Munich Cancer Registry

ICD-10 C15-C26: GI cancer

Survival

Year of diagnosis	1988-1997	1998-2014
Patients	15,242	84,430
Diseases	15,533	87,167
Cases evaluated	13,720	62,039
Creation date	03/02/2016	
Export date	12/23/2015	
Population	4.64 m	

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

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

ICD-10 C15-C26: Malignant neoplasms of digestive organs
Period of diagnosis
Relative survival 1988-2014   N=75,263

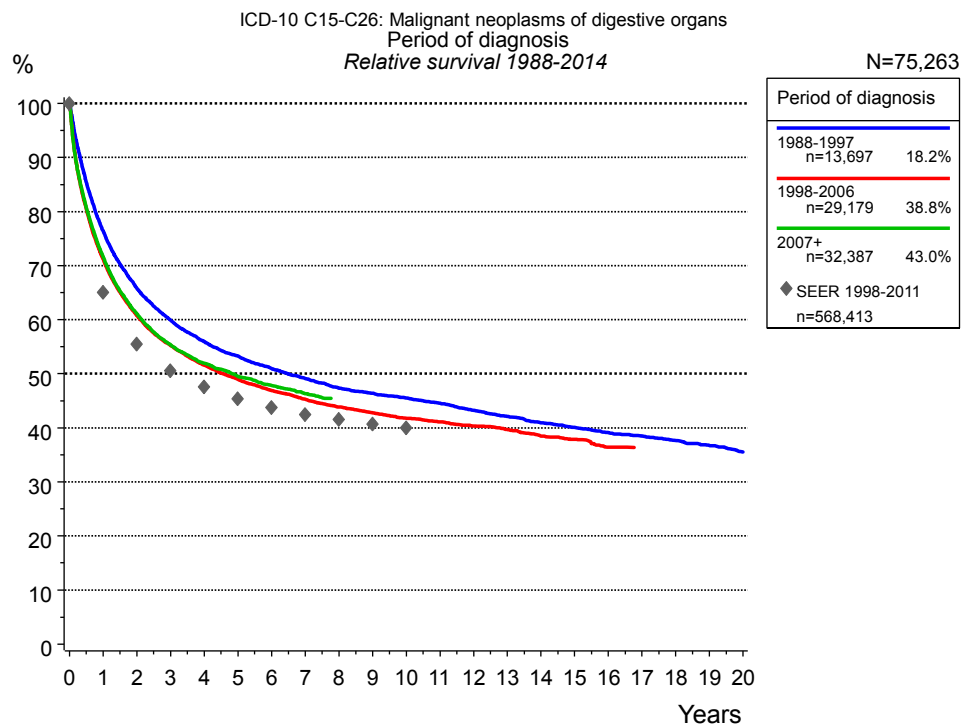| Period of diagnosis	
1988-1997 n=13,697	18.2%
1998-2006 n=29,179	38.8%
2007+ n=32,387	43.0%
◆ SEER 1998-2011 n=568,413	

Figure 1a. Relative survival of patients with GI cancer by period of diagnosis. Included in the evaluation are 75,263 cases diagnosed between 1988 and 2014.

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=13,697		1998-2006 n=29,179		2007+ n=32,387	
Years	obs. %	rel. %	obs. %	rel. %	obs. %	rel. %
0	100.0	100.0	100.0	100.0	100.0	100.0
1	73.6	76.3	68.6	71.2	69.2	71.6
2	61.4	65.8	56.7	60.8	57.3	61.1
3	54.1	59.9	49.9	55.2	50.4	55.4
4	48.9	56.0	45.2	51.6	45.8	52.0
5	45.0	53.3	41.5	49.0	42.3	49.5
6	41.6	51.0	38.5	46.9	39.5	47.8
7	38.8	49.1	36.0	45.3	37.0	46.3
8	36.1	47.4	33.7	43.9		
9	34.2	46.4	31.8	42.8		
10	32.4	45.5	30.0	41.8		
11	30.7	44.5	28.5	41.1		
12	28.7	43.2	27.0	40.3		
13	27.0	42.1	25.5	39.6		
14	25.4	40.9	23.9	38.5		
15	24.0	40.1	22.6	37.9		
16	22.6	39.1	20.9	36.4		
17	21.4	38.5				
18	20.1	37.7				
19	18.9	36.7				
20	17.6	35.5				

Table 1b. Observed (obs.) and relative (rel.) survival of patients with GI cancer by period of diagnosis for period 1988-2014 (N=75,263).

ICD-10 C15-C26: Malignant neoplasms of digestive organs
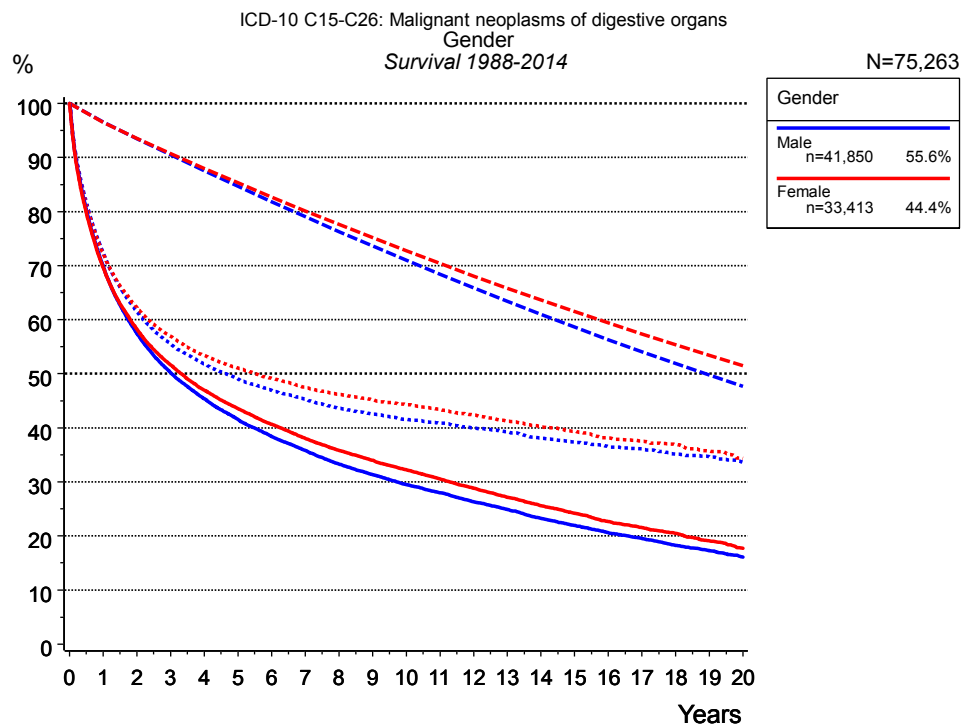Gender
Survival 1988-2014

Figure 2a. Survival of patients with GI cancer by gender. Included in the evaluation are 75,263 cases diagnosed between 1988 and 2014.

	Gender			
	Male n=41,850		Female n=33,413	
Years	obs. %	rel. %	obs. %	rel. %
0	100.0	100.0	100.0	100.0
1	69.9	72.4	69.6	72.1
2	57.5	61.5	58.3	62.3
3	50.2	55.5	51.7	56.9
4	45.4	51.8	47.0	53.4
5	41.5	49.1	43.6	51.1
6	38.4	46.9	40.7	49.2
7	35.8	45.3	38.0	47.5
8	33.3	43.6	35.8	46.2
9	31.3	42.5	34.0	45.2
10	29.5	41.5	32.2	44.3
11	28.0	40.9	30.6	43.4
12	26.3	39.9	28.8	42.3
13	24.9	39.3	27.2	41.2
14	23.2	38.1	25.6	40.1
15	21.9	37.4	24.2	39.4
16	20.6	36.5	22.7	38.1
17	19.5	36.1	21.5	37.6
18	18.3	35.1	20.5	36.9
19	17.3	34.6	19.1	35.7
20	16.1	33.7	17.7	34.4

Table 2b. Observed (obs.) and relative (rel.) survival of patients with GI cancer by gender for period 1988-2014 (N=75,263).

ICD-10 C15-C26: Malignant neoplasms of digestive organs
Age category
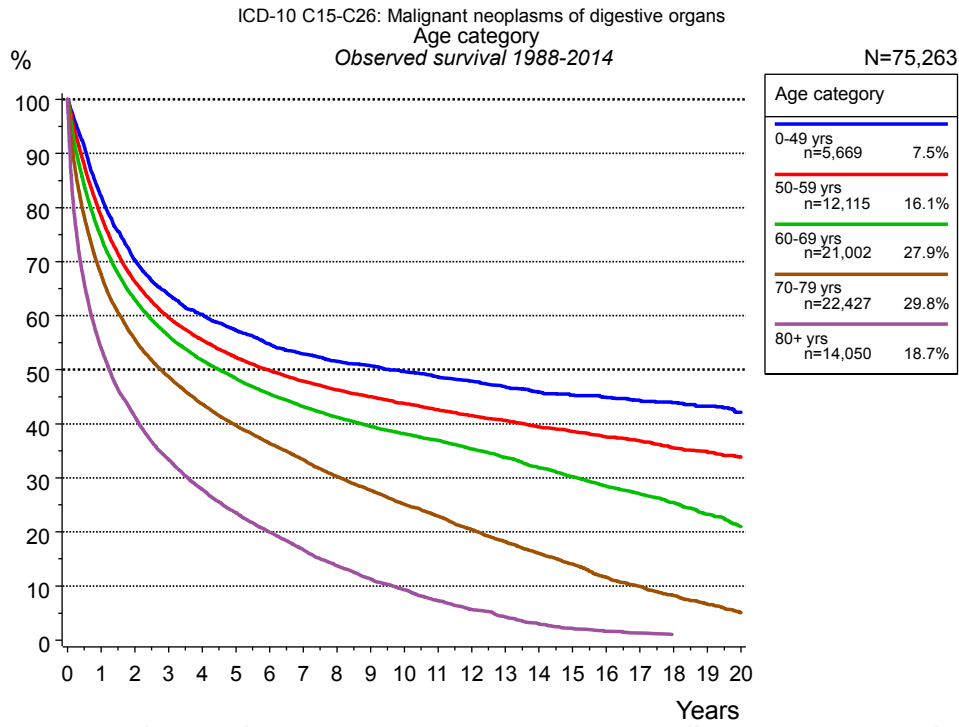*Observed survival 1988-2014*

Figure 3a. Observed survival of patients with GI cancer by age category. Included in the evaluation are 75,263 cases diagnosed between 1988 and 2014.

ICD-10 C15-C26: Malignant neoplasms of digestive organs
Age category
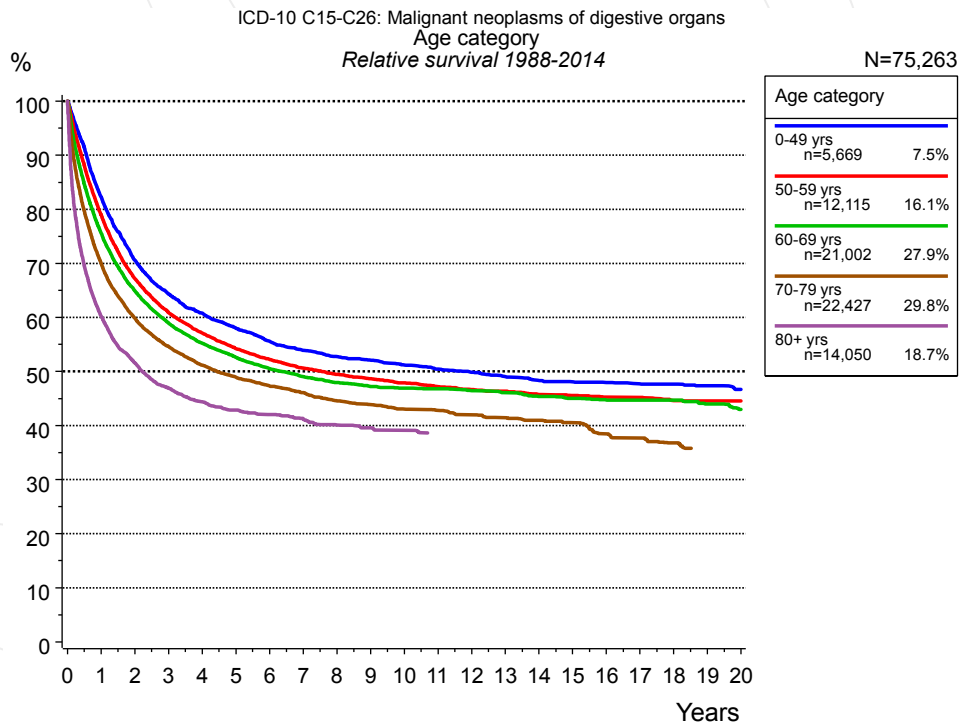*Relative survival 1988-2014*

Figure 3b. Relative survival of patients with GI cancer by age category. Included in the evaluation are 75,263 cases diagnosed between 1988 and 2014.

	Age category									
	0-49 yrs n=5,669		50-59 yrs n=12,115		60-69 yrs n=21,002		70-79 yrs n=22,427		80+ yrs n=14,050	
Years	obs. %	rel. %	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	100.0	100.0
1	82.0	82.2	78.4	78.9	74.4	75.5	67.6	70.0	53.9	60.2
2	70.3	70.6	66.3	67.2	63.0	64.9	55.6	59.8	41.3	51.6
3	63.9	64.3	59.6	60.9	56.3	59.0	48.7	54.6	33.4	46.9
4	60.2	60.8	55.5	57.1	51.7	55.2	43.7	51.2	27.9	44.4
5	57.3	58.0	52.3	54.2	48.4	52.6	39.7	48.9	23.6	42.8
6	54.7	55.6	49.9	52.2	45.5	50.5	36.4	47.4	20.0	42.1
7	52.9	53.9	47.9	50.6	43.2	49.0	33.4	46.1	16.7	41.2
8	51.5	52.7	46.3	49.5	41.2	48.0	30.2	44.6	13.7	40.1
9	50.7	52.1	45.0	48.7	39.5	47.2	27.7	43.9	11.3	39.6
10	49.7	51.2	43.7	47.9	38.2	46.9	25.1	43.1	9.3	39.1
11	48.7	50.4	42.6	47.2	37.0	46.8	22.9	42.8		
12	47.8	49.9	41.5	46.7	35.4	46.5	20.4	42.0		
13	46.8	49.1	40.6	46.4	33.8	46.1	18.2	41.5		
14	45.9	48.4	39.4	45.8	31.9	45.4	16.0	41.0		
15	45.4	48.1	38.5	45.5	30.2	45.1	14.1	40.5		
16	44.9	48.0	37.6	45.2	28.5	44.8	11.6	38.5		
17	44.3	47.7	36.8	45.2	27.0	44.7	9.9	37.7		
18	43.9	47.7	35.5	44.6	25.4	44.7	8.2	36.8		
19	43.3	47.4	34.8	44.5	23.2	44.0				
20	42.2	46.7	33.9	44.5	21.0	43.0				

Table 3c. Observed (obs.) and relative (rel.) survival of patients with GI cancer by age category for period 1988-2014 (N=75,263).

ICD-10 C15-C26: Malignant neoplasms of digestive organs
ICD-10 classification
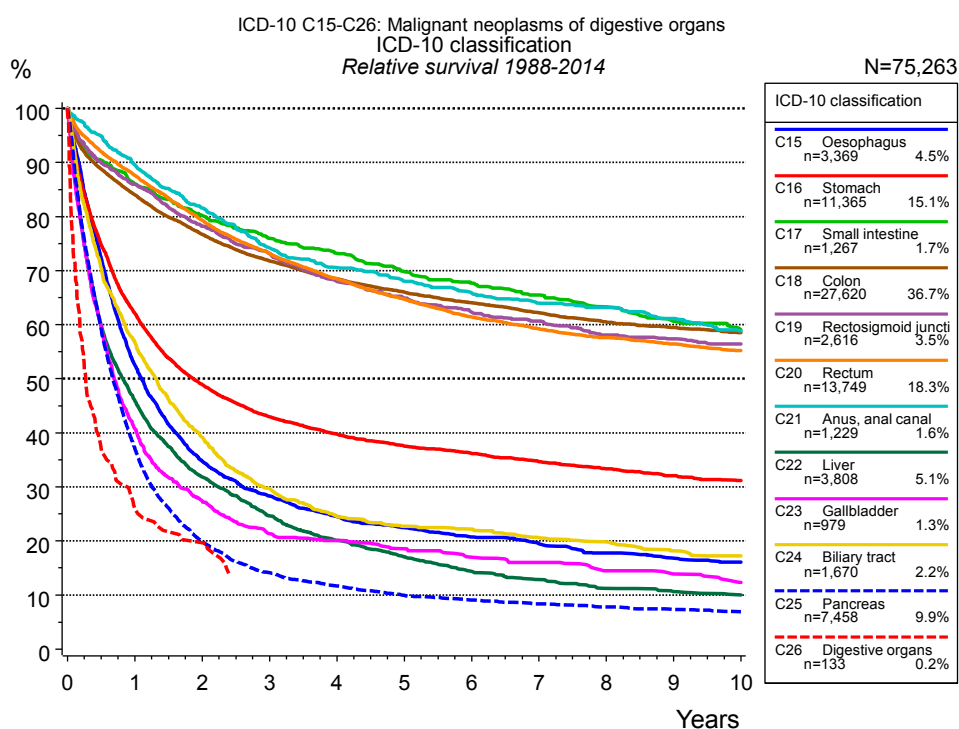*Relative survival 1988-2014*

Figure 4a. Relative survival of patients with GI cancer by ICD-10 classification. Included in the evaluation are 75,263 cases diagnosed between 1988 and 2014.

ICD-10 classification

Years	C15 Oesophagus n=3,369 obs. %	rel. %	C16 Stomach n=11,365 obs. %	rel. %	C17 Small intestine n=1,267 obs. %	rel. %	C18 Colon n=27,620 obs. %	rel. %	C19 Rectosigmoid junction n=2,616 obs. %	rel. %	C20 Rectum n=13,749 obs. %	rel. %	C21 Anus, anal canal n=1,229 obs. %	rel. %
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1	51.2	52.5	59.6	62.1	84.0	86.0	80.7	84.0	83.2	85.9	84.9	87.6	87.1	89.5
2	33.2	34.8	45.4	48.9	76.7	80.2	71.1	76.7	73.5	78.2	74.7	79.3	77.5	81.6
3	26.5	28.3	38.6	43.0	71.2	76.0	64.2	71.8	66.8	73.2	67.0	73.1	69.0	74.2
4	22.4	24.5	34.5	39.8	67.3	73.2	59.0	68.5	60.3	67.9	61.0	68.5	64.2	70.6
5	20.1	22.5	31.6	37.5	62.8	69.8	54.8	66.1	55.8	64.9	56.0	64.7	60.6	68.1
6	18.1	20.7	29.4	36.2	59.6	67.7	51.2	64.0	51.9	62.3	51.6	61.4	57.5	65.9
7	16.6	19.5	27.2	34.7	56.5	65.5	47.9	62.2	49.0	60.6	48.4	59.2	54.7	64.0
8	14.8	17.8	25.3	33.4	53.3	63.3	44.9	60.5	45.5	58.1	45.7	57.6	53.1	63.2
9	13.6	16.8	23.5	32.0	49.9	60.6	42.5	59.5	43.6	57.3	43.4	56.4	50.1	61.1
10	12.7	16.1	22.1	31.2	47.5	59.1	40.2	58.5	41.6	56.5	41.1	55.2	47.1	58.9

ICD-10 classification

cont'd Years	C22 Liver n=3,808 obs. %	rel. %	C23 Gallbladder n=979 obs. %	rel. %	C24 Biliary tract n=1,670 obs. %	rel. %	C25 Pancreas n=7,458 obs. %	rel. %	C26 Digestive organs n=133 obs. %	rel. %
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1	44.7	45.9	39.0	40.8	54.8	56.7	36.1	37.1	25.6	25.9
2	30.2	31.8	25.4	27.4	36.8	39.2	19.0	20.0	19.0	19.7
3	22.8	24.6	19.1	21.4	27.3	29.7	13.2	14.2		
4	18.2	20.2	17.4	20.1	22.0	24.5	10.6	11.7		
5	15.1	17.1	15.6	18.5	19.9	22.7	8.9	10.0		
6	12.5	14.4	13.8	17.0	18.9	22.2	7.9	9.1		
7	10.9	12.9	12.4	16.0	17.1	20.6	7.2	8.4		
8	9.3	11.3	10.7	14.5	16.0	19.8	6.5	7.8		
9	8.6	10.7	9.9	13.9	14.2	18.2	6.0	7.3		
10	8.0	10.0	8.5	12.4	13.1	17.2	5.5	6.9		

Table 4b. Observed (obs.) and relative (rel.) survival of patients with GI cancer by ICD-10 classification for period 1988-2014 (N=75,263).

ICD-10 C15-C26: Malignant neoplasms of digestive organs
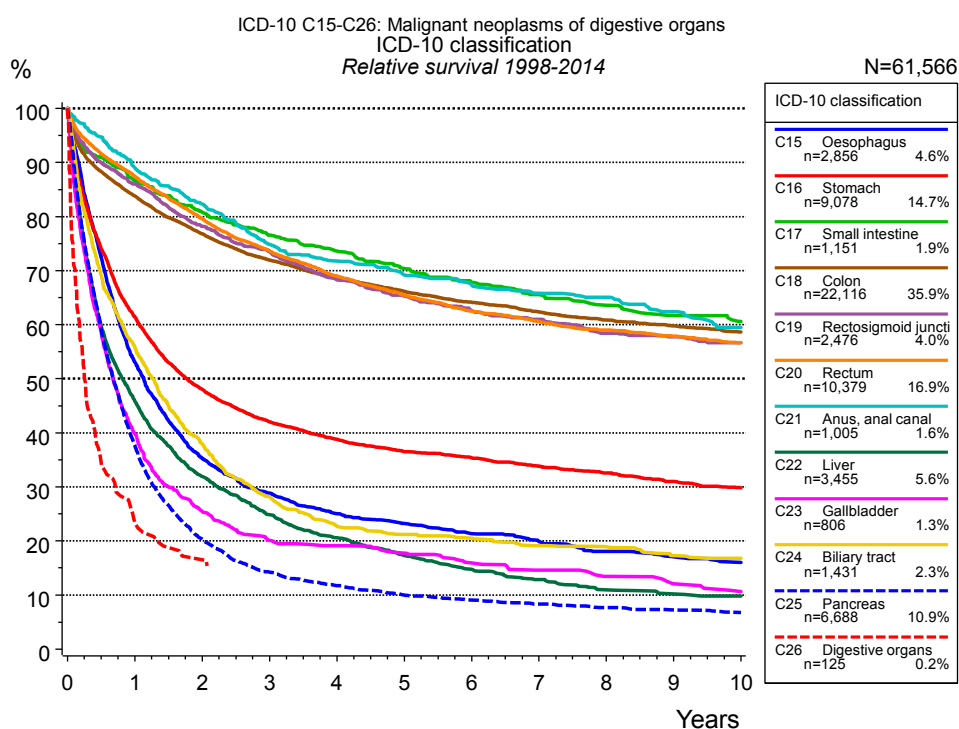ICD-10 classification
Relative survival 1998-2014

Figure 4c. Relative survival of patients with GI cancer by ICD-10 classification. Included in the evaluation are 61,566 cases diagnosed between 1998 and 2014.

	ICD-10 classification												
	C15 Oesophagus		C16 Stomach		C17 Small intestine		C18 Colon		C19 Rectosigmoid junction		C20 Rectum		C21 Anus, anal canal	
	n=2,856		n=9,078		n=1,151		n=22,116		n=2,476		n=10,379		n=1,005	
Years	obs. %	rel. %	obs. %	rel. %	obs. %	rel. %	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	100.0	100.0	100.0	100.0	100.0	100.0
1	51.7	53.0	58.9	61.4	84.7	86.6	80.5	83.8	83.3	86.0	84.8	87.4	86.8	89.0
2	33.7	35.3	44.6	48.1	77.3	80.8	71.2	76.8	73.5	78.2	75.0	79.6	78.5	82.3
3	27.0	28.9	37.7	42.1	71.9	76.6	64.3	71.9	67.2	73.5	67.5	73.6	69.8	74.8
4	22.9	25.1	33.7	38.8	67.8	73.6	59.3	68.8	60.7	68.3	61.6	69.0	65.7	71.8
5	20.7	23.2	30.7	36.5	63.5	70.4	55.0	66.2	56.2	65.3	56.8	65.5	62.0	69.2
6	18.6	21.4	28.7	35.4	59.9	67.9	51.4	64.2	52.3	62.5	52.8	62.5	59.2	67.4
7	16.9	19.9	26.5	33.8	56.7	65.5	48.1	62.4	49.5	61.0	49.7	60.6	56.7	65.8
8	15.1	18.1	24.6	32.6	53.6	63.6	45.2	60.9	46.0	58.4	47.1	59.0	55.1	65.0
9	13.9	17.1	22.6	31.0	51.0	61.7	42.7	59.8	44.1	57.8	44.8	57.9	51.6	62.4
10	12.7	16.0	21.0	29.8	48.8	60.6	40.4	58.6	42.1	56.7	42.5	56.7	48.3	59.5

	ICD-10 classification									
cont'd	C22 Liver		C23 Gallbladder		C24 Biliary tract		C25 Pancreas		C26 Digestive organs	
	n=3,455		n=806		n=1,431		n=6,688		n=125	
Years	obs. %	rel. %	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	100.0	100.0
1	44.6	45.8	38.1	39.8	53.9	55.7	36.6	37.7	23.1	23.4
2	30.3	31.9	23.5	25.4	35.6	37.9	19.3	20.3	16.1	16.5
3	23.0	24.8	18.0	20.1	25.9	28.2	13.3	14.3		
4	18.6	20.6	16.7	19.2	20.3	22.7	10.7	11.7		
5	15.3	17.3	15.0	17.7	18.5	21.2	8.9	10.0		
6	12.7	14.8	13.0	15.9	17.5	20.5	7.9	9.1		
7	10.9	12.9	11.3	14.6	15.9	19.1	7.1	8.3		
8	9.0	10.9	9.9	13.4	15.2	18.9	6.4	7.7		
9	8.2	10.2	8.6	12.1	13.5	17.3	5.9	7.3		
10	7.8	9.8	7.4	10.6	12.8	16.8	5.4	6.8		

Table 4d. Observed (obs.) and relative (rel.) survival of patients with GI cancer by ICD-10 classification for period 1998-2014 (N=61,566).

ICD-10 C15-C26: Malignant neoplasms of digestive organs
Extent of disease
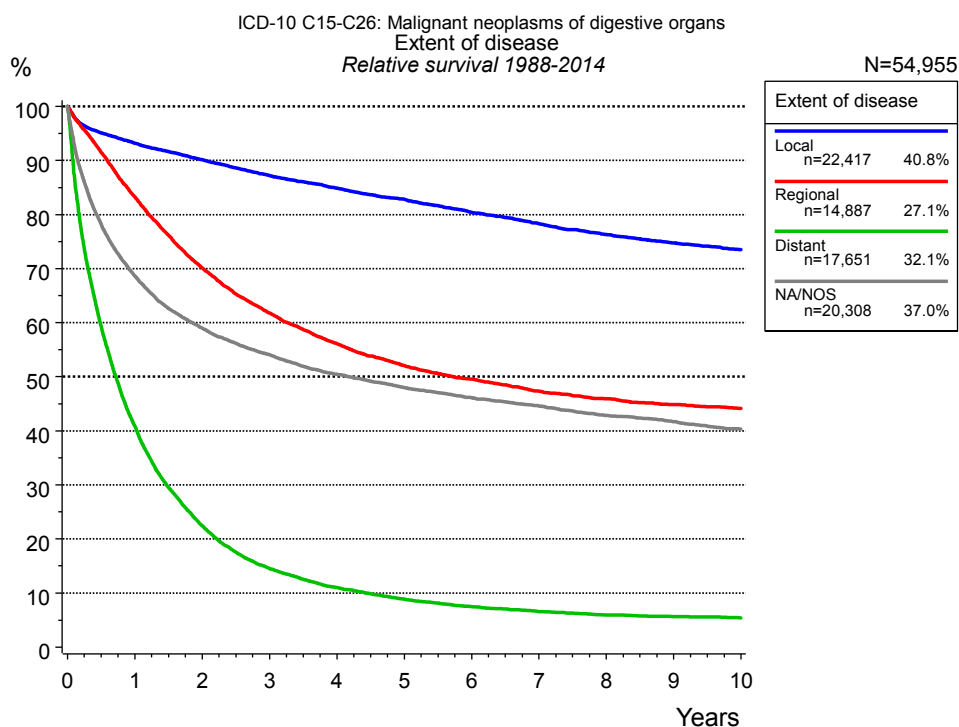*Relative survival 1988-2014*

N=54,955

Figure 4e. Relative survival of patients with GI cancer by extent of disease. For 65,884 of 75,263 cases diagnosed between 1988 and 2014 valid data could be obtained for this item. For a total of 54,955 cases an evaluable classification was established. The grey line represents the subgroup of 20,308 patients with missing values regarding extent of disease (27.0% of 75,263 patients, the percent values of all other categories are related to n=54,955).

	Extent of disease							
	Local n=22,417		Regional n=14,887		Distant n=17,651		NA/NOS n=20,308	
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	90.1	93.2	80.7	83.2	39.6	40.8	65.7	68.6
2	84.3	90.1	66.0	70.1	21.2	22.4	54.5	59.0
3	78.9	87.2	56.5	61.8	13.4	14.5	48.2	54.1
4	74.3	84.9	49.9	56.2	10.0	11.0	43.5	50.5
5	70.0	82.8	44.9	52.1	7.8	8.9	40.0	48.0
6	65.7	80.4	41.5	49.5	6.5	7.5	37.2	46.1
7	61.8	78.3	38.5	47.4	5.6	6.6	34.8	44.6
8	58.2	76.3	36.2	45.9	4.9	6.0	32.3	42.8
9	55.0	74.8	34.3	44.8	4.6	5.6	30.4	41.7
10	52.2	73.5	32.7	44.1	4.2	5.4	28.4	40.3

Table 4f. Observed (obs.) and relative (rel.) survival of patients with GI cancer by extent of disease for period 1988-2014 (N=54,955).

ICD-10 C15-C26: Malignant neoplasms of digestive organs
Extent of disease
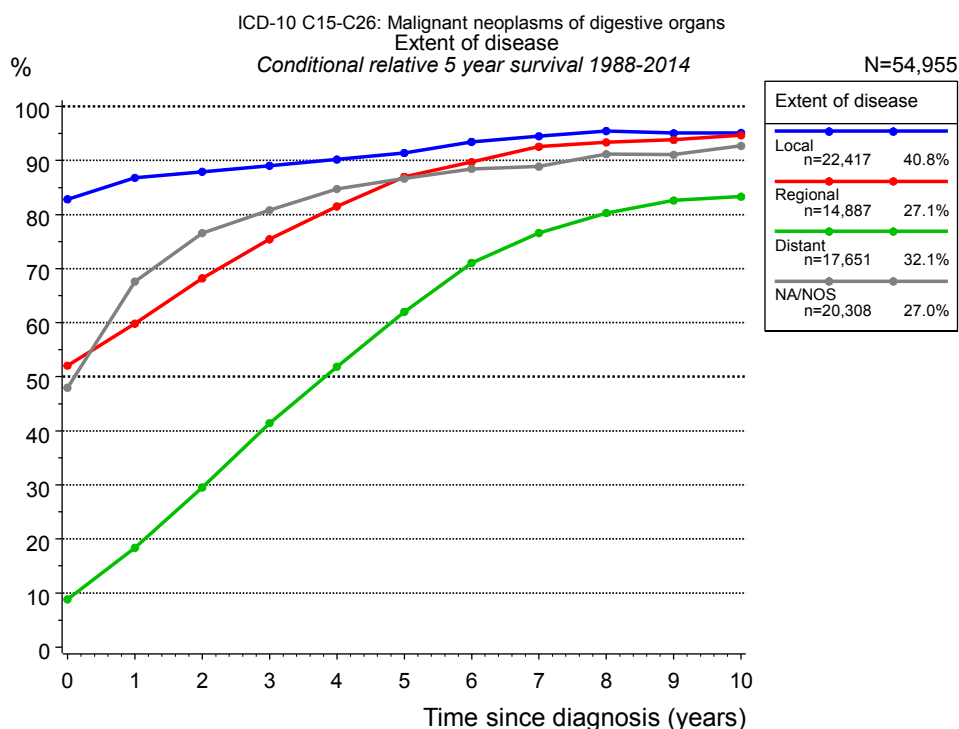*Conditional relative 5 year survival 1988-2014* N=54,955

Figure 4g. Conditional relative 5-year survival of patients with GI cancer by extent of disease. For 65,884 of 75,263 cases diagnosed between 1988 and 2014 valid data could be obtained for this item. For a total of 54,955 cases an evaluable classification was established. The grey line represents the subgroup of 20,308 patients with missing values regarding extent of disease (27.0% of 75,263 patients, the percent values of all other categories are related to n=54,955).

	Extent of disease							
	Local		Regional		Distant		NA/NOS	
		Cond. surv. %		Cond. surv. %		Cond. surv. %		Cond. surv. %
Years	n	5 yrs	n	5 yrs	n	5 yrs	n	5 yrs
0	22,417	82.8	14,887	52.1	17,651	8.9	20,308	48.0
1	19,118	86.8	11,399	59.8	6,648	18.4	12,865	67.6
2	16,835	87.9	8,687	68.2	3,309	29.5	10,255	76.6
3	14,726	89.0	6,833	75.4	1,907	41.4	8,701	80.8
4	12,863	90.2	5,502	81.5	1,289	51.9	7,470	84.7
5	11,161	91.4	4,507	87.0	899	62.0	6,517	86.7
6	9,697	93.4	3,784	89.7	652	71.1	5,452	88.5
7	8,419	94.5	3,121	92.6	488	76.6	4,538	88.9
8	7,206	95.4	2,620	93.3	356	80.3	3,742	91.2
9	6,182	95.1	2,247	93.8	284	82.6	3,123	91.1
10	5,382	95.1	1,925	94.7	228	83.3	2,613	92.7

Table 4h. Conditional relative 5-year survival of patients with GI cancer by extent of disease for period 1988-2014 (N=54,955).

Conditional relative survival rates refer to the relative survival probability, in this case for 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 4e). 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 extent of disease="Local", who are alive at least 3 years after cancer diagnosis, the conditional relative 5-year survival rate is 89.0% (n=14,726).
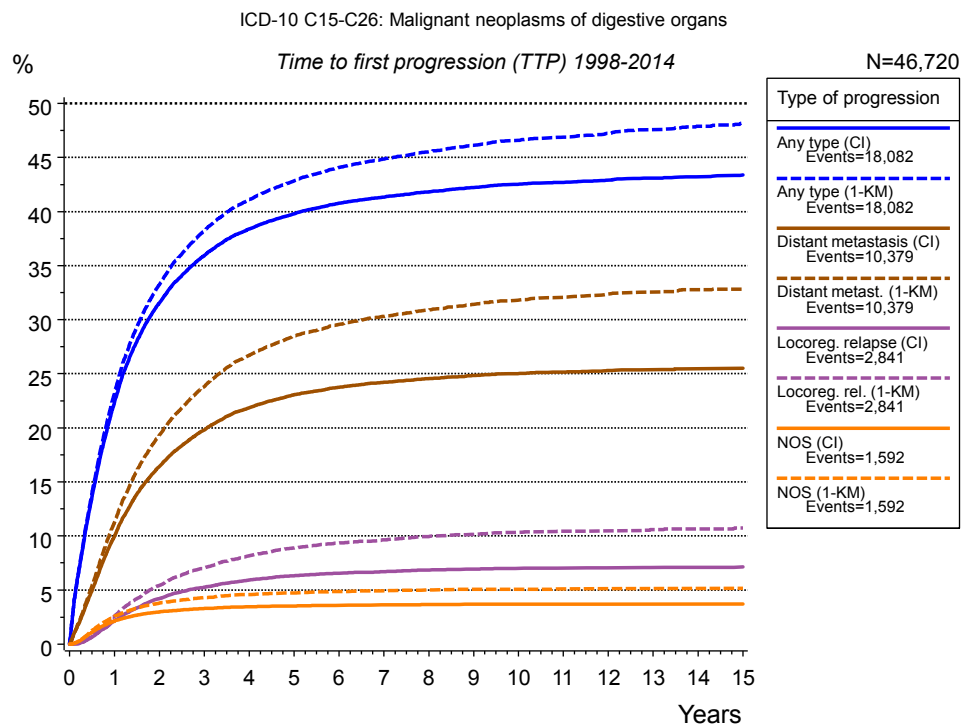
ICD-10 C15-C26: Malignant neoplasms of digestive organs

Figure 5a. Time to first progression of 46,720 patients with GI cancer diagnosed between 1998 and 2014 (M0 only in solid cancers) 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)	Distant metastasis (CI)	Distant metast. (1-KM)	Locoreg. relapse (CI)	Locoreg. rel. (1-KM)	NOS (CI)
	n=46,720	n=46,720	n=46,720	n=46,720	n=46,720	n=46,720	n=46,720
Years	%	%	%	%	%	%	%
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	22.4	23.2	10.0	11.3	2.2	2.6	2.2
2	31.5	33.2	16.4	19.3	4.2	5.4	3.0
3	35.9	38.2	19.8	23.8	5.3	7.0	3.3
4	38.4	41.1	21.9	26.7	5.9	8.2	3.5
5	39.8	42.8	23.1	28.5	6.3	8.9	3.5
6	40.8	44.1	23.8	29.6	6.6	9.4	3.6
7	41.4	44.9	24.2	30.3	6.7	9.7	3.6
8	41.8	45.5	24.5	30.9	6.8	10.0	3.7
9	42.2	46.1	24.8	31.4	6.9	10.2	3.7
10	42.5	46.6	25.0	31.8	7.0	10.4	3.7
11	42.7	46.9	25.2	32.1	7.0	10.5	3.7
12	42.9	47.2	25.3	32.4	7.1	10.5	3.7
13	43.1	47.6	25.4	32.6	7.1	10.6	3.7
14	43.3	47.9	25.5	32.8	7.1	10.6	3.7
15	43.4	48.1	25.5	32.8	7.1	10.7	3.7

Type of progression	
cont'd	NOS (1-KM) n=46,720
Years	%
0	0.0
1	2.6
2	3.8
3	4.3
4	4.6
5	4.7
6	4.9
7	5.0
8	5.0
9	5.1
10	5.1
11	5.1
12	5.2
13	5.2
14	5.2
15	5.2

Table 5b. Time to first progression of patients with GI cancer for period 1998-2014 (N=46,720).

ICD-10 C15-C26: Malignant neoplasms of digestive organs
Progression type
Observed post-progression survival 1998-2014
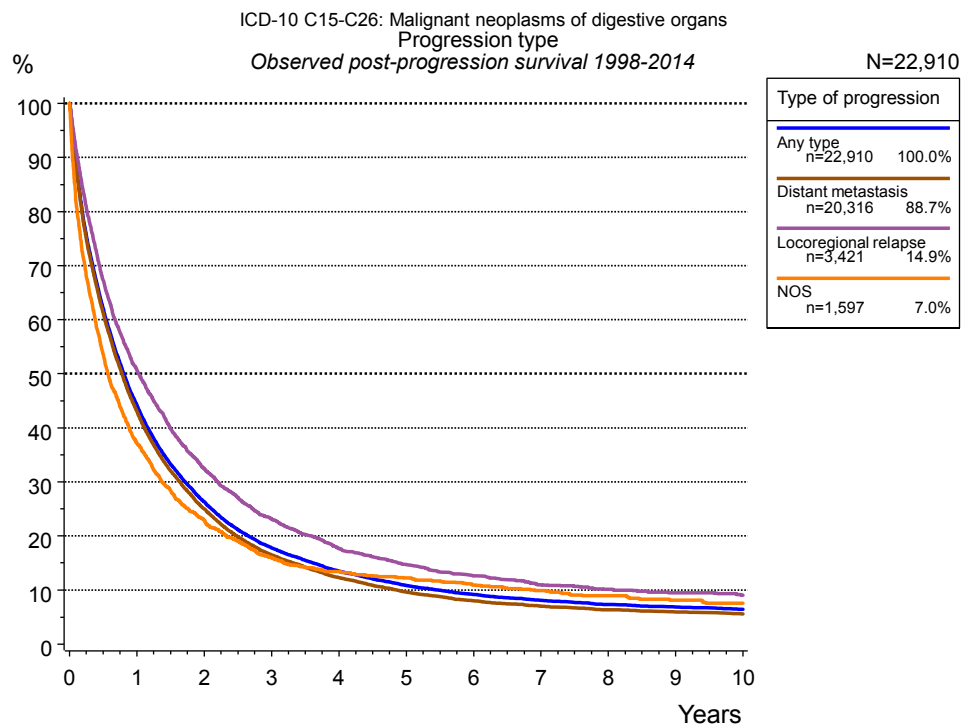
N=22,910

Figure 5c. Observed post-progression survival of 22,910 patients with GI cancer diagnosed between 1998 and 2014. These 22,910 patients with documented progression events during their course of disease represent 37.4 % of the totally 61,304 evaluated cases (incl. M1, n=14,584, 23.8 %). Patients with cancer relapse documented via death certificates only were excluded (n=9,756, 15.9 %). Multiple progression types on different sites are included in the evaluation even when not occuring 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.

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 potientially considered in more than one subgroup.

	Type of progression			
	Any type n=22,910	Distant metastasis n=20,316	Locoregional relapse n=3,421	NOS n=1,597
Years	%	%	%	%
0	100.0	100.0	100.0	100.0
1	44.2	43.1	50.7	37.3
2	26.3	25.0	32.5	22.8
3	17.8	16.5	23.2	16.1
4	13.5	12.3	17.7	13.4
5	10.9	9.6	14.7	12.2
6	9.2	8.0	12.6	10.9
7	8.1	7.0	11.0	9.9
8	7.3	6.3	10.2	9.0
9	6.9	6.0	9.5	8.2
10	6.4	5.6	9.1	7.6

Table 5d. Observed post-progression survival of patients with GI cancer for period 1998-2014 (N=22,910).

ICD-10 C15-C26: Malignant neoplasms of digestive organs
Type of Progression: Distant metastasis
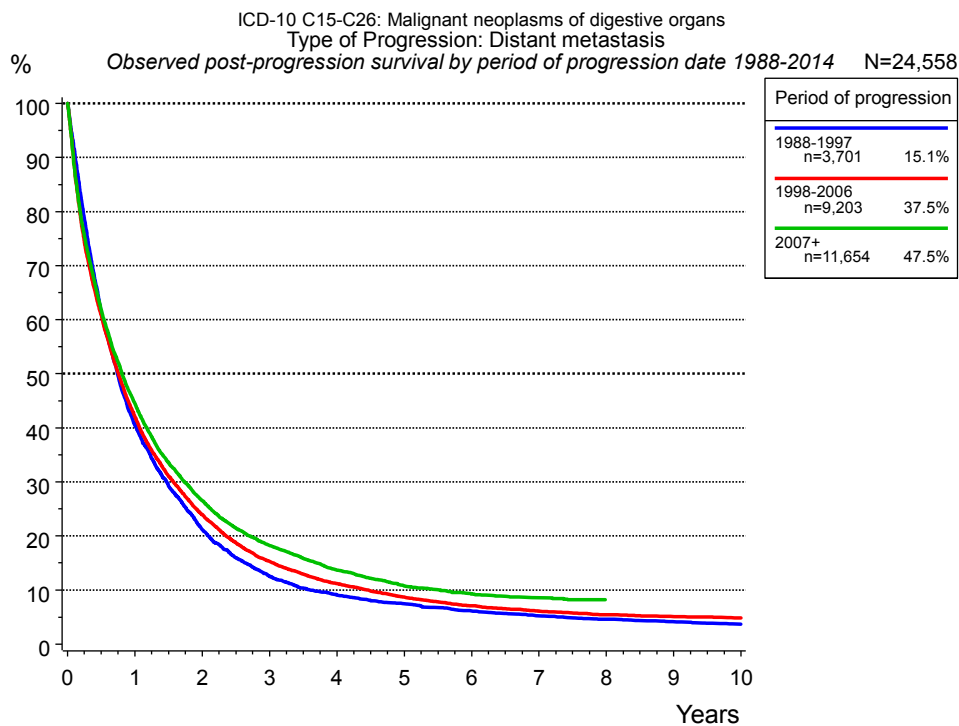*Observed post-progression survival by period of progression date 1988-2014*　　N=24,558

Figure 5e. Observed post-progression (distant metastasis) survival of 24,558 patients with GI cancer diagnosed between 1988 and 2014 by period of progression.

	Period of progression		
	1988-1997 n=3,701	1998-2006 n=9,203	2007+ n=11,654
Years	%	%	%
0	100.0	100.0	100.0
1	40.5	42.2	44.5
2	21.2	23.9	26.5
3	12.6	15.3	18.2
4	9.1	11.2	13.7
5	7.5	8.7	10.8
6	6.1	7.1	9.3
7	5.2	6.1	8.5
8	4.6	5.5	8.2
9	4.1	5.1	
10	3.7	4.8	

Table 5f. Observed post-progression (distant metastasis) survival of patients with GI cancer for period 1988-2014 by period of progression (N=24,558).

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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