

Belgian Cancer Registry



Cancer Fact Sheet

ICD10 : C23-24

Gallbladder & biliary tract Cancer

Belgium 2016

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, 2016

Males	Age (years)	N	CR	ESR	WSR	CRi
Belgium	70.2	239	4.3	3.1	2.1	0.24
Brussels-Capital Region	78.2	12	2.1	1.9	1.1	<0.1
Flemish Region	70.7	163	5.1	3.4	2.2	0.25
Walloon Region	67.3	64	3.6	2.9	2.0	0.26

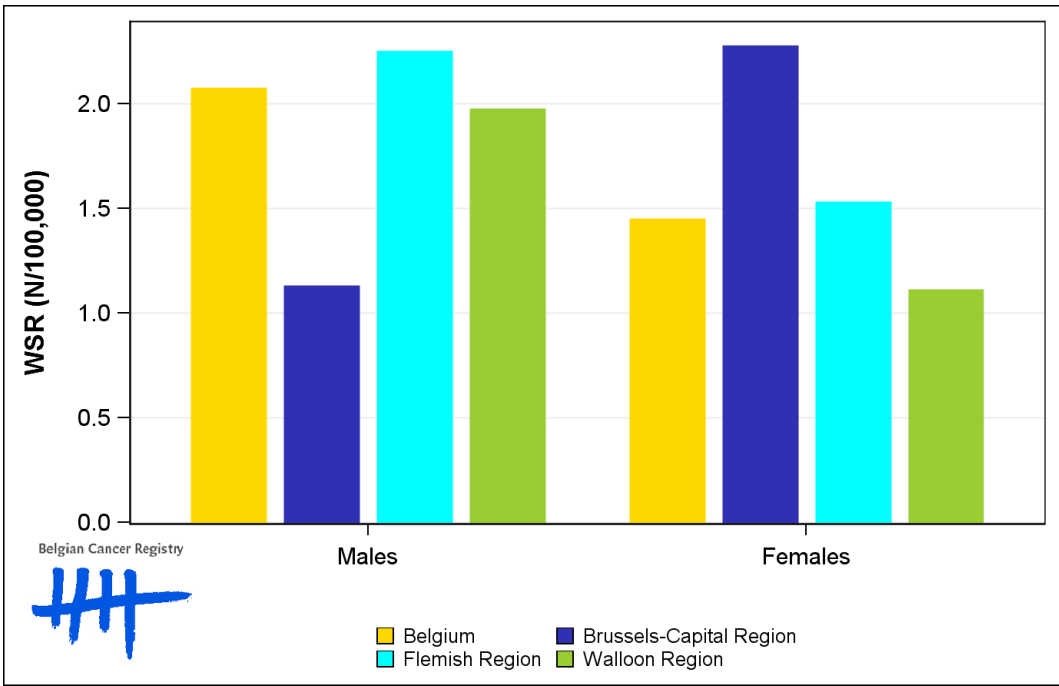
Females	Age (years)	N	CR	ESR	WSR	CRi
Belgium	73.9	222	3.9	2.2	1.4	0.17
Brussels-Capital Region	73.2	28	4.6	3.5	2.3	0.26
Flemish Region	73.1	135	4.1	2.3	1.5	0.18
Walloon Region	76.1	59	3.2	1.7	1.1	0.14

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 (%)

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Figure 1: Gallbladder and Biliary Tract Cancers: Age-standardised incidence rates by sex and region, 2016



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Belgium Brussels-Capital Region
Flemish Region Walloon Region

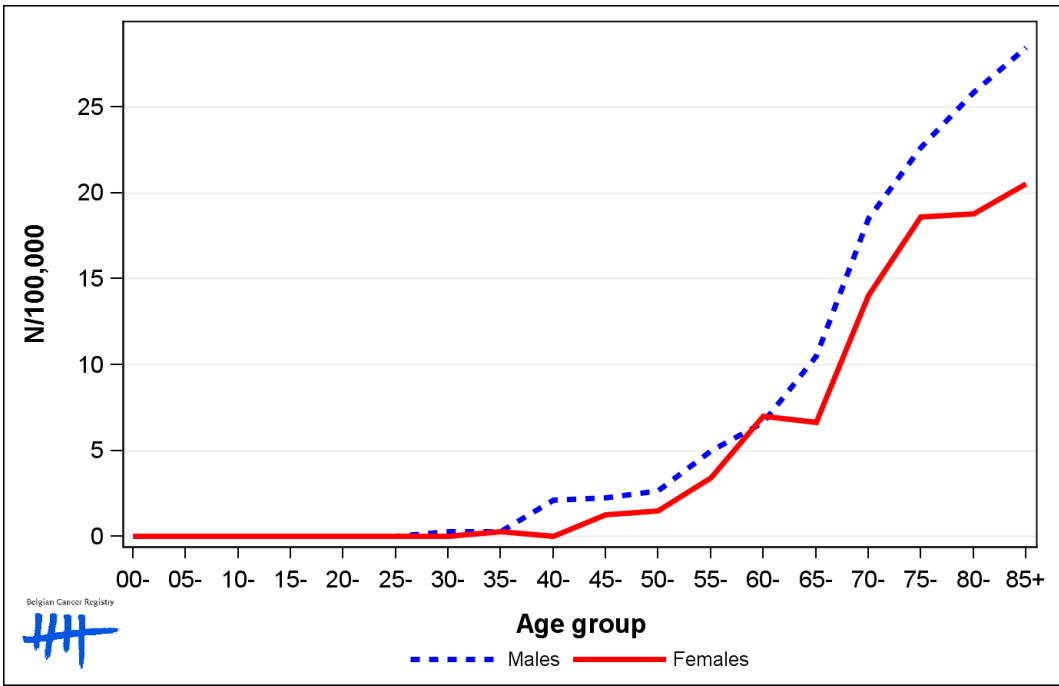
1.2. Age-specific incidence rates

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 2016

	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	0.3	0.3	2.1	2.2	2.7	5.0	6.6	10.5	18.5	22.6	25.9	28.5	4.3	3.1	2.1
Females	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	1.3	1.5	3.4	7.0	6.7	14.1	18.6	18.8	20.5	3.9	2.2	1.4

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, 2016



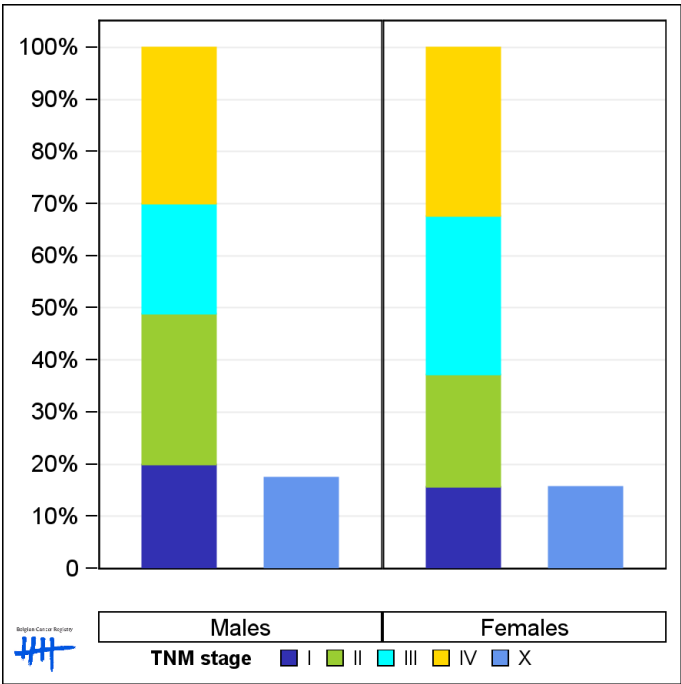
1.3. Combined stage

Table 3: Gallbladder and Biliary Tract Cancers: Distribution of combined stage by sex, Belgium 2016

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
Males							
N	18	26	19	27	19	130	239
%	7.5	10.9	7.9	11.3	7.9	54.4	100
Females							
N	16	22	31	33	19	101	222
%	7.2	9.9	14.0	14.9	8.6	45.5	100

Staging according to the TNM 7th edition (Ref:Sobin LH, Gospodarowicz MK, Wittekind Ch. TNM classification of malignant tumours, UICC 7th 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 2016



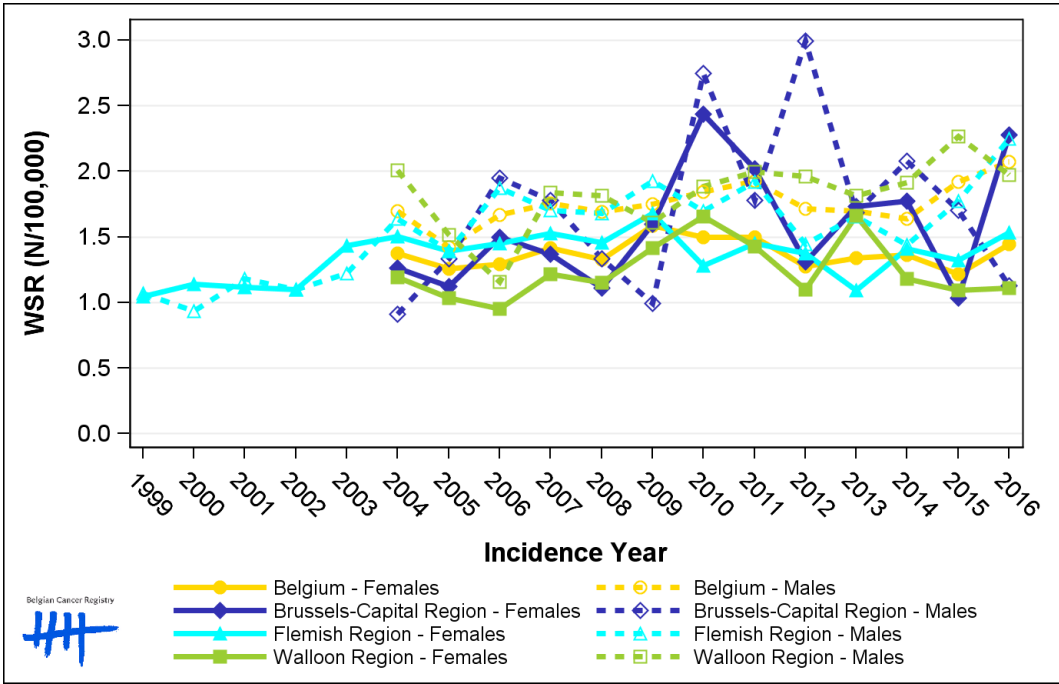
1.4. Trends in incidence

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	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	AAPC	95% CI
Belgium			1.7	1.4	1.7	1.8	1.7	1.8	1.8	1.9	1.7	1.7	1.6	1.9	2.1	1.5	[0.2; 2.7]
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	1.7	1.1	2.7	[-3.1; 8.8]
Flemish Region	1.1	1.2	1.6	1.4	1.9	1.7	1.7	1.9	1.7	1.9	1.4	1.7	1.4	1.8	2.2	3.2	[1.3; 5.1]
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	2.4	[-0.0; 4.8]
Females	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	AAPC	95% CI
Belgium			1.4	1.3	1.3	1.4	1.3	1.6	1.5	1.5	1.3	1.3	1.4	1.2	1.4	0.2	[-1.0; 1.4]
Brussels-Capital Region			1.3	1.1	1.5	1.4	1.1	1.6	2.4	2.0	1.3	1.7	1.8	1.0	2.3	2.8	[-1.5; 7.3]
Flemish Region	1.1	1.4	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	]0;0.1[	[-1.5; 1.6]
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	0.9	[-1.5; 3.3]

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)
AAPC = Average Annual Percentage Change over the 2004-2016 period (except for the Flemish region : 2002-2016).

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



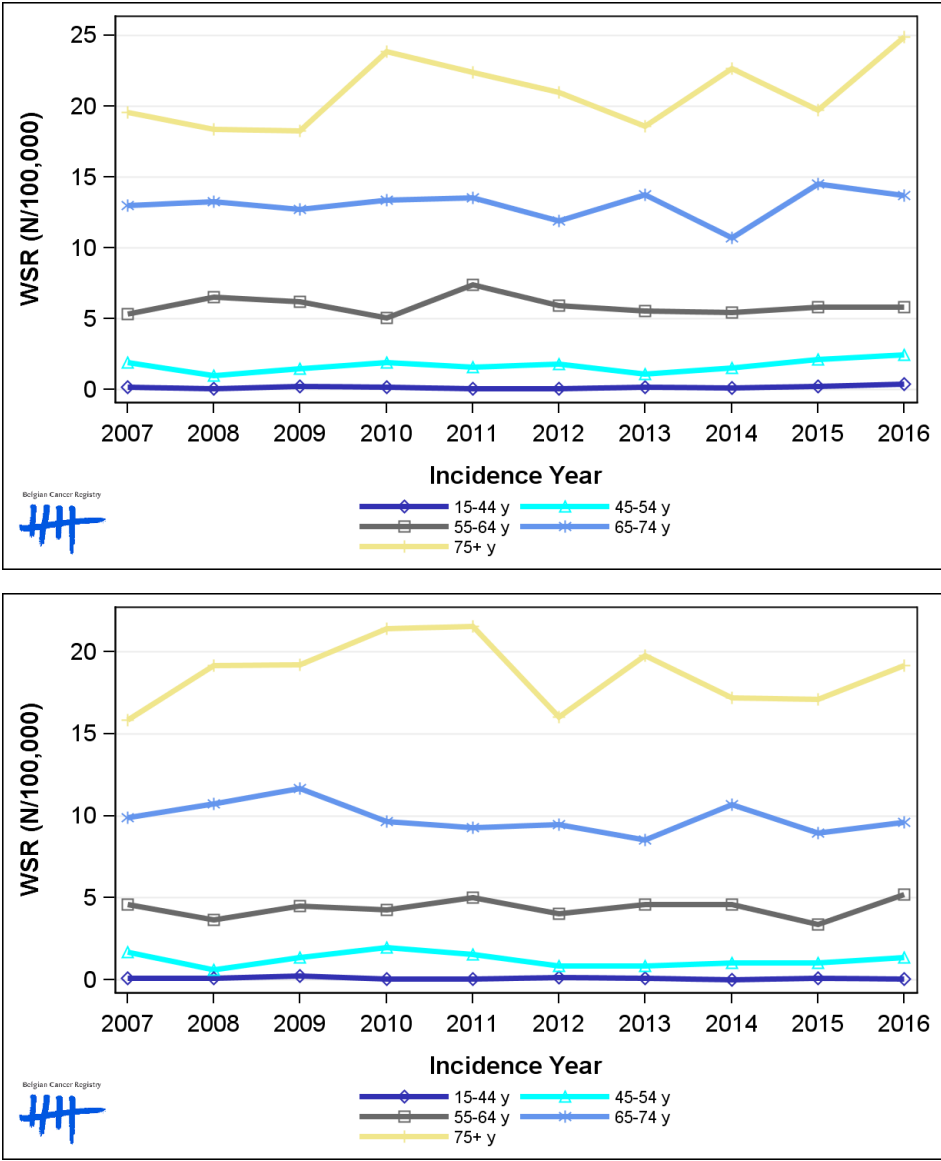
1.5. Incidence by broad age groups

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									
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Males																				
All ages	171	166	176	194	204	191	185	194	214	239	1.8	1.7	1.8	1.8	1.9	1.7	1.7	1.6	1.9	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	6	5	2	2	5	3	6	10	0.2	<0.1	0.2	0.2	<0.1	<0.1	0.2	0.1	0.2	0.4
45-54 y	15	8	12	15	13	15	9	13	18	20	1.9	1.0	1.5	1.9	1.6	1.8	1.1	1.5	2.1	2.4
55-64 y	31	40	39	33	49	39	37	37	40	41	5.3	6.5	6.2	5.1	7.4	5.9	5.5	5.4	5.8	5.8
65-74 y	59	55	54	59	61	55	64	51	71	69	13.0	13.3	12.7	13.4	13.5	11.9	13.7	10.7	14.5	13.7
75+ y	61	61	65	82	79	80	70	90	79	99	19.6	18.4	18.3	23.9	22.4	21.0	18.6	22.7	19.7	24.9
Females																				
All ages	188	193	216	219	227	186	203	209	194	222	1.4	1.3	1.6	1.5	1.5	1.3	1.3	1.4	1.2	1.4
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	3	3	6	2	2	4	3	0	2	1	0.1	0.1	0.2	<0.1	<0.1	0.1	0.1	0.0	<0.1	<0.1
45-54 y	13	5	11	16	13	7	7	9	9	11	1.7	0.6	1.4	2.0	1.6	0.8	0.8	1.1	1.1	1.4
55-64 y	28	23	29	28	34	28	31	32	24	37	4.6	3.7	4.5	4.3	5.0	4.0	4.6	4.6	3.4	5.2
65-74 y	53	55	58	47	49	49	44	57	48	54	9.9	10.7	11.7	9.7	9.3	9.5	8.5	10.7	9.0	9.6
75+ y	91	107	112	126	129	98	118	111	111	119	15.9	19.2	19.2	21.4	21.5	16.0	19.8	17.2	17.1	19.1

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 2012-2016

5-year relative survival 2012-2016 (%)						
	Males			Females		
	N at risk	estimate	95% CI	N at risk	estimate	95% CI
Overall	1,017	23.4	[19.9, 27.3]	1,005	19.7	[16.7, 23.0]
Age group						
15-59 years	173	24.7	[16.4, 34.0]	112	33.4	[23.9, 43.4]
60-74 years	428	24.0	[19.0, 29.5]	339	22.4	[17.2, 28.2]
75+ years	416	22.8	[16.8, 29.8]	554	15.0	[11.2, 19.6]
Region						
Brussels-Capital Region	81	19.2	[9.5, 32.2]	95	24.4	[14.9, 35.8]
Flemish Region	604	24.2	[19.5, 29.4]	605	19.2	[15.4, 23.6]
Walloon Region	332	23.5	[17.7, 30.0]	305	19.1	[13.9, 25.1]

Figure 6: Gallbladder and Biliary Tract Cancers: relative survival proportion by sex, Belgium 2012-2016

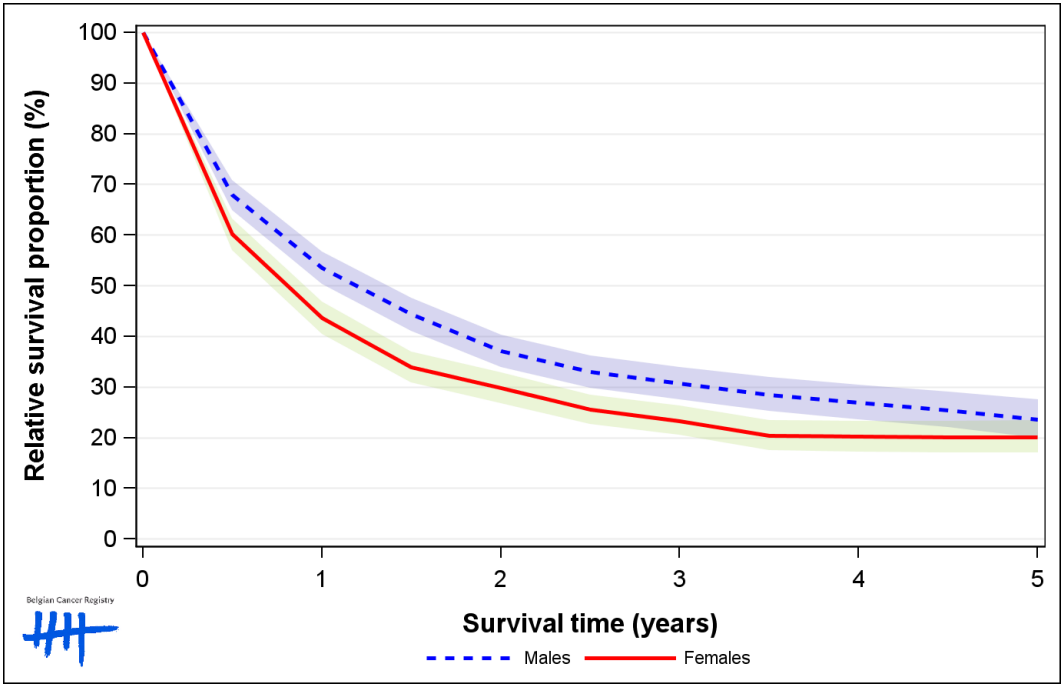


Figure 7: Gallbladder and Biliary Tract Cancers: relative survival proportion by age group in males, Belgium 2012-2016

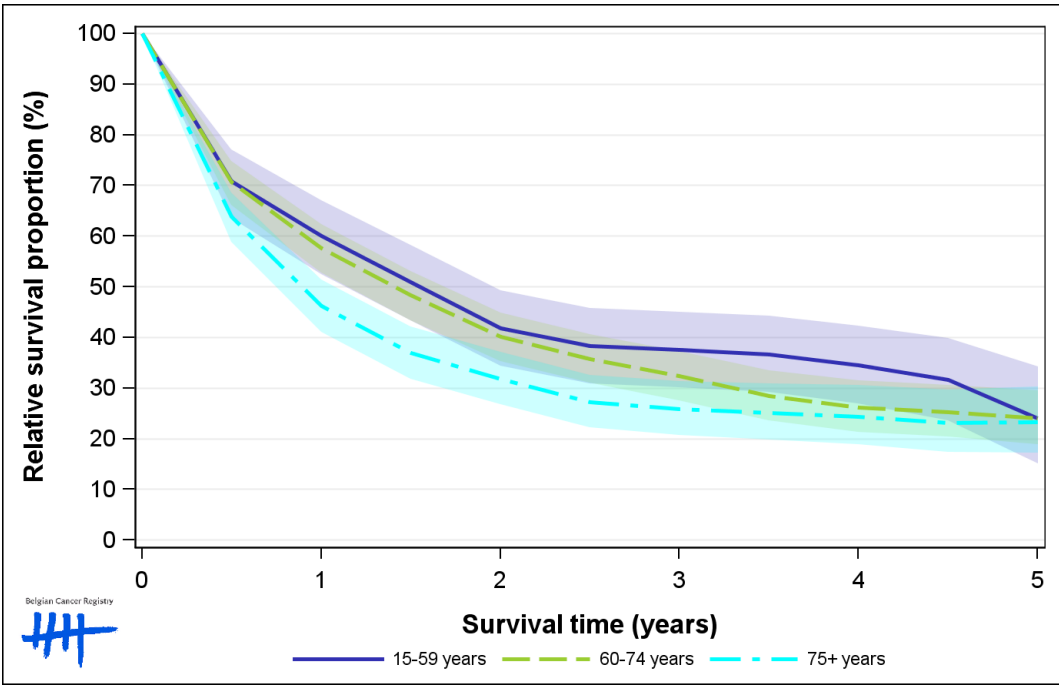


Figure 8: Gallbladder and Biliary Tract Cancers: relative survival proportion by age group in females, Belgium 2012-2016

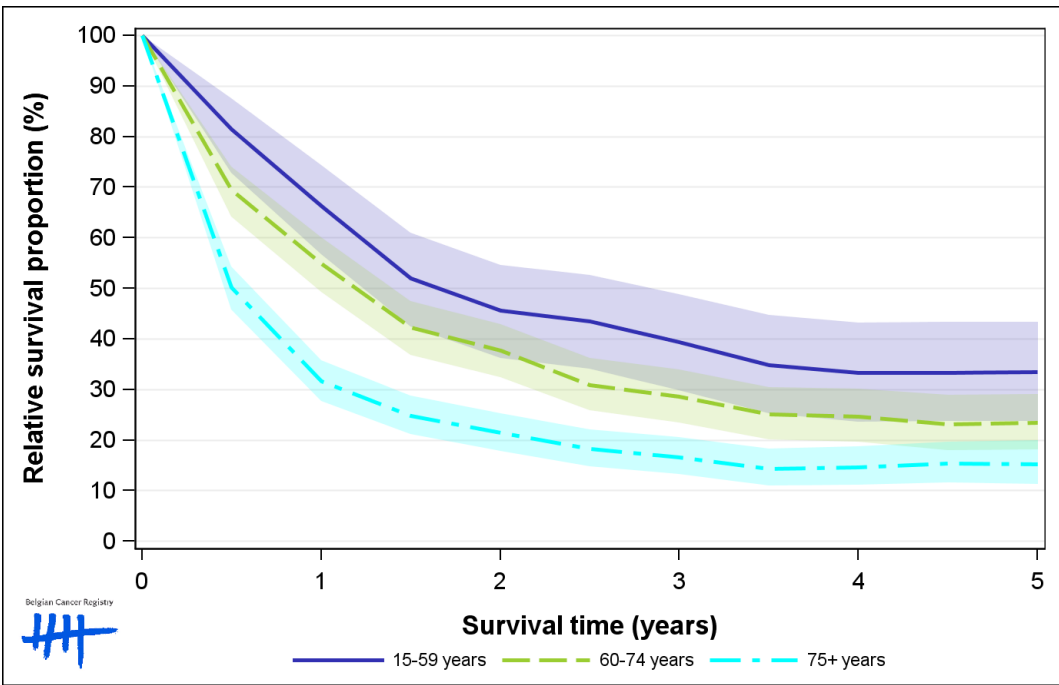


Figure 9: Gallbladder and Biliary Tract Cancers: relative survival proportion by region in males, Belgium 2012-2016

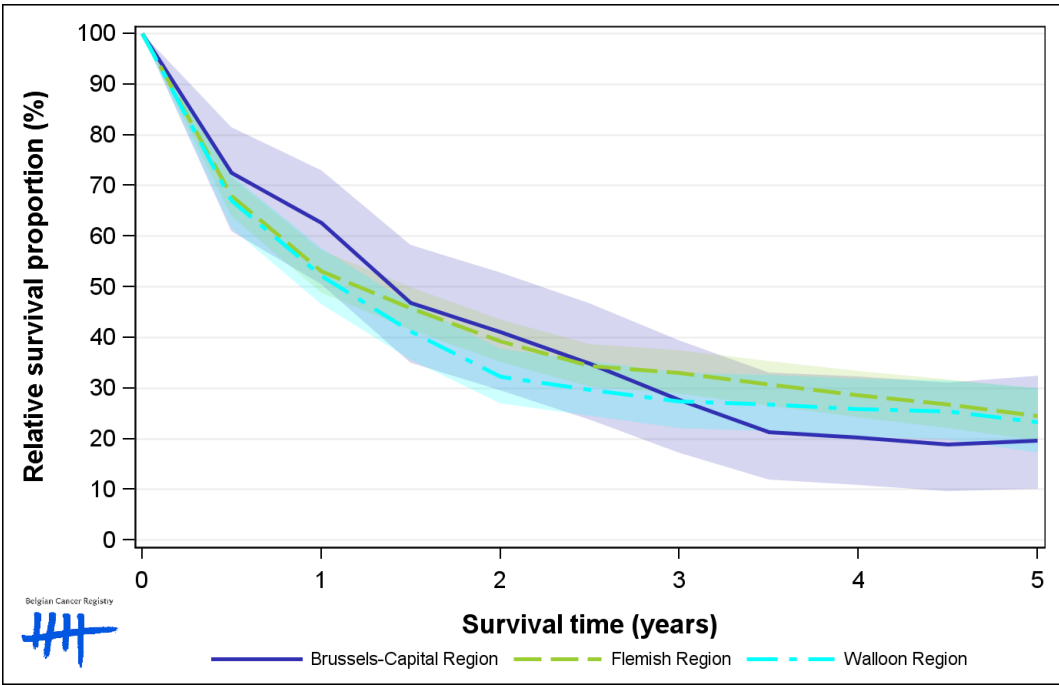


Figure 10: Gallbladder and Biliary Tract Cancers: relative survival proportion by region in females, Belgium 2012-2016

