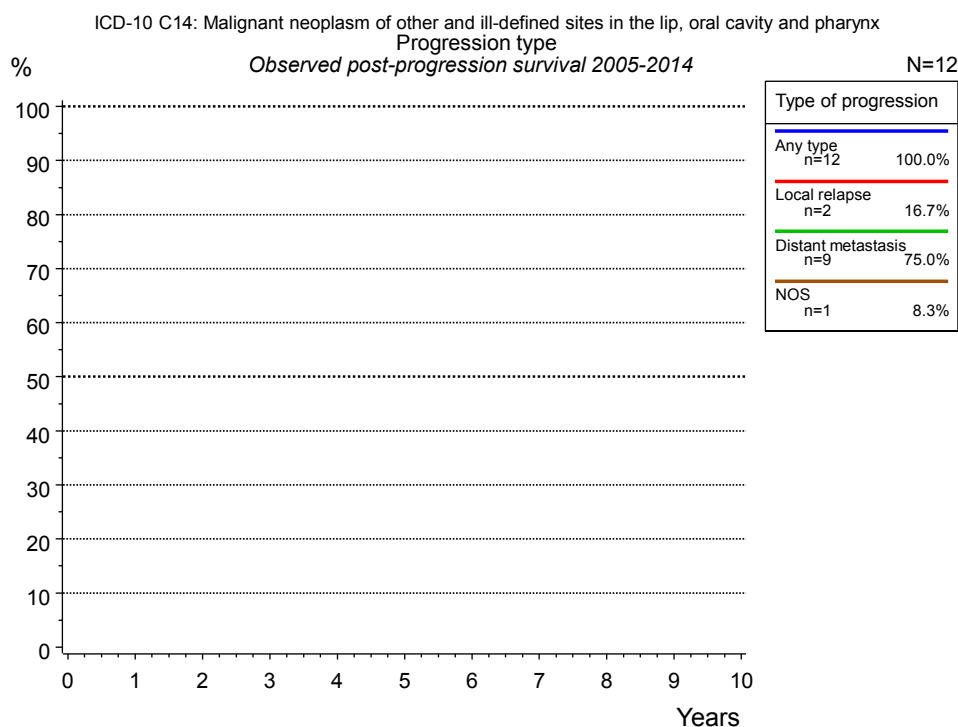
**Table 2b.** Observed (obs.) and relative (rel.) survival of patients with other oral and pharynx cancer by gender for period 1990-2014 (N=39).



**Figure 3a.** Relative survival of patients with other oral and pharynx cancer by age category. Included in the evaluation are 39 cases diagnosed between 1990 and 2014. Subgroups with sample size <15 are dropped from the chart.

		Age category							
		0-49 yrs n=4		50-59 yrs n=11		60-69 yrs n=15		70+ yrs n=9	
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

**Table 3b.** Observed (obs.) and relative (rel.) survival of patients with other oral and pharynx cancer by age category for period 1990-2014 (N=39).



**Figure 5c.** Observed post-progression survival of 12 patients with other oral and pharynx cancer diagnosed between 2005 and 2014. These 12 patients with documented progression events during their course of disease represent 34.3 % of the totally 35 evaluated cases (incl. M1, n=5, 14.3 %). Patients with cancer relapse documented via death certificates only were excluded (n=9, 25.7 %). Multiple progression types on different sites are included in the evaluation even when not occurring synchronously. The NOS (not otherwise specified) class is included under the condition, that it is the one and only progression type during the course of disease. Subgroups with sample size <15 are dropped from the chart.

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 “Any type” 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 potentially considered in more than one subgroup.

Years	Type of progression			
	Any type n=12 %	Local relapse n=2 %	Distant metastasis n=9 %	NOS n=1 %
0	100.0	100.0	100.0	100.0

**Table 5d.** Observed post-progression survival of patients with other oral and pharynx cancer for period 2005-2014 (N=12).

## 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

## Recommended Citation

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