Munich Cancer Registry



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Mammarian Paget disease

Survival

Year of diagnosis	1998-2020
Patients	316
Diseases	316
Cases evaluated	263
Creation date	04/27/2022
Database export	12/20/2021
Population (females)	2.48 m



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

https://www.tumorregister-muenchen.de/en/facts/surv/sMPDf_E-Mammarian-Paget-disease-survival.pdf

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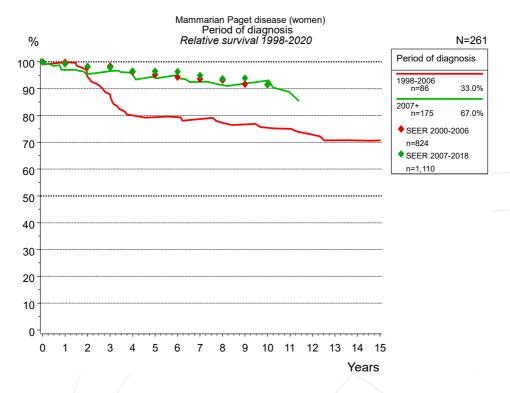


Figure 1a. Relative survival of patients with mammarian Paget disease by period of diagnosis. Included in the evaluation are 261 cases diagnosed between 1998 and 2020.

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.

l			gnosis	
	1998-	-2006	2007+	
	n=	86	n=1	175
Years	obs. %	rel. %	obs. %	rel. %
0	100.0	100.0	100.0	100.0
1	97.7	99.9	94.0	96.9
2	90.6	94.4	90.0	95.4
3	83.5	87.9	89.3	96.5
4	74.1	80.0	85.4	95.2
5	71.7	79.3	82.0	94.0
6	70.5	79.4	78.9	93.9
7	68.1	78.7	76.4	92.6
8	65.7	77.2	73.4	91.3
9	63.3	76.7	71.8	91.9
10	60.6	75.4	71.8	93.0
11	59.3	75.0	64.5	88.4
12	55.3	72.8		
13	52.5	70.7		
14	51.2	70.7		
15	49.7	70.7		
Median	14.6			

Table 1b. Observed (obs.) and relative (rel.) survival of patients with mammarian Paget disease by period of diagnosis for period 1998-2020 (N=261).



Figure 2a. Observed, expected and relative survival of the total cohort with mammarian Paget disease. Included in the evaluation are 261 cases diagnosed between 1998 and 2020.

Group		
	All pa	tients
	n=2	261
Years	obs. %	rel. %
0	100.0	100.0
1	95.2	98.0
2	90.1	95.0
3	87.1	93.7
4	81.1	89.6
5	78.0	88.6
6	75.8	88.8
7	73.4	87.7
8	70.6	86.4
9	68.4	86.2
10	66.7	86.0
11	63.2	84.2
12	58.4	79.9
13	56.4	78.5
14	55.1	78.5
15	53.5	78.5
Median	19.0	

Table 2b. Observed (obs.) and relative (rel.) survival of the total cohort with mammarian Paget disease for period 1998-2020 (N=261).

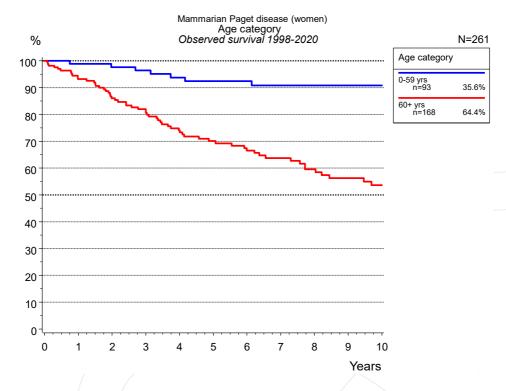


Figure 3a. Observed survival of patients with mammarian Paget disease by age category. Included in the evaluation are 261 cases diagnosed between 1998 and 2020.

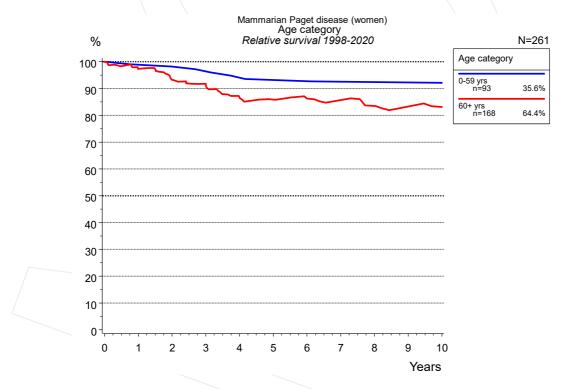


Figure 3b. Relative survival of patients with mammarian Paget disease by age category. Included in the evaluation are 261 cases diagnosed between 1998 and 2020.

Age category						
	0-59	yrs (60+	yrs		
	n=	93	n=1	168		
Years	obs. %	rel. %	obs. %	rel. %		
0	100.0	100.0	100.0	100.0		
1	98.9	98.9	93.2	97.3		
2	97.7	98.2	86.0	93.2		
3	96.4	96.4	82.0	91.8		
4	93.8	94.1	74.1	86.7		
5	92.4	93.2	70.1	85.9		
6	92.4	92.7	66.6	86.3		
7	90.8	92.6	63.7	85.7		
8	90.8	92.4	59.5	83.5		
9	90.8	92.3	56.2	83.3		
10	90.8	92.1	53.6	83.1		
Median			11.0	/		

Table 3c. Observed (obs.) and relative (rel.) survival of patients with mammarian Paget disease by age category for period 1998-2020 (N=261).



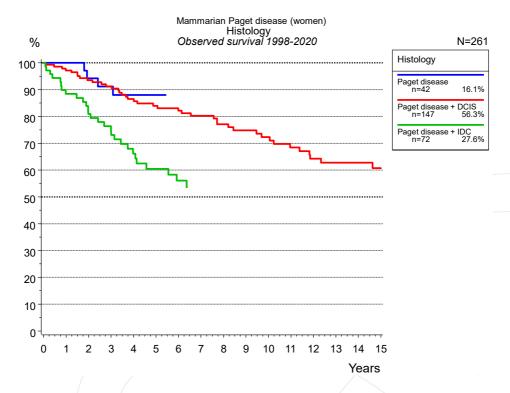


Figure 4a. Observed survival of patients with mammarian Paget disease by histology. For 261 of 261 cases diagnosed between 1998 and 2020 valid data could be obtained for this item.

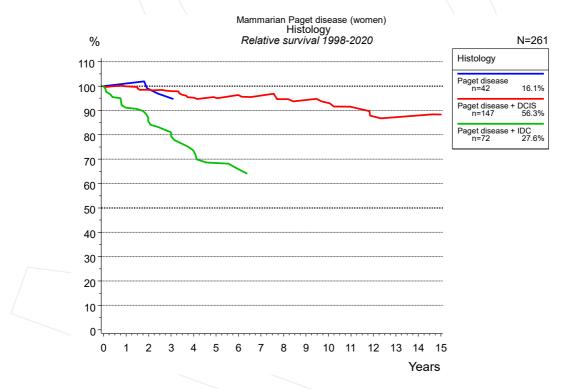


Figure 4b. Relative survival of patients with mammarian Paget disease by histology. For 261 of 261 cases diagnosed between 1998 and 2020 valid data could be obtained for this item.

Histology						
Paget disease Paget disease + DCIS Paget d						ase + IDC
	n=	42	n=1	147	n=72	
Years	obs. %	rel. %	obs. %	rel. %	obs. %	rel. %
0	100.0	100.0	100.0	100.0	100.0	100.0
1	100.0	101.1	97.2	99.9	88.4	91.2
2	94.2	98.9	93.5	98.4	80.9	85.3
3	91.2	95.1	91.2	97.9	76.4	81.1
4	88.0	95.1	86.5	95.2	66.1	73.3
5	88.0	95.4	84.0	95.2	60.4	68.4
6			82.2	96.3	56.0	65.9
7			80.3	96.1		
8			77.1	94.6		
9			74.9	94.3		
10			72.3	93.1		
11			68.4	91.5		
12			64.3	87.5		
13			62.8	87.2		
14			62.8	87.9		
15			60.7	88.3		
Median						

Table 4c. Observed (obs.) and relative (rel.) survival of patients with mammarian Paget disease by histology for period 1998-2020 (N=261).



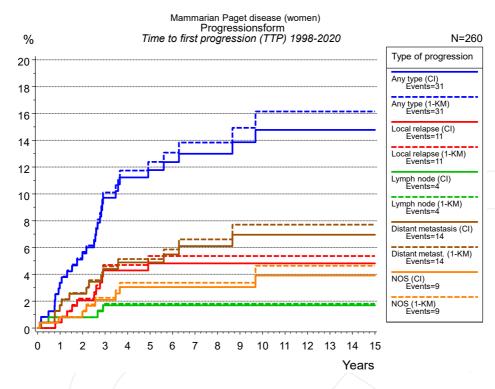


Figure 5a. Time to first progression of 260 patients with mammarian Paget disease diagnosed between 1998 and 2020 (in solid cancers M0 only) estimated by cumulative incidence function (CI, solid line) accounting for death as competing risk and by inverse Kaplan-Meier estimate (1-KM, dashed line). The frequency of events may be underestimated due to underreporting.

Type of progression							
	Any type (CI)	Any type (1-KM)			Lymph node (CI)	Lymph node (1-KM)	Distant metastasis (CI)
N		247	260	260	260	260	247
Events compet.		30	11 74	11	4 78	4	14 57
Years	%	%	%	%	%	%	%
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	3.4	3.4	0.4	0.4	0.8	8.0	1.7
2	5.6	5.7	2.1	2.2	0.8	8.0	2.5
3	9.7	10.1	4.3	4.7	1.7	1.8	4.4
4	11.2	11.7	4.3	4.7	1.7	1.8	4.9
5	11.8	12.4	4.8	5.4	1.7	1.8	4.9
6	12.4	13.1	4.8	5.4	1.7	1.8	5.5
7	13.0	13.8	4.8	5.4	1.7	1.8	6.1
8	13.0	13.8	4.8	5.4	1.7	1.8	6.1
9	13.9	14.9	4.8	5.4	1.7	1.8	7.0
10	14.8	16.1	4.8	5.4	1.7	1.8	7.0
11	14.8	16.1	4.8	5.4	1.7	1.8	7.0
12	14.8	16.1	4.8	5.4	1.7	1.8	7.0
13	14.8	16.1	4.8	5.4	1.7	1.8	7.0
14	14.8	16.1	4.8	5.4	1.7	1.8	7.0
15	14.8	16.1	4.8	5.4	1.7	1.8	7.0

	Type of Distant	f progressior	1			
cont'd	metast. (1- KM)	NOS (CI)	NOS (1-KM)			
N	247	260	260			
Events	14	8	8			
compet.		74				
Years	%	%	%			
0	0.0	0.0	0.0			
1	1.7	0.8	0.8			
2	2.6	1.2	1.3			
3	4.6	2.1	2.2			
4	5.1	3.0	3.4			
5	5.1	3.0	3.4			
6	5.8	3.0	3.4			
7	6.6	3.0	3.4			
8	6.6	3.0	3.4			
9	7.7	3.0	3.4			
10	7.7	3.9	4.6			
11	7.7	3.9	4.6			
12	7.7	3.9	4.6			
13	7.7	3.9	4.6			
14	7.7	3.9	4.6			
15	7.7	3.9	4.6			

Table 5b. Time to first progression of patients with mammarian Paget disease for period 1998-2020 (N=260), also showing the total of progression events (Events) and of deaths as competing risk (compet.).

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

Munich Cancer Registry. Survival Mammarian Paget disease [Internet]. 2022 [updated 2022 Apr 27; cited 2022 Jun 1]. Available from: https://www.tumorregister-muenchen.de/en/facts/surv/sMPDf_E-Mammarian-Paget-disease-survival.pdf

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