

Belgian Cancer Registry



Cancer Fact Sheet

ICD10 : C23-24

Gallbladder &
biliary tract Cancer

Belgium 2021

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, 2021

Males	Age (years)	N	CR	ESR	WSR	CRi
Belgium	72.0	267	4.7	3.1	2.0	0.24
Brussels-Capital Region	70.6	19	3.2	3.2	2.0	0.23
Flemish Region	73.6	154	4.7	2.7	1.7	0.21
Walloon Region	69.6	94	5.3	3.7	2.5	0.30

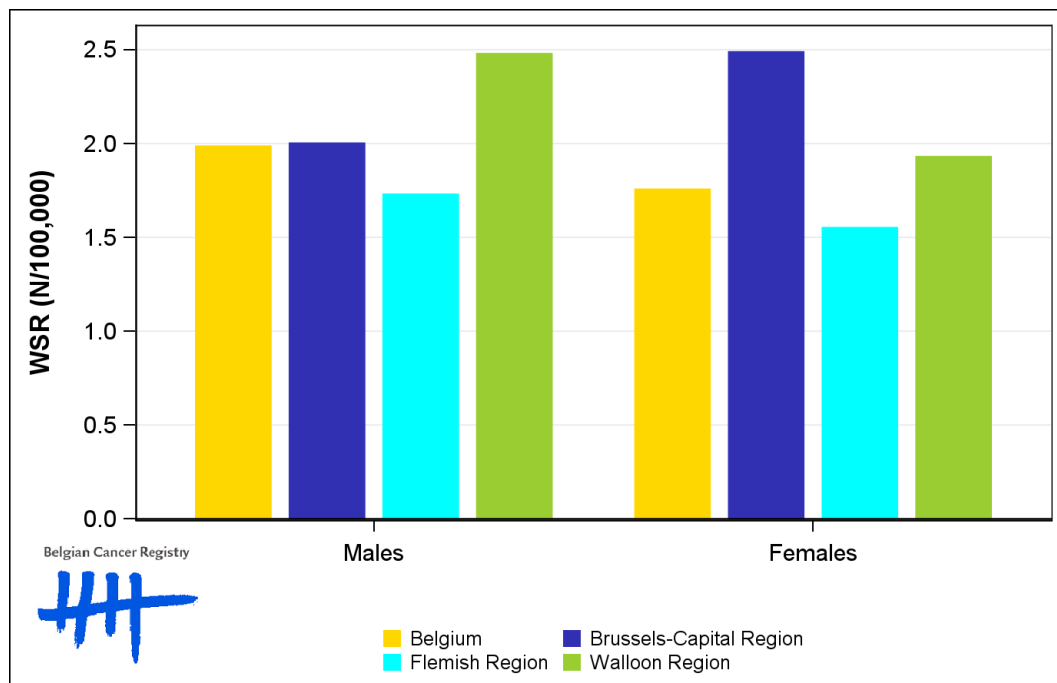
Females	Age (years)	N	CR	ESR	WSR	CRi
Belgium	73.4	272	4.7	2.6	1.8	0.21
Brussels-Capital Region	68.0	26	4.2	3.6	2.5	0.33
Flemish Region	74.7	153	4.6	2.4	1.6	0.17
Walloon Region	72.6	93	5.0	2.9	1.9	0.24

CR=Crude (all ages) Rate (N/100,000 person-years)
 ESR (1976)=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 (%)

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Figure 1: Gallbladder and Biliary Tract Cancers: Age-standardised incidence rates by sex and region, 2021



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 2021

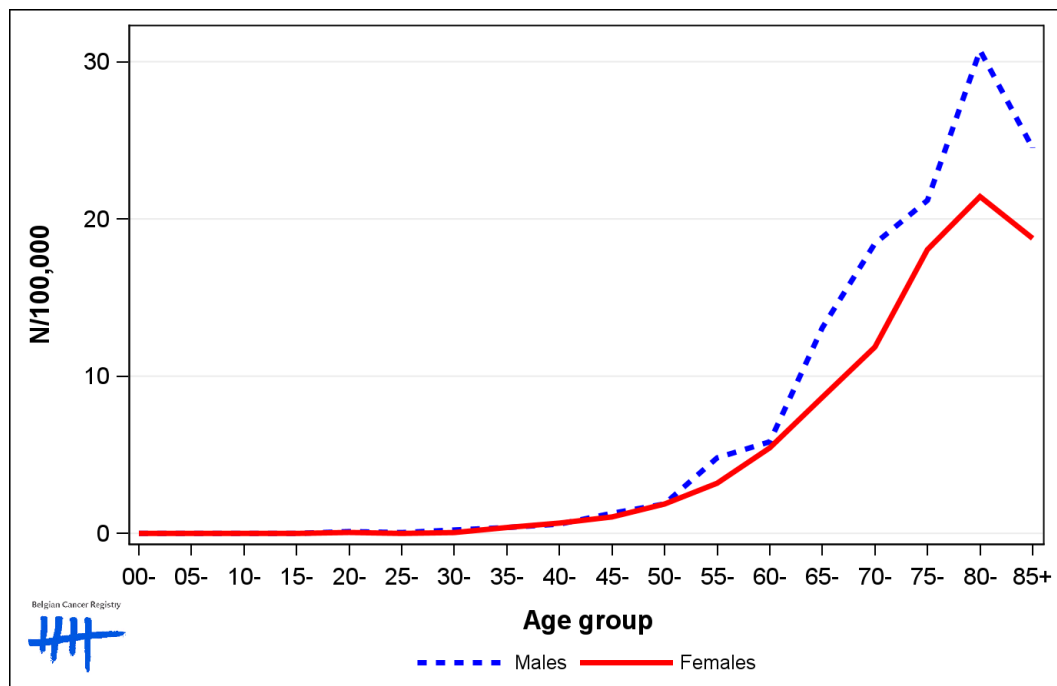
	00-	05-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	CR	ESR	WSR
Males	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.5	0.8	1.3	6.4	5.5	12.7	20.8	25.8	36.7	20.7	4.7	3.1	2.0
Females	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.5	1.6	2.3	2.7	7.5	11.3	14.2	20.2	24.9	20.4	4.7	2.6	1.8

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

ESR (1976)=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, 2017-2021



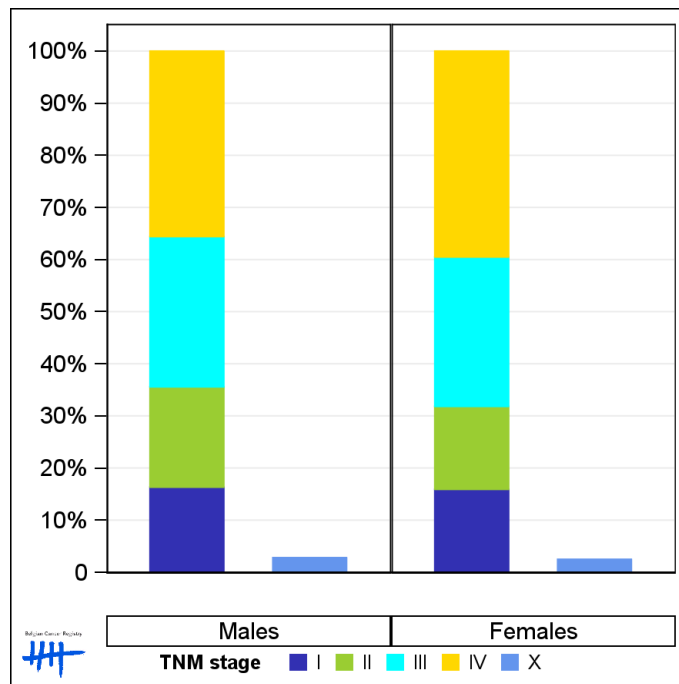
1.3. Combined stage

Table 3: Gallbladder and Biliary Tract Cancers: Distribution of combined stage by sex, Belgium 2021

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
Males							
N	17	20	30	37	3	160	267
%	6.4	7.5	11.2	13.9	1.1	59.9	100
Females							
N	25	25	45	62	4	111	272
%	9.2	9.2	16.5	22.8	1.5	40.8	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 2021



1.4. Trends in incidence

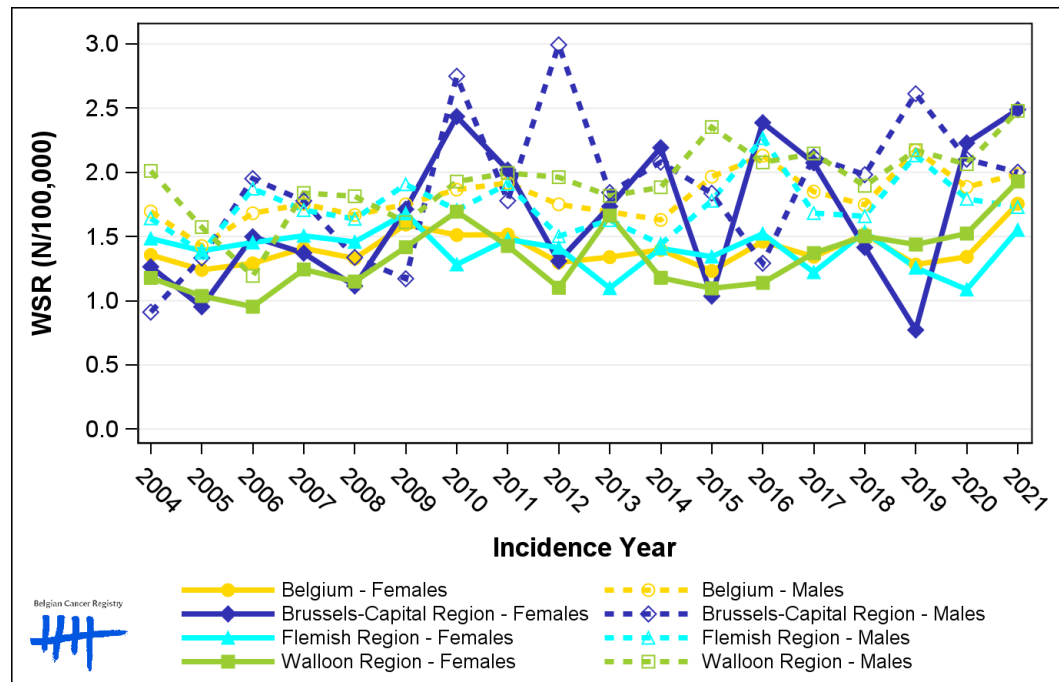
Table 4: Gallbladder and Biliary Tract Cancers: Age-standardised incidence rates (WSR) and average annual percentage change (AAPC) by incidence year, sex and region

Males	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	AAPC	95% CI
Belgium	1.8	1.7	1.8	1.9	1.9	1.8	1.7	1.6	2.0	2.1	1.9	1.7	2.2	1.9	2.0	1.0	[0.1; 2.0]
Brussels-Capital Region	1.8	1.3	1.2	2.7	1.8	3.0	1.8	2.1	1.8	1.3	2.1	2.0	2.6	2.1	2.0	1.8	[-1.5; 5.3]
Flemish Region	1.7	1.6	1.9	1.7	1.9	1.5	1.6	1.4	1.8	2.3	1.7	1.7	2.1	1.8	1.7	0.6	[-1.0; 2.1]
Walloon Region	1.8	1.8	1.6	1.9	2.0	2.0	1.8	1.9	2.4	2.1	2.1	1.9	2.2	2.1	2.5	1.8	[0.7; 2.8]

Females	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	AAPC	95% CI
Belgium	1.4	1.3	1.6	1.5	1.5	1.3	1.3	1.4	1.2	1.5	1.3	1.5	1.3	1.3	1.8	0.1	[-1.1; 1.4]
Brussels-Capital Region	1.4	1.1	1.7	2.4	2.0	1.3	1.7	2.2	1.0	2.4	2.1	1.4	0.8	2.2	2.5	1.1	[-3.6; 5.9]
Flemish Region	1.5	1.5	1.7	1.3	1.5	1.4	1.1	1.4	1.3	1.5	1.2	1.5	1.3	1.1	1.6	-0.9	[-2.5; 0.7]
Walloon Region	1.2	1.2	1.4	1.7	1.4	1.1	1.7	1.2	1.1	1.1	1.4	1.5	1.4	1.5	1.9	1.9	[-0.1; 3.9]

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)
 AAPC = Average Annual Percentage Change over the 2007-2021 period

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



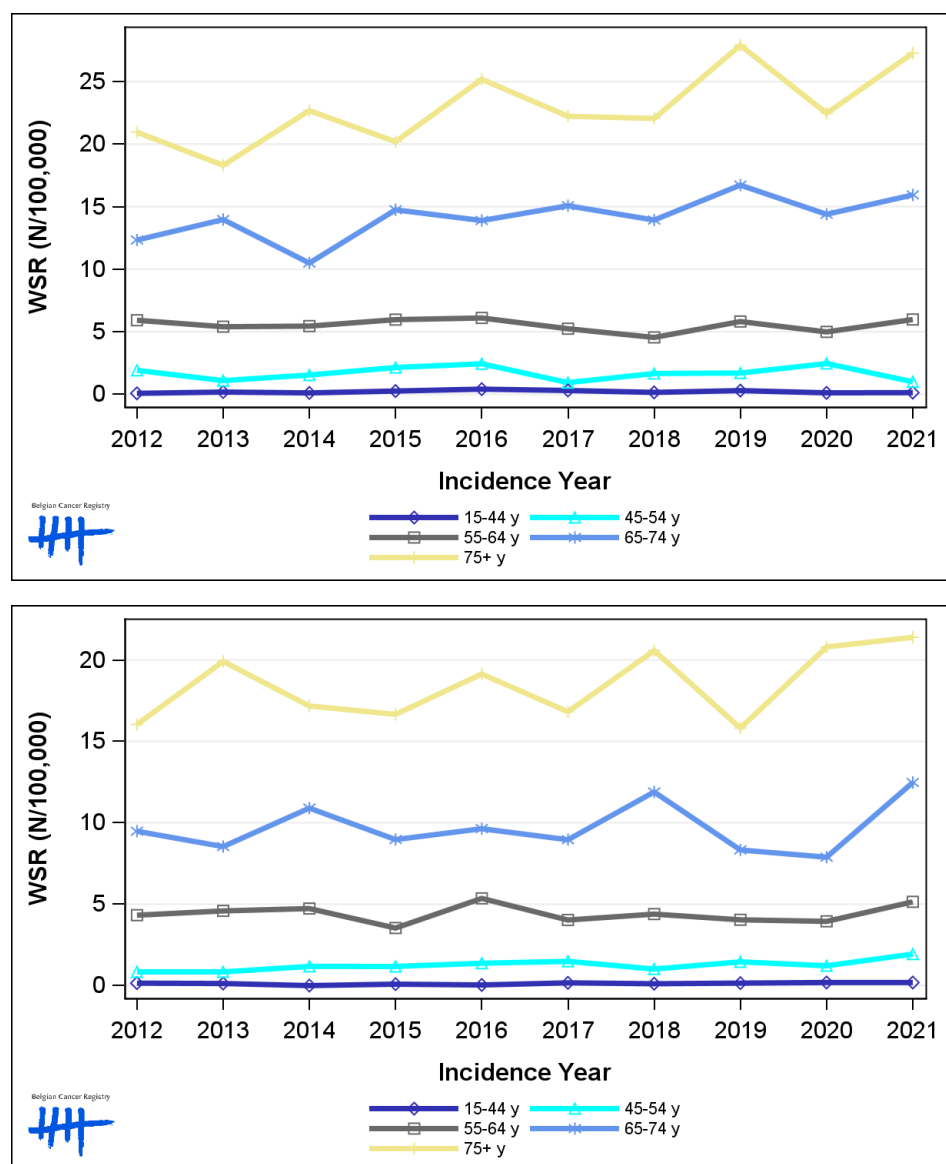
1.5. Incidence by broad age groups

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									
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Males																					
All ages	194	184	193	219	244	223	218	274	236	267	1.8	1.7	1.6	2.0	2.1	1.9	1.7	2.2	1.9	2.0	
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	2	5	3	7	11	8	4	7	3	3	<0.1	0.2	0.1	0.3	0.4	0.3	0.2	0.3	0.1	0.1	
45-54 y	16	9	13	18	20	8	14	13	20	8	1.9	1.1	1.5	2.1	2.4	0.9	1.7	1.7	2.5	1.0	
55-64 y	39	36	37	41	43	38	33	43	37	46	5.9	5.4	5.4	6.0	6.1	5.2	4.5	5.8	5.0	6.0	
65-74 y	57	65	50	72	70	79	76	94	81	94	12.3	14.0	10.5	14.7	13.9	15.1	13.9	16.7	14.4	15.9	
75+ y	80	69	90	81	100	90	91	117	95	116	21.0	18.3	22.7	20.2	25.2	22.2	22.1	27.9	22.5	27.3	
Females																					
All ages	188	204	212	194	223	202	242	193	228	272	1.3	1.3	1.4	1.2	1.5	1.3	1.5	1.3	1.3	1.8	
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	4	3	0	2	1	4	3	4	5	5	0.1	0.1	0.0	<0.1	<0.1	0.2	0.1	0.2	0.2	0.2	
45-54 y	7	7	10	10	11	12	8	12	10	15	0.8	0.8	1.2	1.2	1.4	1.5	1.0	1.5	1.2	1.9	
55-64 y	30	31	33	25	38	29	33	30	30	39	4.3	4.6	4.7	3.5	5.4	4.0	4.4	4.0	3.9	5.1	
65-74 y	49	44	58	48	54	51	71	52	50	79	9.5	8.5	10.9	9.0	9.6	9.0	11.9	8.3	7.9	12.5	
75+ y	98	119	111	109	119	106	127	95	133	134	16.0	19.9	17.2	16.7	19.1	16.8	20.6	15.8	20.8	21.4	

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 2017-2021

	5-year relative survival 2017-2021 (%)					
	Males			Females		
	N at risk	estimate	95% CI	N at risk	estimate	95% CI
Overall	1,212	23.6	[20.4, 27.0]	1,130	16.3	[13.3, 19.5]
Age group						
15-59 years	183	29.9	[21.9, 38.3]	139	26.4	[16.2, 37.8]
60-74 years	521	28.2	[23.2, 33.4]	398	17.1	[12.4, 22.4]
75+ years	508	16.3	[11.4, 22.1]	593	13.1	[9.4, 17.6]
Region						
Brussels-Capital Region	96	21.3	[11.7, 33.3]	99	26.3	[16.9, 37.0]
Flemish Region	711	23.7	[19.5, 28.2]	653	15.2	[11.5, 19.5]
Walloon Region	405	23.9	[18.3, 30.1]	378	16.2	[11.3, 22.0]

Figure 6: Gallbladder and Biliary Tract Cancers: relative survival proportion by sex, Belgium 2017-2021

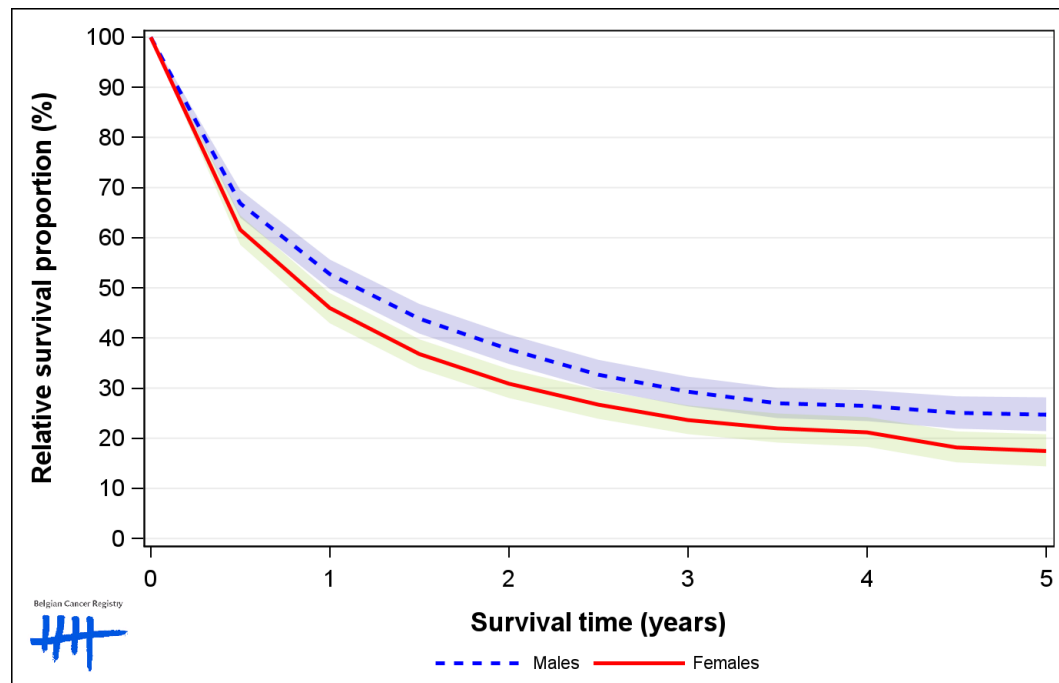


Figure 7: Gallbladder and Biliary Tract Cancers: relative survival proportion by age group in males, Belgium 2017-2021

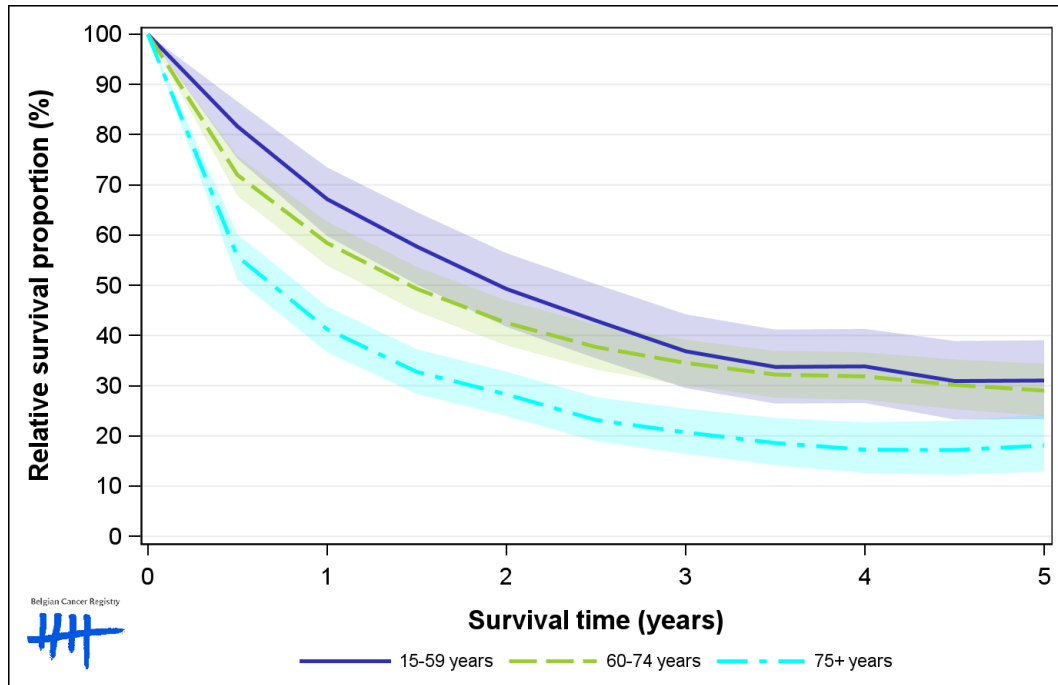


Figure 8: Gallbladder and Biliary Tract Cancers: relative survival proportion by age group in females, Belgium 2017-2021

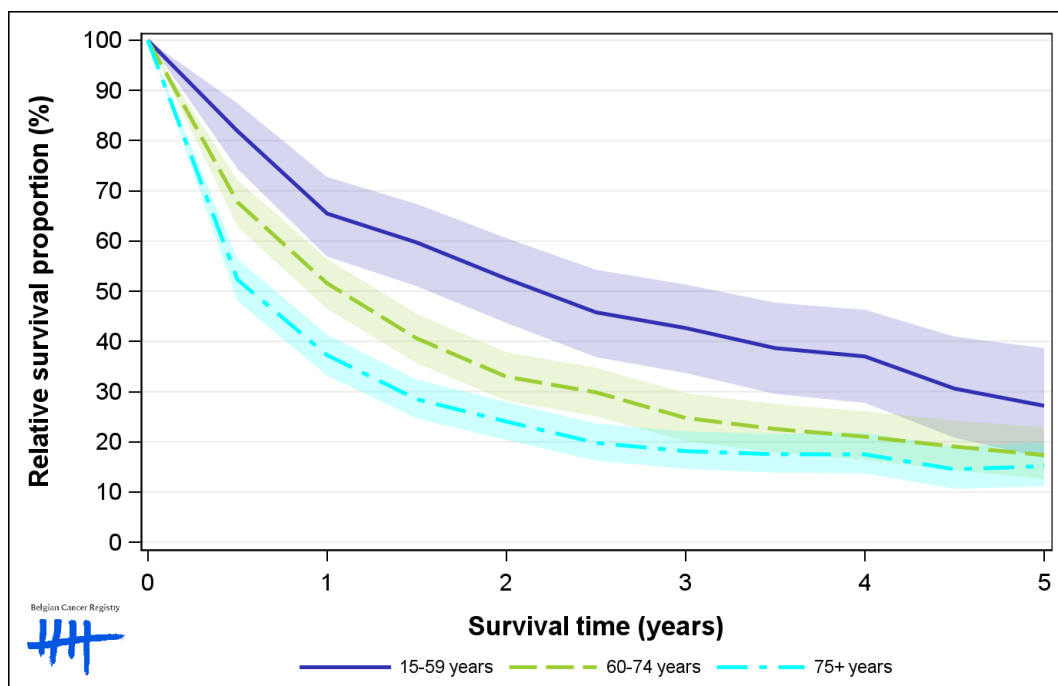


Figure 9: Gallbladder and Biliary Tract Cancers: relative survival proportion by region in males, Belgium 2017-2021

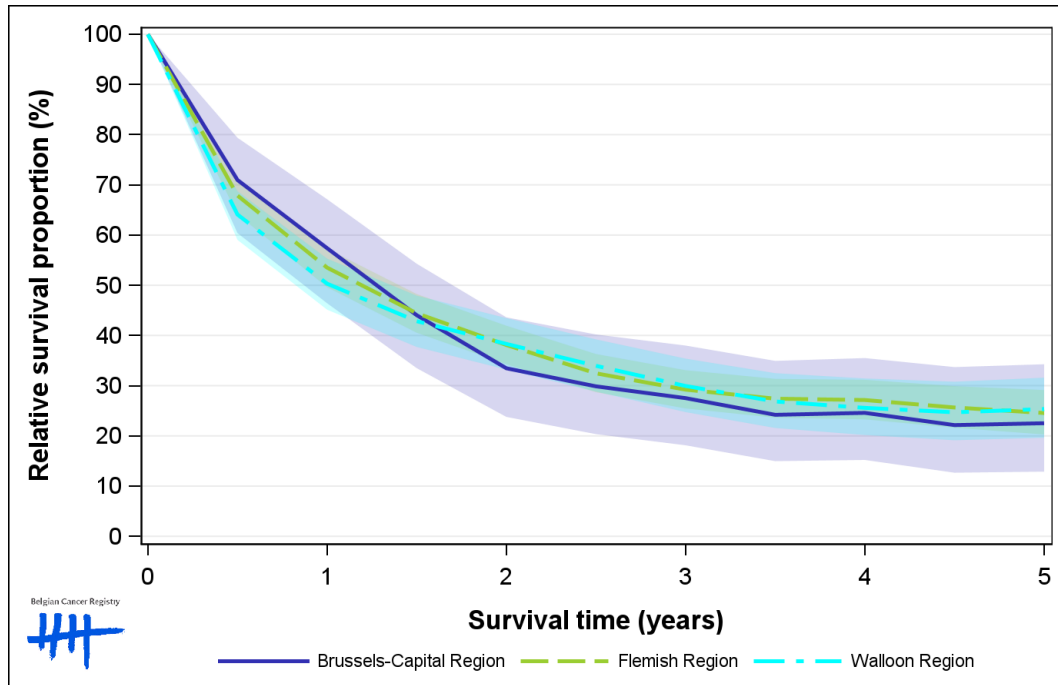


Figure 10: Gallbladder and Biliary Tract Cancers: relative survival proportion by region in females, Belgium 2017-2021

