

Belgian Cancer Registry



Cancer Fact Sheet

ICD10 : C23-24

Gallbladder &
biliary tract Cancer

Belgium 2018

1. Cancer Incidence

1.1. Number of new diagnoses and incidence rates

Table 1: Gallbladder and Biliary Tract Cancers: Average age at diagnosis, number of new cancer diagnoses (N), crude rate (CR), age-standardised incidence rates (ESR and WSR) and cumulative risk by sex and region, 2018

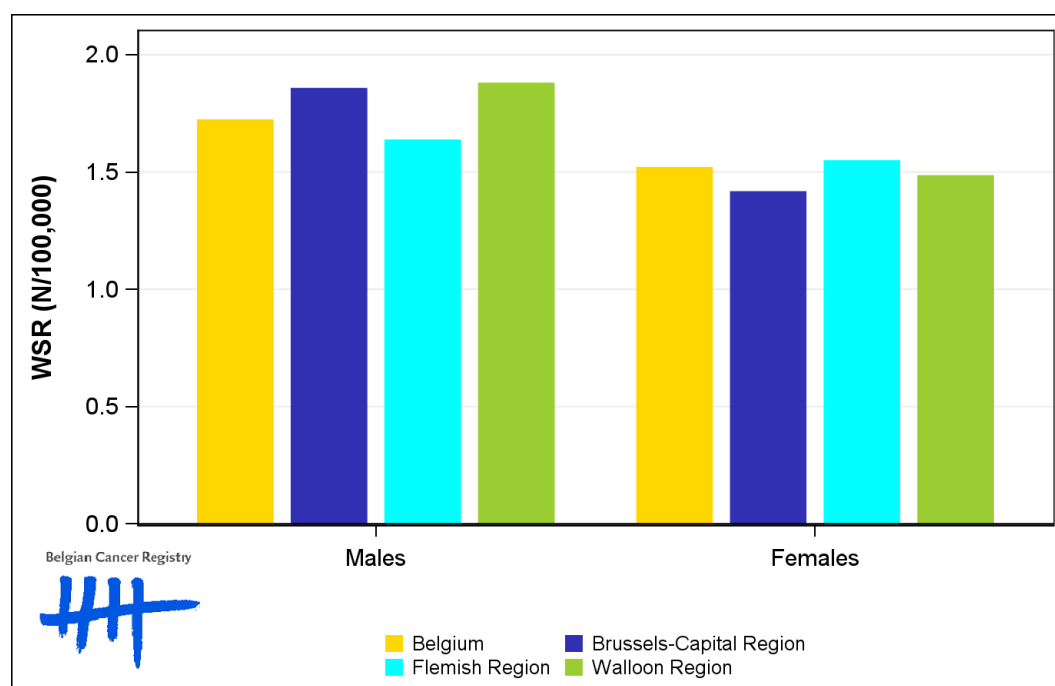
Males	Age (years)	N	CR	ESR	WSR	CRi
Belgium	71.6	214	3.8	2.6	1.7	0.21
Brussels-Capital Region	67.9	15	2.6	2.7	1.9	0.29
Flemish Region	71.5	126	3.9	2.5	1.6	0.19
Walloon Region	72.5	73	4.1	2.9	1.9	0.24

Females	Age (years)	N	CR	ESR	WSR	CRi
Belgium	74.2	242	4.2	2.3	1.5	0.18
Brussels-Capital Region	76.5	21	3.4	2.3	1.4	0.13
Flemish Region	73.7	144	4.3	2.4	1.5	0.18
Walloon Region	74.6	77	4.2	2.3	1.5	0.19

CR=Crude (all ages) Rate (N/100,000 person-years)
 ESR=Age-Standardised Rate, using the European Standard Population (N/100,000 person-years)
 WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)
 CRi=Cumulative Risk for 0-74 years (%)



Figure 1: Gallbladder and Biliary Tract Cancers: Age-standardised incidence rates by sex and region, 2018



1.2. Age-specific incidence rates

Table 2: Gallbladder and Biliary Tract Cancers: Age-specific incidence rates, crude rate (CR) and age-standardised incidence rates (ESR and WSR) by sex, Belgium 2018

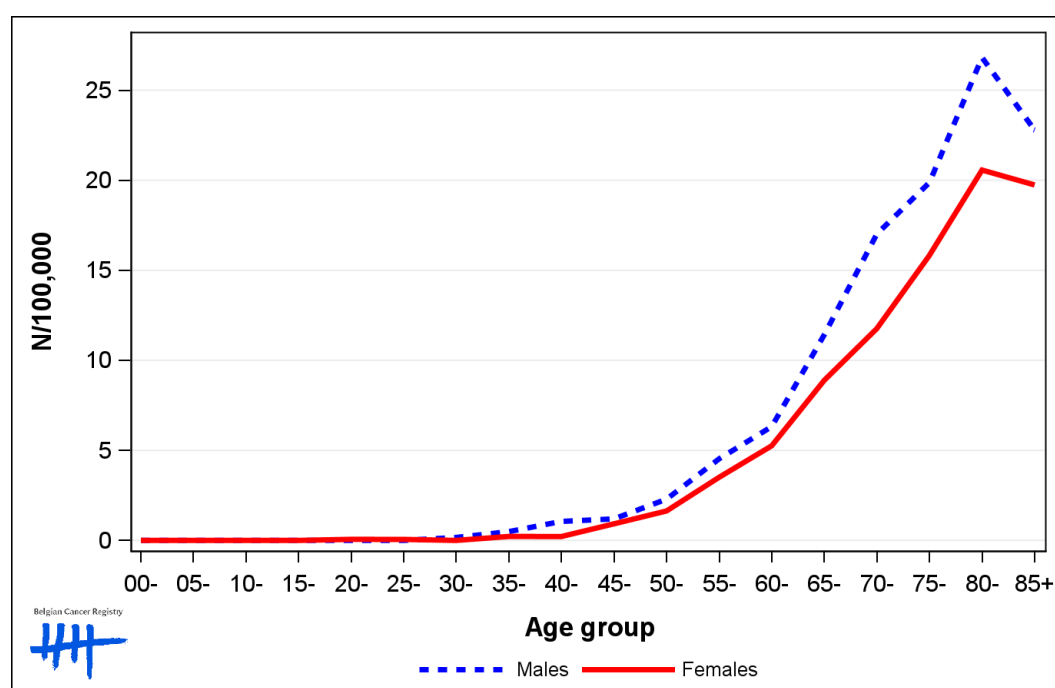
	00-	05-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	CR	ESR	WSR
Males	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.8	2.4	3.8	5.2	12.1	16.7	17.7	27.1	23.1	3.8	2.6	1.7
Females	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	1.0	1.0	5.1	4.0	10.1	14.1	19.3	23.0	20.3	4.2	2.3	1.5

CR=Crude (all ages) Rate (N/100,000 person-years)

ESR=Age-Standardised Rate, using the European Standard Population (N/100,000 person-years)

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)

Figure 2: Gallbladder and Biliary Tract Cancers: Age-specific incidence rates by sex, 2014-2018



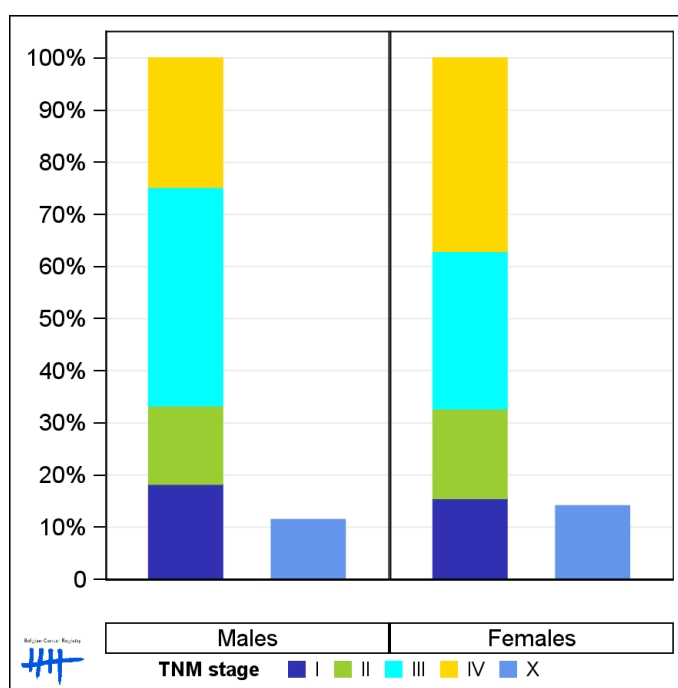
1.3. Combined stage

Table 3: Gallbladder and Biliary Tract Cancers: Distribution of combined stage by sex, Belgium 2018

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
Males							
N	17	14	39	23	12	109	214
%	7.9	6.5	18.2	10.7	5.6	50.9	100
Females							
N	18	20	35	43	19	107	242
%	7.4	8.3	14.5	17.8	7.9	44.2	100

Staging according to the TNM 8th edition (Ref: Brierley JD, Gospodarowicz MK, Wittekind Ch. TNM classification of malignant tumours, UICC 8th edition)
 Combined TNM stage : compilation of pathological (pTNM) and clinical (cTNM) stage. pTNM prevails over cTNM, except when cTNM stage is IV
 Stage X: diagnoses with an unknown stage
 Stage NA: diagnoses with a histological diagnosis where no stage can be evaluated (Not Applicable)

Figure 3: Gallbladder and Biliary Tract Cancers: Bar chart of known combined stage by sex, Belgium 2018



1.4. Trends in incidence

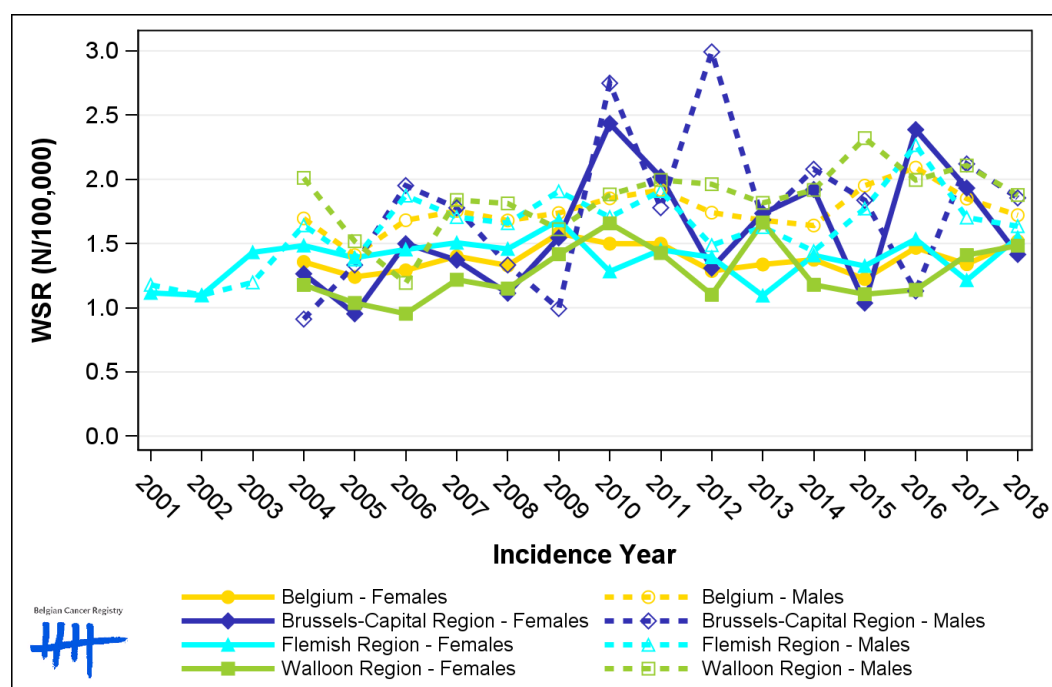
Table 4: Gallbladder and Biliary Tract Cancers: Age-standardised incidence rates (WSR) and average annual percentage change (AAPC) by incidence year, sex and region

Males	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	AAPC	95% CI
Belgium	1.7	1.4	1.7	1.8	1.7	1.7	1.9	1.9	1.7	1.7	1.6	2.0	2.1	1.8	1.7	1.1	[0.1; 2.1]
Brussels-Capital Region	0.9	1.3	2.0	1.8	1.3	1.0	2.7	1.8	3.0	1.7	2.1	1.8	1.1	2.1	1.9	2.8	[-1.5; 7.2]
Flemish Region	1.6	1.4	1.9	1.7	1.7	1.9	1.7	1.9	1.5	1.6	1.4	1.8	2.3	1.7	1.6	0.5	[-1.1; 2.2]
Walloon Region	2.0	1.5	1.2	1.8	1.8	1.6	1.9	2.0	2.0	1.8	1.9	2.3	2.0	2.1	1.9	2.0	[0.2; 3.7]

Females	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	AAPC	95% CI
Belgium	1.4	1.2	1.3	1.4	1.3	1.6	1.5	1.5	1.3	1.3	1.4	1.2	1.5	1.3	1.5	0.5	[-0.5; 1.5]
Brussels-Capital Region	1.3	1.0	1.5	1.4	1.1	1.5	2.4	2.0	1.3	1.7	1.9	1.0	2.4	1.9	1.4	2.7	[-0.8; 6.4]
Flemish Region	1.5	1.4	1.5	1.5	1.5	1.7	1.3	1.5	1.4	1.1	1.4	1.3	1.5	1.2	1.5	-0.6	[-1.9; 0.8]
Walloon Region	1.2	1.0	1.0	1.2	1.1	1.4	1.7	1.4	1.1	1.7	1.2	1.1	1.1	1.4	1.5	1.4	[-0.7; 3.6]

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)
AAPC = Average Annual Percentage Change over the 2004-2018 period

Figure 4: Gallbladder and Biliary Tract Cancers: Age-standardised incidence rates (WSR) by incidence year, sex and region



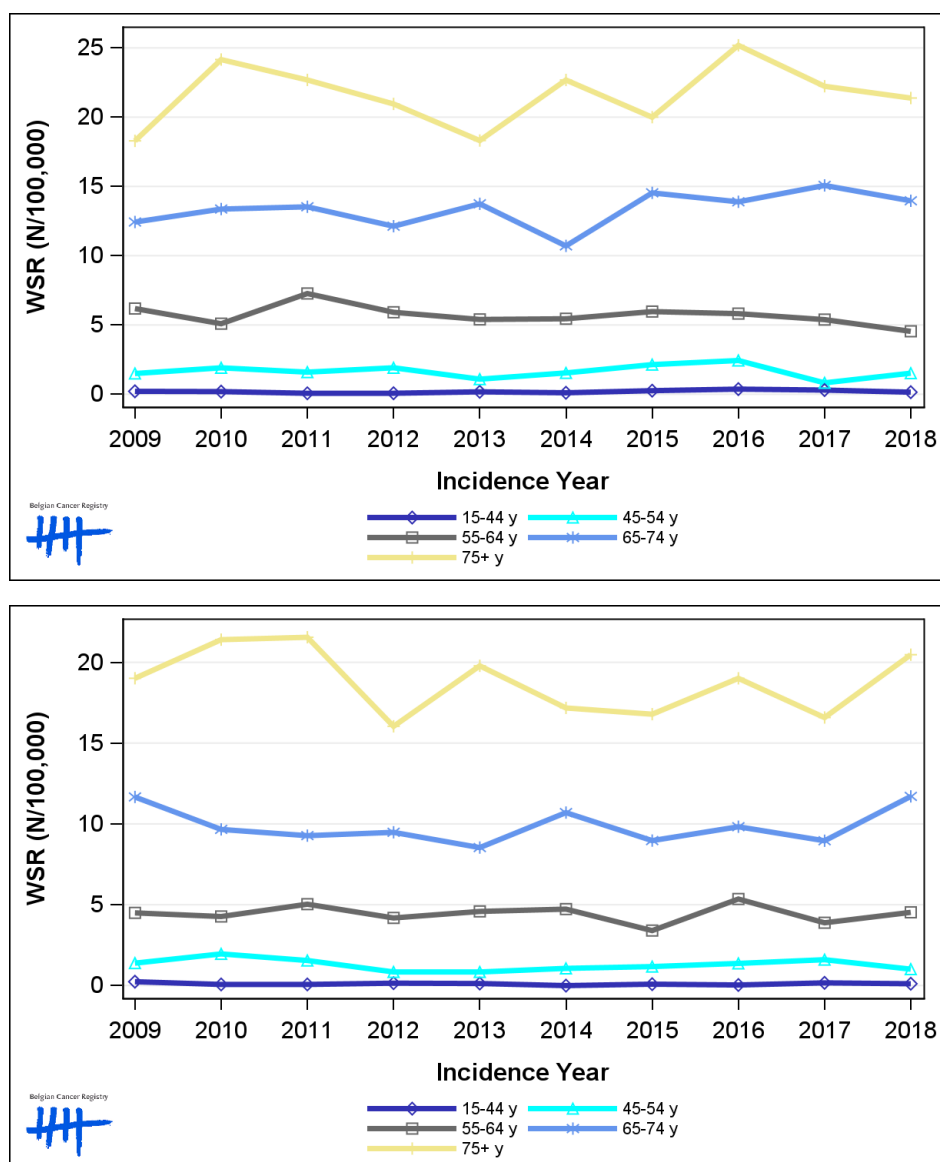
1.5. Incidence by broad age groups

Table 5: Gallbladder and Biliary Tract Cancers: Number of new diagnoses and age-standardised incidence rates (WSR) by broad age groups and incidence year by sex, Belgium

	N										WSR									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Males																				
All ages	175	195	204	193	183	194	217	241	223	214	1.7	1.9	1.9	1.7	1.7	1.6	2.0	2.1	1.8	1.7
0-14 y	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-44 y	6	5	2	2	5	3	7	10	8	4	0.2	0.2	<0.1	<0.1	0.2	0.1	0.3	0.4	0.3	0.2
45-54 y	12	15	13	16	9	13	18	20	7	13	1.5	1.9	1.6	1.9	1.1	1.5	2.1	2.4	0.8	1.5
55-64 y	39	33	48	39	36	37	41	41	39	33	6.2	5.1	7.3	5.9	5.4	5.4	6.0	5.8	5.4	4.5
65-74 y	53	59	61	56	64	51	71	70	79	76	12.4	13.4	13.5	12.1	13.7	10.7	14.5	13.9	15.1	14.0
75+ y	65	83	80	80	69	90	80	100	90	88	18.3	24.2	22.7	21.0	18.3	22.7	20.0	25.2	22.2	21.4
Females																				
All ages	215	219	227	187	203	210	194	223	201	242	1.6	1.5	1.5	1.3	1.3	1.4	1.2	1.5	1.3	1.5
0-14 y	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-44 y	6	2	2	4	3	0	2	1	4	3	0.2	<0.1	<0.1	0.1	0.1	0.0	<0.1	<0.1	0.2	0.1
45-54 y	11	16	13	7	7	9	10	11	13	8	1.4	2.0	1.6	0.8	0.8	1.1	1.2	1.4	1.6	1.0
55-64 y	29	28	34	29	31	33	24	38	28	34	4.5	4.3	5.0	4.2	4.6	4.7	3.4	5.4	3.9	4.5
65-74 y	58	47	49	49	44	57	48	55	51	70	11.7	9.7	9.3	9.5	8.5	10.7	9.0	9.8	9.0	11.7
75+ y	111	126	129	98	118	111	110	118	105	127	19.0	21.4	21.5	16.0	19.8	17.2	16.8	19.0	16.6	20.5

N=Number of invasive tumours
WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)

Figure 5: Gallbladder and Biliary Tract Cancers: Age-standardised incidence rates (WSR) versus incidence year by broad age groups for males (top) and females (bottom), Belgium



2. Relative survival

Table 6: Gallbladder and Biliary Tract Cancers: 5-year relative survival proportion by sex, age group and region, Belgium 2014-2018

	5-year relative survival 2014-2018 (%)					
	Males			Females		
	N at risk	estimate	95% CI	N at risk	estimate	95% CI
Overall	1,082	21.5	[18.2, 25.1]	1,063	18.7	[15.7, 22.0]
Age group						
15-59 years	188	31.8	[24.0, 39.9]	125	36.5	[26.6, 46.5]
60-74 years	447	24.3	[19.3, 29.8]	368	22.8	[18.1, 28.1]
75+ years	447	13.3	[8.6, 19.3]	570	12.0	[8.3, 16.6]
Region						
Brussels-Capital Region	74	11.3	[3.2, 26.1]	102	22.6	[13.9, 32.9]
Flemish Region	648	22.5	[18.2, 27.2]	636	18.7	[15.0, 23.0]
Walloon Region	360	21.8	[16.3, 28.1]	325	17.1	[11.9, 23.4]

Figure 6: Gallbladder and Biliary Tract Cancers: relative survival proportion by sex, Belgium 2014-2018

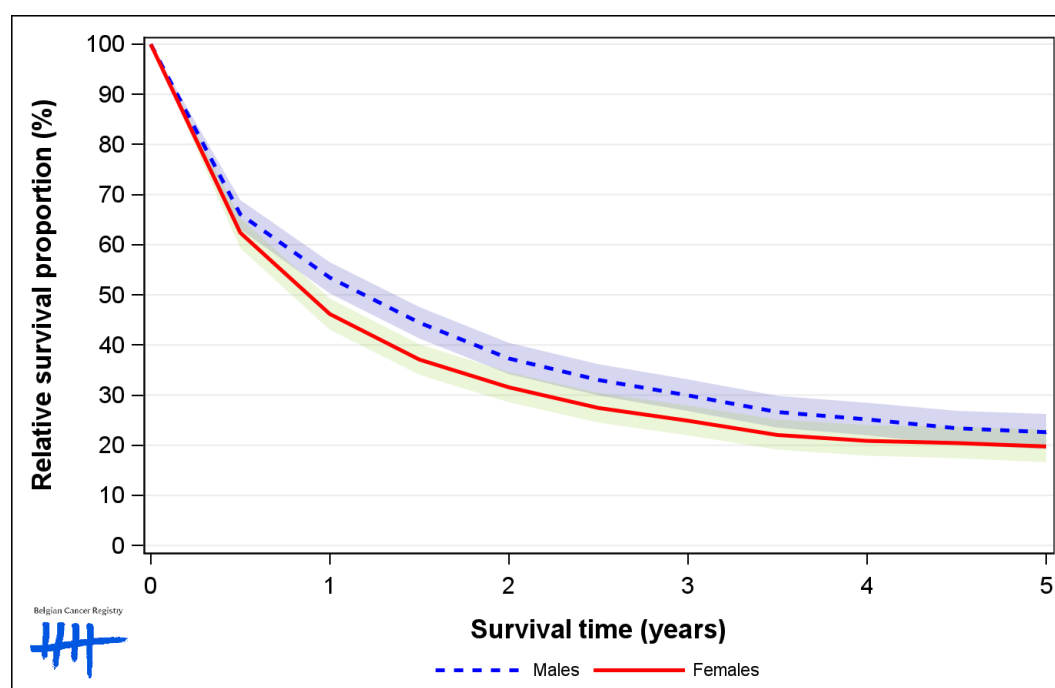


Figure 7: Gallbladder and Biliary Tract Cancers: relative survival proportion by age group in males, Belgium 2014-2018

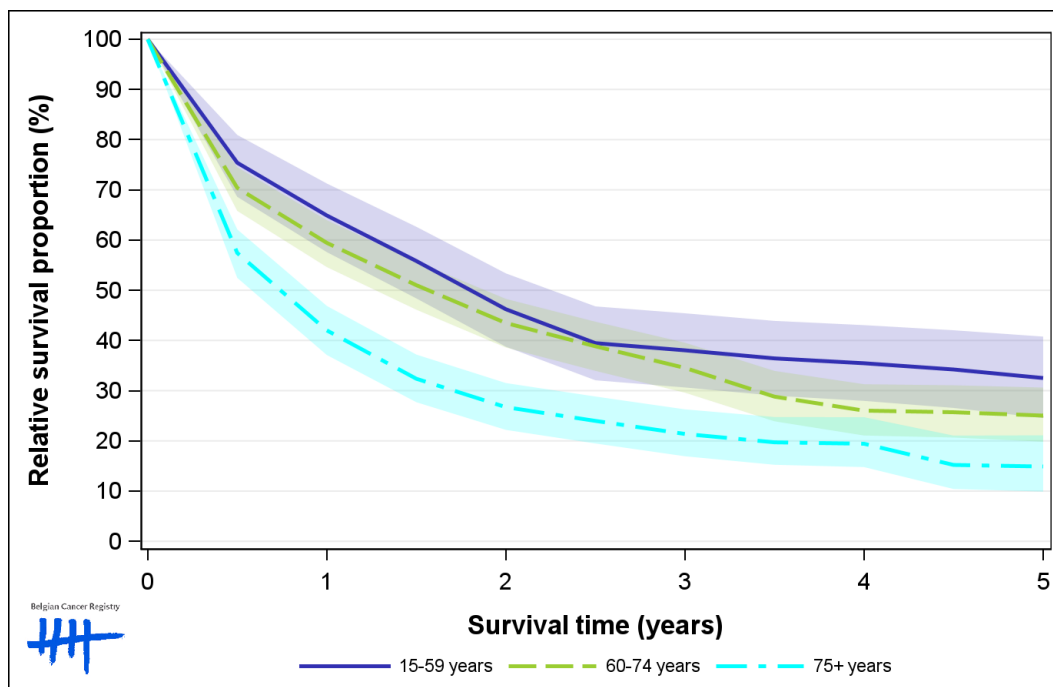


Figure 8: Gallbladder and Biliary Tract Cancers: relative survival proportion by age group in females, Belgium 2014-2018

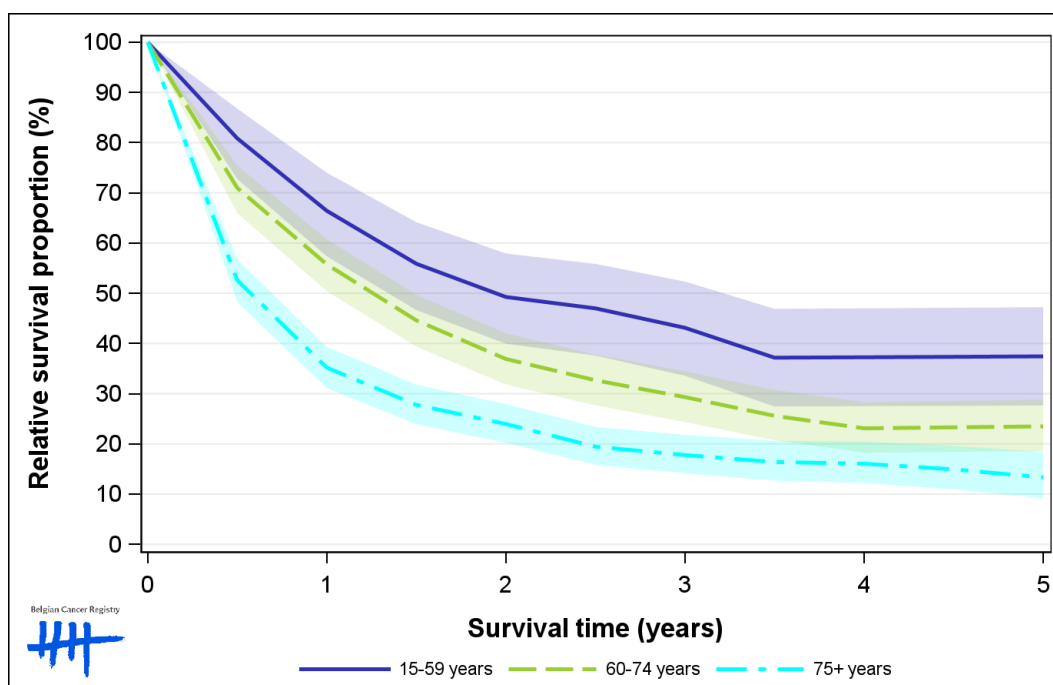


Figure 9: Gallbladder and Biliary Tract Cancers: relative survival proportion by region in males, Belgium 2014-2018

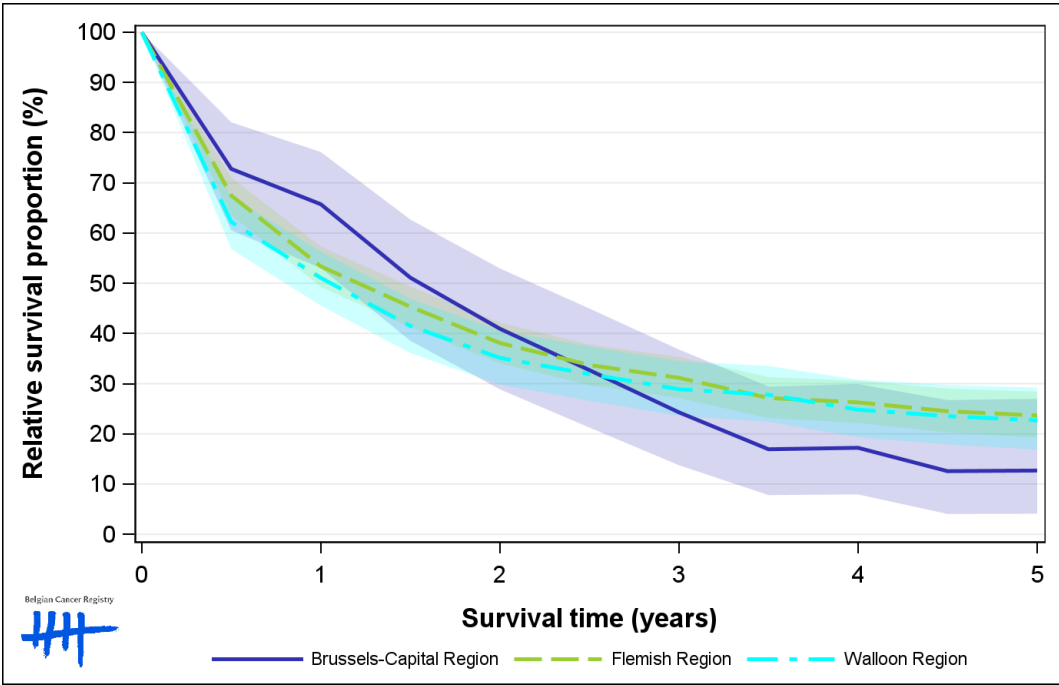


Figure 10: Gallbladder and Biliary Tract Cancers: relative survival proportion by region in females, Belgium 2014-2018

