

Belgian Cancer Registry



Cancer Fact Sheet

ICD10 : C23-24

Gallbladder & biliary tract Cancer

Belgium 2019

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, 2019

Males	Age (years)	N	CR	ESR	WSR	CRi
Belgium	72.0	270	4.8	3.2	2.1	0.25
Brussels-Capital Region	70.5	23	3.9	4.0	2.6	0.32
Flemish Region	72.2	166	5.1	3.2	2.1	0.24
Walloon Region	72.0	81	4.6	3.2	2.1	0.27

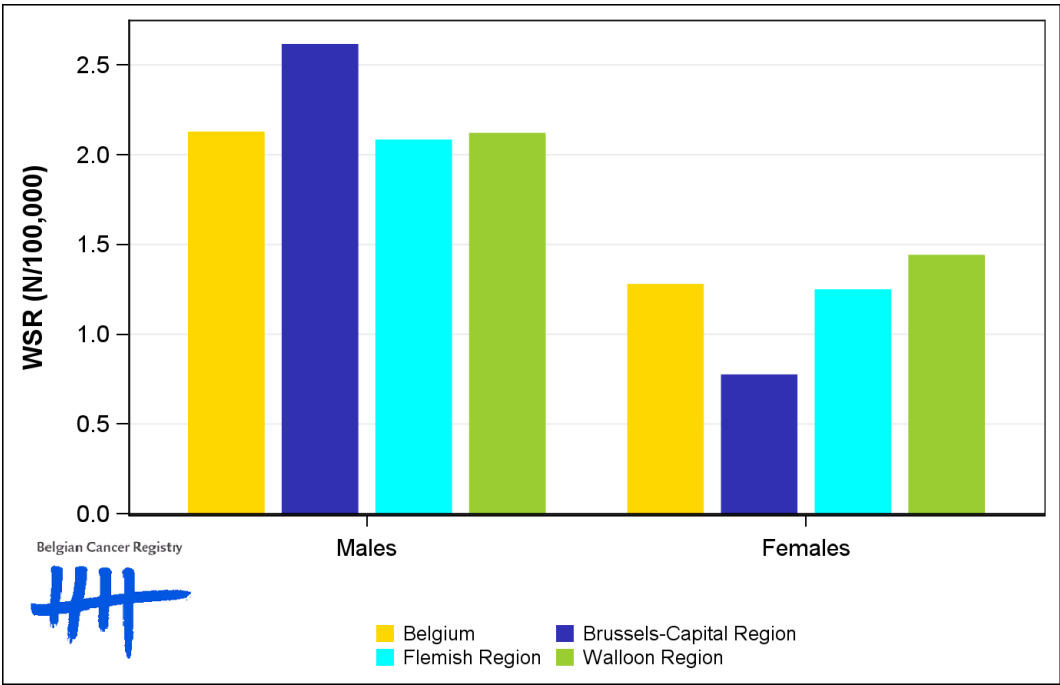
Females	Age (years)	N	CR	ESR	WSR	CRi
Belgium	73.1	194	3.3	1.9	1.3	0.15
Brussels-Capital Region	72.6	10	1.6	1.2	0.8	<0.1
Flemish Region	74.4	121	3.6	1.9	1.2	0.14
Walloon Region	70.6	63	3.4	2.1	1.4	0.18

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, 2019



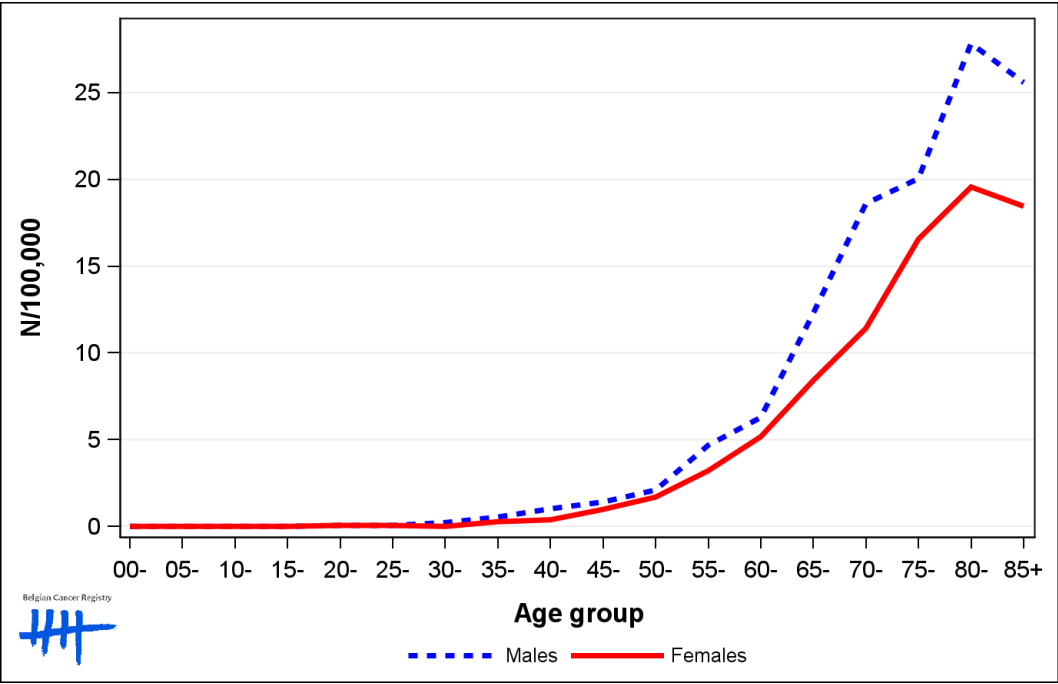
1.2. Age-specific incidence rates

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 2019

	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	0.3	0.3	0.3	0.5	2.0	1.0	4.8	6.6	13.7	21.2	21.8	34.3	32.5	4.8	3.2	2.1
Females	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.8	2.3	2.5	5.3	6.3	11.4	16.5	18.1	13.2	3.3	1.9	1.3

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, 2015-2019



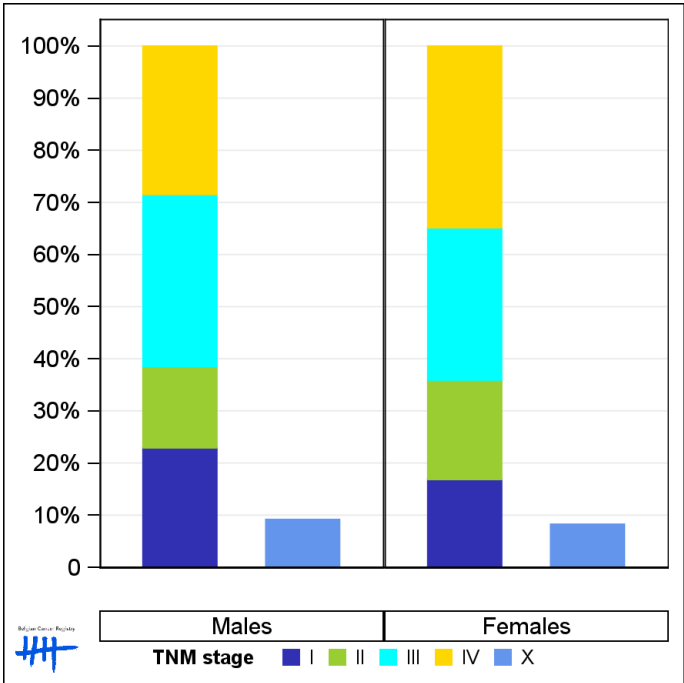
1.3. Combined stage

Table 3: Gallbladder and Biliary Tract Cancers: Distribution of combined stage by sex, Belgium 2019

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
Males							
N	25	17	36	31	11	150	270
%	9.3	6.3	13.3	11.5	4.1	55.6	100
Females							
N	15	17	26	31	8	97	194
%	7.7	8.8	13.4	16.0	4.1	50.0	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 2019



1.4. Trends in incidence

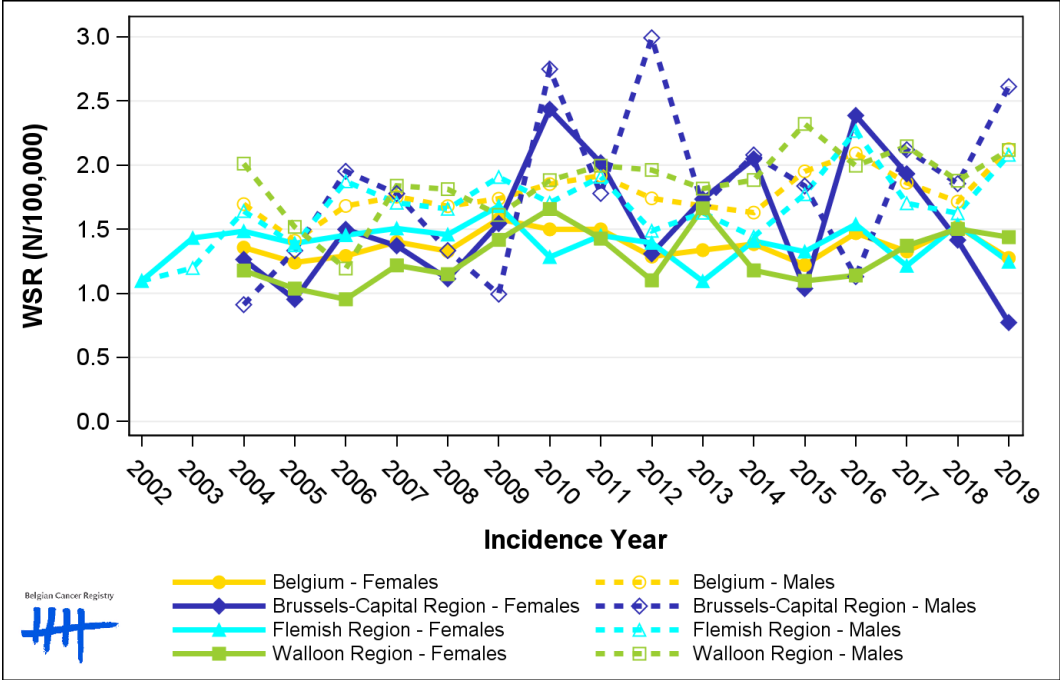
Table 4: Gallbladder and Biliary Tract Cancers: Age-standardised incidence rates (WSR) and average annual percentage change (AAPC) by incidence year, sex and region

Males	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	AAPC	95% CI
Belgium	1.4	1.7	1.8	1.7	1.7	1.9	1.9	1.7	1.7	1.6	2.0	2.1	1.9	1.7	2.1	1.5	[0.4; 2.6]
Brussels-Capital Region	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	2.6	2.1	[-1.9; 6.3]
Flemish Region	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	2.1	0.9	[-0.8; 2.7]
Walloon Region	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	2.1	2.5	[1.0; 4.0]

Females	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	AAPC	95% CI
Belgium	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	1.3	0.1	[-1.0; 1.2]
Brussels-Capital Region	1.0	1.5	1.4	1.1	1.5	2.4	2.0	1.3	1.7	2.0	1.0	2.4	1.9	1.4	0.8	1.5	[-2.6; 5.7]
Flemish Region	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	1.2	-0.7	[-2.1; 0.6]
Walloon Region	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	2.0	[-0.0; 4.0]

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)
AAPC = Average Annual Percentage Change over the 2005-2019 period

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



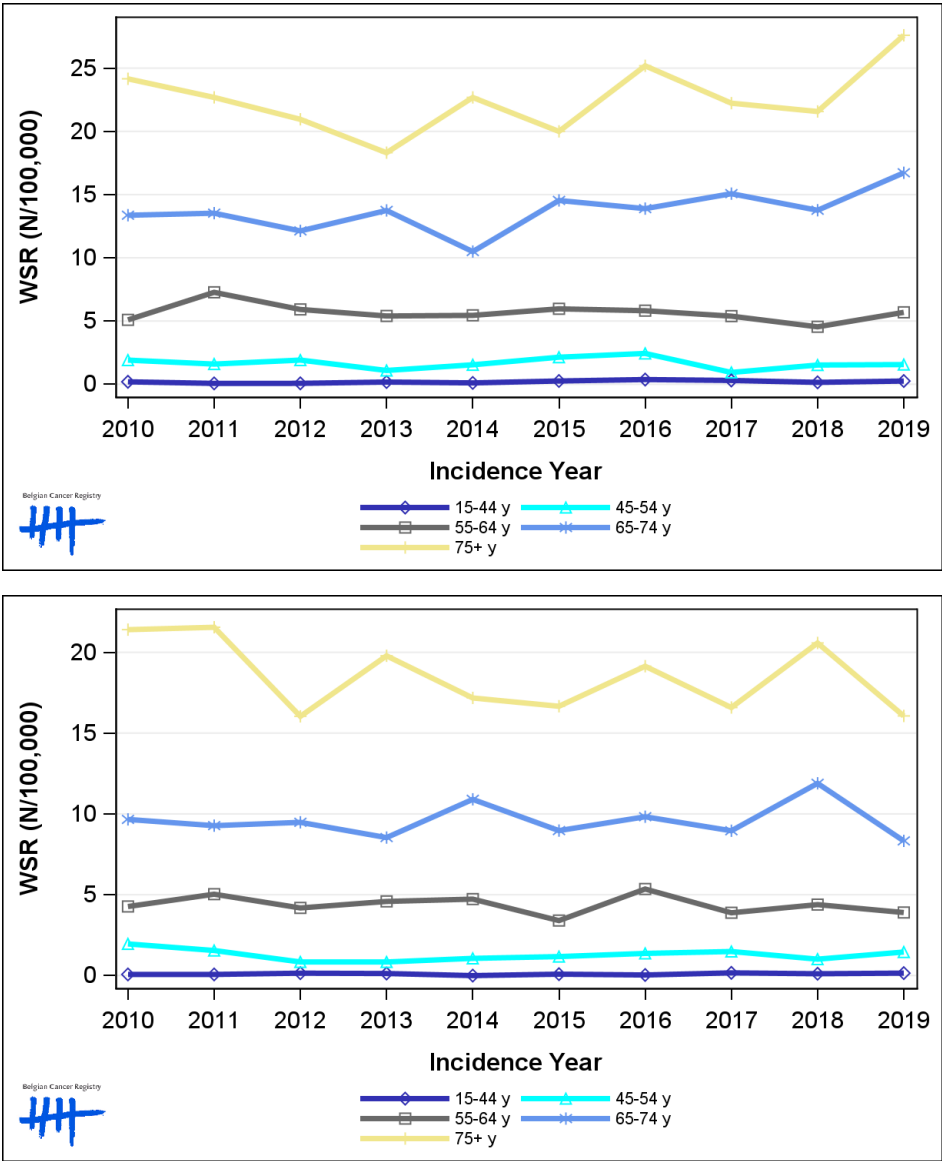
1.5. Incidence by broad age groups

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									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Males																				
All ages	195	204	193	183	193	217	241	224	214	270	1.9	1.9	1.7	1.7	1.6	2.0	2.1	1.9	1.7	2.1
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	5	2	2	5	3	7	10	8	4	6	0.2	<0.1	<0.1	0.2	0.1	0.3	0.4	0.3	0.2	0.3
45-54 y	15	13	16	9	13	18	20	8	13	12	1.9	1.6	1.9	1.1	1.5	2.1	2.4	0.9	1.5	1.6
55-64 y	33	48	39	36	37	41	41	39	33	42	5.1	7.3	5.9	5.4	5.4	6.0	5.8	5.4	4.5	5.7
65-74 y	59	61	56	64	50	71	70	79	75	94	13.4	13.5	12.1	13.7	10.5	14.5	13.9	15.1	13.8	16.7
75+ y	83	80	80	69	90	80	100	90	89	116	24.2	22.7	21.0	18.3	22.7	20.0	25.2	22.2	21.6	27.6
Females																				
All ages	219	227	187	203	211	193	224	200	242	194	1.5	1.5	1.3	1.3	1.4	1.2	1.5	1.3	1.5	1.3
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	2	4	3	0	2	1	4	3	4	<0.1	<0.1	0.1	0.1	0.0	<0.1	<0.1	0.2	0.1	0.2
45-54 y	16	13	7	7	9	10	11	12	8	12	2.0	1.6	0.8	0.8	1.1	1.2	1.4	1.5	1.0	1.5
55-64 y	28	34	29	31	33	24	38	28	33	29	4.3	5.0	4.2	4.6	4.7	3.4	5.4	3.9	4.4	3.9
65-74 y	47	49	49	44	58	48	55	51	71	52	9.7	9.3	9.5	8.5	10.9	9.0	9.8	9.0	11.9	8.3
75+ y	126	129	98	118	111	109	119	105	127	97	21.4	21.5	16.0	19.8	17.2	16.7	19.1	16.6	20.6	16.1

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 2015-2019

	5-year relative survival 2015-2019 (%)					
	Males			Females		
	N at risk	estimate	95% CI	N at risk	estimate	95% CI
Overall	1,160	21.4	[18.1, 24.8]	1,045	17.7	[14.8, 20.8]
Age group						
15-59 years	195	29.1	[21.3, 37.5]	126	29.6	[20.1, 39.7]
60-74 years	491	25.7	[20.8, 31.1]	363	21.0	[16.2, 26.2]
75+ years	474	12.8	[8.4, 18.5]	556	12.6	[8.8, 17.2]
Region						
Brussels-Capital Region	79	21.9	[12.4, 33.6]	88	18.2	[10.2, 28.4]
Flemish Region	707	22.5	[18.4, 27.0]	631	17.9	[14.2, 22.0]
Walloon Region	374	19.3	[13.7, 25.7]	326	16.9	[11.9, 22.8]

Figure 6: Gallbladder and Biliary Tract Cancers: relative survival proportion by sex, Belgium 2015-2019

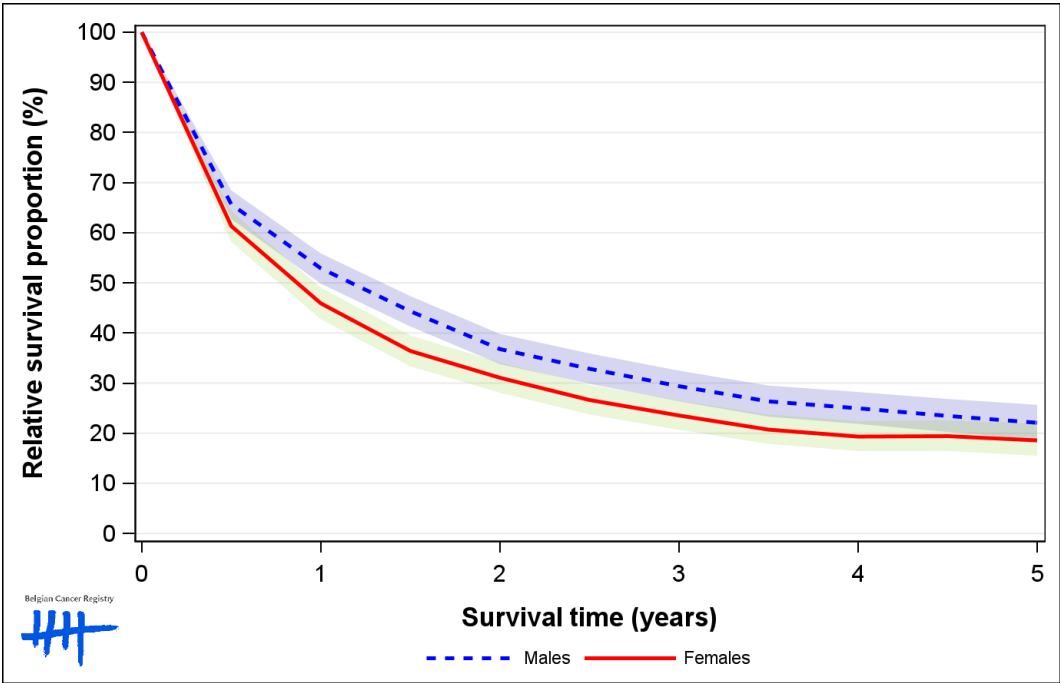


Figure 7: Gallbladder and Biliary Tract Cancers: relative survival proportion by age group in males, Belgium 2015-2019

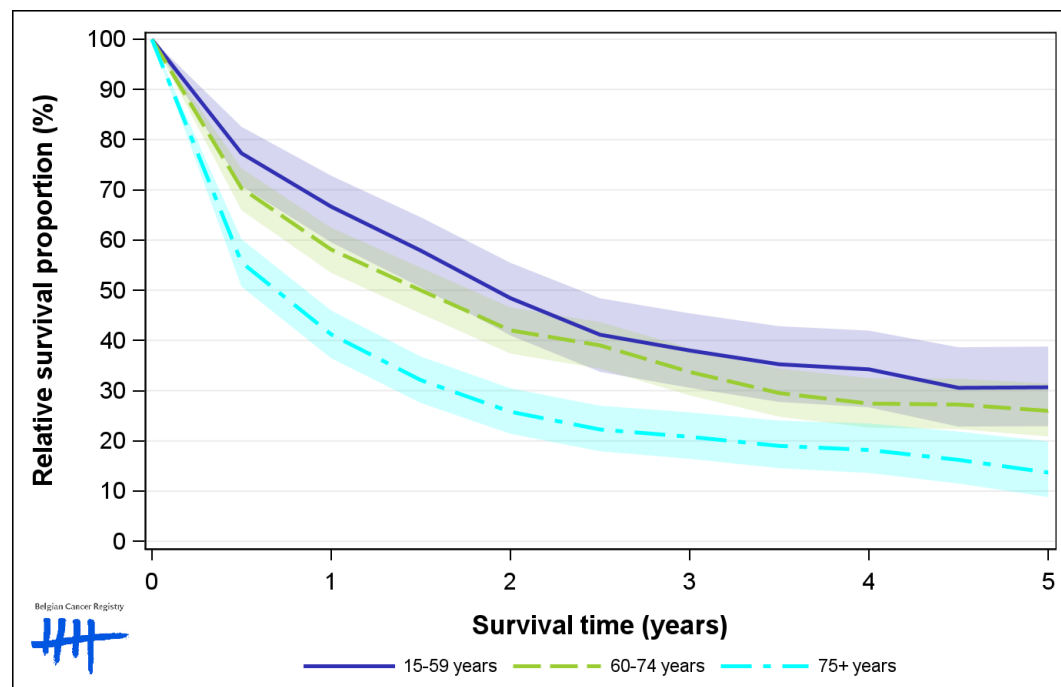


Figure 8: Gallbladder and Biliary Tract Cancers: relative survival proportion by age group in females, Belgium 2015-2019

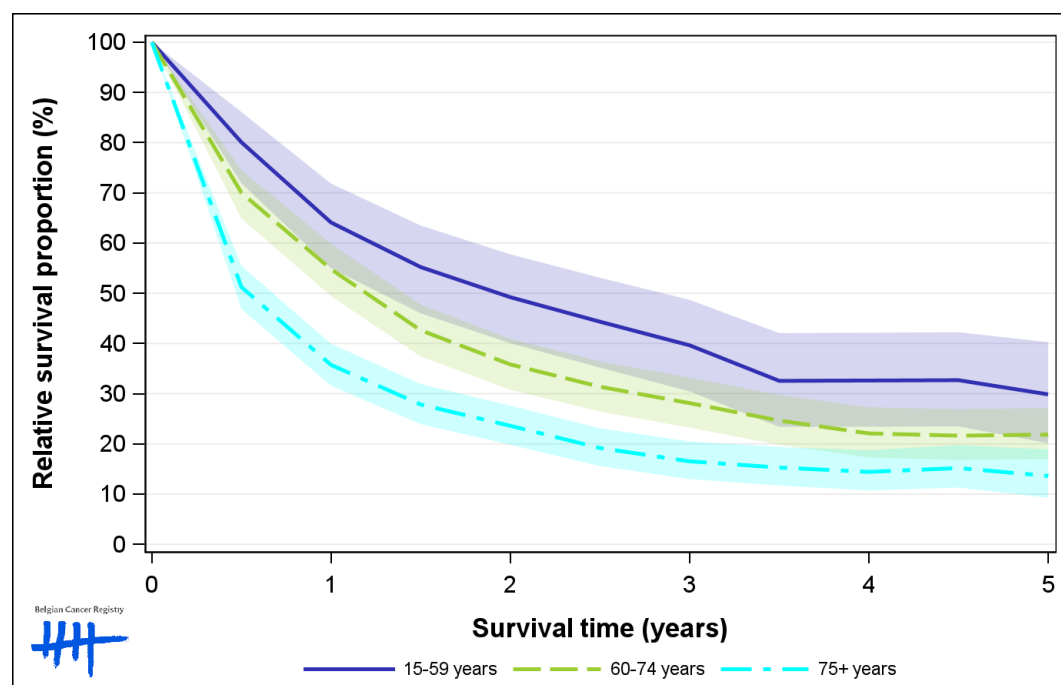


Figure 9: Gallbladder and Biliary Tract Cancers: relative survival proportion by region in males, Belgium 2015-2019

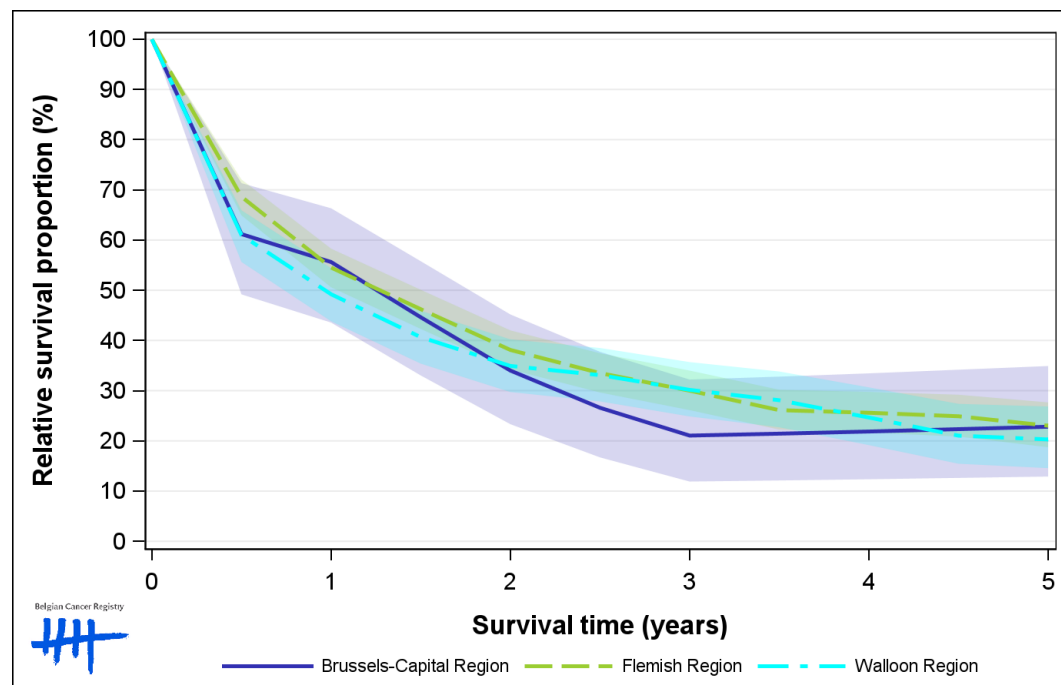


Figure 10: Gallbladder and Biliary Tract Cancers: relative survival proportion by region in females, Belgium 2015-2019

